



REPORT No. : SZ14110040W02

Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 4	20MHz	L 20050	1720	QPSK	1	0	23.41
					1	49	24.23
					1	99	23.62
					50	0	22.89
					50	25	23.08
					50	49	23.32
					100	0	23.09
				16-QAM	1	0	23.87
					1	49	23.78
					1	99	23.68
					50	0	23.52
					50	25	23.14
					50	49	23.12
					100	0	23.46
		M 20175	1732.5	QPSK	1	0	23.81
					1	49	23.92
					1	99	23.94
					50	0	23.04
					50	25	23.12
					50	49	23.76
					100	0	23.49
				16-QAM	1	0	23.34
					1	49	23.42
					1	99	23.69
					50	0	23.41
					50	25	23.17
					50	49	23.56
					100	0	23.41
		H 20300	1745	QPSK	1	0	23.59
					1	49	23.64
					1	99	24.18
					50	0	24.61
					50	25	24.12
					50	49	23.34



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
	15MHz	L 20025	1717.5	16-QAM	100	0	23.71
					1	0	23.98
					1	49	24.01
					1	99	23.83
					50	0	23.32
					50	25	23.12
					50	49	23.44
					100	0	24.67
				QPSK	1	0	23.11
					1	37	23.02
					1	74	23.15
					36	0	23.19
					36	18	23.96
					36	35	23.34
					75	0	23.62
				16-QAM	1	0	23.26
					1	37	23.23
					1	74	23.67
					36	0	23.59
					36	18	24.18
					36	35	24.21
					75	0	24.51
		M 20175	1732.5	QPSK	1	0	24.78
					1	37	24.21
					1	74	24.64
					36	0	24.19
					36	18	23.76
					36	35	24.23
					75	0	23.62
				16-QAM	1	0	23.94
					1	37	24.78
					1	74	24.31
					36	0	23.58
					36	18	23.75



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
					36	35	23.34
					75	0	23.75
		H 20325	1747.5	QPSK	1	0	24.01
					1	37	24.06
					1	74	24.11
					36	0	24.24
					36	18	24.73
					36	35	23.22
					75	0	23.39
				16-QAM	1	0	24.04
					1	37	23.43
					1	74	24.19
					36	0	23.46
					36	18	24.32
					36	35	23.34
					75	0	23.82
	10MHz	L 20000	1715	QPSK	1	0	24.03
					1	24	24.08
					1	49	24.51
					25	0	24.03
					25	12	23.12
					25	24	23.65
					50	0	24.85
				16-QAM	1	0	24.64
					1	24	24.01
					1	49	24.38
					25	0	24.34
					25	12	24.54
					25	24	24.87
					50	0	23.83
		M 20175	1732.5	QPSK	1	0	24.09
					1	24	24.05
					1	49	23.16
					25	0	23.54



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
					25	12	24.14
					25	24	23.15
					50	0	24.02
					1	0	24.05
					1	24	24.03
					1	49	24.44
					25	0	23.43
					25	12	23.74
					25	24	24.75
					50	0	23.03
		H 20350	1750	QPSK	1	0	23.84
					1	24	23.67
					1	49	23.96
					25	0	23.34
					25	12	23.78
					25	24	23.51
					50	0	23.05
				16-QAM	1	0	24.88
					1	24	23.65
					1	49	23.21
					25	0	23.34
					25	12	24.85
					25	24	23.43
					50	0	23.69
	5MHz	L 19975	1712.5	QPSK	1	0	24.63
					1	12	24.53
					1	24	24.54
					12	0	24.87
					12	6	23.64
					12	11	24.42
					25	0	23.51
				16-QAM	1	0	23.33
					1	12	24.24
					1	24	24.19



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
					12	0	23.74
					12	6	23.53
					12	11	23.24
					25	0	23.33
		M 20175	1732.5	QPSK	1	0	24.65
					1	12	24.23
					1	24	24.44
					12	0	24.43
					12	6	24.68
					12	11	24.43
					25	0	23.25
				16-QAM	1	0	23.38
					1	12	23.18
					1	24	23.94
					12	0	23.89
					12	6	24.43
					12	11	23.43
					25	0	23.88
		H 20375	1752.5	QPSK	1	0	23.09
					1	12	23.37
					1	24	23.27
					12	0	23.87
					12	6	23.67
					12	11	24.23
					25	0	23.07
				16-QAM	1	0	24.46
					1	12	24.74
					1	24	24.83
					12	0	24.34
					12	6	23.36
					12	11	23.57
					25	0	23.46
	3MHz	L 19965	1711.5	QPSK	1	0	24.69
					1	7	24.34



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
					1	14	24.74
					8	0	24.61
					8	4	24.35
					8	7	24.25
					15	0	23.35
				16-QAM	1	0	24.39
					1	7	23.65
					1	14	23.65
					8	0	24.54
					8	4	23.45
					8	7	23.56
					15	0	24.63
		M 20175	1732.5	QPSK	1	0	24.81
					1	7	24.05
					1	14	23.34
					8	0	23.54
					8	4	23.71
					8	7	23.54
					15	0	24.38
				16-QAM	1	0	24.06
					1	7	24.43
					1	14	23.21
					8	0	23.23
					8	4	23.76
					8	7	23.65
					15	0	23.35
		H 20385	1753.5	QPSK	1	0	24.66
					1	7	24.78
					1	14	24.64
					8	0	23.43
					8	4	23.56
					8	7	23.74
					15	0	23.09
				16-QAM	1	0	24.31



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
	1.4MHz	L 19957	1710.7		1	7	24.65
					1	14	24.45
					8	0	23.89
					8	4	23.21
					8	7	23.78
					15	0	24.61
				QPSK	1	0	24.26
					1	2	24.48
					1	5	24.51
					3	0	23.92
					3	1	23.62
					3	2	24.31
					6	0	23.39
				16-QAM	1	0	23.22
					1	2	23.34
					1	5	23.13
					3	0	23.74
					3	1	23.83
					3	2	23.76
					6	0	23.55
		M 20175	1732.5	QPSK	1	0	23.88
					1	2	24.98
					1	5	24.11
					3	0	23.34
					3	1	24.45
					3	2	24.85
					6	0	23.16
				16-QAM	1	0	23.98
					1	2	24.09
					1	5	23.55
					3	0	23.57
					3	2	23.37
					3	5	23.48
					6	0	23.51



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
		H 20393	1754.5	QPSK	1	0	23.82
					1	2	23.48
					1	5	24.73
					3	0	24.38
					3	1	24.74
					3	2	24.98
					6	0	23.53
				16-QAM	1	0	24.32
					1	2	24.68
					1	5	23.93
					3	0	24.39
					3	1	24.73
					3	2	24.98
					6	0	24.28

Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 7	20MHz	L 20850	2510	QPSK	1	0	24.61
					1	49	24.13
					1	99	24.72
					50	0	22.81
					50	25	23.78
					50	49	24.32
					100	0	24.09
				16-QAM	1	0	23.82
					1	49	23.78
					1	99	24.68
					50	0	24.52
					50	25	24.14
					50	49	24.12
					100	0	23.46
		M 21100	2535	QPSK	1	0	24.81
					1	49	24.21



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
					1	99	24.77
					50	0	24.04
					50	25	23.27
					50	49	24.26
					100	0	23.29
				16-QAM	1	0	23.25
					1	49	24.32
					1	99	24.61
					50	0	24.41
					50	25	24.17
					50	49	24.56
					100	0	24.41
		H 21350	2560	QPSK	1	0	23.53
					1	49	23.34
					1	99	24.08
					50	0	24.61
					50	25	24.12
					50	49	23.34
					100	0	24.41
				16-QAM	1	0	23.98
					1	49	24.17
					1	99	23.83
					50	0	23.32
					50	25	23.12
					50	49	23.44
					100	0	24.67
	15MHz	L 20825	2507.5	QPSK	1	0	24.84
					1	37	24.12
					1	74	24.35
					36	0	24.14
					36	18	24.26
					36	35	23.34
					75	0	23.62
				16-QAM	1	0	23.29



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
					1	37	23.23
					1	74	23.67
					36	0	23.54
					36	18	24.98
					36	35	24.12
					75	0	24.51
		M 21100	2535	QPSK	1	0	24.78
					1	37	24.21
					1	74	24.64
					36	0	24.89
					36	18	23.76
					36	35	24.23
					75	0	23.62
				16-QAM	1	0	23.94
					1	37	24.78
					1	74	24.31
					36	0	23.98
					36	18	23.65
					36	35	23.34
					75	0	24.35
		H 21375	2562.5	QPSK	1	0	24.41
					1	37	24.76
					1	74	24.81
					36	0	24.34
					36	18	24.13
					36	35	23.87
					75	0	23.38
				16-QAM	1	0	24.94
					1	37	23.47
					1	74	24.19
					36	0	23.41
					36	18	24.42
					36	35	23.38
					75	0	23.89



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Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
	10MHz	L 20800	2505	QPSK	1	0	24.05
					1	24	24.08
					1	49	24.51
					25	0	24.07
					25	12	23.15
					25	24	23.65
					50	0	24.85
				16-QAM	1	0	24.64
					1	24	24.01
					1	49	24.38
					25	0	24.34
					25	12	24.54
					25	24	24.87
					50	0	23.83
		M 21100	2535	QPSK	1	0	24.06
					1	24	24.05
					1	49	23.66
					25	0	23.54
					25	12	24.34
					25	24	23.64
					50	0	24.32
				16-QAM	1	0	24.05
					1	24	24.03
					1	49	24.44
					25	0	23.43
					25	12	23.64
					25	24	24.75
					50	0	23.03
		H 21400	2565	QPSK	1	0	23.84
					1	24	23.67
					1	49	23.92
					25	0	23.44
					25	12	23.77
					25	24	24.51



REPORT No. : SZ14110040W02

Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
				16-QAM	50	0	23.05
					1	0	24.85
					1	24	23.65
					1	49	23.25
					25	0	23.31
					25	12	24.81
					25	24	23.47
					50	0	23.62
	5MHz	L 20755	2502.5	QPSK	1	0	24.63
					1	12	24.53
					1	24	24.54
					12	0	24.83
					12	6	23.64
					12	11	24.42
					25	0	23.51
				16-QAM	1	0	23.33
					1	12	24.64
					1	24	24.04
					12	0	23.74
					12	6	23.53
					12	11	23.24
					25	0	23.33
		M 21100	2535	QPSK	1	0	24.65
					1	12	24.23
					1	24	24.44
					12	0	24.43
					12	6	24.68
					12	11	24.43
					25	0	23.25
				16-QAM	1	0	23.38
					1	12	23.18
					1	24	23.94
					12	0	23.89
					12	6	24.41



REPORT No. : SZ14110040W02

Band	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
		H 21350	2560	QPSK	12	11	23.43
					25	0	23.88
					1	0	23.09
					1	12	23.37
					1	24	23.27
					12	0	23.87
					12	6	23.67
					12	11	24.23
				16-QAM	25	0	23.07
					1	0	24.46
					1	12	24.74
					1	24	24.83
					12	0	24.34
					12	6	23.36
					12	11	23.57
					25	0	23.46

2.8. Radiated Spurious Emissions

2.8.1. Requirement

According to FCC section 2.1053 and section 27.53(g), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB. This calculated to be -13dBm.

