

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	13:51:10

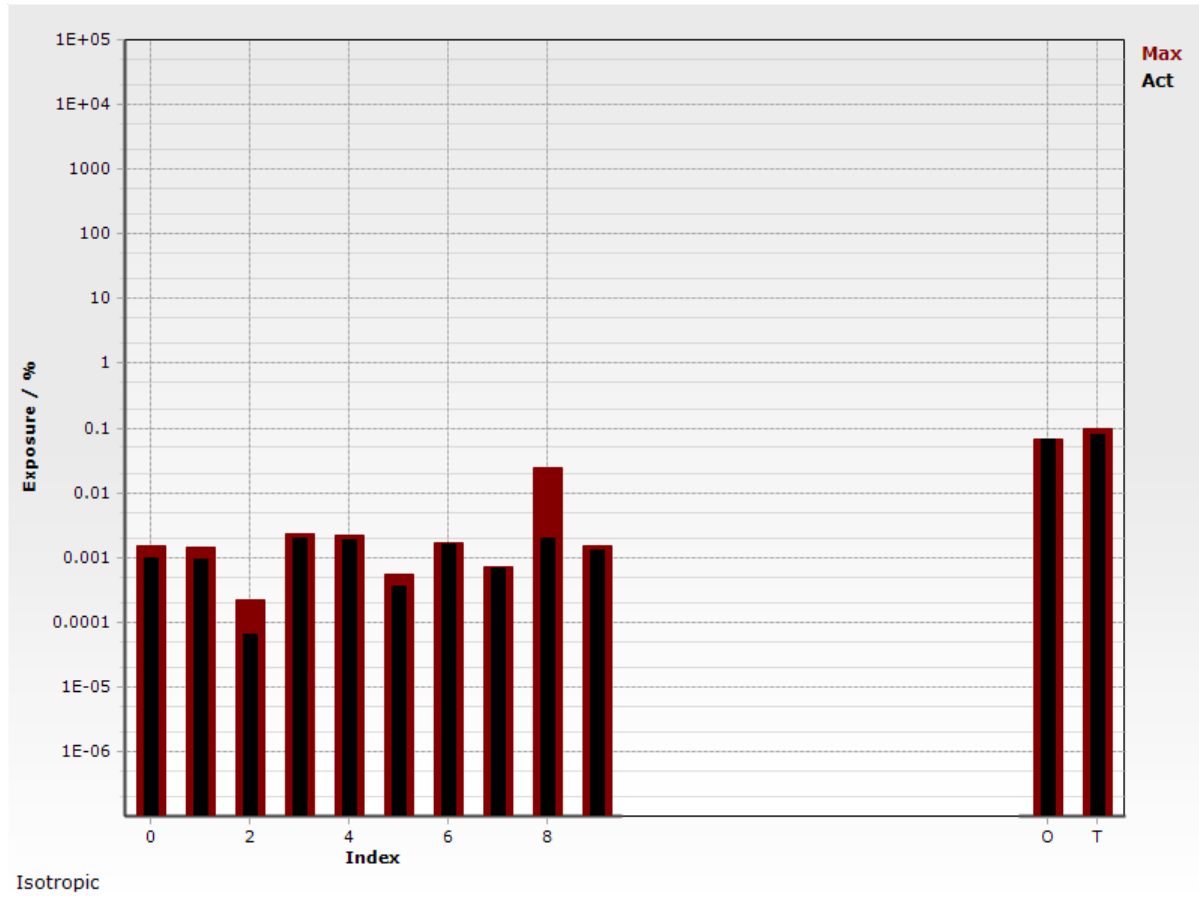
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 01 %	0.001 53 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 93 %	0.001 43 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 07 %	0.000 22 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 %	0.002 36 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 92 %	0.002 2 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 35 %	0.000 54 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 61 %	0.001 7 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 69 %	0.000 72 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.001 93 %	0.024 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 28 %	0.001 52 %
	Others			0.065 %	0.067 %
	Total			0.077 %	0.099 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 894 ms No. of Runs: 254
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'19.2" N GPS Longitude71°2'40.4" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	13:51:10
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	894 ms
No. of Runs	254
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	8
GPS Fix	3D
GPS Altitude	32
GPS Latitude	41°38'19.2" N
GPS Longitude	71°2'40.4" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	13:51:32

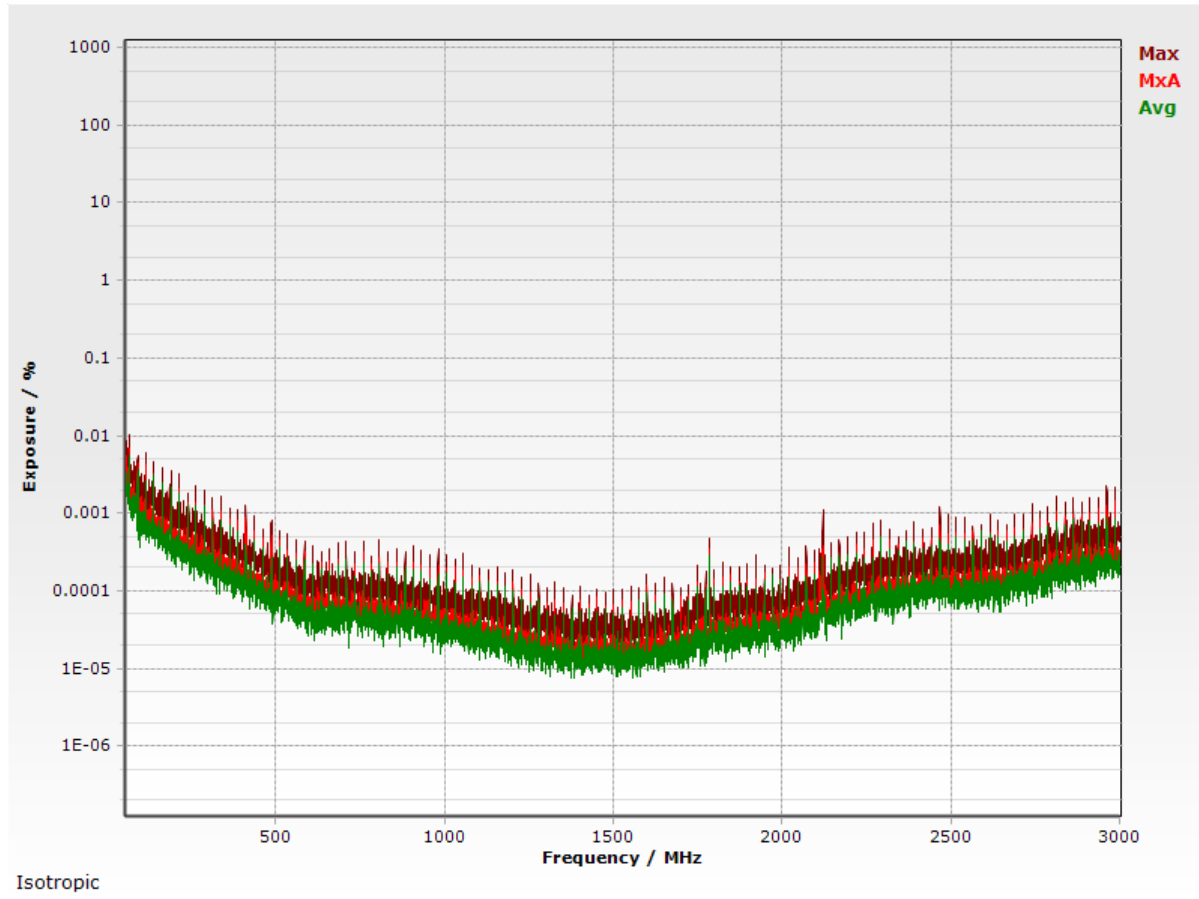
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	Max	MxA	Avg
1	65.979 902 MHz	0.01 %	0.006 79 %	0.005 45 %
2	59.902 893 MHz	0.008 67 %	0.005 36 %	0.003 37 %
3	61.621 740 MHz	0.007 12 %	0.003 58 %	0.001 85 %
4	55.285 304 MHz	0.006 68 %	0.003 76 %	0.002 87 %
5	56.749 710 MHz	0.006 58 %	0.003 56 %	0.002 83 %
6	60.845 518 MHz	0.006 57 %	0.002 98 %	0.002 1 %
7	56.255 769 MHz	0.006 22 %	0.003 23 %	0.001 79 %
8	55.702 008 MHz	0.006 12 %	0.003 78 %	0.003 89 %
9	115.988 562 MHz	0.006 02 %	0.004 12 %	0.002 61 %
10	64.507 951 MHz	0.005 85 %	0.002 47 %	0.001 71 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	27
Meas. Range:	125 %	Sweep Time:	606 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'19.2" N GPS Longitude 71°2'40.4" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	13:51:32
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	Max, MxA, Avg
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	606 ms
No. of Runs	27
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	8
GPS Fix	3D
GPS Altitude	34
GPS Latitude	41°38'19.2" N
GPS Longitude	71°2'40.4" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	13:52:02

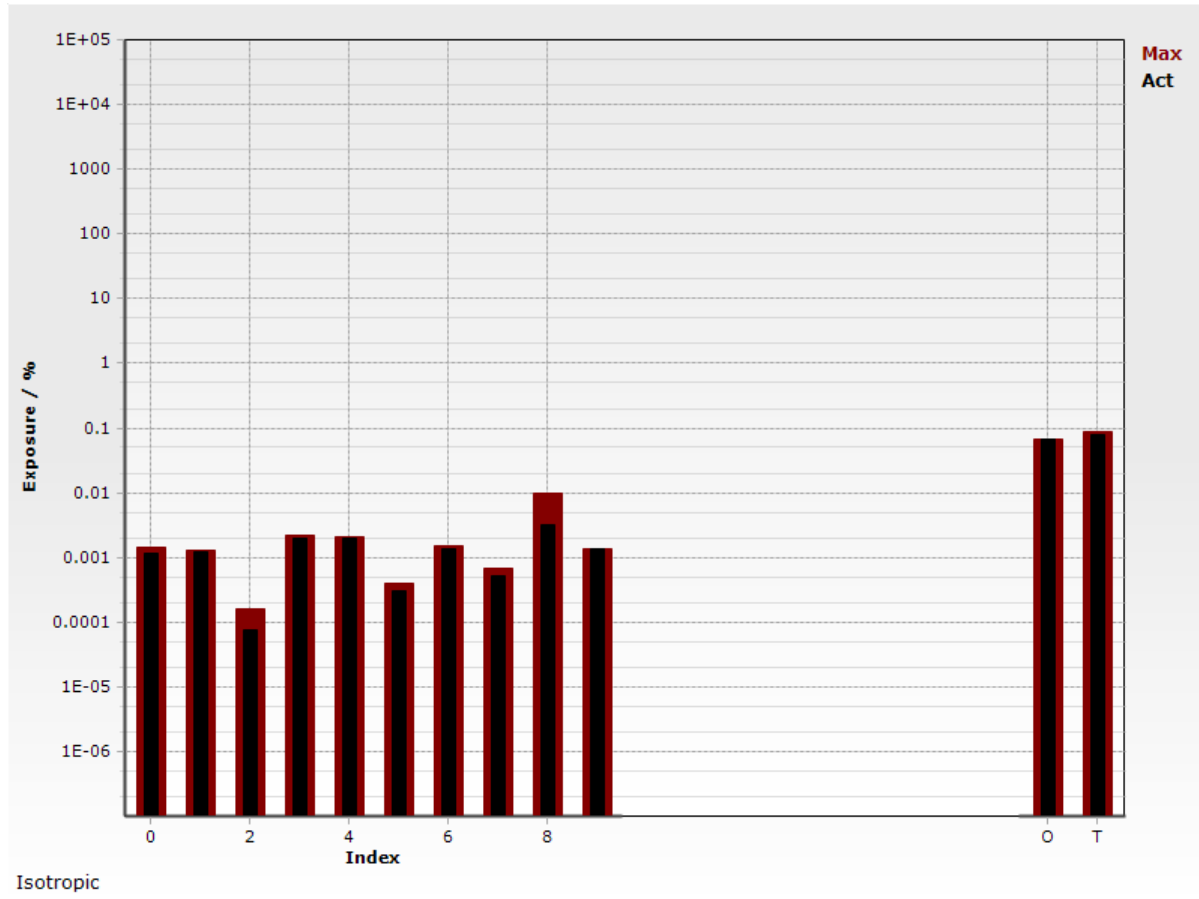
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 16 %	0.001 41 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 19 %	0.001 31 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 07 %	0.000 16 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 92 %	0.002 19 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 95 %	0.002 05 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 31 %	0.000 39 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 35 %	0.001 54 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 52 %	0.000 67 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.003 18 %	0.009 58 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 36 %	0.001 36 %
	Others			0.065 %	0.067 %
	Total			0.078 %	0.085 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 912 ms No. of Runs: 16
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'19.3" N GPS Longitude 71°2'40.1" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	13:52:02
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	912 ms
No. of Runs	16
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	30
GPS Latitude	41°38'19.3" N
GPS Longitude	71°2'40.1" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	13:52:25

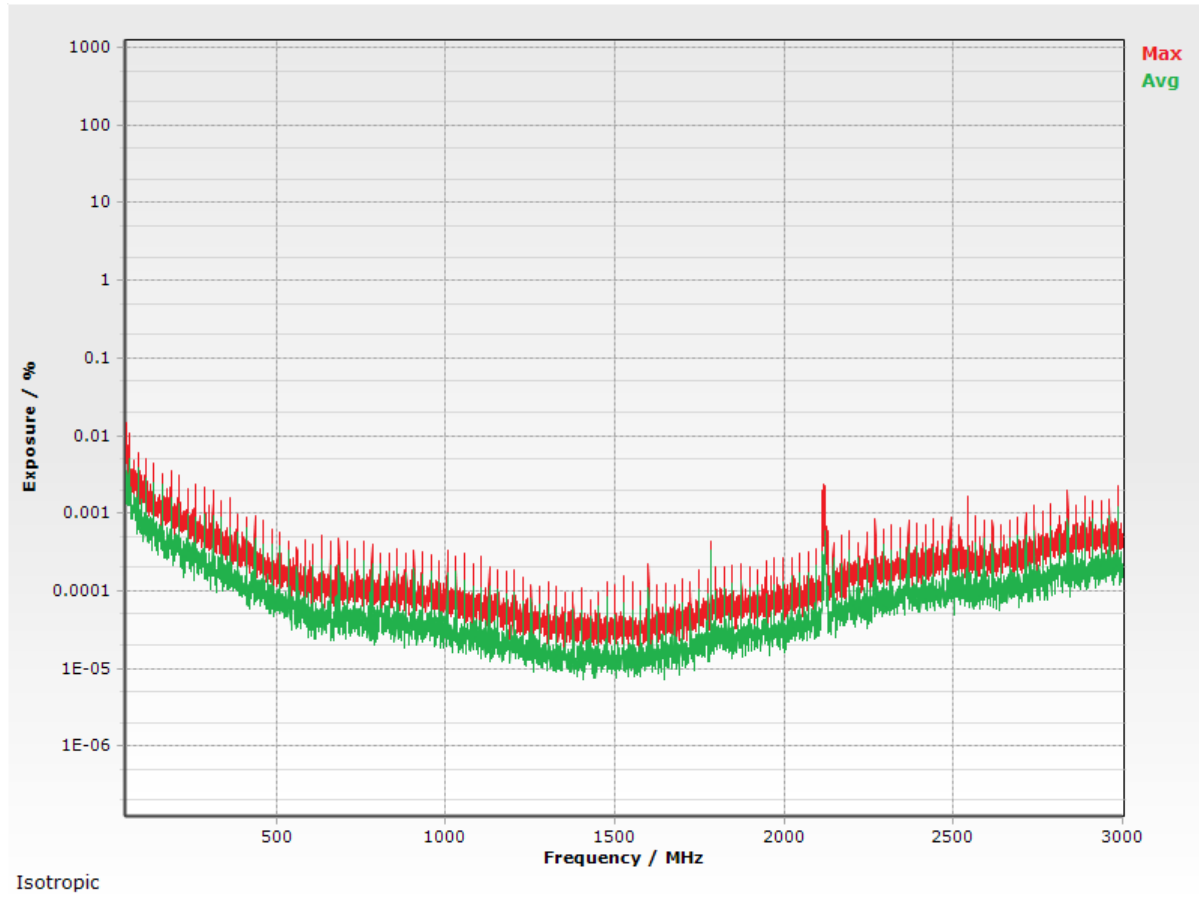
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	Max	Avg
1	59.922 288 MHz	0.015 %	0.003 38 %
2	65.994 639 MHz	0.011 %	0.005 08 %
3	54.779 666 MHz	0.009 05 %	0.003 13 %
4	59.177 189 MHz	0.008 74 %	0.001 49 %
5	54.359 283 MHz	0.008 37 %	0.004 23 %
6	58.145 862 MHz	0.008 3 %	0.002 81 %
7	64.298 518 MHz	0.007 64 %	0.001 32 %
8	60.756 424 MHz	0.007 22 %	0.003 09 %
9	57.085 133 MHz	0.007 1 %	0.002 65 %
10	91.994 189 MHz	0.006 07 %	0.003 87 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	26
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'19.2" N GPS Longitude71°2'40.1" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	13:52:25
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	Max, MxA, Avg
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	26
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	31
GPS Latitude	41°38'19.2" N
GPS Longitude	71°2'40.1" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	13:54:33

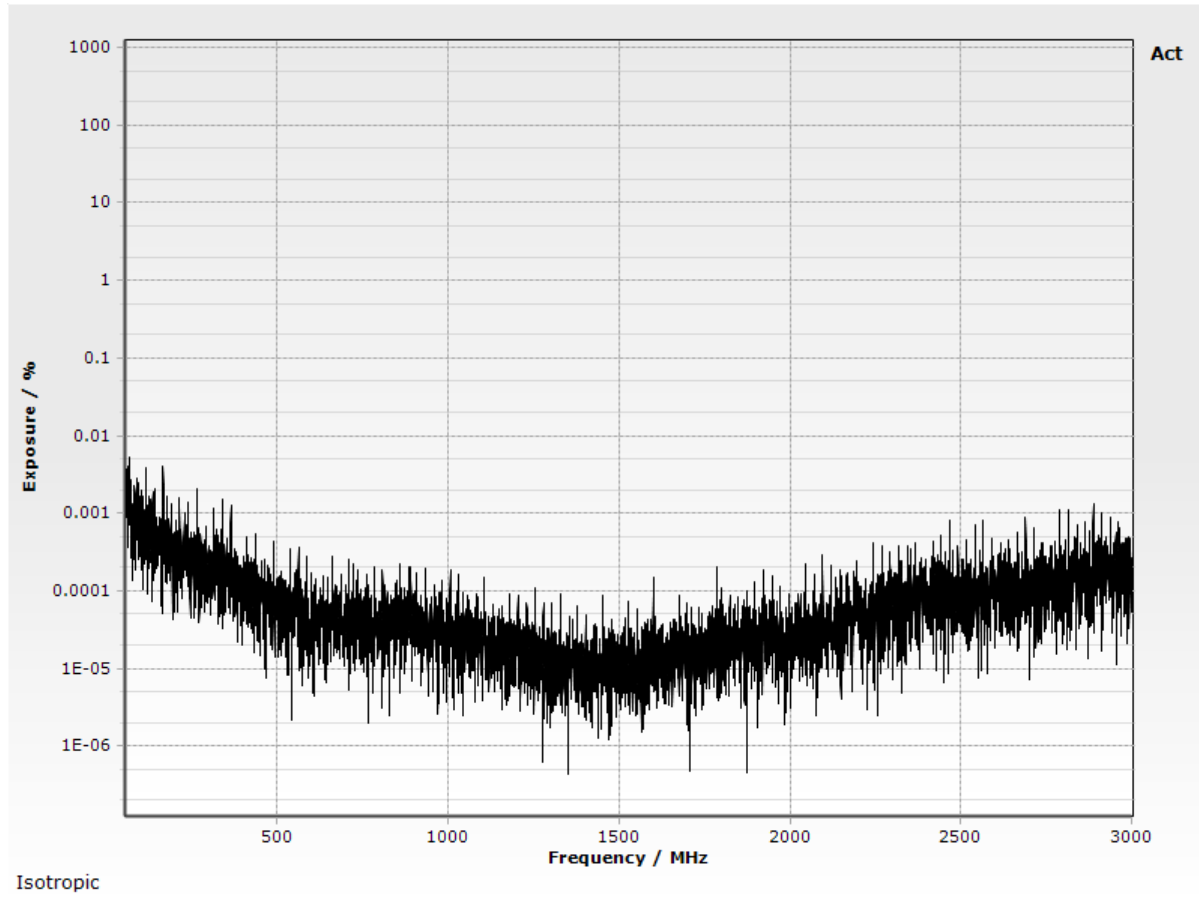
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	Act
1	66.103 093 MHz	0.005 56 %
2	165.984 140 MHz	0.004 08 %
3	64.023 745 MHz	0.003 95 %
4	59.842 979 MHz	0.003 89 %
5	116.000 000 MHz	0.003 82 %
6	58.055 060 MHz	0.003 78 %
7	56.195 148 MHz	0.003 63 %
8	88.969 819 MHz	0.002 84 %
9	72.520 226 MHz	0.002 71 %
10	61.713 433 MHz	0.002 69 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	245
Meas. Range:	125 %	Sweep Time:	580 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'19.5" N GPS Longitude 71°2'38.1" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	13:54:33
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	Act
Number of Result Types used	1
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	580 ms
No. of Runs	245
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	29
GPS Latitude	41°38'19.5" N
GPS Longitude	71°2'38.1" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	13:54:44

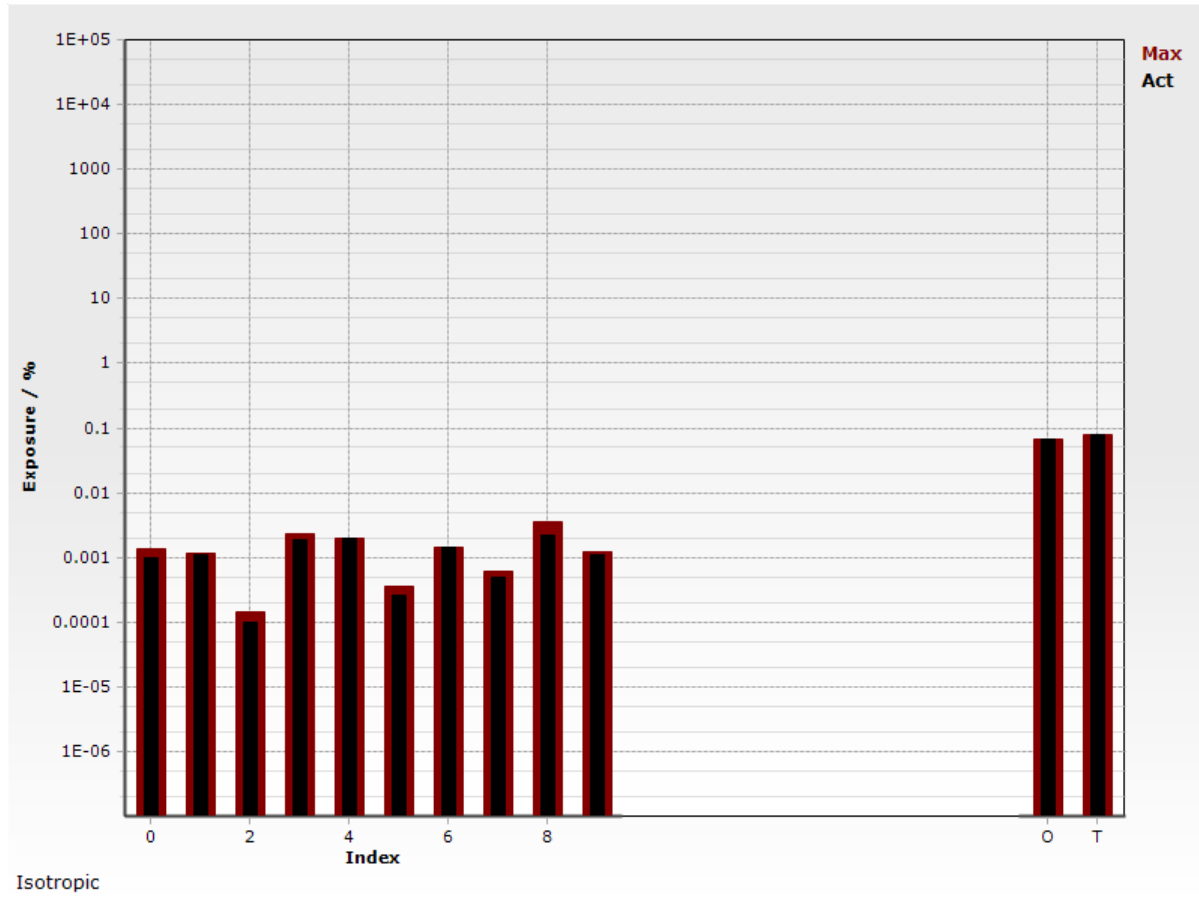
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.000 96 %	0.001 34 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 09 %	0.001 13 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 1 %	0.000 14 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 91 %	0.002 26 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 93 %	0.001 93 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 26 %	0.000 35 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 42 %	0.001 42 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 49 %	0.000 61 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.002 19 %	0.003 64 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 11 %	0.001 2 %
	Others			0.066 %	0.066 %
	Total			0.077 %	0.077 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 941 ms No. of Runs: 6
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'19.6" N GPS Longitude 71°2'38.1" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	13:54:44
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	941 ms
No. of Runs	6
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	29
GPS Latitude	41°38'19.6" N
GPS Longitude	71°2'38.1" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	13:55:41

