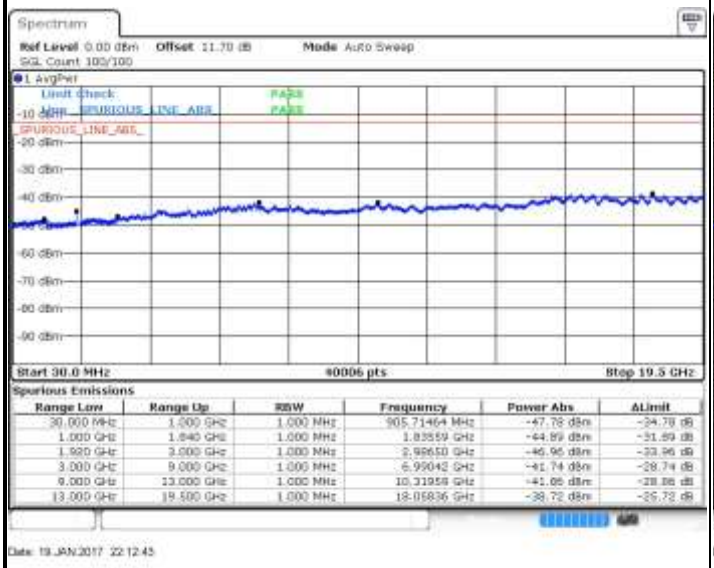
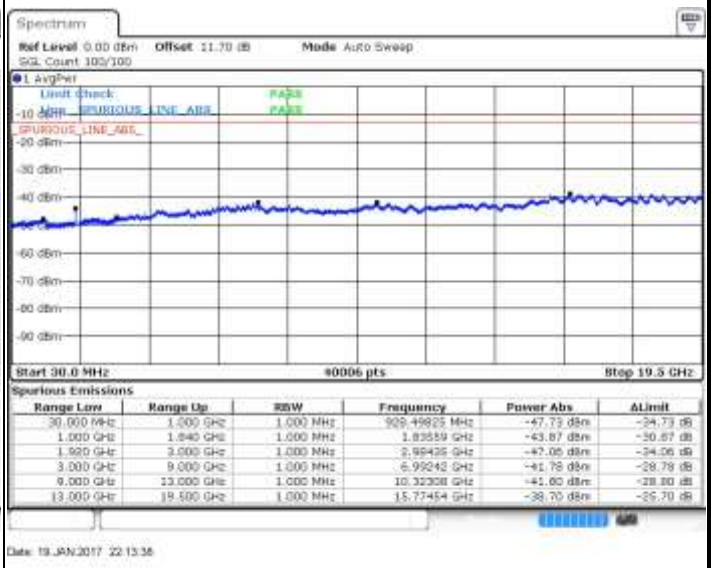
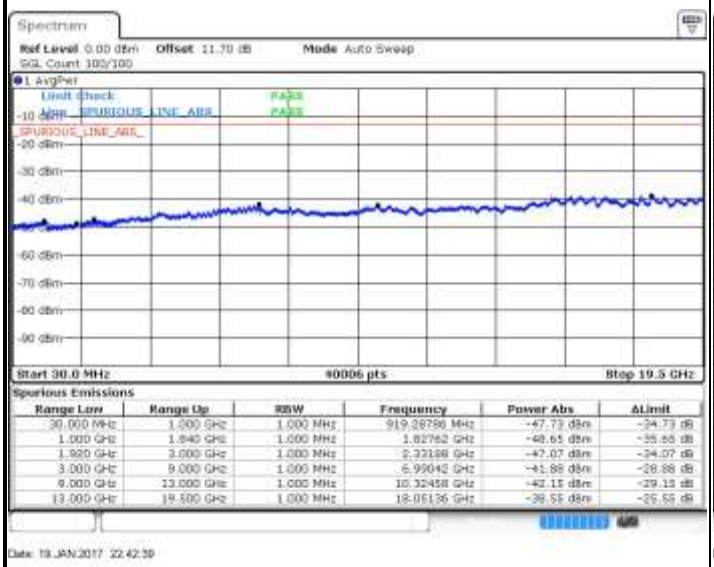
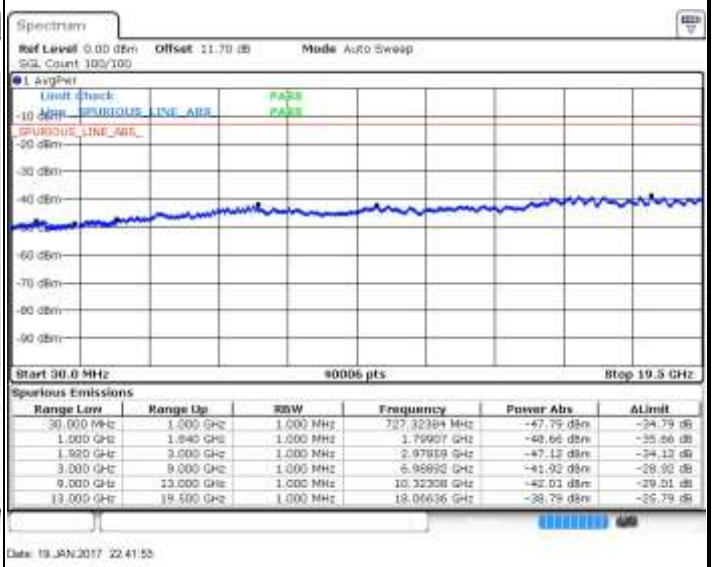
LTE Band 2 / 20MHz	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. N ormal Voltage =3.7 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.2 V.

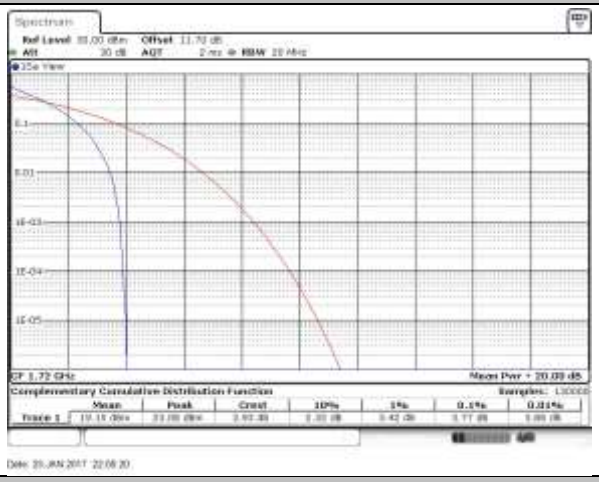
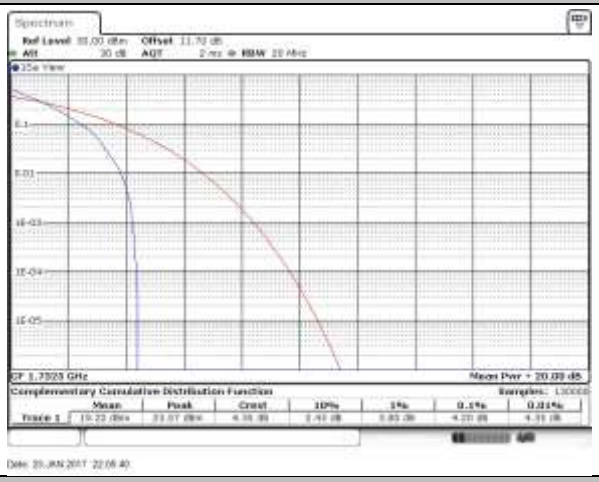
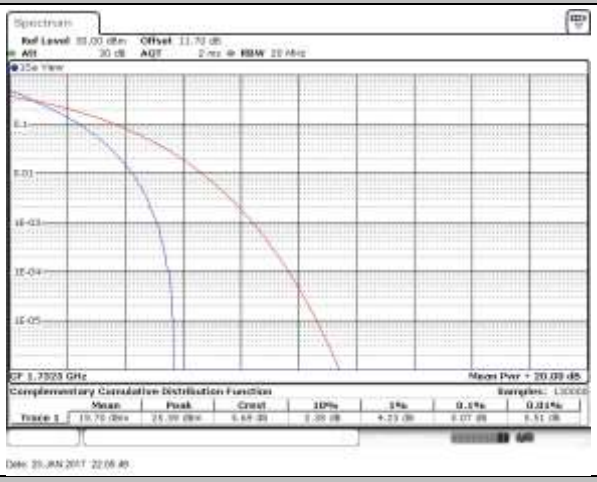
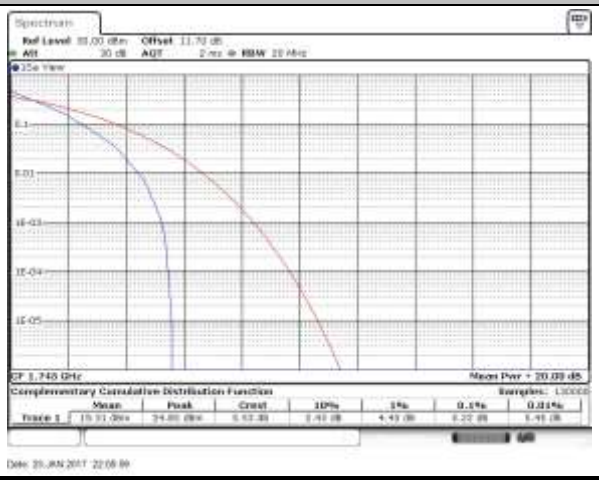
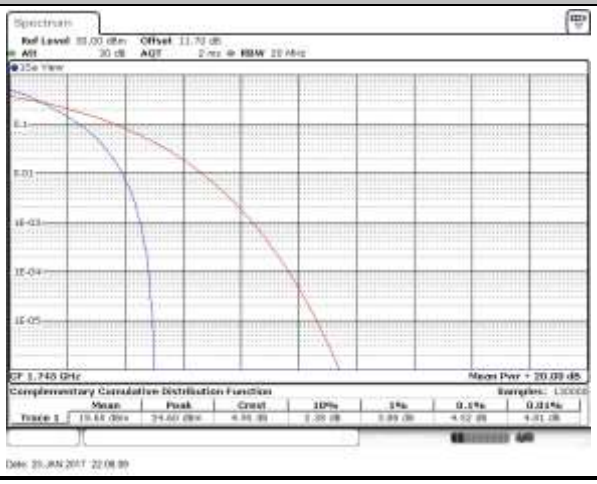
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

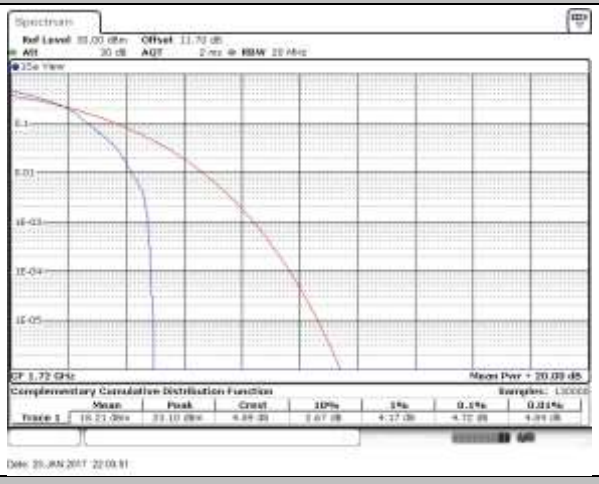
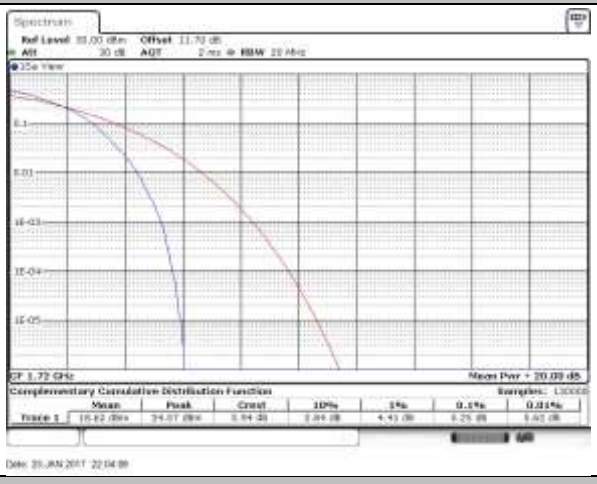
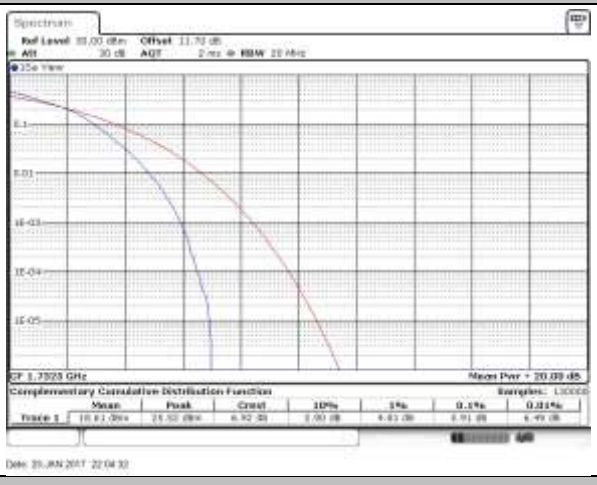
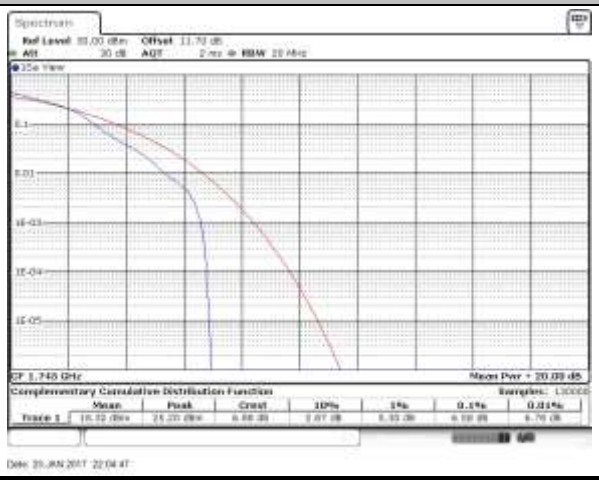
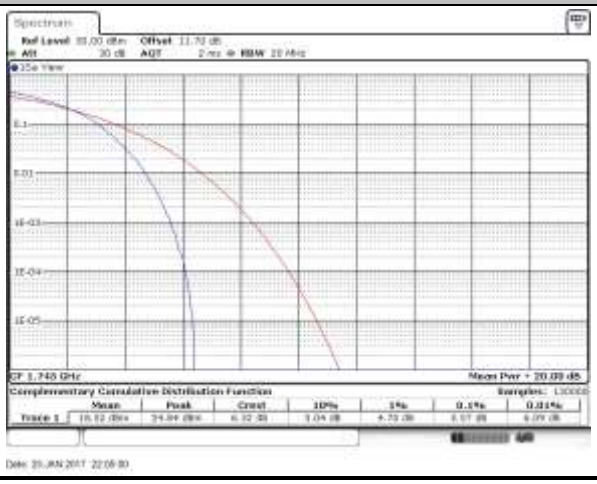
LTE Band 4

<Ant. 2>

Peak-to-Average Ratio

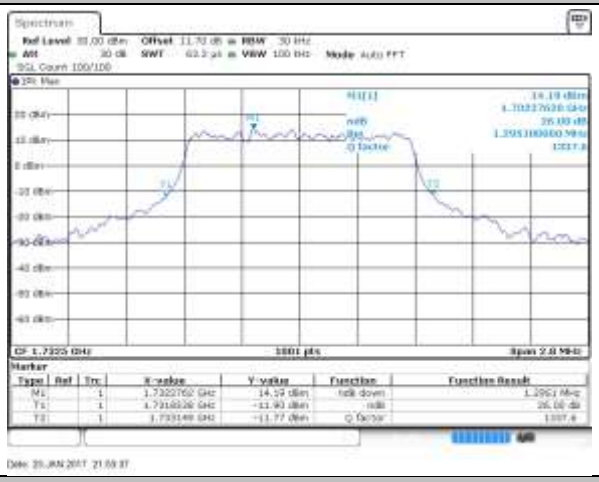
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.77	4.29	4.72	5.25	PASS
Middle CH	4.2	5.07	5.13	5.91	
Highest CH	5.22	4.52	6.58	5.57	

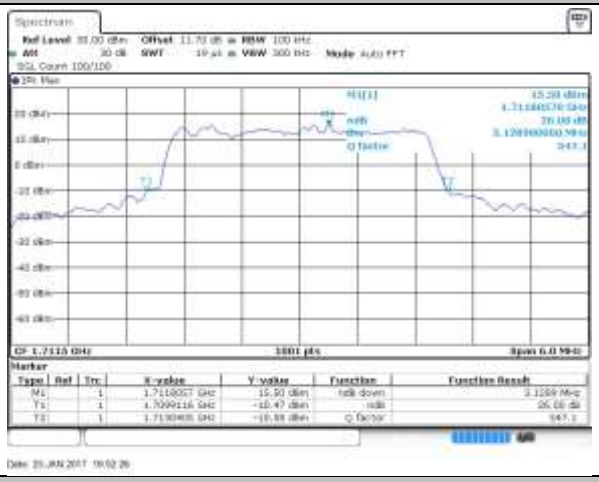
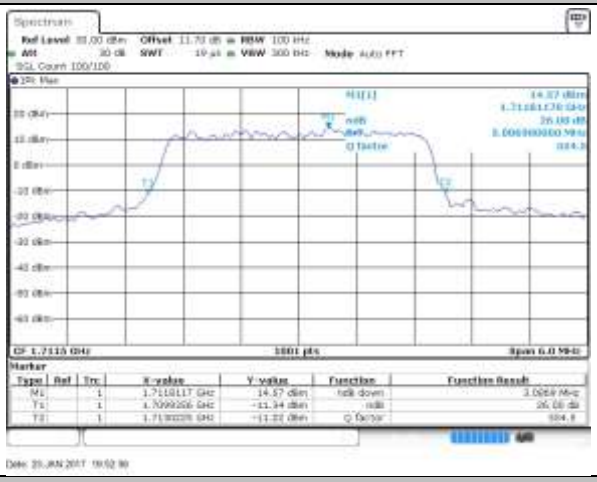
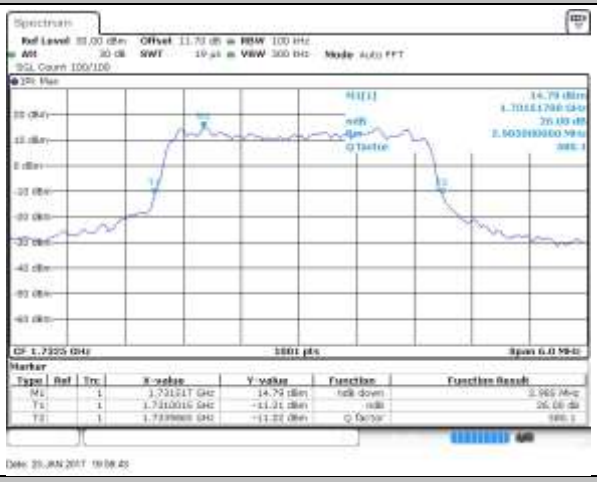
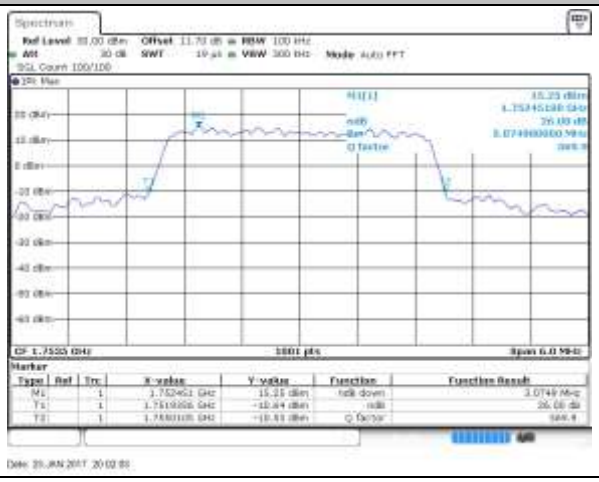
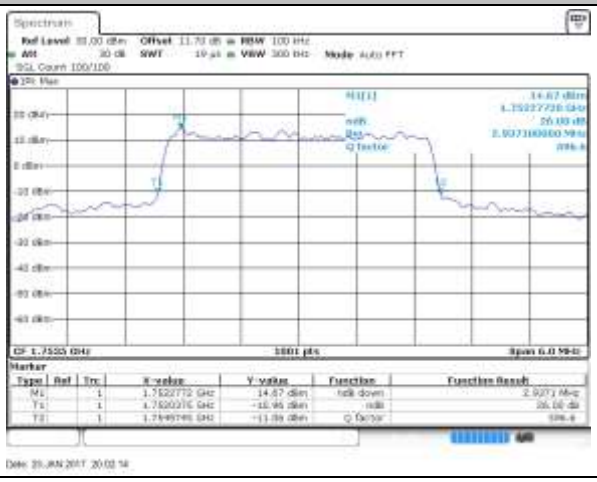
LTE Band 4 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

