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LTE Band 2	1.4MHz	L 18607	1850.7	QPSK	1	0	23.09
					6	0	23.62
				16-QAM	1	0	22.46
					6	0	21.73
		18900	1880	QPSK	1	0	22.40
					6	0	22.59
				16-QAM	1	0	22.42
					6	0	21.35
		H 19193	1909.3	QPSK	1	0	23.44
					6	0	23.05
				16-QAM	1	0	22.84
					6	0	22.22

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	20MHz	L 20050	1720.0	QPSK	1	0	23.54
					100	0	22.39
				16-QAM	1	0	23.17
					100	0	21.49
		M 20175	1732.5	QPSK	1	0	23.64
					100	0	22.58
				16-QAM	1	0	22.40
					100	0	21.55
		H 20300	1745.0	QPSK	1	0	23.62
					100	0	22.29
				16-QAM	1	0	22.84
					100	0	21.37
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	15MHz	L 20025	1717.5	QPSK	1	0	23.27
					75	0	22.50
				16-QAM	1	0	23.08
					75	0	21.18
		M 20175	1732.5	QPSK	1	0	23.67
					75	0	22.59
				16-QAM	1	0	22.68
					75	0	21.25
		H 20325	1747.5	QPSK	1	0	23.87
					75	0	22.36
				16-QAM	1	0	22.43
					75	0	21.52
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	



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LTE Band 4	10MHz	L 20000	1715.0	QPSK	1	0	22.65
				16-QAM	50	0	23.11
					1	0	23.93
					50	0	21.71
		M 20175	1732.5	QPSK	1	0	23.38
				16-QAM	50	0	22.76
					1	0	22.70
					50	0	21.81
		H 20350	1750.0	QPSK	1	0	23.12
				16-QAM	50	0	23.27
					1	0	22.46
					50	0	22.33

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	5MHz	L 19975	1712.5	QPSK	1	0	23.89
				16-QAM	25	0	22.35
					1	0	23.08
					25	0	22.77
		M 20175	1732.5	QPSK	1	0	23.12
				16-QAM	25	0	22.57
					1	0	22.49
					25	0	22.44
		H 20375	1752.5	QPSK	1	0	23.07
				16-QAM	25	0	23.01
					1	0	22.98
					25	0	22.50
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	3MHz	L 19965	1711.5	QPSK	1	0	23.74
				16-QAM	15	0	22.58
					1	0	23.13
					15	0	21.69
		M 20175	1732.5	QPSK	1	0	23.58
				16-QAM	15	0	22.42
					1	0	22.55
					15	0	21.53
		H 20385	1753.5	QPSK	1	0	23.23
				16-QAM	15	0	22.73
					1	0	22.64
					15	0	22.44
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	



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LTE Band 4	1.4MHz	L 19957	1710.7	QPSK	1	0	23.67
				16-QAM	6	0	23.48
					1	0	23.33
					6	0	22.99
		M 20175	1732.5	QPSK	1	0	23.62
				16-QAM	6	0	22.47
					1	0	22.63
					6	0	21.15
		H 20393	1754.3	QPSK	1	0	23.29
				16-QAM	6	0	22.36
					1	0	22.50
					6	0	21.47

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 5	10MHz	L 20450	829	QPSK	1	0	23.56
				16-QAM	50	0	23.14
					1	0	22.59
					50	0	22.21
		M 20525	836.5	QPSK	1	0	23.67
				16-QAM	50	0	22.74
					1	0	23.12
					50	0	21.64
		H 20600	844	QPSK	1	0	23.51
				16-QAM	50	0	22.70
					1	0	22.57
					50	0	21.54
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 5	5MHz	L 20425	826.5	QPSK	1	0	23.69
				16-QAM	25	0	23.27
					1	0	22.97
					25	0	22.80
		M 20525	836.5	QPSK	1	0	23.53
				16-QAM	25	0	23.22
					1	0	22.71
					25	0	22.26
		H 20625	846.5	QPSK	1	0	23.50
				16-QAM	25	0	23.14
					1	0	22.59
					25	0	22.24
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	



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LTE Band 5	3MHz	L 20415	825.5	QPSK	1	0	23.47
				16-QAM	15	0	23.08
					1	0	23.11
					15	0	22.51
		M 20525	836.5	QPSK	1	0	23.43
				16-QAM	15	0	23.23
					1	0	23.04
					15	0	22.28
		H 20635	847.5	QPSK	1	0	23.16
				16-QAM	15	0	22.57
					1	0	22.40
					15	0	22.23

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 5	1.4MHz	L 20407	824.7	QPSK	1	0	23.59
				16-QAM	6	0	22.66
					1	0	22.90
					6	0	22.02
		M 20525	836.5	QPSK	1	0	22.88
				16-QAM	6	0	22.81
					1	0	22.73
					6	0	22.29
		H 20643	848.3	QPSK	1	0	23.48
				16-QAM	6	0	23.71
					1	0	22.26
					6	0	21.40

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 12	10MHz	L 23060	704	QPSK	1	0	23.52
				16-QAM	50	0	22.49
					1	0	23.04
					50	0	21.76
		M 23095	707.5	QPSK	1	0	23.29
				16-QAM	50	0	22.37
					1	0	22.51
					50	0	21.67
		H 23130	711	QPSK	1	0	23.68
				16-QAM	50	0	22.83
					1	0	23.31
					50	0	21.79
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP



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					RB Size	RB Offset	(dBm)
LTE Band 12	5MHz	L 23035	701.5	QPSK	1	0	23.54
					25	0	22.11
			16-QAM		1	0	23.18
					25	0	21.55
		M 23095	707.5	QPSK	1	0	23.64
					25	0	21.88
			16-QAM		1	0	22.93
					25	0	22.08
		H 23155	713.5	QPSK	1	0	23.82
					25	0	21.02
			16-QAM		1	0	22.63
					25	0	22.21
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 12	3MHz	L 23025	700.5	QPSK	1	0	23.18
					15	0	23.29
			16-QAM		1	0	22.79
					15	0	22.46
		M 23095	707.5	QPSK	1	0	23.64
					15	0	23.42
			16-QAM		1	0	22.24
					15	0	21.34
		H 23165	714.5	QPSK	1	0	23.24
					15	0	23.27
			16-QAM		1	0	22.86
					15	0	22.77
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 12	1.4MHz	L 23017	699.7	QPSK	1	0	23.18
					6	0	23.29
			16-QAM		1	0	22.79
					6	0	22.46
		M 23095	707.5	QPSK	1	0	23.64
					6	0	23.42
			16-QAM		1	0	22.24
					6	0	21.34
		H 23173	715.3	QPSK	1	0	23.24
					6	0	23.27
			16-QAM		1	0	22.86
					6	0	22.77



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. Test Antenna height is varied from 1m to 4m above the ground, and the Turn Table is actuated to turn from 0° to 360°, 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.

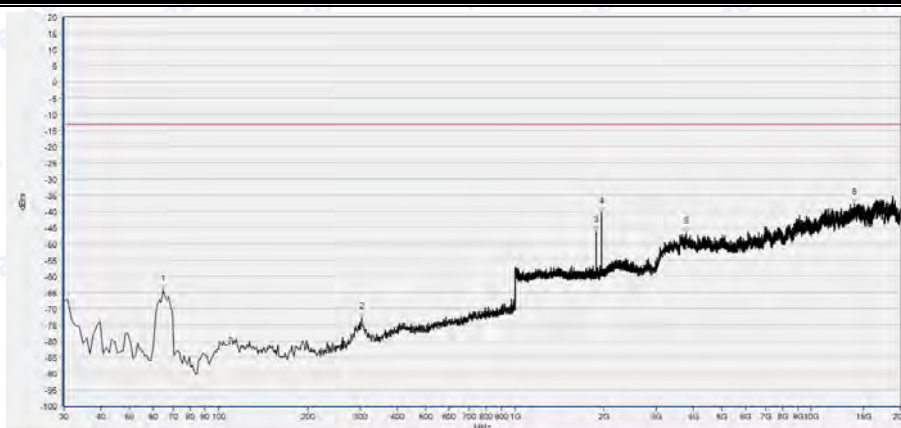
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



LTE Band 2 1.4MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-72.26	-13.00	Horizontal	PASS
2	301.600	-74.98	-13.00	Horizontal	PASS
3	1880.352	-46.53	-13.00	Horizontal	PASS
4	1960.384	-39.35	-13.00	Horizontal	PASS
5	3628.369	-47.76	-13.00	Horizontal	PASS
6	14402.510	-37.32	-13.00	Horizontal	PASS



Num.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	64.920	-64.23	-13.00	Vertical	PASS
2	303.540	-72.95	-13.00	Vertical	PASS
3	1880.352	-46.08	-13.00	Vertical	PASS
4	1960.384	-40.45	-13.00	Vertical	PASS
5	3792.908	-46.75	-13.00	Vertical	PASS
6	13997.490	-37.53	-13.00	Vertical	PASS



LTE Band 2 1.4MHz BW, Mid Channel, 16QAM



Num	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	64.920	-71.16	-13.00	Horizontal	PASS
2	193.930	-74.68	-13.00	Horizontal	PASS
3	652.740	-71.28	-13.00	Horizontal	PASS
4	1880.352	-46.04	-13.00	Horizontal	PASS
5	1960.384	-41.15	-13.00	Horizontal	PASS
6	6536.279	-45.18	-13.00	Horizontal	PASS



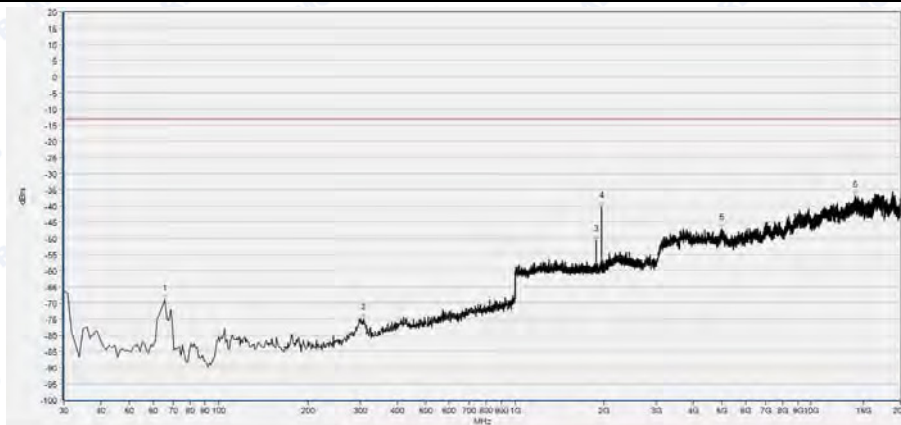
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-66.43	-13.00	Vertical	PASS
2	297.720	-73.40	-13.00	Vertical	PASS
3	1880.352	-46.55	-13.00	Vertical	PASS
4	1960.384	-40.59	-13.00	Vertical	PASS
5	3634.697	-46.70	-13.00	Vertical	PASS
6	14269.613	-37.19	-13.00	Vertical	PASS



LTE Band 2 3MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-74.77	-13.00	Horizontal	PASS
2	192.960	-76.58	-13.00	Horizontal	PASS
3	1880.992	-60.44	-13.00	Horizontal	PASS
4	1959.744	-41.54	-13.00	Horizontal	PASS
5	3751.773	-46.63	-13.00	Horizontal	PASS
6	14408.838	-36.41	-13.00	Horizontal	PASS