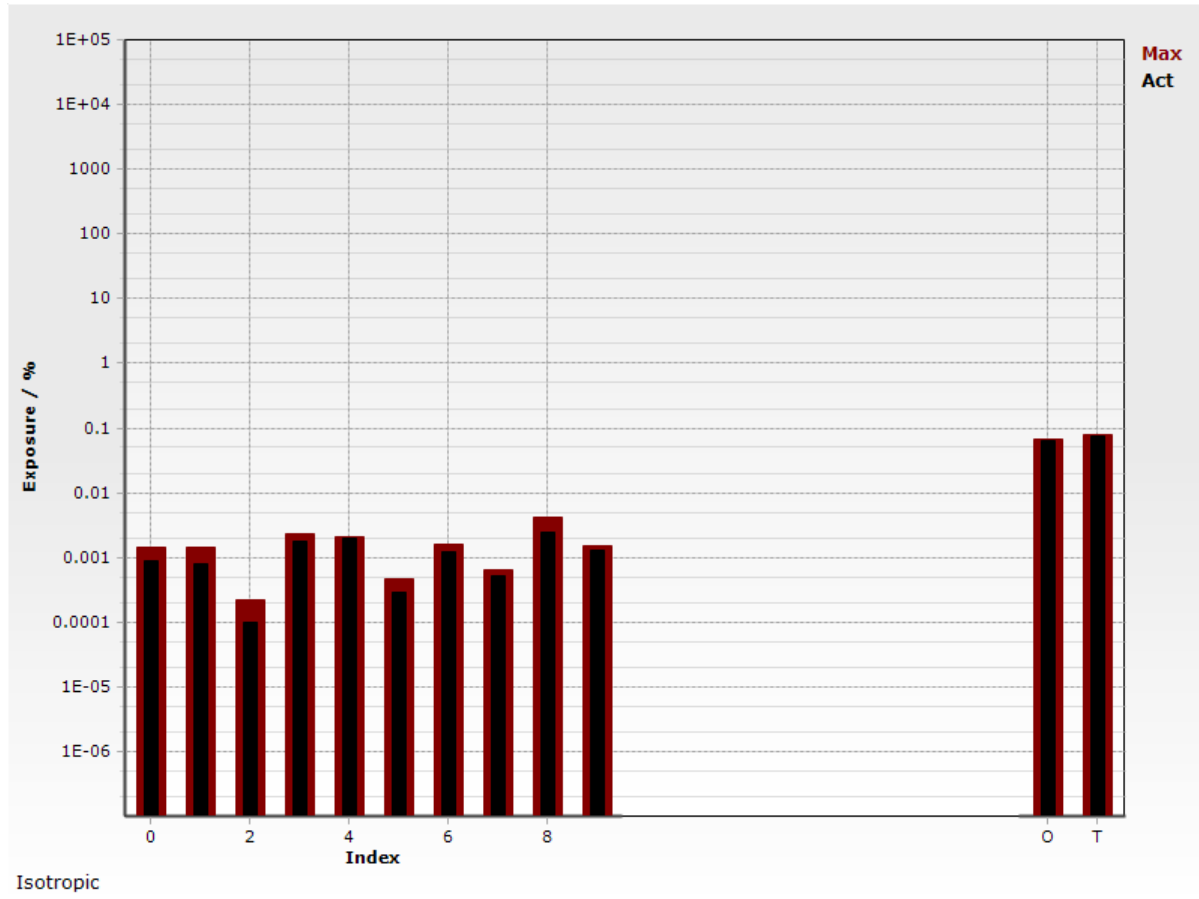
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.000 9 %	0.001 43 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 79 %	0.001 42 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 1 %	0.000 21 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 76 %	0.002 32 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 96 %	0.002 07 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 29 %	0.000 47 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 23 %	0.001 57 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 53 %	0.000 65 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.002 39 %	0.004 23 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 3 %	0.001 51 %
	Others			0.065 %	0.067 %
	Total			0.076 %	0.079 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 920 ms No. of Runs: 68
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'19.6" N GPS Longitude71°2'37.3" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	13:55:41
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	920 ms
No. of Runs	68
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	34
GPS Latitude	41°38'19.6" N
GPS Longitude	71°2'37.3" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	13:56:22

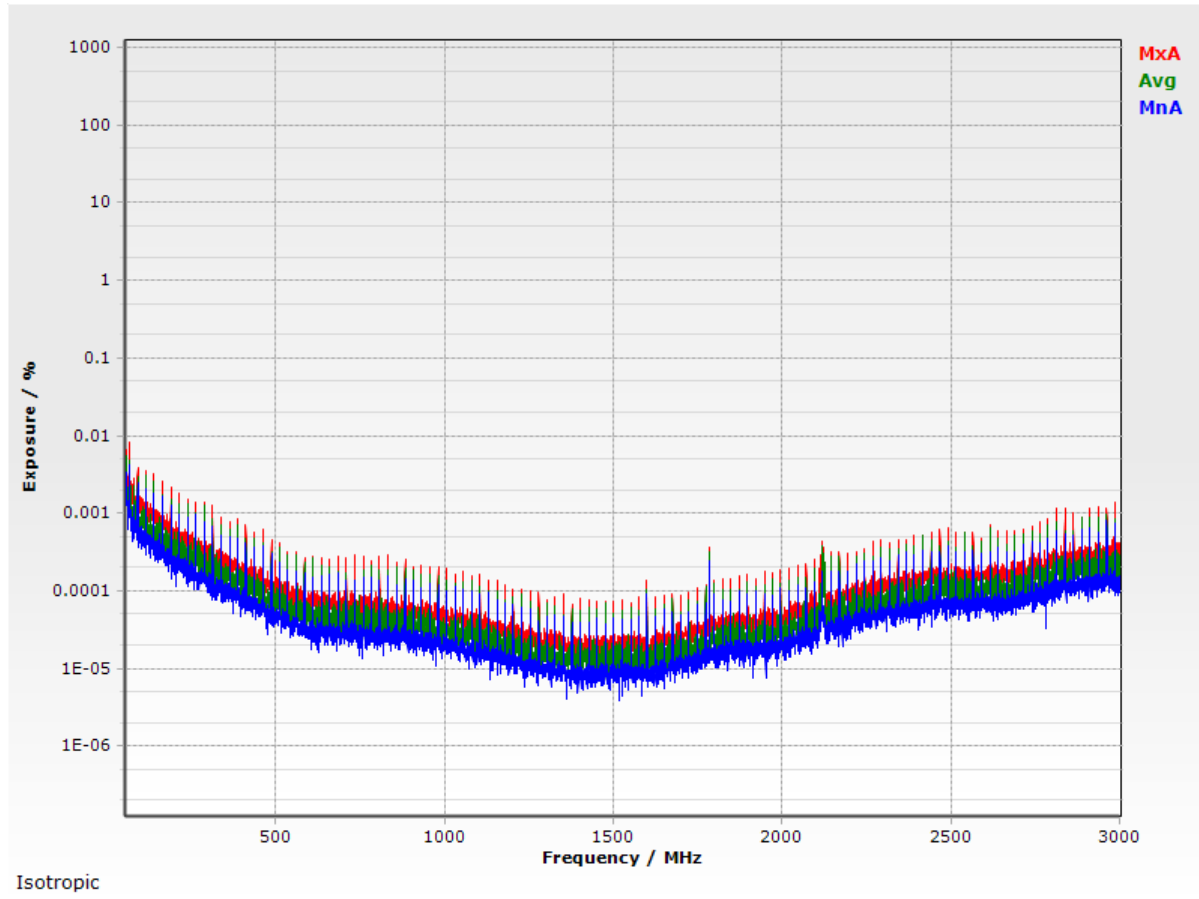
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	66.010 118 MHz	0.008 21 %	0.004 69 %	0.004 16 %
2	59.945 061 MHz	0.006 56 %	0.005 87 %	0.003 29 %
3	54.930 464 MHz	0.004 28 %	0.001 84 %	0.001 87 %
4	91.982 799 MHz	0.003 9 %	0.002 94 %	0.002 44 %
5	55.534 231 MHz	0.003 89 %	0.002 92 %	0.001 66 %
6	56.734 098 MHz	0.003 8 %	0.003 4 %	0.001 7 %
7	58.461 684 MHz	0.003 78 %	0.002 38 %	0.001 7 %
8	59.340 646 MHz	0.003 74 %	0.002 33 %	0.001 59 %
9	116.008 540 MHz	0.003 59 %	0.003 08 %	0.002 05 %
10	57.860 257 MHz	0.003 4 %	0.001 53 %	0.001 31 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	51
Meas. Range:	125 %	Sweep Time:	588 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'19.6" N GPS Longitude 71°2'37.4" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	13:56:22
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	588 ms
No. of Runs	51
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	33
GPS Latitude	41°38'19.6" N
GPS Longitude	71°2'37.4" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	13:56:33

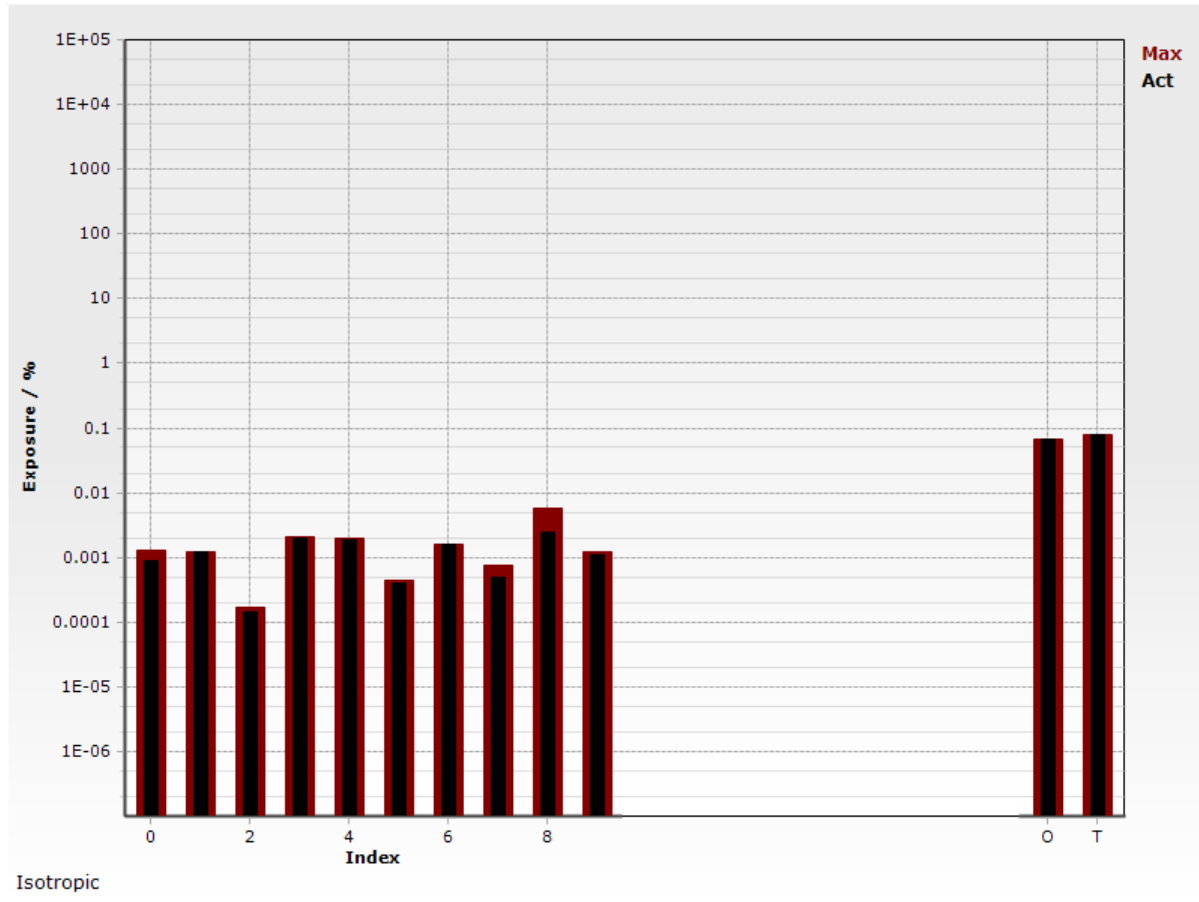
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.000 9 %	0.001 31 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 2 %	0.001 2 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 14 %	0.000 17 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 %	0.002 05 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 88 %	0.001 93 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 41 %	0.000 43 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 55 %	0.001 55 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 49 %	0.000 76 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.002 44 %	0.005 82 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 08 %	0.001 25 %
	Others			0.066 %	0.066 %
	Total			0.078 %	0.08 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 940 ms No. of Runs: 6
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'19.6" N GPS Longitude 71°2'37.4" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	13:56:33
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	940 ms
No. of Runs	6
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	34
GPS Latitude	41°38'19.6" N
GPS Longitude	71°2'37.4" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:08:41

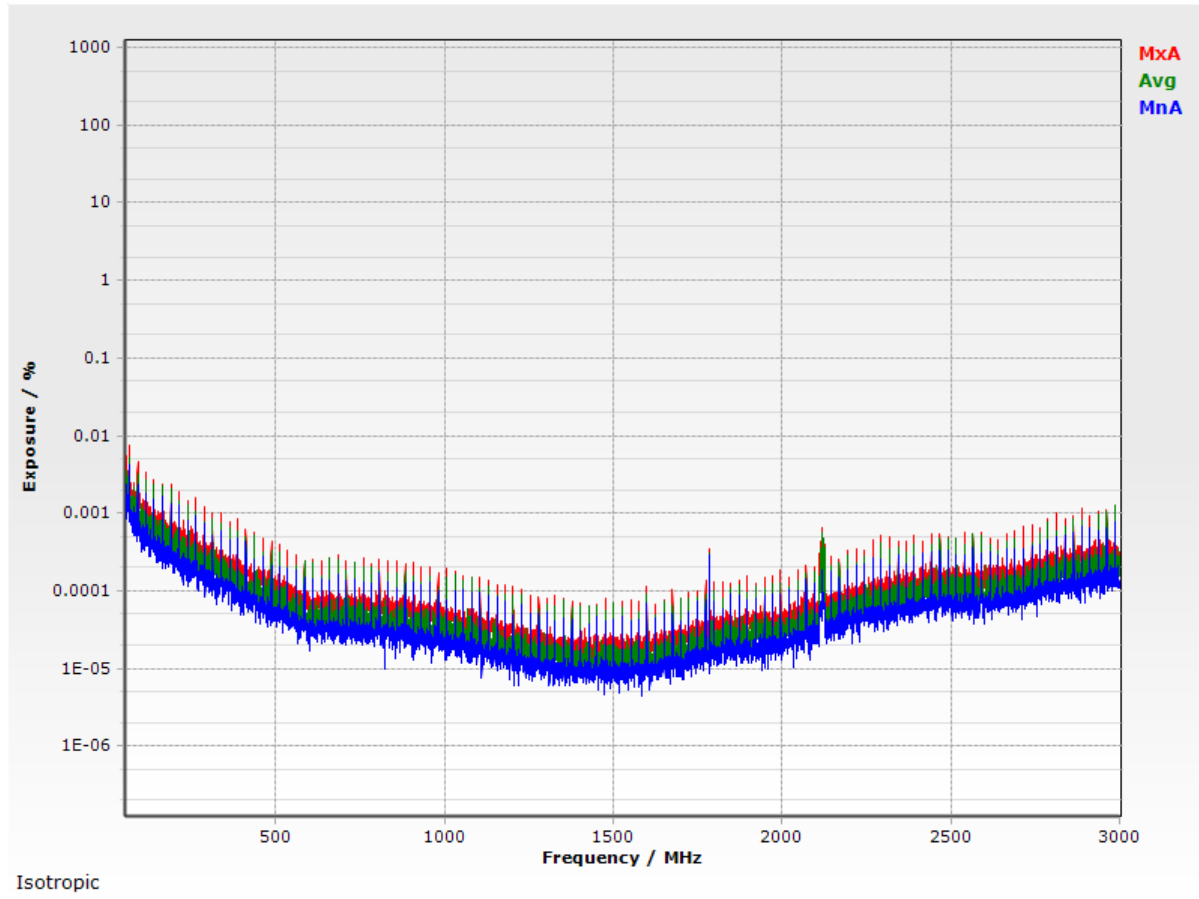
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.965 465 MHz	0.007 49 %	0.005 17 %	0.004 08 %
2	60.059 551 MHz	0.005 44 %	0.002 27 %	0.002 28 %
3	91.983 769 MHz	0.004 57 %	0.003 18 %	0.002 3 %
4	54.598 169 MHz	0.004 53 %	0.003 11 %	0.002 15 %
5	55.220 656 MHz	0.004 2 %	0.001 92 %	0.001 91 %
6	57.987 556 MHz	0.003 85 %	0.003 15 %	0.001 28 %
7	55.840 114 MHz	0.003 75 %	0.002 57 %	0.001 85 %
8	56.746 258 MHz	0.003 5 %	0.003 5 %	0.001 78 %
9	63.031 032 MHz	0.003 48 %	0.001 62 %	0.001 36 %
10	57.235 117 MHz	0.003 44 %	0.003 06 %	0.001 69 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	37
Meas. Range:	125 %	Sweep Time:	606 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'20.4" N GPS Longitude 71°1'59.7" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:08:41
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	606 ms
No. of Runs	37
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	44
GPS Latitude	41°38'20.4" N
GPS Longitude	71°1'59.7" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:08:59

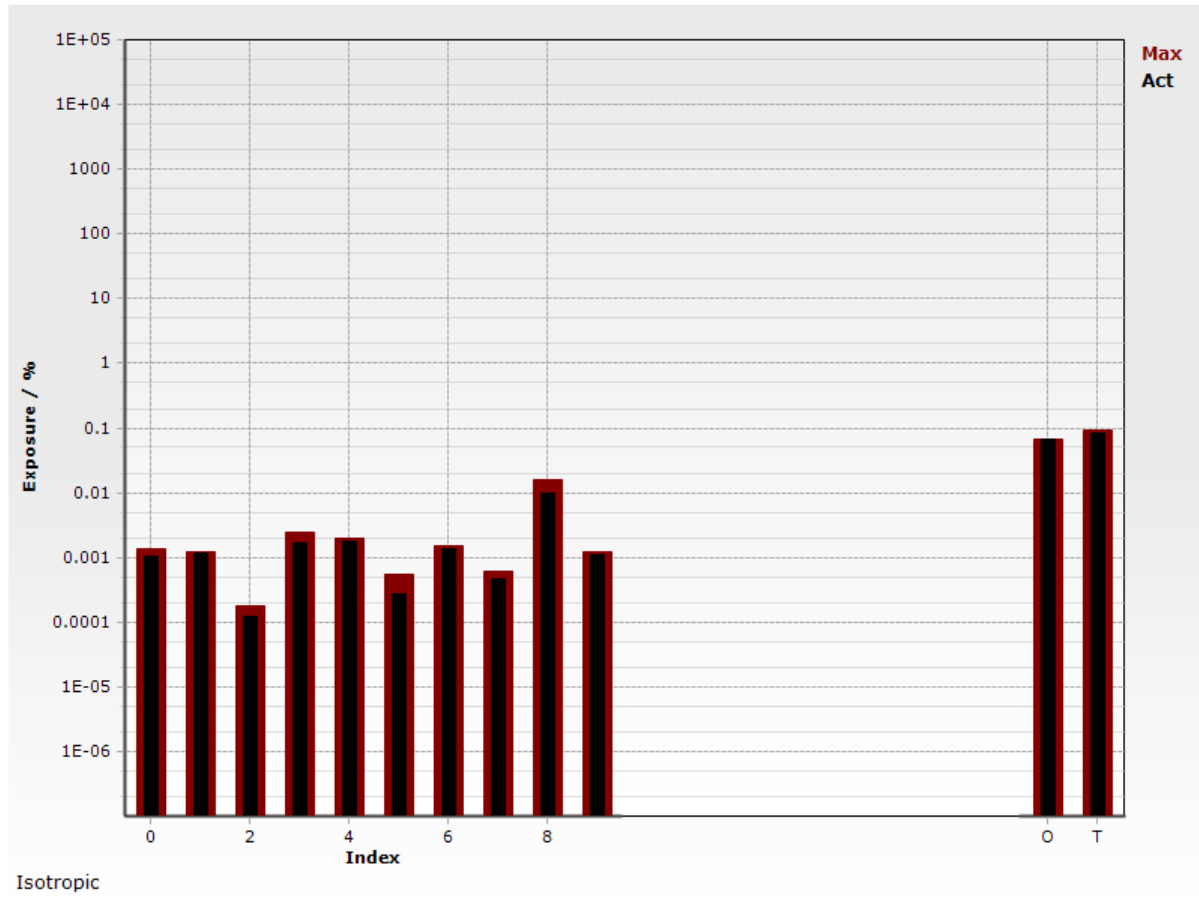
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 02 %	0.001 33 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 15 %	0.001 21 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 18 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 72 %	0.002 47 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 77 %	0.002 02 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 27 %	0.000 55 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 35 %	0.001 55 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 46 %	0.000 62 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.009 53 %	0.015 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 09 %	0.001 23 %
	Others			0.066 %	0.067 %
	Total			0.084 %	0.09 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 915 ms No. of Runs: 14
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'20.4" N GPS Longitude 71°1'59.7" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:08:59
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	915 ms
No. of Runs	14
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	45
GPS Latitude	41°38'20.4" N
GPS Longitude	71°1'59.7" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:09:27

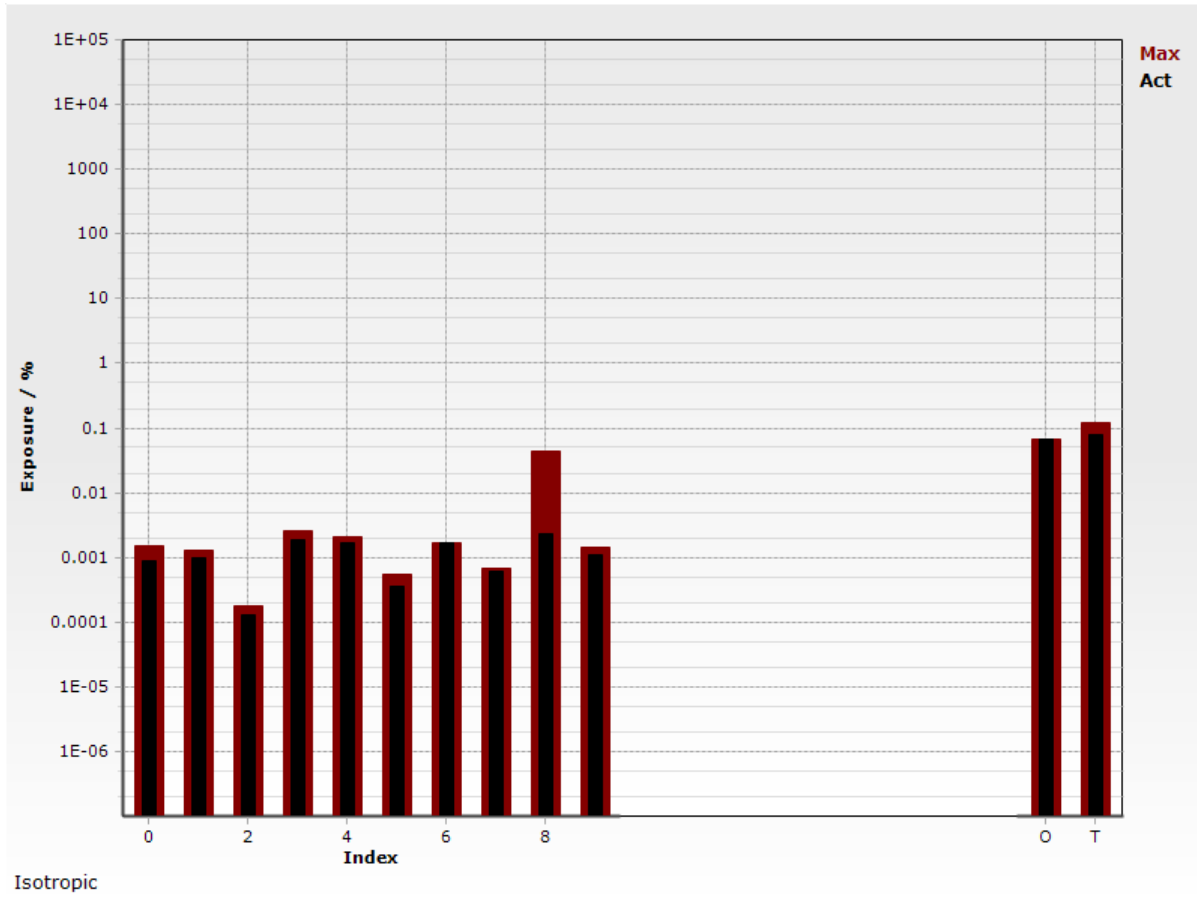
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.000 9 %	0.001 47 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 01 %	0.001 31 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 13 %	0.000 18 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 84 %	0.002 63 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 71 %	0.002 11 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 36 %	0.000 55 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 67 %	0.001 67 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 6 %	0.000 69 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.002 28 %	0.044 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 08 %	0.001 41 %
	Others			0.066 %	0.068 %
	Total			0.078 %	0.121 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 935 ms No. of Runs: 43
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'20.4" N GPS Longitude71°2'00.1" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:09:27
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	935 ms
No. of Runs	43
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	41
GPS Latitude	41°38'20.4" N
GPS Longitude	71°2'00.1" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:10:06

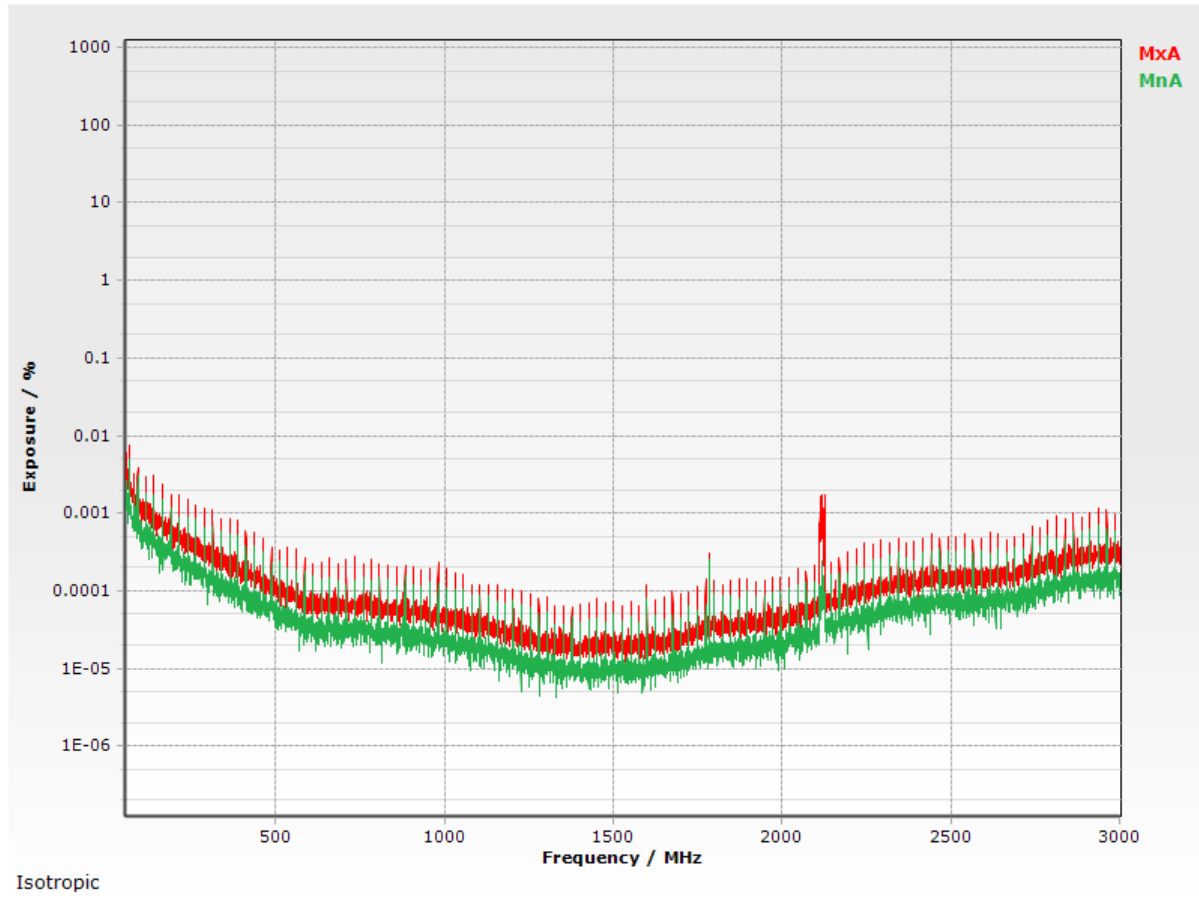
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	MnA
1	66.001 372 MHz	0.007 49 %	0.004 91 %
2	60.074 646 MHz	0.006 28 %	0.002 54 %
3	54.885 704 MHz	0.005 21 %	0.002 14 %
4	55.706 590 MHz	0.004 45 %	0.001 25 %
5	56.979 486 MHz	0.004 2 %	0.001 7 %
6	91.992 100 MHz	0.003 88 %	0.003 06 %
7	65.047 741 MHz	0.003 7 %	0.001 05 %
8	57.493 414 MHz	0.003 4 %	0.001 91 %
9	61.648 175 MHz	0.003 29 %	0.001 68 %
10	78.794 133 MHz	0.003 26 %	0.000 81 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	27
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'20.4" N GPS Longitude 71°2'00.2" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:10:06
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	27
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	40
GPS Latitude	41°38'20.4" N
GPS Longitude	71°2'00.2" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:10:51