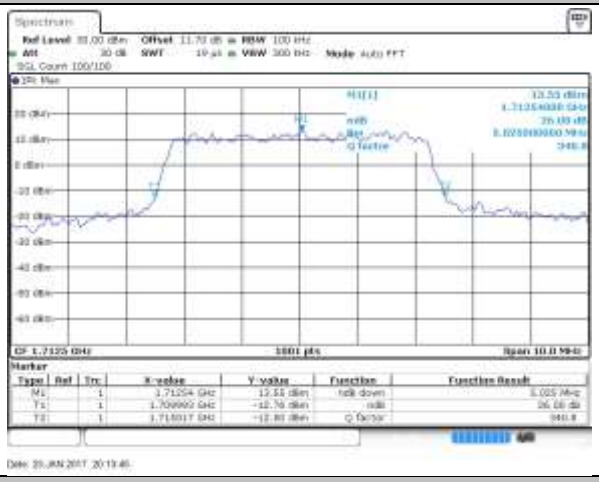
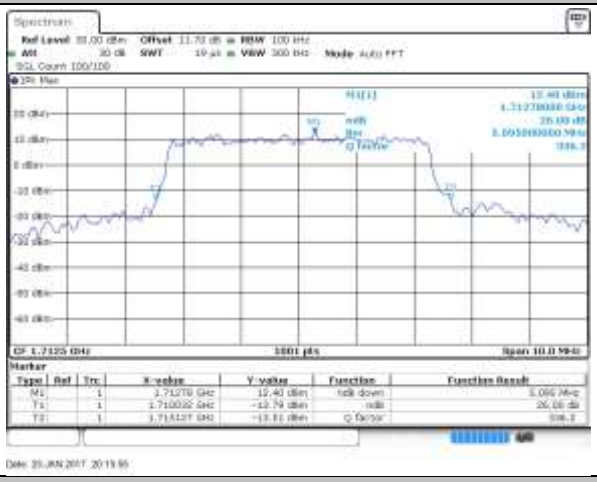
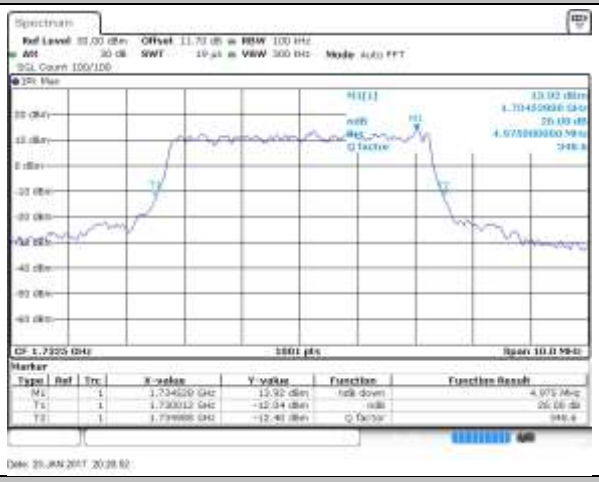
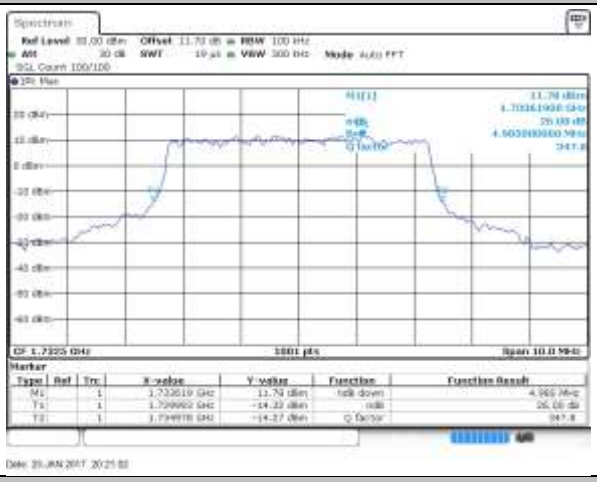
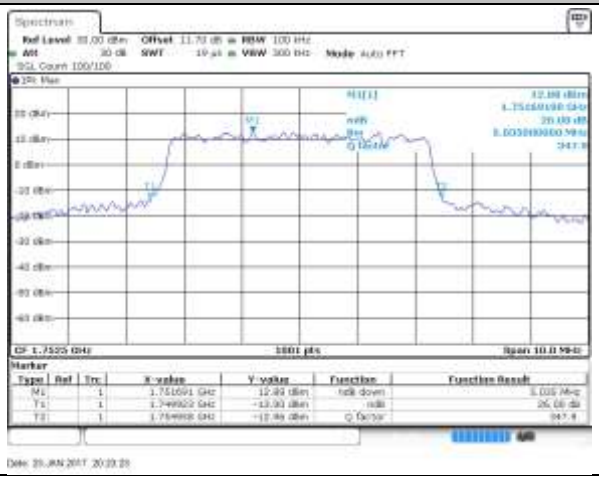
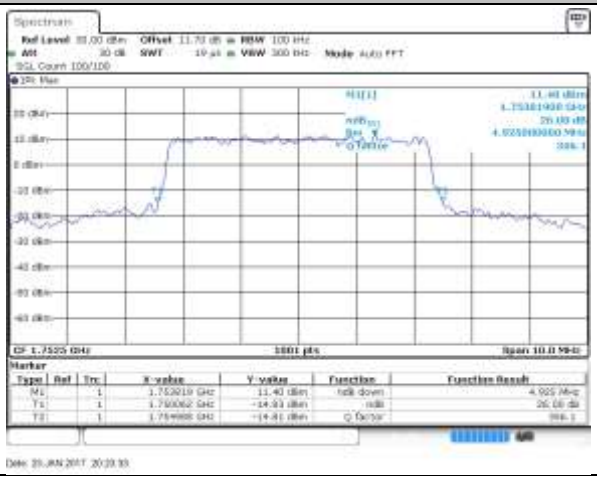
LTE Band 4 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

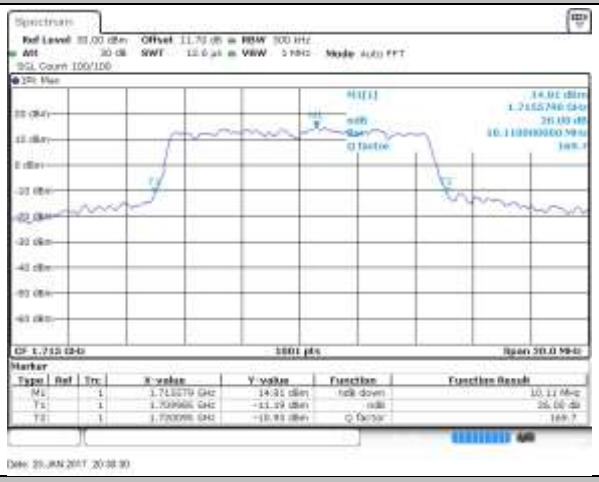
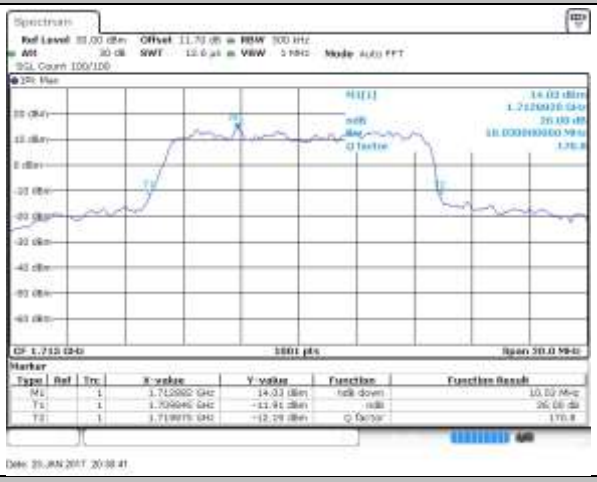
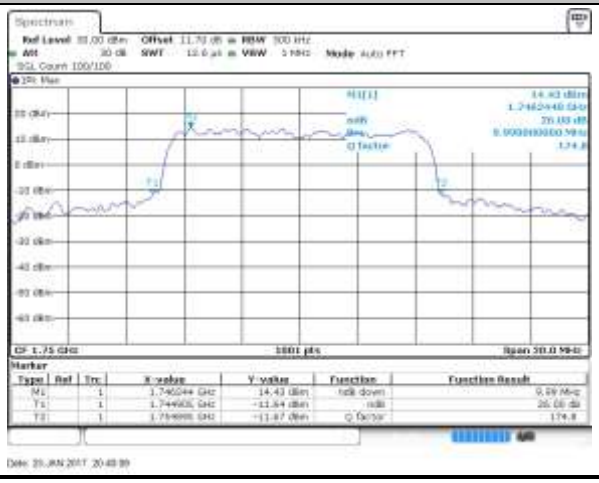
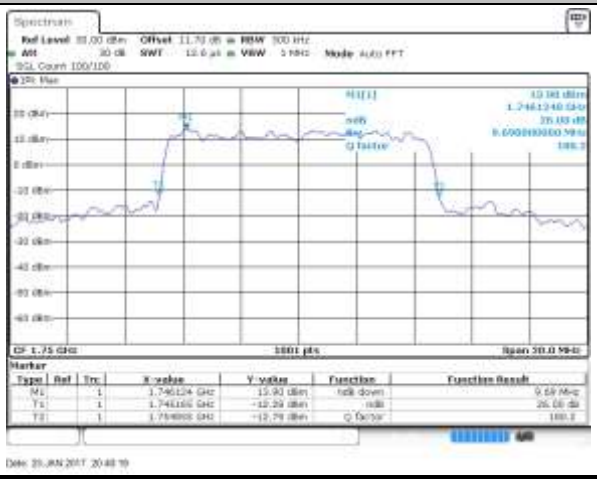
26dB Bandwidth

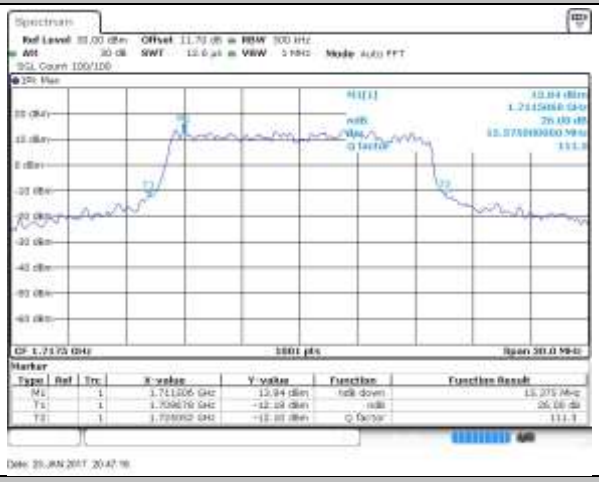
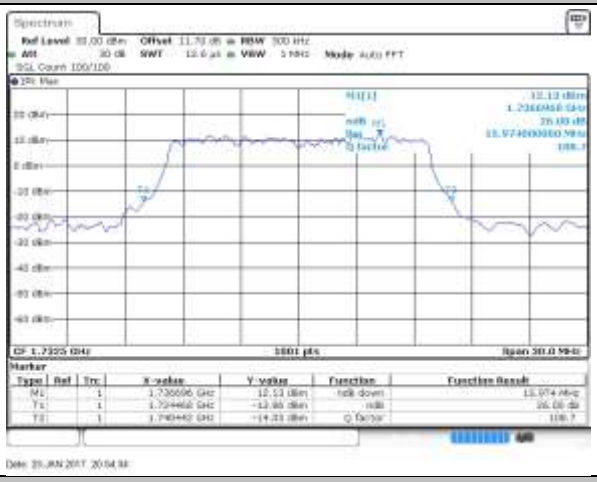
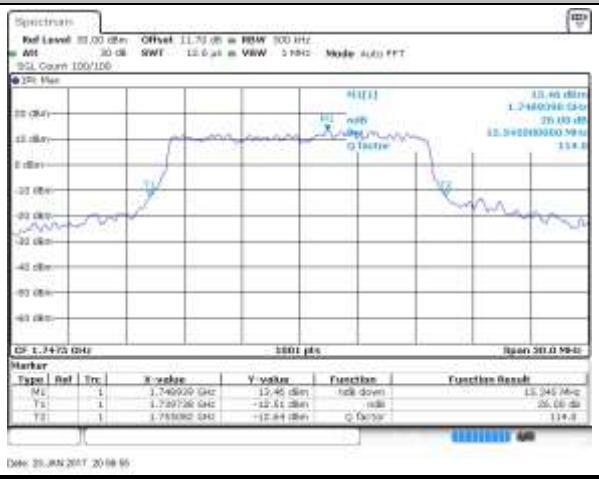
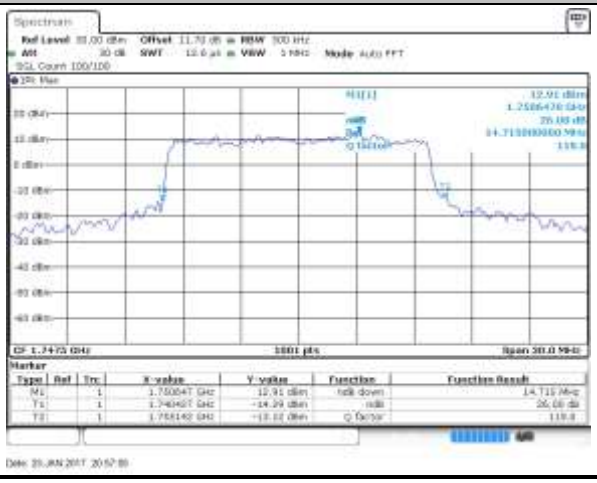
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.29	1.38	3.13	3.09	5.03	5.10	10.11	10.03	15.38	14.57	20.42	20.38
Middle CH	1.30	1.29	2.92	2.99	4.98	4.99	9.81	10.37	14.57	15.97	20.38	20.18
Highest CH	1.34	1.42	3.08	2.94	5.04	4.93	9.99	9.69	15.35	14.72	20.18	20.26

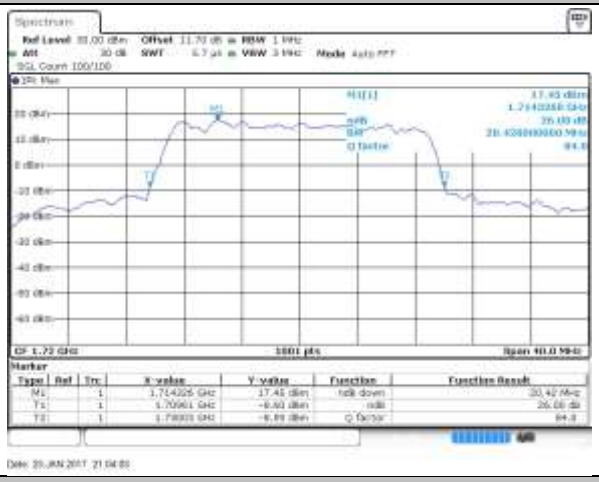
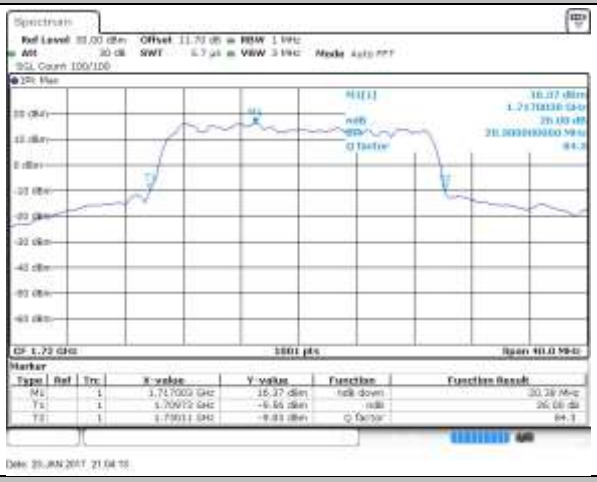
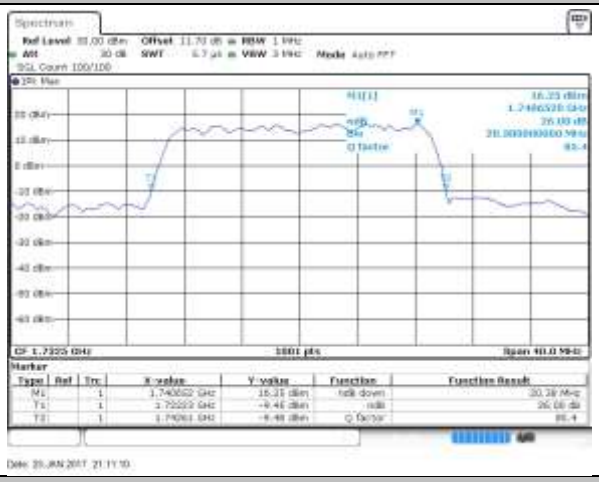
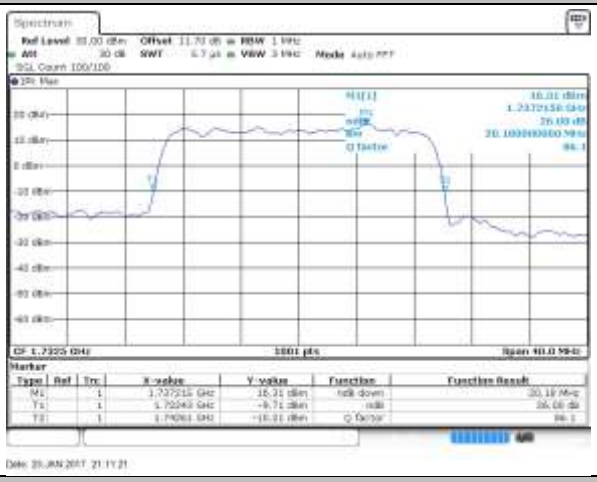
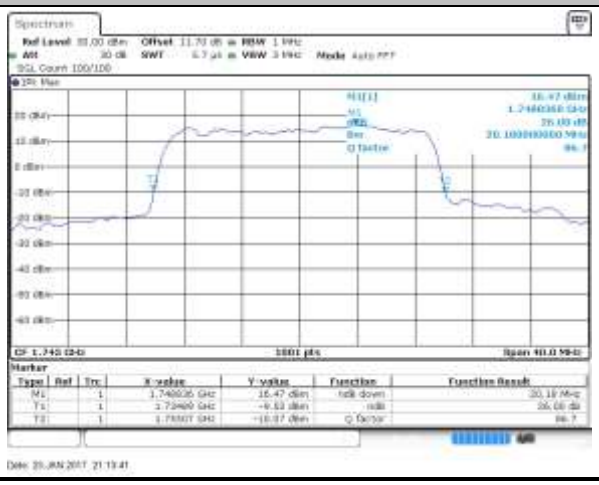
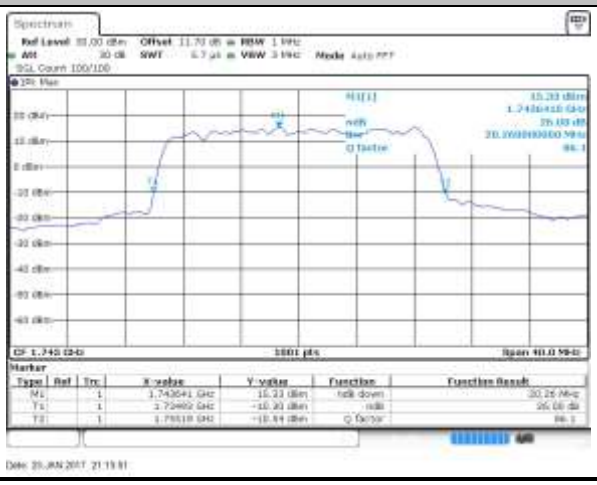
LTE Band 4	
Lowest Channel / 1.4MHz / QPSK	**Lowest Channel / 1.4MHz / 16QAM**
	
Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
	
Highest Channel / 1.4MHz / QPSK	**Highest Channel / 1.4MHz / 16QAM**
	

LTE Band 4	
Lowest Channel / 3MHz / QPSK	**Lowest Channel / 3MHz / 16QAM**
	
Middle Channel / 3MHz / QPSK	**Middle Channel /3MHz / 16QAM**
	
Highest Channel /3MHz / QPSK	**Highest Channel /3MHz / 16QAM**
	

LTE Band 4	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
	

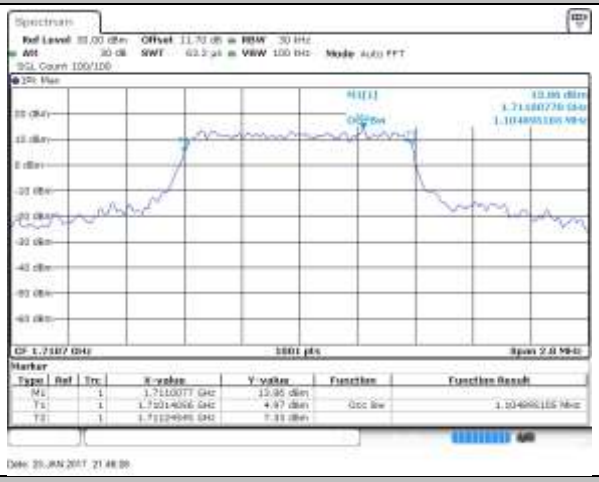
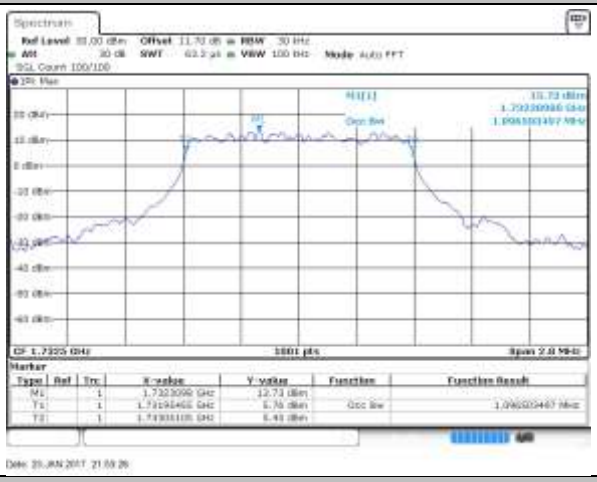
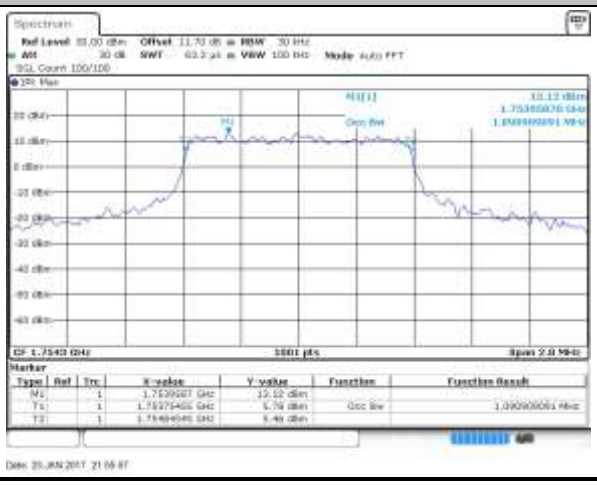
LTE Band 4	
Lowest Channel / 10MHz / QPSK	**Lowest Channel / 10MHz / 16QAM**
	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Highest Channel / 10MHz / QPSK	**Highest Channel / 10MHz / 16QAM**
	

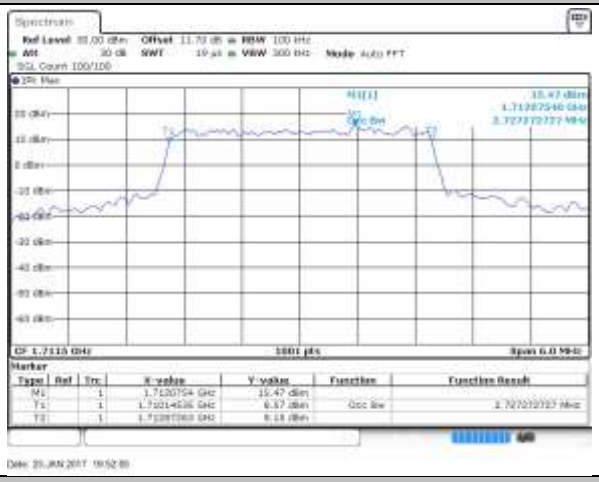
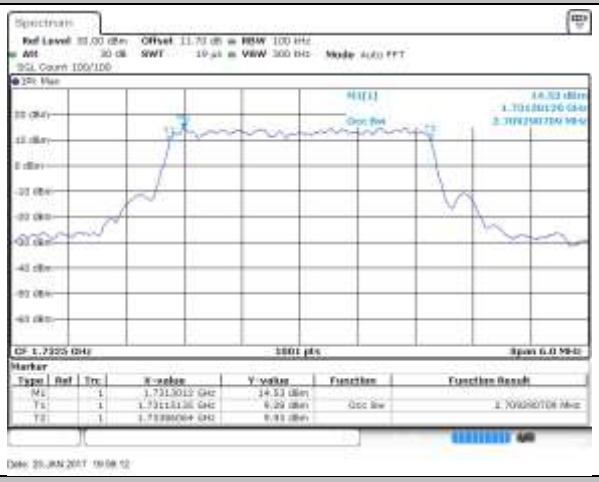
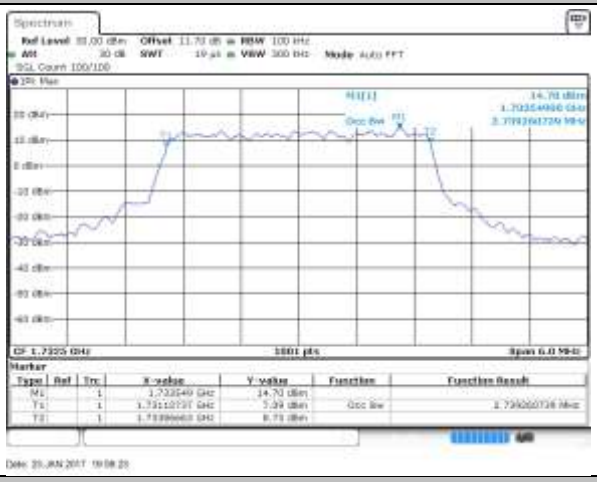
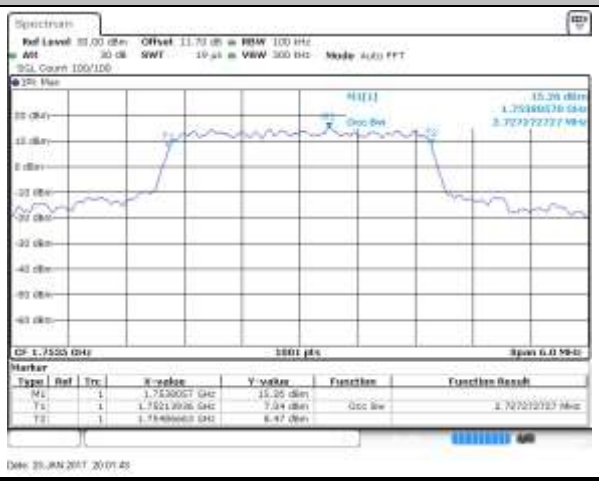
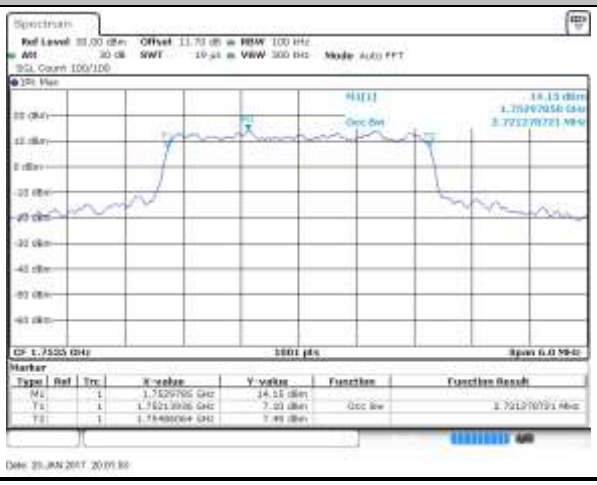
LTE Band 4	
Lowest Channel / 15MHz / QPSK	**Lowest Channel / 15MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Highest Channel / 15MHz / QPSK	**Highest Channel / 15MHz / 16QAM**
	

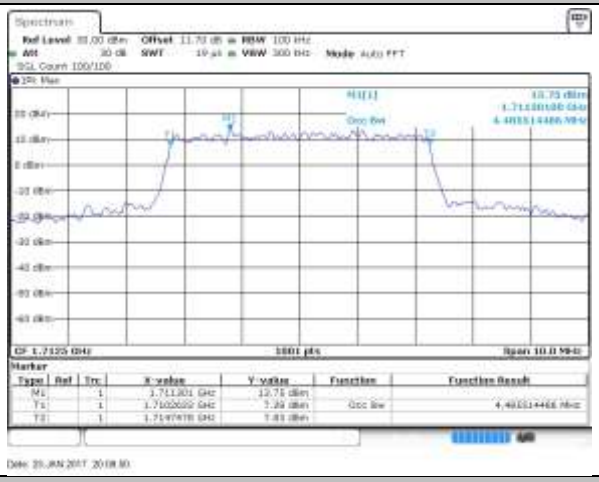
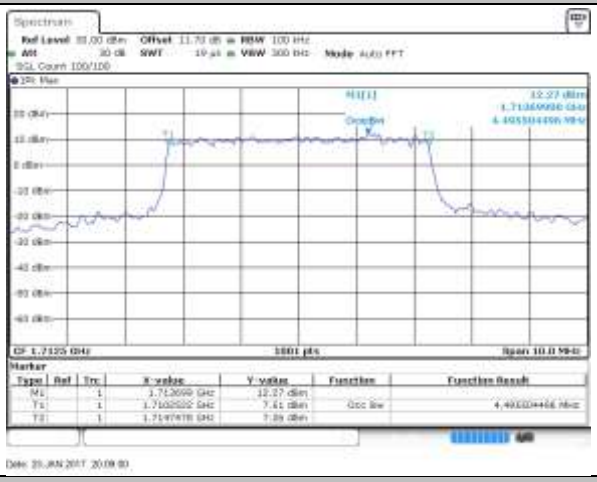
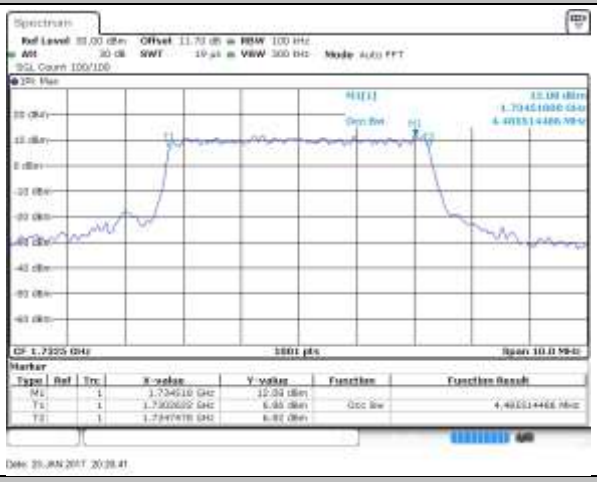
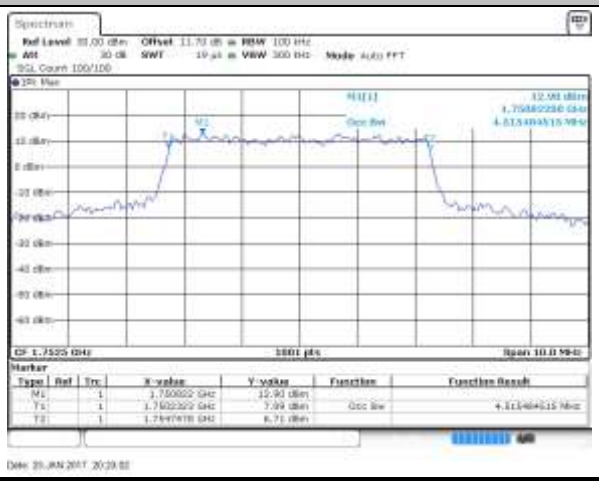
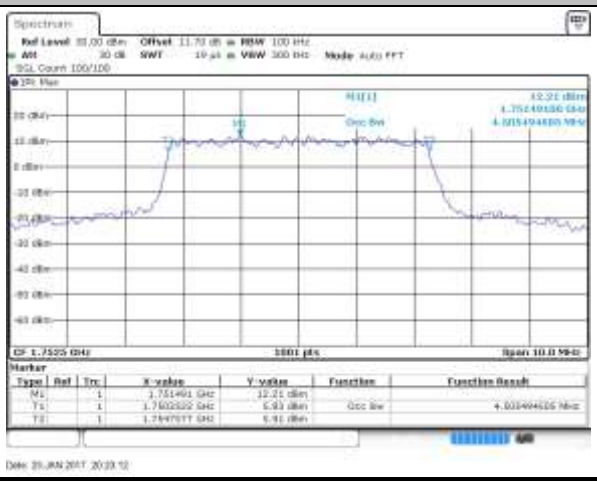
LTE Band 4	
Lowest Channel / 20MHz / QPSK	**Lowest Channel / 20MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	
Highest Channel / 20MHz / QPSK	**Highest Channel / 20MHz / 16QAM**
	

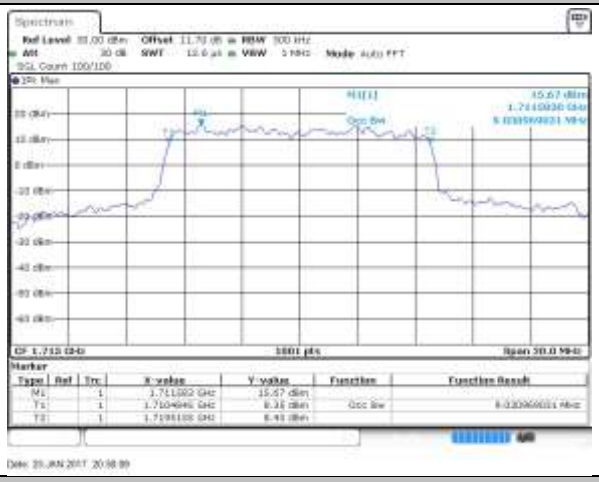
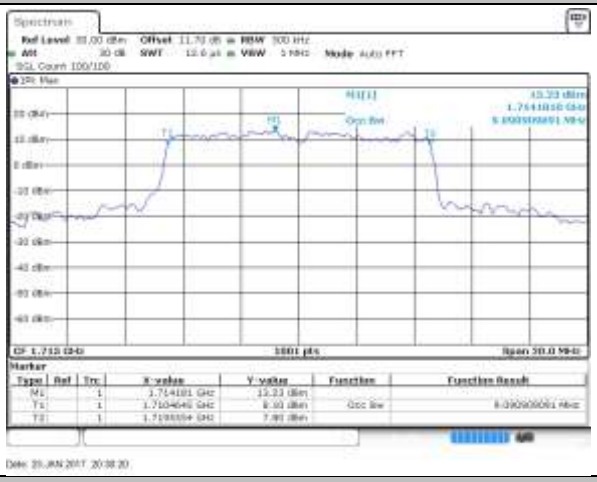
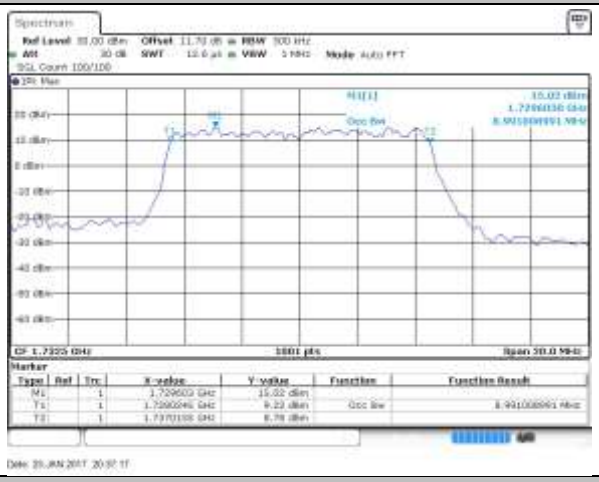
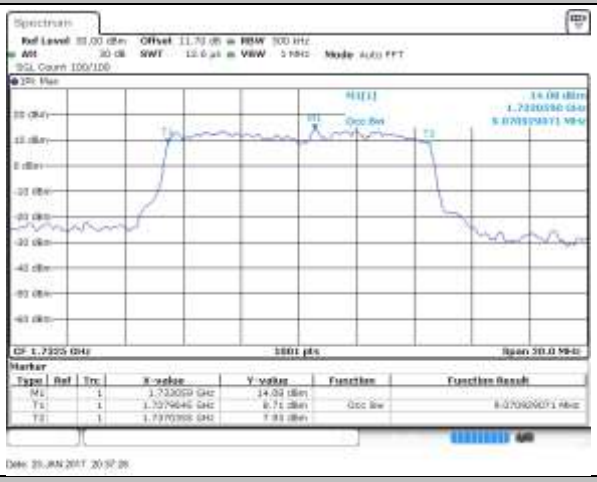
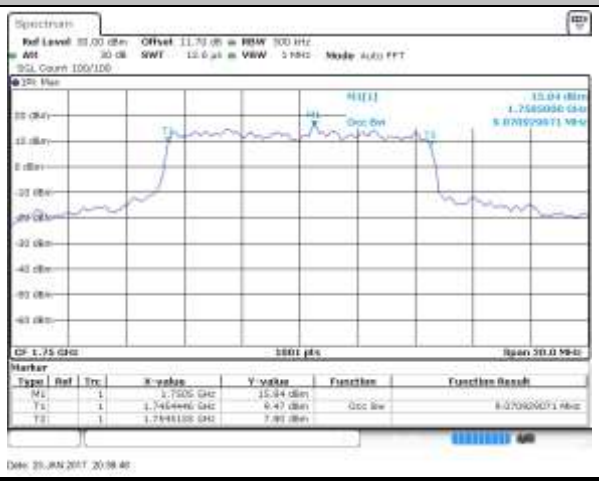
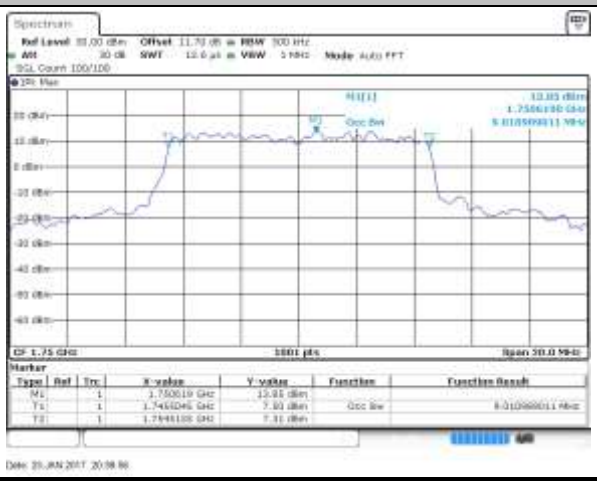
Occupied Bandwidth

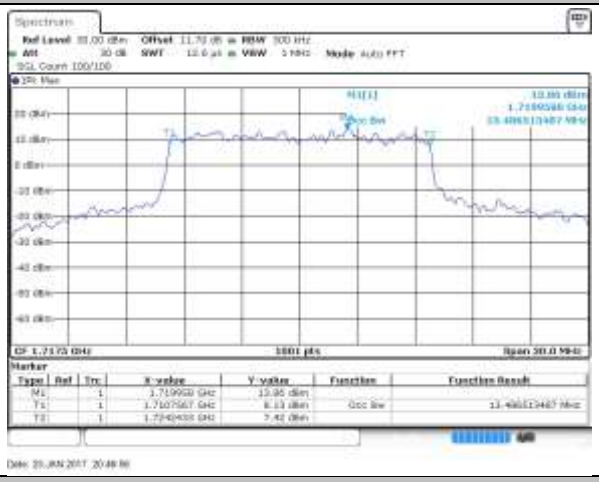
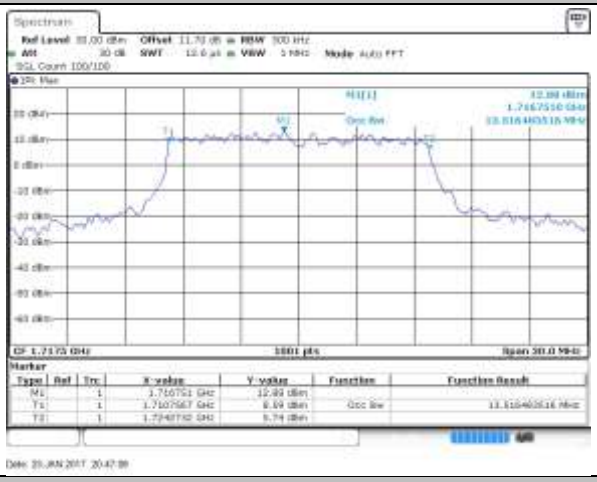
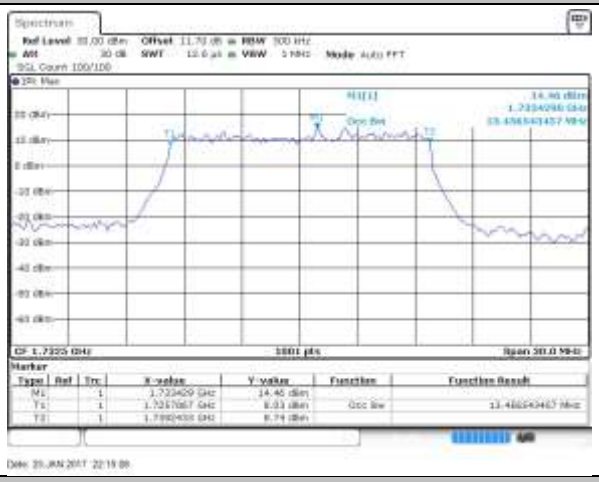
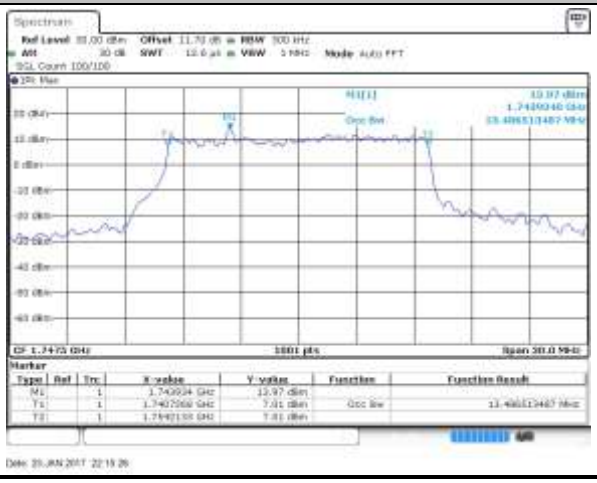
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.11	2.73	2.75	4.49	4.5	9.03	9.09	13.49	13.52	18.5	18.54
Middle CH	1.09	1.1	2.71	2.74	4.51	4.49	8.99	9.07	13.46	13.55	18.42	18.54
Highest CH	1.1	1.09	2.73	2.72	4.52	4.51	9.07	9.01	13.49	13.49	18.42	18.3

