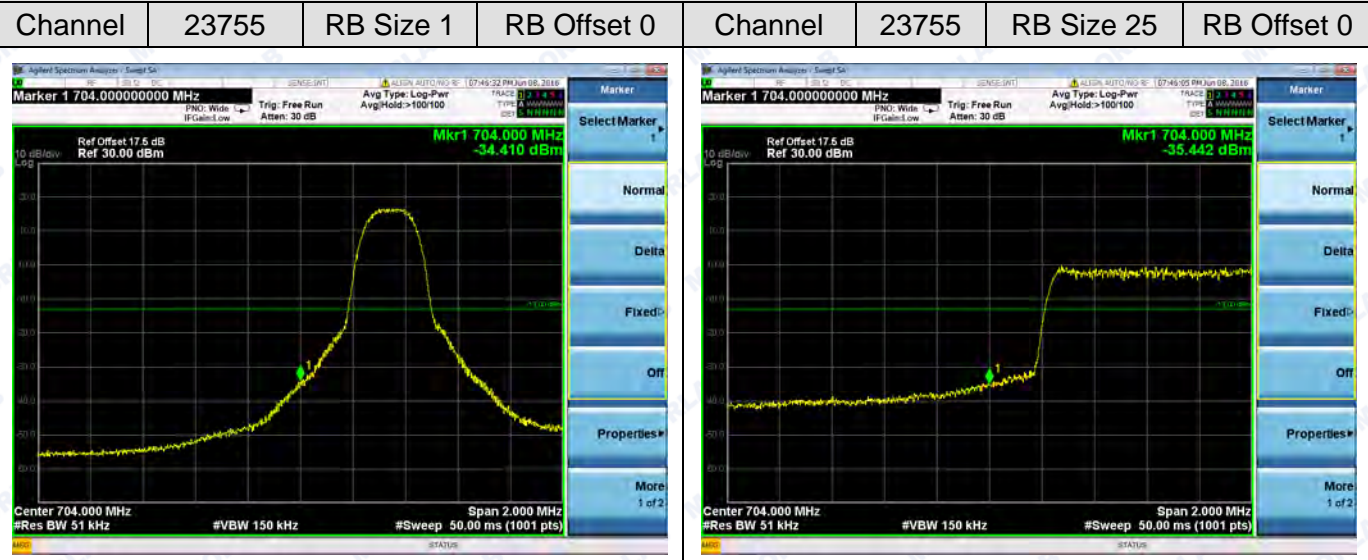


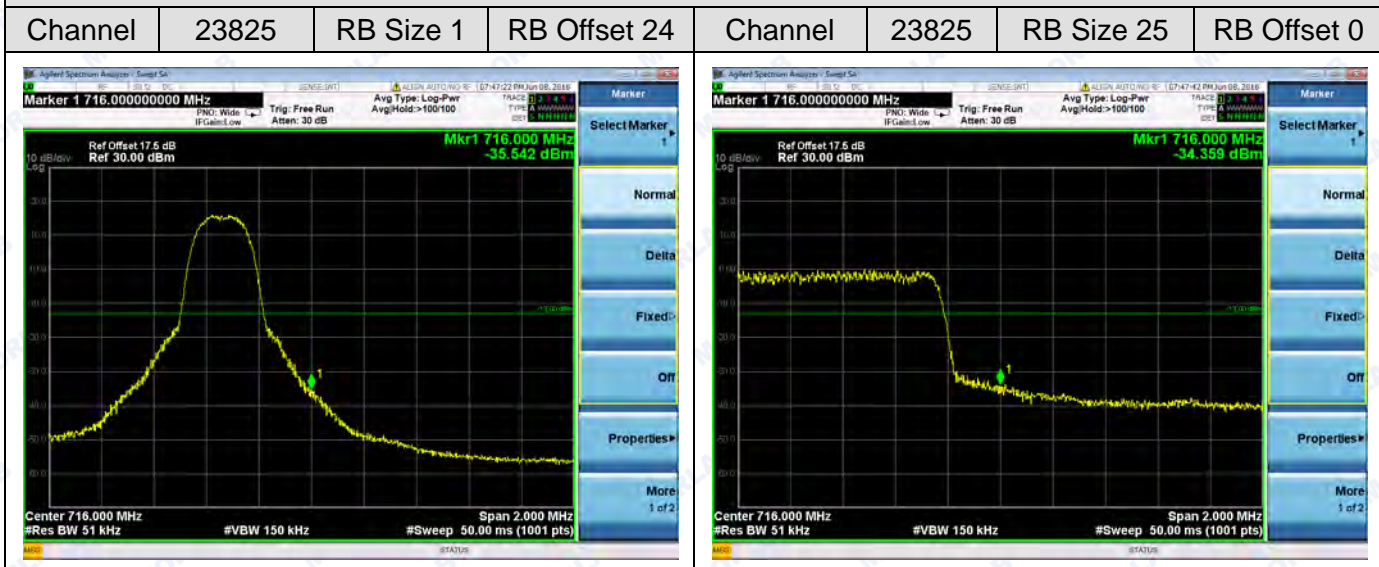


## LTE Band 17

Channel Bandwidth: 5MHz



Channel Bandwidth: 5MHz

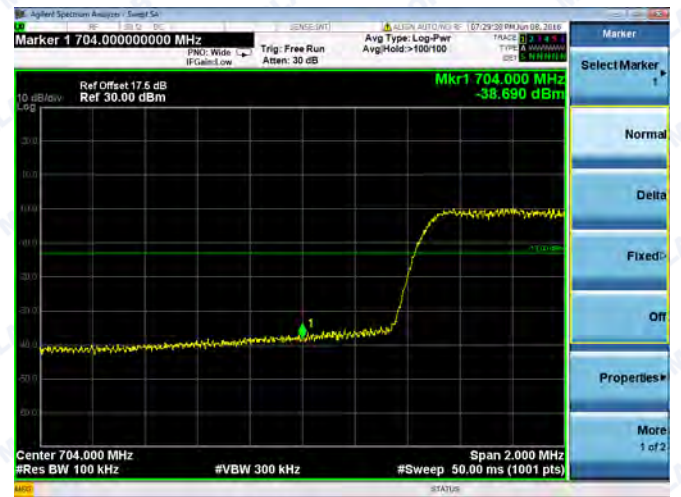
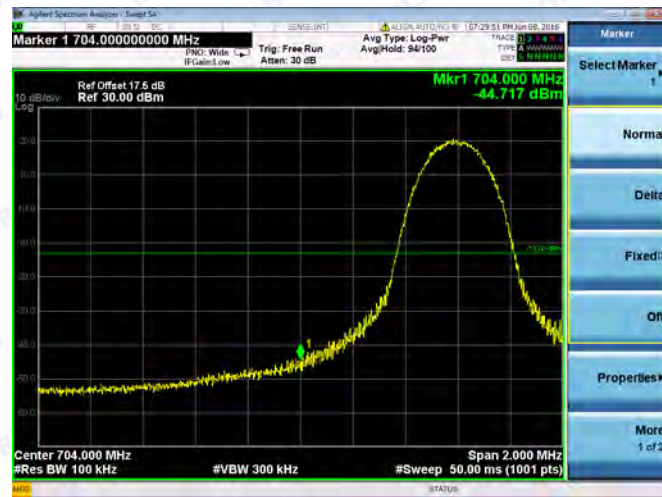




## LTE Band 17

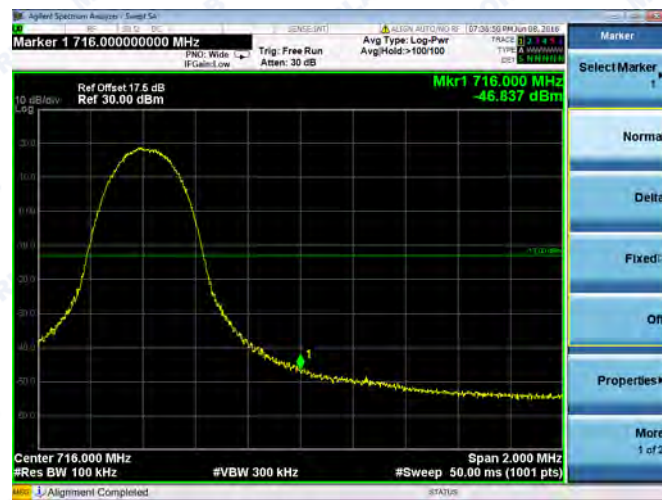
Channel Bandwidth: 10MHz

Channel	23780	RB Size 1	RB Offset 0	Channel	23780	RB Size 50	RB Offset 0
---------	-------	-----------	-------------	---------	-------	------------	-------------



Channel Bandwidth: 10MHz

Channel	23800	RB Size 1	RB Offset 49	Channel	23800	RB Size 50	RB Offset 0
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## 2.7 Transmitter Radiated Power (EIRP/ERP)

### 2.7.1 Requirement

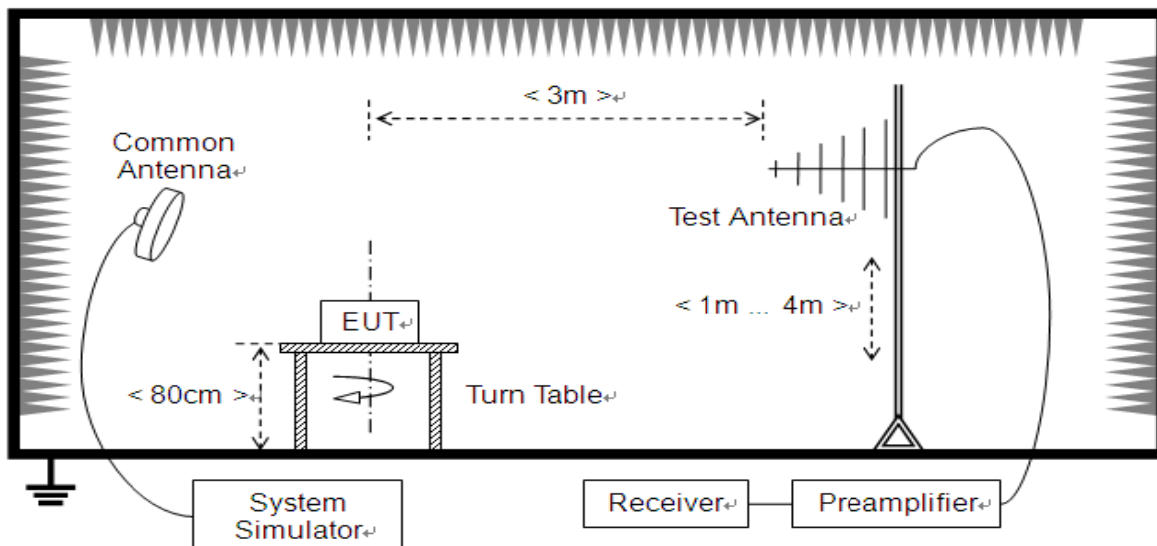
According to FCC section 27.50 (d), fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.

According to FCC section 22.913, in 824-849MHz band must not exceed 7Watts, and FCC section 24.232, in1850-1910MHz band are limited to 2 Watts e.i.r.p. peak power.

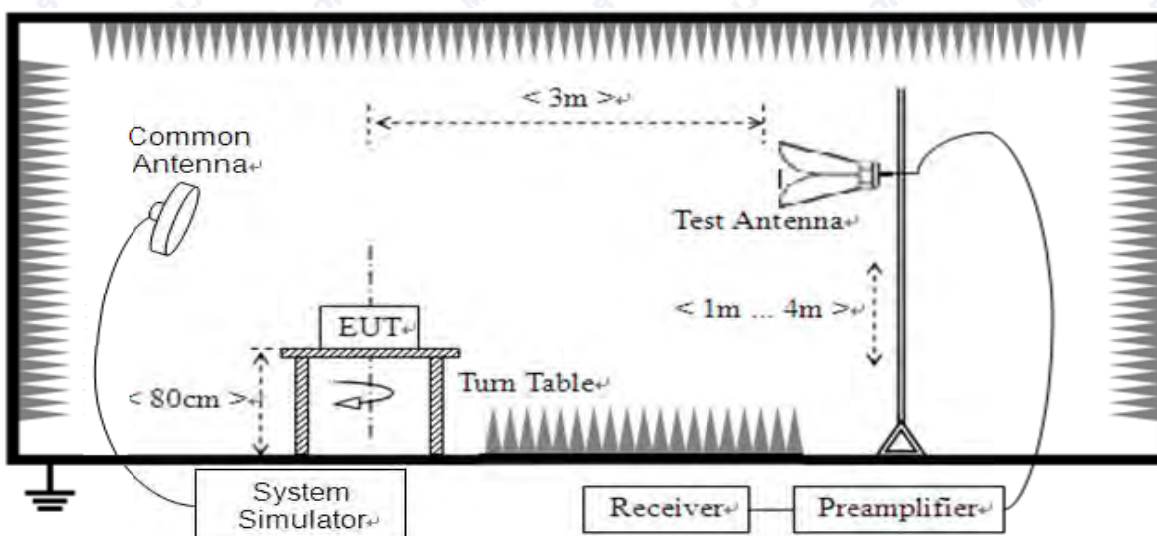
Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

### 2.7.2 Test Description

Test Setup:



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)



The EUT, which is powered by the PC, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

#### Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Rohde& Schwarz	CMW500	1201.0002k50/ 124534/wk	2016.03.02	2017.03.01
Spectrum Analyzer	Rohde& Schwarz	FSL	10246	2016.03.02	2017.03.01
Spectrum Analyzer	Agilent	E4445A	MY44200685	2016.03.02	2017.03.01
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2016.03.02	2017.03.01
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2016.03.02	2017.03.01
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2016.03.02	2017.03.01

### 2.7.3 Test Result

The EUT was verified under all configurations (RB size and offset) and the worst case radiated power reported for each modulation/channel bandwidth.

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. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST\_TX}} - P_{\text{SUBST\_RX}} - L_{\text{SUBST\_CABLES}} + G_{\text{SUBST\_TX\_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$



Where  $A_{\text{SUBST}}$  is the final substitution correction including receive antenna gain.

$P_{\text{SUBST\_TX}}$  is signal generator level,

$P_{\text{SUBST\_RX}}$  is receiver level,

$L_{\text{SUBST\_CABLES}}$  is cable losses including TX cable,

$G_{\text{SUBST\_TX\_ANT}}$  is substitution antenna gain.

$A_{\text{TOT}}$  is total correction factor including cable loss and substitution correction

During the test, the data of  $A_{\text{TOT}}$  was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of  $A_{\text{TOT}}$ .