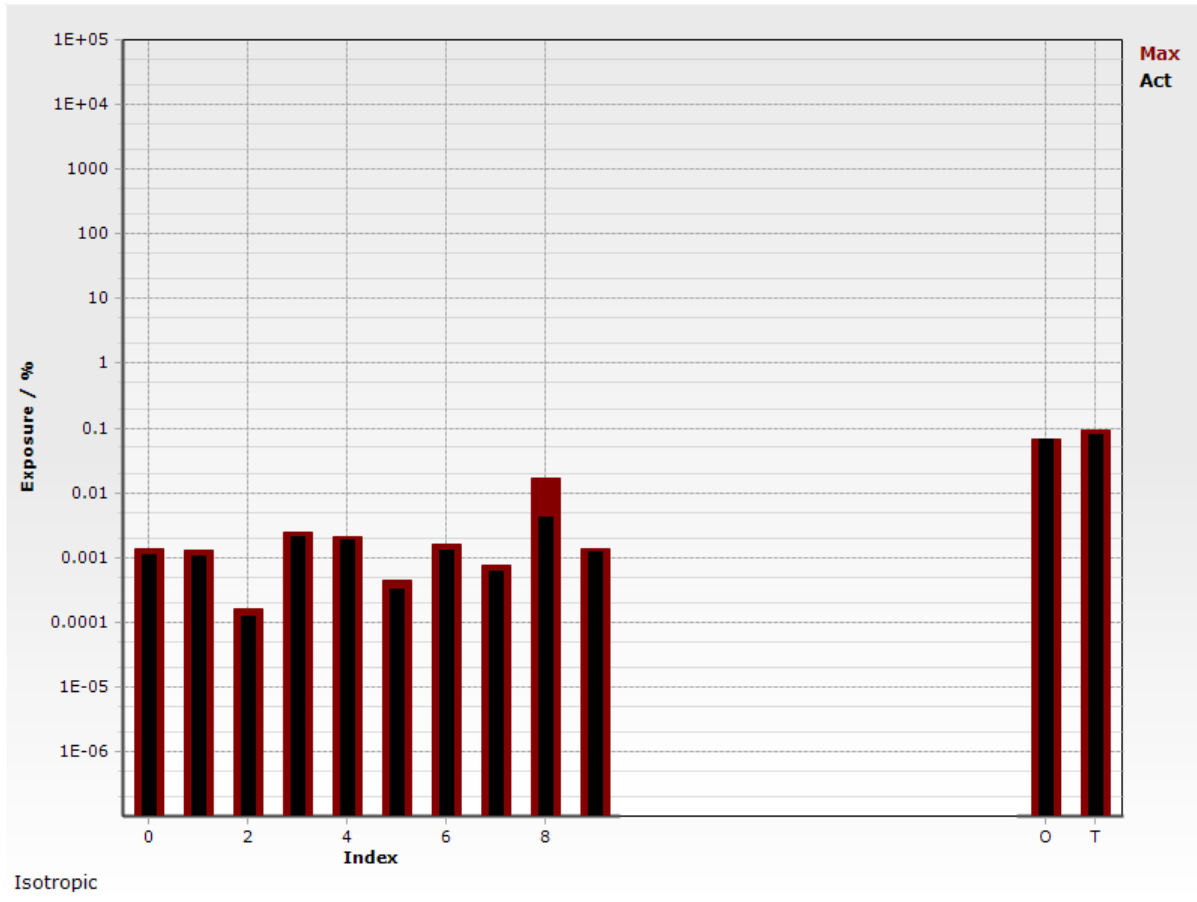
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 1 %	0.001 32 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 01 %	0.001 26 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 16 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 07 %	0.002 43 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 84 %	0.002 04 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 32 %	0.000 44 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 27 %	0.001 59 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 59 %	0.000 75 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.004 06 %	0.017 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 21 %	0.001 35 %
	Others			0.065 %	0.067 %
	Total			0.079 %	0.092 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 908 ms No. of Runs: 21
Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'20.4" N GPS Longitude71°2'00.8" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:10:51
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	908 ms
No. of Runs	21
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	42
GPS Latitude	41°38'20.4" N
GPS Longitude	71°2'00.8" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:11:09

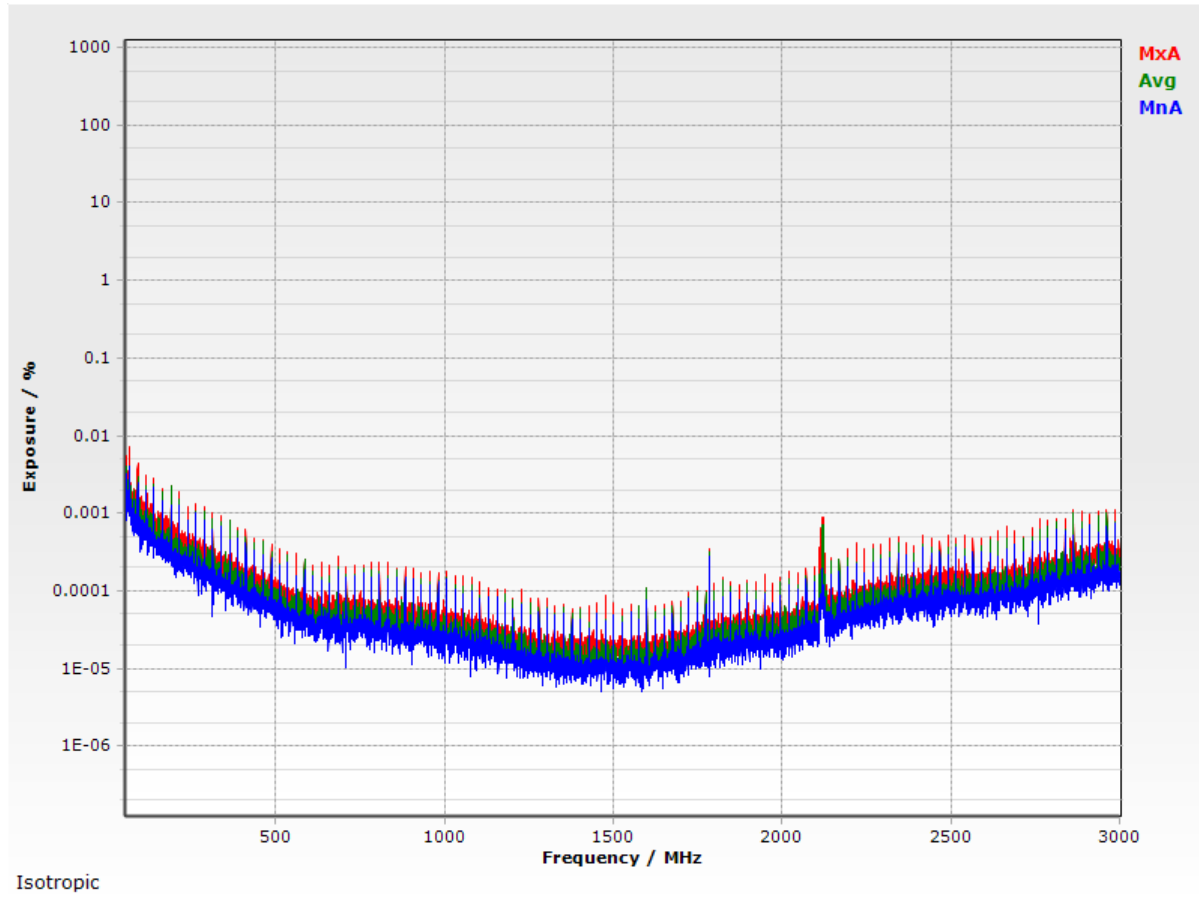
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.988 401 MHz	0.007 11 %	0.004 11 %	0.004 12 %
2	60.023 924 MHz	0.005 45 %	0.003 8 %	0.003 25 %
3	91.931 340 MHz	0.004 5 %	0.002 79 %	0.002 48 %
4	58.705 457 MHz	0.004 13 %	0.004 13 %	0.000 98 %
5	56.113 664 MHz	0.003 98 %	0.002 64 %	0.002 39 %
6	60.758 572 MHz	0.003 54 %	0.001 66 %	0.001 67 %
7	62.702 307 MHz	0.003 3 %	0.002 36 %	0.001 94 %
8	63.727 762 MHz	0.003 22 %	0.002 65 %	0.001 86 %
9	57.141 173 MHz	0.003 21 %	0.003 07 %	0.001 73 %
10	116.029 753 MHz	0.003 11 %	0.002 18 %	0.001 95 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	19
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'20.4" N GPS Longitude 71°2'00.8" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:11:09
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	19
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	42
GPS Latitude	41°38'20.4" N
GPS Longitude	71°2'00.8" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:12:18

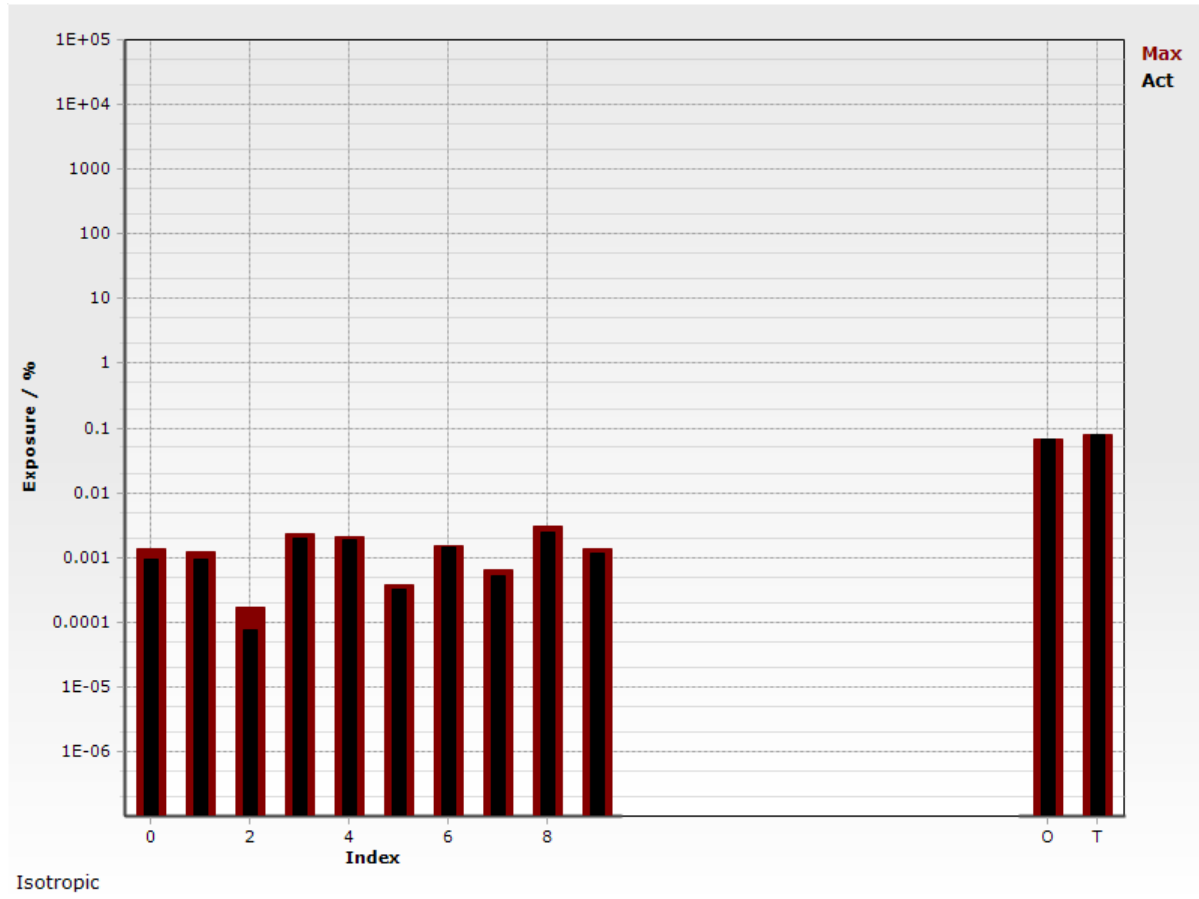
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.000 91 %	0.001 34 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 94 %	0.001 21 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 07 %	0.000 17 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 97 %	0.002 27 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 86 %	0.002 06 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 32 %	0.000 38 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 45 %	0.001 47 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 51 %	0.000 65 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.002 4 %	0.003 05 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 15 %	0.001 39 %
	Others			0.066 %	0.067 %
	Total			0.078 %	0.079 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 920 ms No. of Runs: 11
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'20.3" N GPS Longitude 71°2'03.5" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:12:18
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	920 ms
No. of Runs	11
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	39
GPS Latitude	41°38'20.3" N
GPS Longitude	71°2'03.5" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:12:36

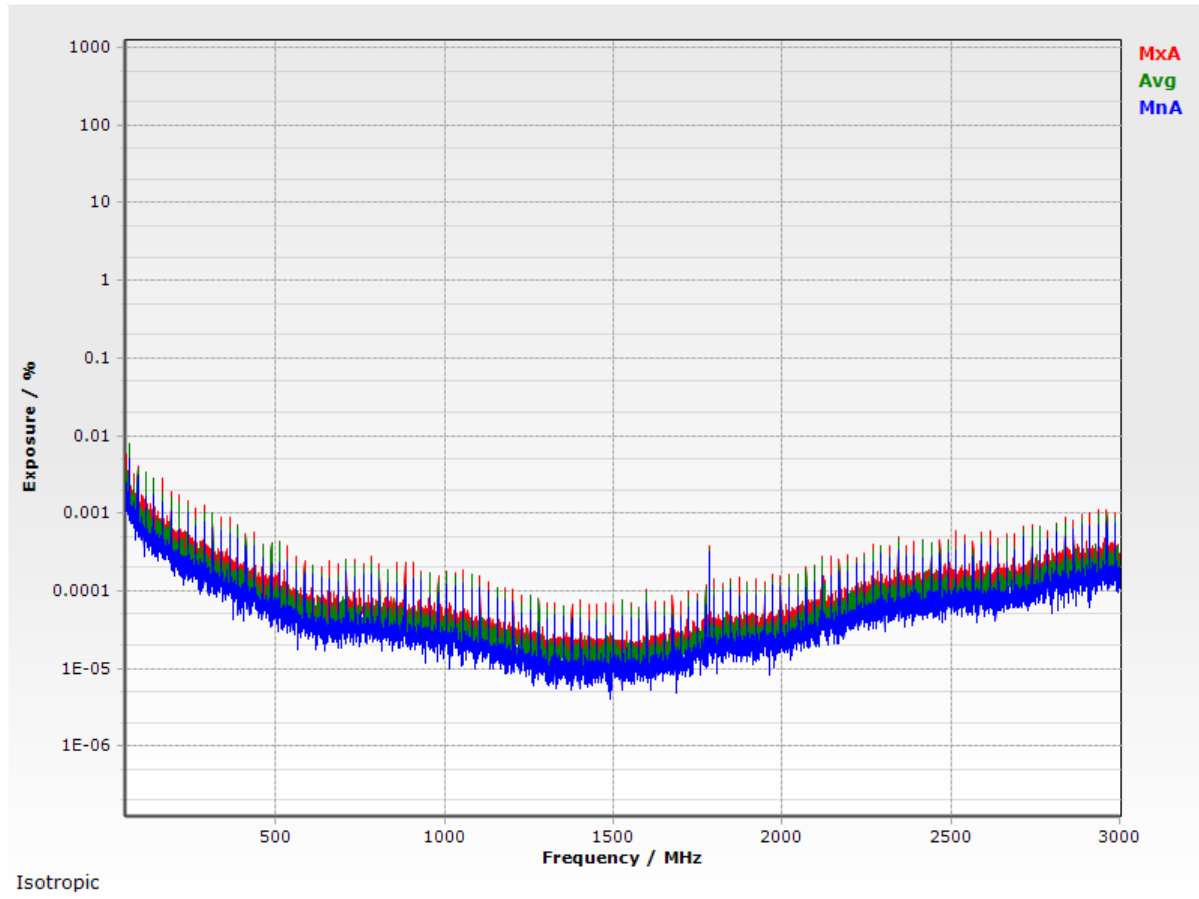
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	66.000 910 MHz	0.007 78 %	0.007 78 %	0.004 91 %
2	59.987 994 MHz	0.005 83 %	0.003 73 %	0.002 47 %
3	55.570 030 MHz	0.004 71 %	0.003 8 %	0.002 76 %
4	92.029 300 MHz	0.004 08 %	0.003 59 %	0.003 08 %
5	54.783 126 MHz	0.003 73 %	0.002 91 %	0.001 36 %
6	56.605 222 MHz	0.003 7 %	0.002 74 %	0.002 15 %
7	62.608 505 MHz	0.003 53 %	0.001 9 %	0.001 79 %
8	63.595 964 MHz	0.003 49 %	0.001 98 %	0.001 8 %
9	64.555 043 MHz	0.003 46 %	0.002 16 %	0.001 71 %
10	116.038 568 MHz	0.003 42 %	0.003 45 %	0.001 59 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	21
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'20.3" N GPS Longitude 71°2'03.5" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:12:36
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	21
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	39
GPS Latitude	41°38'20.3" N
GPS Longitude	71°2'03.5" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:23:09

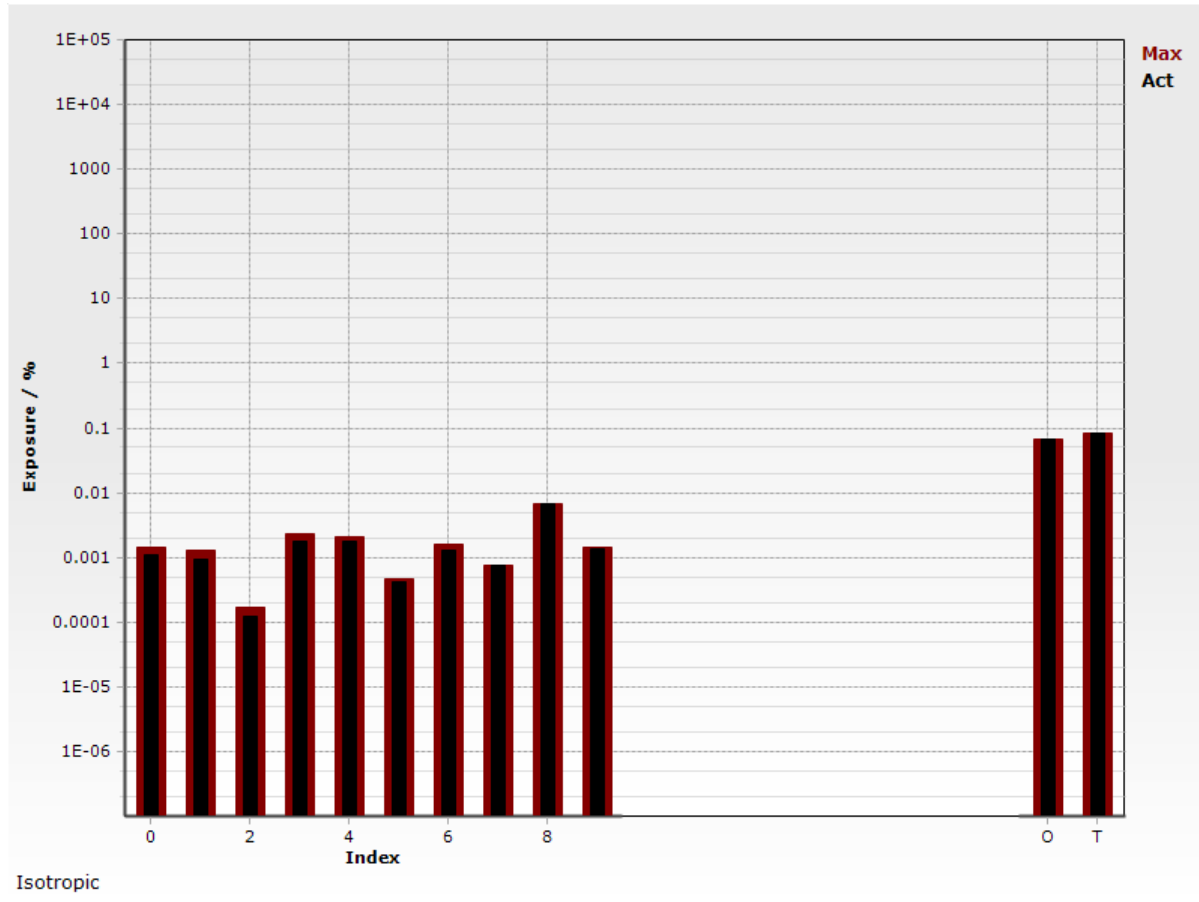
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 09 %	0.001 41 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 95 %	0.001 32 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 17 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 76 %	0.002 27 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 81 %	0.002 08 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 42 %	0.000 46 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 28 %	0.001 61 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 73 %	0.000 73 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.006 86 %	0.006 86 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 38 %	0.001 44 %
	Others			0.068 %	0.068 %
	Total			0.085 %	0.085 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 904 ms No. of Runs: 28
Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.1" N GPS Longitude 71°1'12.1" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:23:09
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	904 ms
No. of Runs	28
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	35
GPS Latitude	41°38'23.1" N
GPS Longitude	71°1'12.1" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:23:52

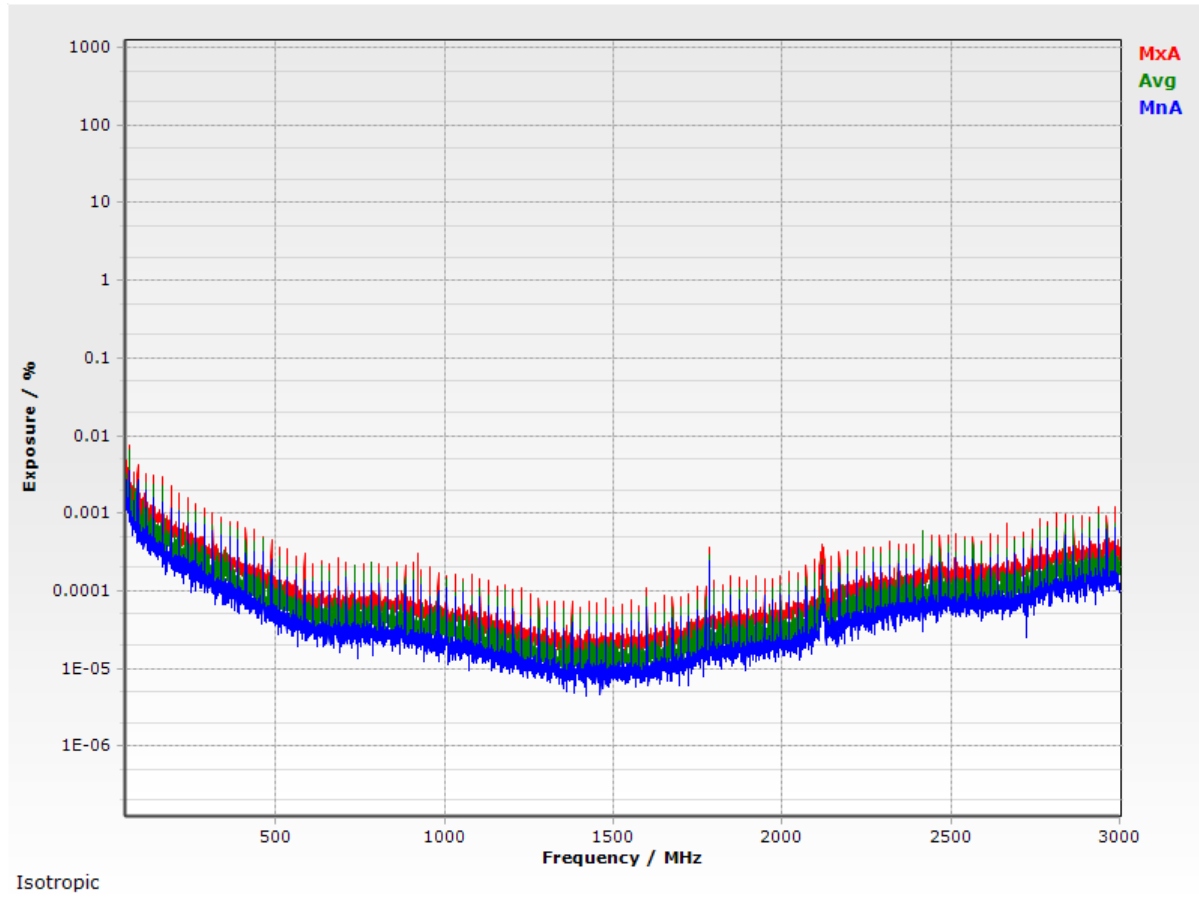
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.988 569 MHz	0.007 64 %	0.006 46 %	0.003 43 %
2	56.668 188 MHz	0.004 83 %	0.002 58 %	0.002 07 %
3	54.226 959 MHz	0.004 59 %	0.003 47 %	0.001 73 %
4	58.790 154 MHz	0.004 5 %	0.002 88 %	0.001 65 %
5	60.051 238 MHz	0.004 41 %	0.003 31 %	0.002 6 %
6	57.784 798 MHz	0.004 35 %	0.002 92 %	0.001 96 %
7	55.701 206 MHz	0.004 21 %	0.002 75 %	0.001 72 %
8	91.968 794 MHz	0.004 16 %	0.002 69 %	0.002 66 %
9	62.852 124 MHz	0.003 91 %	0.001 26 %	0.001 25 %
10	54.926 428 MHz	0.003 8 %	0.002 07 %	0.001 62 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	56
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.1" N GPS Longitude 71°1'12.0" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:23:52
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	56
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	35
GPS Latitude	41°38'23.1" N
GPS Longitude	71°1'12.0" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:24:42