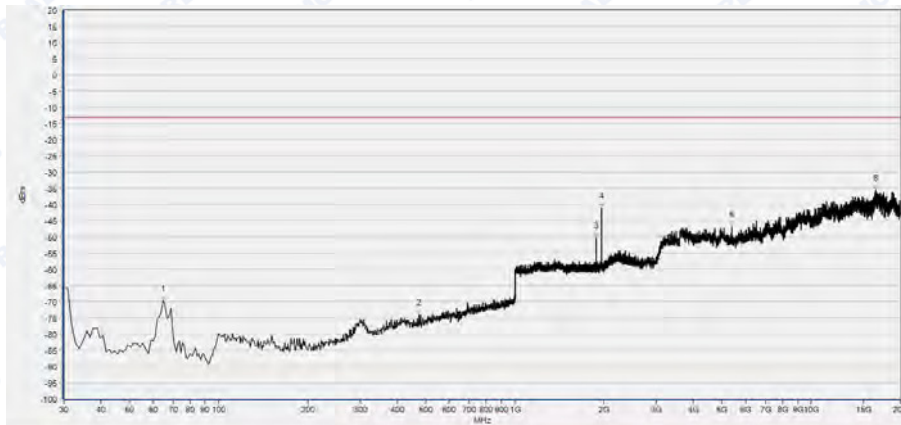
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-69.02	-13.00	Vertical	PASS
2	308.390	-75.00	-13.00	Vertical	PASS
3	1880.992	-58.79	-13.00	Vertical	PASS
4	1960.384	-40.51	-13.00	Vertical	PASS
5	4985.816	-47.13	-13.00	Vertical	PASS
6	14010.147	-37.23	-13.00	Vertical	PASS



LTE Band 2 3MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-72.84	-13.00	Horizontal	PASS
2	297.720	-74.55	-13.00	Horizontal	PASS
3	1880.992	-60.03	-13.00	Horizontal	PASS
4	1959.744	-43.21	-13.00	Horizontal	PASS
5	3777.087	-47.04	-13.00	Horizontal	PASS
6	13579.815	-37.11	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-69.83	-13.00	Vertical	PASS
2	474.260	-73.99	-13.00	Vertical	PASS
3	1880.992	-60.33	-13.00	Vertical	PASS
4	1959.744	-41.21	-13.00	Vertical	PASS
5	5390.835	-46.79	-13.00	Vertical	PASS
6	16465.576	-35.76	-13.00	Vertical	PASS



LTE Band 2 5MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-70.28	-13.00	Horizontal	PASS
2	302.570	-74.24	-13.00	Horizontal	PASS
3	725.490	-69.39	-13.00	Horizontal	PASS
4	1879.072	-48.36	-13.00	Horizontal	PASS
5	1961.665	-39.25	-13.00	Horizontal	PASS
6	14000.655	-35.71	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.010	-67.40	-13.00	Vertical	PASS
2	299.660	-75.11	-13.00	Vertical	PASS
3	1879.072	-47.80	-13.00	Vertical	PASS
4	1959.104	-37.97	-13.00	Vertical	PASS
5	3631.533	-47.32	-13.00	Vertical	PASS
6	11725.586	-37.54	-13.00	Vertical	PASS



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LTE Band 2 5MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-71.15	-13.00	Horizontal	PASS
2	192.960	-73.59	-13.00	Horizontal	PASS
3	1879.072	-47.28	-13.00	Horizontal	PASS
4	1959.104	-36.66	-13.00	Horizontal	PASS
5	3628.369	-45.99	-13.00	Horizontal	PASS
6	11719.258	-39.02	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-66.99	-13.00	Vertical	PASS
2	297.720	-74.40	-13.00	Vertical	PASS
3	1878.431	-48.39	-13.00	Vertical	PASS
4	1961.024	-38.29	-13.00	Vertical	PASS
5	4159.956	-47.49	-13.00	Vertical	PASS
6	16383.306	-35.90	-13.00	Vertical	PASS



LTE Band 2 10MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-68.53	-13.00	Horizontal	PASS
2	194.900	-75.99	-13.00	Horizontal	PASS
3	1877.151	-49.33	-13.00	Horizontal	PASS
4	1957.823	-37.85	-13.00	Horizontal	PASS
5	3691.653	-46.57	-13.00	Horizontal	PASS
6	13579.815	-38.29	-13.00	Horizontal	PASS



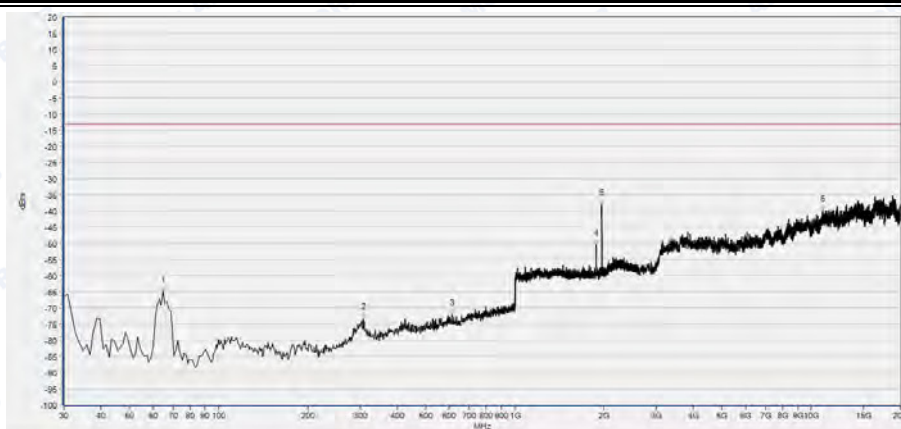
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-66.78	-13.00	Vertical	PASS
2	300.630	-74.30	-13.00	Vertical	PASS
3	718.700	-69.24	-13.00	Vertical	PASS
4	1879.712	-49.42	-13.00	Vertical	PASS
5	1957.823	-36.62	-13.00	Vertical	PASS
6	11693.944	-38.76	-13.00	Vertical	PASS



LTE Band 2 10MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-65.39	-13.00	Horizontal	PASS
2	199.750	-74.58	-13.00	Horizontal	PASS
3	703.180	-69.82	-13.00	Horizontal	PASS
4	1877.151	-45.17	-13.00	Horizontal	PASS
5	1959.744	-34.41	-13.00	Horizontal	PASS
6	10830.115	-37.84	-13.00	Horizontal	PASS



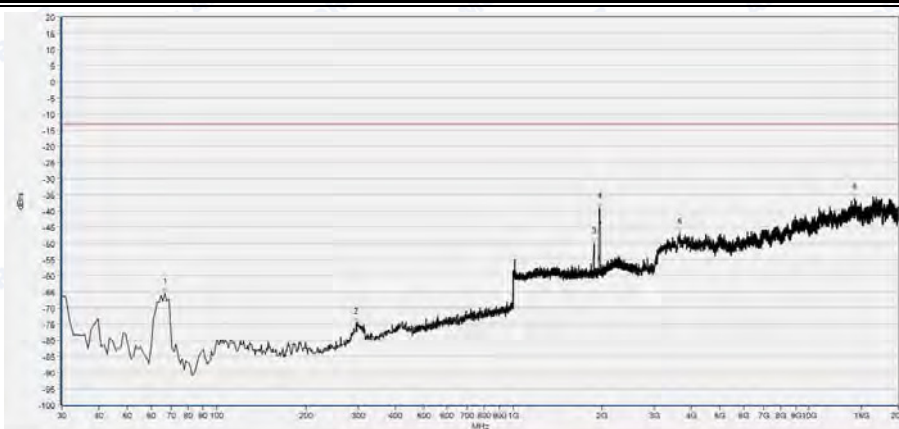
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-64.91	-13.00	Vertical	PASS
2	307.420	-73.43	-13.00	Vertical	PASS
3	612.000	-72.22	-13.00	Vertical	PASS
4	1877.151	-50.48	-13.00	Vertical	PASS
5	1959.744	-38.18	-13.00	Vertical	PASS
6	10925.041	-40.01	-13.00	Vertical	PASS



LTE Band 2 15MHz BW, Mid Channel, QPSK



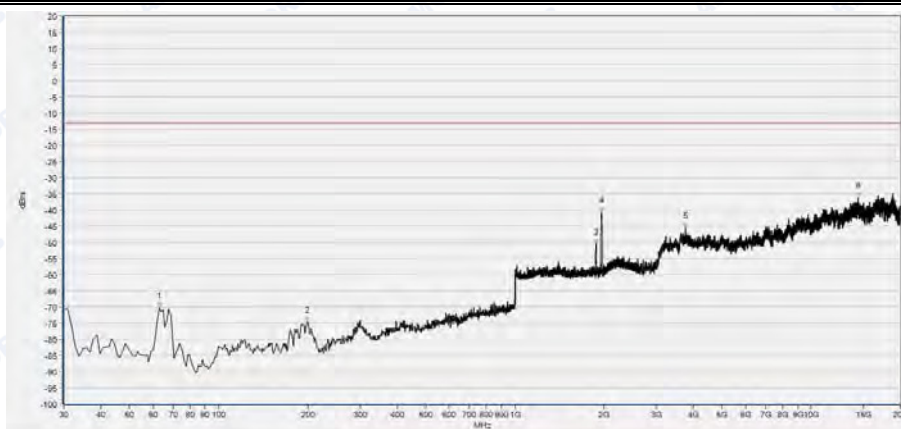
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-69.01	-13.00	Horizontal	PASS
2	302.570	-74.23	-13.00	Horizontal	PASS
3	1875.230	-51.04	-13.00	Horizontal	PASS
4	1955.262	-40.26	-13.00	Horizontal	PASS
5	5675.614	-46.84	-13.00	Horizontal	PASS
6	14393.017	-36.02	-13.00	Horizontal	PASS



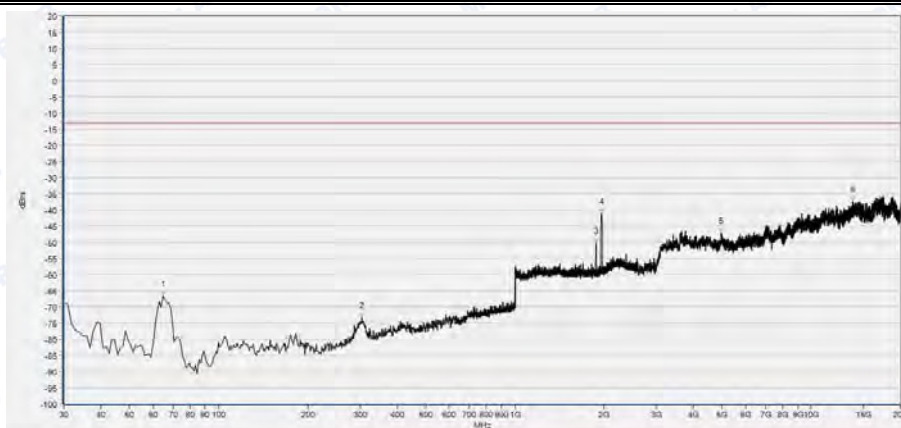
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	66.860	-65.43	-13.00	Vertical	PASS
2	295.780	-74.80	-13.00	Vertical	PASS
3	1874.590	-50.09	-13.00	Vertical	PASS
4	1959.744	-39.14	-13.00	Vertical	PASS
5	3656.847	-46.93	-13.00	Vertical	PASS
6	14200.000	-36.11	-13.00	Vertical	PASS



LTE Band 2 15MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-70.27	-13.00	Horizontal	PASS
2	198.780	-74.82	-13.00	Horizontal	PASS
3	1874.590	-50.51	-13.00	Horizontal	PASS
4	1957.183	-40.75	-13.00	Horizontal	PASS
5	3754.937	-45.40	-13.00	Horizontal	PASS
6	14383.524	-36.25	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-66.61	-13.00	Vertical	PASS
2	303.540	-73.28	-13.00	Vertical	PASS
3	1874.590	-50.33	-13.00	Vertical	PASS
4	1953.982	-41.14	-13.00	Vertical	PASS
5	4969.995	-47.04	-13.00	Vertical	PASS
6	13785.488	-37.33	-13.00	Vertical	PASS