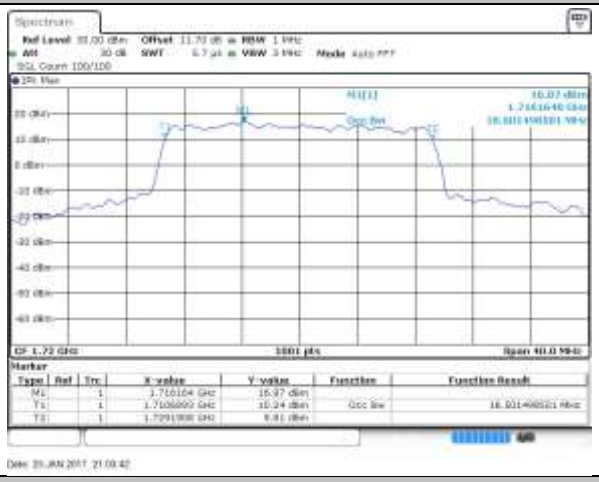
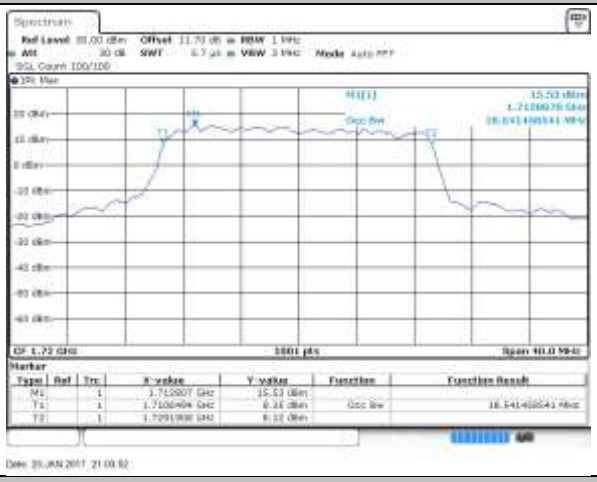
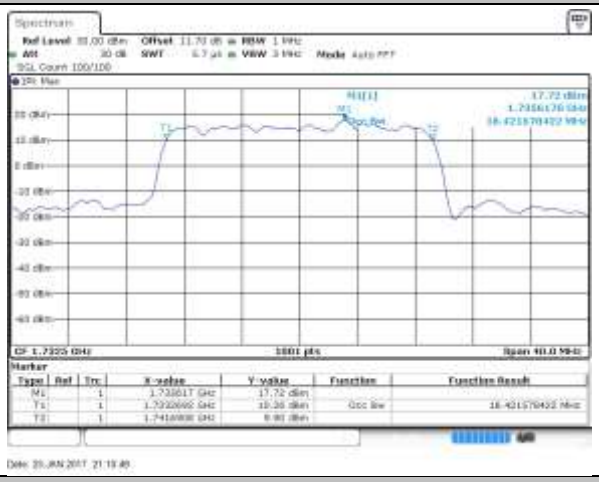
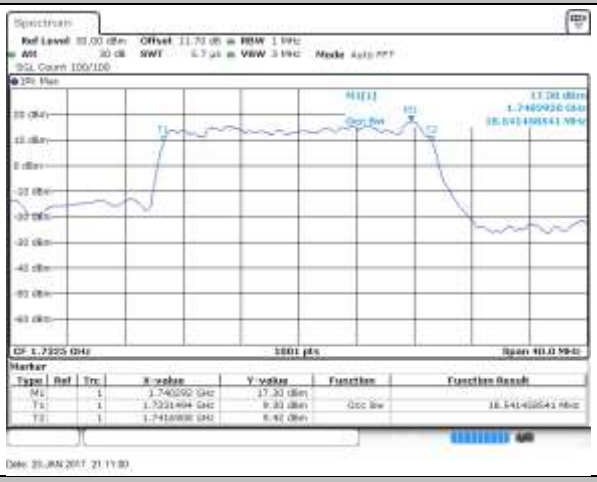
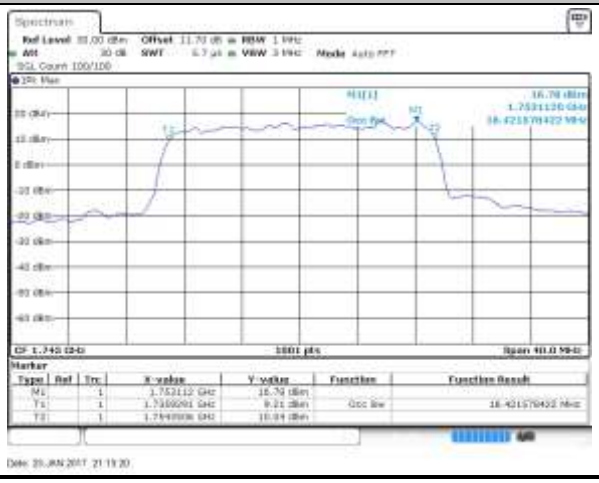
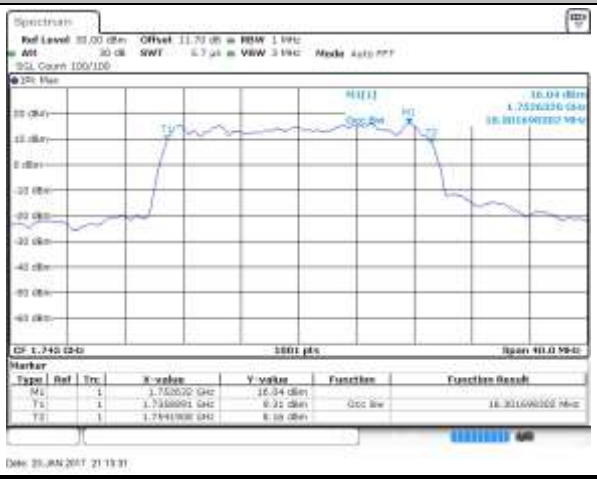
LTE Band 4	
Lowest Channel / 1.4MHz / QPSK	**Lowest Channel / 1.4MHz / 16QAM**
	
Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
	
Highest Channel / 1.4MHz / QPSK	**Highest Channel / 1.4MHz / 16QAM**
	

LTE Band 4	
Lowest Channel / 3MHz / QPSK	**Lowest Channel / 3MHz / 16QAM**
	
Middle Channel / 3MHz / QPSK	**Middle Channel / 3MHz / 16QAM**
	
Highest Channel / 3MHz / QPSK	**Highest Channel / 3MHz / 16QAM**
	

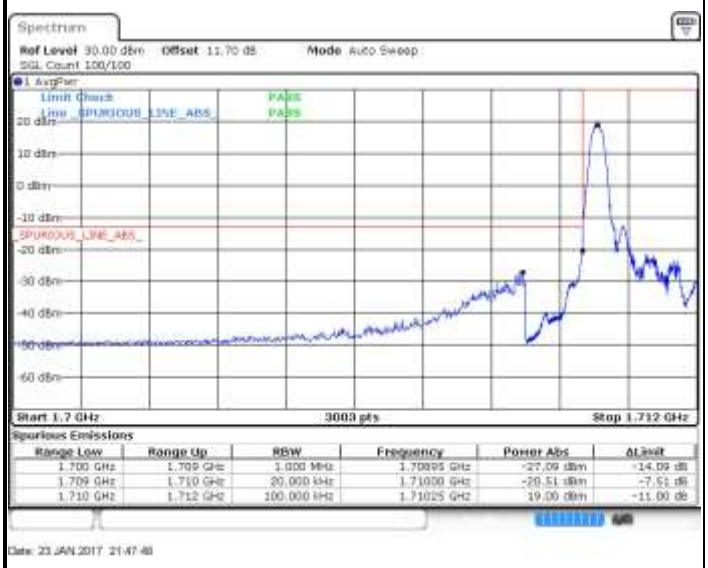
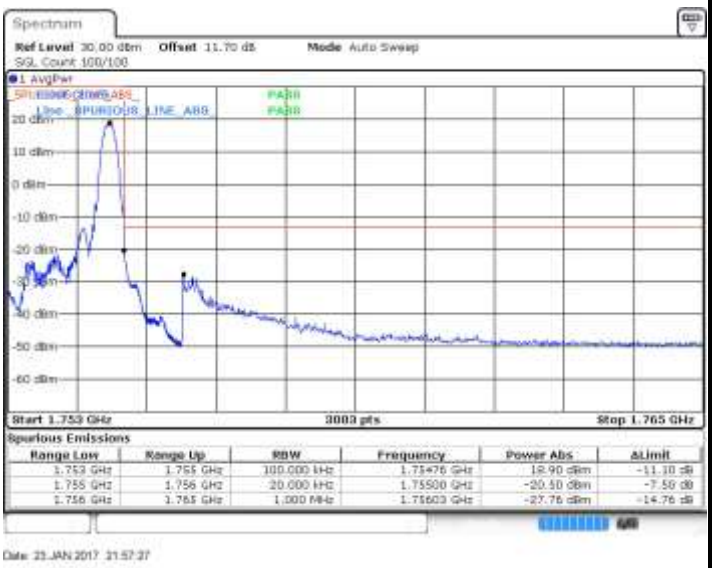
LTE Band 4	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
	

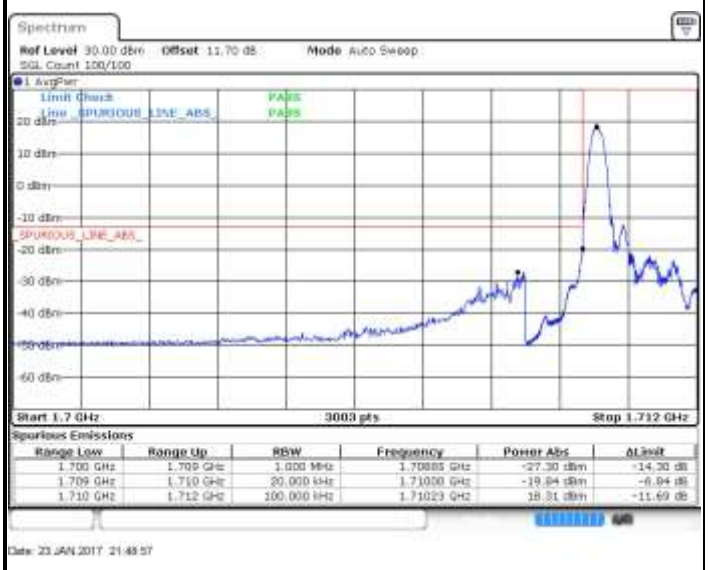
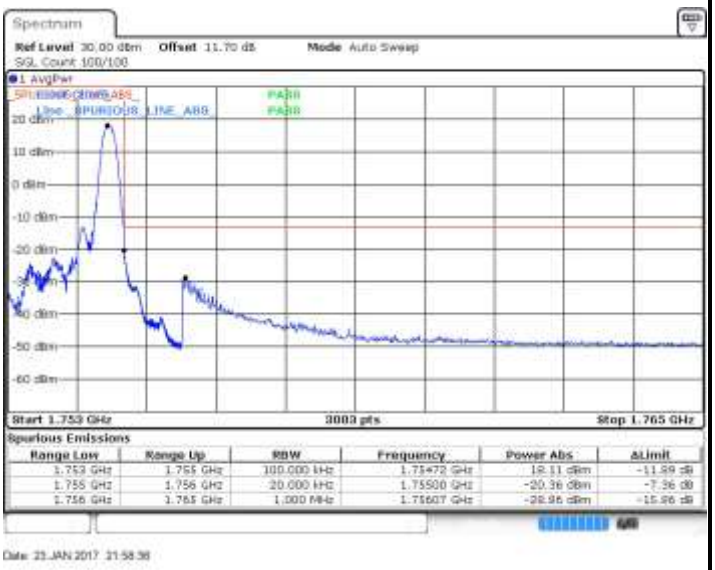
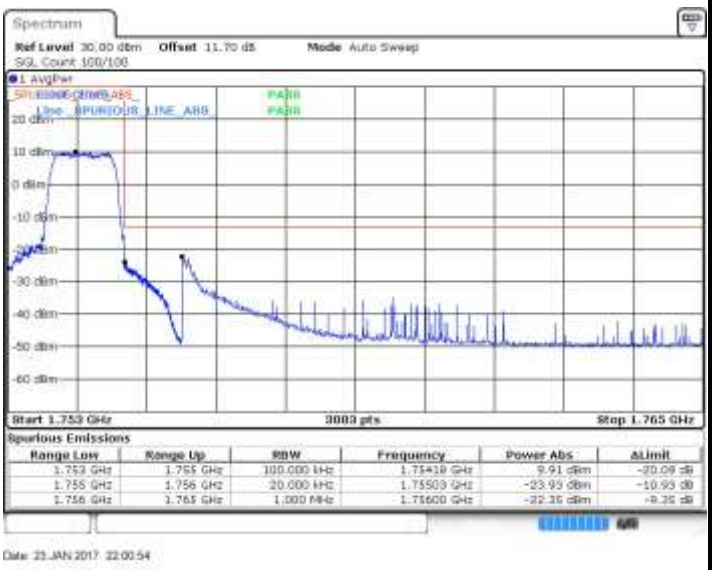
LTE Band 4	
Lowest Channel / 10MHz / QPSK	**Lowest Channel / 10MHz / 16QAM**
	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Highest Channel / 10MHz / QPSK	**Highest Channel / 10MHz / 16QAM**
	

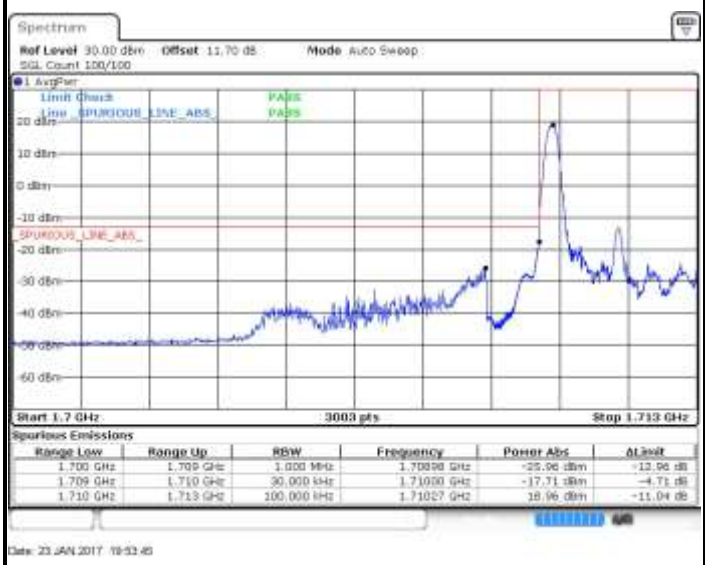
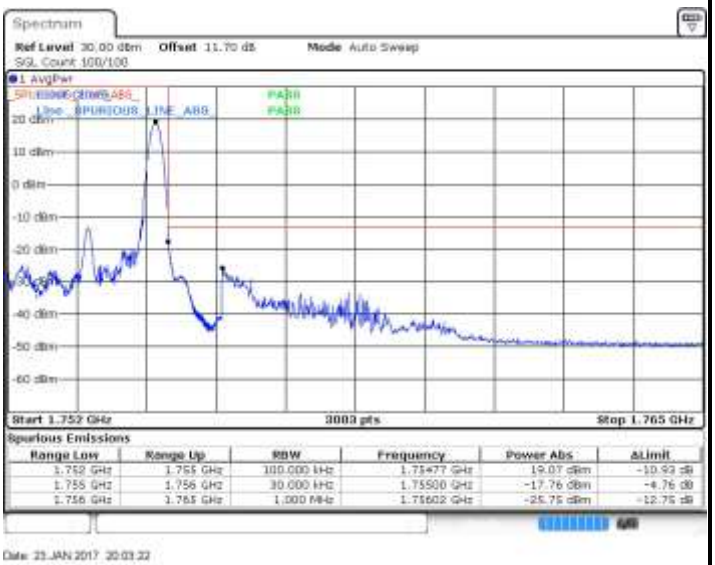
LTE Band 4	
Lowest Channel / 15MHz / QPSK	**Lowest Channel / 15MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Highest Channel / 15MHz / QPSK	**Highest Channel / 15MHz / 16QAM**
	

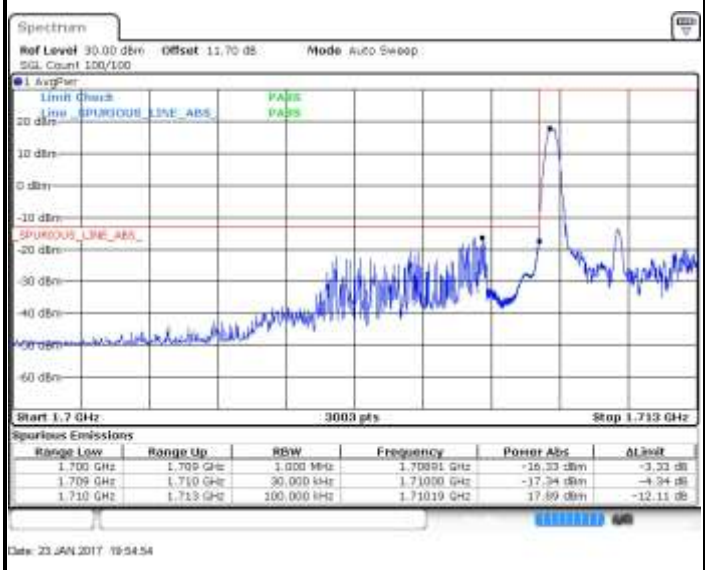
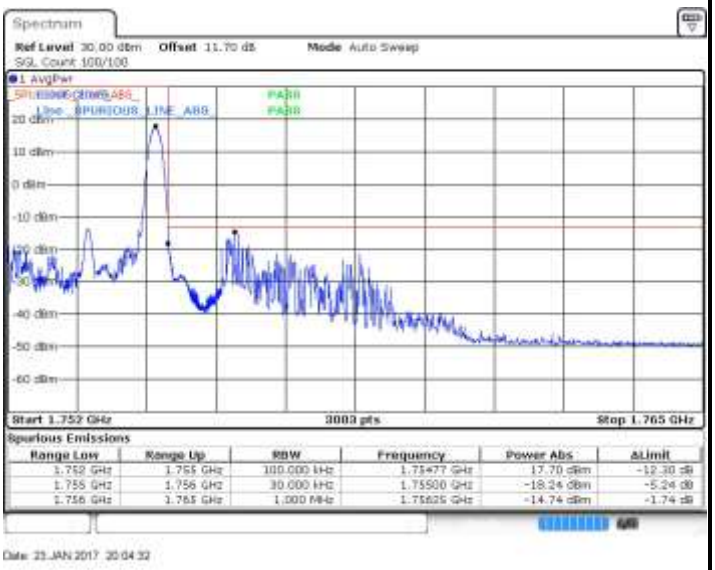
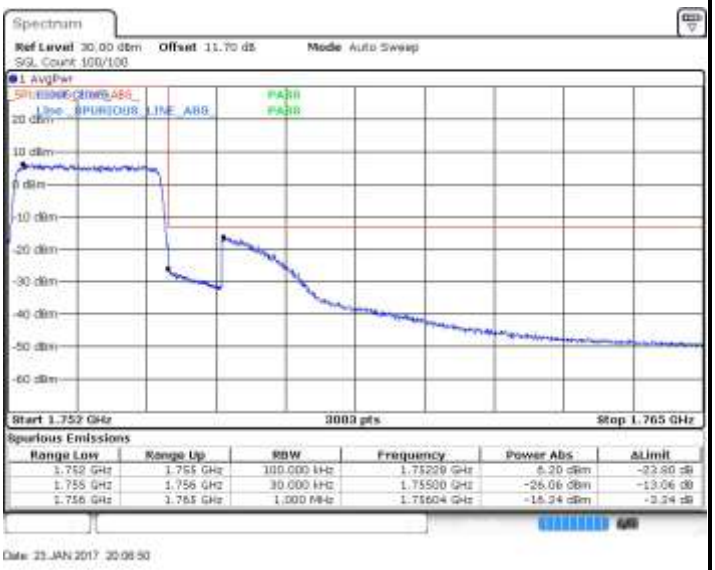
LTE Band 4	
Lowest Channel / 20MHz / QPSK	**Lowest Channel / 20MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	
Highest Channel / 20MHz / QPSK	**Highest Channel / 20MHz / 16QAM**
	