2.8.2. Test Description

See section 2.7.2 of this report.

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3. Test Result

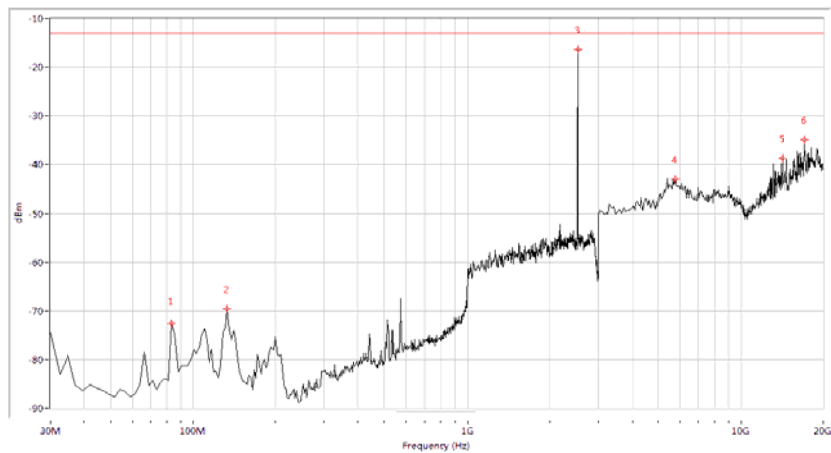
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Test Plots for the Whole Measurement Frequency Range:

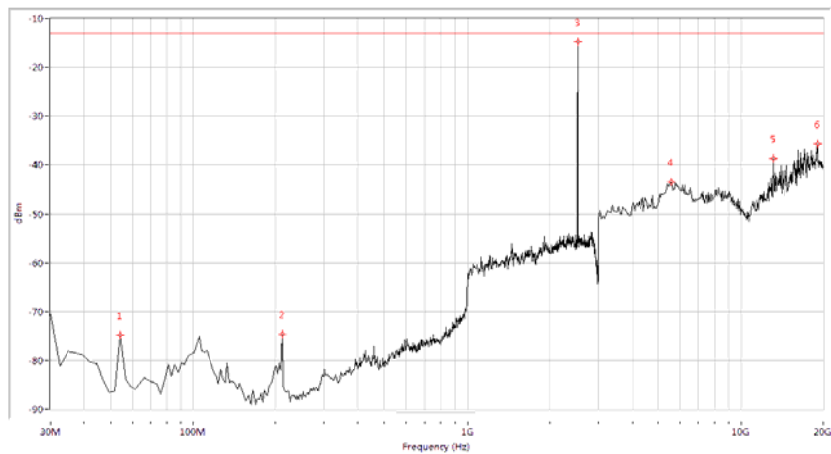
Note1: the power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

LTE Band 7 5MHz BW, Mid Channel, QPSK

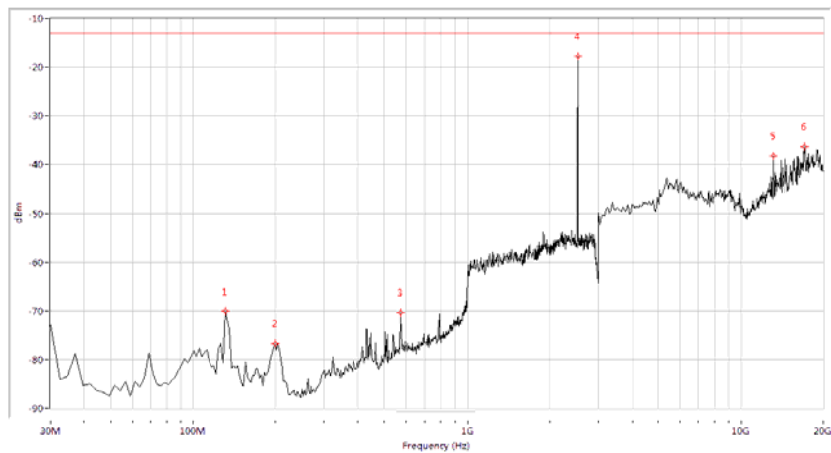


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
83.217	-72.61	-13.0	59.6	23.5	Horizontal	PASS
134.015	-69.62	-13.0	56.6	181.6	Horizontal	PASS
2531.172	-16.32	-13.0	3.3	360.0	Horizontal	N.A
5798.005	-42.89	-13.0	29.9	305.3	Horizontal	PASS
14064.838	-38.75	-13.0	25.7	360.0	Horizontal	PASS
17159.601	-34.81	-13.0	21.8	248.3	Horizontal	PASS

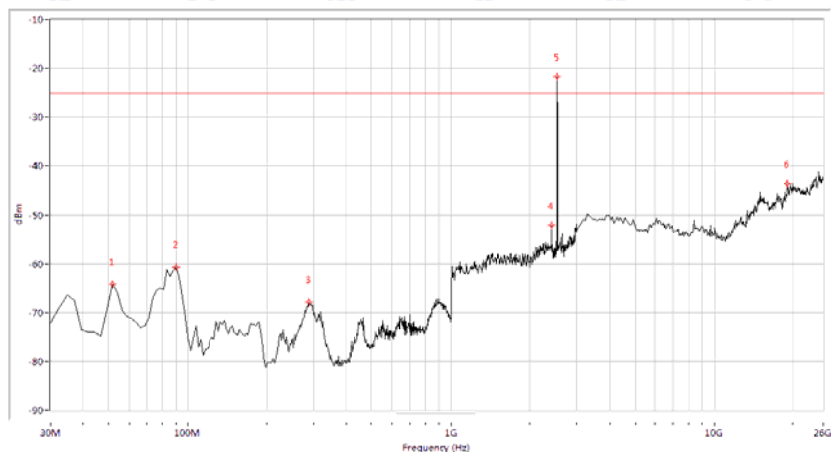


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
54.190	-74.78	-13.0	61.8	303.6	Vertical	PASS
211.421	-74.64	-13.0	61.6	332.2	Vertical	PASS
2531.172	-14.78	-13.0	1.8	125.7	Vertical	N.A
5586.035	-43.40	-13.0	30.4	241.9	Vertical	PASS
13004.988	-38.72	-13.0	25.7	311.2	Vertical	PASS
19067.332	-35.62	-13.0	22.6	360.0	Vertical	PASS

LTE Band 7 5MHz BW, Mid Channel, 16QAM

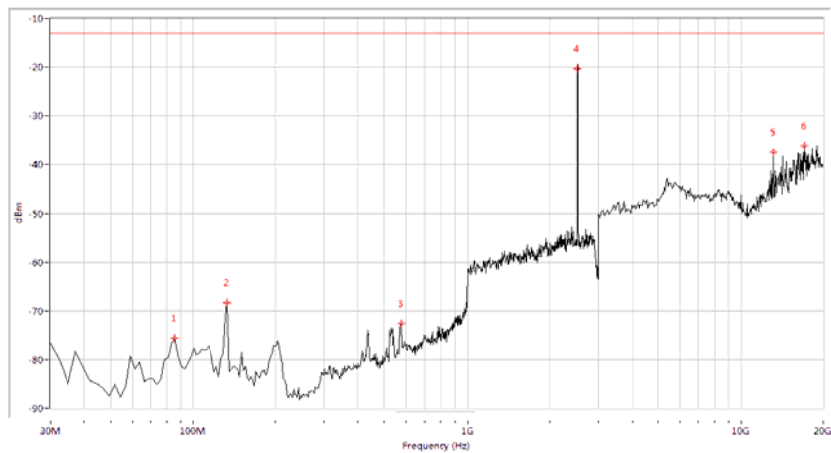


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
131.596	-70.00	-13.0	57.0	157.5	Horizontal	PASS
199.327	-76.71	-13.0	63.7	28.4	Horizontal	PASS
574.264	-70.34	-13.0	57.3	291.4	Horizontal	PASS
2531.172	-17.82	-13.0	4.8	291.4	Horizontal	N.A
13004.988	-38.19	-13.0	25.2	31.4	Horizontal	PASS
17117.207	-36.26	-13.0	23.3	77.1	Horizontal	PASS

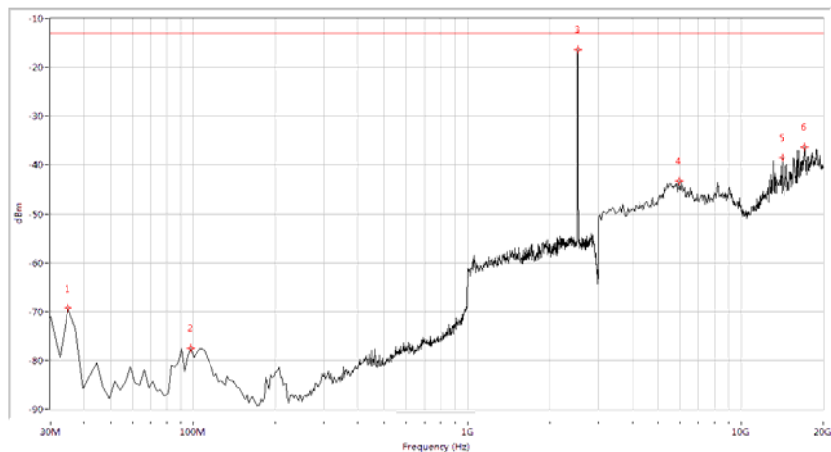


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-64.16	-25.0	39.2	109.9	Vertical	PASS
90.474	-60.68	-25.0	35.7	329.0	Vertical	PASS
288.828	-67.76	-25.0	42.8	137.4	Vertical	PASS
2411.471	-52.08	-25.0	27.1	308.1	Vertical	PASS
2531.172	-21.66	-25.0	-3.3	270.6	Vertical	N.A
19117.207	-43.62	-25.0	18.6	0.8	Vertical	PASS