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	20MHz	L 18700	1860	QPSK	1	0	23.48
					100	0	22.36
				16-QAM	1	0	22.85
					100	0	21.22
		M 18900	1880	QPSK	1	0	22.89
					100	0	22.41
				16-QAM	1	0	22.35
					100	0	21.88
		H 19100	1900	QPSK	1	0	23.14
					100	0	22.54
				16-QAM	1	0	22.14
					100	0	21.58
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	15MHz	L 18675	1857.5	QPSK	1	0	23.21
					75	0	22.89
				16-QAM	1	0	22.68
					75	0	22.47
		M 18900	1880	QPSK	1	0	23.56
					75	0	22.57
				16-QAM	1	0	22.94
					75	0	22.14
		H 19125	1902.5	QPSK	1	0	22.96
					75	0	22.21
				16-QAM	1	0	22.09
					75	0	22.15





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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	10MHz	L 18650	1855	QPSK	1	0	22.58
					50	0	22.57
				16-QAM	1	0	22.47
					50	0	22.19
		M 18900	1880	QPSK	1	0	22.87
					50	0	22.68
				16-QAM	1	0	22.58
					50	0	22.69
		H 19150	1905	QPSK	1	0	22.96
					50	0	22.58
				16-QAM	1	0	22.69
					50	0	22.28

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	5MHz	L 18625	1852.5	QPSK	1	0	23.44
					25	0	22.54
				16-QAM	1	0	23.31
					25	0	22.36
		M 18900	1880	QPSK	1	0	23.14
					25	0	22.58
				16-QAM	1	0	22.47
					25	0	22.36
		H 19175	1907.5	QPSK	1	0	23.69
					25	0	22.57
				16-QAM	1	0	23.14
					25	0	22.48
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	3MHz	L 18615	1851.5	QPSK	1	0	22.58
					15	0	22.36
				16-QAM	1	0	23.14
					15	0	22.48
		M 18900	1880	QPSK	1	0	23.51
					15	0	22.58
				16-QAM	1	0	22.69
					15	0	21.96
		H 19185	1908.5	QPSK	1	0	22.88
					15	0	22.15
				16-QAM	1	0	22.19
					15	0	20.33



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	1.4MHz	L 18607	1850.7	QPSK	1	0	22.39
					6	0	22.48
				16-QAM	1	0	22.36
					6	0	22.45
		18900	1880	QPSK	1	0	23.55
					6	0	31.69
				16-QAM	1	0	22.18
					6	0	21.33
		H 19193	1909.3	QPSK	1	0	22.18
					6	0	21.99
				16-QAM	1	0	22.36
					6	0	21.66

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	23.99
					100	0	22.58
				16-QAM	1	0	22.96
					100	0	21.69
		M 20175	1732.5	QPSK	1	0	23.66
					100	0	22.69
				16-QAM	1	0	22.85
					100	0	21.92
		H 20300	1745.0	QPSK	1	0	22.68
					100	0	22.66
				16-QAM	1	0	23.09
					100	0	21.53
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	23.88
					75	0	23.04
				16-QAM	1	0	22.96
					75	0	22.53
		M 20175	1732.5	QPSK	1	0	23.68
					75	0	22.66
				16-QAM	1	0	23.74
					75	0	21.99
		H 20325	1747.5	QPSK	1	0	22.79
					75	0	23.34
				16-QAM	1	0	23.38
					75	0	22.63



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	10MHz	L 20000	1715.0	QPSK	1	0	23.89
					50	0	23.52
				16-QAM	1	0	22.77
					50	0	22.17
		M 20175	1732.5	QPSK	1	0	22.68
					50	0	22.69
				16-QAM	1	0	22.98
					50	0	22.09
		H 20350	1750.0	QPSK	1	0	23.54
					50	0	23.55
				16-QAM	1	0	23.24
					50	0	22.69

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	23.66
					25	0	23.51
				16-QAM	1	0	24.01
					25	0	22.54
		M 20175	1732.5	QPSK	1	0	23.63
					25	0	22.35
				16-QAM	1	0	22.58
					25	0	21.66
		H 20375	1752.5	QPSK	1	0	23.67
					25	0	23.24
				16-QAM	1	0	22.99
					25	0	22.31
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	23.75
					15	0	23.66
				16-QAM	1	0	22.85
					15	0	22.63
		M 20175	1732.5	QPSK	1	0	24.08
					15	0	23.17
				16-QAM	1	0	23.24
					15	0	22.59
		H 20385	1753.5	QPSK	1	0	24.38
					15	0	23.07
				16-QAM	1	0	22.58
					15	0	23.07





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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	1.4MHz	L 19957	1710.7	QPSK	1	0	24.09
					6	0	23.08
				16-QAM	1	0	23.09
					6	0	22.59
		M 20175	1732.5	QPSK	1	0	23.34
					6	0	22.86
				16-QAM	1	0	22.93
					6	0	21.99
		H 20393	1754.3	QPSK	1	0	22.38
					6	0	22.09
				16-QAM	1	0	22.39
					6	0	22.87

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	22.53
					50	0	22.69
				16-QAM	1	0	22.69
					50	0	22.58
		M 20525	836.5	QPSK	1	0	23.69
					50	0	22.99
				16-QAM	1	0	23.35
					50	0	22.36
		H 20600	844	QPSK	1	0	23.69
					50	0	23.66
				16-QAM	1	0	22.58
					50	0	22.58
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	22.58
					25	0	22.38
				16-QAM	1	0	23.68
					25	0	22.58
		M 20525	836.5	QPSK	1	0	23.54
					25	0	22.58
				16-QAM	1	0	23.14
					25	0	22.58
		H 20625	846.5	QPSK	1	0	23.69
					25	0	23.58
				16-QAM	1	0	22.58
					25	0	23.58



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 5	3MHz	L 20415	825.5	QPSK	1	0	23.66
					15	0	22.58
				16-QAM	1	0	22.87
					15	0	22.89
		M 20525	836.5	QPSK	1	0	22.68
					15	0	22.85
				16-QAM	1	0	22.64
					15	0	22.47
		H 20635	847.5	QPSK	1	0	23.57
					15	0	22.54
				16-QAM	1	0	22.89
					15	0	22.74

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	23.66
					6	0	22.54
				16-QAM	1	0	22.67
					6	0	22.85
		M 20525	836.5	QPSK	1	0	23.65
					6	0	22.58
				16-QAM	1	0	22.39
					6	0	22.38
		H 20643	848.3	QPSK	1	0	22.38
					6	0	22.37
				16-QAM	1	0	22.58
					6	0	22.37



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 17	10MHz	L 23780	709	QPSK	1	0	24.88
					50	0	23.68
		M 23790	710	16-QAM	1	0	24.12
					50	0	23.22
				QPSK	1	0	23.88
					50	0	23.22
		H 23800	711	16-QAM	1	0	23.11
					50	0	22.58
				QPSK	1	0	23.63
					50	0	23.66
				16-QAM	1	0	23.62
					50	0	23.96
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 17	5MHz	L 23755	706.5	QPSK	1	0	24.88
					25	0	23.66
				16-QAM	1	0	23.55
					25	0	22.99
		M 23790	710	QPSK	1	0	23.66
					25	0	23.85
				16-QAM	1	0	22.85
					25	0	22.85
		H 23825	713.5	QPSK	1	0	23.65
					25	0	22.68
				16-QAM	1	0	23.62
					25	0	23.65





## **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.

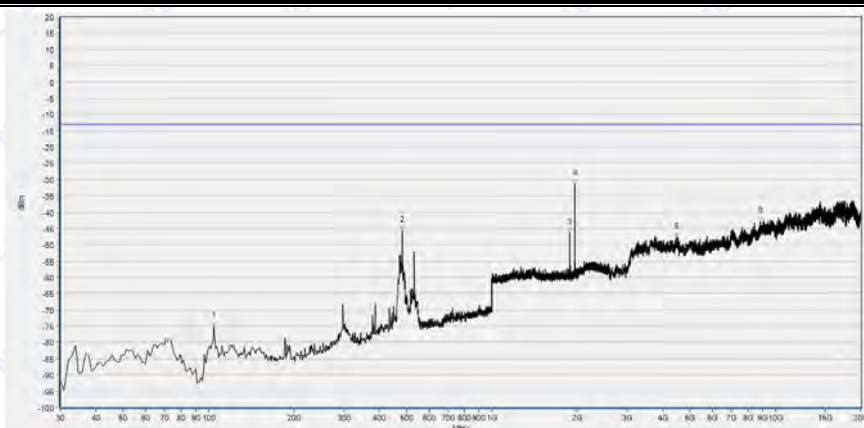
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



## LTE Band 2 1.4MHz BW, Mid Channel, QPSK



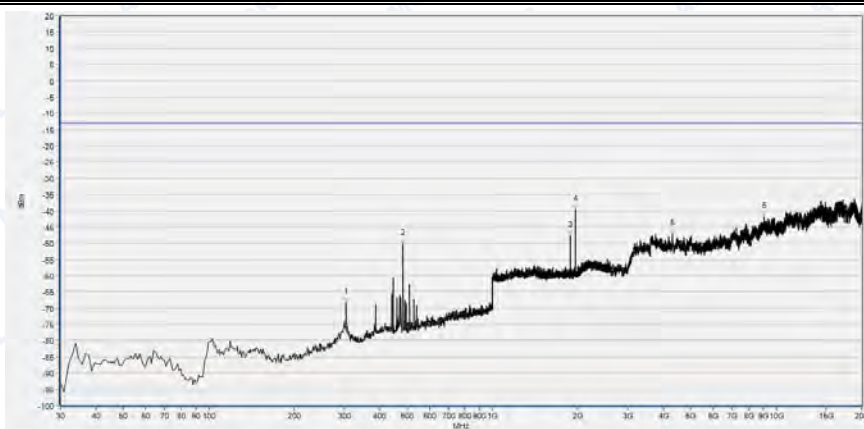
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	145.430	-69.06	-13.00	Horizontal	PASS
2	480.080	-52.16	-13.00	Horizontal	PASS
3	1880.352	-52.80	-13.00	Horizontal	PASS
4	1959.744	-38.08	-13.00	Horizontal	PASS
5	3761.266	-46.58	-13.00	Horizontal	PASS
6	9092.962	-41.97	-13.00	Horizontal	PASS



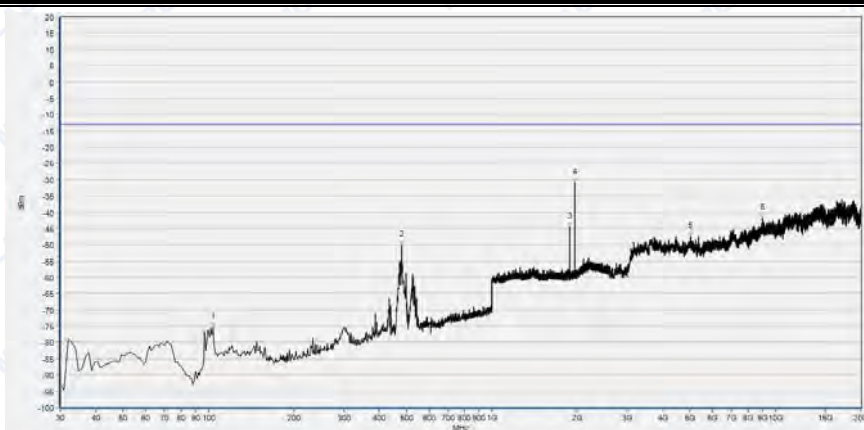
Num.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	104.690	-74.94	-13.00	Vertical	PASS
2	482.990	-45.71	-13.00	Vertical	PASS
3	1879.712	-46.30	-13.00	Vertical	PASS
4	1960.384	-31.48	-13.00	Vertical	PASS
5	4479.542	-47.81	-13.00	Vertical	PASS
6	8846.154	-42.70	-13.00	Vertical	PASS



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



Num	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	304.510	-68.16	-13.00	Horizontal	PASS
2	482.990	-50.15	-13.00	Horizontal	PASS
3	1879.712	-47.74	-13.00	Horizontal	PASS
4	1959.744	-39.69	-13.00	Horizontal	PASS
5	4311.839	-47.33	-13.00	Horizontal	PASS
6	9032.842	-42.01	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.720	-75.38	-13.00	Vertical	PASS
2	481.050	-50.12	-13.00	Vertical	PASS
3	1879.712	-44.65	-13.00	Vertical	PASS
4	1959.744	-30.91	-13.00	Vertical	PASS
5	5017.458	-47.51	-13.00	Vertical	PASS
6	9023.350	-41.97	-13.00	Vertical	PASS

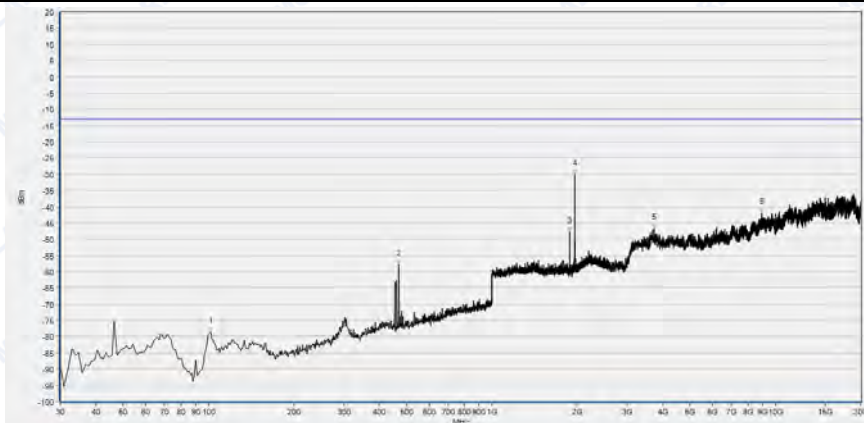




## LTE Band 2 3MHz BW, Mid Channel, QPSK



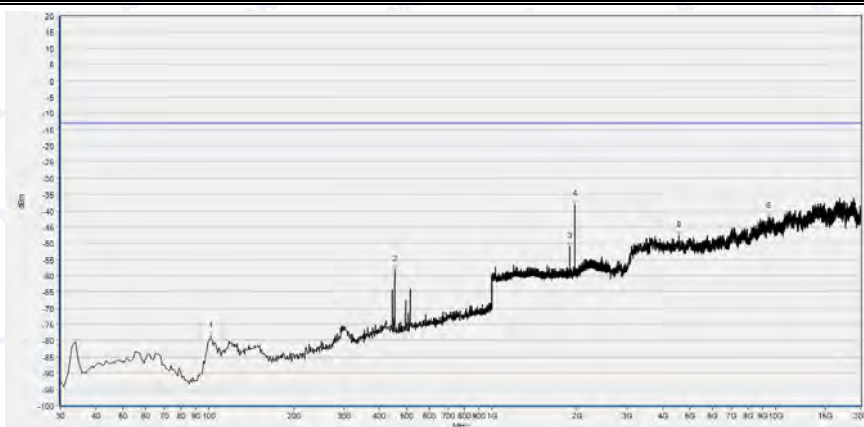
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	102.750	-78.86	-13.00	Horizontal	PASS
2	460.680	-62.78	-13.00	Horizontal	PASS
3	1878.431	-49.48	-13.00	Horizontal	PASS
4	1960.384	-38.21	-13.00	Horizontal	PASS
5	4995.308	-48.21	-13.00	Horizontal	PASS
6	9722.640	-41.58	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	101.780	-78.50	-13.00	Vertical	PASS
2	468.440	-57.76	-13.00	Vertical	PASS
3	1879.072	-47.67	-13.00	Vertical	PASS
4	1960.384	-30.14	-13.00	Vertical	PASS
5	3735.952	-46.69	-13.00	Vertical	PASS
6	8969.558	-41.97	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	101.780	-78.76	-13.00	Horizontal	PASS
2	453.890	-58.19	-13.00	Horizontal	PASS
3	1880.352	-51.01	-13.00	Horizontal	PASS
4	1959.104	-38.13	-13.00	Horizontal	PASS
5	4558.647	-47.78	-13.00	Horizontal	PASS
6	9418.876	-41.82	-13.00	Horizontal	PASS