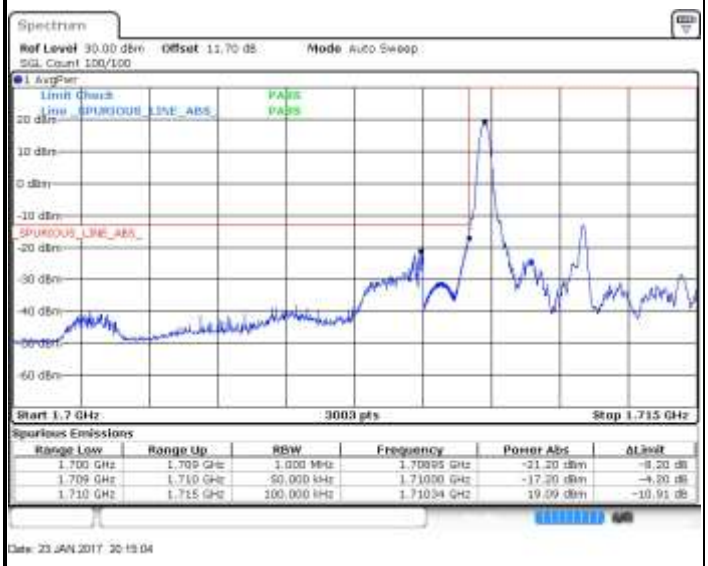
Conducted Band Edge

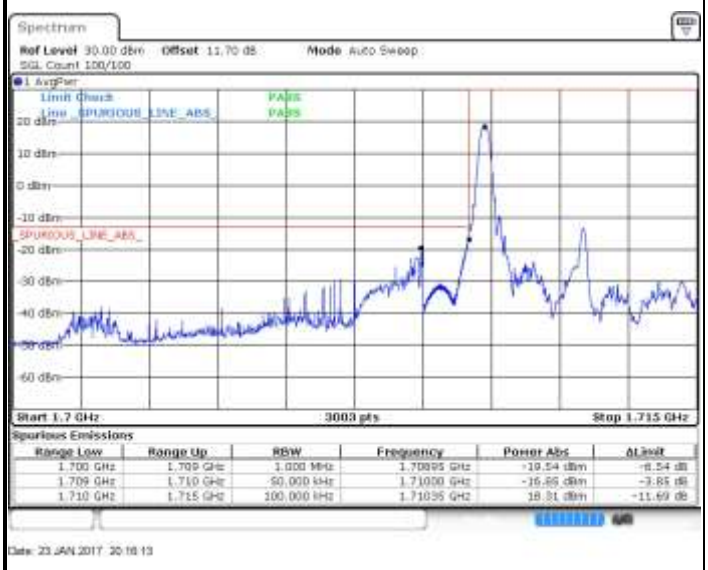
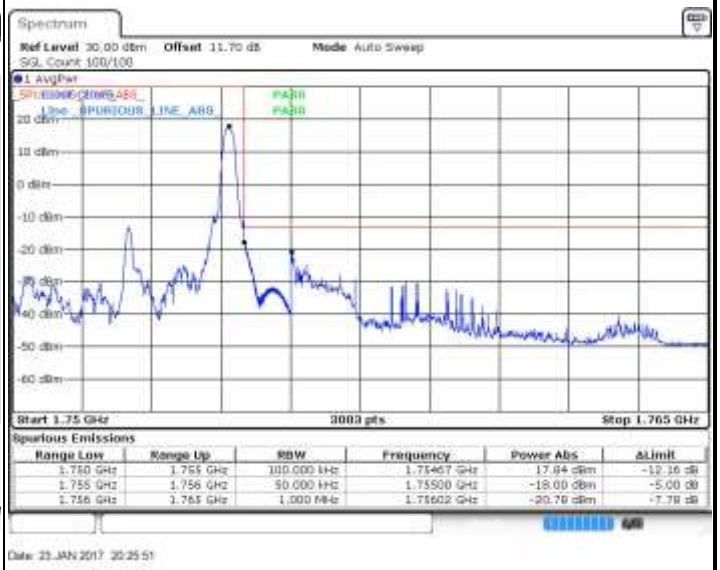
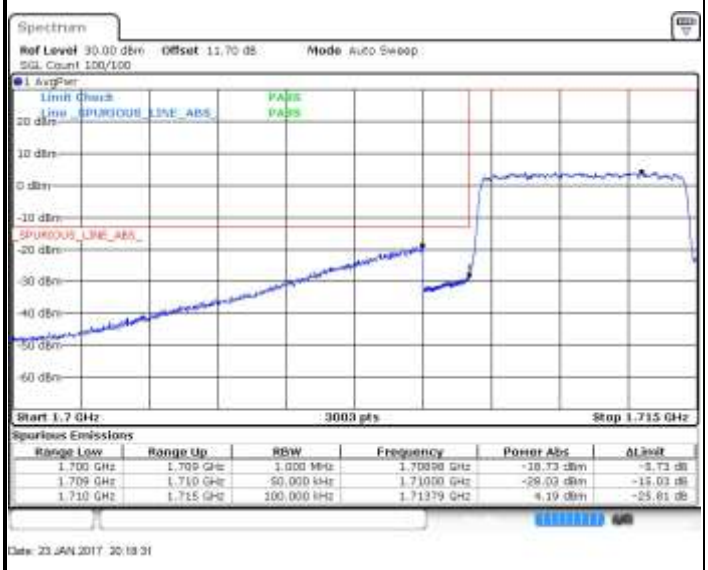
LTE Band 4 / 1.4MHz / QPSK	
Lowest Band Edge / 1RB	**Highest Band Edge / 1RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

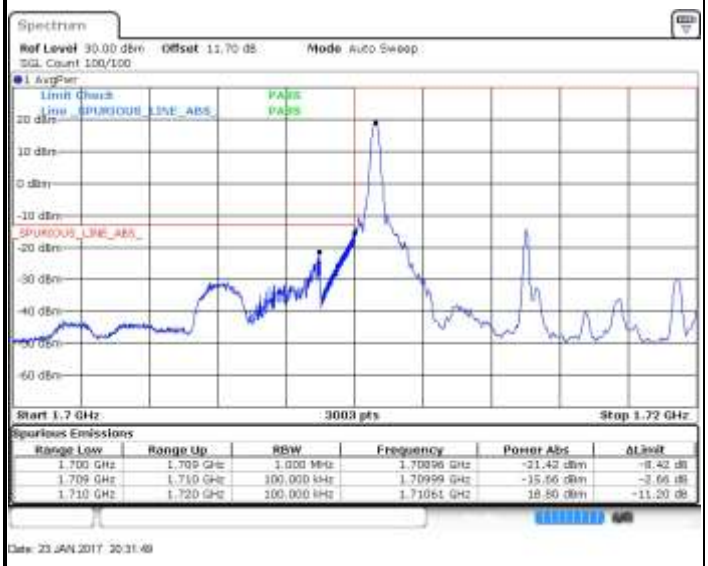
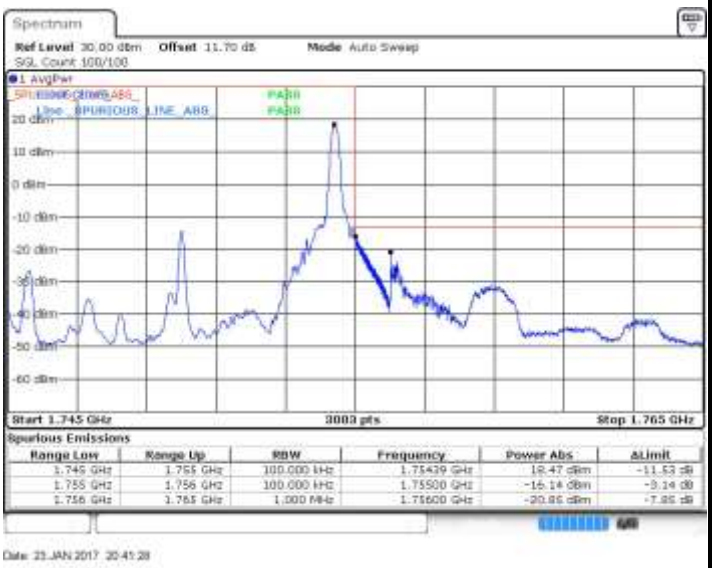
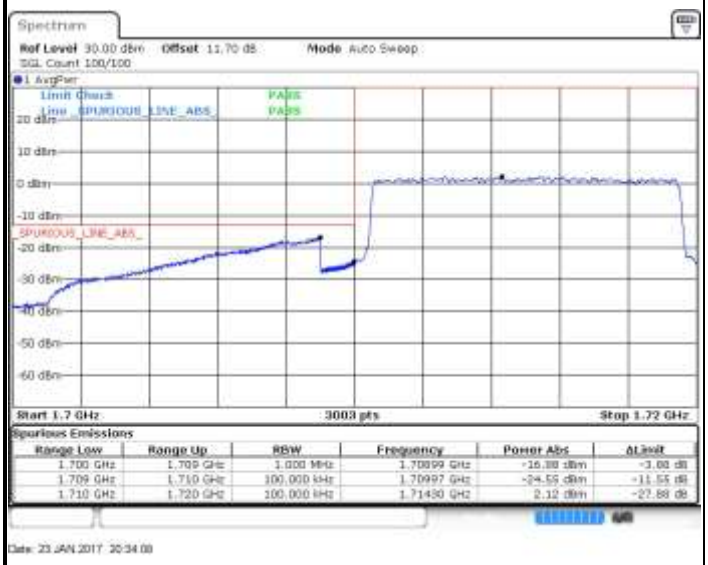
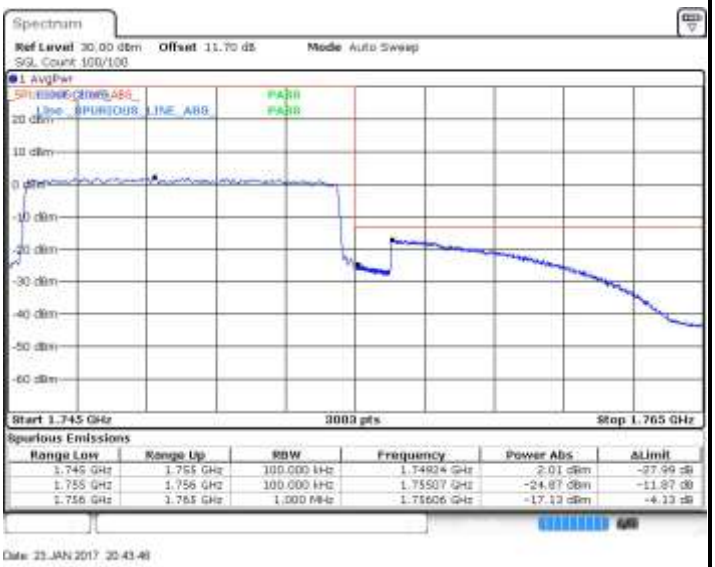
LTE Band 4 / 1.4MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

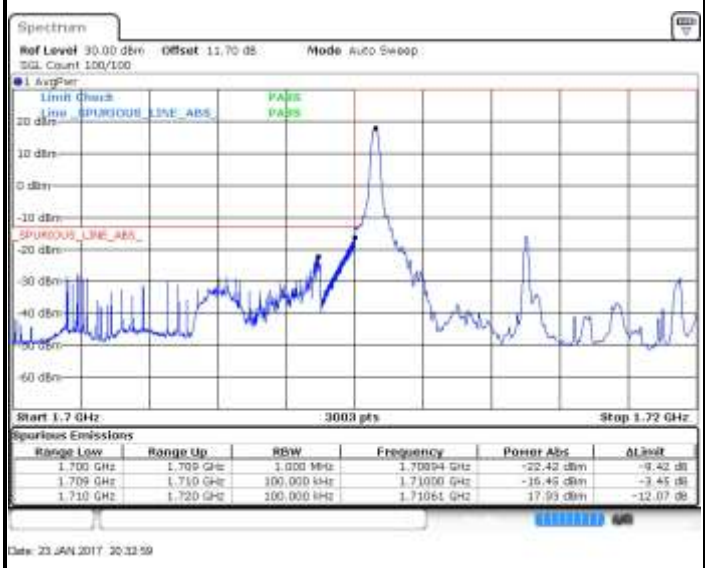
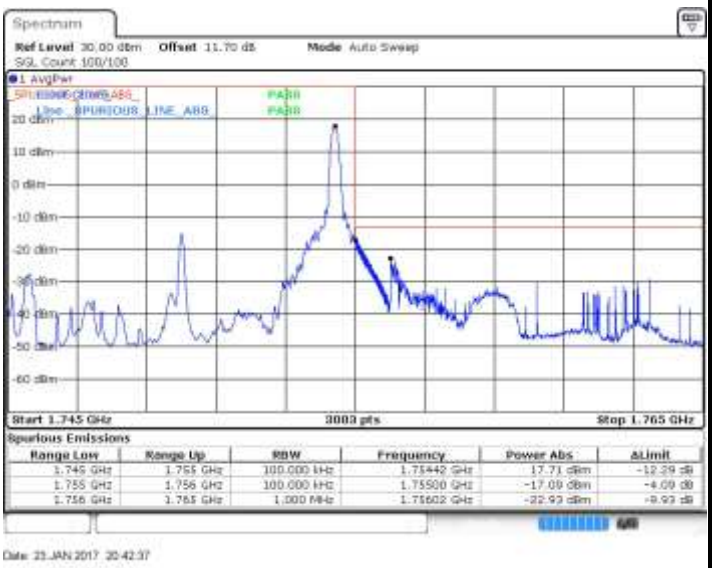
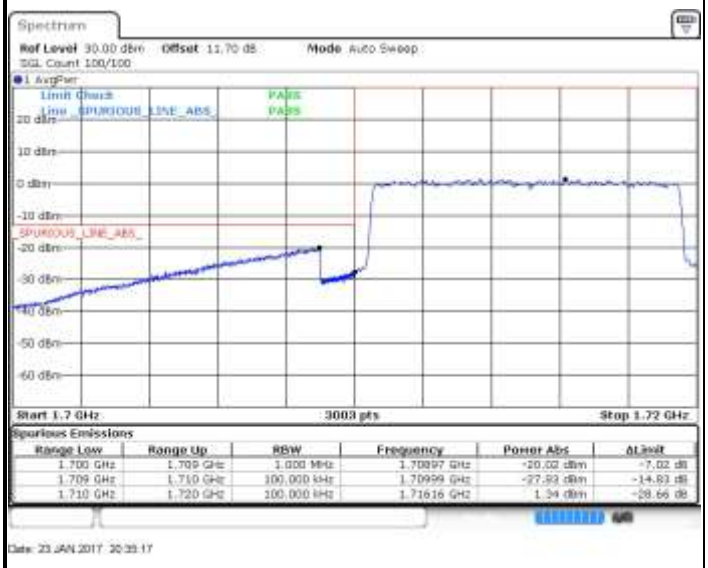
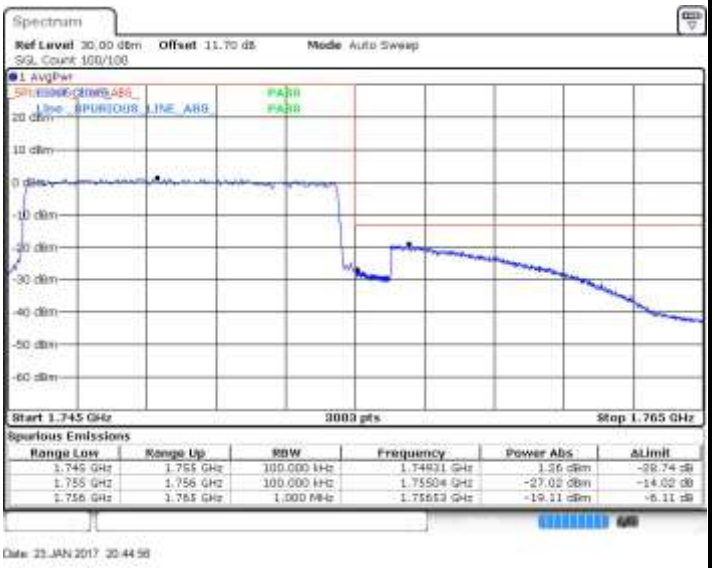
LTE Band 4 / 3MHz / QPSK	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

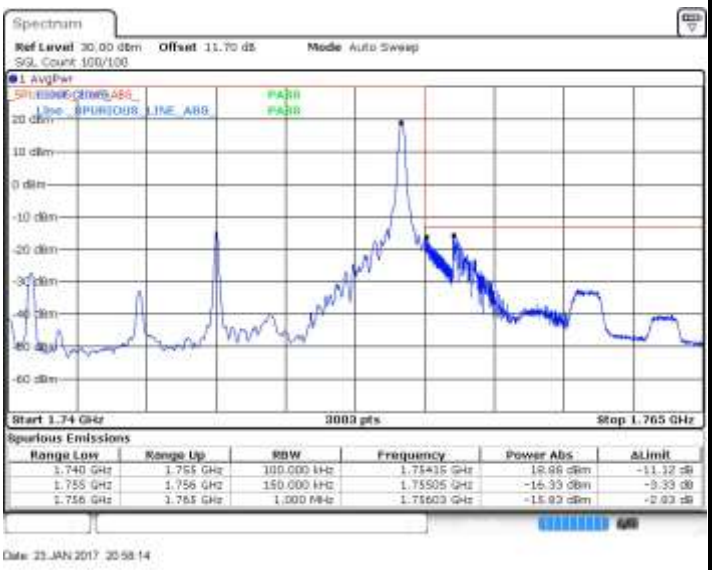
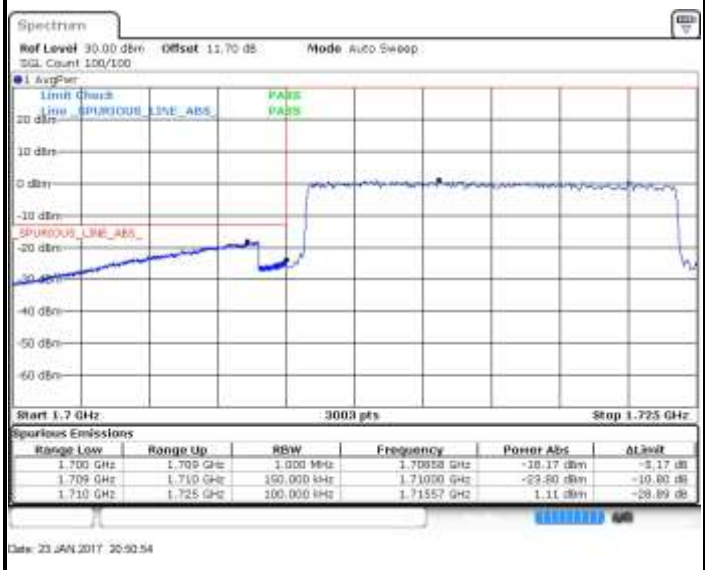
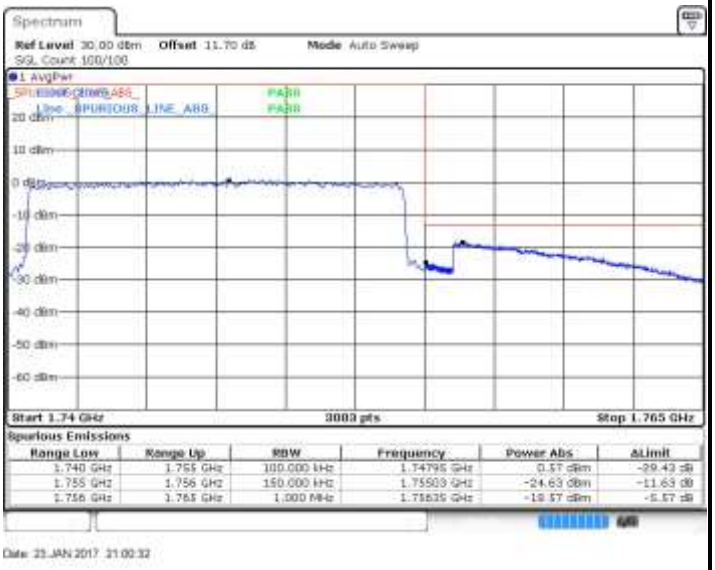
LTE Band 4 / 3MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge /1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