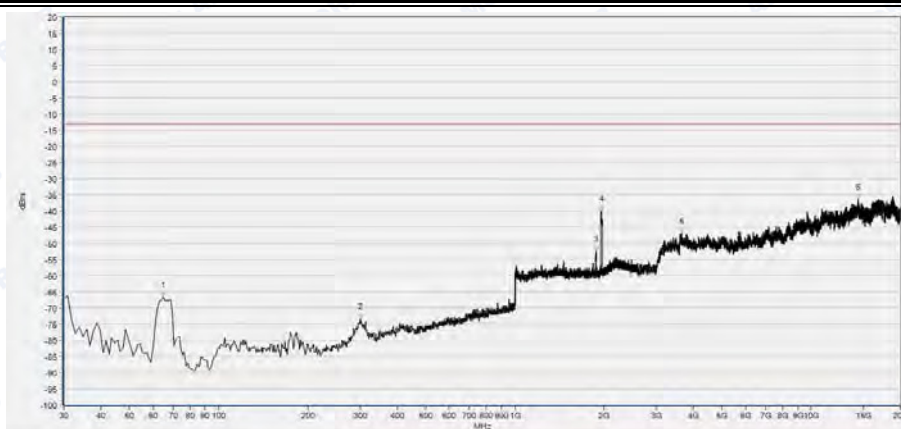


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LTE Band 2 20MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-68.80	-13.00	Horizontal	PASS
2	192.960	-74.50	-13.00	Horizontal	PASS
3	1876.511	-51.98	-13.00	Horizontal	PASS
4	1952.701	-39.41	-13.00	Horizontal	PASS
5	3612.548	-45.88	-13.00	Horizontal	PASS
6	16889.580	-34.96	-13.00	Horizontal	PASS

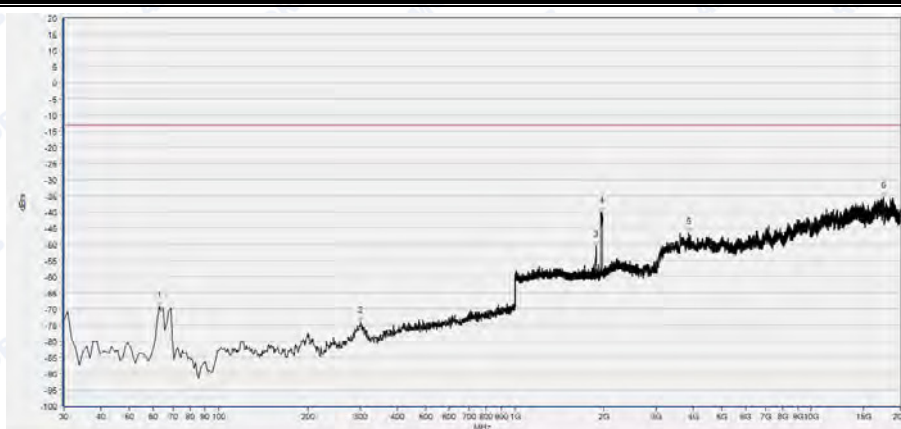


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-66.74	-13.00	Vertical	PASS
2	300.630	-73.43	-13.00	Vertical	PASS
3	1876.511	-52.31	-13.00	Vertical	PASS
4	1955.902	-40.05	-13.00	Vertical	PASS
5	3653.682	-47.01	-13.00	Vertical	PASS
6	14408.838	-36.44	-13.00	Vertical	PASS

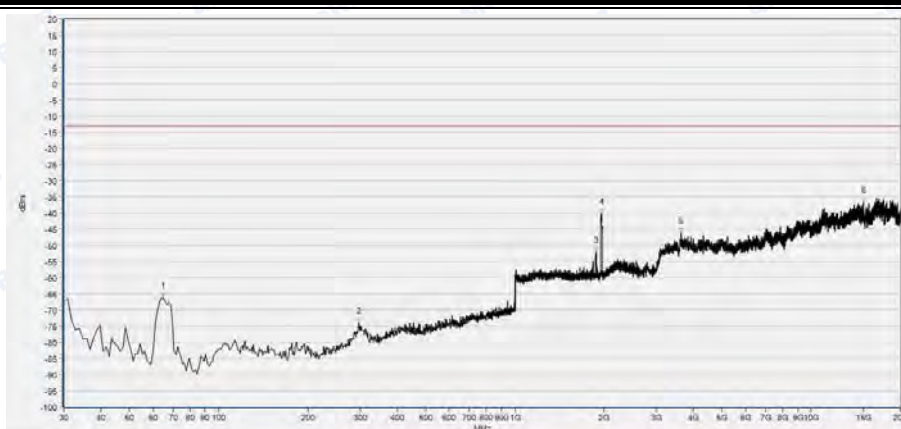


REPORT No.: SZ16030142W05

LTE Band 2 20MHz BW, Mid Channel, 16QAM



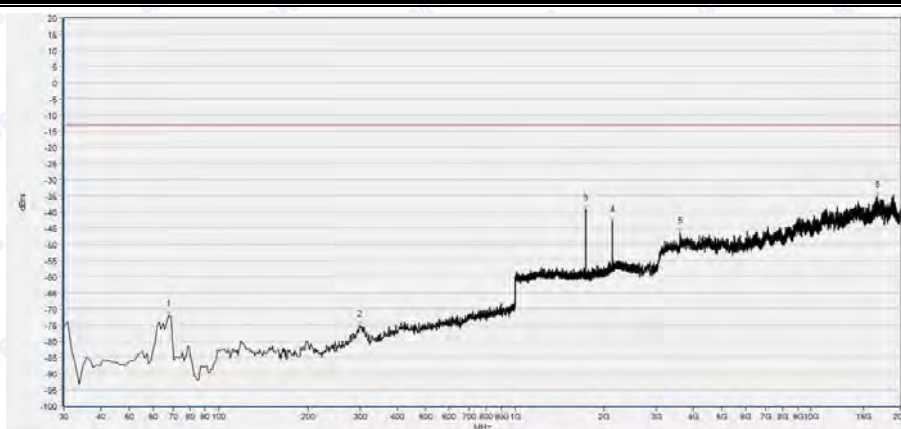
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-69.31	-13.00	Horizontal	PASS
2	301.600	-73.98	-13.00	Horizontal	PASS
3	1875.230	-50.48	-13.00	Horizontal	PASS
4	1954.622	-40.31	-13.00	Horizontal	PASS
5	3849.864	-46.70	-13.00	Horizontal	PASS
6	17500.273	-35.52	-13.00	Horizontal	PASS



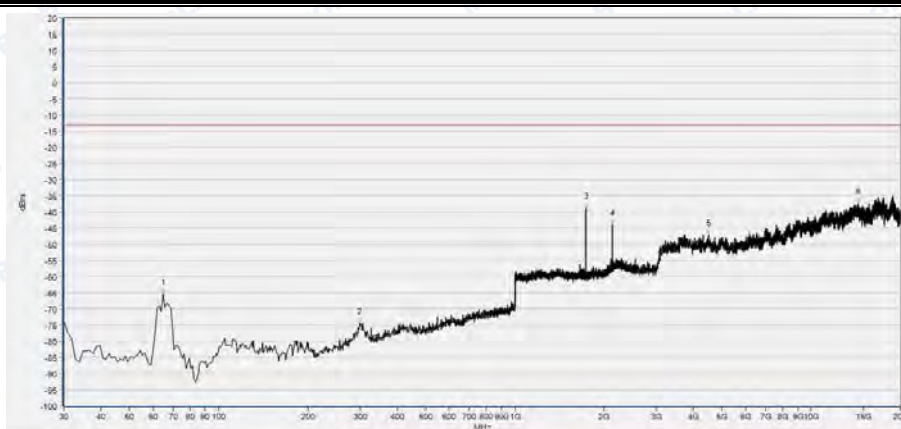
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-66.09	-13.00	Vertical	PASS
2	297.720	-73.99	-13.00	Vertical	PASS
3	1874.590	-52.10	-13.00	Vertical	PASS
4	1955.262	-40.25	-13.00	Vertical	PASS
5	3641.026	-46.16	-13.00	Vertical	PASS
6	14962.575	-36.64	-13.00	Vertical	PASS



LTE Band 4 1.4MHz BW, Mid Channel, QPSK



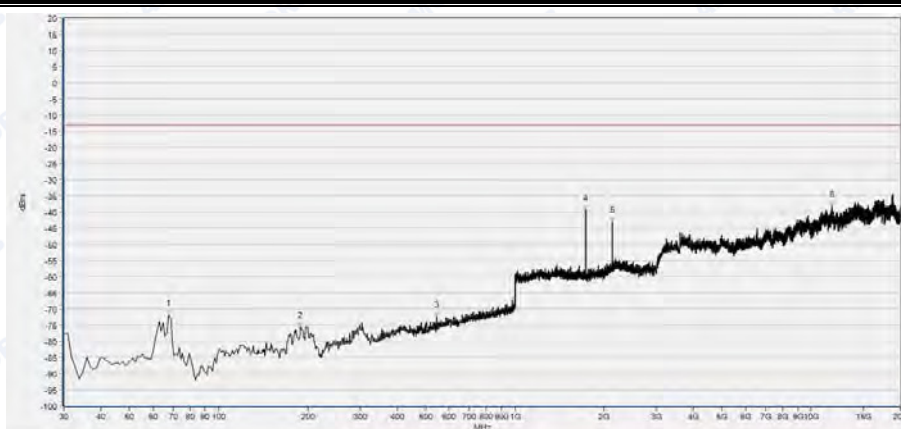
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-72.16	-13.00	Horizontal	PASS
2	298.690	-75.27	-13.00	Horizontal	PASS
3	1732.453	-39.34	-13.00	Horizontal	PASS
4	2132.613	-42.80	-13.00	Horizontal	PASS
5	3603.055	-46.46	-13.00	Horizontal	PASS
6	16750.355	-35.35	-13.00	Horizontal	PASS



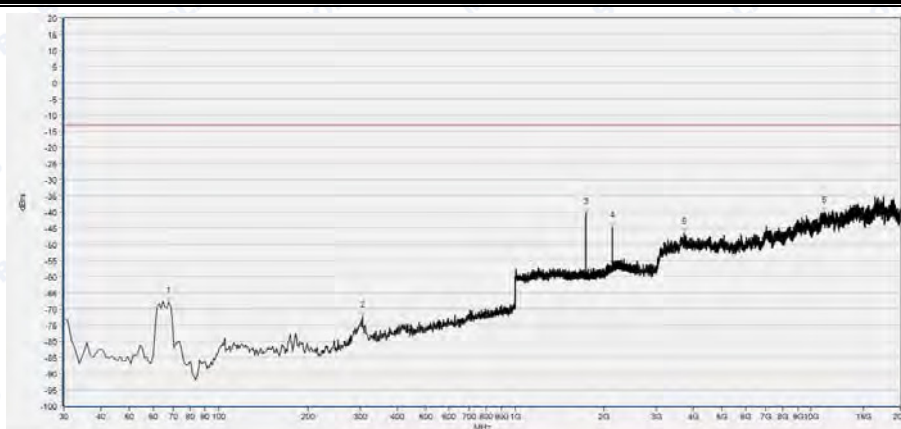
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-65.58	-13.00	Vertical	PASS
2	299.660	-74.47	-13.00	Vertical	PASS
3	1733.093	-38.89	-13.00	Vertical	PASS
4	2133.253	-43.98	-13.00	Vertical	PASS
5	4501.691	-47.13	-13.00	Vertical	PASS
6	14412.002	-37.44	-13.00	Vertical	PASS



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



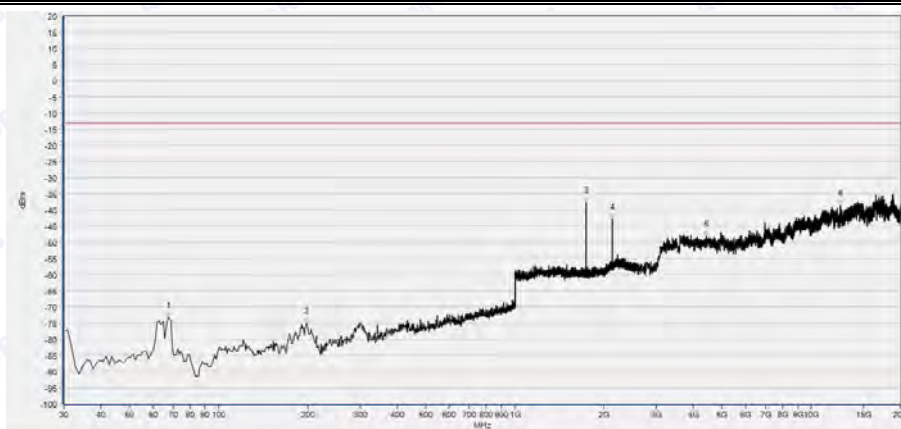
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-71.81	-13.00	Horizontal	PASS
2	189.080	-75.78	-13.00	Horizontal	PASS
3	544.100	-72.41	-13.00	Horizontal	PASS
4	1732.453	-39.59	-13.00	Horizontal	PASS
5	2132.613	-43.18	-13.00	Horizontal	PASS
6	11750.900	-38.33	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-67.89	-13.00	Vertical	PASS
2	305.480	-72.35	-13.00	Vertical	PASS
3	1733.093	-40.51	-13.00	Vertical	PASS
4	2133.253	-44.80	-13.00	Vertical	PASS
5	3723.295	-46.68	-13.00	Vertical	PASS
6	11076.923	-40.04	-13.00	Vertical	PASS