LTE Band 7 10MHz BW, Mid Channel, QPSK

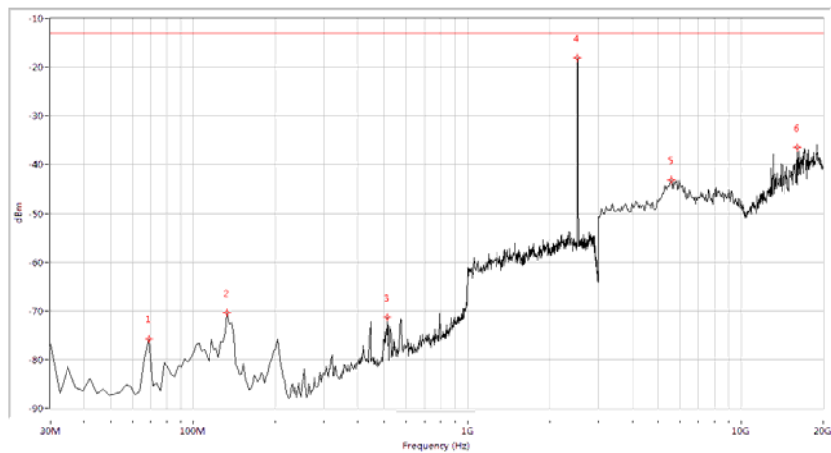


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
85.636	-75.64	-13.0	62.6	26.8	Horizontal	PASS
134.015	-68.27	-13.0	55.3	90.1	Horizontal	PASS
576.683	-72.53	-13.0	59.5	227.8	Horizontal	PASS
2526.185	-20.29	-13.0	7.3	287.0	Horizontal	N.A
13004.988	-37.44	-13.0	24.4	-0.0	Horizontal	PASS
17159.601	-36.17	-13.0	23.2	-0.0	Horizontal	PASS

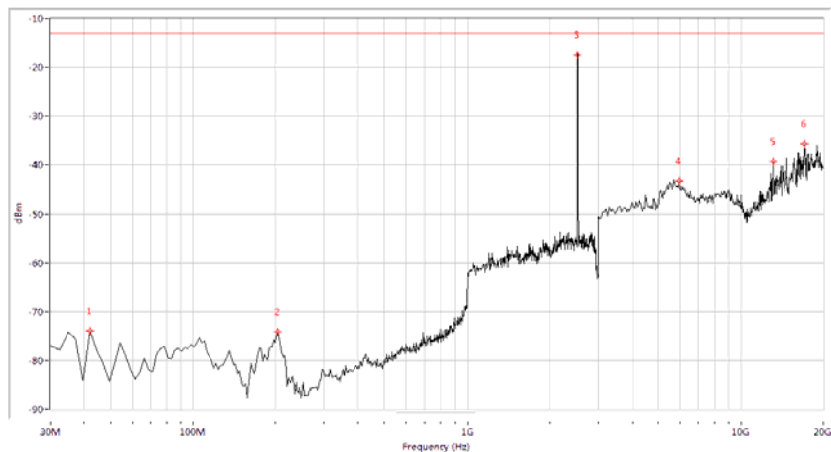


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-69.18	-13.0	56.2	330.8	Vertical	PASS
97.731	-77.52	-13.0	64.5	116.1	Vertical	PASS
2531.172	-16.35	-13.0	3.3	20.5	Vertical	N.A
5967.581	-43.28	-13.0	30.3	249.8	Vertical	PASS
14064.838	-38.44	-13.0	25.4	317.9	Vertical	PASS
17117.207	-36.23	-13.0	23.2	318.9	Vertical	PASS

LTE Band 7 10MHz BW, Mid Channel, 16QAM

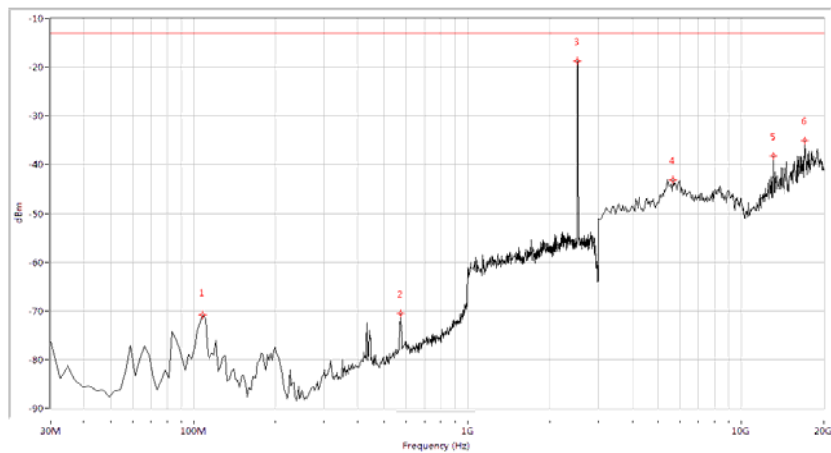


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
68.703	-75.68	-13.0	62.7	6.4	Horizontal	PASS
134.015	-70.36	-13.0	57.4	297.8	Horizontal	PASS
513.791	-71.24	-13.0	58.2	250.9	Horizontal	PASS
2526.185	-18.02	-13.0	5.0	285.9	Horizontal	N.A
5586.035	-43.19	-13.0	30.2	360.0	Horizontal	PASS
16099.751	-36.52	-13.0	23.5	305.8	Horizontal	PASS

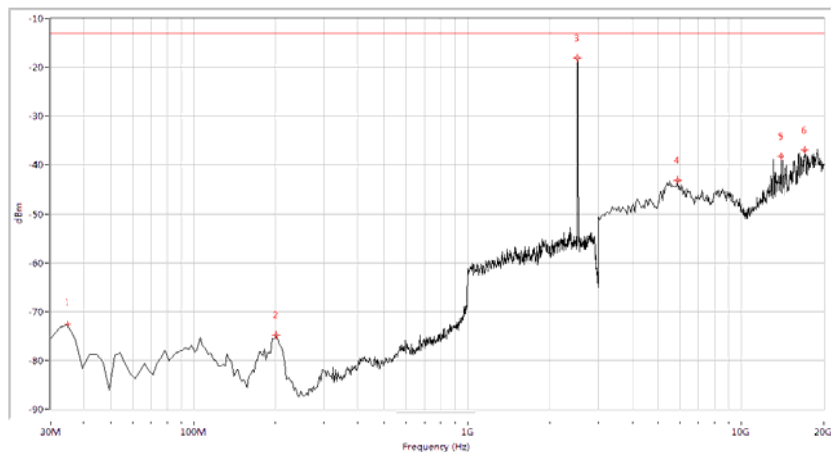


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
42.095	-74.02	-13.0	61.0	359.4	Vertical	PASS
204.165	-74.15	-13.0	61.2	136.2	Vertical	PASS
2526.185	-17.48	-13.0	4.5	130.3	Vertical	N.A
5967.581	-43.27	-13.0	30.3	297.3	Vertical	PASS
13004.988	-39.25	-13.0	26.2	246.4	Vertical	PASS
17159.601	-35.62	-13.0	22.6	302.6	Vertical	PASS

LTE Band 7 15MHz BW, Mid Channel, QPSK

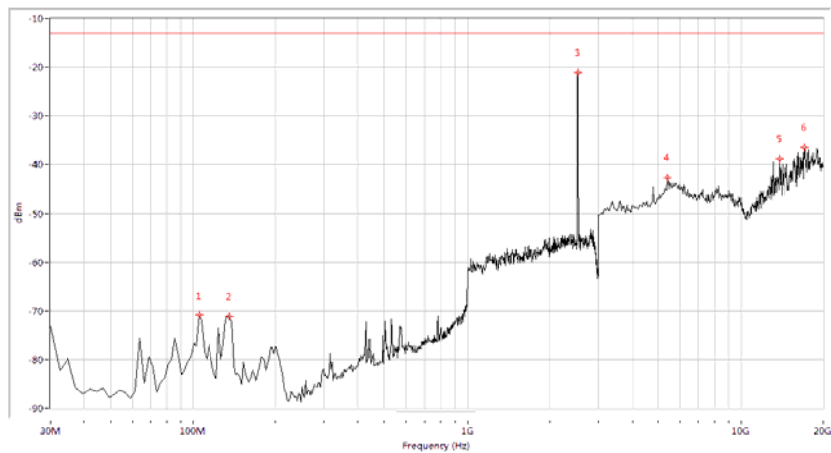


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-70.79	-13.0	57.8	11.9	Horizontal	PASS
571.845	-70.53	-13.0	57.5	323.4	Horizontal	PASS
2526.185	-18.78	-13.0	5.8	360.0	Horizontal	N.A
5670.823	-43.15	-13.0	30.2	309.6	Horizontal	PASS
13004.988	-38.16	-13.0	25.2	322.3	Horizontal	PASS
17159.601	-34.97	-13.0	22.0	211.4	Horizontal	PASS