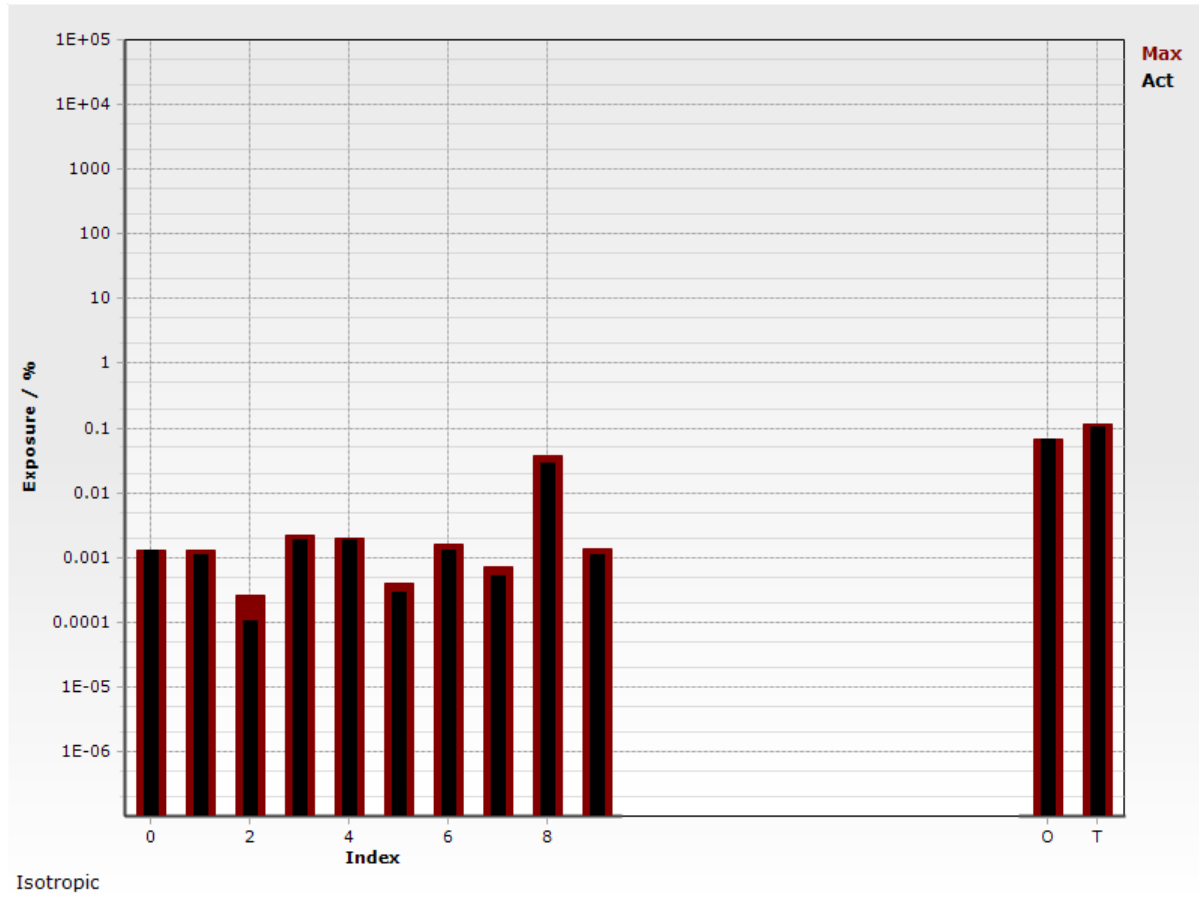
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 29 %	0.001 31 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 1 %	0.001 26 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 11 %	0.000 26 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 91 %	0.002 19 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 9 %	0.001 96 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 28 %	0.000 4 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 3 %	0.001 55 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 53 %	0.000 71 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.029 %	0.037 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 12 %	0.001 35 %
	Others			0.066 %	0.068 %
	Total			0.105 %	0.114 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 920 ms No. of Runs: 11
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.2" N GPS Longitude 71°1'11.6" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:24:42
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	920 ms
No. of Runs	11
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	37
GPS Latitude	41°38'23.2" N
GPS Longitude	71°1'11.6" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:25:00

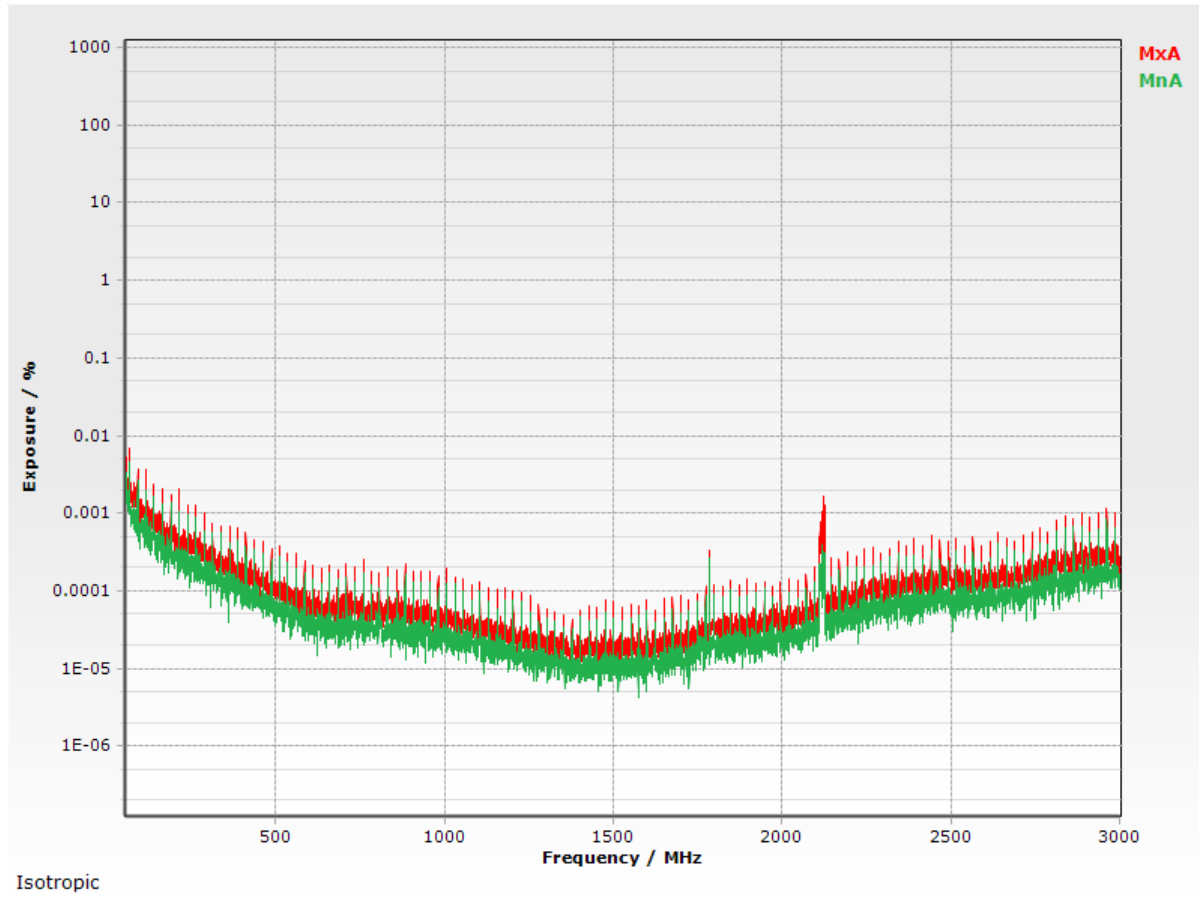
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	MnA
1	65.994 079 MHz	0.006 73 %	0.004 47 %
2	59.920 849 MHz	0.005 45 %	0.003 29 %
3	56.369 395 MHz	0.004 82 %	0.001 87 %
4	54.507 620 MHz	0.004 76 %	0.002 11 %
5	55.557 394 MHz	0.004 74 %	0.001 97 %
6	115.991 511 MHz	0.003 69 %	0.002 %
7	92.040 758 MHz	0.003 67 %	0.002 68 %
8	58.965 599 MHz	0.003 5 %	0.002 02 %
9	58.068 447 MHz	0.003 15 %	0.001 36 %
10	67.695 431 MHz	0.002 97 %	0.001 75 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	15
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.2" N GPS Longitude 71°1'11.6" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:25:00
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	15
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	39
GPS Latitude	41°38'23.2" N
GPS Longitude	71°1'11.6" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:25:41

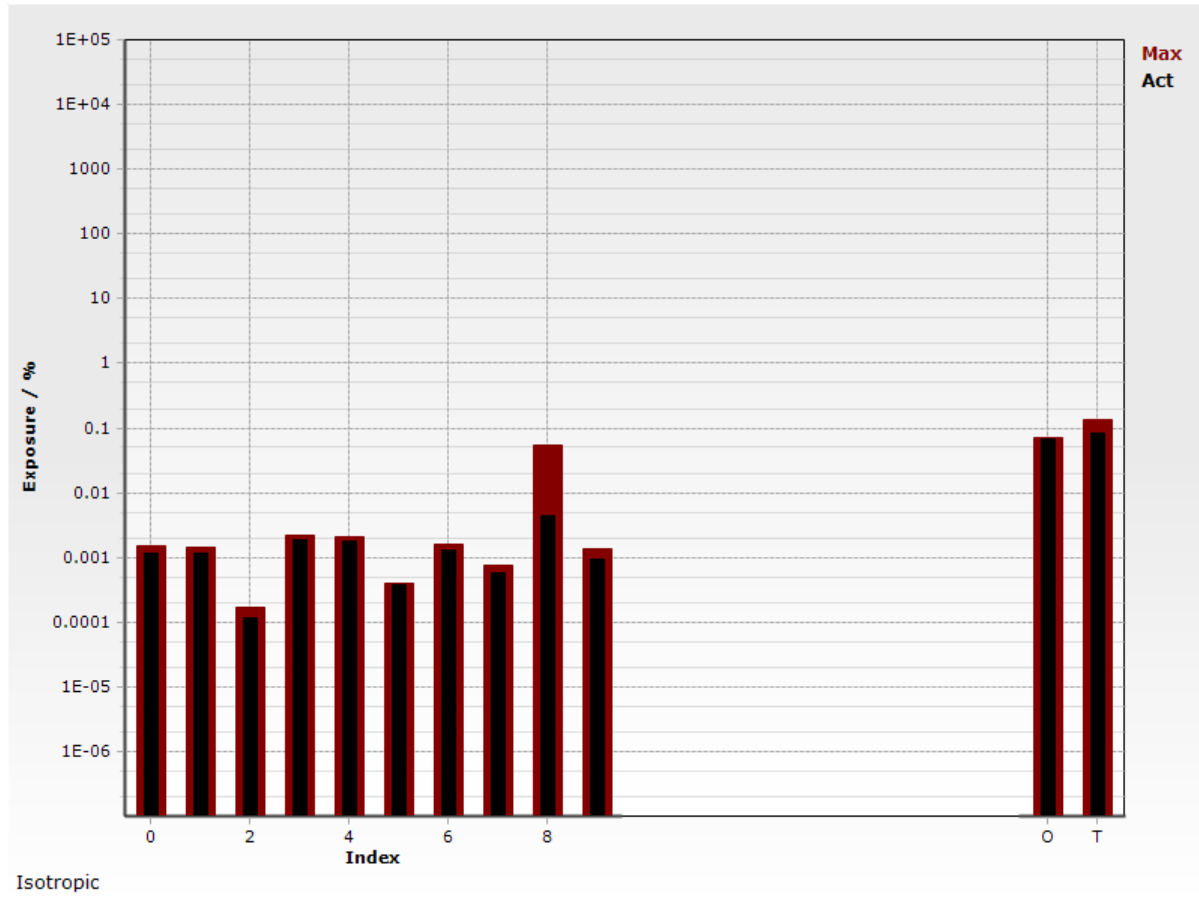
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 17 %	0.001 53 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 15 %	0.001 43 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 17 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 89 %	0.002 22 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 72 %	0.002 13 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 38 %	0.000 4 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 31 %	0.001 59 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 58 %	0.000 73 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.004 47 %	0.055 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.000 94 %	0.001 39 %
	Others			0.067 %	0.069 %
	Total			0.081 %	0.133 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 909 ms No. of Runs: 19
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.2" N GPS Longitude 71°1'11.0" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:25:41
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	909 ms
No. of Runs	19
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	39
GPS Latitude	41°38'23.2" N
GPS Longitude	71°1'11.0" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:25:54

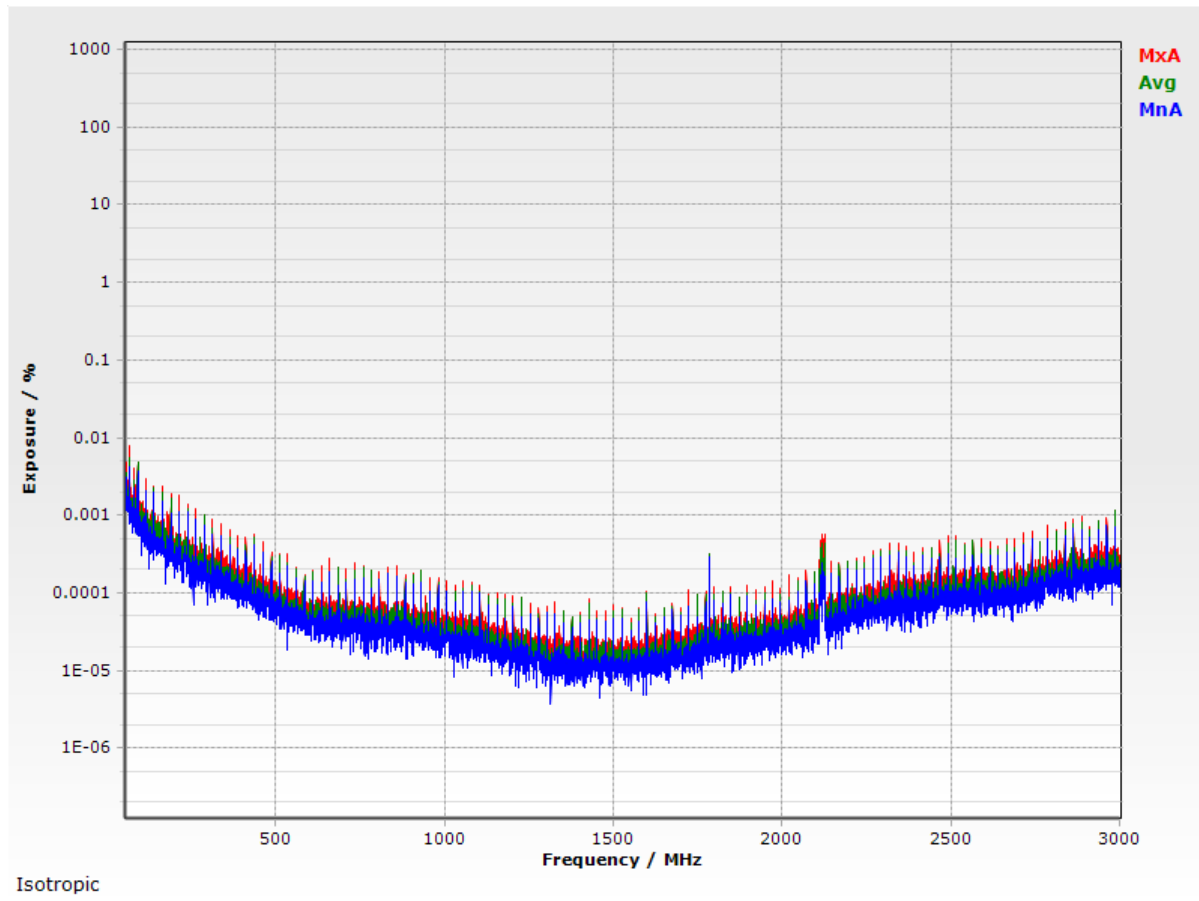
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.989 101 MHz	0.008 01 %	0.005 45 %	0.004 16 %
2	55.393 849 MHz	0.005 65 %	0.003 05 %	0.002 63 %
3	60.074 714 MHz	0.004 99 %	0.003 5 %	0.002 91 %
4	91.994 211 MHz	0.004 8 %	0.004 8 %	0.003 64 %
5	80.002 296 MHz	0.004 07 %	0.002 87 %	0.002 22 %
6	56.952 775 MHz	0.003 7 %	0.002 22 %	0.001 8 %
7	58.756 431 MHz	0.003 51 %	0.003 51 %	0.001 4 %
8	57.914 205 MHz	0.003 46 %	0.003 18 %	0.001 22 %
9	116.008 789 MHz	0.002 88 %	0.002 08 %	0.002 08 %
10	69.333 437 MHz	0.002 85 %	0.001 49 %	0.001 48 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	13
Meas. Range:	125 %	Sweep Time:	604 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.2" N GPS Longitude 71°1'11.0" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:25:54
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	604 ms
No. of Runs	13
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	38
GPS Latitude	41°38'23.2" N
GPS Longitude	71°1'11.0" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:27:04

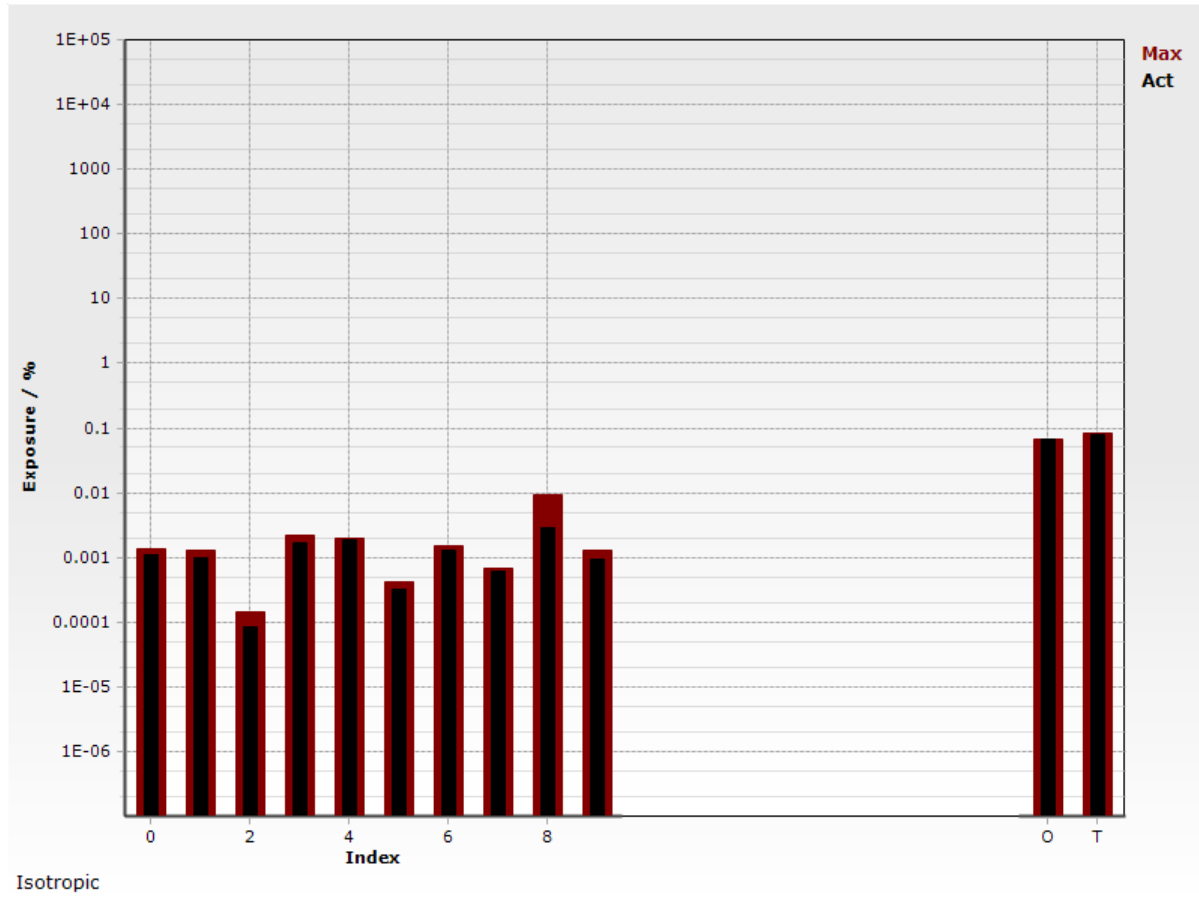
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 11 %	0.001 39 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 %	0.001 27 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 08 %	0.000 15 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 68 %	0.002 17 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 89 %	0.002 01 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 32 %	0.000 43 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 31 %	0.001 51 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 62 %	0.000 68 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.002 81 %	0.009 45 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.000 94 %	0.001 31 %
	Others			0.066 %	0.068 %
	Total			0.078 %	0.085 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 918 ms No. of Runs: 12
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.4" N GPS Longitude 71°1'08.4" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:27:04
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	918 ms
No. of Runs	12
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	40
GPS Latitude	41°38'23.4" N
GPS Longitude	71°1'08.4" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:27:18

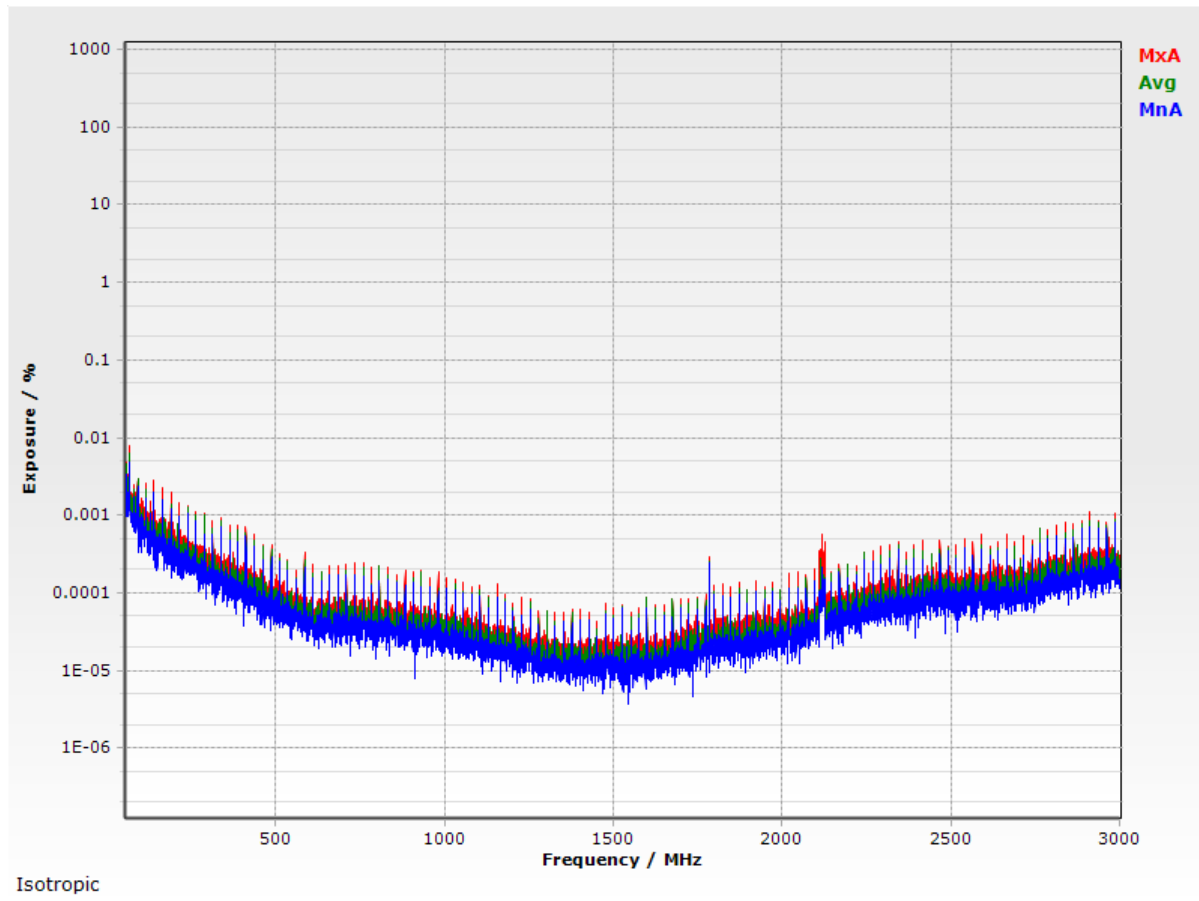
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.985 335 MHz	0.008 01 %	0.006 33 %	0.004 84 %
2	59.984 834 MHz	0.004 78 %	0.004 59 %	0.003 33 %
3	57.913 377 MHz	0.003 94 %	0.003 08 %	0.002 57 %
4	55.309 943 MHz	0.003 85 %	0.001 7 %	0.001 51 %
5	56.689 385 MHz	0.003 83 %	0.003 65 %	0.002 01 %
6	59.292 120 MHz	0.003 41 %	0.003 26 %	0.001 96 %
7	64.786 120 MHz	0.003 3 %	0.001 81 %	0.001 78 %
8	62.846 132 MHz	0.003 12 %	0.002 01 %	0.001 96 %
9	60.951 620 MHz	0.003 09 %	0.002 79 %	0.001 3 %
10	61.489 699 MHz	0.003 07 %	0.003 07 %	0.001 04 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	14
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'23.4" N GPS Longitude 71°1'08.4" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:27:18
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	14
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	41
GPS Latitude	41°38'23.4" N
GPS Longitude	71°1'08.4" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:38:08