LTE Band 4 3MHz BW, Mid Channel, QPSK



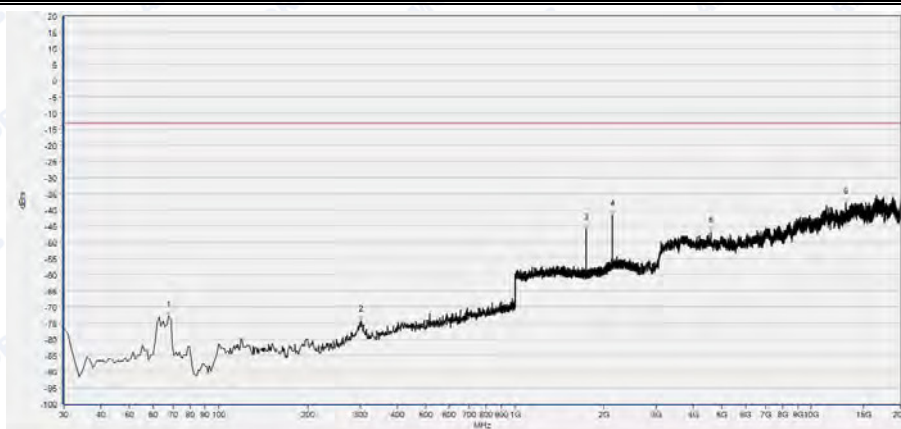
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-73.33	-13.00	Horizontal	PASS
2	197.810	-75.09	-13.00	Horizontal	PASS
3	1734.374	-37.62	-13.00	Horizontal	PASS
4	2132.613	-42.92	-13.00	Horizontal	PASS
5	4425.750	-47.99	-13.00	Horizontal	PASS
6	12507.147	-38.47	-13.00	Horizontal	PASS



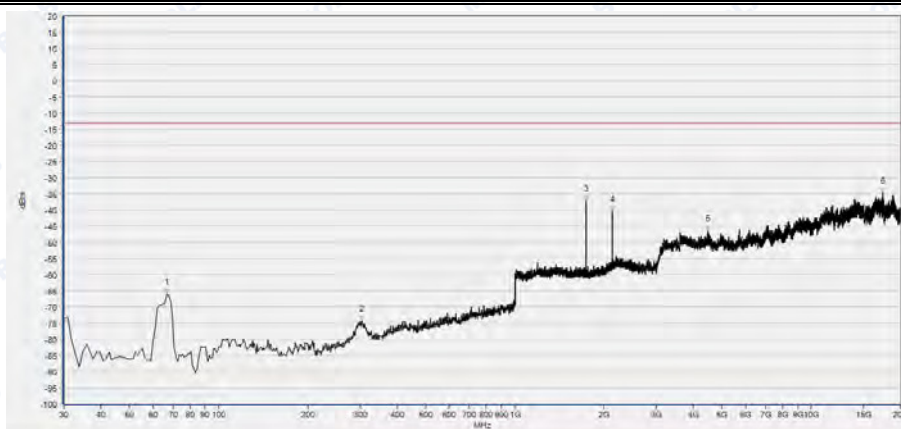
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-65.73	-13.00	Vertical	PASS
2	302.570	-73.40	-13.00	Vertical	PASS
3	1734.374	-38.08	-13.00	Vertical	PASS
4	2133.894	-42.58	-13.00	Vertical	PASS
5	3672.668	-46.38	-13.00	Vertical	PASS
6	14380.360	-36.86	-13.00	Vertical	PASS



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



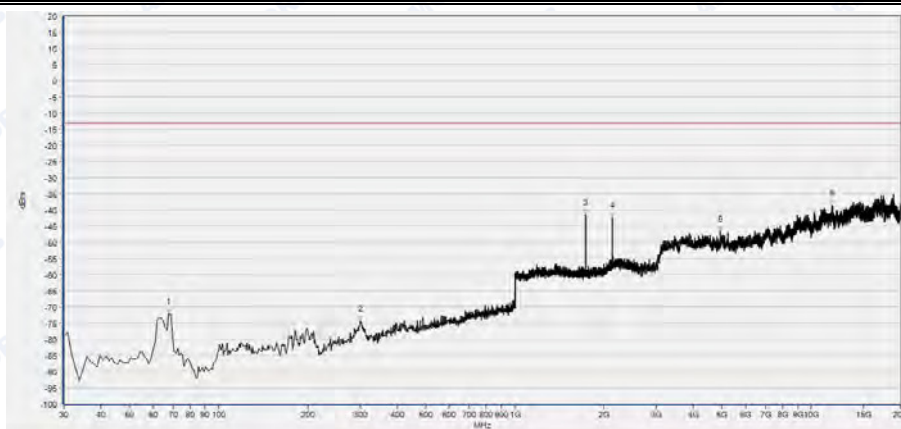
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-72.82	-13.00	Horizontal	PASS
2	302.570	-74.35	-13.00	Horizontal	PASS
3	1734.374	-45.91	-13.00	Horizontal	PASS
4	2133.253	-41.63	-13.00	Horizontal	PASS
5	4587.125	-46.84	-13.00	Horizontal	PASS
6	13070.376	-37.78	-13.00	Horizontal	PASS



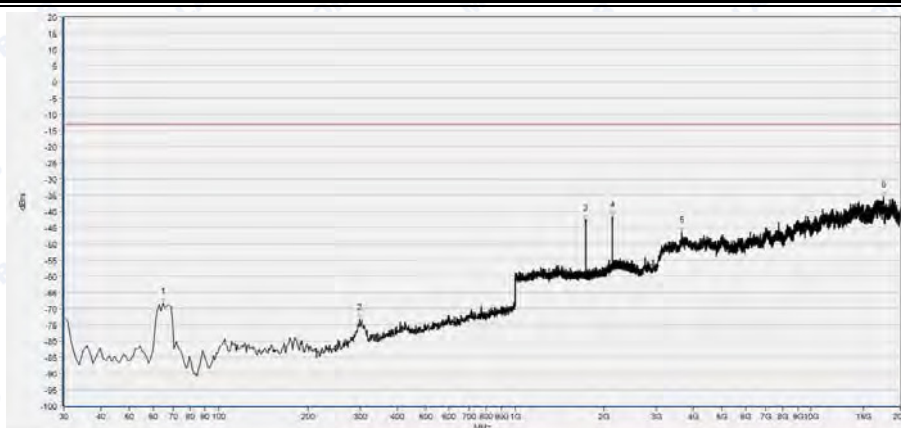
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	66.860	-66.01	-13.00	Vertical	PASS
2	304.510	-74.27	-13.00	Vertical	PASS
3	1734.374	-37.19	-13.00	Vertical	PASS
4	2132.613	-40.40	-13.00	Vertical	PASS
5	4463.721	-46.50	-13.00	Vertical	PASS
6	17443.317	-34.84	-13.00	Vertical	PASS



LTE Band 4 5MHz BW, Mid Channel, QPSK



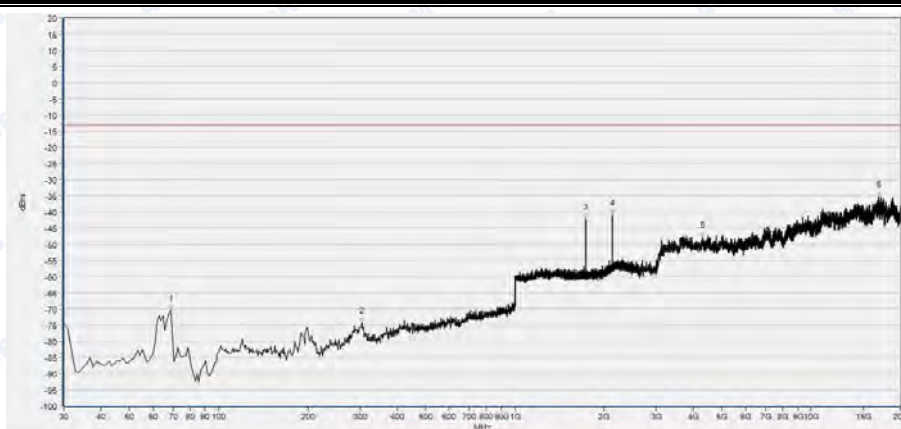
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-72.03	-13.00	Horizontal	PASS
2	300.630	-74.26	-13.00	Horizontal	PASS
3	1731.813	-41.42	-13.00	Horizontal	PASS
4	2132.613	-42.47	-13.00	Horizontal	PASS
5	4941.517	-46.65	-13.00	Horizontal	PASS
6	11731.915	-38.52	-13.00	Horizontal	PASS



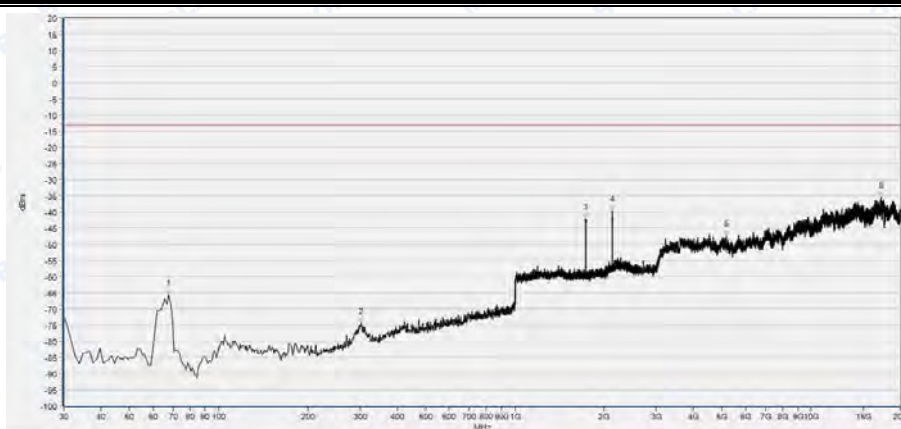
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-68.41	-13.00	Vertical	PASS
2	299.660	-73.41	-13.00	Vertical	PASS
3	1731.813	-42.59	-13.00	Vertical	PASS
4	2131.333	-41.55	-13.00	Vertical	PASS
5	3644.190	-46.53	-13.00	Vertical	PASS
6	17484.452	-35.38	-13.00	Vertical	PASS



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



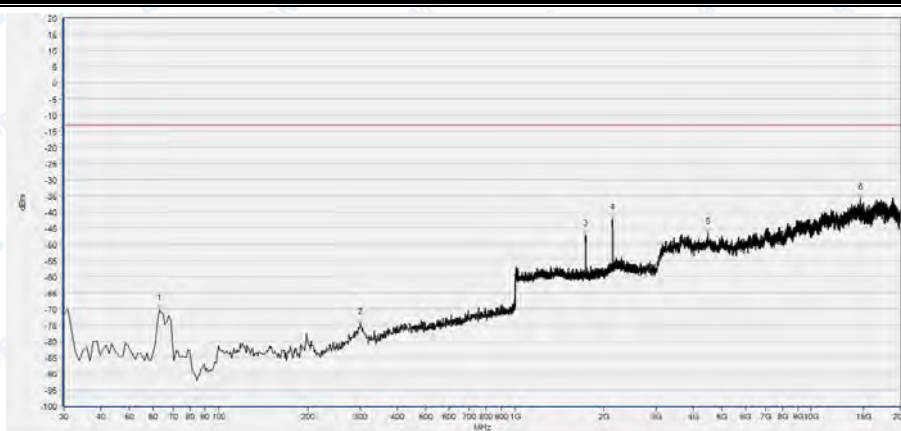
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-70.55	-13.00	Horizontal	PASS
2	304.510	-74.24	-13.00	Horizontal	PASS
3	1731.172	-42.06	-13.00	Horizontal	PASS
4	2133.253	-40.85	-13.00	Horizontal	PASS
5	4286.525	-47.78	-13.00	Horizontal	PASS
6	16876.923	-35.25	-13.00	Horizontal	PASS