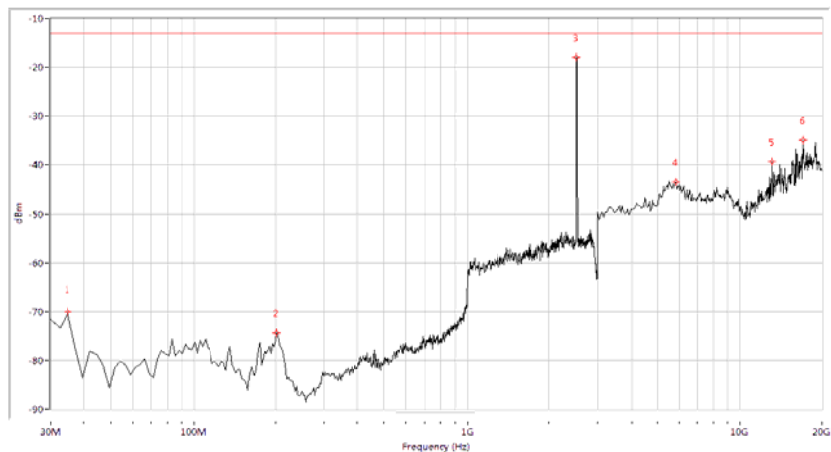


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-72.53	-13.0	59.5	156.4	Vertical	PASS
201.746	-74.78	-13.0	61.8	151.1	Vertical	PASS
2526.185	-18.11	-13.0	5.1	176.8	Vertical	N.A
5882.793	-43.05	-13.0	30.0	303.7	Vertical	PASS
13895.262	-38.18	-13.0	25.2	38.0	Vertical	PASS
17159.601	-36.95	-13.0	24.0	156.4	Vertical	PASS

LTE Band 7 15MHz BW, Mid Channel, 16QAM

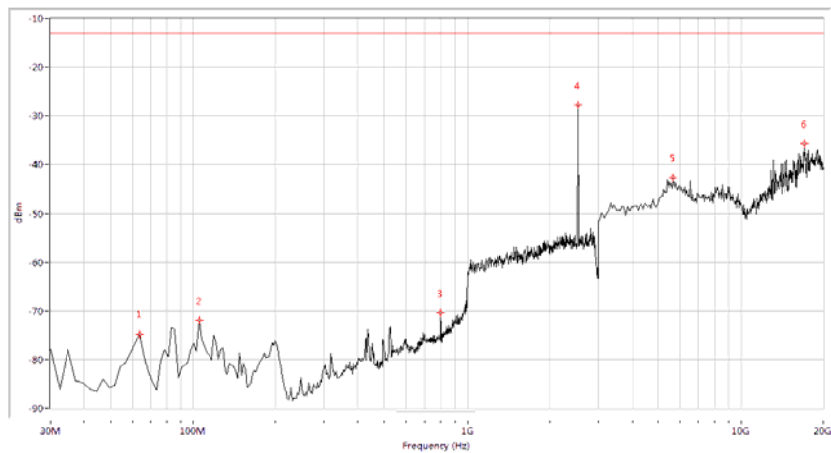


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
104.988	-70.83	-13.0	57.8	212.1	Horizontal	PASS
136.434	-71.11	-13.0	58.1	333.8	Horizontal	PASS
2536.160	-21.04	-13.0	8.0	345.3	Horizontal	N.A
5416.459	-42.58	-13.0	29.6	273.6	Horizontal	PASS
13725.686	-38.90	-13.0	25.9	47.7	Horizontal	PASS
17117.207	-36.48	-13.0	23.5	168.6	Horizontal	PASS

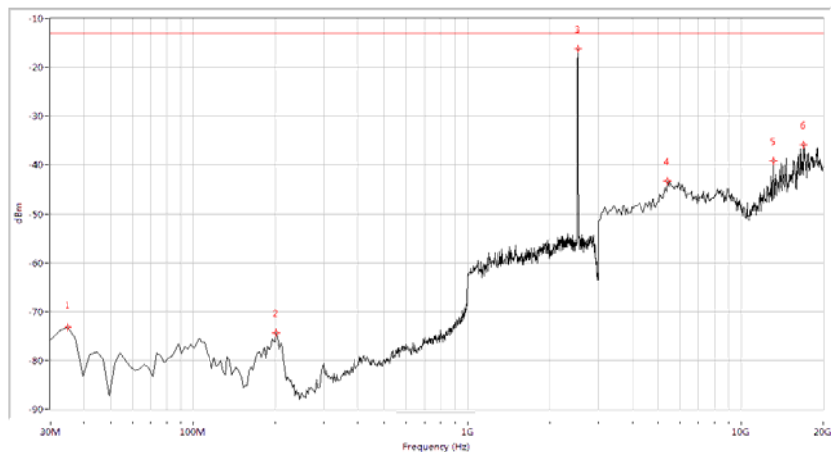


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-69.96	-13.0	57.0	360.0	Vertical	PASS
201.746	-74.35	-13.0	61.4	236.0	Vertical	PASS
2526.185	-17.89	-13.0	4.9	176.8	Vertical	N.A
5840.399	-43.48	-13.0	30.5	311.4	Vertical	PASS
13004.988	-39.30	-13.0	26.3	187.6	Vertical	PASS
17159.601	-34.94	-13.0	21.9	255.0	Vertical	PASS

LTE Band 7 20MHz BW, Mid Channel, QPSK

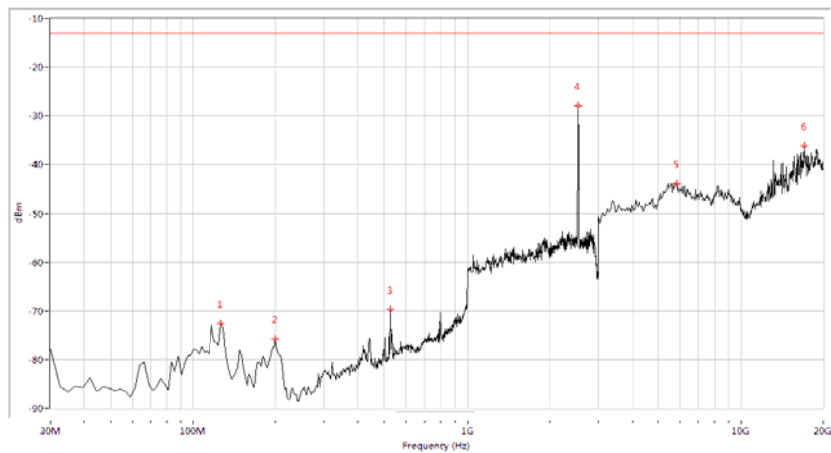


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
63.865	-74.85	-13.0	61.9	25.0	Horizontal	PASS
104.988	-72.00	-13.0	59.0	41.3	Horizontal	PASS
799.227	-70.29	-13.0	57.3	316.7	Horizontal	PASS
2541.147	-27.77	-13.0	14.8	259.4	Horizontal	N.A
5670.823	-42.63	-13.0	29.6	353.9	Horizontal	PASS
17159.601	-35.66	-13.0	22.7	346.0	Horizontal	PASS

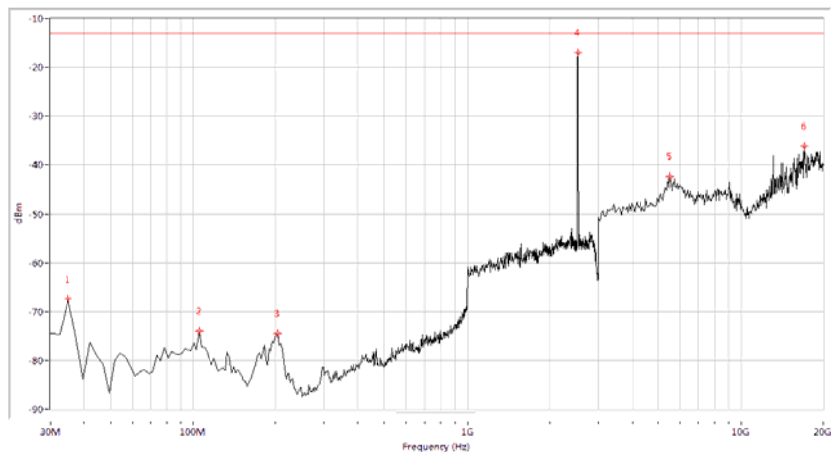


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-73.19	-13.0	60.2	360.0	Vertical	PASS
201.746	-74.37	-13.0	61.4	345.8	Vertical	PASS
2531.172	-16.18	-13.0	3.2	163.8	Vertical	N.A
5416.459	-43.26	-13.0	30.3	273.1	Vertical	PASS
13004.988	-39.18	-13.0	26.2	61.7	Vertical	PASS
17032.419	-35.84	-13.0	22.8	116.8	Vertical	PASS

LTE Band 7 20MHz BW, Mid Channel, 16QAM

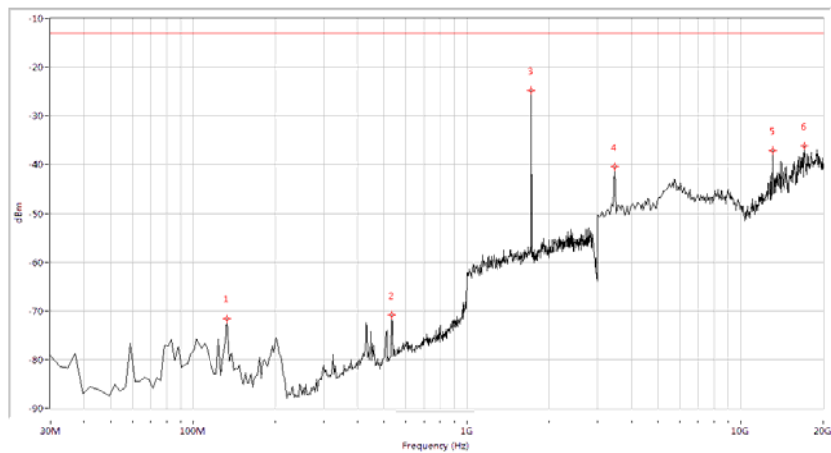


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
126.758	-72.56	-13.0	59.6	36.4	Horizontal	PASS
199.327	-75.75	-13.0	62.8	327.9	Horizontal	PASS
525.885	-69.69	-13.0	56.7	51.7	Horizontal	PASS
2541.147	-27.89	-13.0	14.9	54.8	Horizontal	N.A
5840.399	-43.84	-13.0	30.8	313.3	Horizontal	PASS
17117.207	-36.11	-13.0	23.1	14.5	Horizontal	PASS