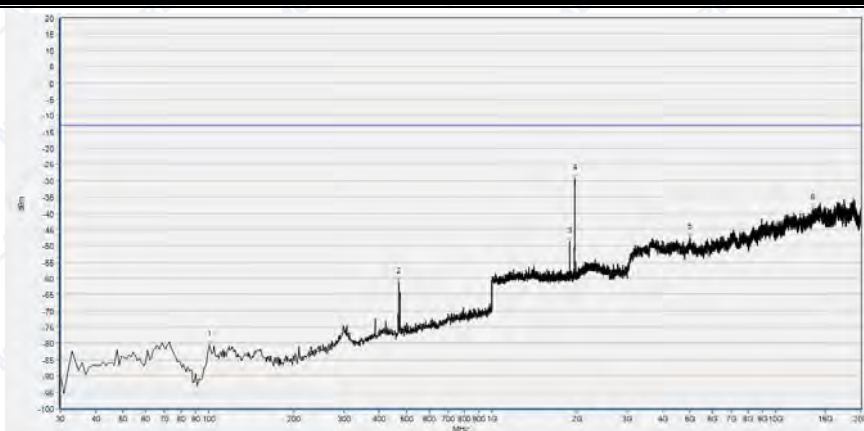
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	46.490	-74.47	-13.00	Vertical	PASS
2	485.900	-49.33	-13.00	Vertical	PASS
3	1879.072	-48.47	-13.00	Vertical	PASS
4	1959.104	-29.55	-13.00	Vertical	PASS
5	4315.003	-47.66	-13.00	Vertical	PASS
6	9849.209	-42.10	-13.00	Vertical	PASS



## LTE Band 2 5MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	192.960	-64.67	-13.00	Horizontal	PASS
2	480.080	-51.03	-13.00	Horizontal	PASS
3	1878.431	-50.84	-13.00	Horizontal	PASS
4	1959.744	-37.09	-13.00	Horizontal	PASS
5	3599.891	-47.89	-13.00	Horizontal	PASS
6	7115.330	-45.44	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.810	-80.64	-13.00	Vertical	PASS
2	469.410	-61.18	-13.00	Vertical	PASS
3	1878.431	-48.87	-13.00	Vertical	PASS
4	1957.823	-29.40	-13.00	Vertical	PASS
5	4988.980	-47.57	-13.00	Vertical	PASS
6	13560.829	-38.46	-13.00	Vertical	PASS

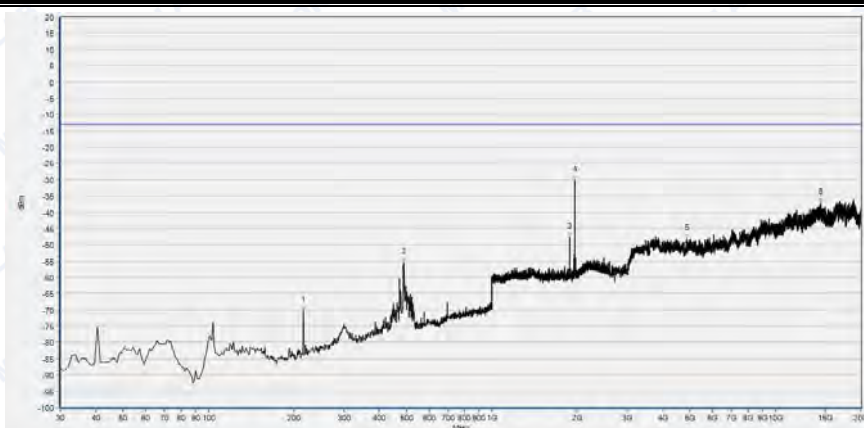




## LTE Band 2 5MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	102.750	-79.08	-13.00	Horizontal	PASS
2	484.930	-56.70	-13.00	Horizontal	PASS
3	1878.431	-50.60	-13.00	Horizontal	PASS
4	1961.665	-38.04	-13.00	Horizontal	PASS
5	3739.116	-46.77	-13.00	Horizontal	PASS
6	7026.732	-45.68	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	216.240	-70.26	-13.00	Vertical	PASS
2	489.780	-55.62	-13.00	Vertical	PASS
3	1879.712	-47.64	-13.00	Vertical	PASS
4	1960.384	-30.21	-13.00	Vertical	PASS
5	4875.068	-48.19	-13.00	Vertical	PASS
6	14468.958	-37.24	-13.00	Vertical	PASS



## LTE Band 2 10MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	104.690	-72.28	-13.00	Horizontal	PASS
2	476.200	-44.57	-13.00	Horizontal	PASS
3	1875.230	-49.71	-13.00	Horizontal	PASS
4	1962.305	-39.02	-13.00	Horizontal	PASS
5	4324.495	-47.02	-13.00	Horizontal	PASS
6	7020.404	-44.19	-13.00	Horizontal	PASS



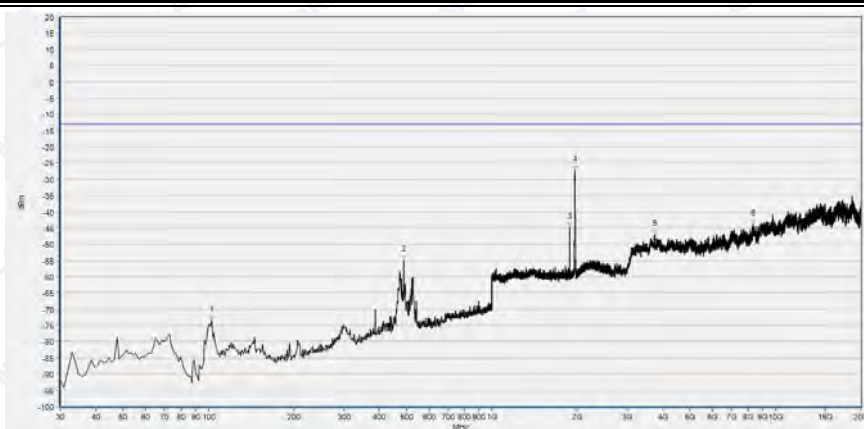
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	299.660	-74.16	-13.00	Vertical	PASS
2	513.060	-65.87	-13.00	Vertical	PASS
3	1875.230	-45.66	-13.00	Vertical	PASS
4	1962.945	-28.86	-13.00	Vertical	PASS
5	3735.952	-47.43	-13.00	Vertical	PASS
6	7058.374	-45.91	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.810	-78.95	-13.00	Horizontal	PASS
2	520.820	-60.66	-13.00	Horizontal	PASS
3	1875.870	-47.35	-13.00	Horizontal	PASS
4	1959.104	-37.59	-13.00	Horizontal	PASS
5	3631.533	-46.75	-13.00	Horizontal	PASS
6	6378.069	-46.54	-13.00	Horizontal	PASS



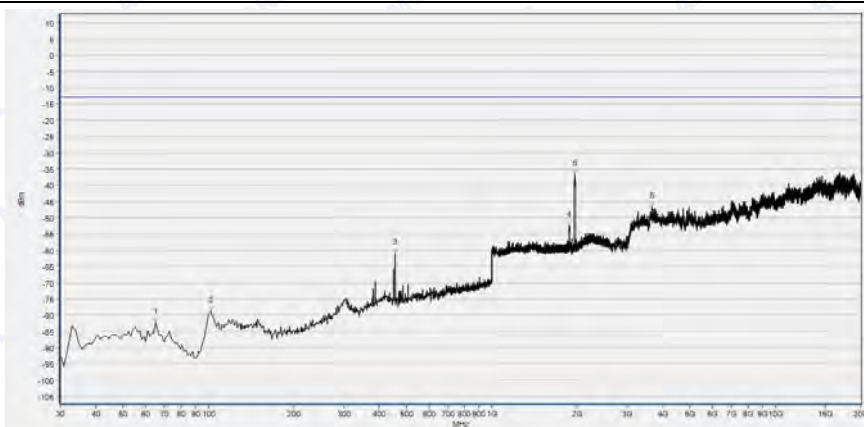
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	102.750	-73.52	-13.00	Vertical	PASS
2	488.810	-54.83	-13.00	Vertical	PASS
3	1875.870	-44.85	-13.00	Vertical	PASS
4	1962.945	-27.28	-13.00	Vertical	PASS
5	3751.773	-47.09	-13.00	Vertical	PASS
6	8339.880	-44.02	-13.00	Vertical	PASS



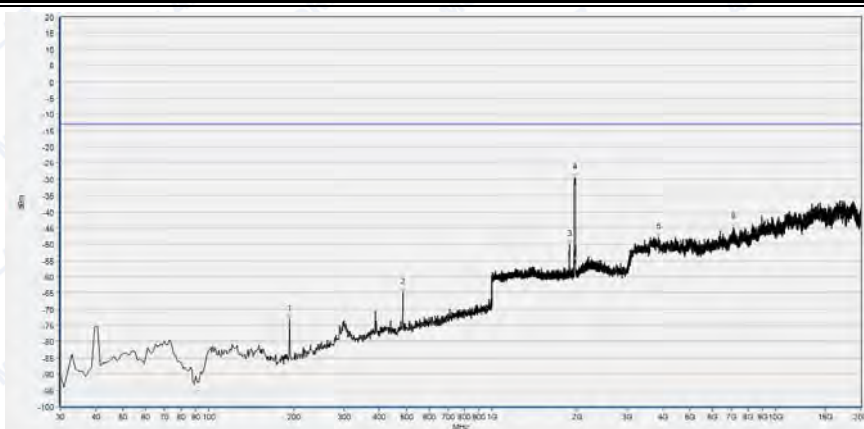


REPORT No.: SZ16050107W09

## LTE Band 2 15MHz BW, Mid Channel, QPSK



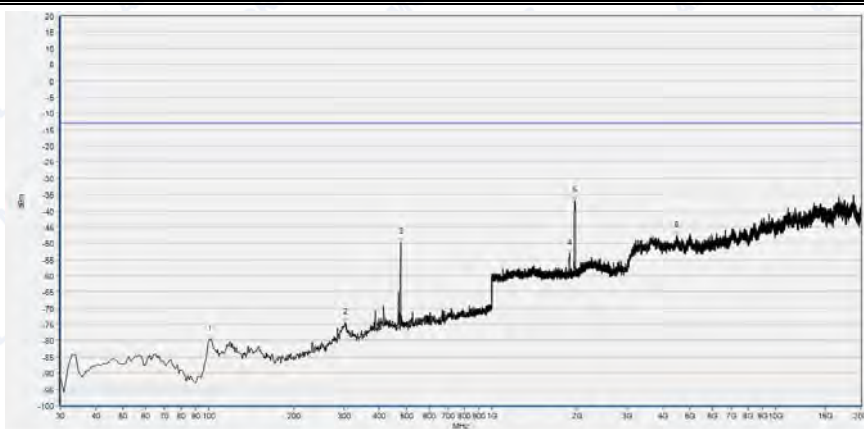
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-82.25	-13.00	Horizontal	PASS
2	101.780	-78.81	-13.00	Horizontal	PASS
3	455.830	-60.89	-13.00	Horizontal	PASS
4	1873.309	-52.41	-13.00	Horizontal	PASS
5	1958.463	-36.62	-13.00	Horizontal	PASS
6	3672.668	-46.57	-13.00	Horizontal	PASS



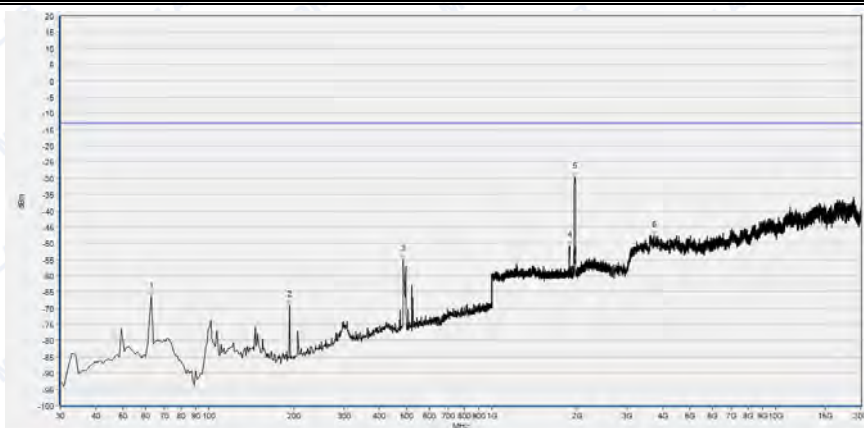
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	192.960	-73.25	-13.00	Vertical	PASS
2	484.930	-64.96	-13.00	Vertical	PASS
3	1875.870	-50.27	-13.00	Vertical	PASS
4	1954.622	-29.53	-13.00	Vertical	PASS
5	3872.013	-47.94	-13.00	Vertical	PASS
6	7090.016	-44.70	-13.00	Vertical	PASS



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



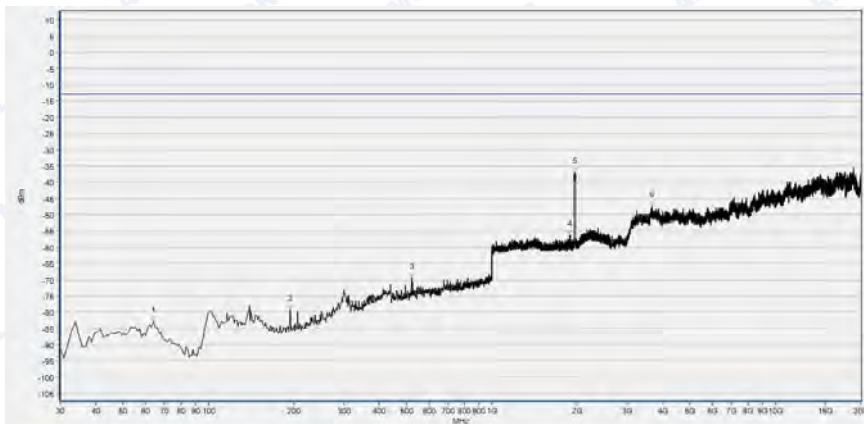
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.810	-79.64	-13.00	Horizontal	PASS
2	304.510	-74.62	-13.00	Horizontal	PASS
3	476.200	-49.74	-13.00	Horizontal	PASS
4	1875.230	-53.28	-13.00	Horizontal	PASS
5	1962.305	-37.02	-13.00	Horizontal	PASS
6	4473.213	-47.81	-13.00	Horizontal	PASS