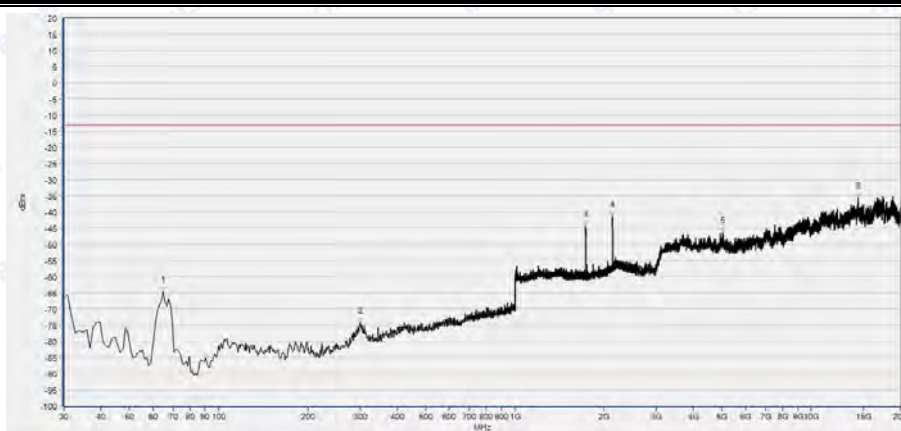
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-65.67	-13.00	Vertical	PASS
2	302.570	-74.48	-13.00	Vertical	PASS
3	1731.813	-42.07	-13.00	Vertical	PASS
4	2133.894	-39.76	-13.00	Vertical	PASS
5	5153.519	-47.46	-13.00	Vertical	PASS
6	17259.793	-35.59	-13.00	Vertical	PASS



LTE Band 4 10MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-70.16	-13.00	Horizontal	PASS
2	301.600	-74.61	-13.00	Horizontal	PASS
3	1732.453	-47.07	-13.00	Horizontal	PASS
4	2128.772	-42.19	-13.00	Horizontal	PASS
5	4470.049	-46.73	-13.00	Horizontal	PASS
6	14665.139	-35.98	-13.00	Horizontal	PASS



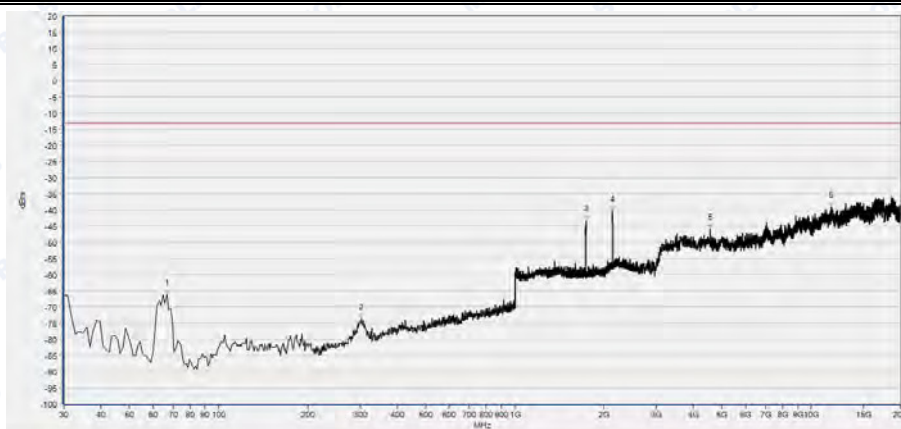
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-64.81	-13.00	Vertical	PASS
2	300.630	-74.23	-13.00	Vertical	PASS
3	1730.532	-44.49	-13.00	Vertical	PASS
4	2128.772	-41.38	-13.00	Vertical	PASS
5	5011.129	-46.52	-13.00	Vertical	PASS
6	14380.360	-35.82	-13.00	Vertical	PASS



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



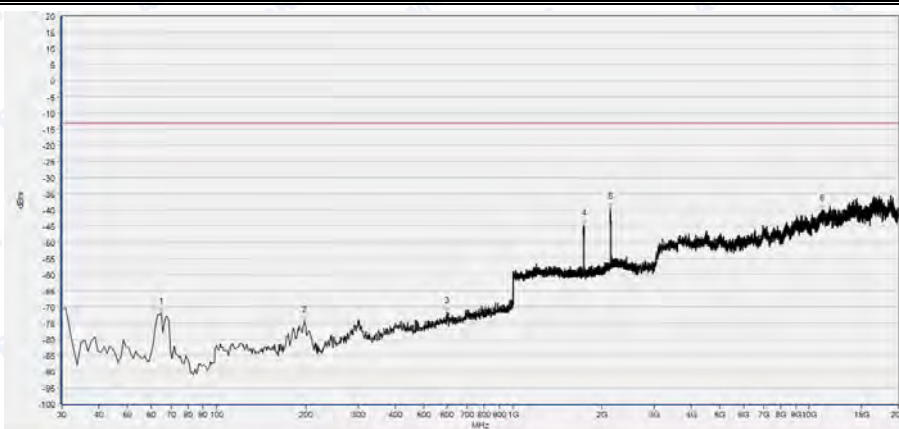
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-70.59	-13.00	Horizontal	PASS
2	300.630	-73.96	-13.00	Horizontal	PASS
3	1729.892	-44.80	-13.00	Horizontal	PASS
4	2135.814	-39.28	-13.00	Horizontal	PASS
5	3618.876	-47.14	-13.00	Horizontal	PASS
6	14206.328	-36.45	-13.00	Horizontal	PASS



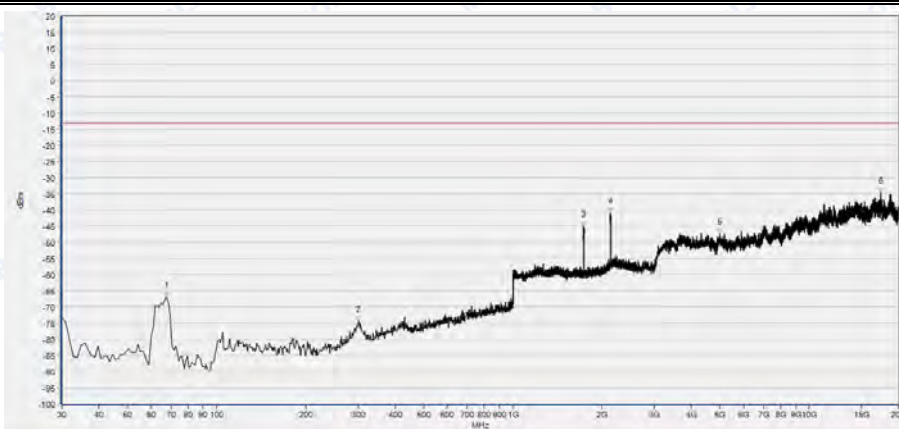
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	66.860	-66.12	-13.00	Vertical	PASS
2	302.570	-73.82	-13.00	Vertical	PASS
3	1736.295	-43.42	-13.00	Vertical	PASS
4	2130.052	-40.36	-13.00	Vertical	PASS
5	4568.140	-45.89	-13.00	Vertical	PASS
6	11671.795	-38.99	-13.00	Vertical	PASS



LTE Band 4 15MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-71.85	-13.00	Horizontal	PASS
2	197.810	-74.61	-13.00	Horizontal	PASS
3	599.390	-71.60	-13.00	Horizontal	PASS
4	1733.093	-44.65	-13.00	Horizontal	PASS
5	2128.131	-39.53	-13.00	Horizontal	PASS
6	11035.788	-40.10	-13.00	Horizontal	PASS

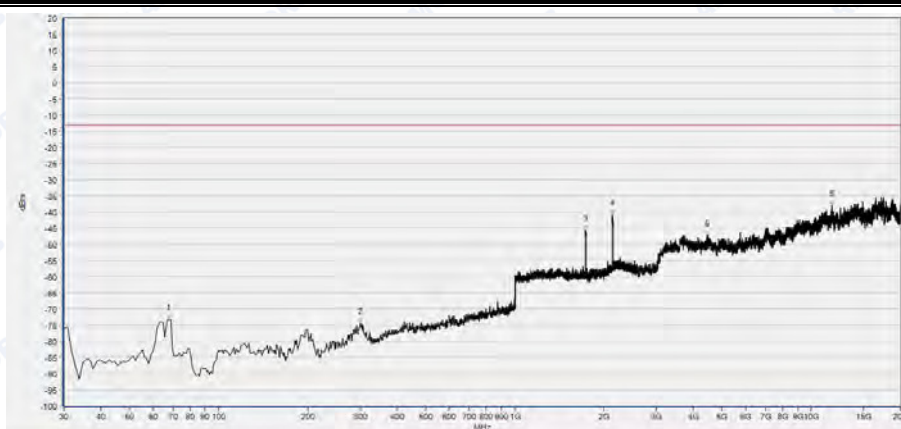


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-66.90	-13.00	Vertical	PASS
2	301.600	-74.60	-13.00	Vertical	PASS
3	1731.813	-45.08	-13.00	Vertical	PASS
4	2135.814	-40.91	-13.00	Vertical	PASS
5	4988.980	-47.32	-13.00	Vertical	PASS
6	17436.989	-34.73	-13.00	Vertical	PASS

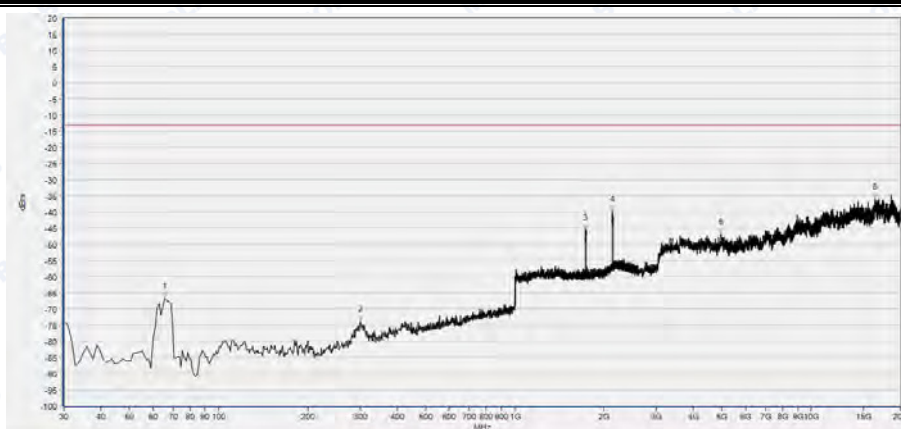


REPORT No.: SZ16030142W05

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



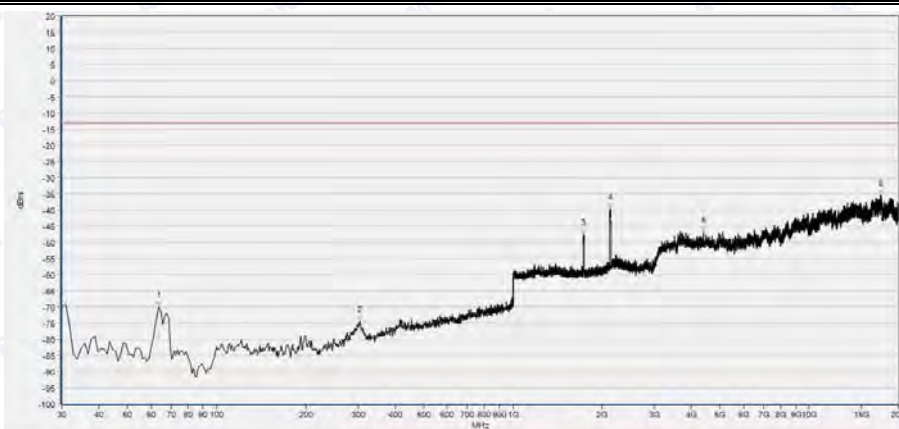
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-73.35	-13.00	Horizontal	PASS
2	300.630	-74.62	-13.00	Horizontal	PASS
3	1729.892	-45.61	-13.00	Horizontal	PASS
4	2127.491	-40.92	-13.00	Horizontal	PASS
5	4438.407	-47.30	-13.00	Horizontal	PASS
6	11735.079	-38.16	-13.00	Horizontal	PASS