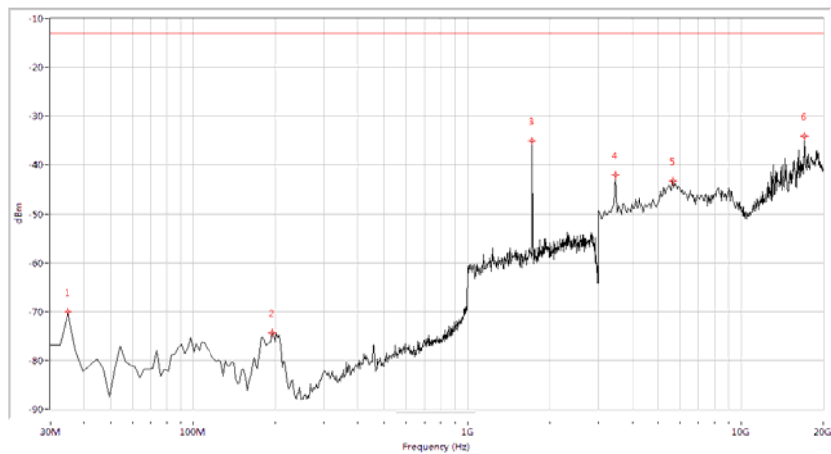


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-67.33	-13.0	54.3	217.8	Vertical	PASS
104.988	-74.04	-13.0	61.0	102.8	Vertical	PASS
204.165	-74.54	-13.0	61.5	316.0	Vertical	PASS
2531.172	-16.89	-13.0	3.9	278.4	Vertical	N.A
5543.641	-42.35	-13.0	29.3	307.8	Vertical	PASS
17117.207	-36.19	-13.0	23.2	360.0	Vertical	PASS

LTE Band 4 1.4MHz BW, Mid Channel, QPSK

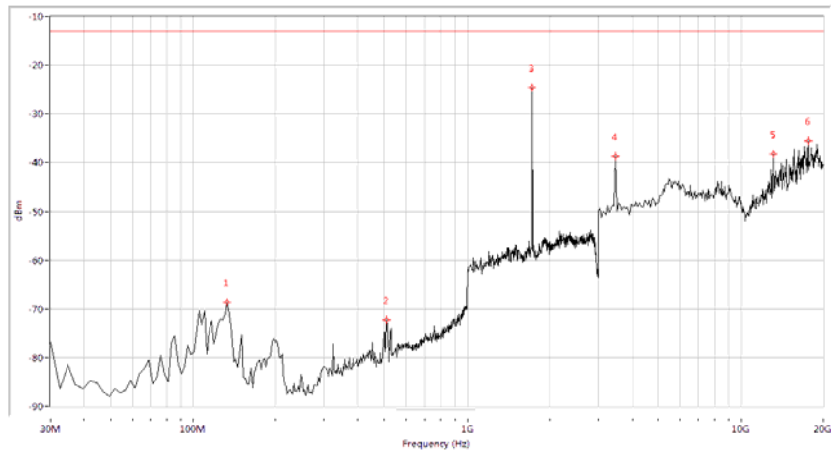


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
134.015	-71.62	-13.0	58.6	60.0	Horizontal	PASS
533.142	-70.90	-13.0	57.9	81.5	Horizontal	PASS
1733.167	-24.81	-13.0	11.8	-0.0	Horizontal	N.A
3466.334	-40.40	-13.0	27.4	2.4	Horizontal	PASS
13004.988	-37.14	-13.0	24.1	2.0	Horizontal	PASS
17159.601	-36.22	-13.0	23.2	262.9	Horizontal	PASS

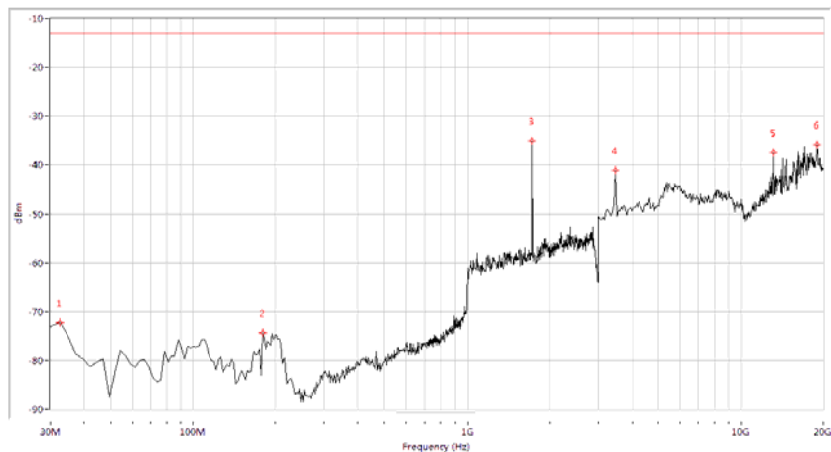


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-70.10	-13.0	57.1	132.2	Vertical	PASS
194.489	-74.39	-13.0	61.4	267.6	Vertical	PASS
1733.167	-35.09	-13.0	22.1	51.8	Vertical	N.A
3466.334	-41.96	-13.0	29.0	306.2	Vertical	PASS
5670.823	-43.25	-13.0	30.2	98.4	Vertical	PASS
17159.601	-34.12	-13.0	21.1	275.9	Vertical	PASS

LTE Band 4 1.4MHz BW, Mid Channel, 16QAM

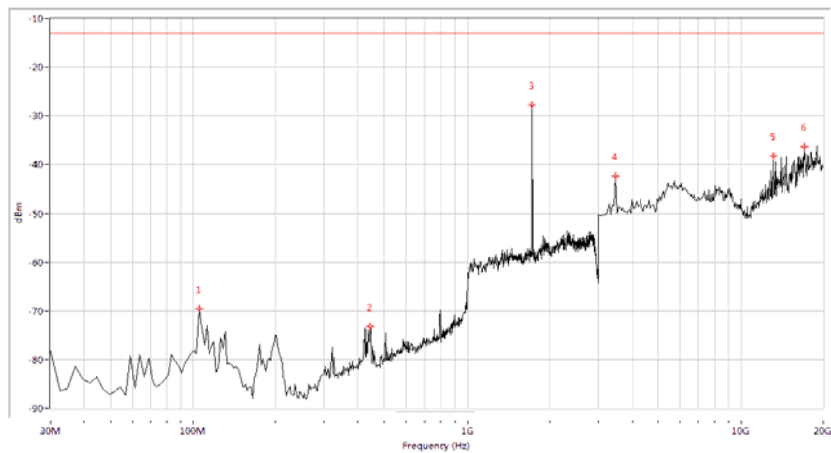


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
134.015	-68.56	-13.0	55.6	56.0	Horizontal	PASS
508.953	-72.25	-13.0	59.2	69.9	Horizontal	PASS
1733.167	-24.58	-13.0	11.6	359.3	Horizontal	N.A
3466.334	-38.73	-13.0	25.7	-0.0	Horizontal	PASS
13004.988	-38.27	-13.0	25.3	174.6	Horizontal	PASS
17625.935	-35.53	-13.0	22.5	62.7	Horizontal	PASS

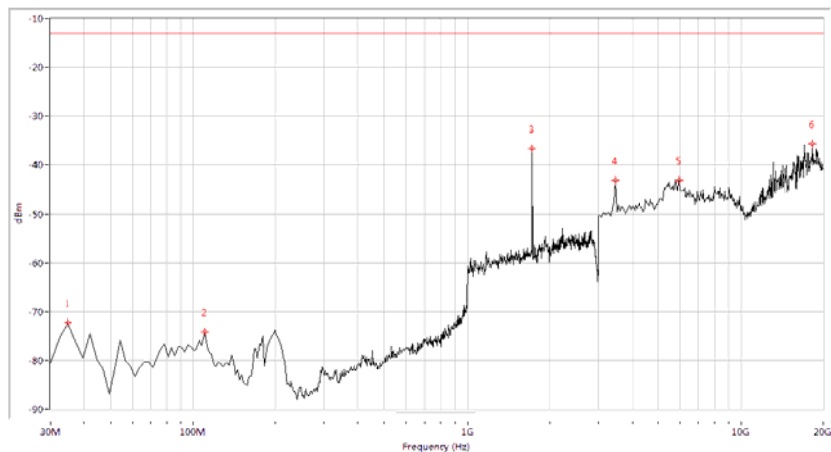


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
32.419	-72.20	-13.0	59.2	196.1	Vertical	PASS
179.975	-74.34	-13.0	61.3	18.3	Vertical	PASS
1733.167	-35.03	-13.0	22.0	108.5	Vertical	N.A
3466.334	-40.98	-13.0	28.0	112.2	Vertical	PASS
13004.988	-37.41	-13.0	24.4	360.0	Vertical	PASS
19024.938	-35.87	-13.0	22.9	196.1	Vertical	PASS

LTE Band 4 3MHz BW, Mid Channel, QPSK

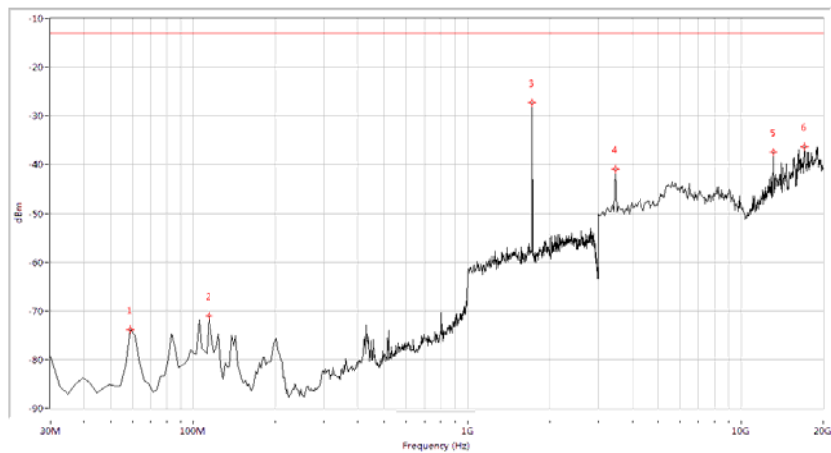


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
104.988	-69.63	-13.0	56.6	64.4	Horizontal	PASS
443.641	-73.24	-13.0	60.2	92.6	Horizontal	PASS
1733.167	-27.70	-13.0	14.7	-0.0	Horizontal	N.A
3466.334	-42.35	-13.0	29.3	-0.0	Horizontal	PASS
13004.988	-38.21	-13.0	25.2	87.2	Horizontal	PASS
17159.601	-36.25	-13.0	23.3	98.6	Horizontal	PASS