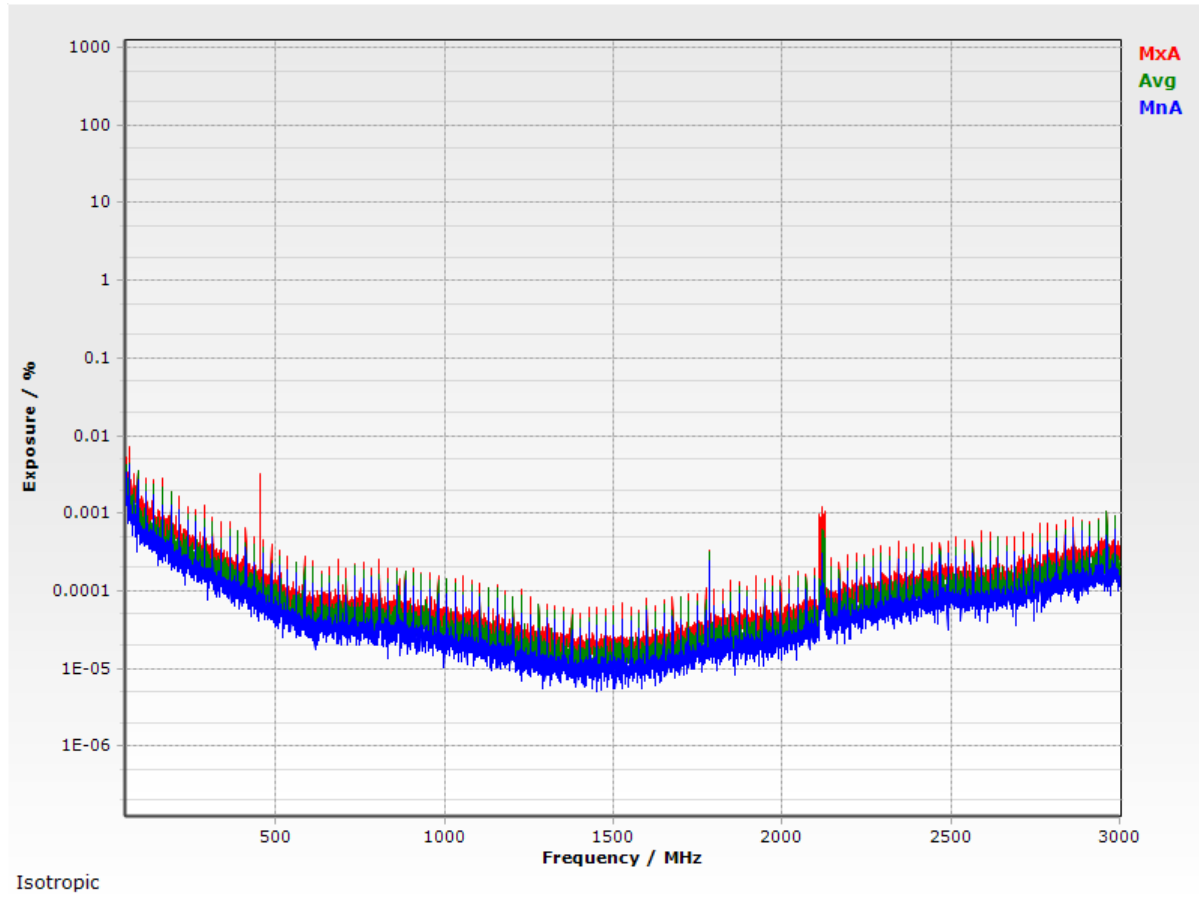
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	66.026 992 MHz	0.007 17 %	0.004 5 %	0.004 12 %
2	60.017 704 MHz	0.005 17 %	0.004 07 %	0.003 35 %
3	57.036 669 MHz	0.004 53 %	0.002 45 %	0.001 56 %
4	55.111 576 MHz	0.004 04 %	0.003 37 %	0.002 01 %
5	92.013 685 MHz	0.003 57 %	0.003 57 %	0.002 73 %
6	56.045 430 MHz	0.003 55 %	0.002 63 %	0.001 5 %
7	58.027 092 MHz	0.003 46 %	0.003 02 %	0.001 59 %
8	63.726 552 MHz	0.003 35 %	0.002 05 %	0.001 49 %
9	59.223 258 MHz	0.003 27 %	0.002 03 %	0.001 51 %
10	61.794 341 MHz	0.003 22 %	0.002 55 %	0.001 06 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	27
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location				
	<table><tr><td data-bbox="787 327 1062 352">GPS Latitude</td><td data-bbox="1073 327 1414 352">41°38'26.2" N</td></tr><tr><td data-bbox="787 354 1062 380">GPS Longitude</td><td data-bbox="1073 354 1414 380">71°0'33.9" W</td></tr></table>	GPS Latitude	41°38'26.2" N	GPS Longitude	71°0'33.9" W
GPS Latitude	41°38'26.2" N				
GPS Longitude	71°0'33.9" W				

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:38:08
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	27
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	50
GPS Latitude	41°38'26.2" N
GPS Longitude	71°0'33.9" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:38:33

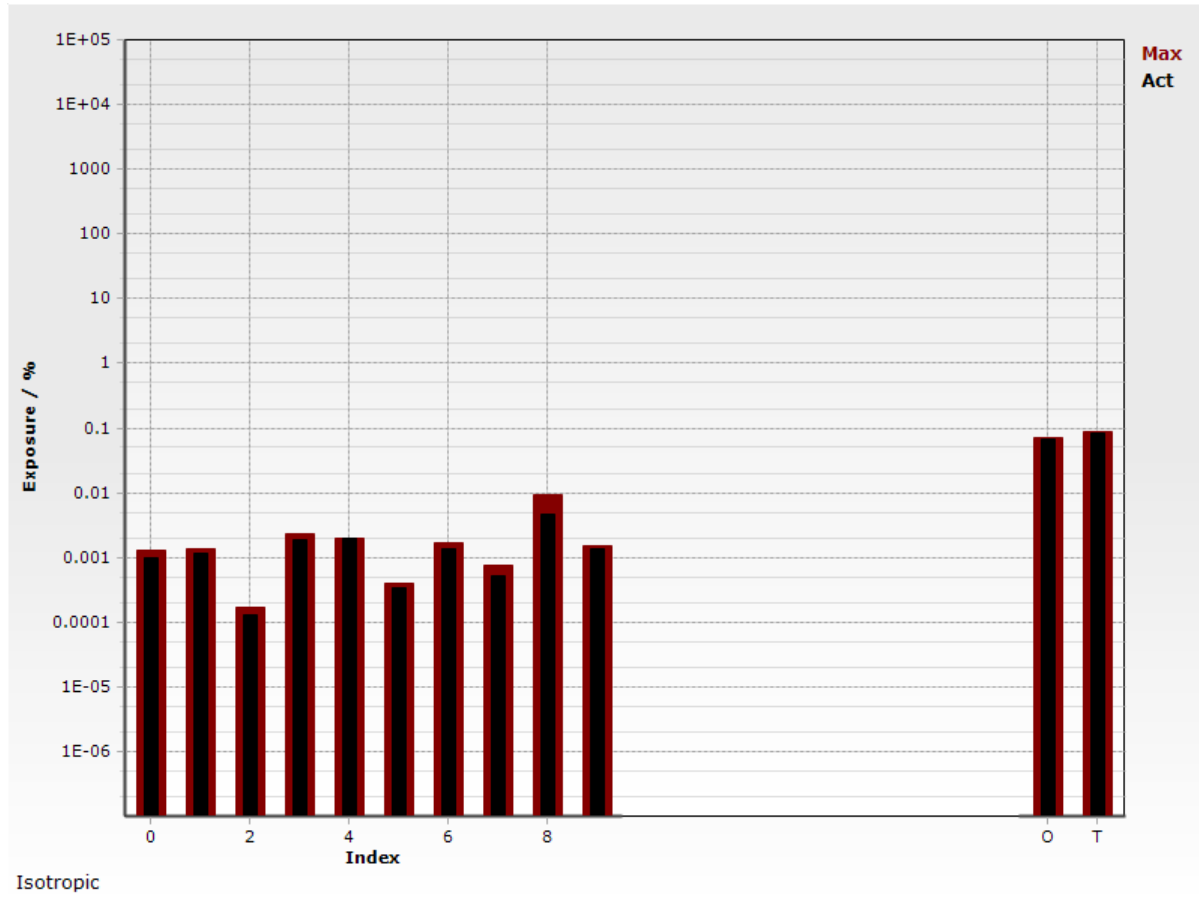
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.000 99 %	0.001 25 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 18 %	0.001 33 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 13 %	0.000 17 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 83 %	0.002 26 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 92 %	0.002 02 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 34 %	0.000 39 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 33 %	0.001 66 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 53 %	0.000 75 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.004 61 %	0.009 39 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 36 %	0.001 47 %
	Others			0.068 %	0.07 %
	Total			0.082 %	0.086 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 907 ms No. of Runs: 12
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'26.3" N GPS Longitude 71°0'33.9" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:38:33
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	907 ms
No. of Runs	12
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	52
GPS Latitude	41°38'26.3" N
GPS Longitude	71°0'33.9" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:39:10

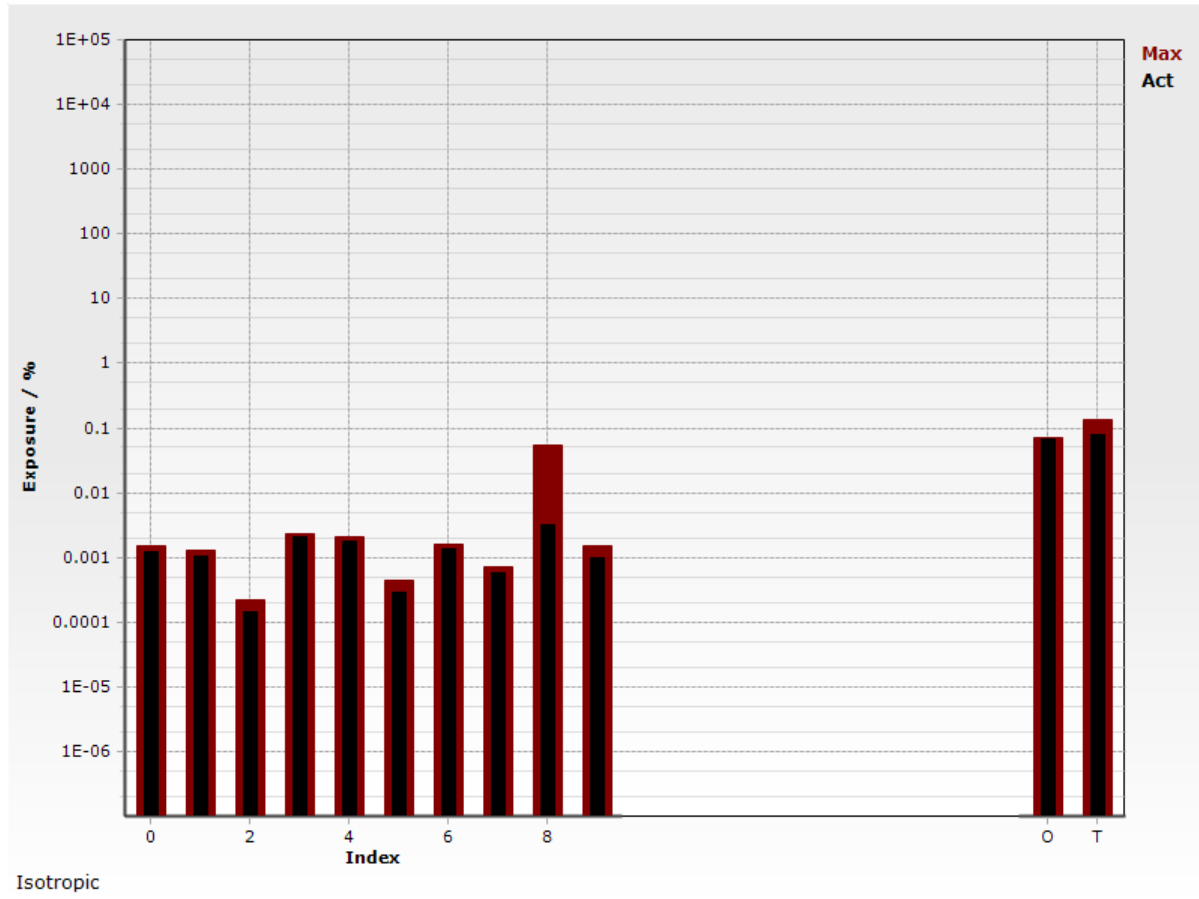
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 21 %	0.001 49 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 01 %	0.001 27 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 14 %	0.000 22 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 12 %	0.002 25 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 79 %	0.002 03 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 29 %	0.000 45 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 36 %	0.001 59 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 57 %	0.000 73 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.003 26 %	0.053 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.000 97 %	0.001 54 %
	Others			0.068 %	0.07 %
	Total			0.08 %	0.131 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 898 ms No. of Runs: 18
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'26.4" N GPS Longitude 71°0'33.6" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:39:10
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	898 ms
No. of Runs	18
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	54
GPS Latitude	41°38'26.4" N
GPS Longitude	71°0'33.6" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:39:35

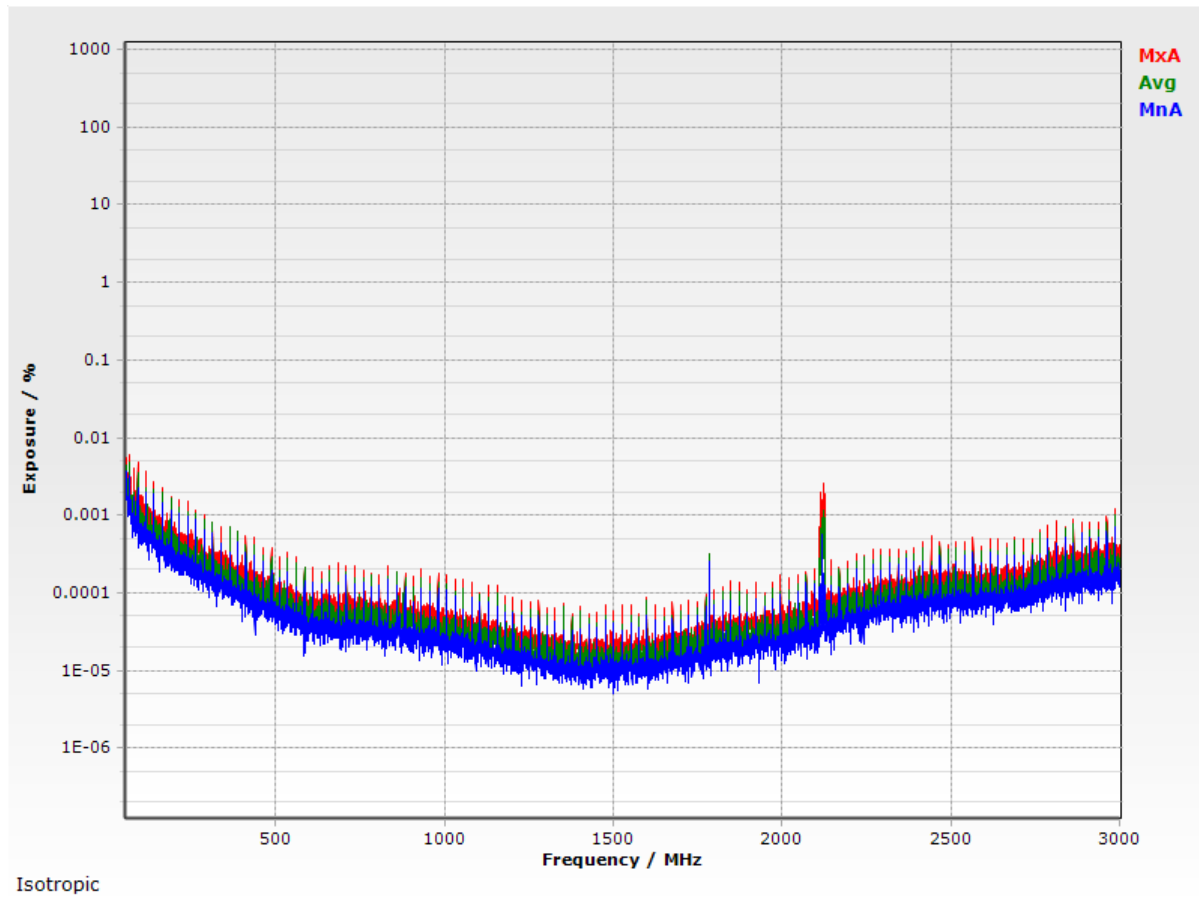
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	54.617 947 MHz	0.006 24 %	0.006 18 %	0.001 8 %
2	66.001 406 MHz	0.005 93 %	0.004 81 %	0.003 24 %
3	59.975 693 MHz	0.005 57 %	0.004 36 %	0.003 61 %
4	92.040 575 MHz	0.004 94 %	0.003 54 %	0.002 25 %
5	57.056 677 MHz	0.004 29 %	0.001 82 %	0.001 7 %
6	56.051 077 MHz	0.004 18 %	0.003 25 %	0.002 2 %
7	79.937 304 MHz	0.003 98 %	0.001 94 %	0.001 57 %
8	116.028 008 MHz	0.003 68 %	0.002 23 %	0.001 95 %
9	63.025 461 MHz	0.003 53 %	0.002 73 %	0.001 53 %
10	61.282 435 MHz	0.003 38 %	0.002 98 %	0.001 7 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	25
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'26.4" N GPS Longitude71°0'33.6" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:39:35
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	25
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	54
GPS Latitude	41°38'26.4" N
GPS Longitude	71°0'33.6" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:40:09

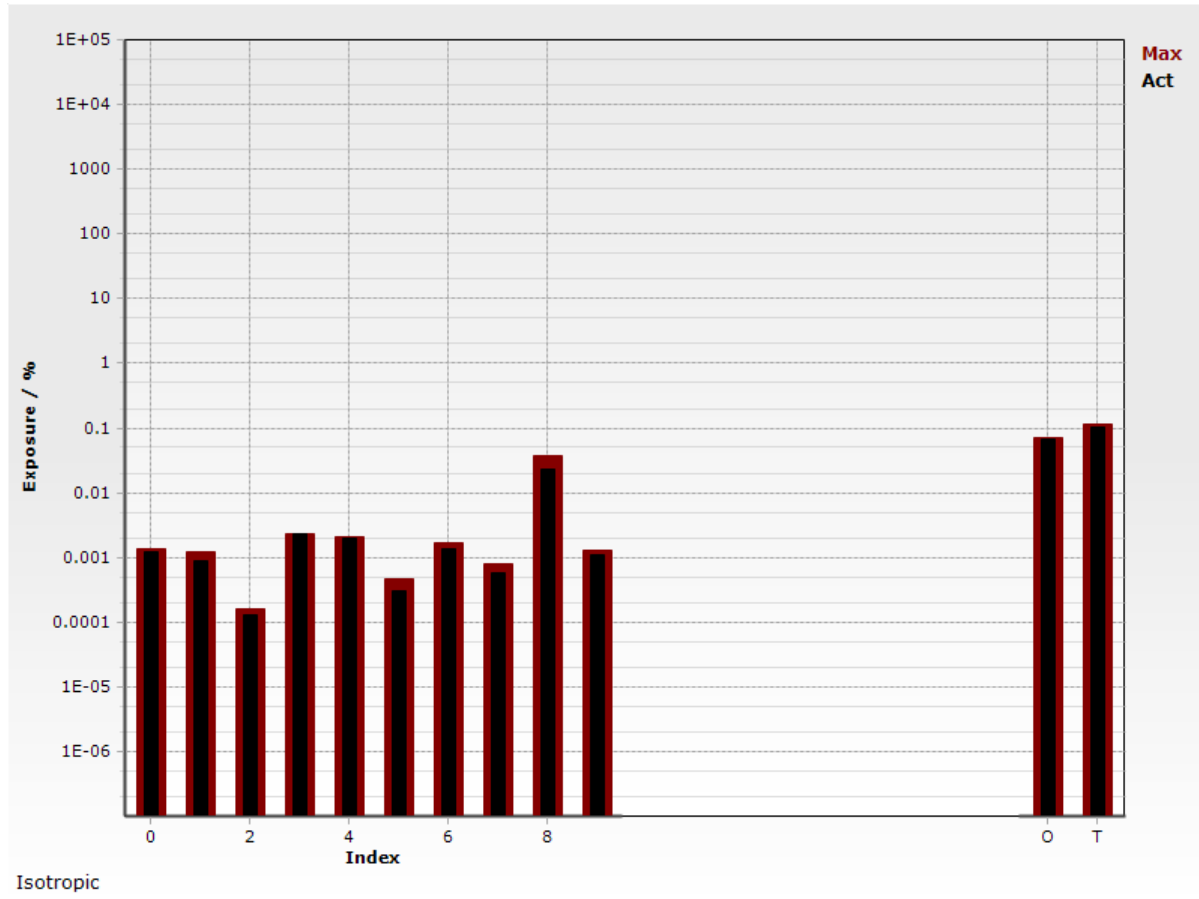
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 19 %	0.001 39 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 9 %	0.001 24 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 13 %	0.000 16 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 28 %	0.002 28 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 94 %	0.002 12 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 31 %	0.000 48 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 38 %	0.001 65 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 56 %	0.000 78 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.023 %	0.036 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 1 %	0.001 29 %
	Others			0.069 %	0.069 %
	Total			0.102 %	0.115 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 916 ms No. of Runs: 13
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'26.4" N GPS Longitude 71°0'33.1" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:40:09
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	916 ms
No. of Runs	13
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	57
GPS Latitude	41°38'26.4" N
GPS Longitude	71°0'33.1" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:40:36

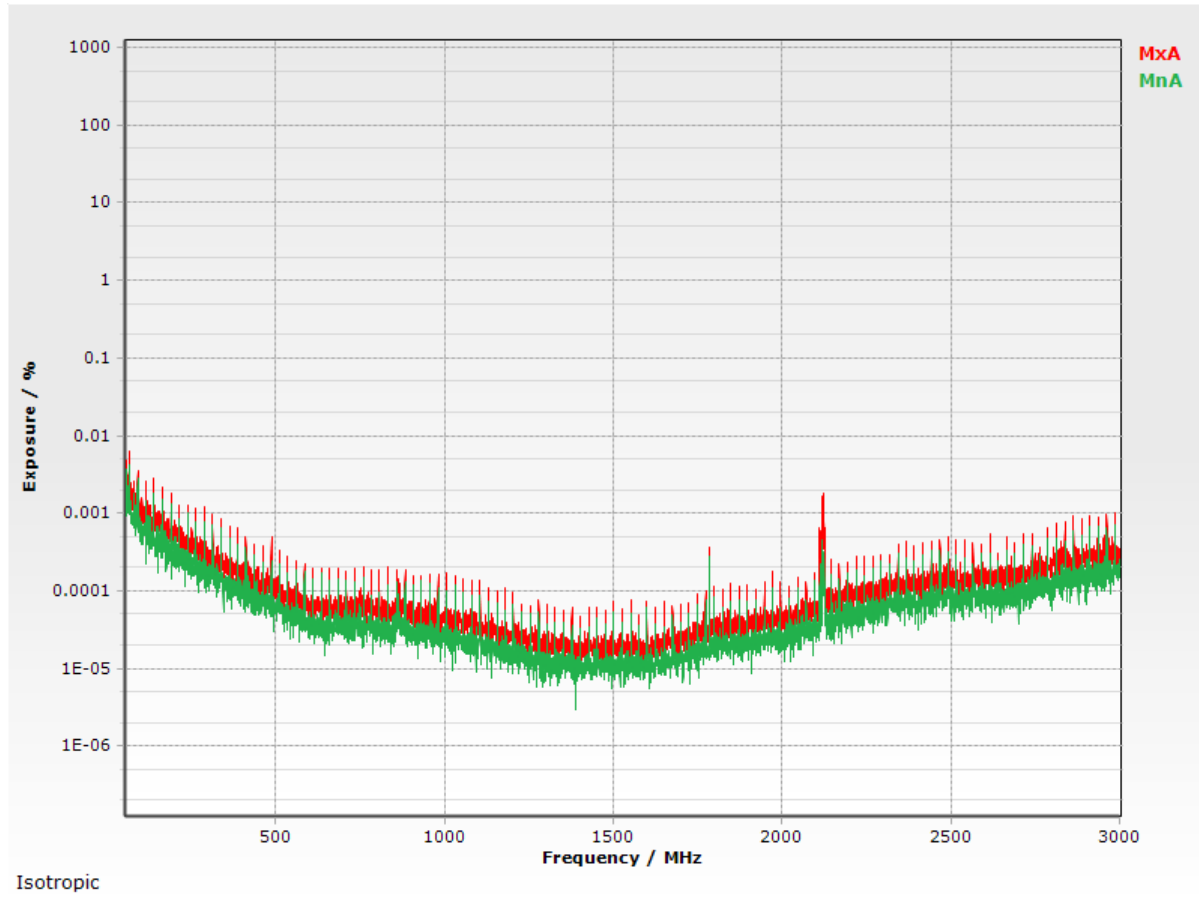
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	MnA
1	54.213 336 MHz	0.006 55 %	0.003 03 %
2	66.023 719 MHz	0.006 41 %	0.004 13 %
3	59.996 810 MHz	0.004 77 %	0.003 71 %
4	57.206 084 MHz	0.003 87 %	0.002 04 %
5	92.009 548 MHz	0.003 55 %	0.002 78 %
6	58.424 356 MHz	0.003 54 %	0.001 96 %
7	62.116 541 MHz	0.003 16 %	0.001 47 %
8	56.597 168 MHz	0.003 13 %	0.001 47 %
9	62.992 807 MHz	0.003 03 %	0.002 25 %
10	55.992 153 MHz	0.002 88 %	0.001 87 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	15
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'26.4" N GPS Longitude71°0'33.1" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:40:36
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	15
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	55
GPS Latitude	41°38'26.4" N
GPS Longitude	71°0'33.1" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	14:41:37

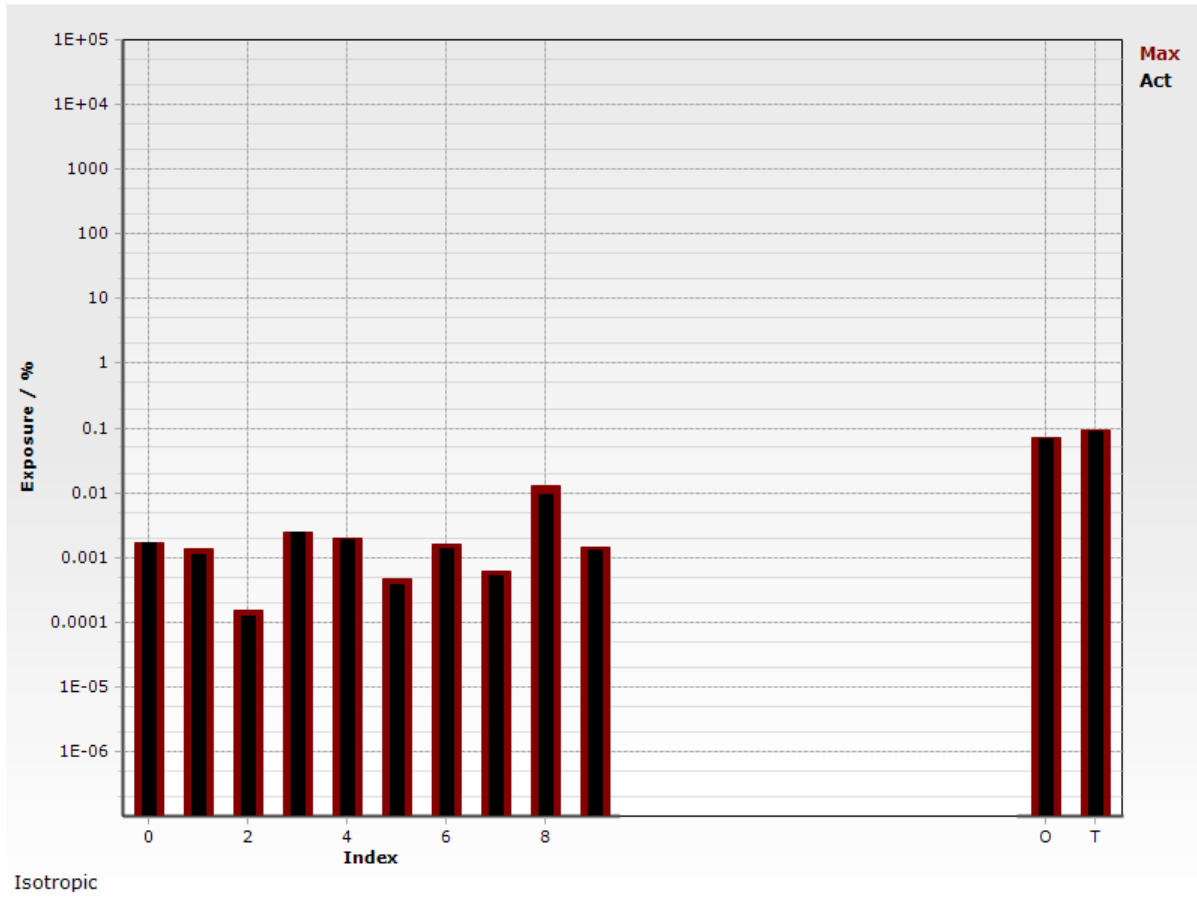
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 69 %	0.001 72 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 08 %	0.001 39 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 15 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 49 %	0.002 49 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 85 %	0.001 95 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 37 %	0.000 46 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 32 %	0.001 61 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 53 %	0.000 6 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.009 23 %	0.013 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 31 %	0.001 4 %
	Others			0.068 %	0.069 %
	Total			0.088 %	0.091 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 928 ms No. of Runs: 8
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'26.7" N GPS Longitude 71°0'30.3" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	14:41:37
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	928 ms
No. of Runs	8
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	56
GPS Latitude	41°38'26.7" N
GPS Longitude	71°0'30.3" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	14:41:52