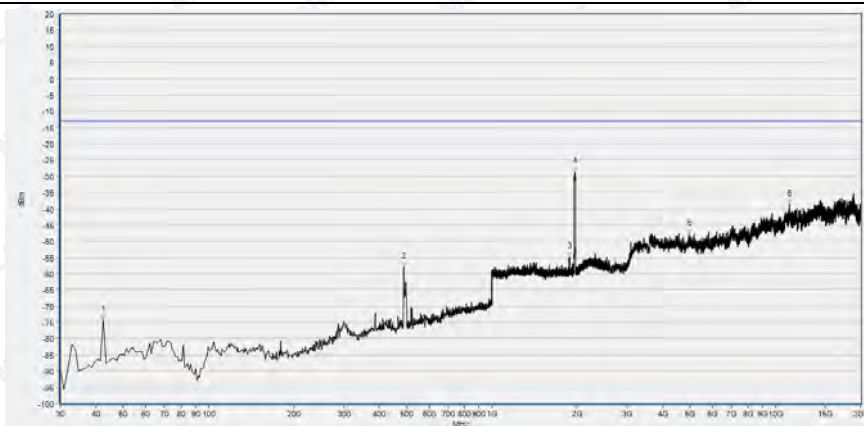
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-66.50	-13.00	Vertical	PASS
2	192.960	-69.18	-13.00	Vertical	PASS
3	486.870	-55.12	-13.00	Vertical	PASS
4	1874.590	-50.92	-13.00	Vertical	PASS
5	1959.744	-29.68	-13.00	Vertical	PASS
6	3723.295	-47.75	-13.00	Vertical	PASS



## LTE Band 2 20MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-82.79	-13.00	Horizontal	PASS
2	193.930	-79.36	-13.00	Horizontal	PASS
3	519.850	-69.47	-13.00	Horizontal	PASS
4	1875.230	-56.25	-13.00	Horizontal	PASS
5	1959.744	-36.89	-13.00	Horizontal	PASS
6	3675.832	-47.38	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	42.610	-74.41	-13.00	Vertical	PASS
2	487.840	-58.02	-13.00	Vertical	PASS
3	1875.870	-54.97	-13.00	Vertical	PASS
4	1961.024	-28.79	-13.00	Vertical	PASS
5	4944.681	-47.82	-13.00	Vertical	PASS
6	11193.999	-38.70	-13.00	Vertical	PASS

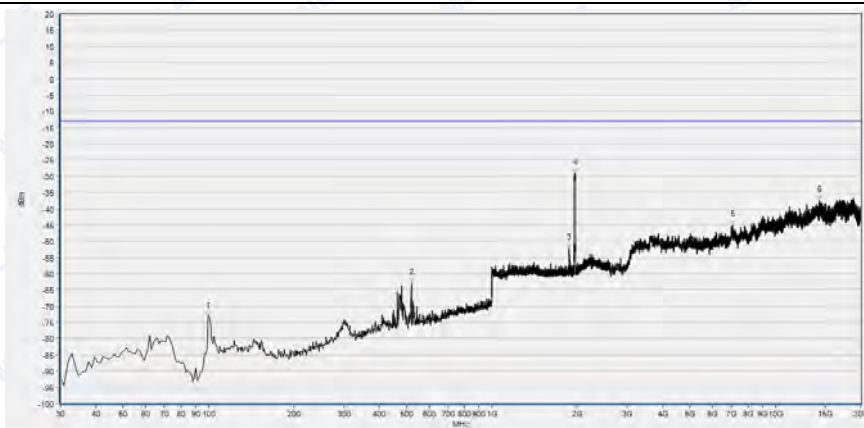




## LTE Band 2 20MHz BW, Mid Channel, 16QAM



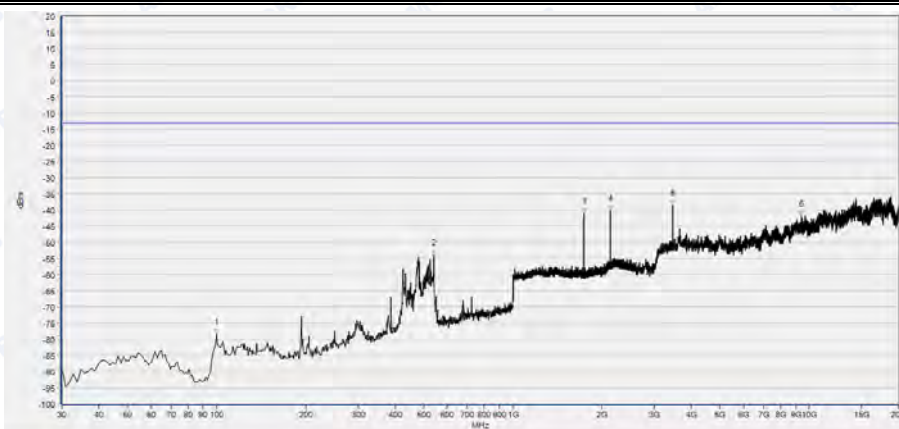
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	102.750	-80.54	-13.00	Horizontal	PASS
2	301.600	-74.47	-13.00	Horizontal	PASS
3	498.510	-54.66	-13.00	Horizontal	PASS
4	1876.511	-55.00	-13.00	Horizontal	PASS
5	1959.744	-36.21	-13.00	Horizontal	PASS
6	3628.369	-46.48	-13.00	Horizontal	PASS



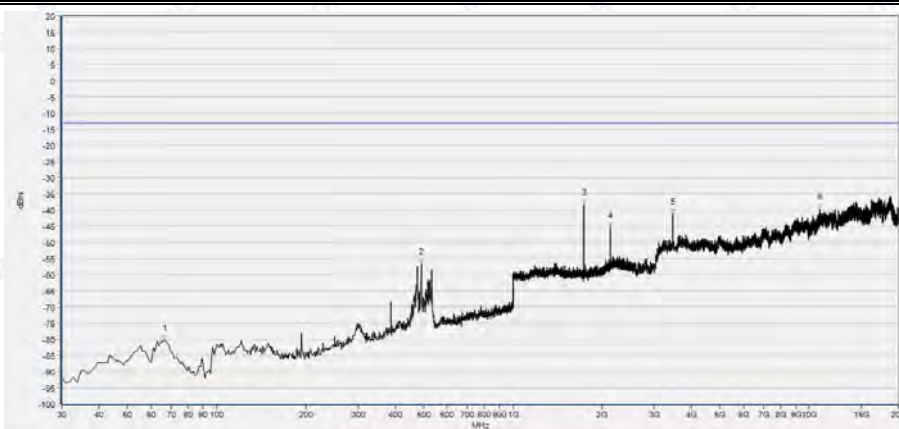
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	99.840	-73.11	-13.00	Vertical	PASS
2	519.850	-62.83	-13.00	Vertical	PASS
3	1873.309	-52.25	-13.00	Vertical	PASS
4	1962.945	-29.19	-13.00	Vertical	PASS
5	7058.374	-45.00	-13.00	Vertical	PASS
6	14307.583	-37.46	-13.00	Vertical	PASS



## LTE Band 4 1.4MHz BW, Mid Channel, QPSK



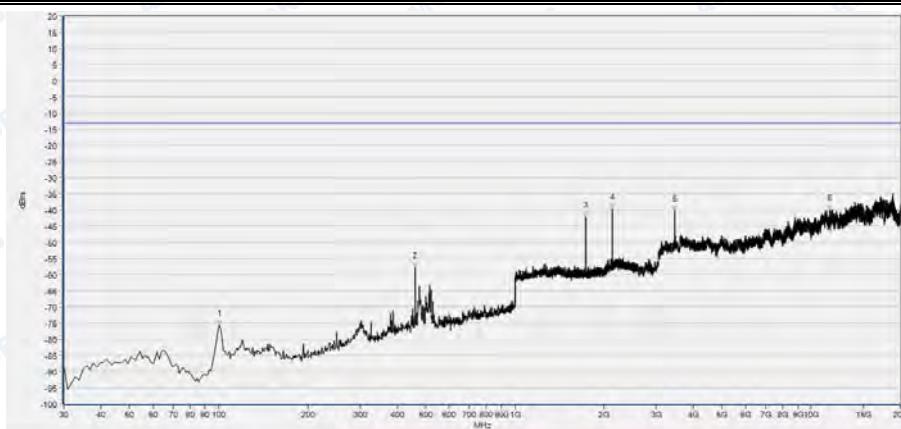
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	99.840	-78.25	-13.00	Horizontal	PASS
2	539.250	-53.84	-13.00	Horizontal	PASS
3	1733.093	-41.03	-13.00	Horizontal	PASS
4	2133.253	-40.31	-13.00	Horizontal	PASS
5	3466.994	-38.61	-13.00	Horizontal	PASS
6	9387.234	-41.99	-13.00	Horizontal	PASS



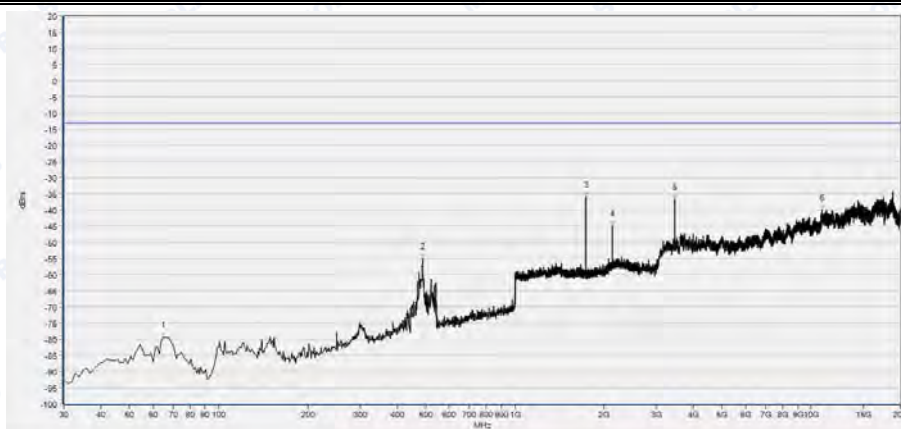
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	66.860	-80.22	-13.00	Vertical	PASS
2	490.750	-56.72	-13.00	Vertical	PASS
3	1733.093	-38.44	-13.00	Vertical	PASS
4	2132.613	-45.55	-13.00	Vertical	PASS
5	3466.994	-41.08	-13.00	Vertical	PASS
6	10830.115	-39.71	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.810	-75.63	-13.00	Horizontal	PASS
2	460.680	-57.76	-13.00	Horizontal	PASS
3	1732.453	-42.06	-13.00	Horizontal	PASS
4	2132.613	-39.78	-13.00	Horizontal	PASS
5	3466.994	-40.16	-13.00	Horizontal	PASS
6	11532.570	-39.99	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-79.40	-13.00	Vertical	PASS
2	487.840	-54.88	-13.00	Vertical	PASS
3	1733.093	-35.99	-13.00	Vertical	PASS
4	2132.613	-44.93	-13.00	Vertical	PASS
5	3463.830	-36.72	-13.00	Vertical	PASS
6	10836.443	-40.08	-13.00	Vertical	PASS

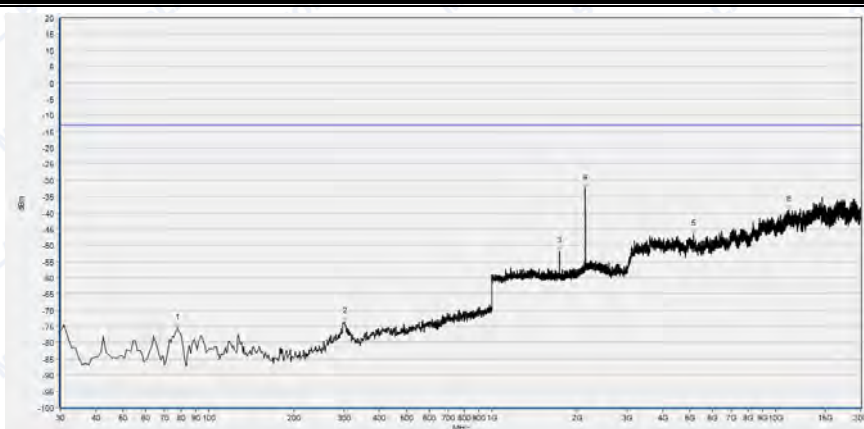




## LTE Band 4 3MHz BW, Mid Channel, QPSK



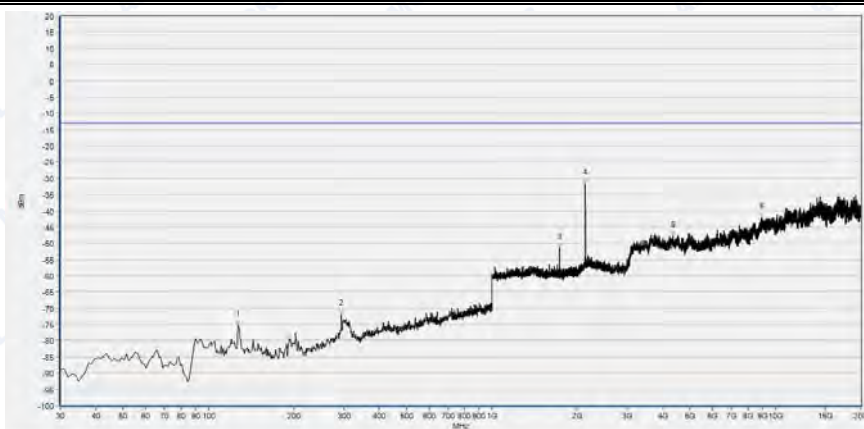
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	92.142	-78.04	-13.00	Horizontal	PASS
2	298.959	-73.45	-13.00	Horizontal	PASS
3	1732.366	-51.81	-13.00	Horizontal	PASS
4	2133.367	-32.56	-13.00	Horizontal	PASS
5	6466.344	-45.77	-13.00	Horizontal	PASS
6	10895.383	-38.54	-13.00	Horizontal	PASS



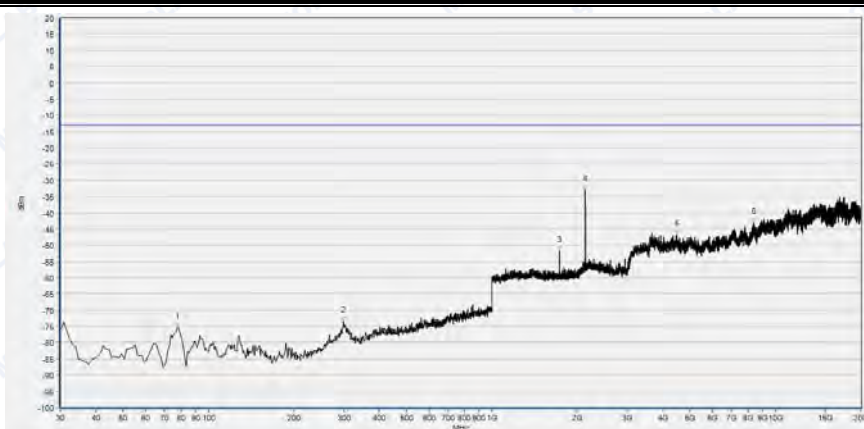
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	77.578	-75.59	-13.00	Vertical	PASS
2	301.872	-73.70	-13.00	Vertical	PASS
3	1732.366	-51.94	-13.00	Vertical	PASS
4	2133.367	-32.54	-13.00	Vertical	PASS
5	5146.624	-46.67	-13.00	Vertical	PASS
6	11147.725	-39.27	-13.00	Vertical	PASS