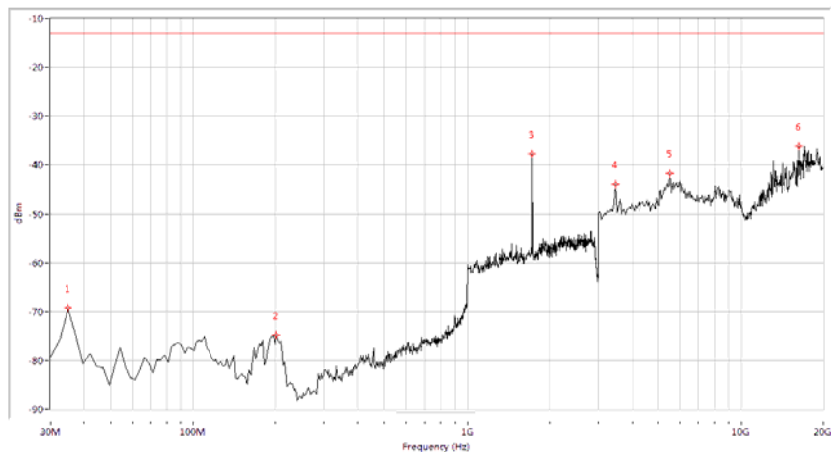


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-72.27	-13.0	59.3	186.7	Vertical	PASS
109.825	-74.23	-13.0	61.2	80.7	Vertical	PASS
1728.180	-36.61	-13.0	23.6	259.2	Vertical	N.A
3466.334	-43.15	-13.0	30.1	266.2	Vertical	PASS
5967.581	-43.18	-13.0	30.2	-0.0	Vertical	PASS
18304.239	-35.60	-13.0	22.6	186.7	Vertical	PASS

LTE Band 4 3MHz BW, Mid Channel, 16QAM

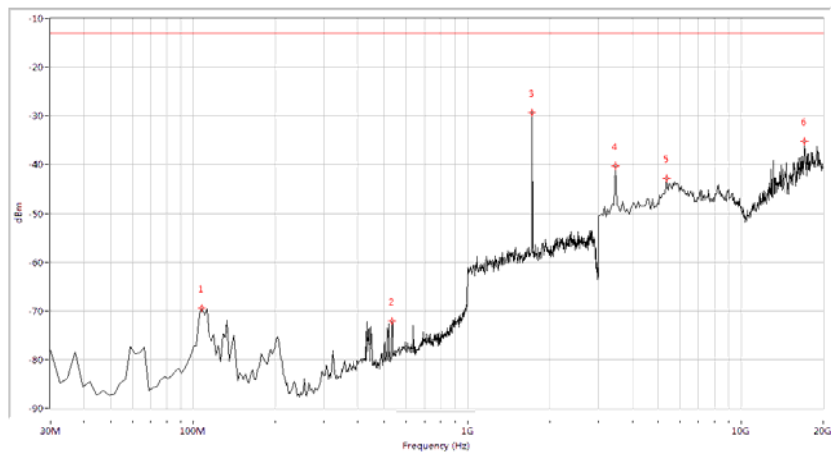


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
59.027	-73.84	-13.0	60.8	293.2	Horizontal	PASS
114.663	-70.91	-13.0	57.9	23.4	Horizontal	PASS
1733.167	-27.21	-13.0	14.2	69.6	Horizontal	N.A
3466.334	-40.86	-13.0	27.9	360.0	Horizontal	PASS
13004.988	-37.40	-13.0	24.4	44.1	Horizontal	PASS
17159.601	-36.28	-13.0	23.3	76.8	Horizontal	PASS

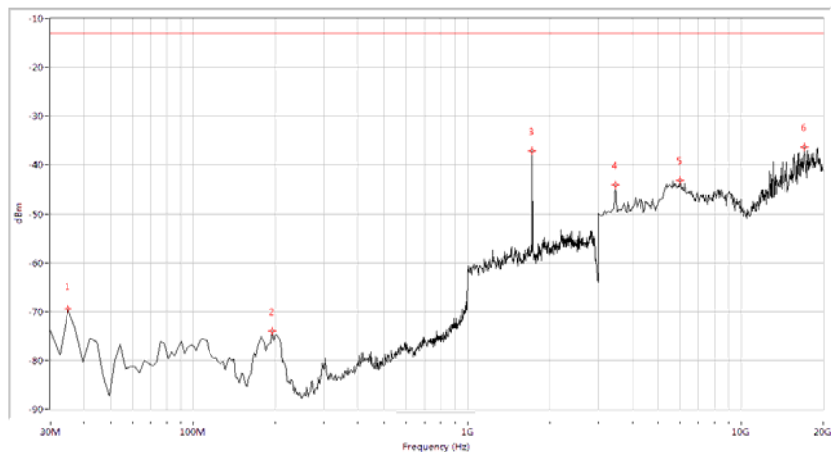


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-69.30	-13.0	56.3	57.1	Vertical	PASS
201.746	-74.81	-13.0	61.8	307.1	Vertical	PASS
1728.180	-37.74	-13.0	24.7	97.1	Vertical	N.A
3466.334	-43.92	-13.0	30.9	59.2	Vertical	PASS
5543.641	-41.75	-13.0	28.7	133.3	Vertical	PASS
16396.509	-36.08	-13.0	23.1	57.1	Vertical	PASS

LTE Band 4 5MHz BW, Mid Channel, QPSK

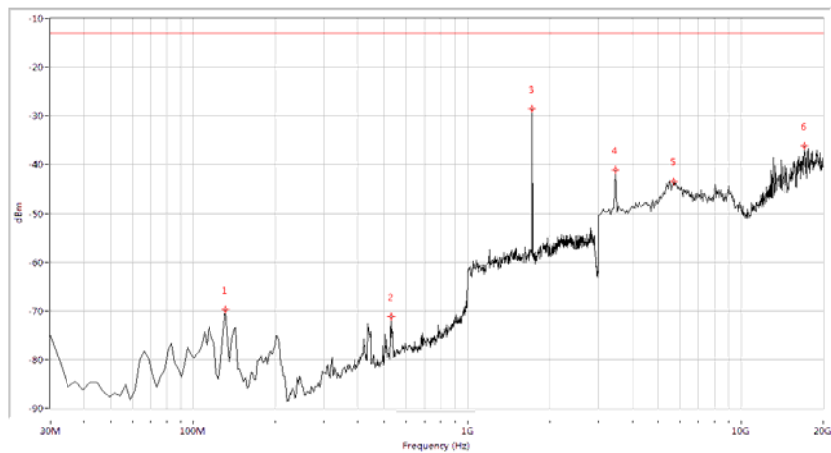


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-69.44	-13.0	56.4	56.2	Horizontal	PASS
533.142	-72.15	-13.0	59.1	199.4	Horizontal	PASS
1728.180	-29.27	-13.0	16.3	335.7	Horizontal	N.A
3466.334	-40.20	-13.0	27.2	263.5	Horizontal	PASS
5374.065	-42.78	-13.0	29.8	166.6	Horizontal	PASS
17159.601	-35.26	-13.0	22.3	74.8	Horizontal	PASS

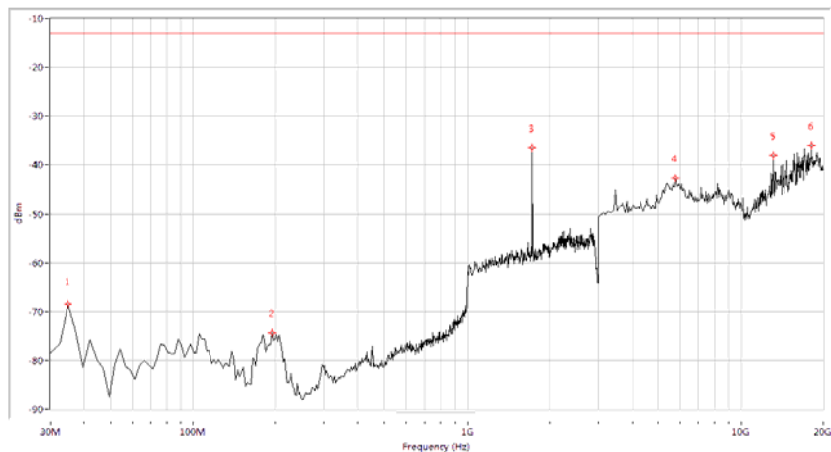


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-69.37	-13.0	56.4	312.6	Vertical	PASS
194.489	-74.03	-13.0	61.0	21.3	Vertical	PASS
1728.180	-37.12	-13.0	24.1	229.9	Vertical	N.A
3466.334	-43.99	-13.0	31.0	87.5	Vertical	PASS
6009.975	-43.14	-13.0	30.1	19.6	Vertical	PASS
17117.207	-36.36	-13.0	23.4	312.6	Vertical	PASS

LTE Band 4 5MHz BW, Mid Channel, 16QAM

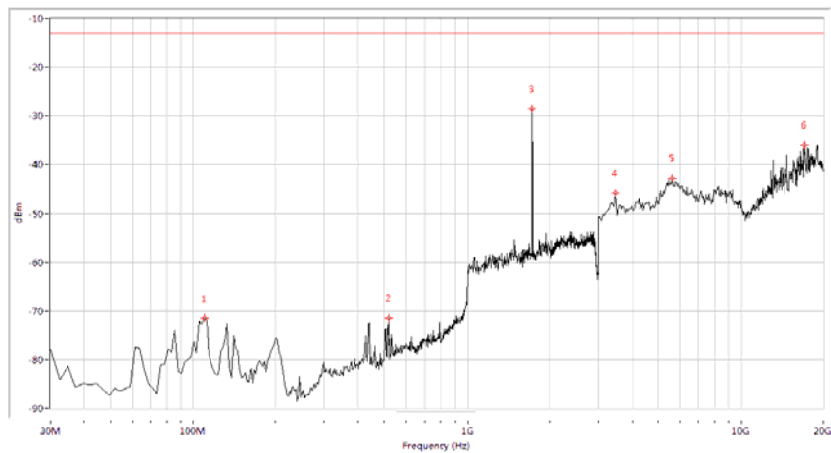


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
131.596	-69.72	-13.0	56.7	174.4	Horizontal	PASS
528.304	-71.13	-13.0	58.1	94.1	Horizontal	PASS
1733.167	-28.55	-13.0	15.5	275.9	Horizontal	N.A
3466.334	-41.01	-13.0	28.0	354.1	Horizontal	PASS
5713.217	-43.50	-13.0	30.5	33.2	Horizontal	PASS
17117.207	-36.18	-13.0	23.2	81.1	Horizontal	PASS