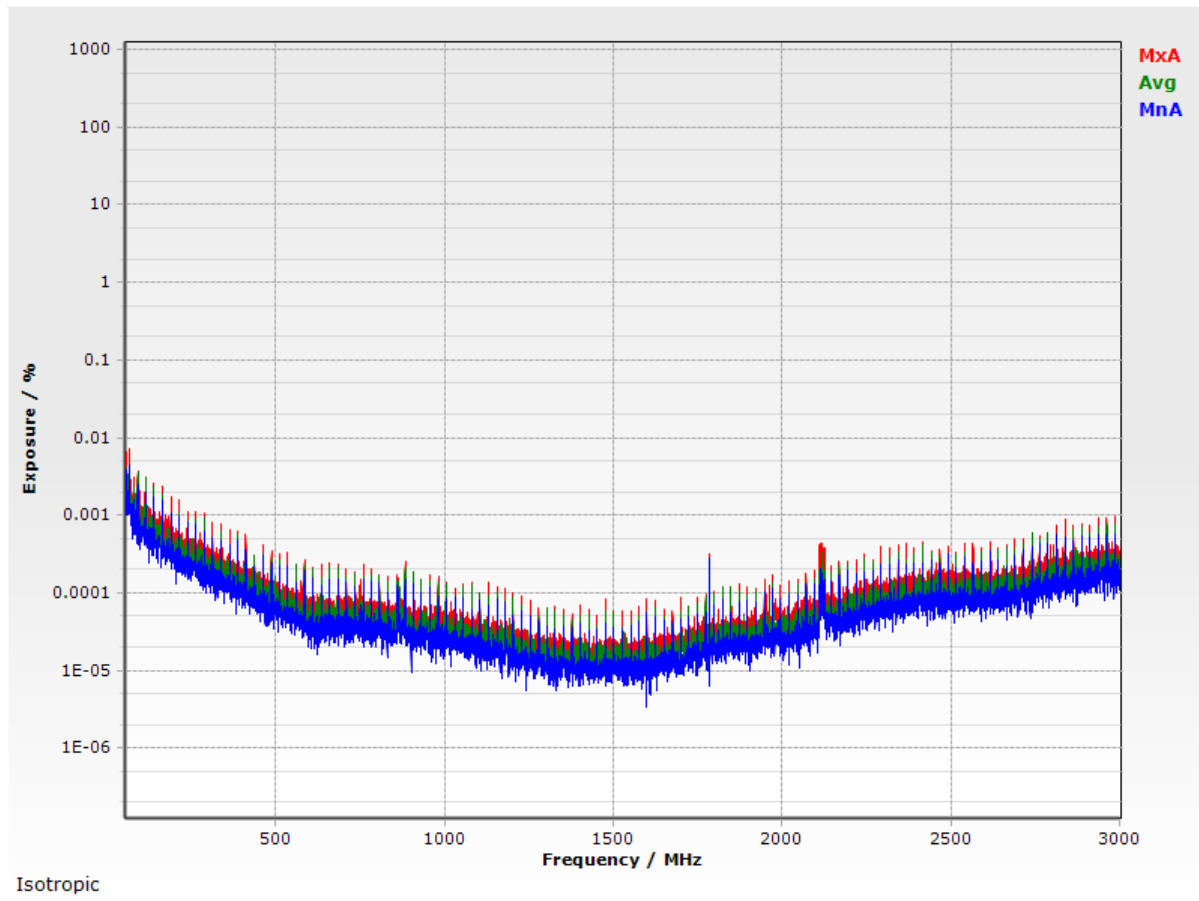
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.997 335 MHz	0.007 29 %	0.004 31 %	0.004 3 %
2	59.971 973 MHz	0.006 47 %	0.003 95 %	0.003 73 %
3	55.753 347 MHz	0.004 42 %	0.003 85 %	0.001 57 %
4	91.971 336 MHz	0.003 71 %	0.003 46 %	0.002 46 %
5	58.094 905 MHz	0.003 64 %	0.002 48 %	0.001 88 %
6	55.082 006 MHz	0.003 56 %	0.001 86 %	0.001 66 %
7	57.071 667 MHz	0.003 55 %	0.003 01 %	0.001 71 %
8	56.620 507 MHz	0.003 52 %	0.002 36 %	0.001 99 %
9	58.689 541 MHz	0.003 52 %	0.002 63 %	0.001 94 %
10	62.811 528 MHz	0.003 39 %	0.003 31 %	0.002 02 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	17
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'26.7" N GPS Longitude71°0'30.3" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	14:41:52
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	17
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	57
GPS Latitude	41°38'26.7" N
GPS Longitude	71°0'30.3" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:31:51

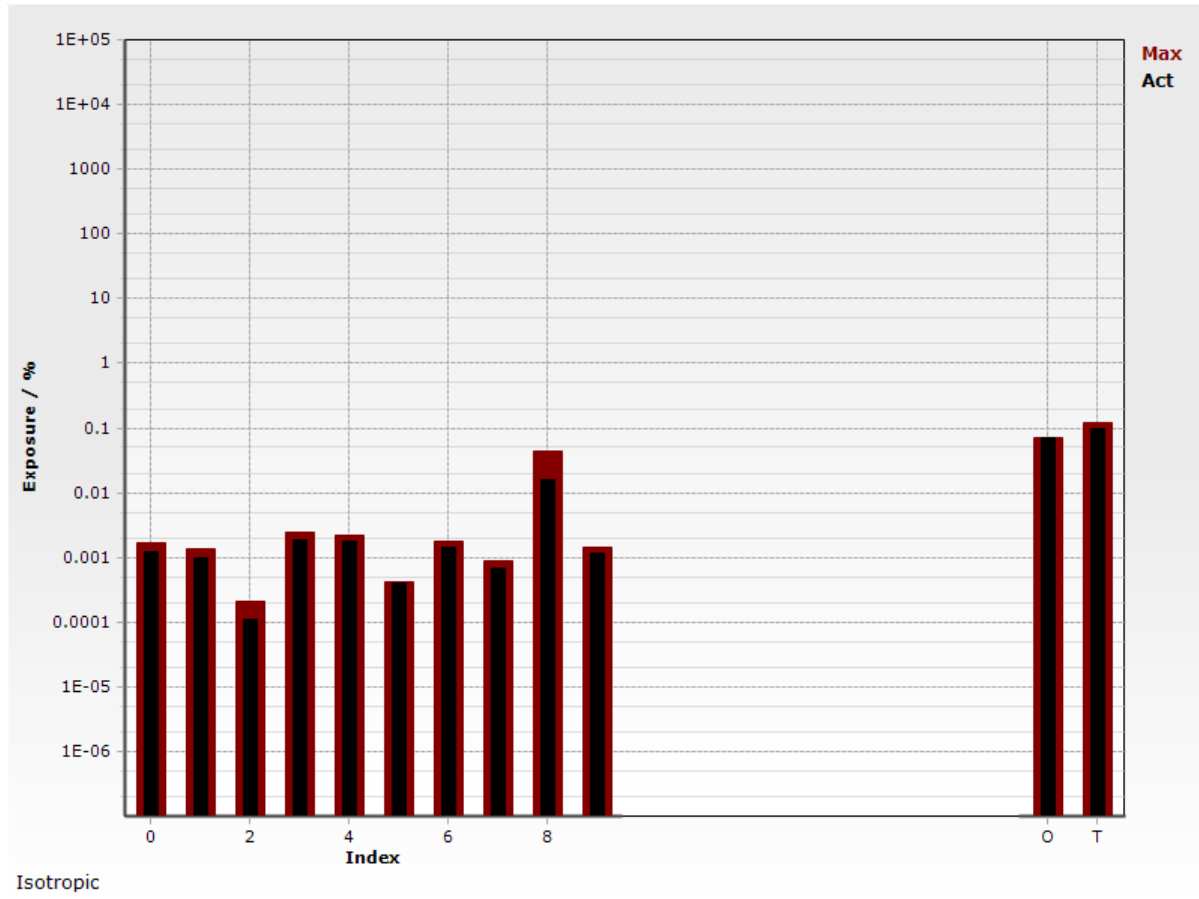
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 22 %	0.001 72 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 97 %	0.001 34 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 11 %	0.000 21 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 9 %	0.002 42 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 76 %	0.002 21 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 4 %	0.000 42 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 41 %	0.001 79 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 67 %	0.000 86 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.016 %	0.043 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 13 %	0.001 42 %
	Others			0.07 %	0.072 %
	Total			0.096 %	0.124 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 901 ms No. of Runs: 35
 Noise Suppr.: Off AVG: 4 (100 %)

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:31:51
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	901 ms
No. of Runs	35
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	No
GPS Quality	GPS
Satellites in use	0
GPS Fix	2D
GPS Altitude	---
GPS Latitude	0.0
GPS Longitude	0.0
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:32:04

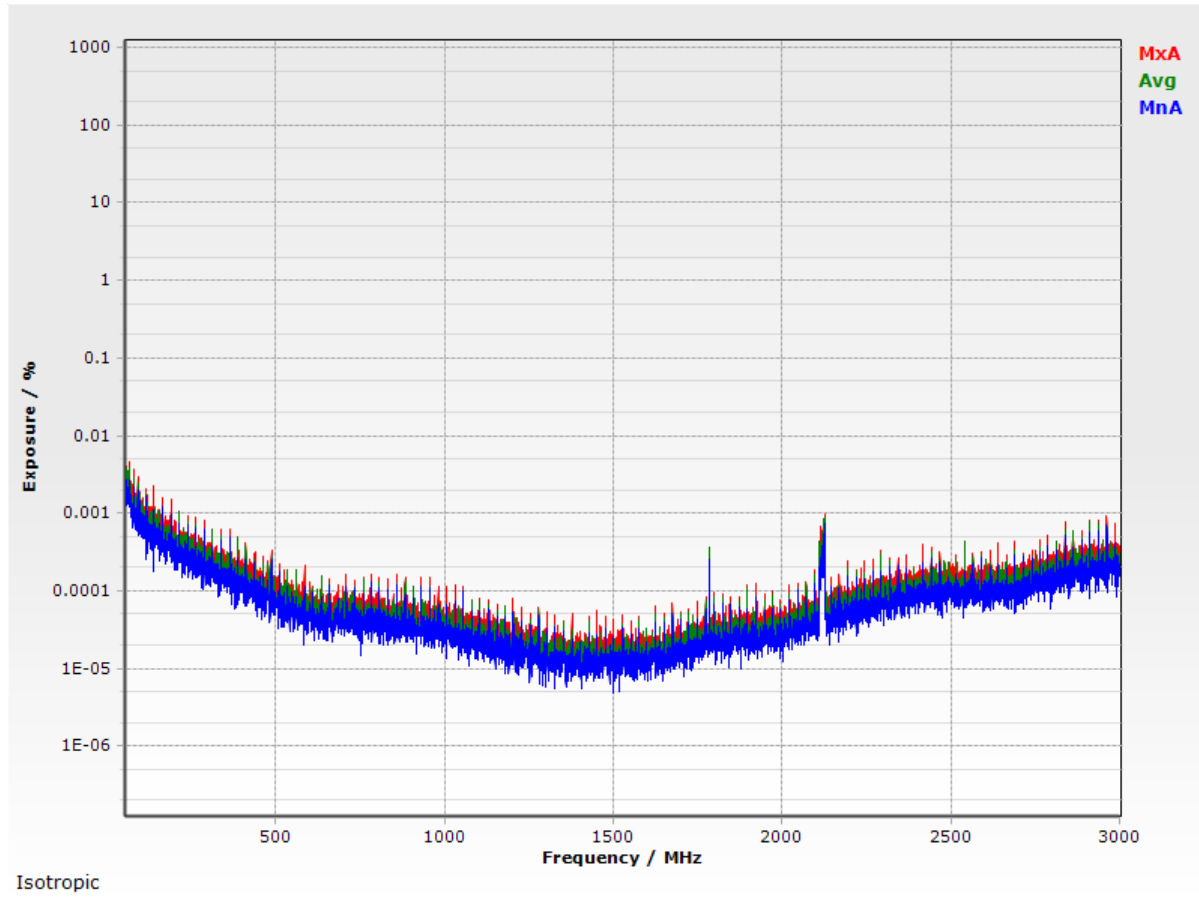
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.925 597 MHz	0.004 63 %	0.003 91 %	0.002 56 %
2	60.005 510 MHz	0.004 04 %	0.003 88 %	0.002 73 %
3	56.829 368 MHz	0.004 03 %	0.002 75 %	0.002 59 %
4	54.330 773 MHz	0.003 98 %	0.004 12 %	0.002 53 %
5	58.423 929 MHz	0.003 65 %	0.003 01 %	0.002 35 %
6	79.999 538 MHz	0.003 65 %	0.002 43 %	0.002 2 %
7	60.704 088 MHz	0.003 49 %	0.003 49 %	0.001 59 %
8	56.262 802 MHz	0.003 25 %	0.002 31 %	0.001 81 %
9	63.172 576 MHz	0.003 2 %	0.003 12 %	0.001 43 %
10	55.299 822 MHz	0.003 03 %	0.001 88 %	0.001 55 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	12
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:32:04
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	12
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	No
GPS Quality	GPS
Satellites in use	0
GPS Fix	2D
GPS Altitude	---
GPS Latitude	0.0
GPS Longitude	0.0
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:32:31

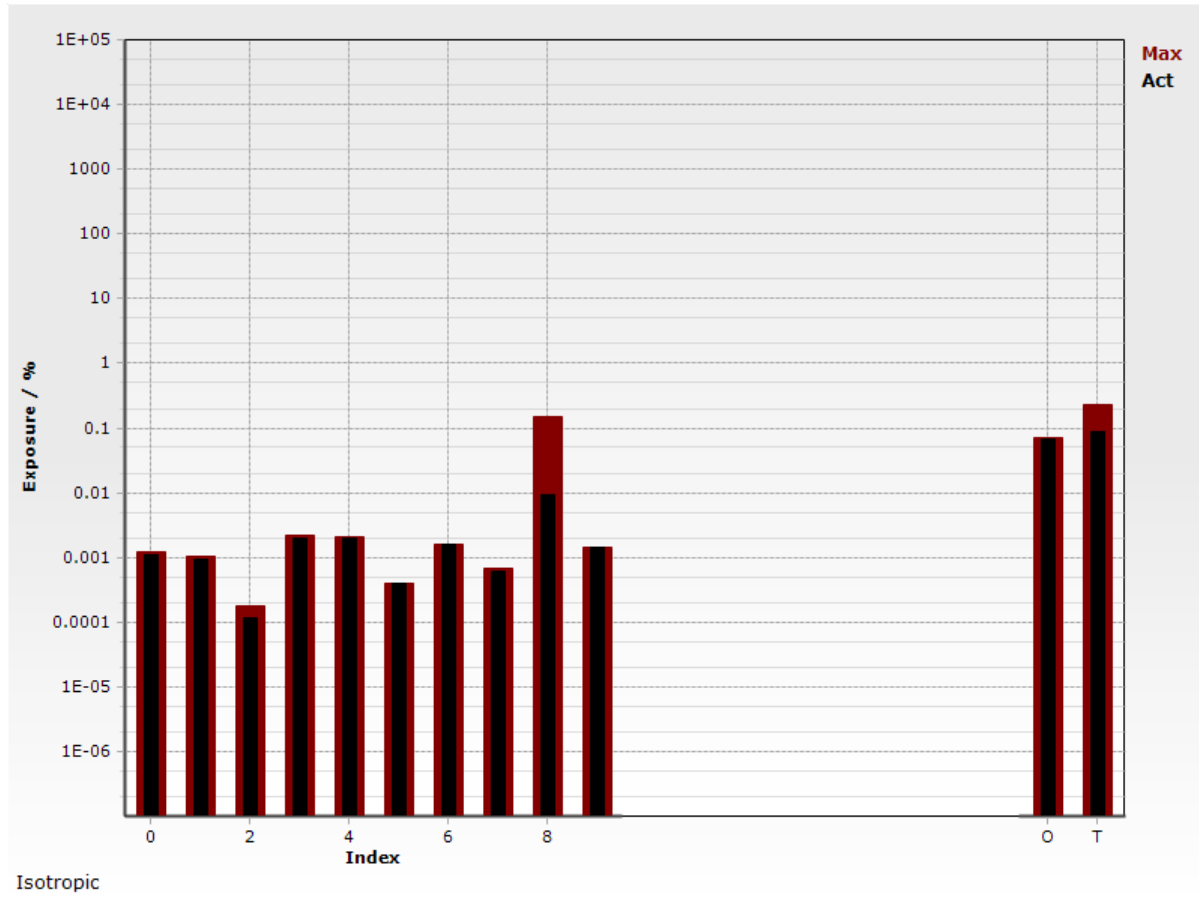
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 07 %	0.001 24 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 93 %	0.001 02 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 17 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 92 %	0.002 24 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 95 %	0.002 05 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 4 %	0.000 4 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 57 %	0.001 57 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 61 %	0.000 67 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.009 22 %	0.151 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 41 %	0.001 41 %
	Others			0.069 %	0.07 %
	Total			0.088 %	0.23 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 928 ms No. of Runs: 5
Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°39'06.6" N GPS Longitude70°59'16.7" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:32:31
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	928 ms
No. of Runs	5
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	5
GPS Fix	3D
GPS Altitude	31
GPS Latitude	41°39'06.6" N
GPS Longitude	70°59'16.7" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:32:56

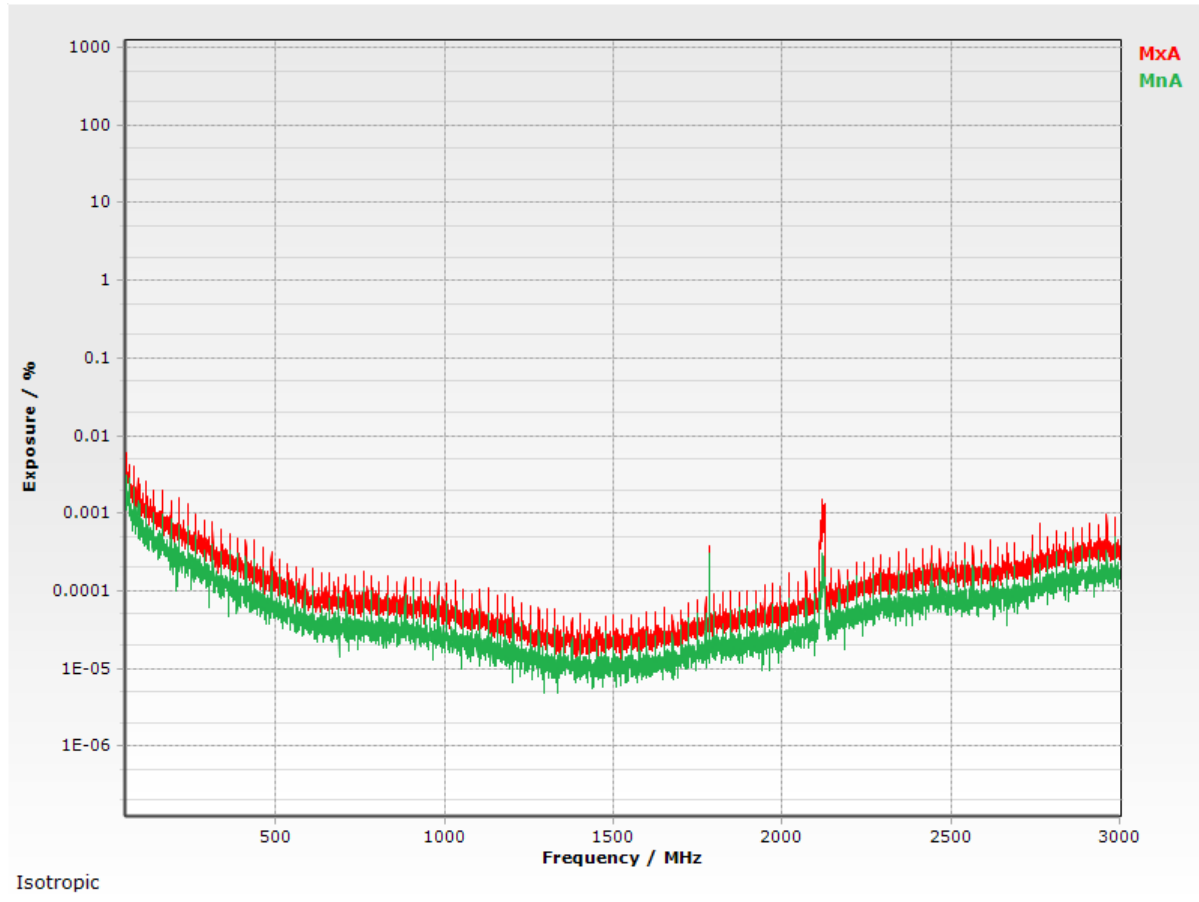
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	MnA
1	59.946 052 MHz	0.005 99 %	0.003 04 %
2	56.257 704 MHz	0.004 66 %	0.002 27 %
3	55.050 943 MHz	0.004 38 %	0.002 05 %
4	65.933 712 MHz	0.004 32 %	0.002 77 %
5	79.933 068 MHz	0.004 1 %	0.002 18 %
6	58.263 167 MHz	0.003 82 %	0.001 83 %
7	58.993 351 MHz	0.003 81 %	0.001 54 %
8	61.176 883 MHz	0.003 39 %	0.001 37 %
9	63.079 263 MHz	0.003 26 %	0.001 38 %
10	66.967 945 MHz	0.003 14 %	0.001 4 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	29
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°39'06.7" N GPS Longitude 70°59'16.8" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:32:56
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	29
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	33
GPS Latitude	41°39'06.7" N
GPS Longitude	70°59'16.8" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:33:31

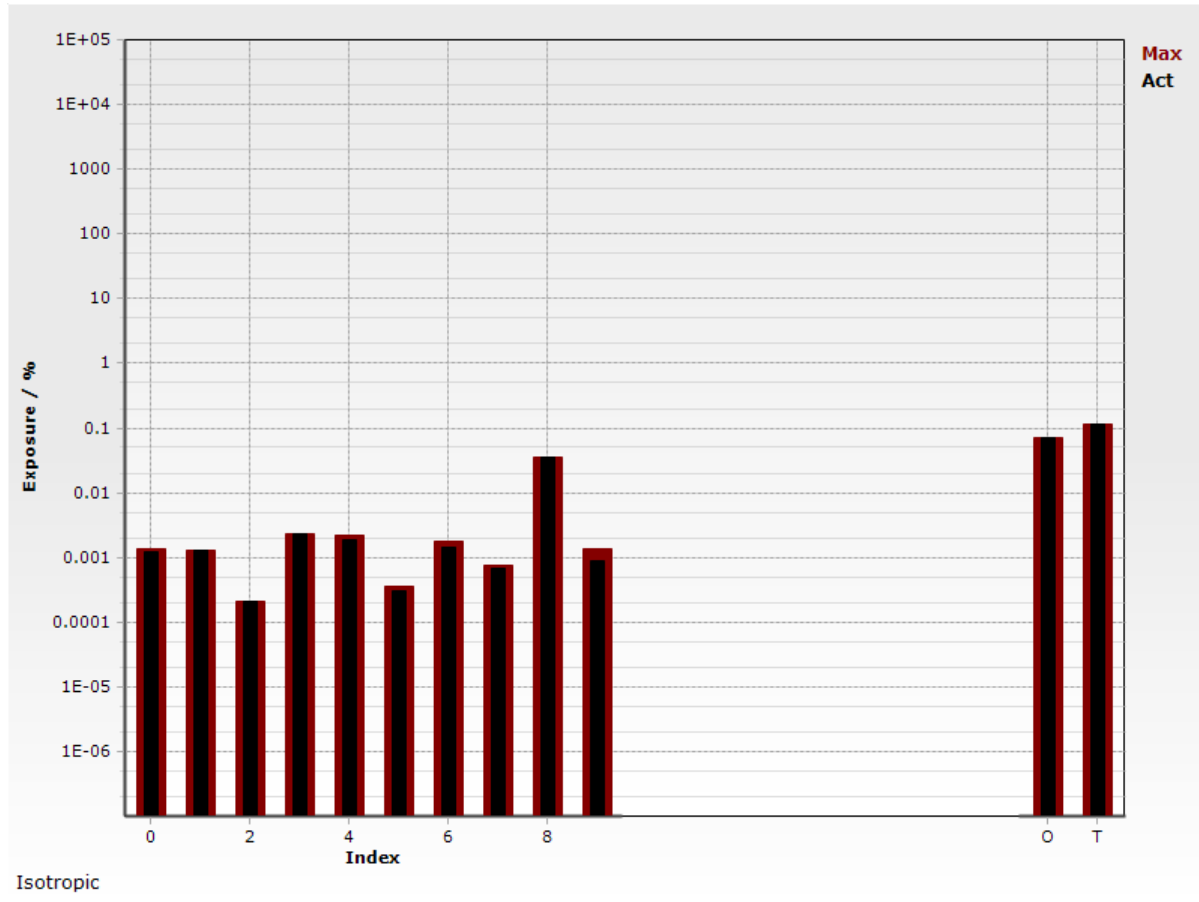
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 19 %	0.001 34 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 3 %	0.001 3 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 21 %	0.000 21 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 26 %	0.002 33 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 9 %	0.002 18 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 3 %	0.000 36 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 45 %	0.001 74 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 67 %	0.000 76 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.034 %	0.034 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.000 87 %	0.001 35 %
	Others			0.07 %	0.072 %
	Total			0.115 %	0.115 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 916 ms No. of Runs: 12
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°39'07.2" N GPS Longitude70°59'16.4" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:33:31
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	916 ms
No. of Runs	12
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	9
GPS Fix	3D
GPS Altitude	34
GPS Latitude	41°39'07.2" N
GPS Longitude	70°59'16.4" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:35:13