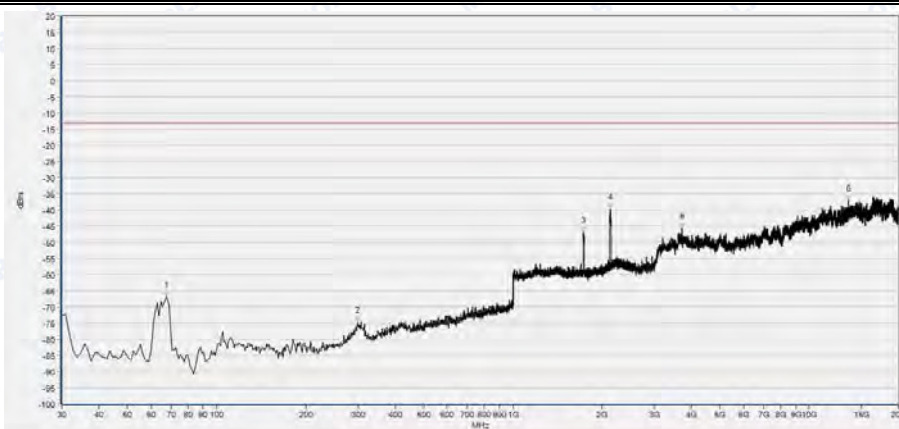
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-66.60	-13.00	Vertical	PASS
2	301.600	-73.82	-13.00	Vertical	PASS
3	1731.813	-45.42	-13.00	Vertical	PASS
4	2128.131	-39.76	-13.00	Vertical	PASS
5	4957.338	-46.85	-13.00	Vertical	PASS
6	16389.634	-35.88	-13.00	Vertical	PASS



LTE Band 4 20MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-69.98	-13.00	Horizontal	PASS
2	304.510	-74.62	-13.00	Horizontal	PASS
3	1731.813	-47.66	-13.00	Horizontal	PASS
4	2125.570	-39.75	-13.00	Horizontal	PASS
5	4384.615	-46.98	-13.00	Horizontal	PASS
6	17446.481	-35.48	-13.00	Horizontal	PASS

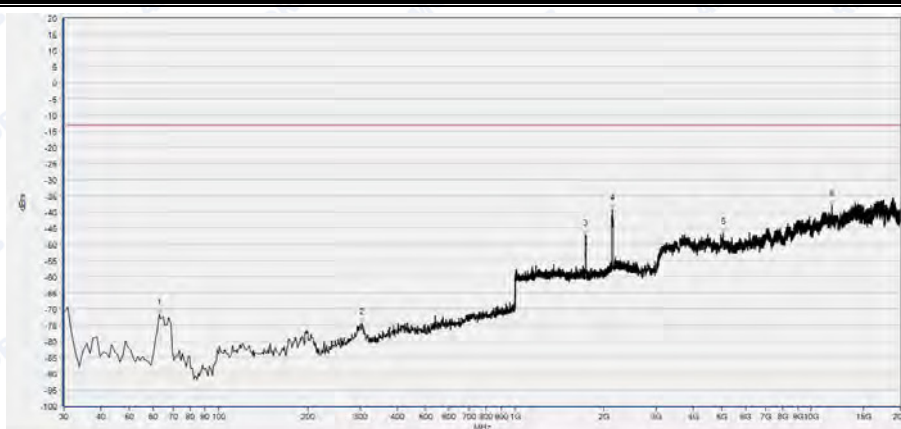


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-66.85	-13.00	Vertical	PASS
2	299.660	-74.88	-13.00	Vertical	PASS
3	1732.453	-46.94	-13.00	Vertical	PASS
4	2124.930	-39.83	-13.00	Vertical	PASS
5	3723.295	-45.63	-13.00	Vertical	PASS
6	13563.993	-37.05	-13.00	Vertical	PASS

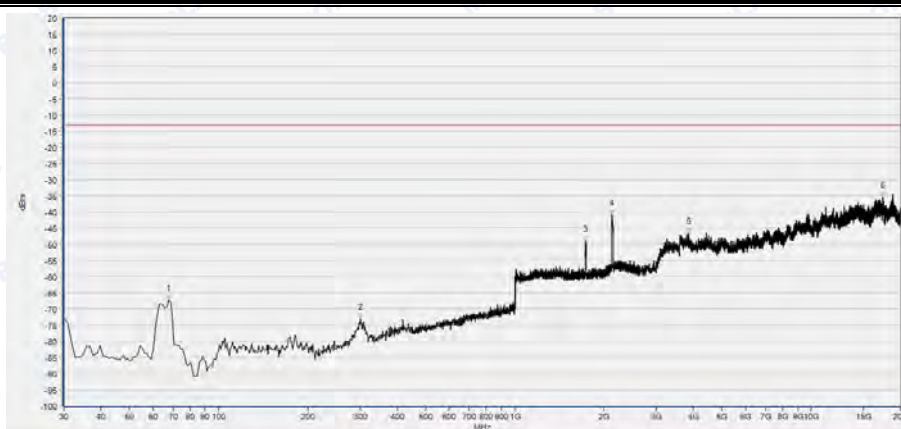


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LTE Band 4 20MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-71.73	-13.00	Horizontal	PASS
2	304.510	-74.46	-13.00	Horizontal	PASS
3	1731.172	-47.23	-13.00	Horizontal	PASS
4	2127.491	-39.31	-13.00	Horizontal	PASS
5	5033.279	-46.64	-13.00	Horizontal	PASS
6	11738.243	-37.75	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-67.26	-13.00	Vertical	PASS
2	301.600	-73.16	-13.00	Vertical	PASS
3	1732.453	-49.03	-13.00	Vertical	PASS
4	2124.290	-40.96	-13.00	Vertical	PASS
5	3843.535	-46.66	-13.00	Vertical	PASS
6	17433.824	-35.58	-13.00	Vertical	PASS

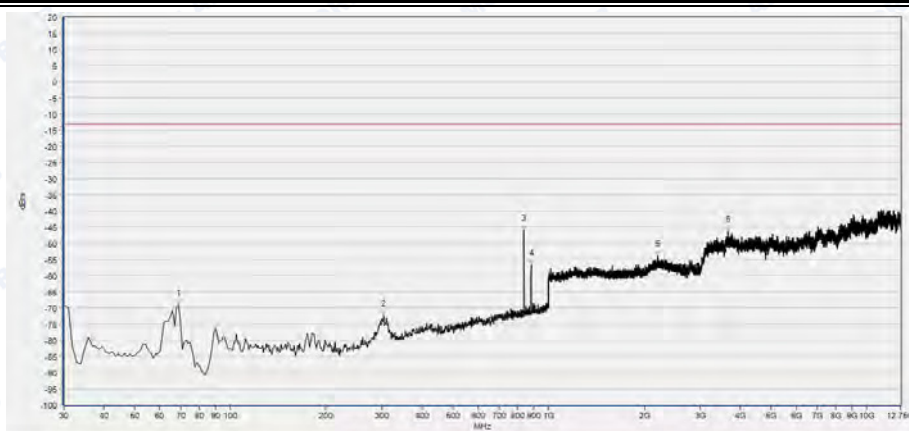


REPORT No.: SZ16030142W05

LTE Band 5 1.4MHz BW, Mid Channel, QPSK



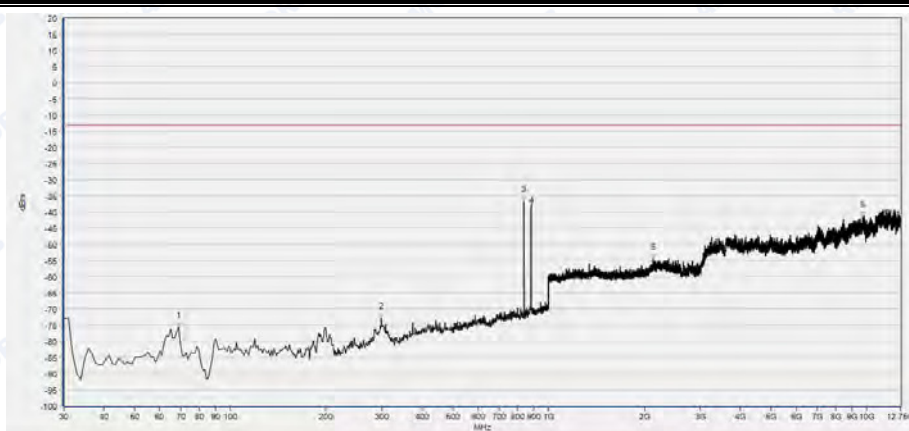
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-74.62	-13.00	Horizontal	PASS
2	197.810	-74.55	-13.00	Horizontal	PASS
3	836.070	-40.83	-13.00	Horizontal	PASS
4	881.660	-38.85	-13.00	Horizontal	PASS
5	2213.285	-54.26	-13.00	Horizontal	PASS
6	3620.722	-46.50	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-69.02	-13.00	Vertical	PASS
2	303.540	-72.48	-13.00	Vertical	PASS
3	836.070	-45.95	-13.00	Vertical	PASS
4	881.660	-56.76	-13.00	Vertical	PASS
5	2198.559	-53.87	-13.00	Vertical	PASS
6	3668.712	-46.43	-13.00	Vertical	PASS



LTE Band 5 1.4MHz BW, Mid Channel, 16QAM



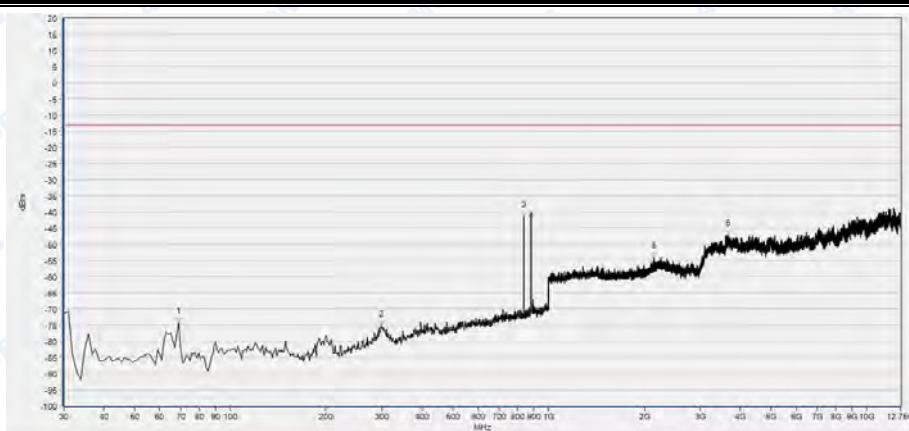
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-75.75	-13.00	Horizontal	PASS
2	298.690	-72.96	-13.00	Horizontal	PASS
3	836.070	-36.62	-13.00	Horizontal	PASS
4	881.660	-37.63	-13.00	Horizontal	PASS
5	2132.613	-54.64	-13.00	Horizontal	PASS
6	9721.058	-41.42	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-67.60	-13.00	Vertical	PASS
2	298.690	-73.59	-13.00	Vertical	PASS
3	836.070	-39.94	-13.00	Vertical	PASS
4	881.660	-55.54	-13.00	Vertical	PASS
5	2375.910	-54.60	-13.00	Vertical	PASS
6	10817.458	-39.38	-13.00	Vertical	PASS