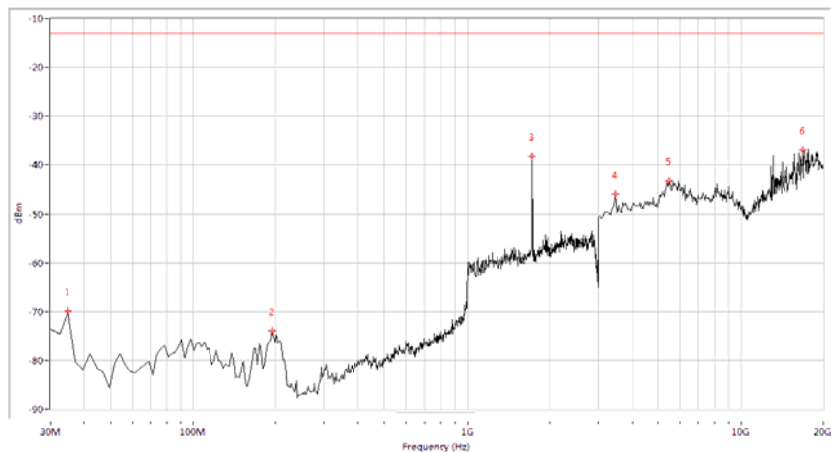


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-68.49	-13.0	55.5	346.6	Vertical	PASS
194.489	-74.29	-13.0	61.3	262.6	Vertical	PASS
1728.180	-36.47	-13.0	23.5	343.2	Vertical	N.A
5798.005	-42.60	-13.0	29.6	360.0	Vertical	PASS
13004.988	-38.01	-13.0	25.0	131.4	Vertical	PASS
18134.663	-35.96	-13.0	23.0	346.6	Vertical	PASS

LTE Band 4 10MHz BW, Mid Channel, QPSK

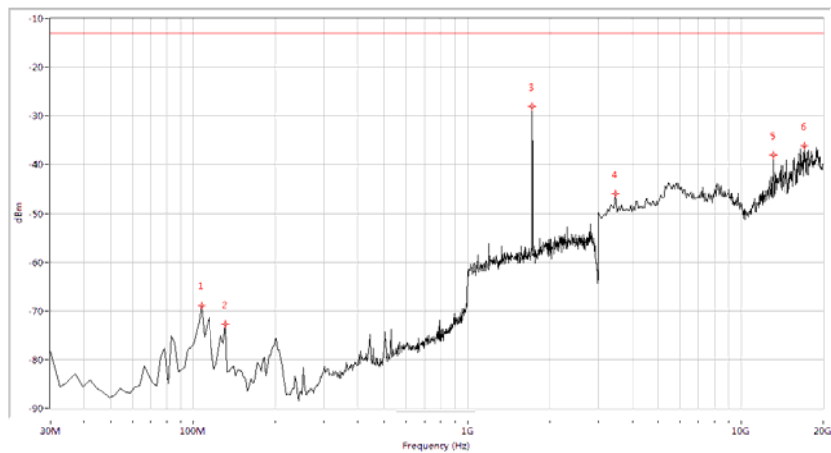


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.39	-13.0	58.4	105.7	Horizontal	PASS
521.047	-71.53	-13.0	58.5	350.1	Horizontal	PASS
1733.167	-28.46	-13.0	15.5	330.9	Horizontal	N.A
3466.334	-45.85	-13.0	32.9	47.1	Horizontal	PASS
5628.429	-42.78	-13.0	29.8	330.3	Horizontal	PASS
17159.601	-36.05	-13.0	23.0	91.9	Horizontal	PASS

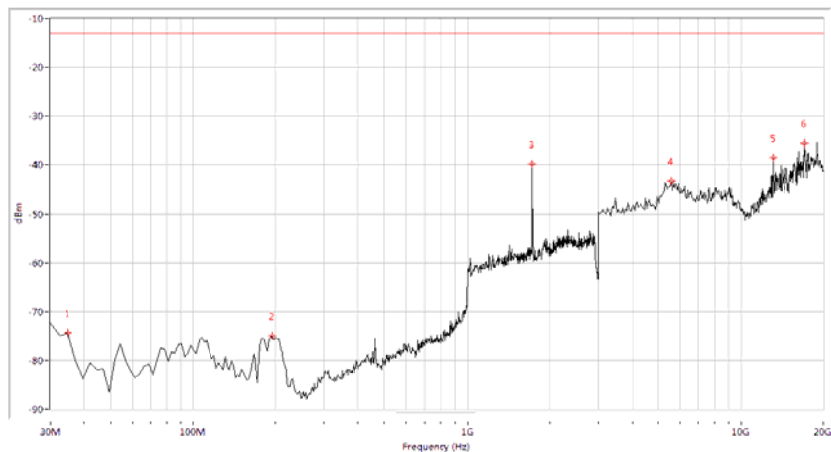


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-69.84	-13.0	56.8	197.1	Vertical	PASS
194.489	-74.04	-13.0	61.0	208.3	Vertical	PASS
1728.180	-38.12	-13.0	25.1	230.8	Vertical	N.A
3466.334	-45.95	-13.0	33.0	316.0	Vertical	PASS
5501.247	-43.32	-13.0	30.3	32.1	Vertical	PASS
16905.237	-36.93	-13.0	23.9	197.1	Vertical	PASS

LTE Band 4 10MHz BW, Mid Channel, 16QAM

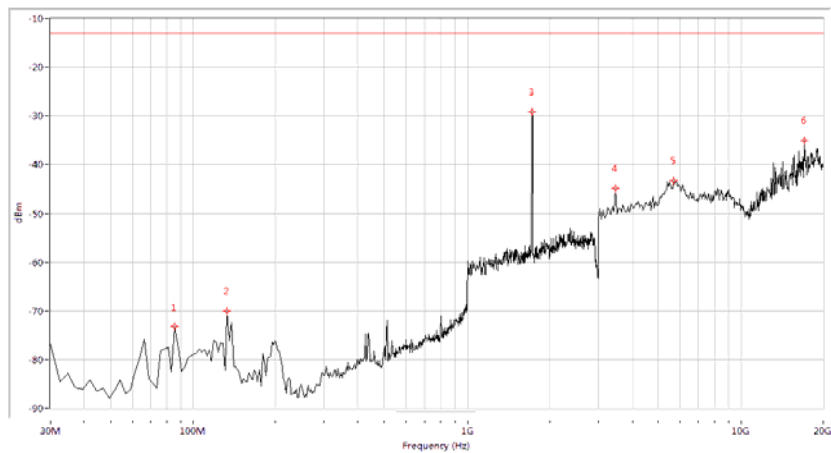


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-68.95	-13.0	56.0	57.2	Horizontal	PASS
131.596	-72.77	-13.0	59.8	190.4	Horizontal	PASS
1733.167	-28.12	-13.0	15.1	0.4	Horizontal	N.A
3466.334	-45.94	-13.0	32.9	110.5	Horizontal	PASS
13004.988	-38.04	-13.0	25.0	99.2	Horizontal	PASS
17159.601	-36.18	-13.0	23.2	333.9	Horizontal	PASS

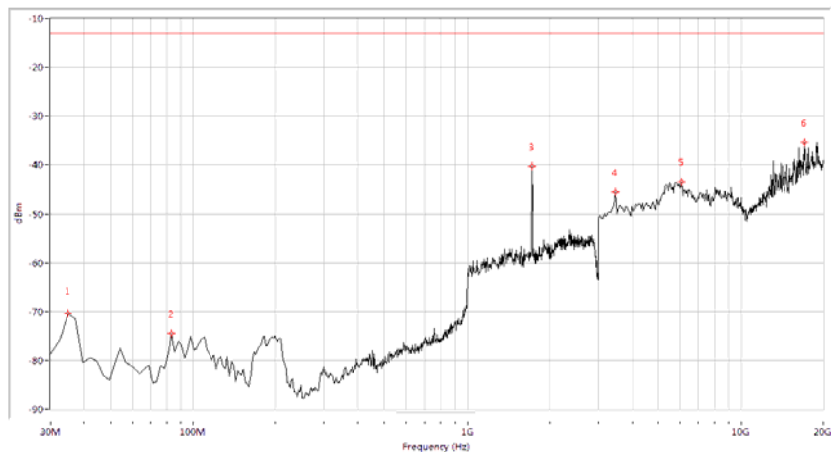


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-74.32	-13.0	61.3	-0.0	Vertical	PASS
194.489	-74.90	-13.0	61.9	262.8	Vertical	PASS
1728.180	-39.82	-13.0	26.8	108.6	Vertical	N.A
5586.035	-43.19	-13.0	30.2	184.9	Vertical	PASS
13004.988	-38.58	-13.0	25.6	83.1	Vertical	PASS
17159.601	-35.49	-13.0	22.5	-0.0	Vertical	PASS