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



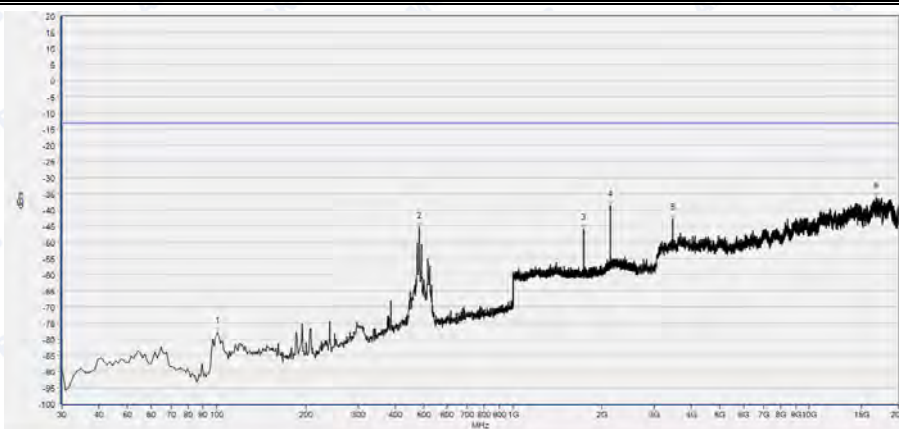
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	127.097	-75.20	-13.00	Horizontal	PASS
2	294.104	-71.95	-13.00	Horizontal	PASS
3	1732.366	-51.49	-13.00	Horizontal	PASS
4	2133.367	-31.51	-13.00	Horizontal	PASS
5	4354.792	-47.61	-13.00	Horizontal	PASS
6	8937.556	-42.20	-13.00	Horizontal	PASS



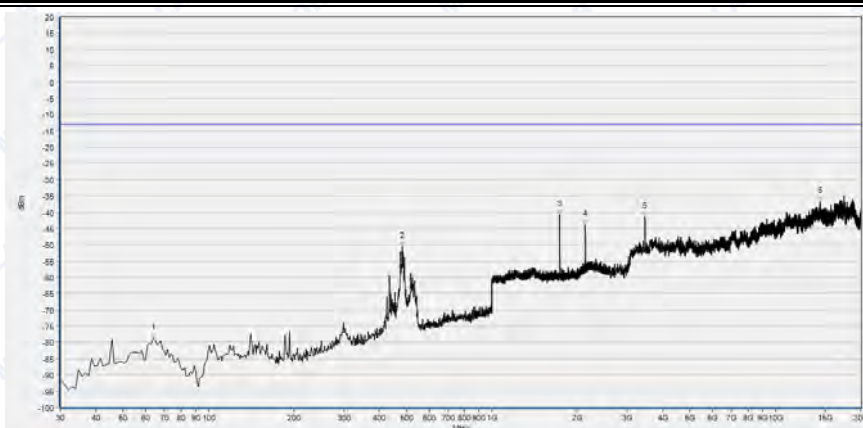
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	77.578	-75.38	-13.00	Vertical	PASS
2	299.930	-73.51	-13.00	Vertical	PASS
3	1732.366	-51.77	-13.00	Vertical	PASS
4	2132.566	-32.98	-13.00	Vertical	PASS
5	4473.712	-46.89	-13.00	Vertical	PASS
6	8383.564	-43.00	-13.00	Vertical	PASS



## LTE Band 4 5MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.810	-77.96	-13.00	Horizontal	PASS
2	482.990	-45.37	-13.00	Horizontal	PASS
3	1731.813	-46.02	-13.00	Horizontal	PASS
4	2132.613	-38.84	-13.00	Horizontal	PASS
5	3460.666	-42.90	-13.00	Horizontal	PASS
6	16763.011	-36.12	-13.00	Horizontal	PASS

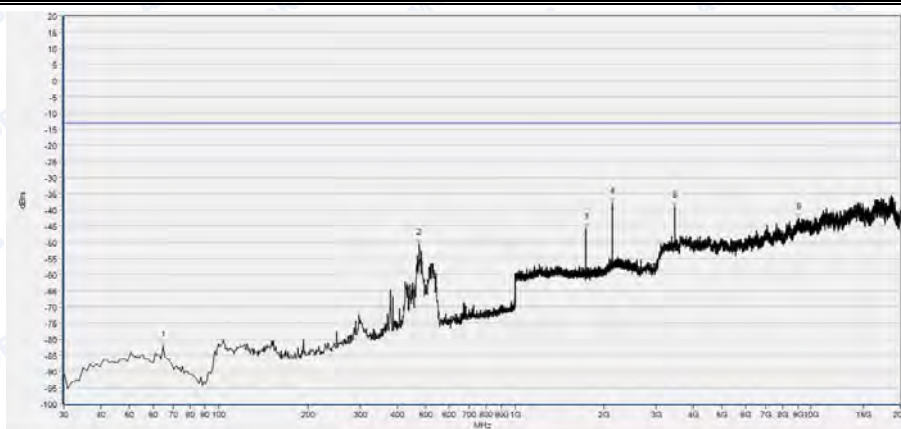


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-78.79	-13.00	Vertical	PASS
2	482.990	-50.69	-13.00	Vertical	PASS
3	1732.453	-40.82	-13.00	Vertical	PASS
4	2131.973	-43.95	-13.00	Vertical	PASS
5	3463.830	-41.42	-13.00	Vertical	PASS
6	14396.181	-36.79	-13.00	Vertical	PASS

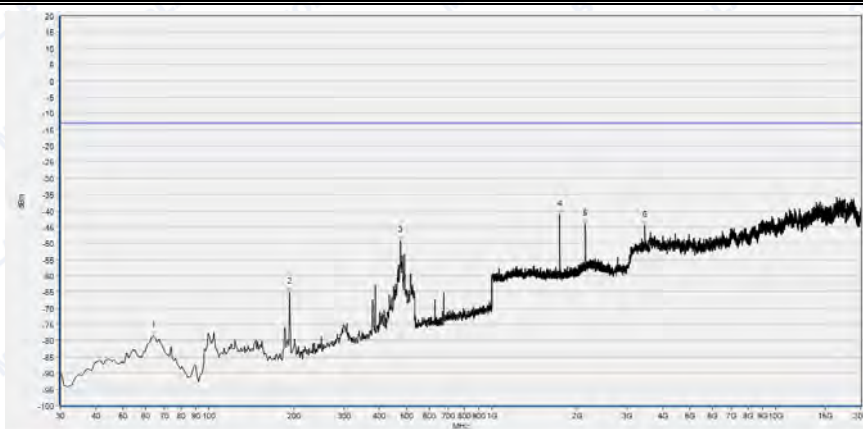




## LTE Band 4 5MHz BW, Mid Channel, 16QAM



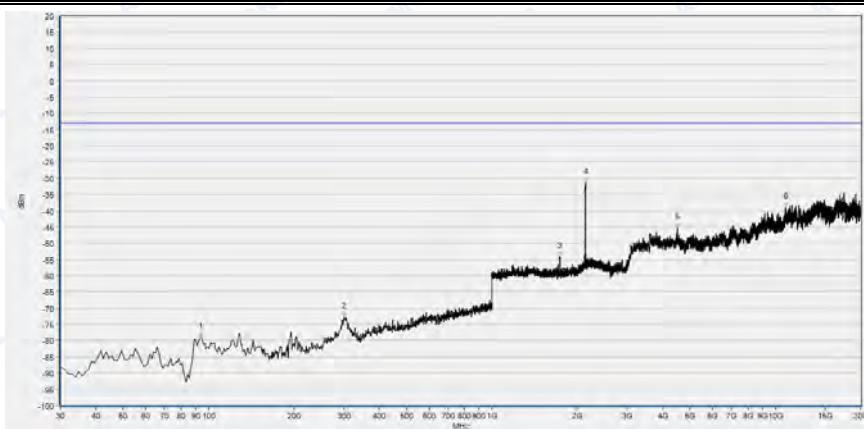
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-82.10	-13.00	Horizontal	PASS
2	475.230	-50.57	-13.00	Horizontal	PASS
3	1733.093	-45.77	-13.00	Horizontal	PASS
4	2131.333	-37.95	-13.00	Horizontal	PASS
5	3463.830	-39.05	-13.00	Horizontal	PASS
6	9083.470	-42.72	-13.00	Horizontal	PASS



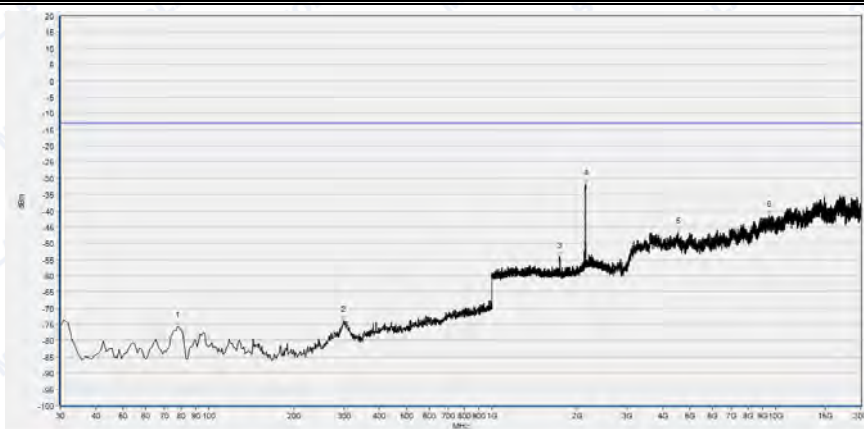
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-78.47	-13.00	Vertical	PASS
2	192.960	-65.08	-13.00	Vertical	PASS
3	475.230	-49.26	-13.00	Vertical	PASS
4	1733.093	-41.21	-13.00	Vertical	PASS
5	2133.894	-44.23	-13.00	Vertical	PASS
6	3463.830	-44.54	-13.00	Vertical	PASS



## LTE Band 4 10MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	94.084	-79.01	-13.00	Horizontal	PASS
2	300.901	-72.75	-13.00	Horizontal	PASS
3	1735.568	-54.11	-13.00	Horizontal	PASS
4	2135.768	-31.46	-13.00	Horizontal	PASS
5	4517.220	-45.32	-13.00	Horizontal	PASS
6	10848.975	-39.01	-13.00	Horizontal	PASS



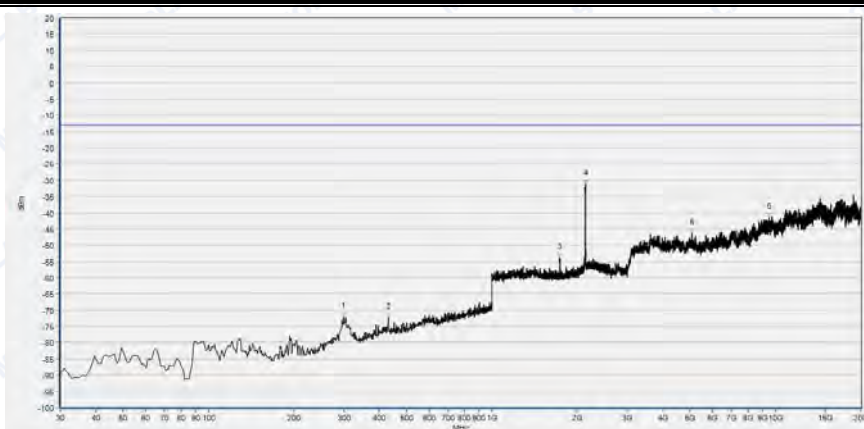
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	77.578	-75.54	-13.00	Vertical	PASS
2	299.930	-73.78	-13.00	Vertical	PASS
3	1731.566	-54.20	-13.00	Vertical	PASS
4	2136.568	-31.81	-13.00	Vertical	PASS
5	4543.324	-46.67	-13.00	Vertical	PASS
6	9471.245	-41.41	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	78.549	-75.81	-13.00	Horizontal	PASS
2	301.872	-73.28	-13.00	Horizontal	PASS
3	1730.765	-53.90	-13.00	Horizontal	PASS
4	2136.568	-31.11	-13.00	Horizontal	PASS
5	4940.690	-47.78	-13.00	Horizontal	PASS
6	9401.634	-40.29	-13.00	Horizontal	PASS

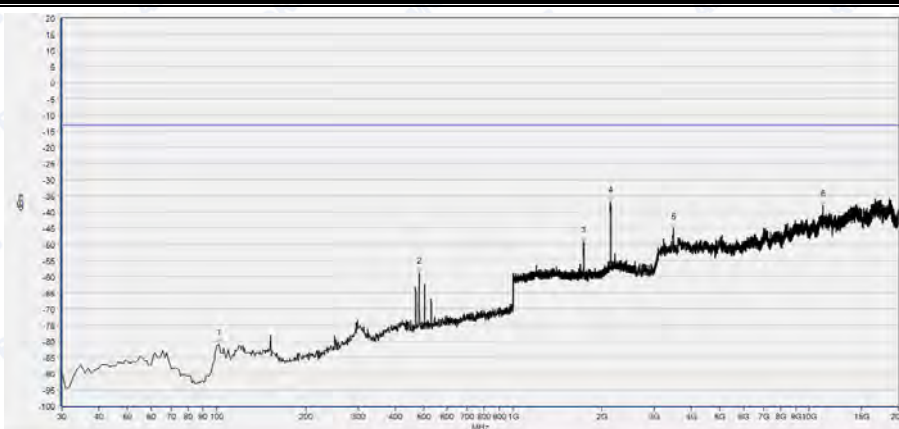


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	299.930	-72.04	-13.00	Vertical	PASS
2	431.011	-72.30	-13.00	Vertical	PASS
3	1730.765	-53.87	-13.00	Vertical	PASS
4	2136.568	-31.15	-13.00	Vertical	PASS
5	5068.311	-46.37	-13.00	Vertical	PASS
6	9485.748	-41.39	-13.00	Vertical	PASS

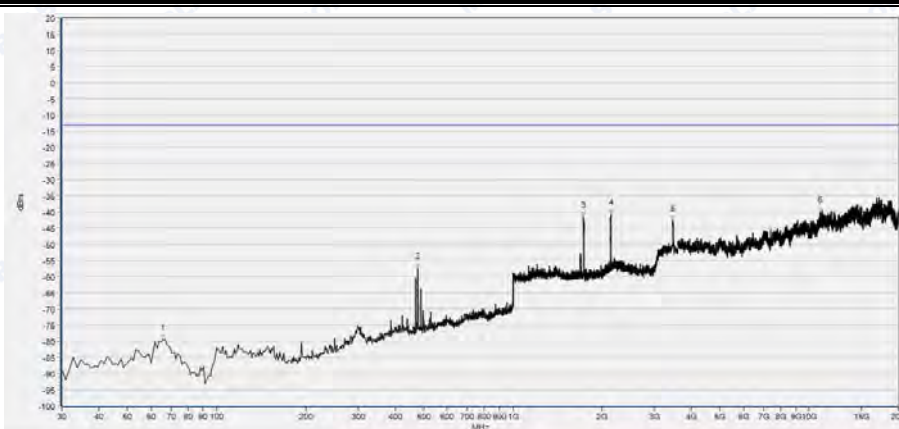




## LTE Band 4 15MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	101.780	-80.95	-13.00	Horizontal	PASS
2	482.020	-58.77	-13.00	Horizontal	PASS
3	1730.532	-49.20	-13.00	Horizontal	PASS
4	2131.333	-36.92	-13.00	Horizontal	PASS
5	3473.322	-45.19	-13.00	Horizontal	PASS
6	11143.372	-38.14	-13.00	Horizontal	PASS