LTE Band 5 3MHz BW, Mid Channel, QPSK



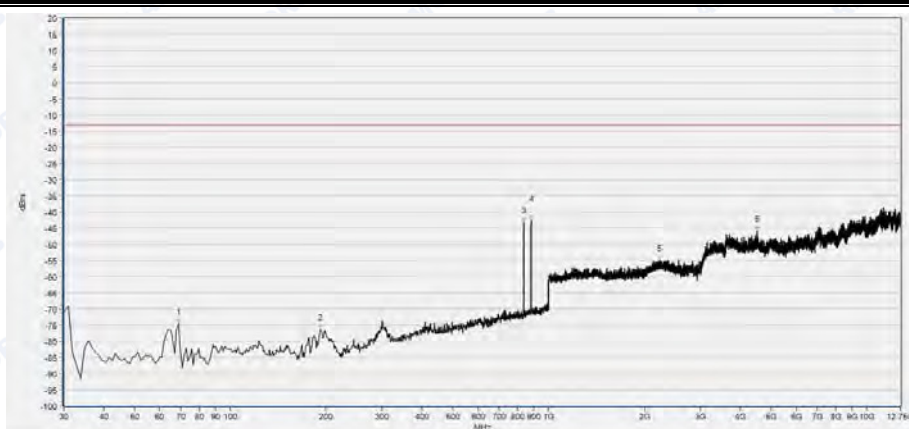
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-74.36	-13.00	Horizontal	PASS
2	297.720	-75.31	-13.00	Horizontal	PASS
3	836.070	-72.35	-13.00	Horizontal	PASS
4	880.690	-41.47	-13.00	Horizontal	PASS
5	2147.979	-54.03	-13.00	Horizontal	PASS
6	3652.100	-47.15	-13.00	Horizontal	PASS



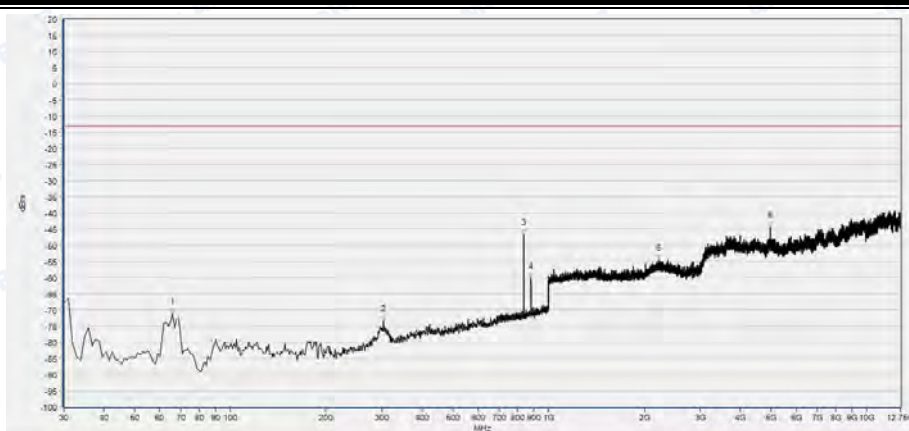
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-69.49	-13.00	Vertical	PASS
2	304.510	-74.86	-13.00	Vertical	PASS
3	836.070	-71.69	-13.00	Vertical	PASS
4	881.660	-60.52	-13.00	Vertical	PASS
5	2192.157	-54.84	-13.00	Vertical	PASS
6	3831.142	-46.53	-13.00	Vertical	PASS



LTE Band 5 3MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-74.66	-13.00	Horizontal	PASS
2	191.990	-76.32	-13.00	Horizontal	PASS
3	836.070	-71.41	-13.00	Horizontal	PASS
4	881.660	-42.73	-13.00	Horizontal	PASS
5	2228.011	-55.10	-13.00	Horizontal	PASS
6	4532.542	-46.05	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-71.11	-13.00	Vertical	PASS
2	302.570	-73.31	-13.00	Vertical	PASS
3	836.070	-71.71	-13.00	Vertical	PASS
4	880.690	-60.33	-13.00	Vertical	PASS
5	2221.609	-54.56	-13.00	Vertical	PASS
6	4981.069	-44.51	-13.00	Vertical	PASS



LTE Band 5 5MHz BW, Mid Channel, QPSK



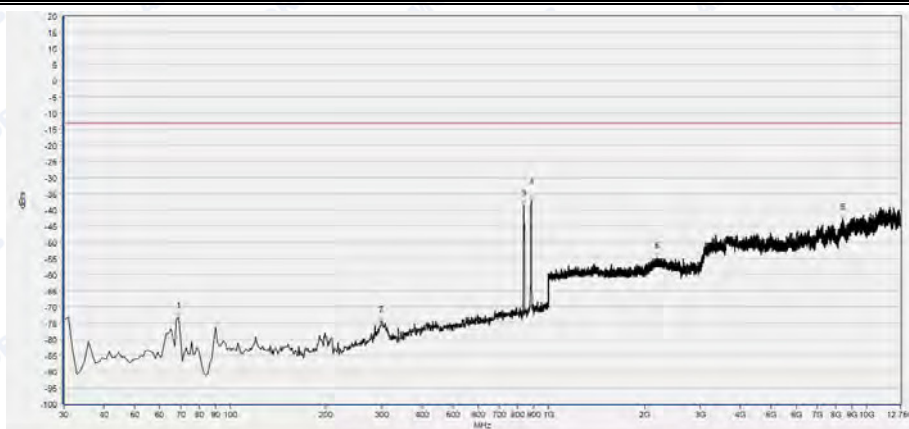
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-76.26	-13.00	Horizontal	PASS
2	191.020	-74.80	-13.00	Horizontal	PASS
3	834.130	-40.20	-13.00	Horizontal	PASS
4	882.630	-38.44	-13.00	Horizontal	PASS
5	2274.110	-54.54	-13.00	Horizontal	PASS
6	3661.329	-46.47	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-71.17	-13.00	Vertical	PASS
2	181.320	-76.76	-13.00	Vertical	PASS
3	834.130	-44.41	-13.00	Vertical	PASS
4	883.600	-55.98	-13.00	Vertical	PASS
5	2276.030	-54.52	-13.00	Vertical	PASS
6	11206.919	-38.51	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-73.32	-13.00	Horizontal	PASS
2	298.690	-74.43	-13.00	Horizontal	PASS
3	835.100	-38.60	-13.00	Horizontal	PASS
4	882.630	-37.23	-13.00	Horizontal	PASS
5	2187.675	-54.88	-13.00	Horizontal	PASS
6	8388.398	-42.84	-13.00	Horizontal	PASS

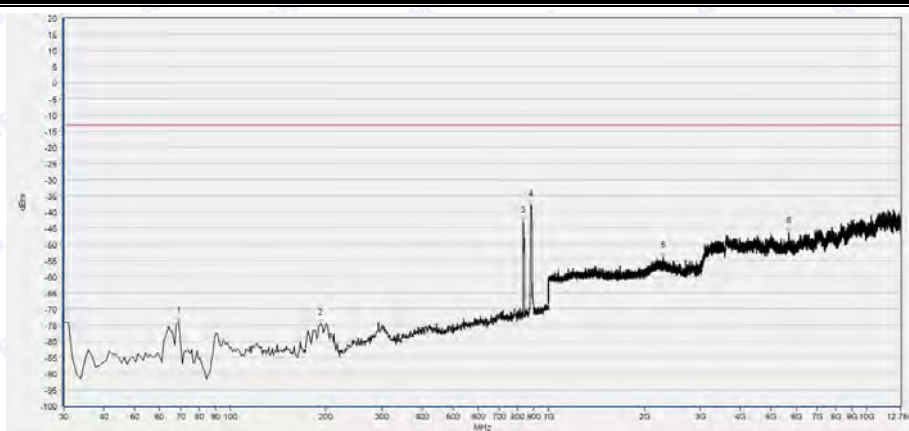


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-69.43	-13.00	Vertical	PASS
2	300.630	-73.83	-13.00	Vertical	PASS
3	834.130	-38.32	-13.00	Vertical	PASS
4	879.720	-55.04	-13.00	Vertical	PASS
5	2269.628	-53.87	-13.00	Vertical	PASS
6	6917.303	-45.12	-13.00	Vertical	PASS



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LTE Band 5 10MHz BW, Mid Channel, QPSK



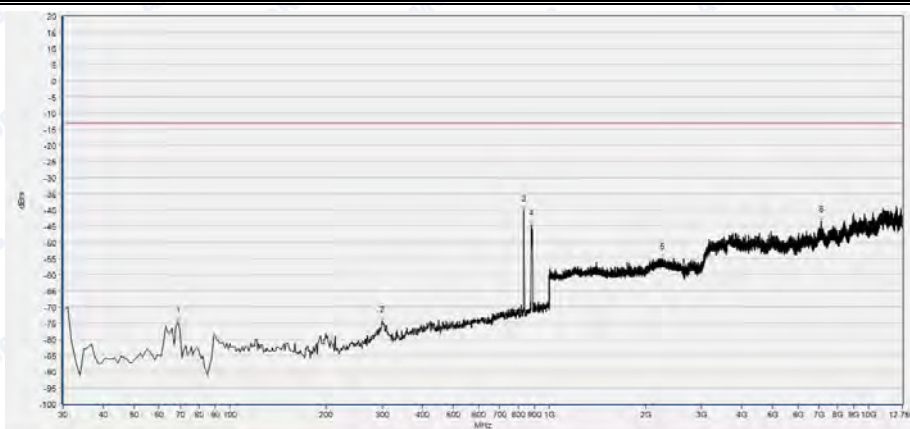
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-74.04	-13.00	Horizontal	PASS
2	191.990	-74.66	-13.00	Horizontal	PASS
3	833.160	-43.10	-13.00	Horizontal	PASS
4	880.690	-38.09	-13.00	Horizontal	PASS
5	2293.958	-53.81	-13.00	Horizontal	PASS
6	5680.624	-46.38	-13.00	Horizontal	PASS



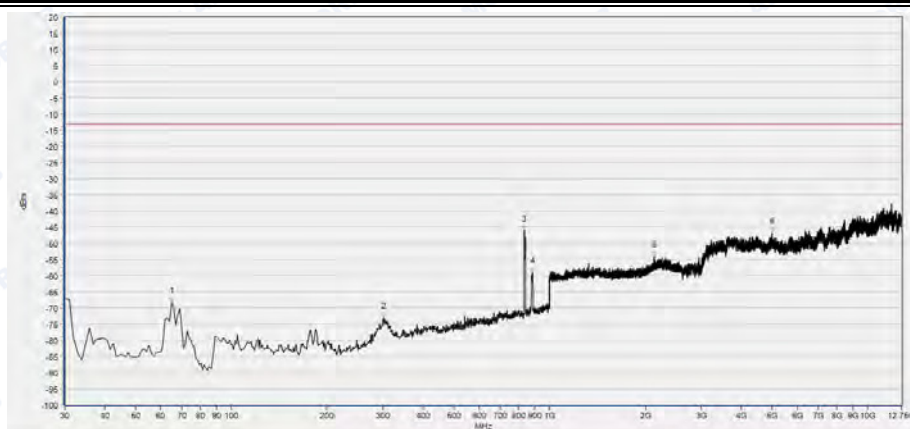
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-68.47	-13.00	Vertical	PASS
2	286.080	-75.21	-13.00	Vertical	PASS
3	834.130	-40.93	-13.00	Vertical	PASS
4	882.630	-57.32	-13.00	Vertical	PASS
5	3628.105	-46.58	-13.00	Vertical	PASS
6	11227.223	-39.54	-13.00	Vertical	PASS



LTE Band 5 10MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-74.85	-13.00	Horizontal	PASS
2	299.660	-74.46	-13.00	Horizontal	PASS
3	833.160	-40.34	-13.00	Horizontal	PASS
4	876.810	-44.65	-13.00	Horizontal	PASS
5	2249.780	-54.89	-13.00	Horizontal	PASS
6	7107.420	-43.48	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-68.23	-13.00	Vertical	PASS
2	300.630	-73.15	-13.00	Vertical	PASS
3	833.160	-46.11	-13.00	Vertical	PASS
4	882.630	-59.03	-13.00	Vertical	PASS
5	2133.253	-54.11	-13.00	Vertical	PASS
6	4986.607	-46.81	-13.00	Vertical	PASS



LTE Band 12 1.4MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-75.24	-13.00	Vertical	PASS
2	299.660	-74.14	-13.00	Vertical	PASS
3	707.060	-72.29	-13.00	Vertical	PASS
4	737.130	-53.45	-13.00	Vertical	PASS
5	2169.748	-54.97	-13.00	Vertical	PASS
6	4185.534	-46.14	-13.00	Vertical	PASS