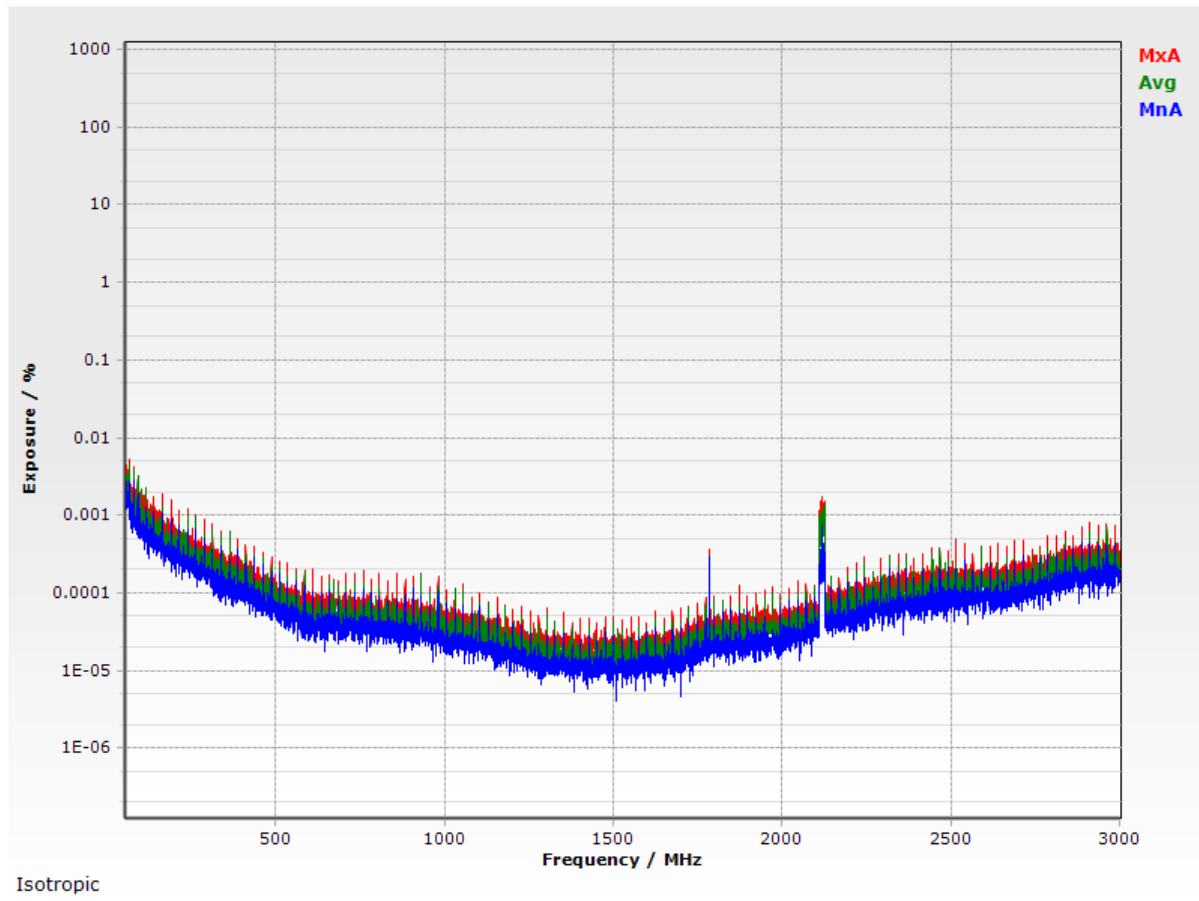
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.936 626 MHz	0.005 44 %	0.004 67 %	0.002 71 %
2	60.013 002 MHz	0.004 45 %	0.003 23 %	0.002 71 %
3	56.470 881 MHz	0.004 37 %	0.003 27 %	0.001 79 %
4	79.974 334 MHz	0.004 26 %	0.003 67 %	0.002 82 %
5	55.670 324 MHz	0.004 02 %	0.003 47 %	0.001 67 %
6	61.380 083 MHz	0.003 95 %	0.002 58 %	0.001 68 %
7	55.363 028 MHz	0.003 86 %	0.002 76 %	0.002 34 %
8	56.971 469 MHz	0.003 78 %	0.002 73 %	0.001 65 %
9	62.844 762 MHz	0.003 78 %	0.001 69 %	0.001 69 %
10	65.155 607 MHz	0.003 61 %	0.001 78 %	0.001 39 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	22
Meas. Range:	125 %	Sweep Time:	604 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°39'07.1" N GPS Longitude70°59'16.8" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:35:13
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	604 ms
No. of Runs	22
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	32
GPS Latitude	41°39'07.1" N
GPS Longitude	70°59'16.8" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:35:23

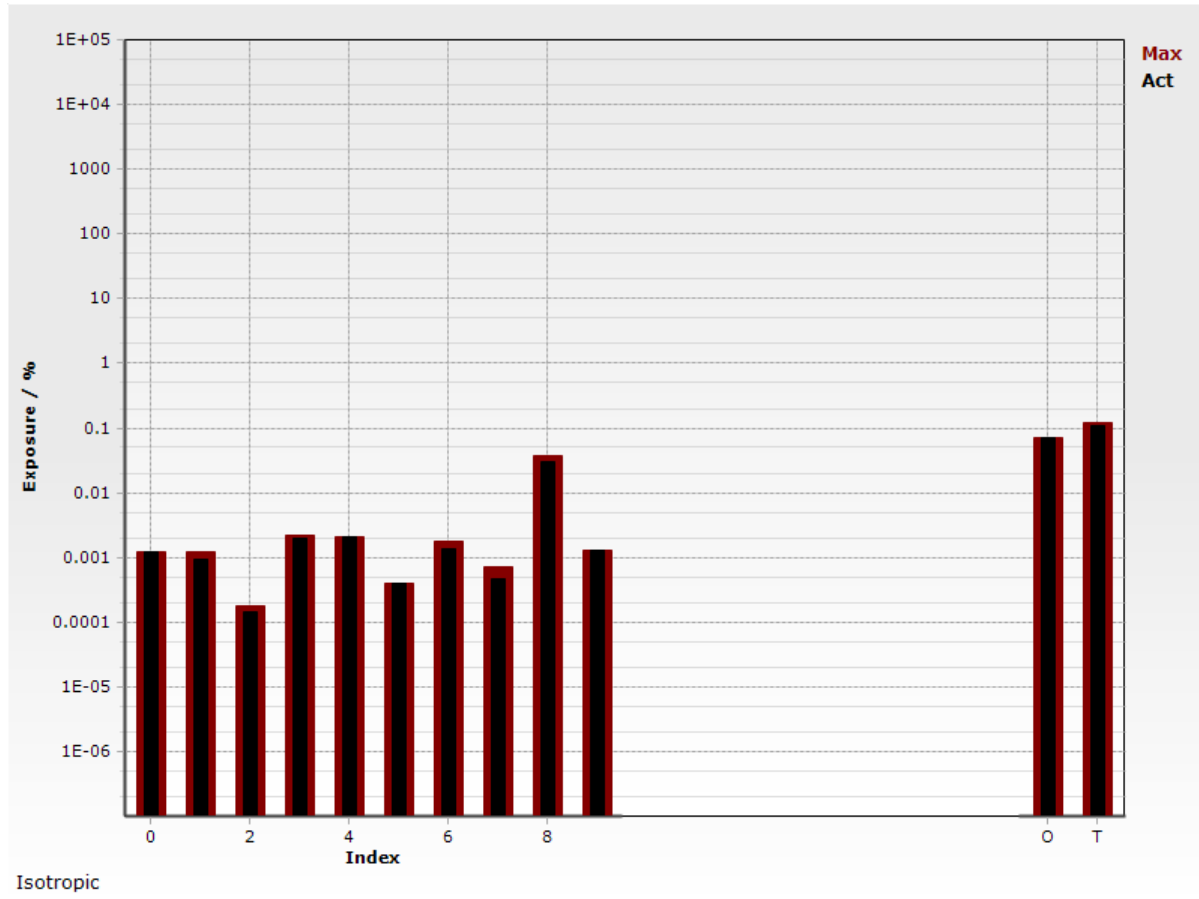
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 22 %	0.001 23 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 93 %	0.001 25 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 14 %	0.000 18 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 95 %	0.002 18 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.002 04 %	0.002 08 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 39 %	0.000 4 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 35 %	0.001 8 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 48 %	0.000 71 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.031 %	0.038 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 28 %	0.001 29 %
	Others			0.07 %	0.071 %
	Total			0.11 %	0.118 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 950 ms No. of Runs: 5
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°39'07.1" N GPS Longitude 70°59'16.8" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:35:23
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	950 ms
No. of Runs	5
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	32
GPS Latitude	41°39'07.1" N
GPS Longitude	70°59'16.8" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:36:29

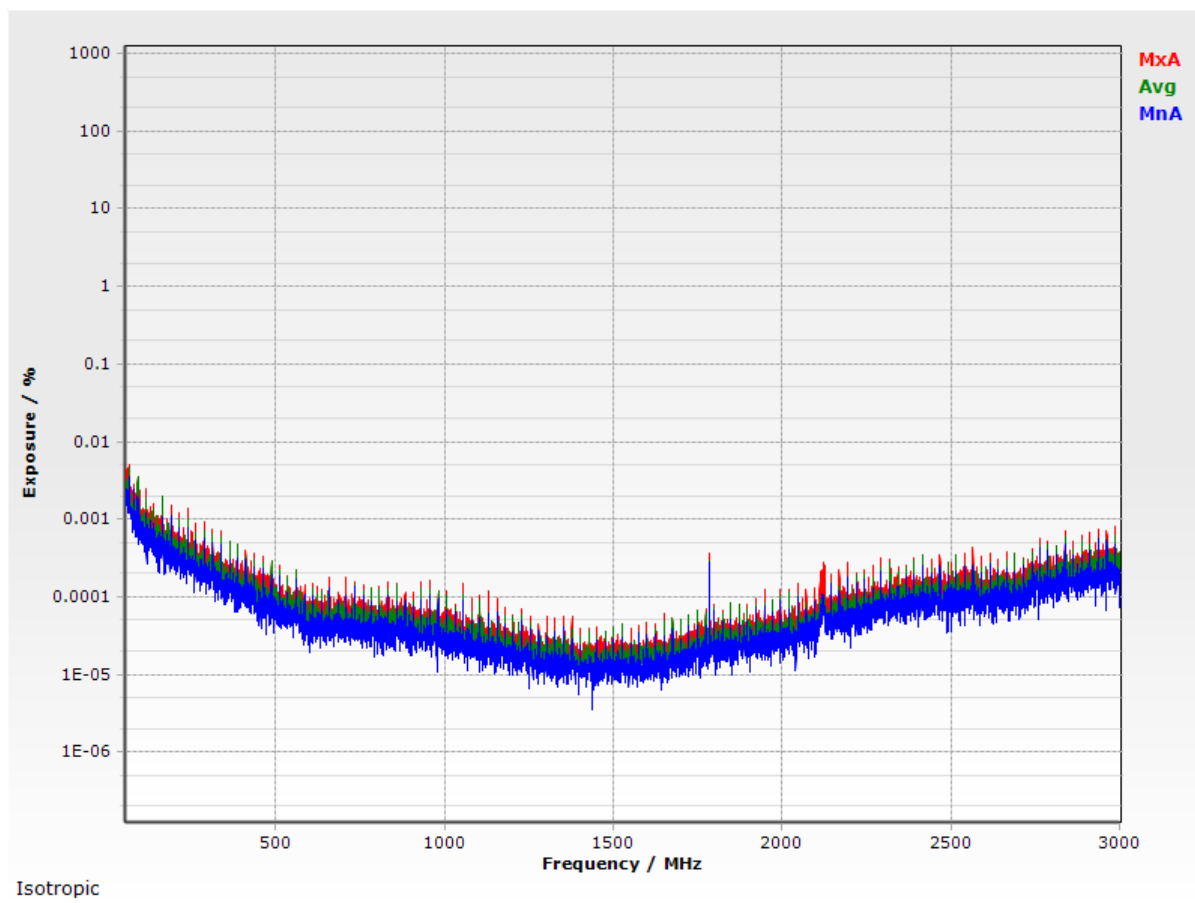
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	54.648 637 MHz	0.005 21 %	0.002 91 %	0.002 26 %
2	65.995 218 MHz	0.005 08 %	0.004 66 %	0.003 53 %
3	61.047 951 MHz	0.004 65 %	0.001 95 %	0.001 9 %
4	57.411 532 MHz	0.004 5 %	0.002 92 %	0.002 22 %
5	60.080 160 MHz	0.004 29 %	0.003 07 %	0.002 5 %
6	55.495 683 MHz	0.003 84 %	0.003 24 %	0.002 91 %
7	59.320 852 MHz	0.003 75 %	0.002 14 %	0.002 19 %
8	91.958 079 MHz	0.003 48 %	0.003 48 %	0.001 89 %
9	56.594 653 MHz	0.003 2 %	0.001 54 %	0.001 54 %
10	66.950 372 MHz	0.003 16 %	0.002 22 %	0.002 06 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	13
Meas. Range:	125 %	Sweep Time:	604 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°39'09.0" N GPS Longitude70°59'17.0" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:36:29
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	604 ms
No. of Runs	13
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	35
GPS Latitude	41°39'09.0" N
GPS Longitude	70°59'17.0" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:36:38

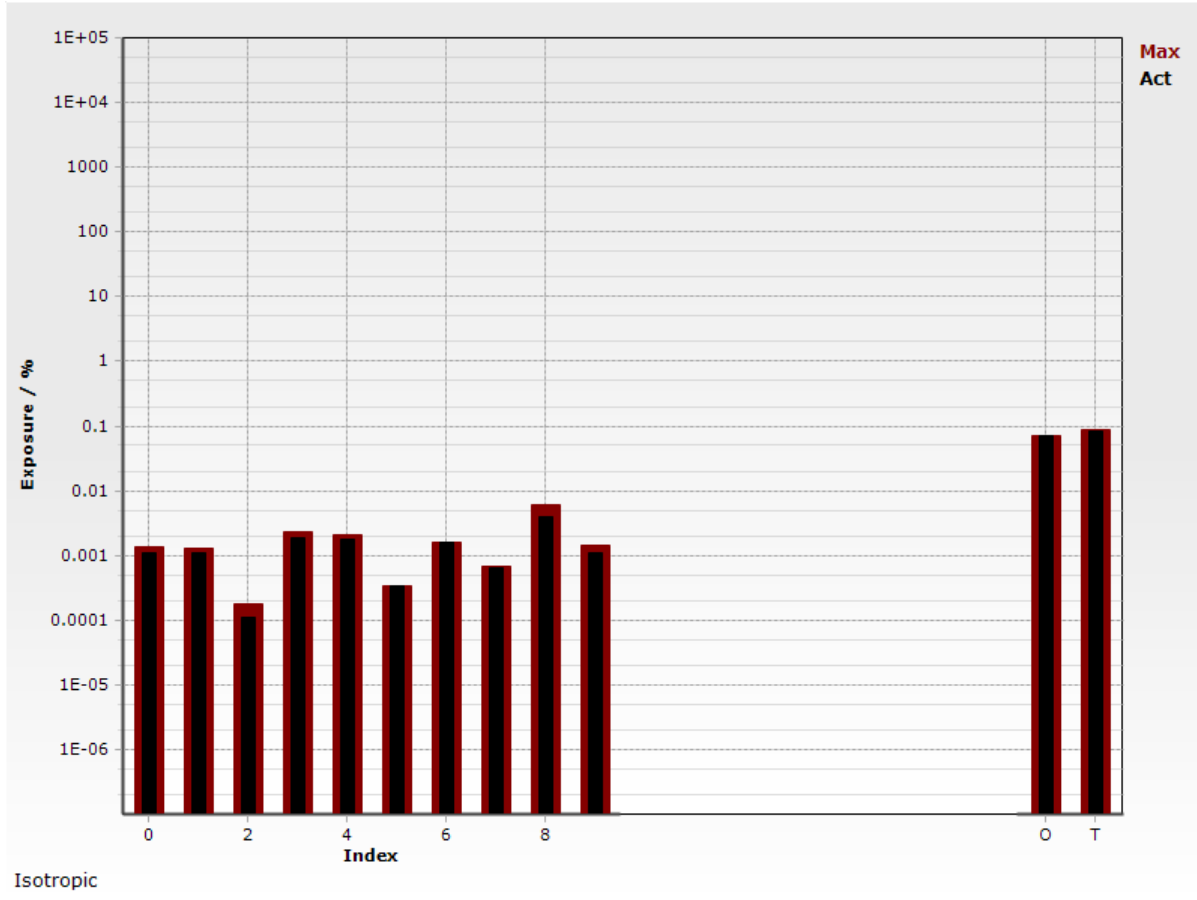
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 1 %	0.001 35 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 09 %	0.001 26 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 11 %	0.000 18 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.001 9 %	0.002 33 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 79 %	0.002 09 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 34 %	0.000 34 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 56 %	0.001 56 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 65 %	0.000 67 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.003 99 %	0.006 13 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 12 %	0.001 45 %
	Others			0.069 %	0.071 %
	Total			0.082 %	0.087 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 941 ms No. of Runs: 6
Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°39'09.0" N GPS Longitude 70°59'17.0" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:36:38
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	941 ms
No. of Runs	6
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	35
GPS Latitude	41°39'09.0" N
GPS Longitude	70°59'17.0" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:44:52

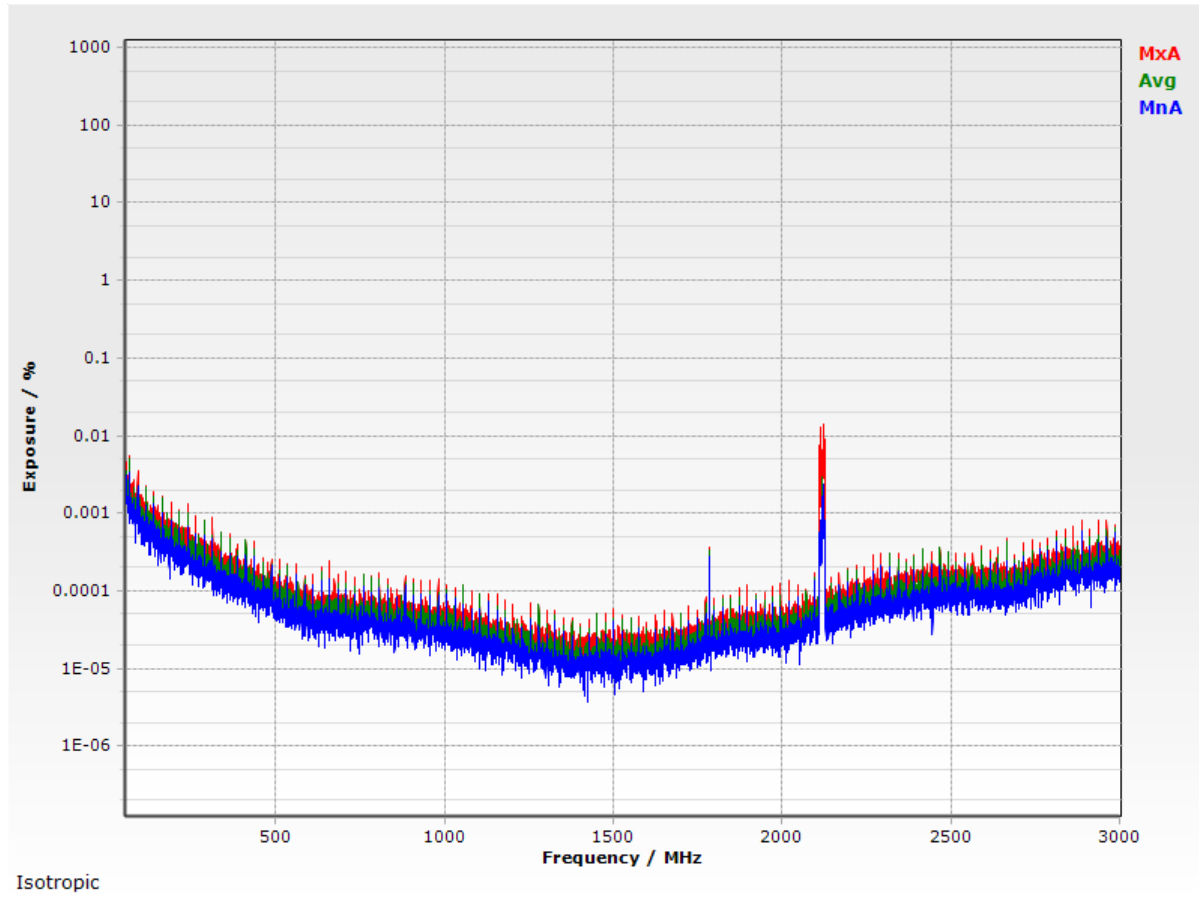
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	2 122.479 943 MHz	0.014 %	0.002 01 %	0.002 01 %
2	2 115.043 083 MHz	0.013 %	0.000 82 %	0.000 82 %
3	2 112.456 164 MHz	0.012 %	0.000 4 %	0.000 4 %
4	2 124.412 181 MHz	0.01 %	0.000 74 %	0.000 74 %
5	2 128.000 000 MHz	0.009 1 %	0.000 51 %	0.000 51 %
6	2 114.324 718 MHz	0.008 74 %	0.000 35 %	0.000 35 %
7	2 111.310 151 MHz	0.007 45 %	0.000 56 %	0.000 56 %
8	2 125.267 075 MHz	0.006 82 %	0.000 57 %	0.000 57 %
9	2 118.056 087 MHz	0.006 76 %	0.000 95 %	0.000 8 %
10	2 126.071 182 MHz	0.006 46 %	0.000 78 %	0.000 78 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	17
Meas. Range:	125 %	Sweep Time:	604 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'45.2" N GPS Longitude 70°59'20.0" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:44:52
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	604 ms
No. of Runs	17
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	37
GPS Latitude	41°38'45.2" N
GPS Longitude	70°59'20.0" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:45:04

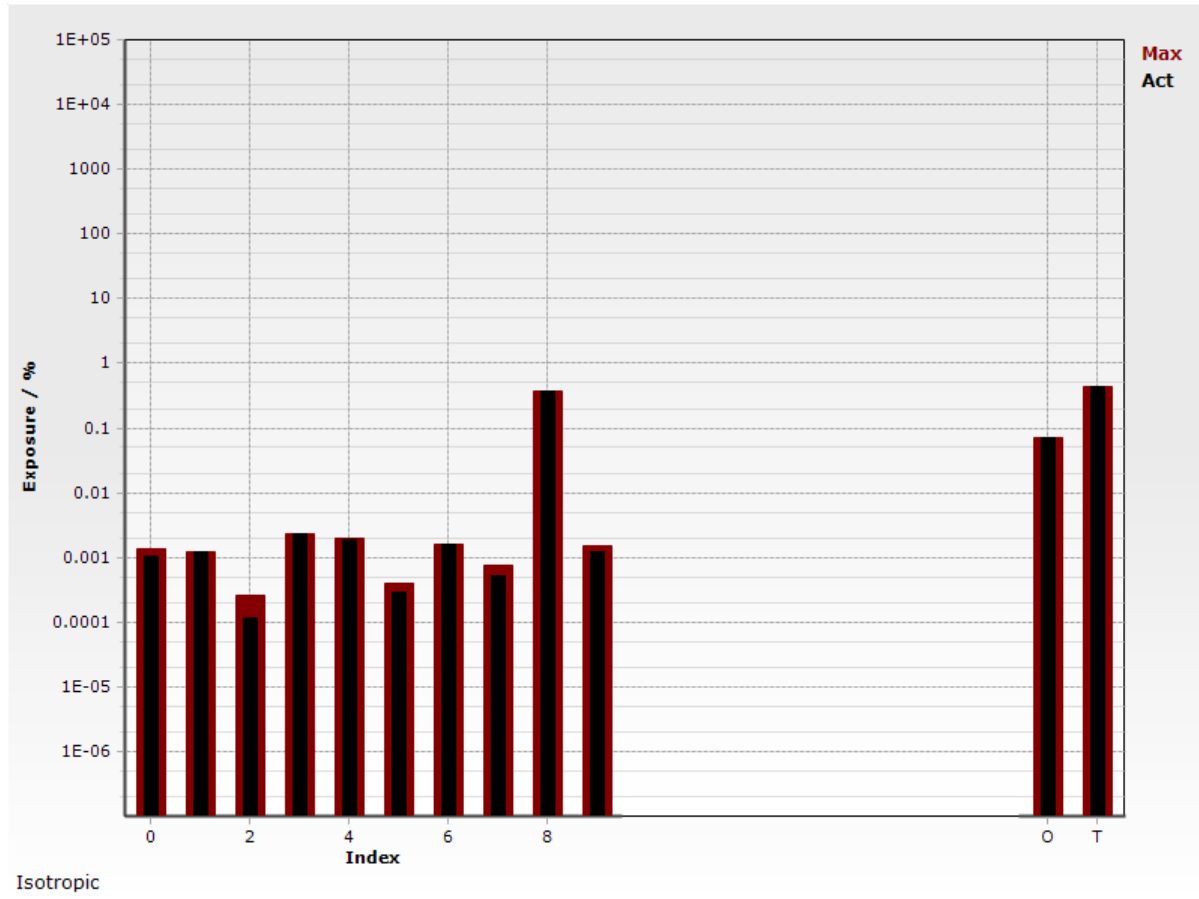
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 02 %	0.001 33 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 23 %	0.001 23 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 26 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 37 %	0.002 37 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 86 %	0.002 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 29 %	0.000 4 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 63 %	0.001 63 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 53 %	0.000 76 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.361 %	0.361 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 19 %	0.001 52 %
	Others			0.069 %	0.07 %
	Total			0.44 %	0.44 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 934 ms No. of Runs: 7
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'45.3" N GPS Longitude 70°59'20.1" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:45:04
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	934 ms
No. of Runs	7
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	35
GPS Latitude	41°38'45.3" N
GPS Longitude	70°59'20.1" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:45:41

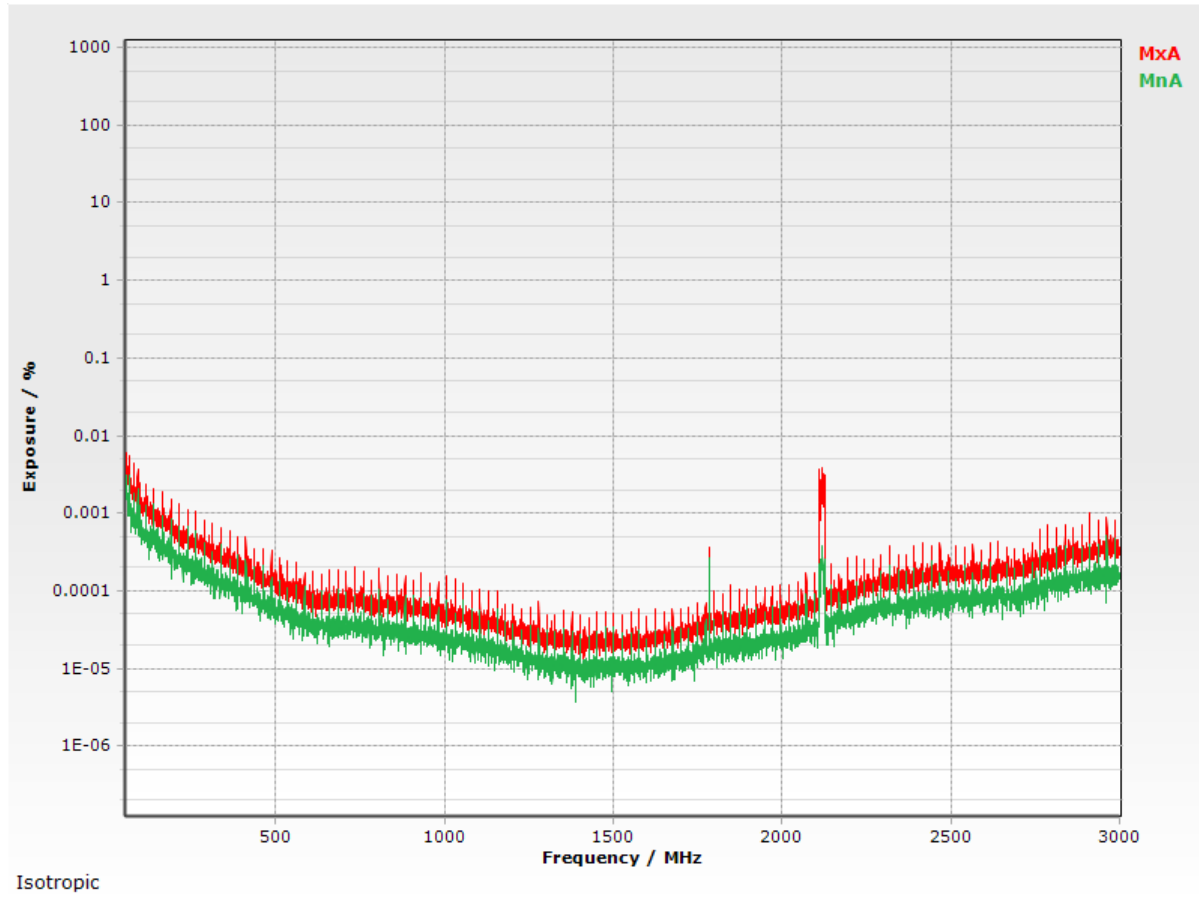
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	MnA
1	59.990 779 MHz	0.005 97 %	0.003 14 %
2	54.499 921 MHz	0.005 81 %	0.001 78 %
3	66.026 847 MHz	0.005 42 %	0.003 01 %
4	68.489 670 MHz	0.004 47 %	0.001 57 %
5	79.967 219 MHz	0.004 39 %	0.001 62 %
6	58.756 277 MHz	0.004 27 %	0.001 64 %
7	56.542 168 MHz	0.004 26 %	0.002 08 %
8	62.580 103 MHz	0.004 04 %	0.001 23 %
9	57.647 614 MHz	0.003 93 %	0.001 92 %
10	2 117.325 425 MHz	0.003 9 %	0.000 25 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	33
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'45.0" N GPS Longitude 70°59'20.0" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:45:41
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	33
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	32
GPS Latitude	41°38'45.0" N
GPS Longitude	70°59'20.0" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:45:58