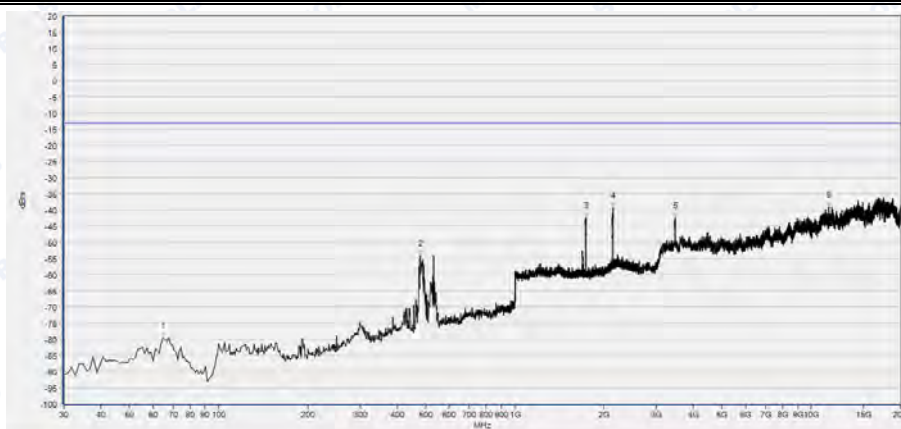
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-79.62	-13.00	Vertical	PASS
2	477.170	-57.34	-13.00	Vertical	PASS
3	1731.813	-41.75	-13.00	Vertical	PASS
4	2138.375	-40.75	-13.00	Vertical	PASS
5	3457.501	-42.51	-13.00	Vertical	PASS
6	10839.607	-40.05	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	99.840	-81.87	-13.00	Horizontal	PASS
2	471.350	-60.16	-13.00	Horizontal	PASS
3	1733.093	-48.63	-13.00	Horizontal	PASS
4	2137.095	-36.32	-13.00	Horizontal	PASS
5	3466.994	-45.11	-13.00	Horizontal	PASS
6	11209.820	-37.85	-13.00	Horizontal	PASS



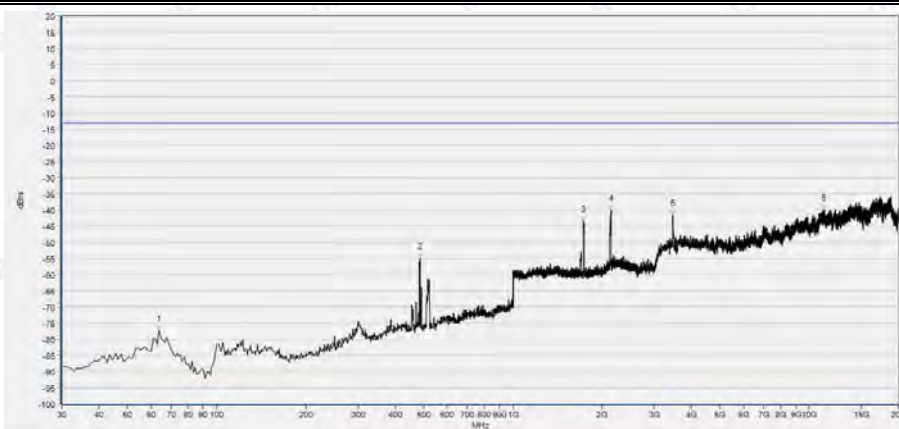
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-79.53	-13.00	Vertical	PASS
2	479.110	-53.96	-13.00	Vertical	PASS
3	1733.093	-42.37	-13.00	Vertical	PASS
4	2139.016	-39.37	-13.00	Vertical	PASS
5	3473.322	-42.45	-13.00	Vertical	PASS
6	11450.300	-39.13	-13.00	Vertical	PASS



## LTE Band 4 20MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-79.13	-13.00	Horizontal	PASS
2	524.700	-54.87	-13.00	Horizontal	PASS
3	1731.813	-50.11	-13.00	Horizontal	PASS
4	2138.375	-36.42	-13.00	Horizontal	PASS
5	3463.830	-41.73	-13.00	Horizontal	PASS
6	11206.656	-38.83	-13.00	Horizontal	PASS

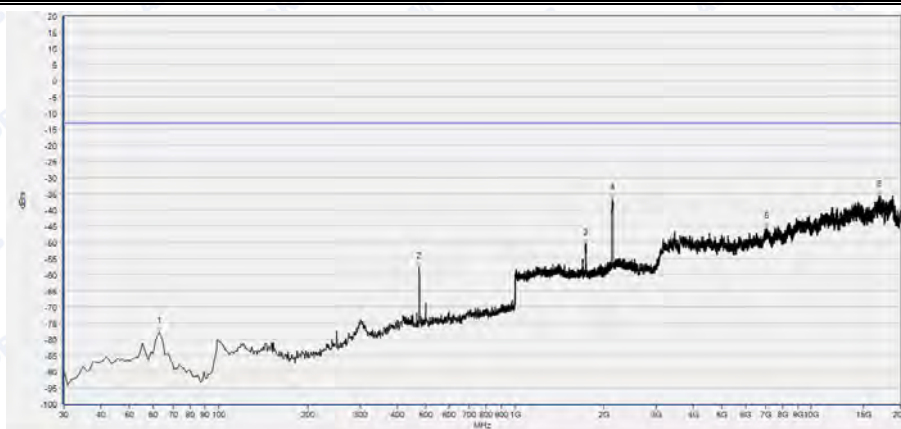


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-77.44	-13.00	Vertical	PASS
2	485.900	-54.99	-13.00	Vertical	PASS
3	1731.813	-43.69	-13.00	Vertical	PASS
4	2141.577	-40.34	-13.00	Vertical	PASS
5	3466.994	-41.63	-13.00	Vertical	PASS
6	11200.327	-39.97	-13.00	Vertical	PASS





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



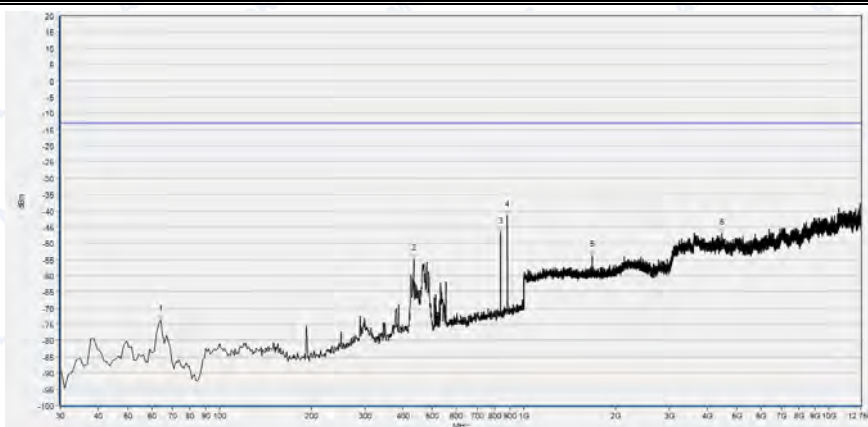
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-77.90	-13.00	Horizontal	PASS
2	475.230	-57.90	-13.00	Horizontal	PASS
3	1730.532	-50.50	-13.00	Horizontal	PASS
4	2130.692	-36.68	-13.00	Horizontal	PASS
5	7061.538	-45.43	-13.00	Horizontal	PASS
6	16883.252	-35.66	-13.00	Horizontal	PASS



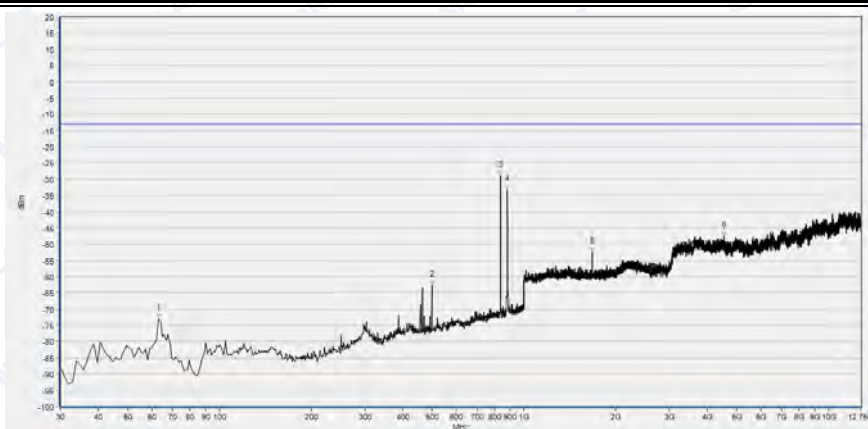
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-78.08	-13.00	Vertical	PASS
2	478.140	-53.51	-13.00	Vertical	PASS
3	1731.813	-44.24	-13.00	Vertical	PASS
4	2139.016	-38.81	-13.00	Vertical	PASS
5	3466.994	-43.04	-13.00	Vertical	PASS
6	10826.950	-40.69	-13.00	Vertical	PASS



## LTE Band 5 1.4MHz BW, Mid Channel, QPSK



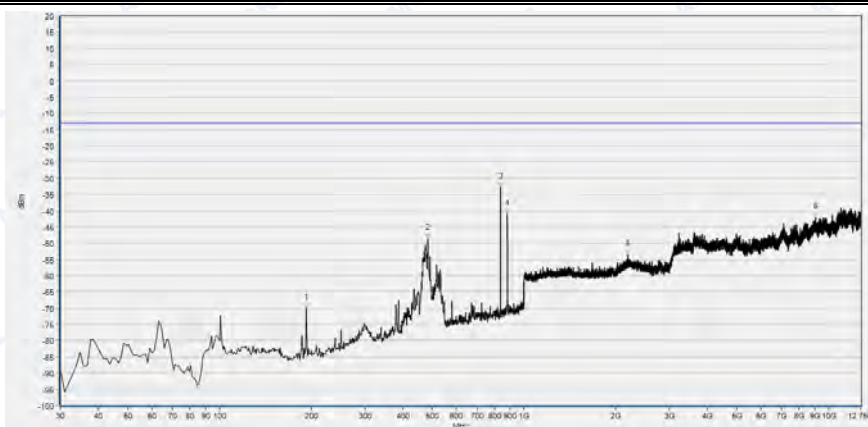
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-73.67	-13.00	Horizontal	PASS
2	434.490	-54.77	-13.00	Horizontal	PASS
3	836.070	-46.64	-13.00	Horizontal	PASS
4	881.660	-41.36	-13.00	Horizontal	PASS
5	1672.269	-53.74	-13.00	Horizontal	PASS
6	4469.785	-46.99	-13.00	Horizontal	PASS



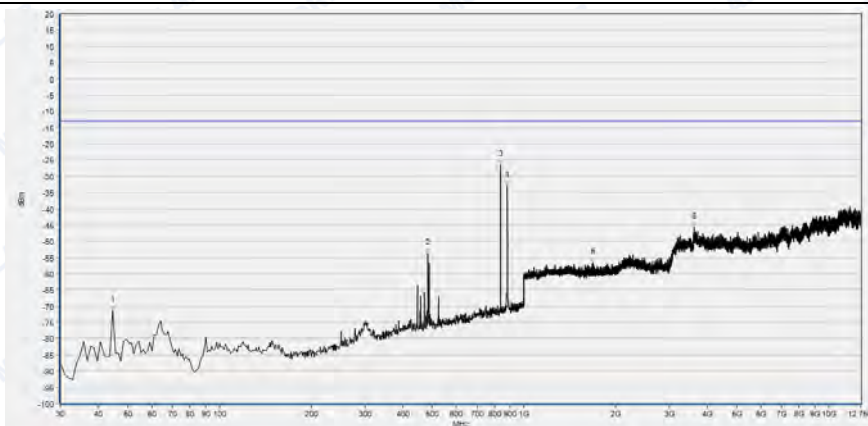
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	62.980	-72.98	-13.00	Vertical	PASS
2	498.510	-62.60	-13.00	Vertical	PASS
3	836.070	-28.92	-13.00	Vertical	PASS
4	880.690	-33.25	-13.00	Vertical	PASS
5	1672.909	-52.29	-13.00	Vertical	PASS
6	4536.234	-47.40	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	192.960	-70.03	-13.00	Horizontal	PASS
2	482.990	-48.63	-13.00	Horizontal	PASS
3	836.070	-32.67	-13.00	Horizontal	PASS
4	881.660	-41.10	-13.00	Horizontal	PASS
5	2188.315	-53.59	-13.00	Horizontal	PASS
6	9067.649	-42.05	-13.00	Horizontal	PASS

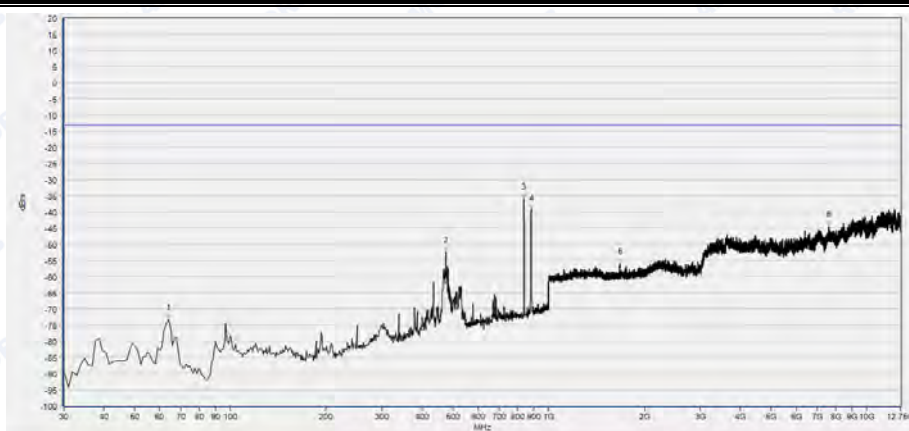


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	44.550	-71.39	-13.00	Vertical	PASS
2	482.990	-53.82	-13.00	Vertical	PASS
3	836.070	-26.41	-13.00	Vertical	PASS
4	881.660	-32.91	-13.00	Vertical	PASS
5	1685.074	-56.59	-13.00	Vertical	PASS
6	3622.568	-45.75	-13.00	Vertical	PASS