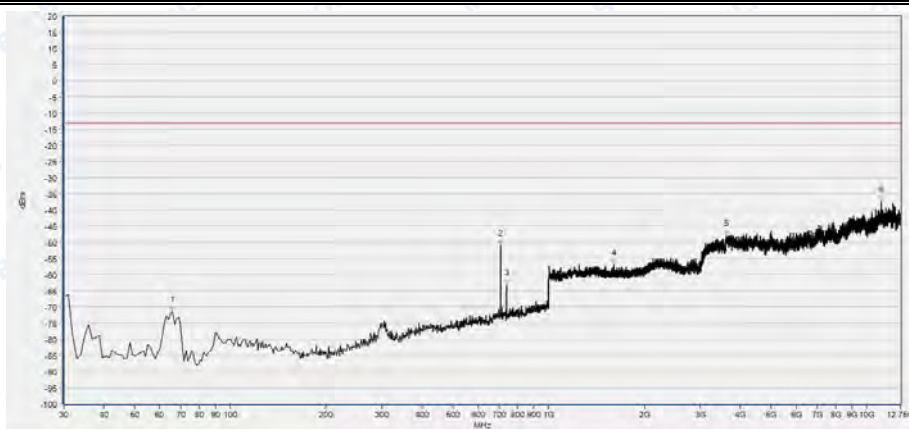
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-71.37	-13.00	Vertical	PASS
2	707.060	-72.70	-13.00	Vertical	PASS
3	737.130	-61.96	-13.00	Vertical	PASS
4	2270.908	-54.03	-13.00	Vertical	PASS
5	3832.988	-47.14	-13.00	Vertical	PASS
6	11823.413	-38.89	-13.00	Vertical	PASS



LTE Band 12 1.4MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-75.58	-13.00	Vertical	PASS
2	707.060	-72.53	-13.00	Vertical	PASS
3	737.130	-53.25	-13.00	Vertical	PASS
4	2087.795	-54.45	-13.00	Vertical	PASS
5	3853.292	-46.62	-13.00	Vertical	PASS
6	10937.434	-39.23	-13.00	Vertical	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-71.49	-13.00	Vertical	PASS
2	707.060	-72.99	-13.00	Vertical	PASS
3	738.100	-63.06	-13.00	Vertical	PASS
4	1604.402	-56.79	-13.00	Vertical	PASS
5	3609.647	-47.80	-13.00	Vertical	PASS
6	11068.485	-37.49	-13.00	Vertical	PASS



LTE Band 12 3MHz BW, Mid Channel, QPSK



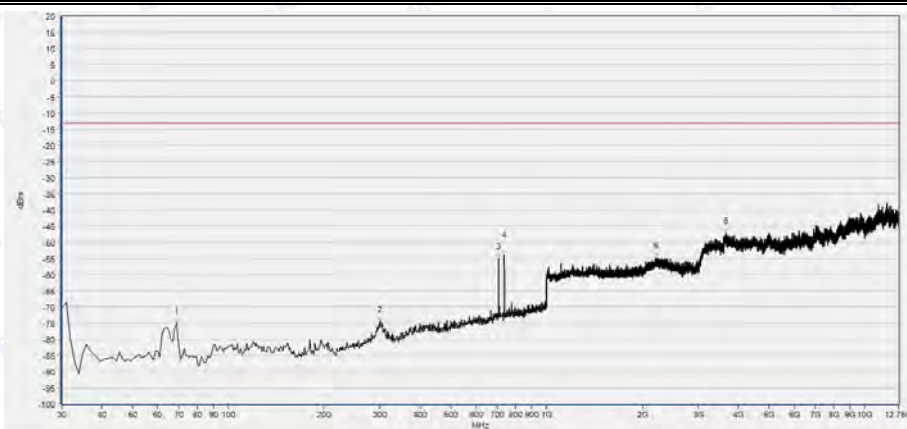
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-75.48	-13.00	Vertical	PASS
2	298.690	-73.49	-13.00	Vertical	PASS
3	707.060	-72.71	-13.00	Vertical	PASS
4	737.130	-53.68	-13.00	Vertical	PASS
5	2130.052	-54.86	-13.00	Vertical	PASS
6	4986.607	-45.59	-13.00	Vertical	PASS



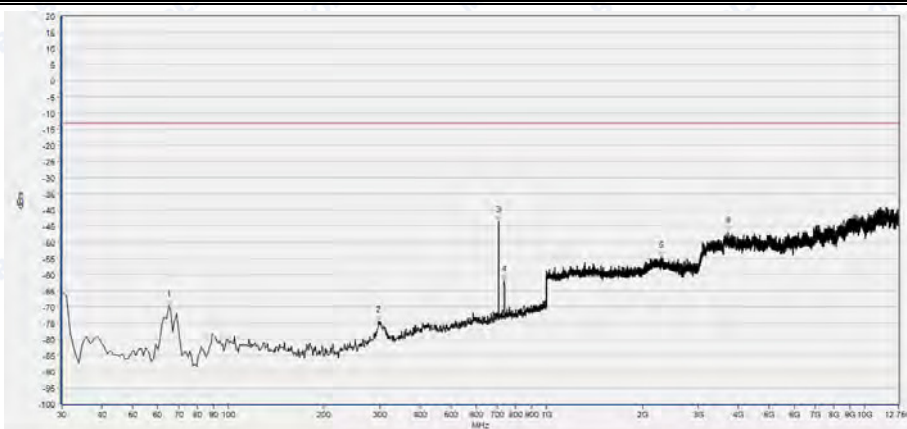
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-70.52	-13.00	Vertical	PASS
2	305.480	-74.01	-13.00	Vertical	PASS
3	707.060	-72.61	-13.00	Vertical	PASS
4	738.100	-64.97	-13.00	Vertical	PASS
5	2288.195	-54.53	-13.00	Vertical	PASS
6	4990.298	-46.53	-13.00	Vertical	PASS



LTE Band 12 3MHz BW, Mid Channel, 16QAM



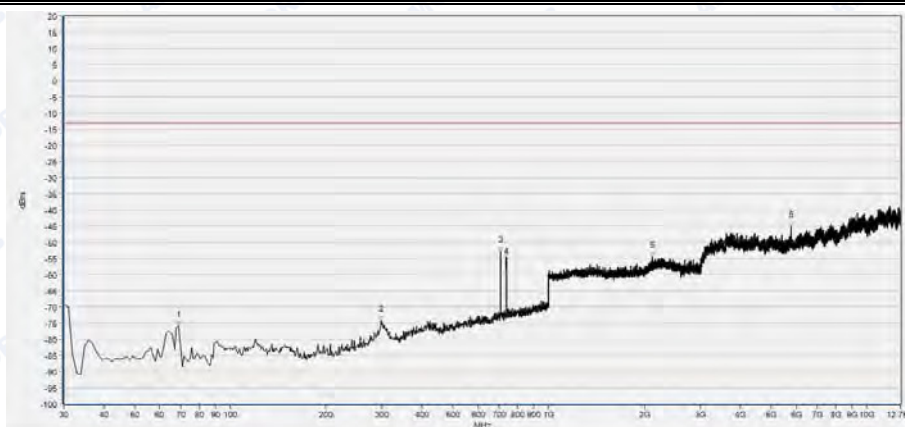
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-75.28	-13.00	Vertical	PASS
2	299.660	-74.43	-13.00	Vertical	PASS
3	707.060	-72.93	-13.00	Vertical	PASS
4	736.160	-53.70	-13.00	Vertical	PASS
5	2201.120	-54.82	-13.00	Vertical	PASS
6	3659.484	-47.14	-13.00	Vertical	PASS



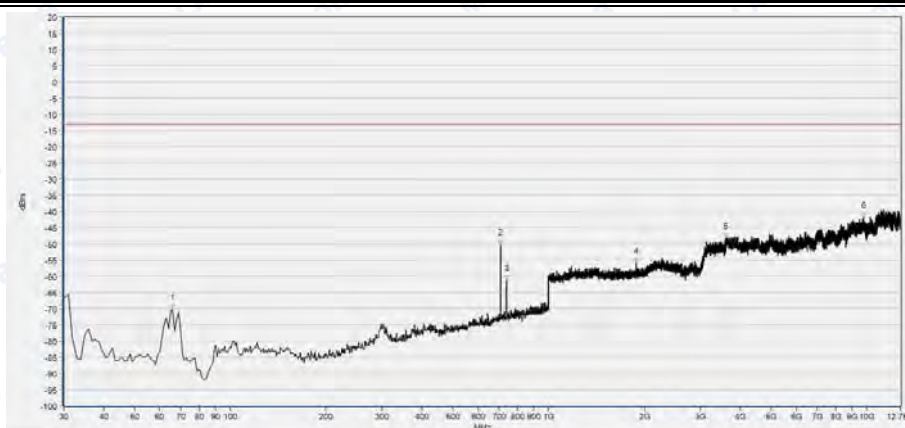
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-69.78	-13.00	Vertical	PASS
2	296.750	-74.64	-13.00	Vertical	PASS
3	707.060	-73.54	-13.00	Vertical	PASS
4	736.160	-61.85	-13.00	Vertical	PASS
5	2286.915	-54.58	-13.00	Vertical	PASS
6	3711.166	-46.94	-13.00	Vertical	PASS



LTE Band 12 5MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-75.90	-13.00	Vertical	PASS
2	297.720	-74.27	-13.00	Vertical	PASS
3	707.060	-72.74	-13.00	Vertical	PASS
4	735.190	-54.57	-13.00	Vertical	PASS
5	2115.966	-54.54	-13.00	Vertical	PASS
6	5767.376	-45.26	-13.00	Vertical	PASS



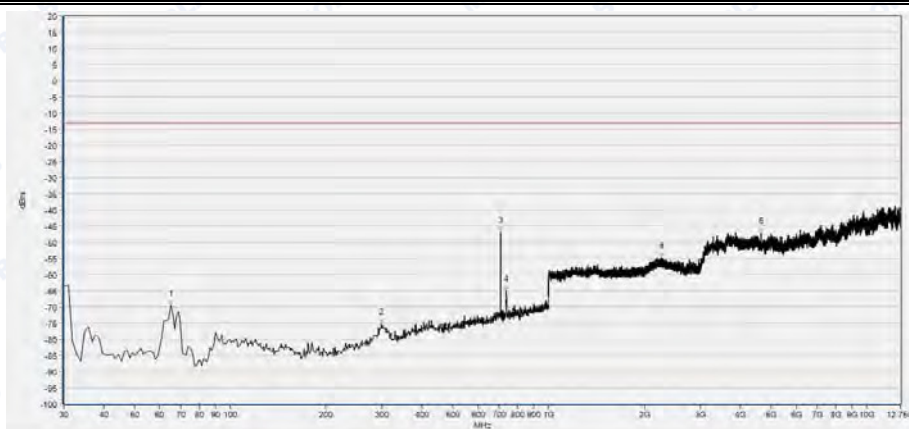
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-70.17	-13.00	Vertical	PASS
2	707.060	-73.22	-13.00	Vertical	PASS
3	738.100	-61.28	-13.00	Vertical	PASS
4	1880.992	-55.85	-13.00	Vertical	PASS
5	3600.418	-48.40	-13.00	Vertical	PASS
6	9732.133	-41.92	-13.00	Vertical	PASS



LTE Band 12 5MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	68.800	-75.66	-13.00	Vertical	PASS
2	195.870	-78.58	-13.00	Vertical	PASS
3	707.060	-73.03	-13.00	Vertical	PASS
4	737.130	-55.02	-13.00	Vertical	PASS
5	2240.176	-54.04	-13.00	Vertical	PASS
6	9828.114	-41.04	-13.00	Vertical	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-69.64	-13.00	Vertical	PASS
2	298.690	-75.33	-13.00	Vertical	PASS
3	707.060	-72.86	-13.00	Vertical	PASS
4	737.130	-64.90	-13.00	Vertical	PASS
5	2263.225	-54.74	-13.00	Vertical	PASS
6	4645.135	-47.19	-13.00	Vertical	PASS