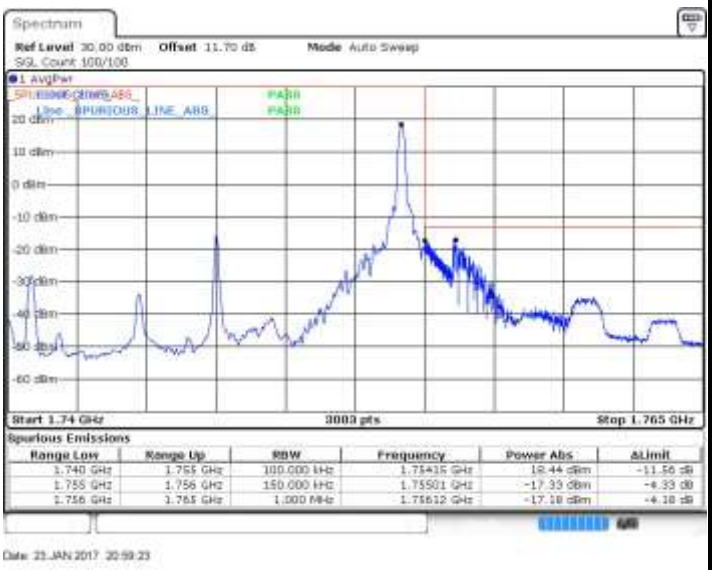
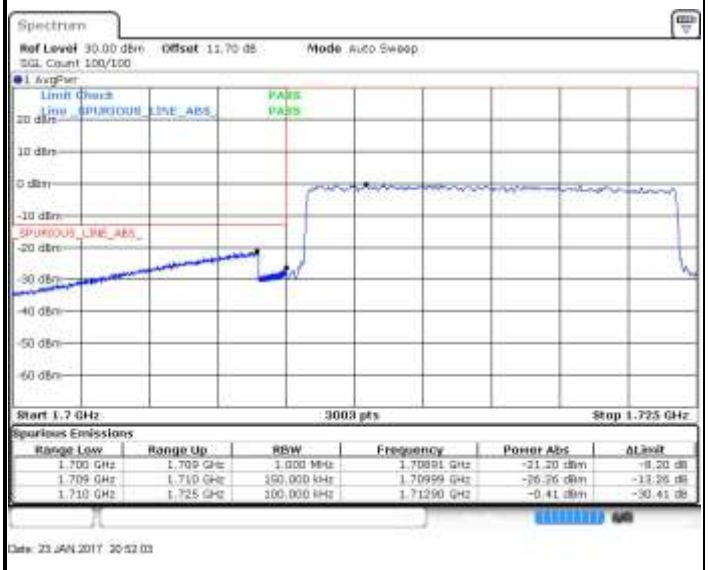
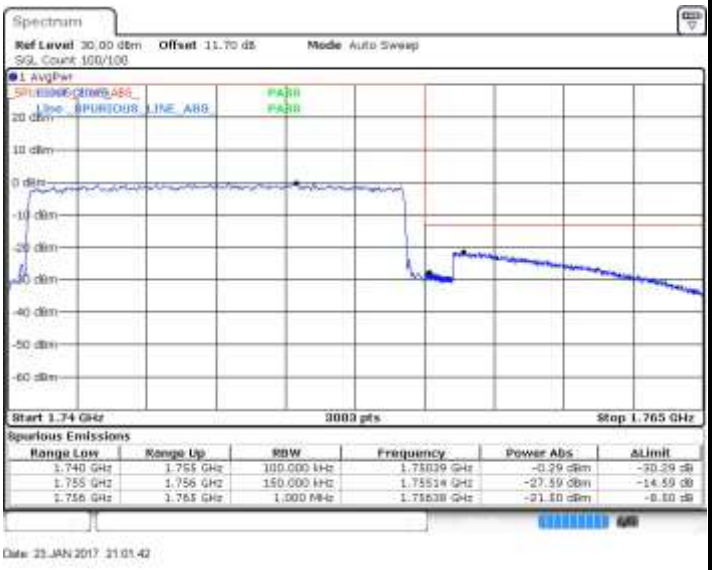
LTE Band 4 / 5MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

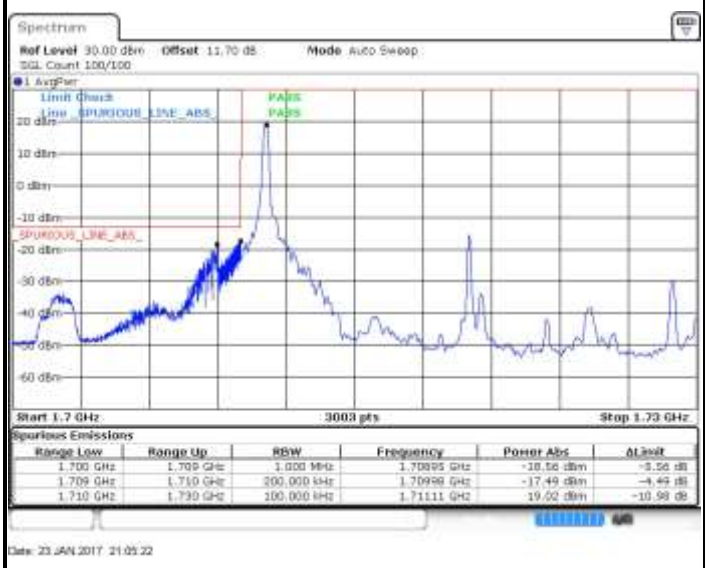
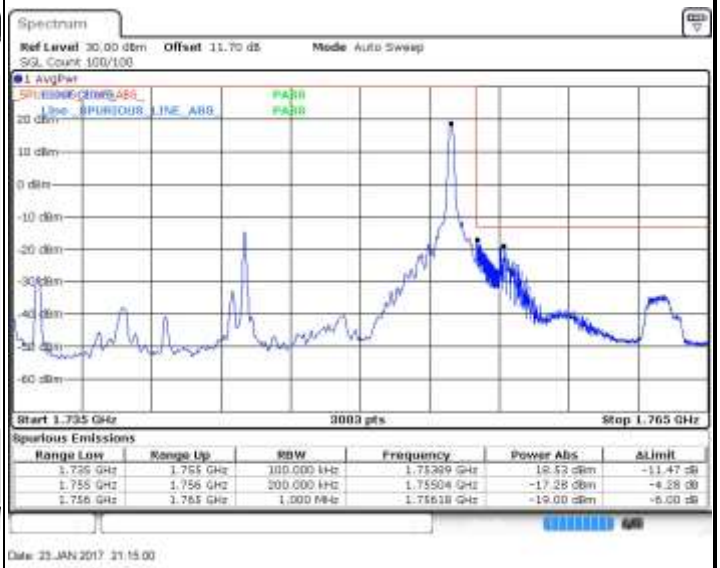
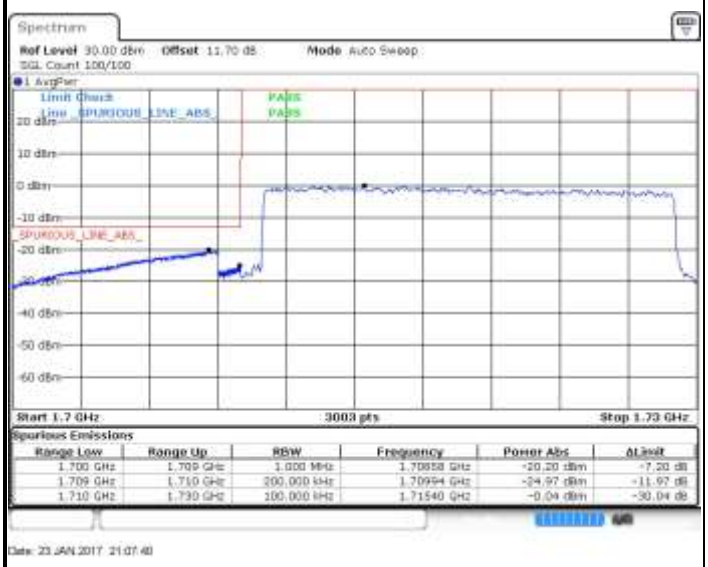
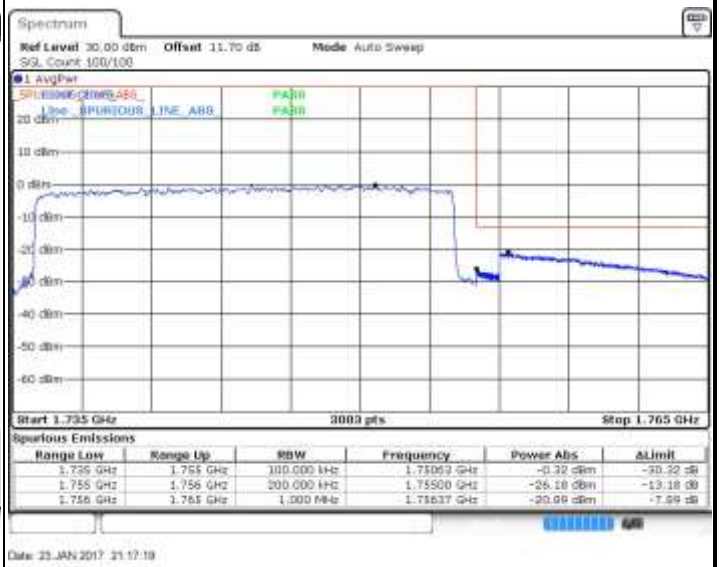
LTE Band 4 / 5MHz / 16QAM	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

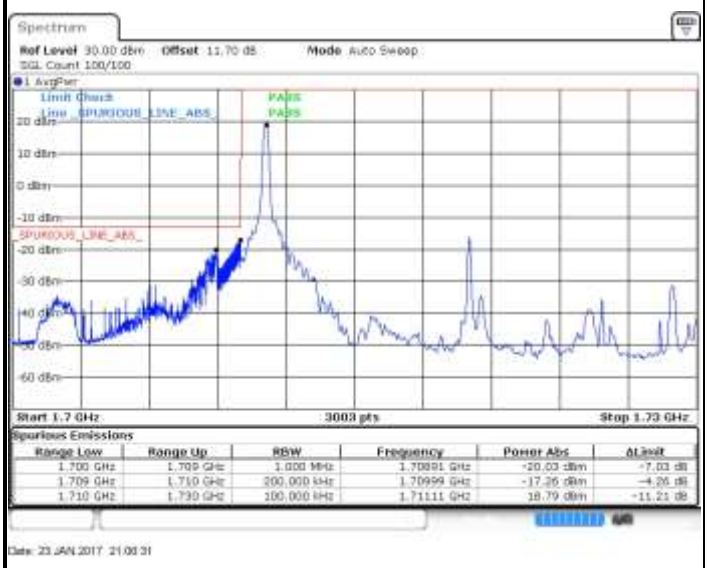
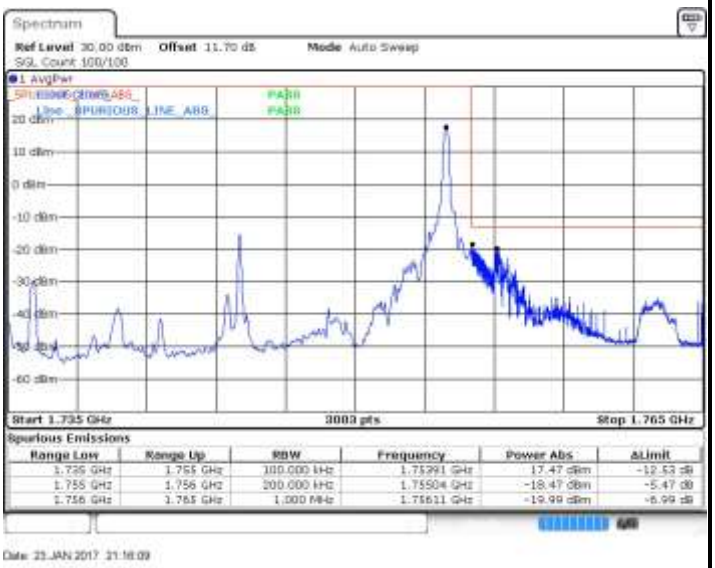
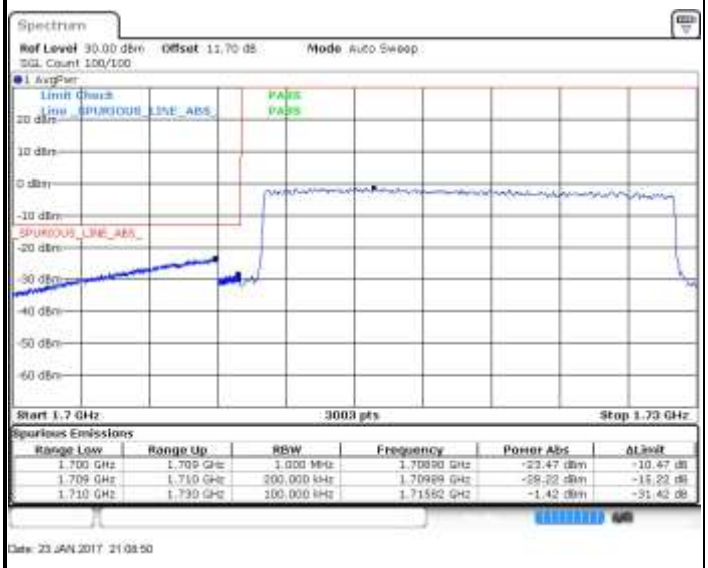
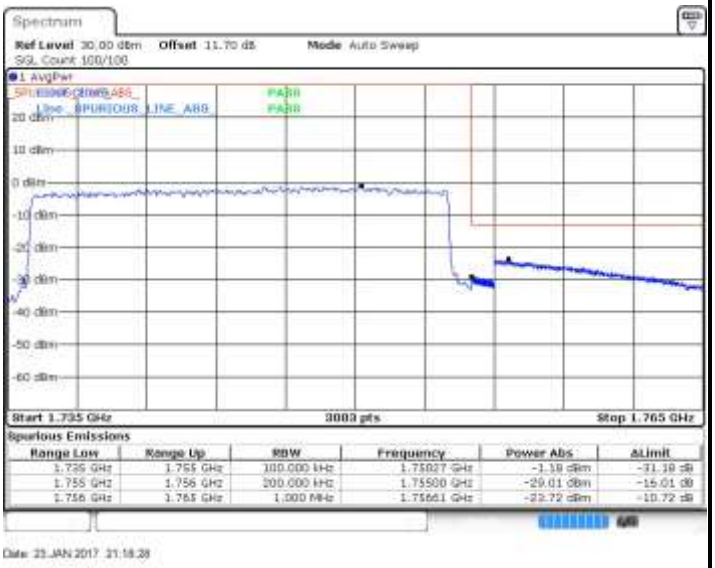
LTE Band 4 / 10MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 4 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

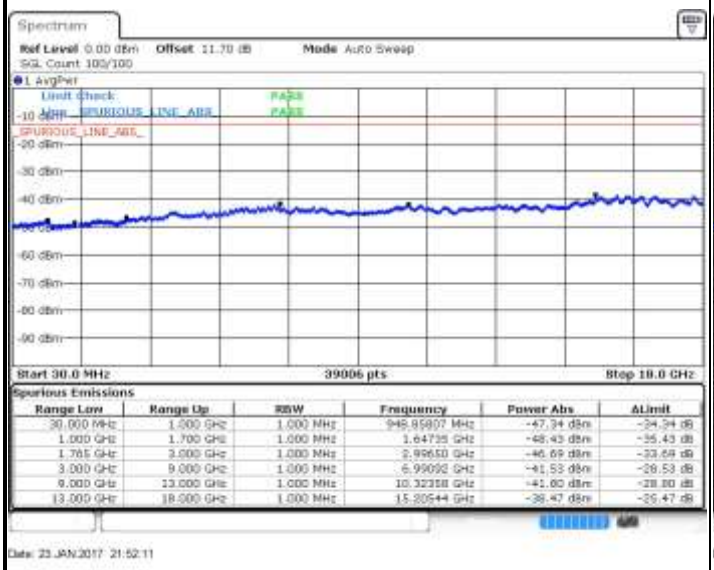
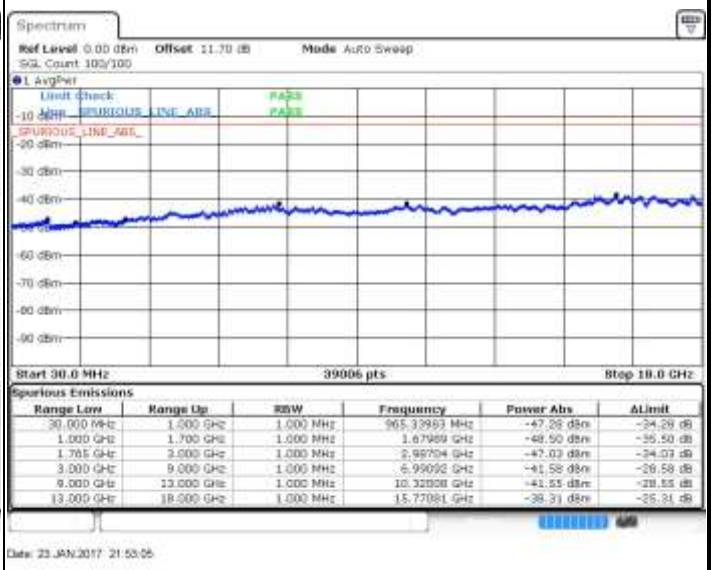
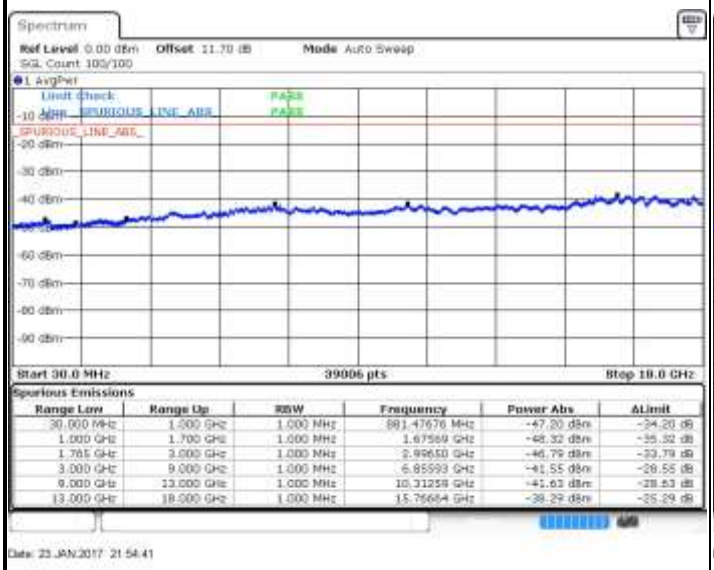
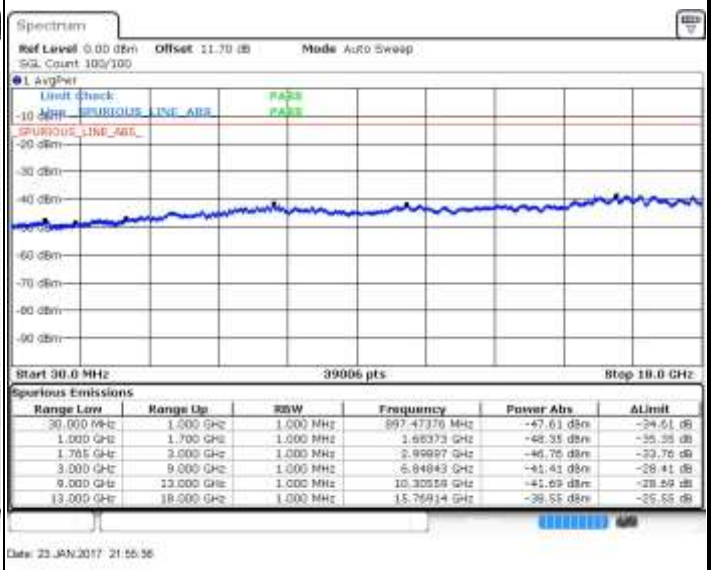
LTE Band 4 / 15MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