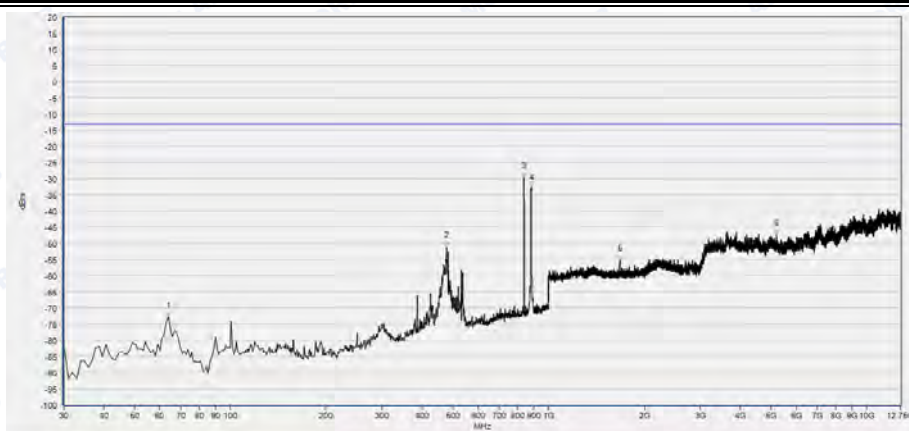




## LTE Band 5 3MHz BW, Mid Channel, QPSK



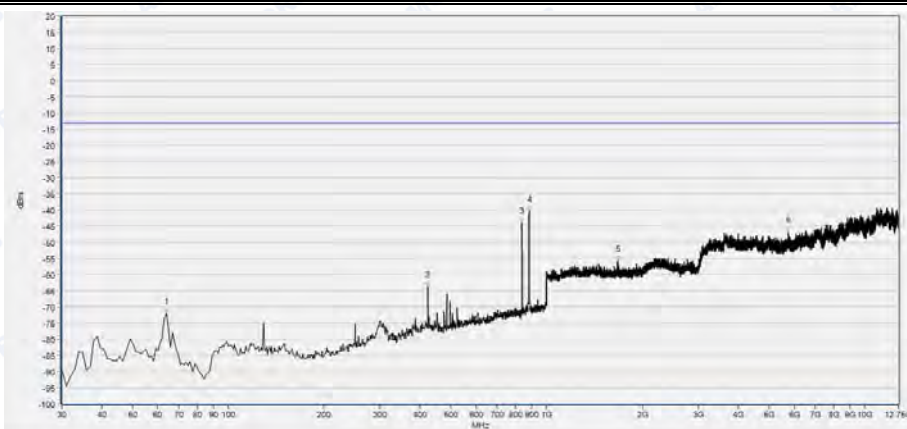
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-73.42	-13.00	Horizontal	PASS
2	475.230	-52.42	-13.00	Horizontal	PASS
3	835.100	-35.98	-13.00	Horizontal	PASS
4	881.660	-39.16	-13.00	Horizontal	PASS
5	1672.909	-55.94	-13.00	Horizontal	PASS
6	7587.325	-44.56	-13.00	Horizontal	PASS



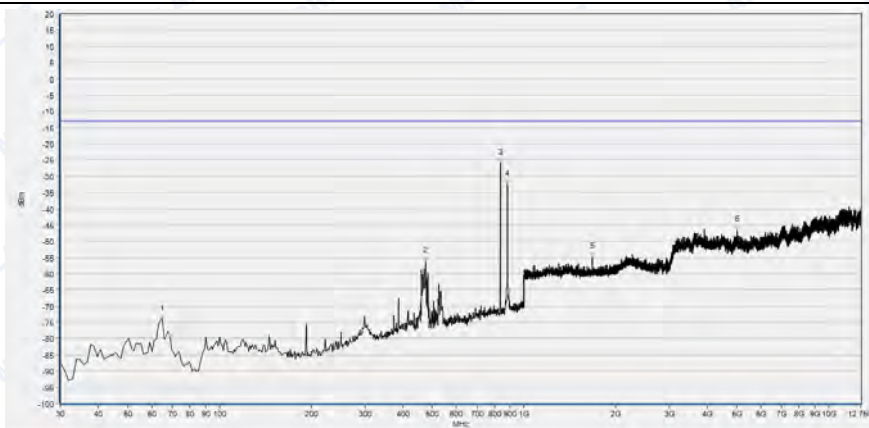
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-72.76	-13.00	Vertical	PASS
2	478.140	-51.15	-13.00	Vertical	PASS
3	836.070	-29.78	-13.00	Vertical	PASS
4	882.630	-32.64	-13.00	Vertical	PASS
5	1673.549	-55.23	-13.00	Vertical	PASS
6	5211.793	-47.30	-13.00	Vertical	PASS



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



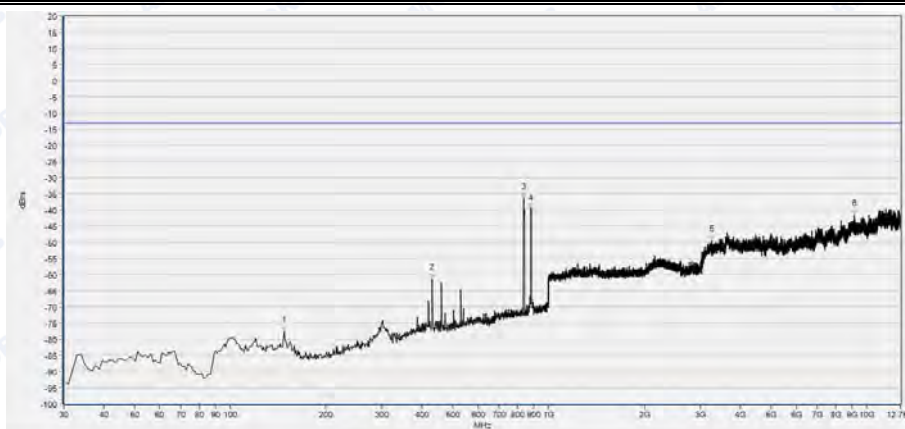
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-72.25	-13.00	Horizontal	PASS
2	423.820	-63.88	-13.00	Horizontal	PASS
3	835.100	-44.06	-13.00	Horizontal	PASS
4	881.660	-40.49	-13.00	Horizontal	PASS
5	1672.909	-55.66	-13.00	Horizontal	PASS
6	5737.843	-47.01	-13.00	Horizontal	PASS



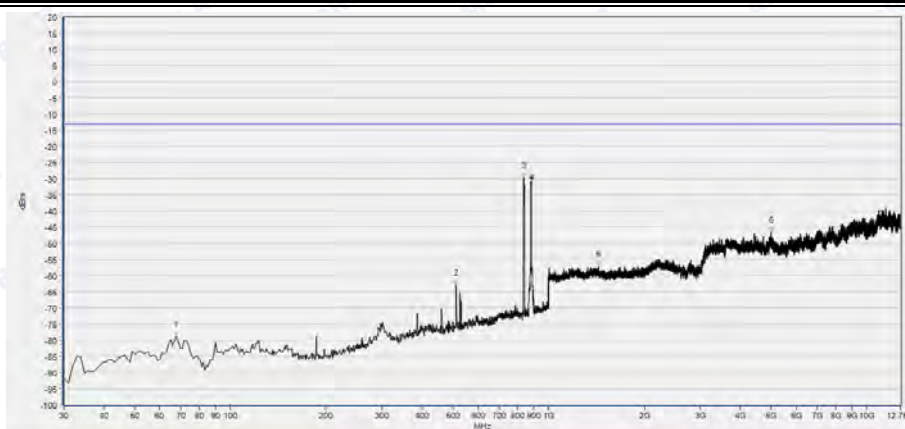
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-74.00	-13.00	Vertical	PASS
2	476.200	-56.17	-13.00	Vertical	PASS
3	835.100	-26.00	-13.00	Vertical	PASS
4	881.660	-32.56	-13.00	Vertical	PASS
5	1671.629	-54.86	-13.00	Vertical	PASS
6	4995.836	-46.58	-13.00	Vertical	PASS



## LTE Band 5 5MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	147.370	-77.52	-13.00	Horizontal	PASS
2	431.580	-61.38	-13.00	Horizontal	PASS
3	834.130	-36.52	-13.00	Horizontal	PASS
4	880.690	-39.55	-13.00	Horizontal	PASS
5	3255.256	-49.58	-13.00	Horizontal	PASS
6	9108.256	-41.71	-13.00	Horizontal	PASS

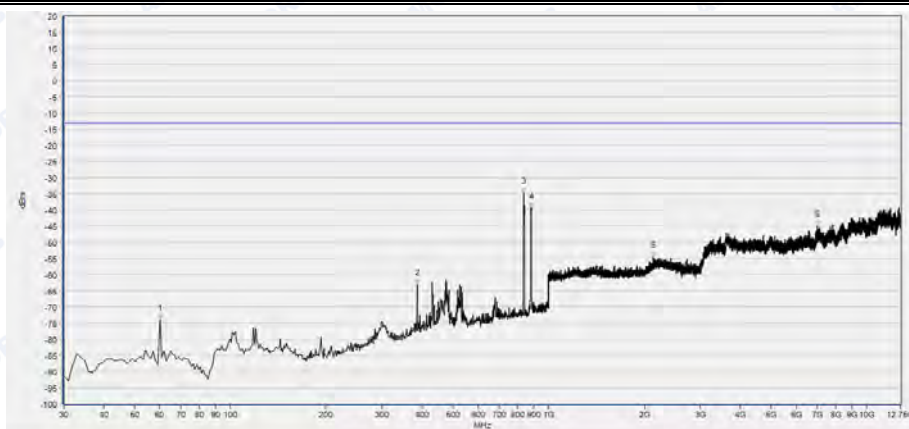


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	67.830	-78.85	-13.00	Vertical	PASS
2	513.060	-62.77	-13.00	Vertical	PASS
3	834.130	-29.66	-13.00	Vertical	PASS
4	882.630	-30.77	-13.00	Vertical	PASS
5	1431.533	-57.06	-13.00	Vertical	PASS
6	4995.836	-46.76	-13.00	Vertical	PASS

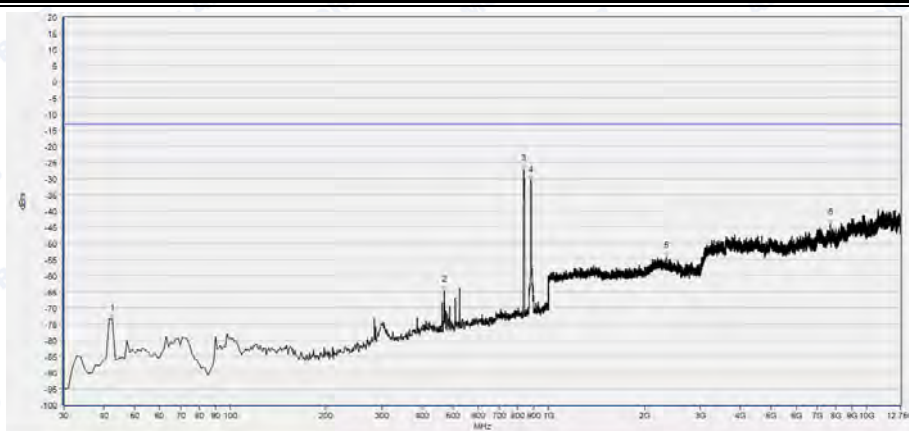




## LTE Band 5 5MHz BW, Mid Channel, 16QAM



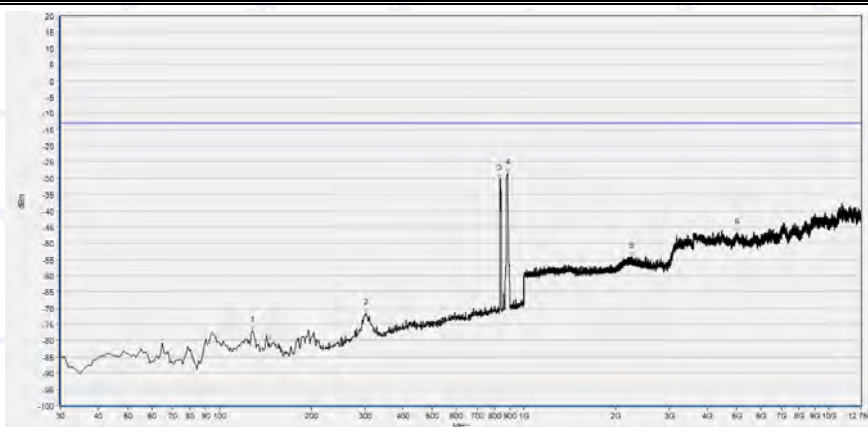
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	60.070	-74.10	-13.00	Horizontal	PASS
2	386.960	-63.03	-13.00	Horizontal	PASS
3	834.130	-34.72	-13.00	Horizontal	PASS
4	883.600	-39.45	-13.00	Horizontal	PASS
5	2131.333	-54.63	-13.00	Horizontal	PASS
6	6981.906	-45.06	-13.00	Horizontal	PASS



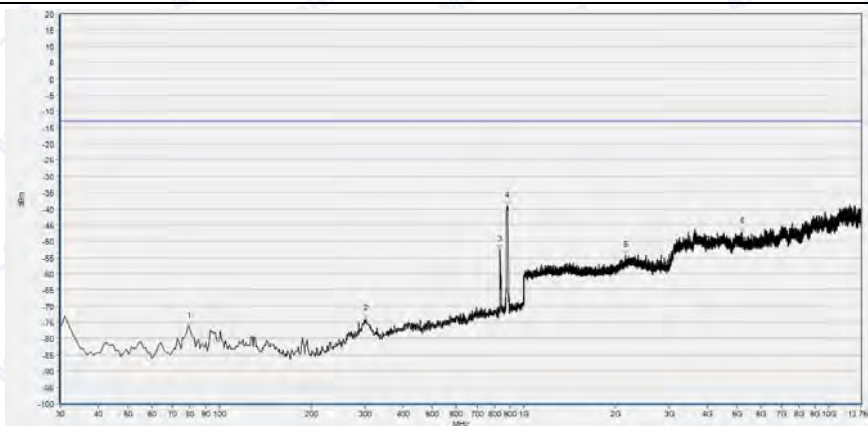
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	42.610	-73.61	-13.00	Vertical	PASS
2	469.410	-64.75	-13.00	Vertical	PASS
3	834.130	-27.48	-13.00	Vertical	PASS
4	879.720	-30.57	-13.00	Vertical	PASS
5	2338.776	-54.20	-13.00	Vertical	PASS
6	7696.227	-43.99	-13.00	Vertical	PASS



## LTE Band 5 10MHz BW, Mid Channel, QPSK



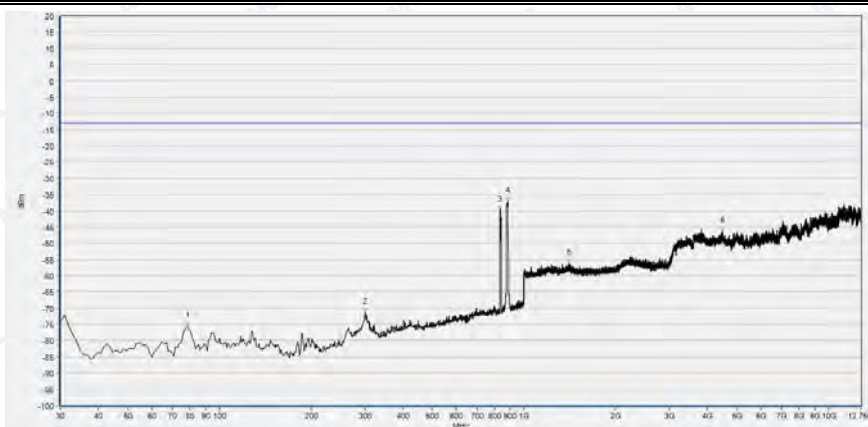
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	127.970	-77.09	-13.00	Horizontal	PASS
2	302.570	-71.59	-13.00	Horizontal	PASS
3	834.130	-30.30	-13.00	Horizontal	PASS
4	884.570	-28.51	-13.00	Horizontal	PASS
5	2254.902	-54.28	-13.00	Horizontal	PASS
6	5001.373	-46.85	-13.00	Horizontal	PASS