LTE Band 4 15MHz BW, Mid Channel, QPSK

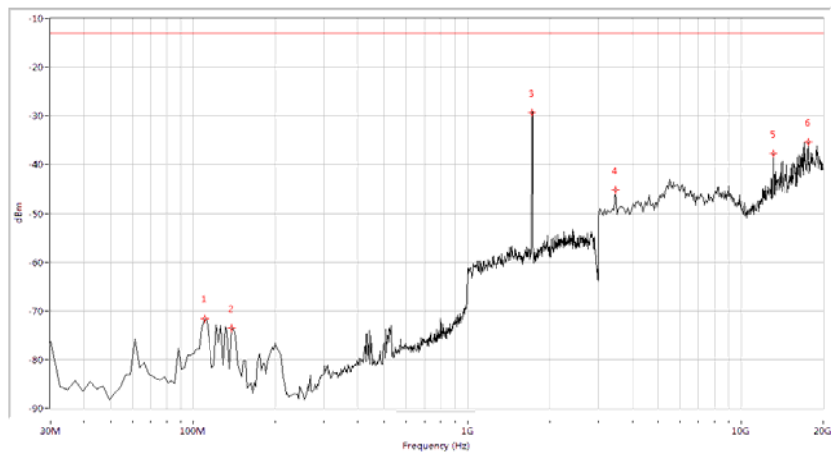


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
85.636	-73.21	-13.0	60.2	210.7	Horizontal	PASS
134.015	-70.01	-13.0	57.0	-0.0	Horizontal	PASS
1733.167	-29.16	-13.0	16.2	253.4	Horizontal	N.A
3466.334	-44.85	-13.0	31.8	350.1	Horizontal	PASS
5713.217	-43.30	-13.0	30.3	142.3	Horizontal	PASS
17159.601	-35.06	-13.0	22.1	142.3	Horizontal	PASS

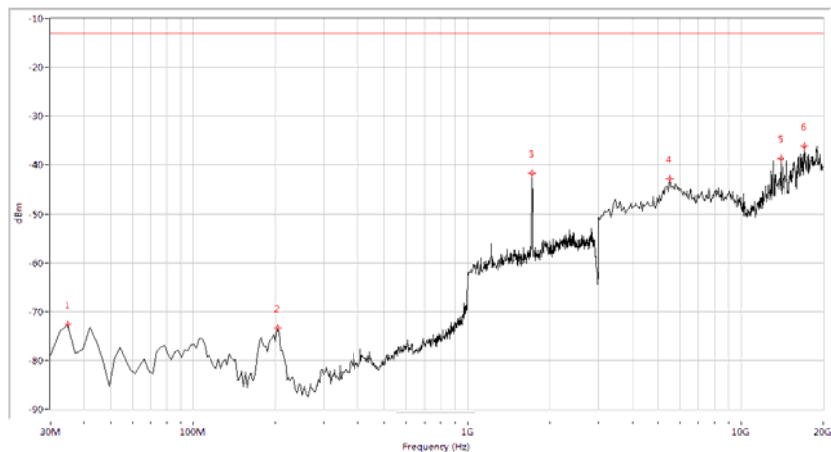


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-70.39	-13.0	57.4	152.2	Vertical	PASS
83.217	-74.50	-13.0	61.5	274.5	Vertical	PASS
1723.192	-40.27	-13.0	27.3	97.6	Vertical	N.A
3466.334	-45.52	-13.0	32.5	21.0	Vertical	PASS
6094.763	-43.41	-13.0	30.4	130.3	Vertical	PASS
17159.601	-35.34	-13.0	22.3	152.2	Vertical	PASS

LTE Band 4 15MHz BW, Mid Channel, 16QAM

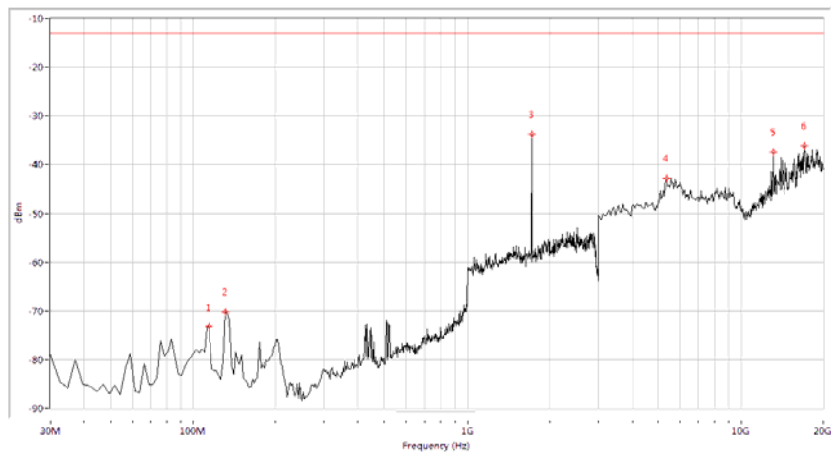


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.58	-13.0	58.6	158.7	Horizontal	PASS
138.853	-73.59	-13.0	60.6	47.2	Horizontal	PASS
1733.167	-29.40	-13.0	16.4	0.4	Horizontal	N.A
3466.334	-45.18	-13.0	32.2	250.6	Horizontal	PASS
13047.382	-37.67	-13.0	24.7	260.6	Horizontal	PASS
17625.935	-35.39	-13.0	22.4	105.6	Horizontal	PASS

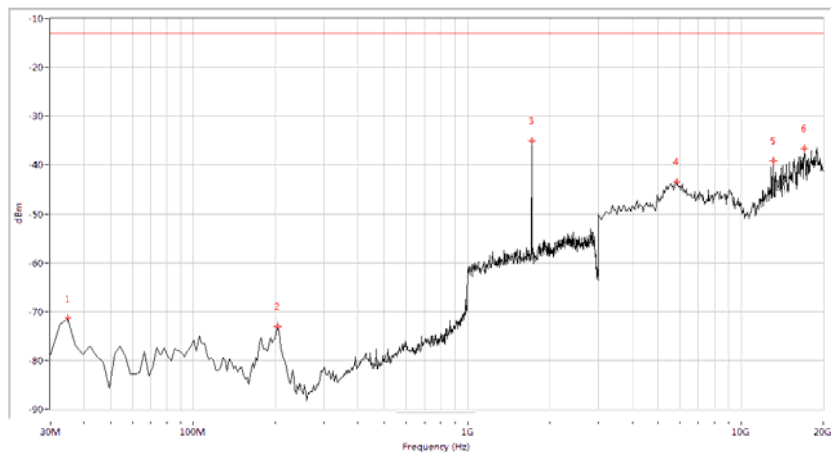


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-72.60	-13.0	59.6	82.4	Vertical	PASS
204.165	-73.37	-13.0	60.4	173.9	Vertical	PASS
1728.180	-41.70	-13.0	28.7	232.0	Vertical	N.A
5543.641	-42.79	-13.0	29.8	333.2	Vertical	PASS
13895.262	-38.75	-13.0	25.7	16.2	Vertical	PASS
17159.601	-36.11	-13.0	23.1	82.4	Vertical	PASS

LTE Band 4 20MHz BW, Mid Channel, QPSK

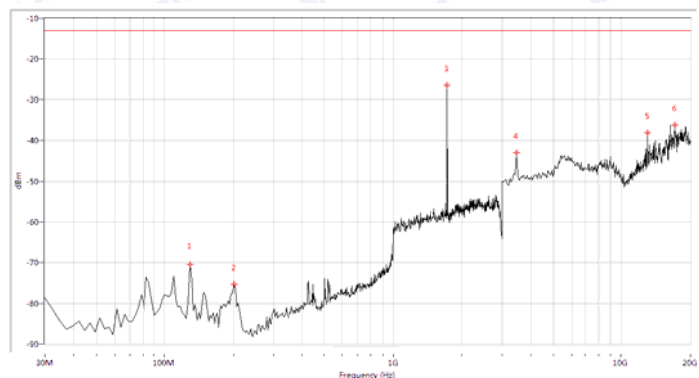


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-73.18	-13.0	60.2	78.0	Horizontal	PASS
131.596	-70.26	-13.0	57.3	245.0	Horizontal	PASS
1723.192	-33.83	-13.0	20.8	0.3	Horizontal	N.A
5374.065	-42.80	-13.0	29.8	-0.0	Horizontal	PASS
13004.988	-37.34	-13.0	24.3	276.6	Horizontal	PASS
17159.601	-36.09	-13.0	23.1	130.0	Horizontal	PASS

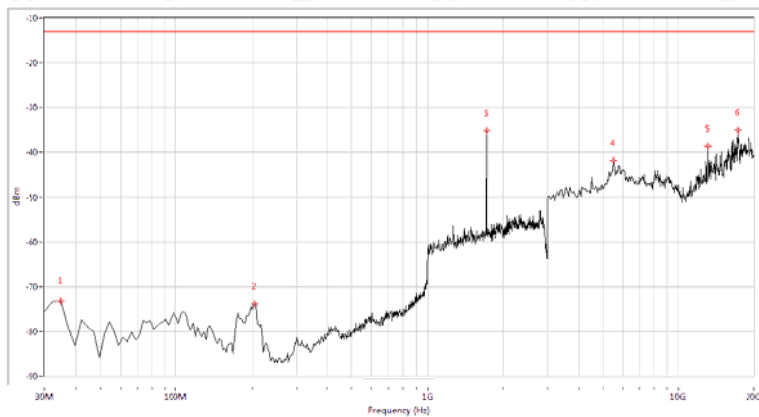


Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-71.33	-13.0	58.3	269.2	Vertical	PASS
204.165	-73.09	-13.0	60.1	248.0	Vertical	PASS
1723.192	-35.06	-13.0	22.1	131.7	Vertical	N.A
5840.399	-43.47	-13.0	30.5	4.9	Vertical	PASS
13047.382	-39.17	-13.0	26.2	196.2	Vertical	PASS
17159.601	-36.60	-13.0	23.6	269.2	Vertical	PASS

LTE Band 4 20MHz BW, Mid Channel, 16QAM



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
129.177	-70.52	-13.0	57.5	60.3	Horizontal	PASS
201.746	-75.38	-13.0	62.4	27.9	Horizontal	PASS
1733.167	-26.43	-13.0	13.4	-0.0	Horizontal	N.A
3466.334	-42.98	-13.0	30.0	145.7	Horizontal	PASS
13004.988	-38.05	-13.0	25.1	9.1	Horizontal	PASS
17159.601	-36.12	-13.0	23.1	360.0	Horizontal	PASS



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-73.14	-13.0	60.1	1.9	Vertical	PASS
204.165	-73.80	-13.0	60.8	47.6	Vertical	PASS
1723.192	-35.21	-13.0	22.2	108.8	Vertical	N.A
5543.641	-41.91	-13.0	28.9	291.8	Vertical	PASS
13047.382	-38.72	-13.0	25.7	301.2	Vertical	PASS
17159.601	-35.07	-13.0	22.1	1.9	Vertical	PASS

***** END OF REPORT *****