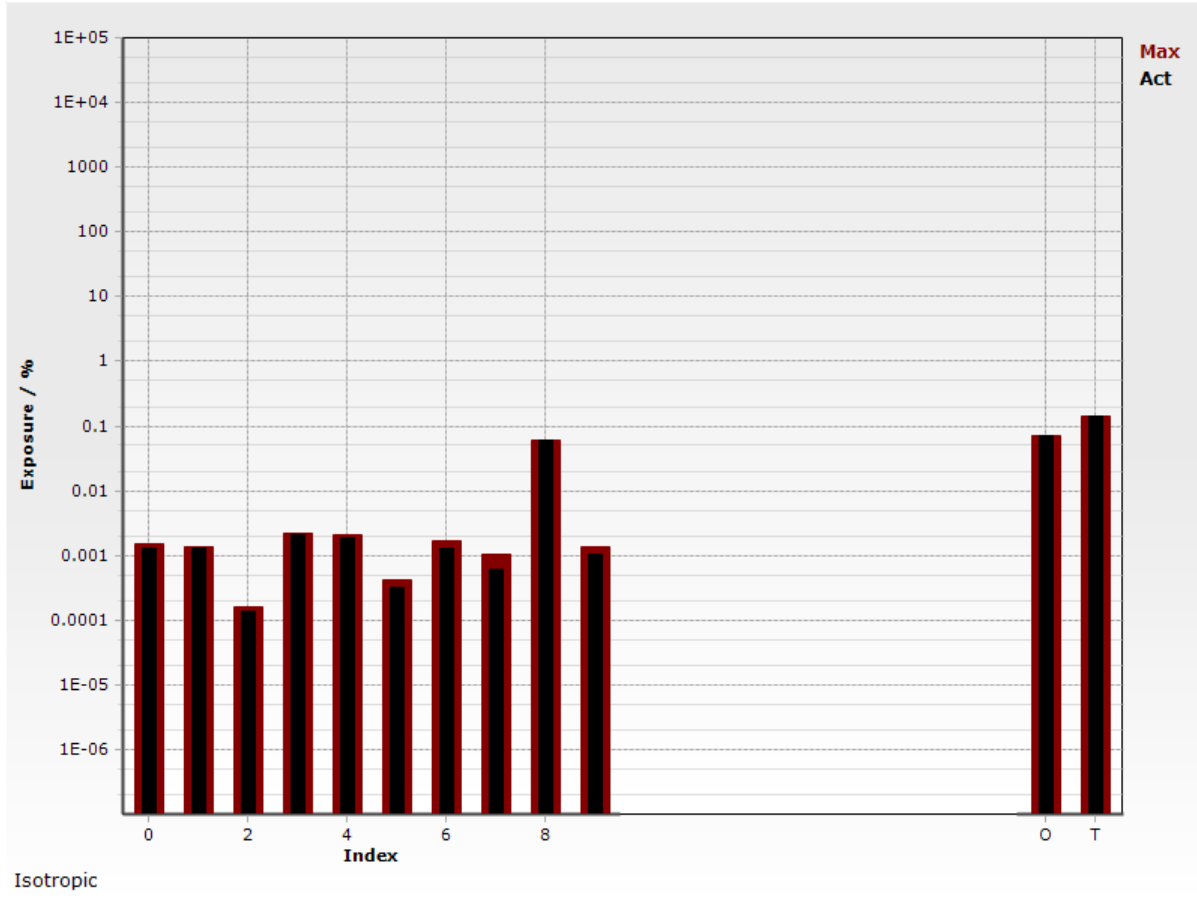
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 28 %	0.001 51 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.001 27 %	0.001 36 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 14 %	0.000 16 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 03 %	0.002 24 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 82 %	0.002 11 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 33 %	0.000 42 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 26 %	0.001 67 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 62 %	0.001 01 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.061 %	0.061 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 01 %	0.001 36 %
	Others			0.069 %	0.07 %
	Total			0.14 %	0.14 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 912 ms No. of Runs: 15
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'45.0" N GPS Longitude70°59'20.0" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:45:58
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	912 ms
No. of Runs	15
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	32
GPS Latitude	41°38'45.0" N
GPS Longitude	70°59'20.0" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:46:45

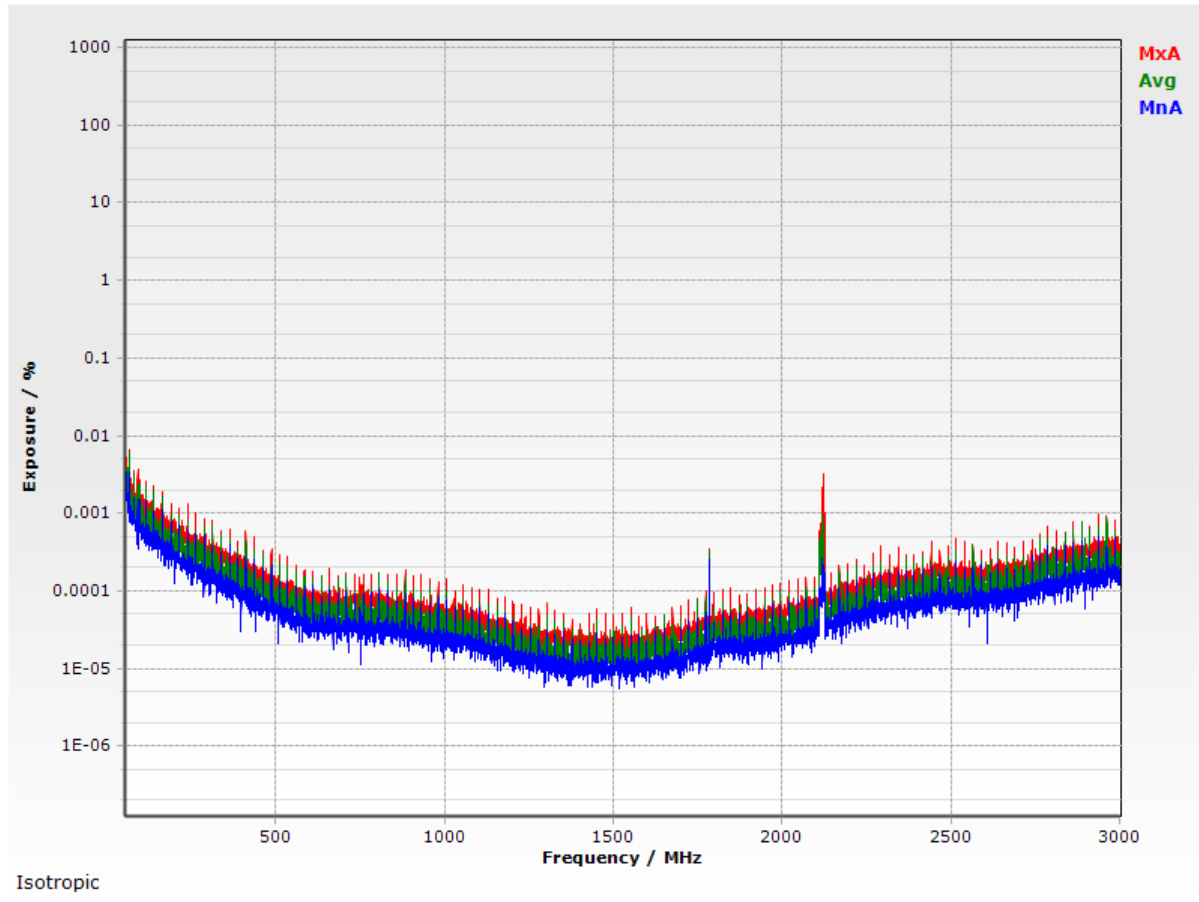
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	65.959 332 MHz	0.006 55 %	0.006 1 %	0.003 36 %
2	59.889 849 MHz	0.005 4 %	0.003 38 %	0.003 21 %
3	58.791 783 MHz	0.004 48 %	0.002 65 %	0.001 69 %
4	54.198 197 MHz	0.004 43 %	0.003 53 %	0.001 95 %
5	55.157 624 MHz	0.004 15 %	0.003 31 %	0.001 51 %
6	56.721 300 MHz	0.003 9 %	0.002 42 %	0.001 57 %
7	62.424 872 MHz	0.003 81 %	0.003 81 %	0.001 57 %
8	79.895 153 MHz	0.003 7 %	0.002 93 %	0.001 35 %
9	91.977 257 MHz	0.003 65 %	0.002 33 %	0.001 52 %
10	56.286 004 MHz	0.003 59 %	0.002 05 %	0.001 61 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	39
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'44.5" N GPS Longitude 70°59'20.0" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:46:45
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	39
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	33
GPS Latitude	41°38'44.5" N
GPS Longitude	70°59'20.0" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:47:18

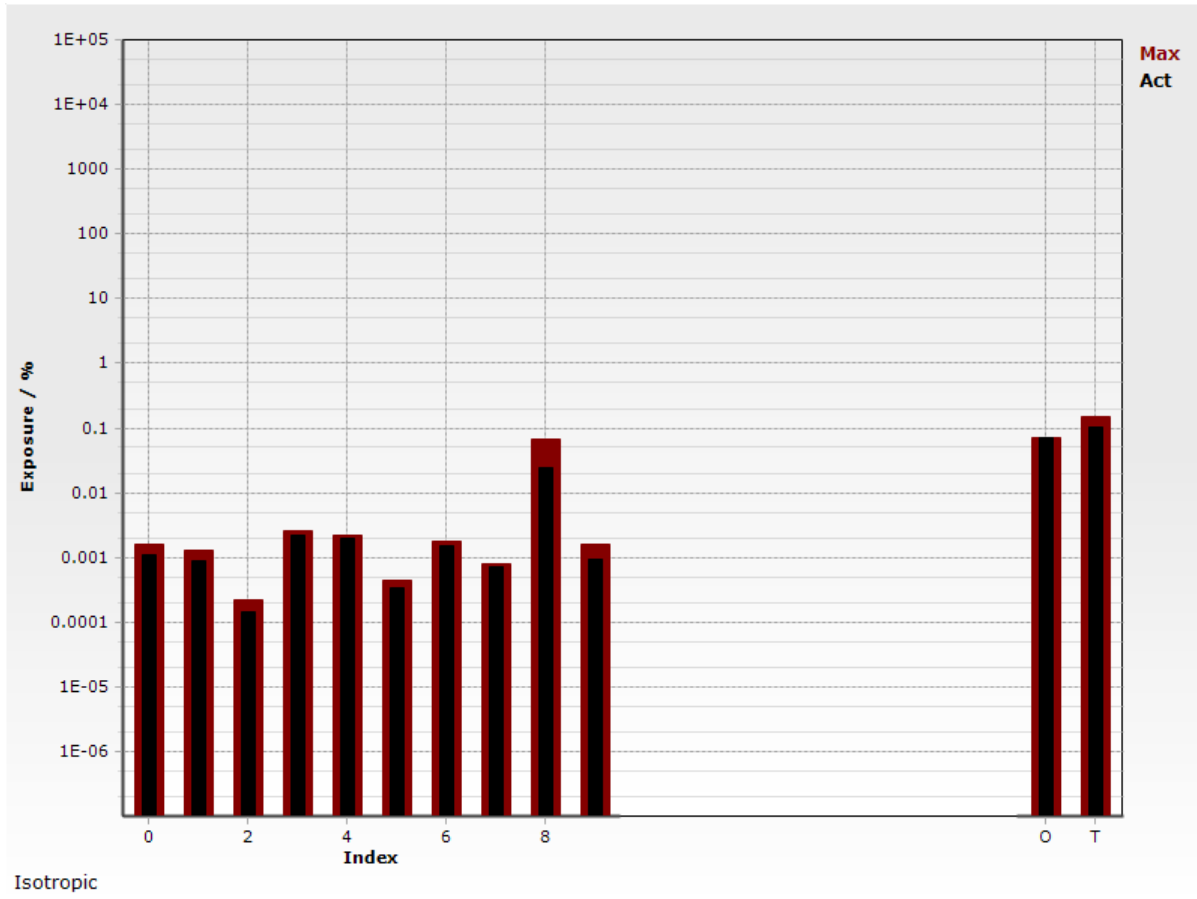
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 11 %	0.001 58 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 89 %	0.001 28 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 14 %	0.000 21 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 23 %	0.002 54 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.001 95 %	0.002 15 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 34 %	0.000 45 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 53 %	0.001 72 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 71 %	0.000 8 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.024 %	0.068 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.000 96 %	0.001 57 %
	Others			0.07 %	0.071 %
	Total			0.104 %	0.148 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 904 ms No. of Runs: 29
 Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude41°38'44.5" N GPS Longitude70°59'19.9" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:47:18
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	904 ms
No. of Runs	29
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	34
GPS Latitude	41°38'44.5" N
GPS Longitude	70°59'19.9" W
Voice Comment Available	NO
Comment	

Spectrum Analysis Results	
Measurement Type	Spectrum
Date	02/27/2019
Time	15:48:29

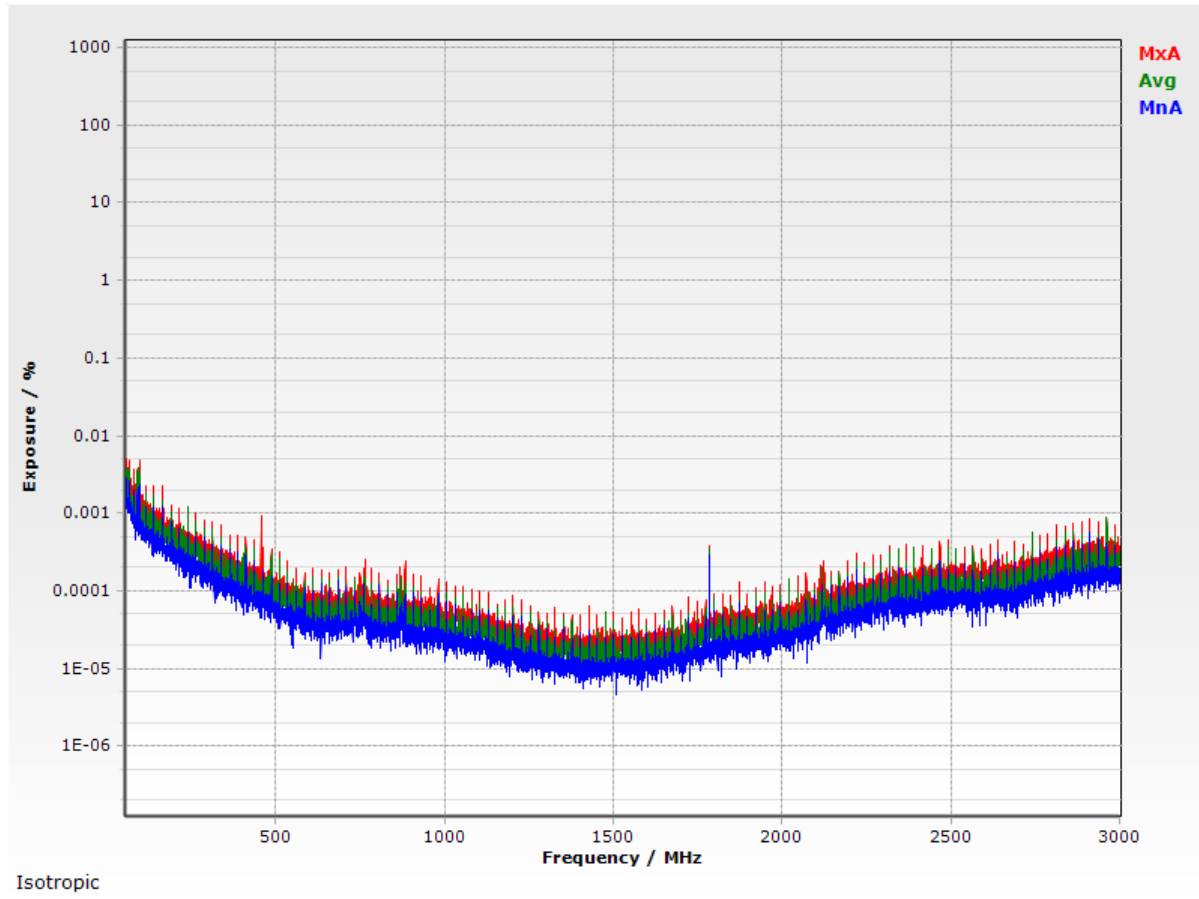
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Spectrum Analysis Peak Table

Index	Frequency	MxA	Avg	MnA
1	60.075 625 MHz	0.005 02 %	0.003 25 %	0.002 83 %
2	98.082 087 MHz	0.005 %	0.003 35 %	0.002 39 %
3	54.902 960 MHz	0.004 81 %	0.002 77 %	0.001 54 %
4	65.821 320 MHz	0.004 79 %	0.003 39 %	0.001 62 %
5	58.944 469 MHz	0.004 62 %	0.002 53 %	0.001 19 %
6	59.492 178 MHz	0.004 39 %	0.002 21 %	0.001 55 %
7	57.272 752 MHz	0.004 37 %	0.001 8 %	0.001 71 %
8	57.651 809 MHz	0.004 16 %	0.002 32 %	0.002 09 %
9	91.912 527 MHz	0.004 05 %	0.003 98 %	0.002 15 %
10	61.766 900 MHz	0.003 87 %	0.003 87 %	0.001 06 %

Spectrum Analysis Graph



Fmin:	54 MHz	Fmax:	3 GHz	RBW:	500 kHz	No. of Runs:	32
Meas. Range:	125 %	Sweep Time:	605 ms	VBW:	Off	AVG:	4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'42.6" N GPS Longitude 70°59'19.8" W

Spectrum Analysis Measurement Parameters

Data Set Type	Spectrum
Storing Mode	Man
Date	02/27/2019
Time	15:48:29
Overdriven	NO
Frequency Minimum	54 MHz
Frequency Maximum	3 GHz
Resolution Bandwidth (RBW)	500 kHz
Video Bandwidth (VBW)	5 kHz
Mode Video Bandwidth	Off
Measurement Range	125 %
Unit	%
Result Type	MxA, Avg, MnA
Number of Result Types used	3
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	605 ms
No. of Runs	32
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	10
GPS Fix	3D
GPS Altitude	35
GPS Latitude	41°38'42.6" N
GPS Longitude	70°59'19.8" W
Voice Comment Available	NO
Comment	

Safety Evaluation Results	
Measurement Type	Safety
Date	02/27/2019
Time	15:48:42

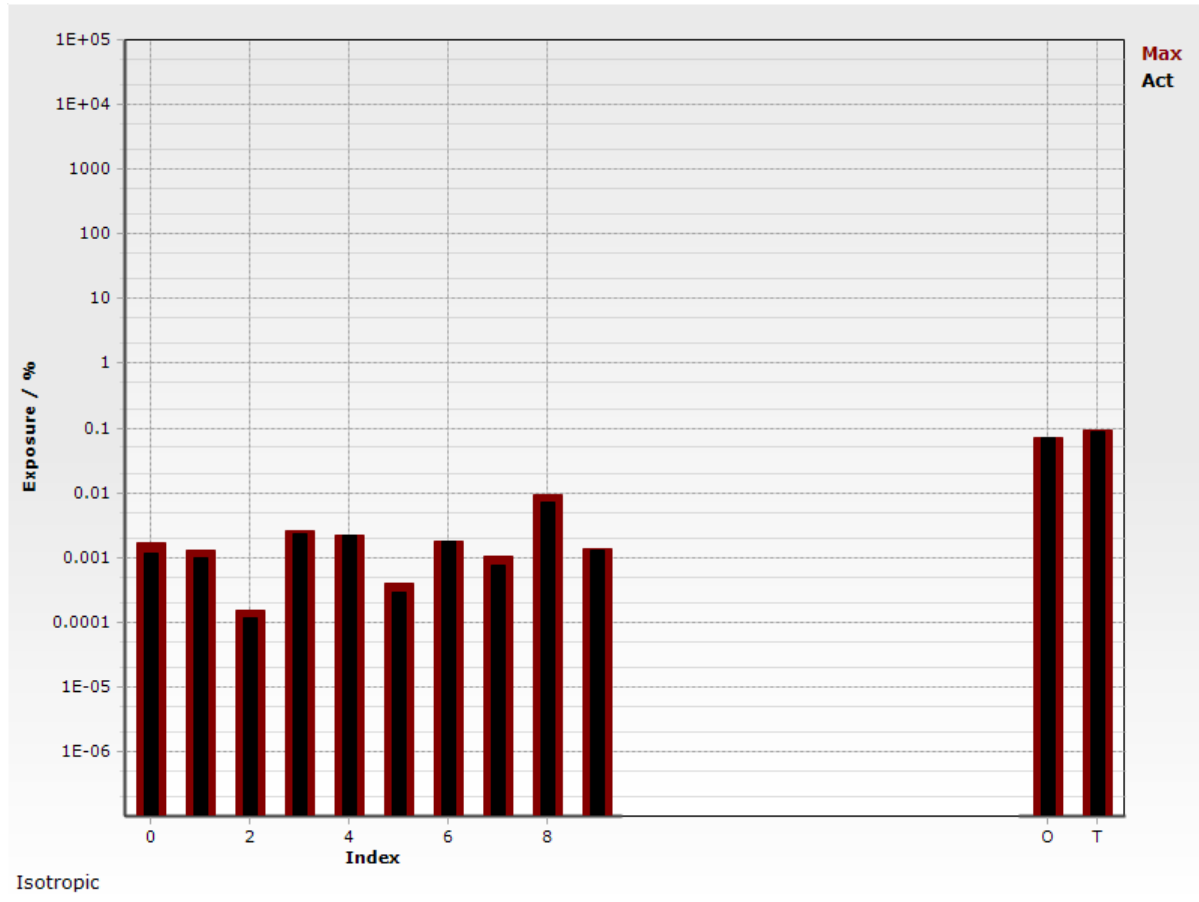
Instrument Information		Configuration	
Model	SRM	Antenna	Three-Axis Antenna 27MHz - 3GHz
S/N	I-0048	Cable	RF-Cable SRM - N 50 ohm - 1.5 m

Device Calibration Date	Cable Calibration Date	Antenna Calibration Date
09/27/2018	09/27/2018	09/27/2018

Safety Evaluation Result Table

Index	Service	Fmin	Fmax	Act	Max
0	VzW LTE	746.000 000 MHz	757.000 000 MHz	0.001 14 %	0.001 7 %
1	VzW LTE	776.000 000 MHz	787.000 000 MHz	0.000 98 %	0.001 27 %
2	VzW CDMA	846.500 000 MHz	848.000 000 MHz	0.000 12 %	0.000 15 %
3	VzW CDMA	872.000 000 MHz	894.000 000 MHz	0.002 28 %	0.002 58 %
4	VzW AWS	1 710.000 000 MHz	1 755.000 000 MHz	0.002 16 %	0.002 16 %
5	VzW PCS	1 865.000 000 MHz	1 870.000 000 MHz	0.000 29 %	0.000 4 %
6	VzW PCS	1 885.000 000 MHz	1 910.000 000 MHz	0.001 75 %	0.001 75 %
7	VzW PCS	1 965.000 000 MHz	1 975.000 000 MHz	0.000 77 %	0.001 04 %
8	VzW AWS	2 110.000 000 MHz	2 130.000 000 MHz	0.007 14 %	0.009 45 %
9	VzW AWS	2 145.000 000 MHz	2 155.000 000 MHz	0.001 32 %	0.001 38 %
	Others			0.071 %	0.071 %
	Total			0.088 %	0.09 %

Safety Evaluation Graph



Meas. Range: 125 % RBW: 300 kHz Sweep Time: 921 ms No. of Runs: 10
Noise Suppr.: Off AVG: 4 (100 %)

Location	GPS Coordinates / Location
	GPS Latitude 41°38'42.6" N GPS Longitude 70°59'19.8" W

Safety Evaluation Measurement Parameters

Data Set Type	Safety
Storing Mode	Man
Date	02/27/2019
Time	15:48:42
Overdriven	NO
Mode Resolution Bandwidth	Auto
Resolution Bandwidth (RBW)	300 kHz
Measurement Range	125 %
Unit	%
Result Type	Act, Max
Number of Result Types used	2
Others	ON
Noise Threshold	0 dB
Noise Suppression	OFF
Average Method	Number
Average Time	6 min
Number of Averages	4
Average Progress	100 %
Number of Spatial Averages	0
Sweep Time	921 ms
No. of Runs	10
Standard Name	FCC 1997 General Population
Service Table Name	US-NE FCC Frequencies (PWS assign)
Cable Name	RF-Cable SRM - N 50 ohm - 1.5 m
Antenna Name	Three-Axis Antenna 27MHz - 3GHz
Axis	RSS
Device Serial Number	I-0048
Device Firmware Version	V1.5.2
Device Calibration Date	09/27/2018
Cable Serial Number	AB-0422
Cable Calibration Date	09/27/2018
Antenna Serial Number	K-0993
Antenna Calibration Date	09/27/2018
GPS Flag	Actual
GPS Quality	GPS
Satellites in use	11
GPS Fix	3D
GPS Altitude	36
GPS Latitude	41°38'42.6" N
GPS Longitude	70°59'19.8" W
Voice Comment Available	NO
Comment	