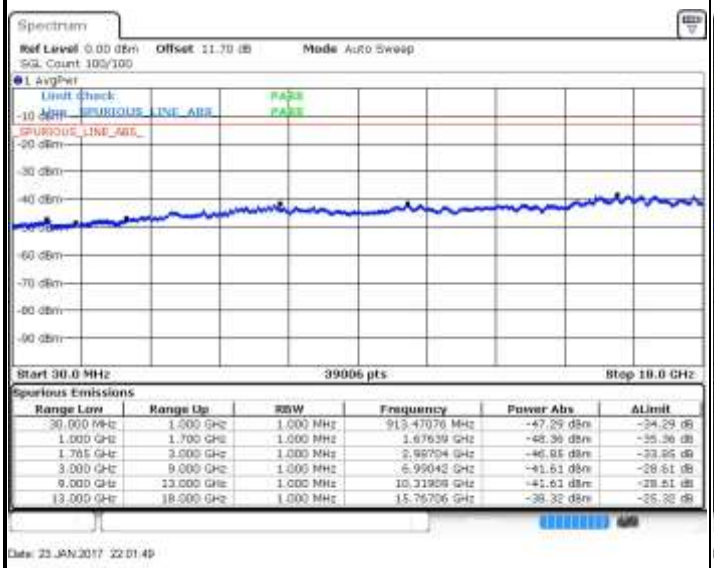
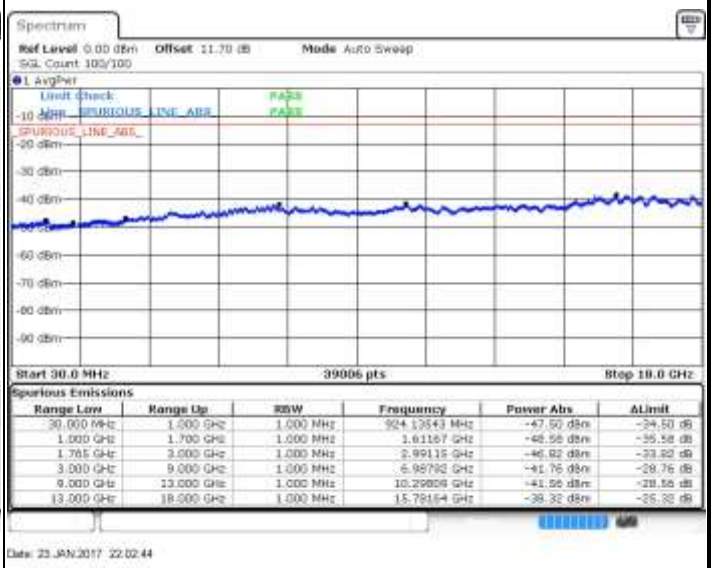
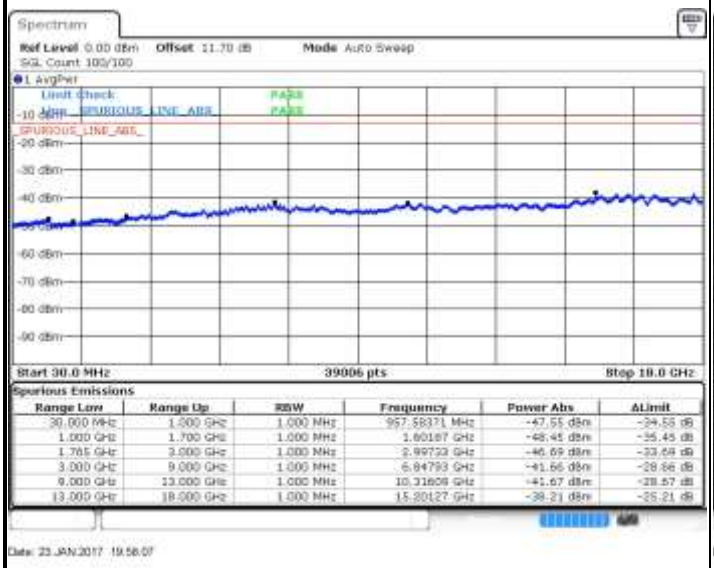
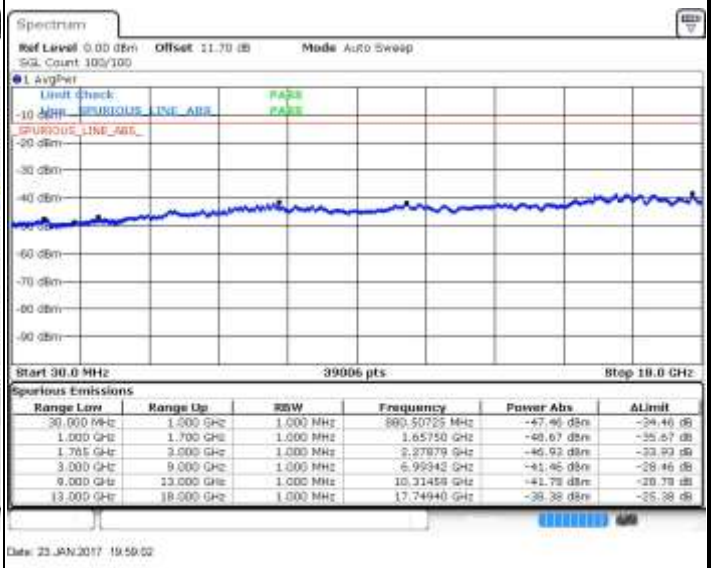
LTE Band 4 / 15MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

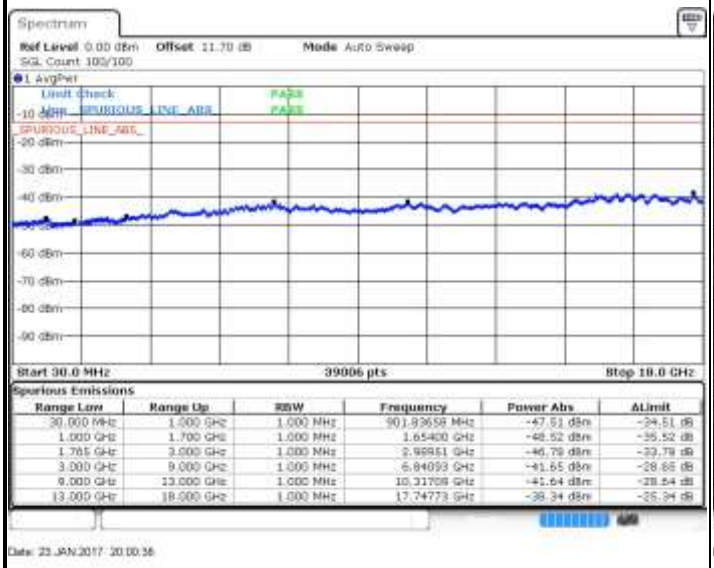
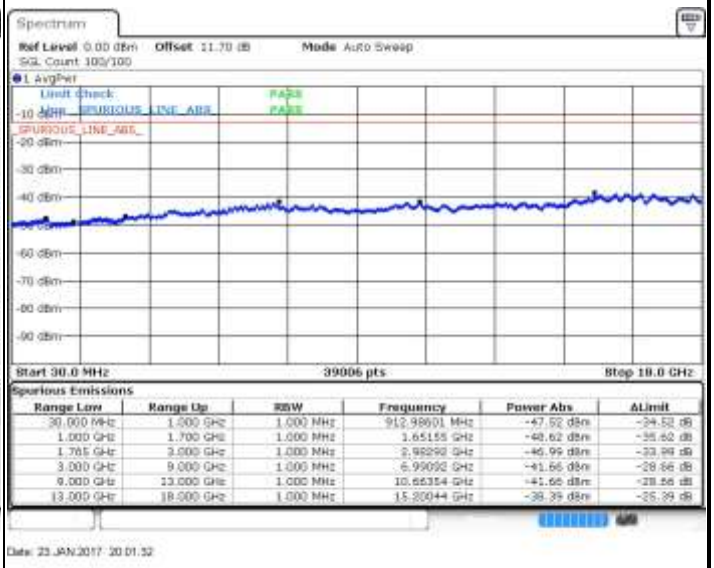
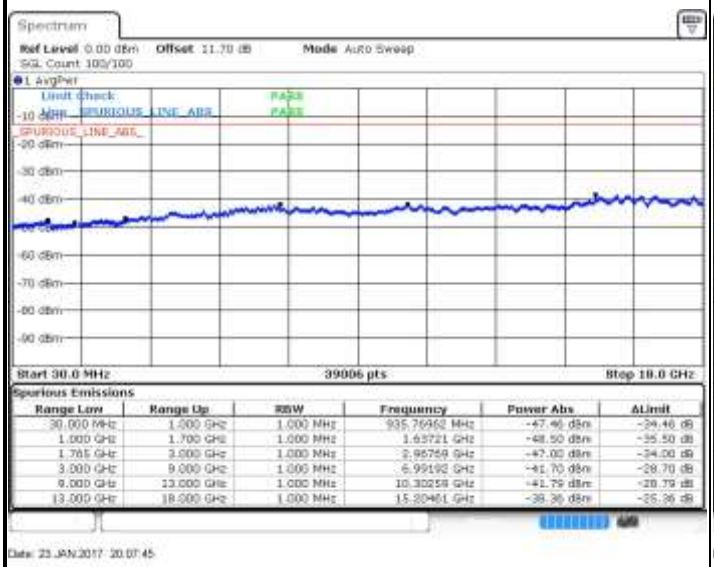
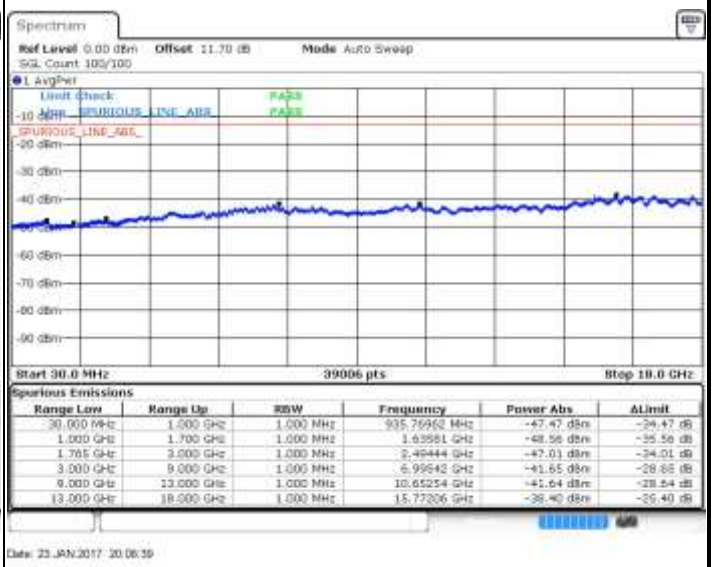
LTE Band 4 / 20MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

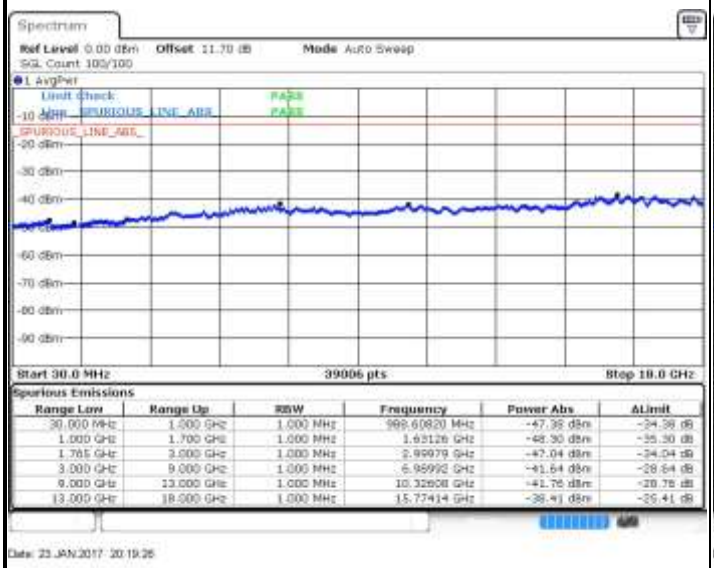
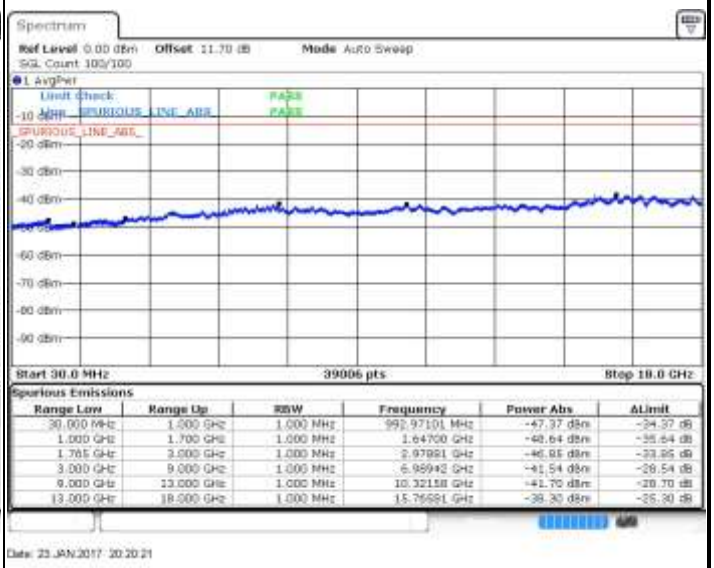
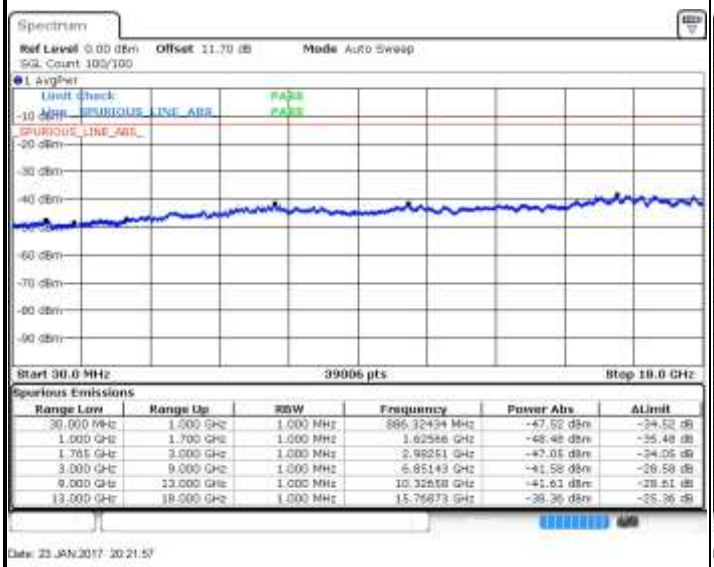
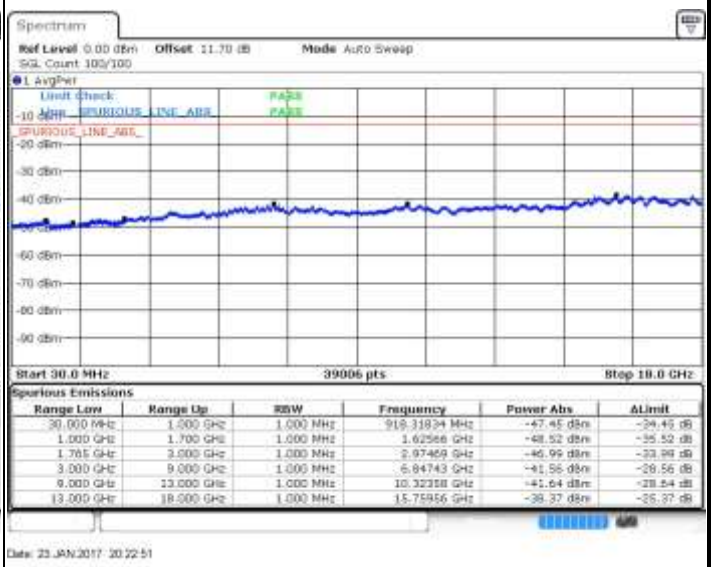
LTE Band 4 / 20MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

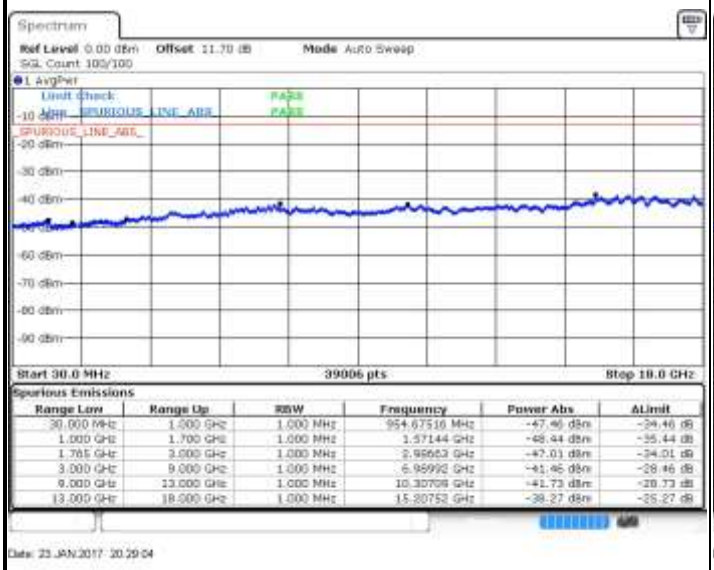
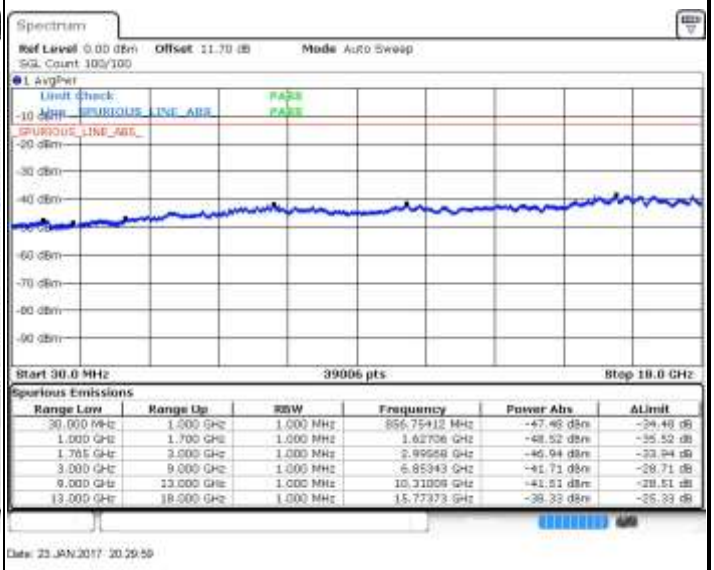
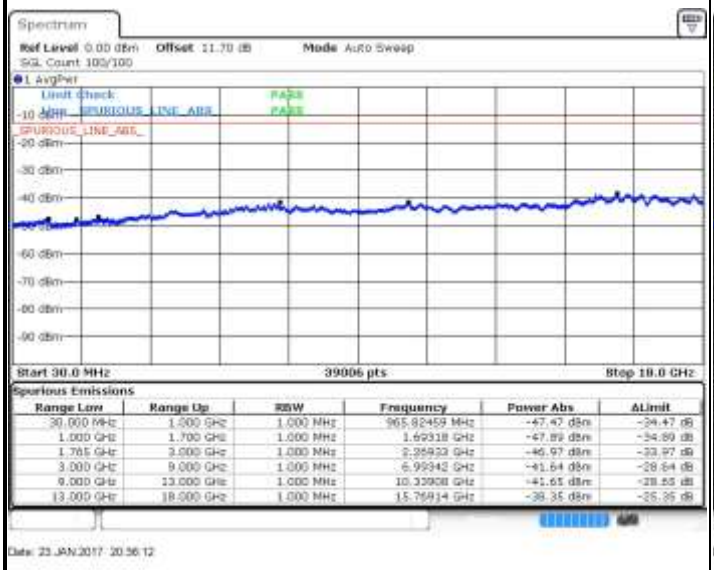
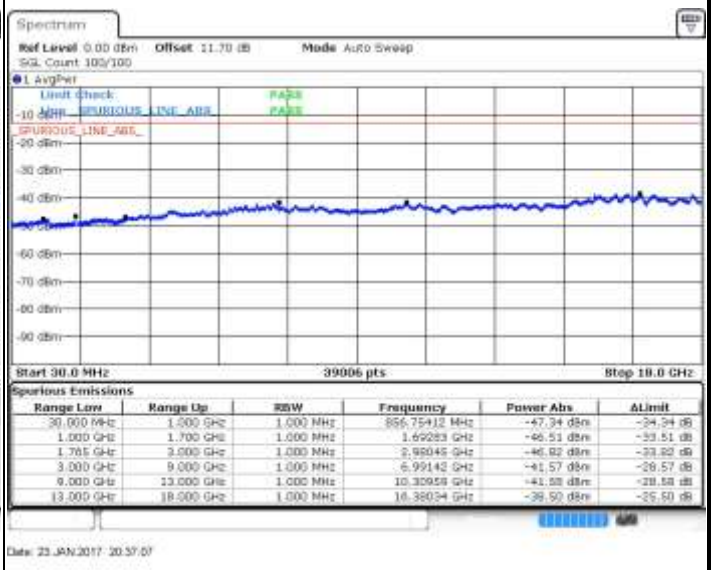
Conducted Spurious Emission