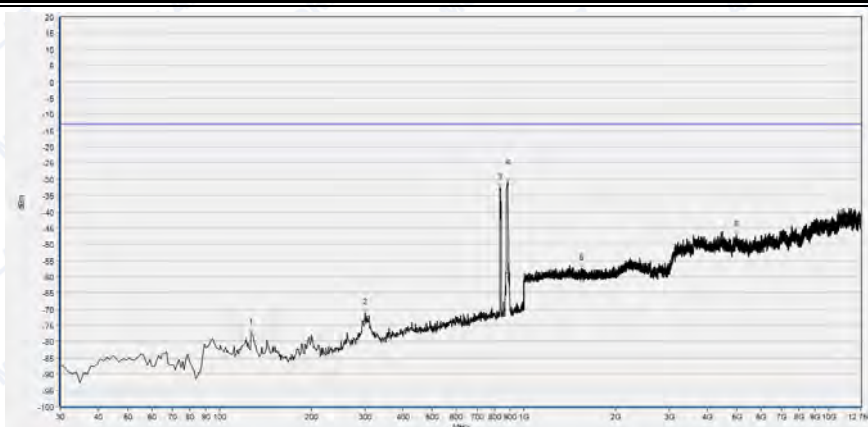
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	79.470	-76.26	-13.00	Vertical	PASS
2	302.570	-74.02	-13.00	Vertical	PASS
3	833.160	-52.66	-13.00	Vertical	PASS
4	879.720	-39.17	-13.00	Vertical	PASS
5	2150.540	-54.48	-13.00	Vertical	PASS
6	5200.718	-47.30	-13.00	Vertical	PASS



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



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	78.500	-75.55	-13.00	Horizontal	PASS
2	301.600	-71.38	-13.00	Horizontal	PASS
3	833.160	-39.82	-13.00	Horizontal	PASS
4	882.630	-37.27	-13.00	Horizontal	PASS
5	1400.800	-56.26	-13.00	Horizontal	PASS
6	4480.860	-46.34	-13.00	Horizontal	PASS

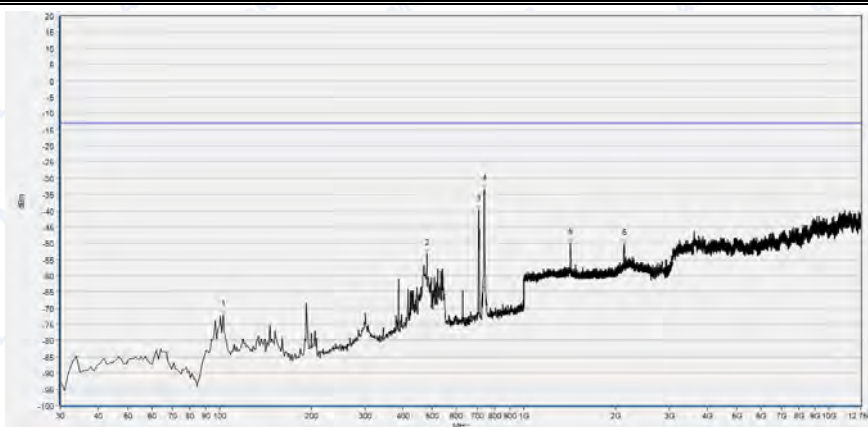


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	127.000	-77.38	-13.00	Vertical	PASS
2	300.630	-71.11	-13.00	Vertical	PASS
3	832.190	-32.44	-13.00	Vertical	PASS
4	884.570	-31.06	-13.00	Vertical	PASS
5	1541.016	-57.52	-13.00	Vertical	PASS
6	4971.840	-47.30	-13.00	Vertical	PASS

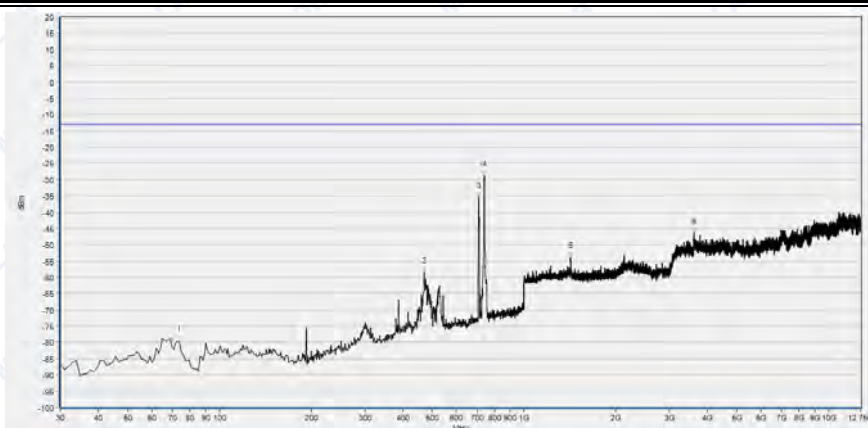




## LTE Band 17 5MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	102.750	-72.11	-13.00	Horizontal	PASS
2	480.080	-53.20	-13.00	Horizontal	PASS
3	708.030	-39.76	-13.00	Horizontal	PASS
4	741.010	-33.45	-13.00	Horizontal	PASS
5	1421.929	-50.03	-13.00	Horizontal	PASS
6	2134.534	-50.16	-13.00	Horizontal	PASS

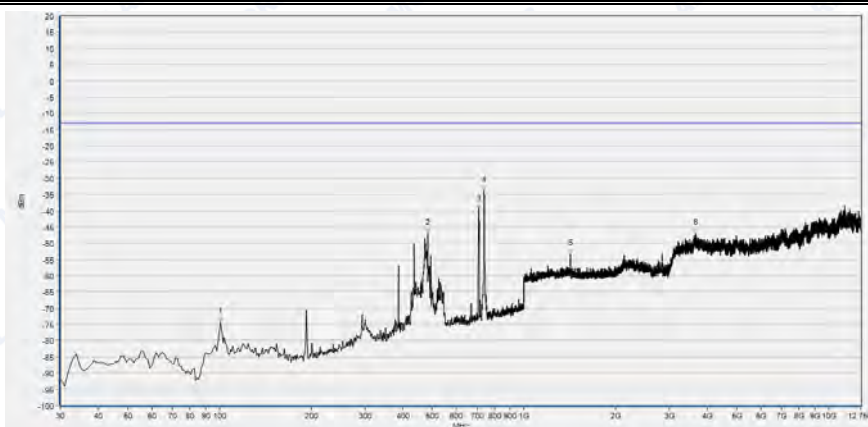


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	73.650	-79.32	-13.00	Vertical	PASS
2	469.410	-58.53	-13.00	Vertical	PASS
3	709.000	-35.50	-13.00	Vertical	PASS
4	741.980	-28.64	-13.00	Vertical	PASS
5	1421.929	-53.77	-13.00	Vertical	PASS
6	3607.801	-46.26	-13.00	Vertical	PASS

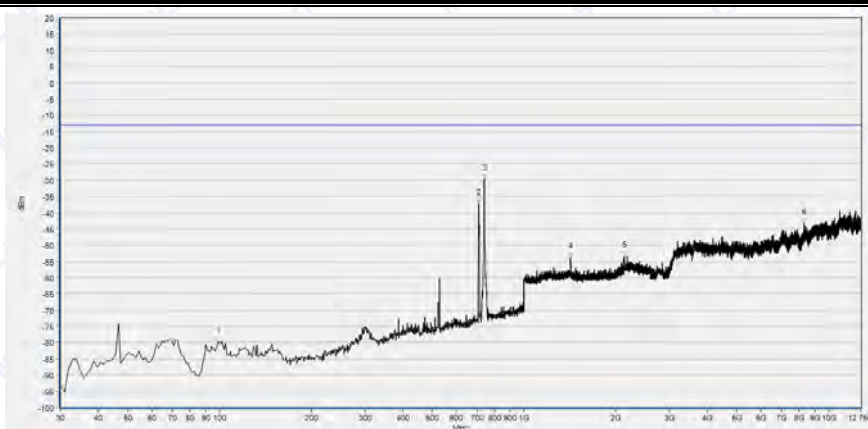


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## LTE Band 17 5MHz BW, Mid Channel, 16QAM



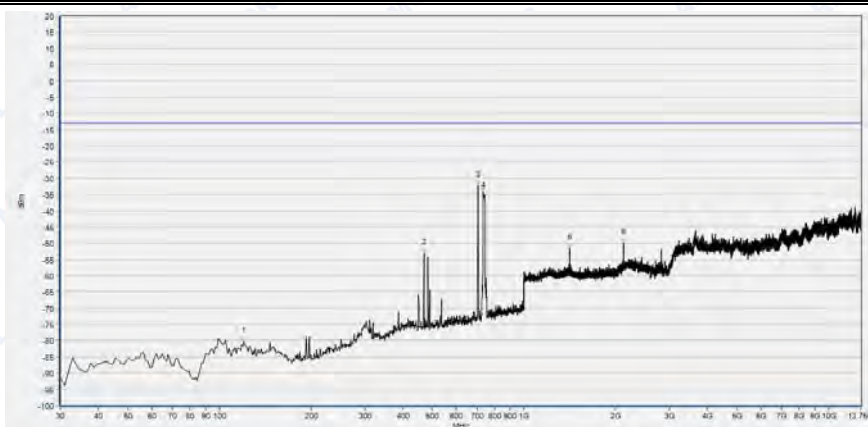
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.810	-74.39	-13.00	Horizontal	PASS
2	482.990	-47.11	-13.00	Horizontal	PASS
3	709.000	-39.70	-13.00	Horizontal	PASS
4	738.100	-33.83	-13.00	Horizontal	PASS
5	1420.008	-53.21	-13.00	Horizontal	PASS
6	3659.484	-47.00	-13.00	Horizontal	PASS



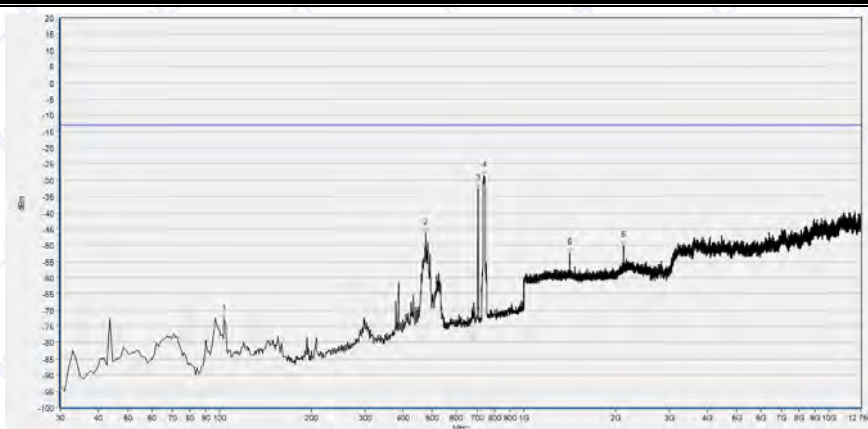
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	98.870	-79.76	-13.00	Vertical	PASS
2	708.030	-37.24	-13.00	Vertical	PASS
3	741.010	-29.51	-13.00	Vertical	PASS
4	1419.368	-53.77	-13.00	Vertical	PASS
5	2130.692	-53.33	-13.00	Vertical	PASS
6	8316.412	-43.25	-13.00	Vertical	PASS



## LTE Band 17 10MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	120.210	-80.26	-13.00	Horizontal	PASS
2	468.440	-52.99	-13.00	Horizontal	PASS
3	705.120	-32.36	-13.00	Horizontal	PASS
4	735.190	-34.36	-13.00	Horizontal	PASS
5	1411.044	-51.54	-13.00	Horizontal	PASS
6	2117.247	-50.04	-13.00	Horizontal	PASS

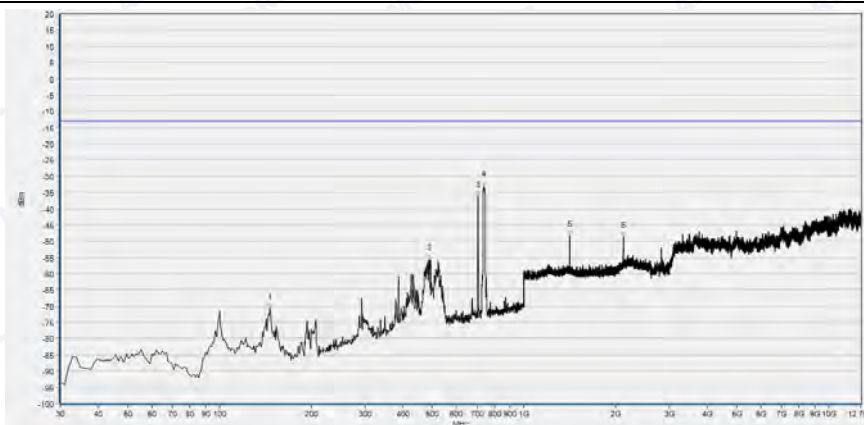


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.720	-72.67	-13.00	Vertical	PASS
2	475.230	-46.29	-13.00	Vertical	PASS
3	705.120	-32.53	-13.00	Vertical	PASS
4	741.010	-28.69	-13.00	Vertical	PASS
5	1412.965	-52.45	-13.00	Vertical	PASS
6	2117.247	-50.26	-13.00	Vertical	PASS

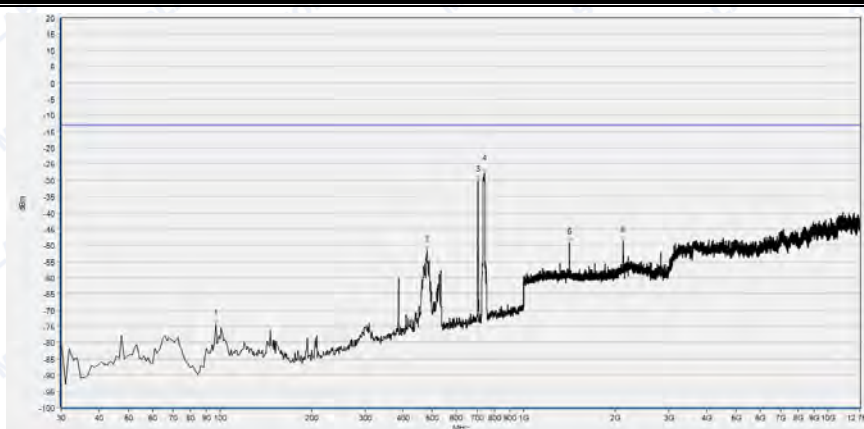




## LTE Band 17 10MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	146.400	-70.63	-13.00	Horizontal	PASS
2	487.840	-55.47	-13.00	Horizontal	PASS
3	705.120	-36.08	-13.00	Horizontal	PASS
4	738.100	-33.16	-13.00	Horizontal	PASS
5	1411.044	-48.16	-13.00	Horizontal	PASS
6	2116.607	-48.66	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	96.930	-74.41	-13.00	Vertical	PASS
2	480.080	-51.55	-13.00	Vertical	PASS
3	705.120	-30.00	-13.00	Vertical	PASS
4	740.040	-27.93	-13.00	Vertical	PASS
5	1412.965	-55.35	-13.00	Vertical	PASS
6	2117.247	-51.92	-13.00	Vertical	PASS

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