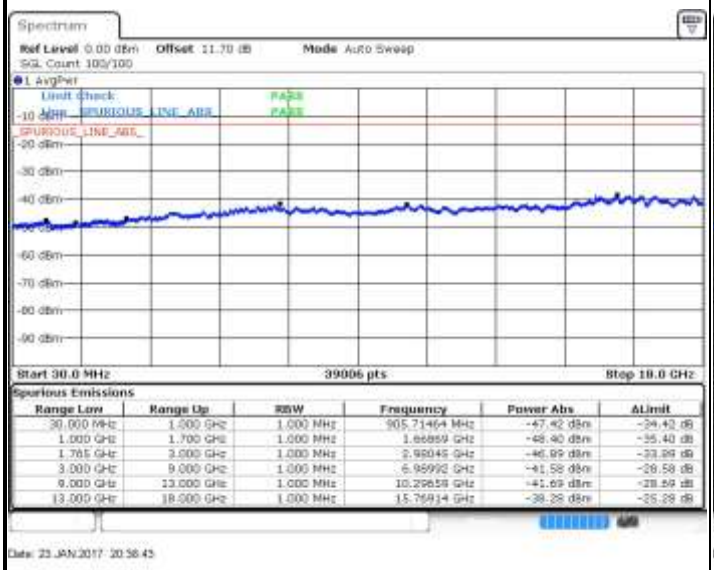
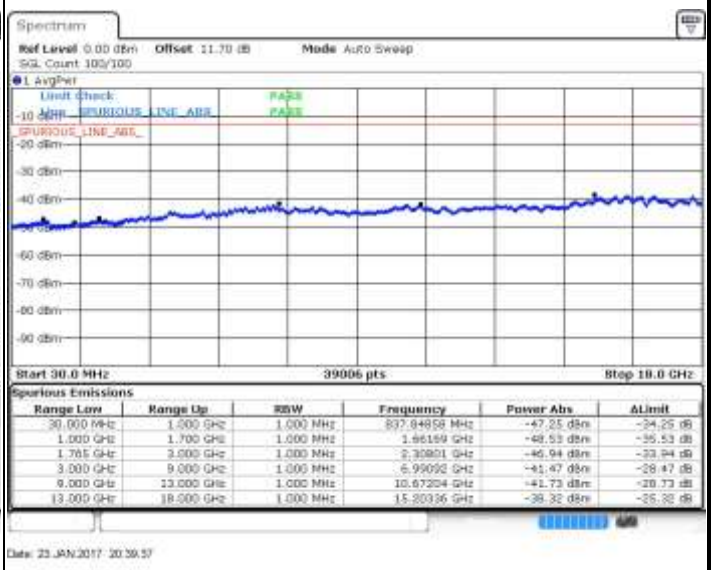
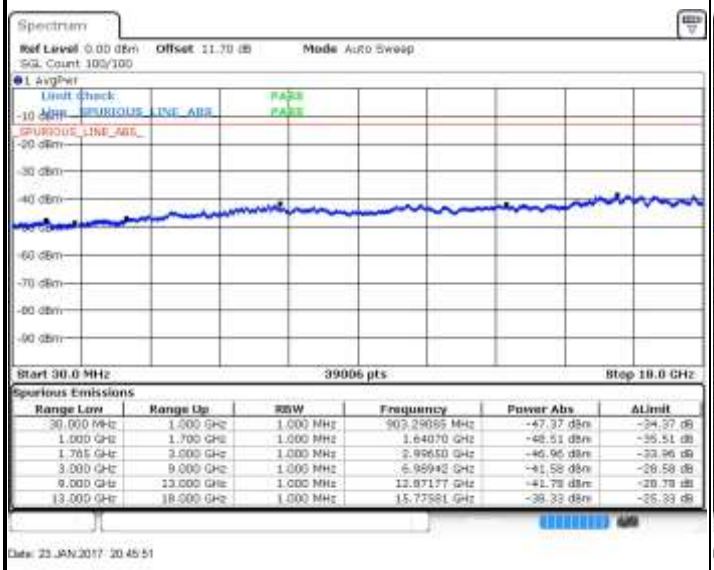
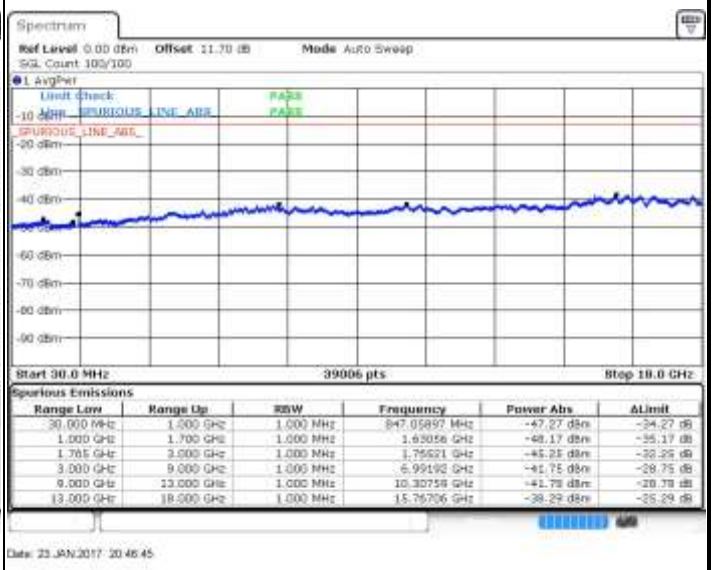
LTE Band 4 / 1.4MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	

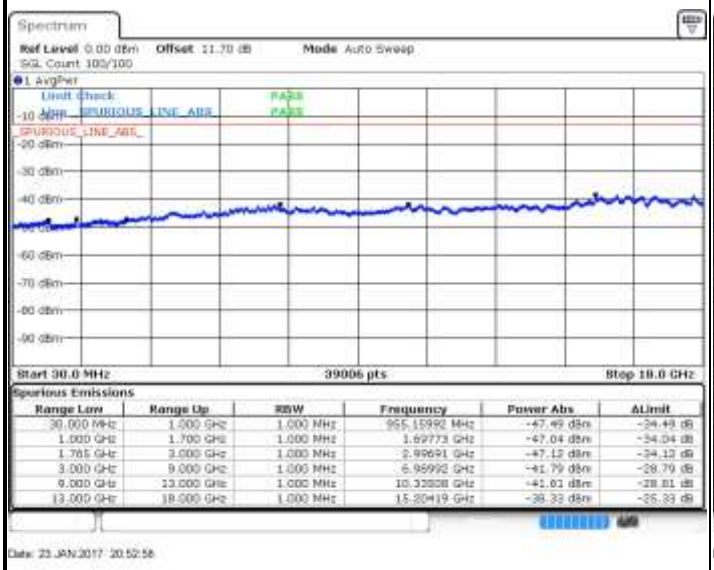
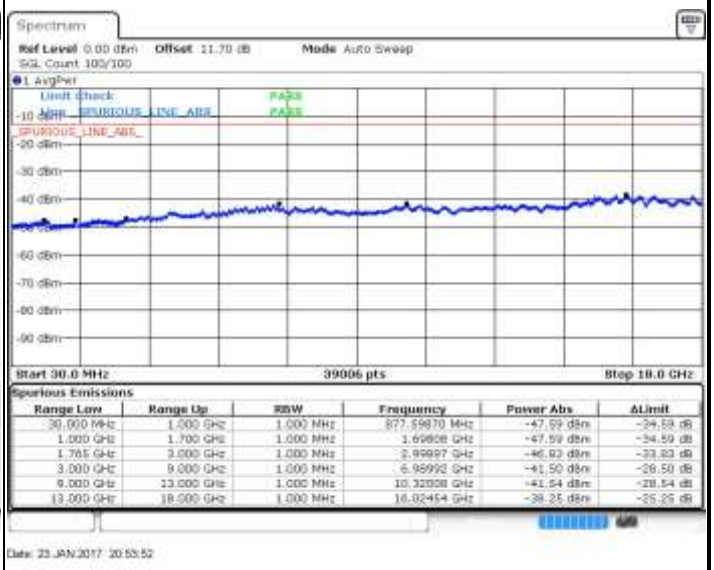
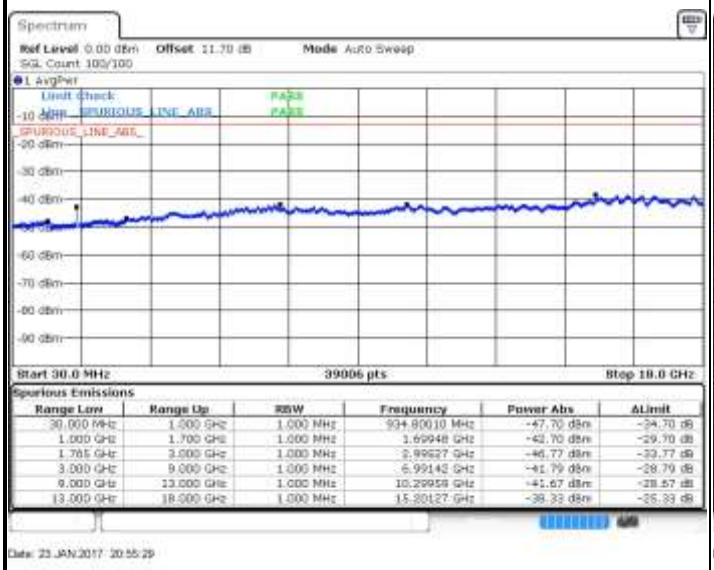
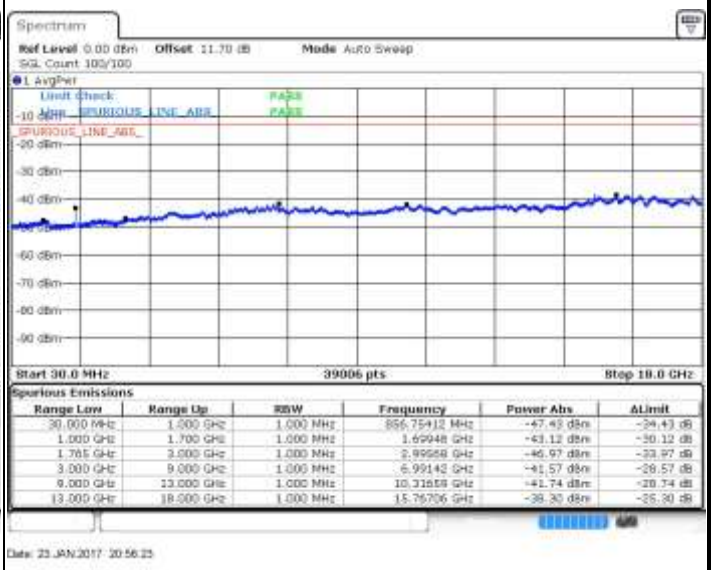
LTE Band 4 / 1.4MHz	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	
LTE Band 4 / 3MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	

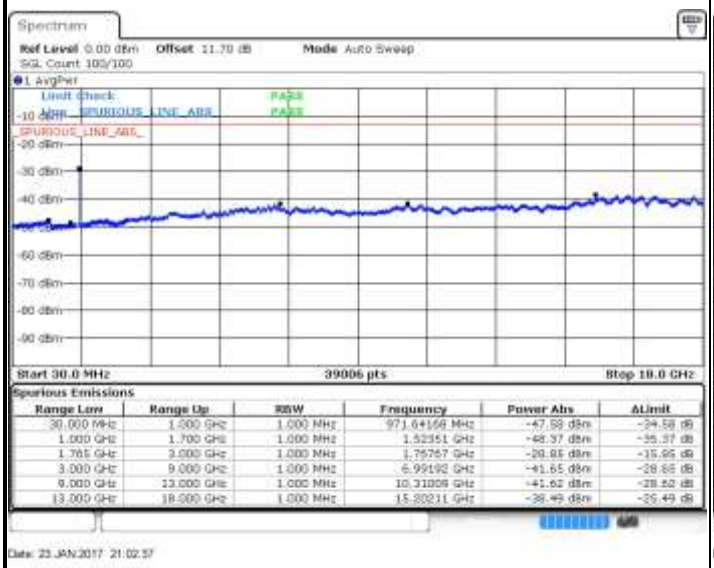
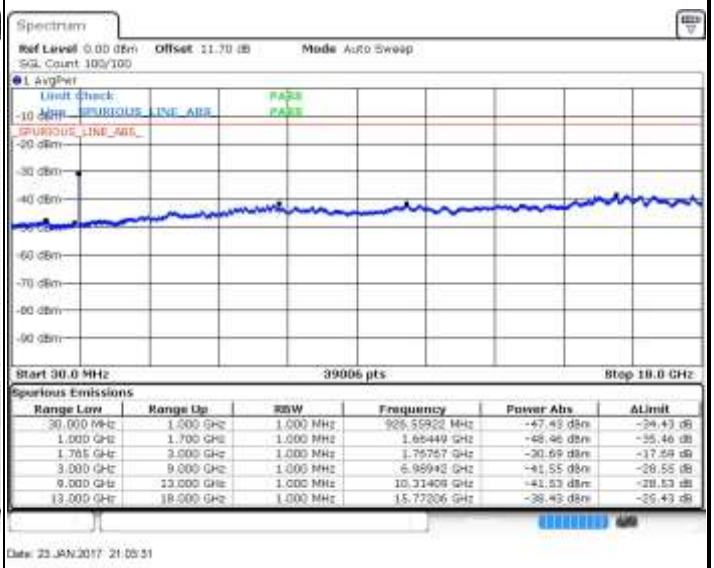
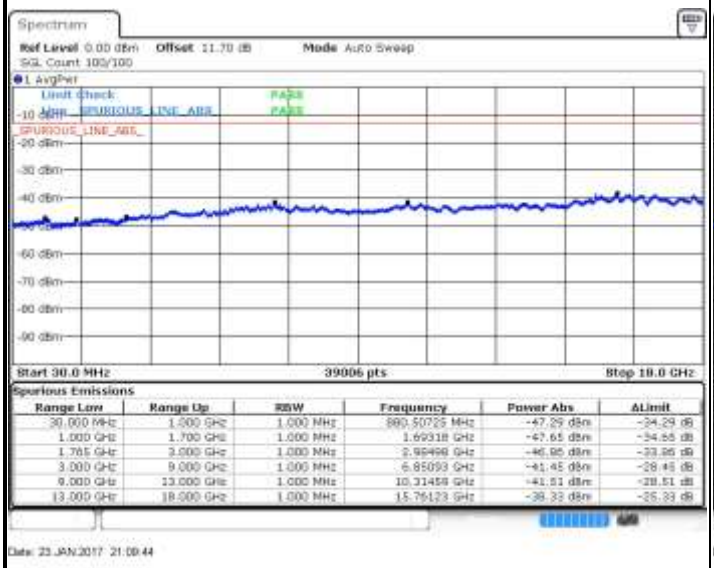
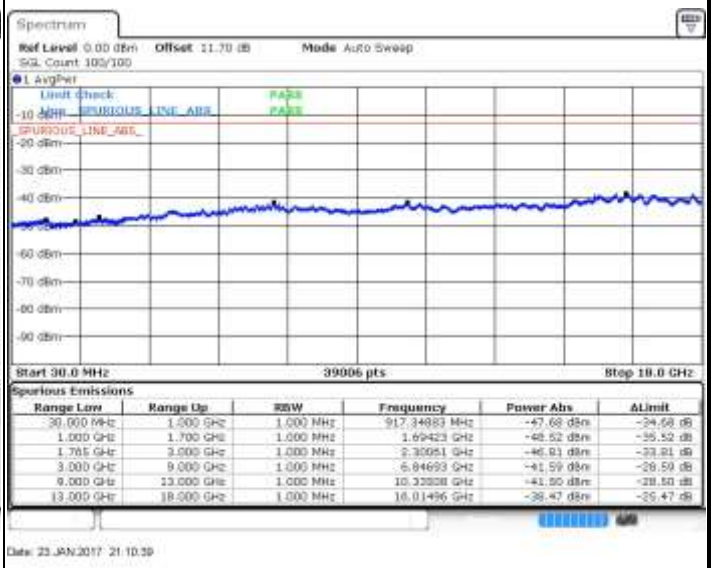
LTE Band 4 / 3MHz	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	

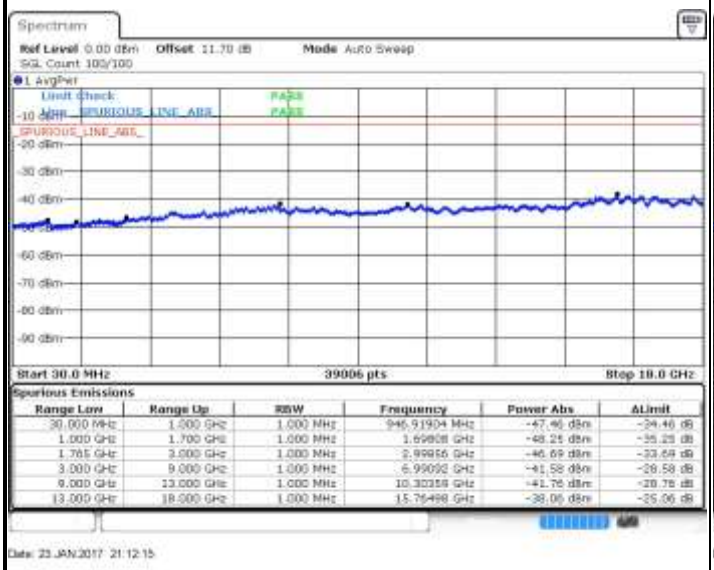
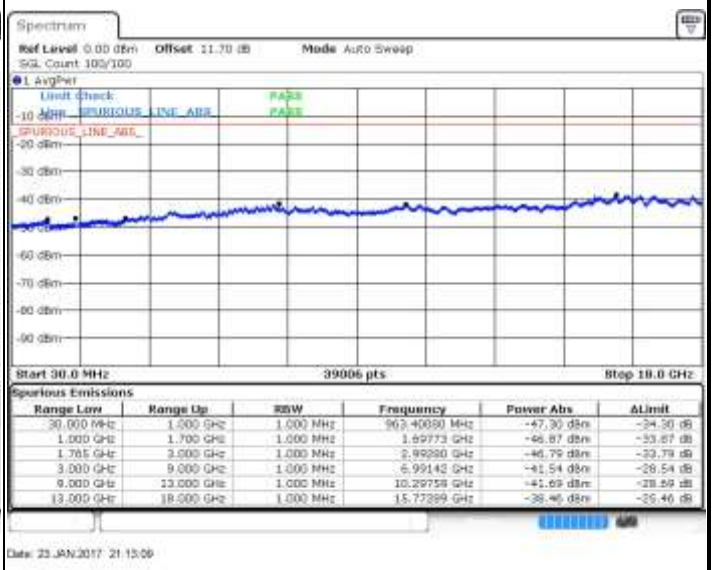
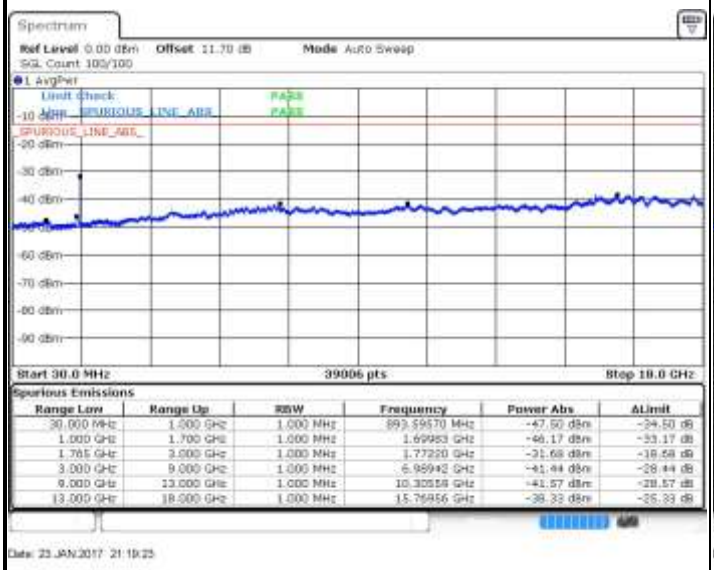
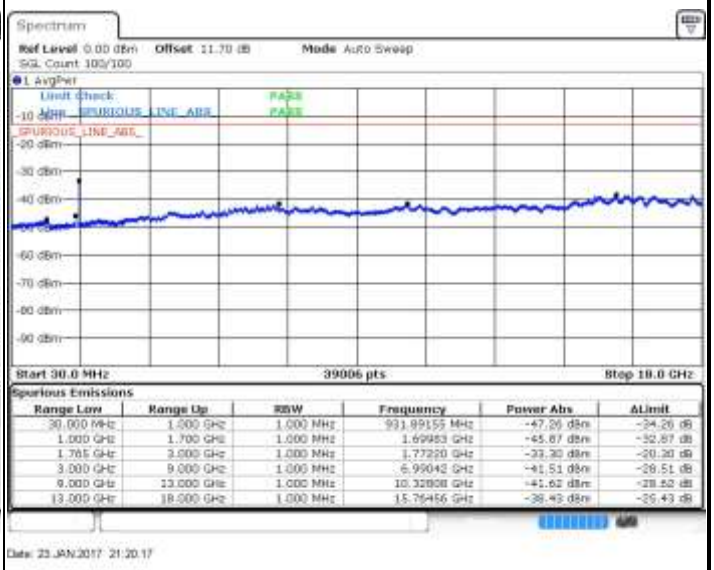
LTE Band 4 / 5MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	

LTE Band 4 / 5MHz	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	
LTE Band 4 / 10MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	

LTE Band 4 / 10MHz	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	

LTE Band 4 / 15MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	

LTE Band 4 / 15MHz	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	
LTE Band 4 / 20MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	

LTE Band 4 / 20MHz	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.2 V.

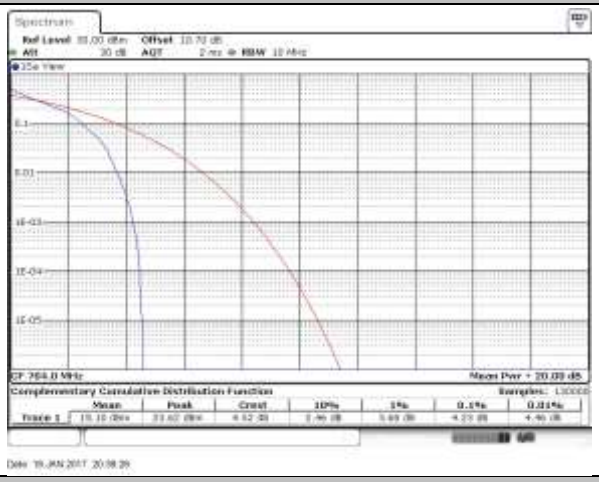
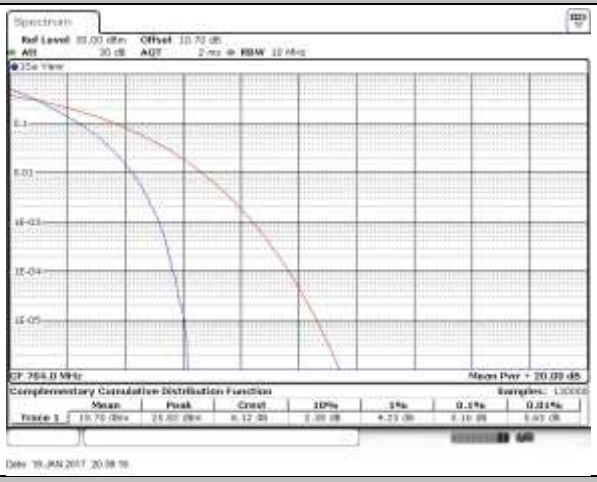
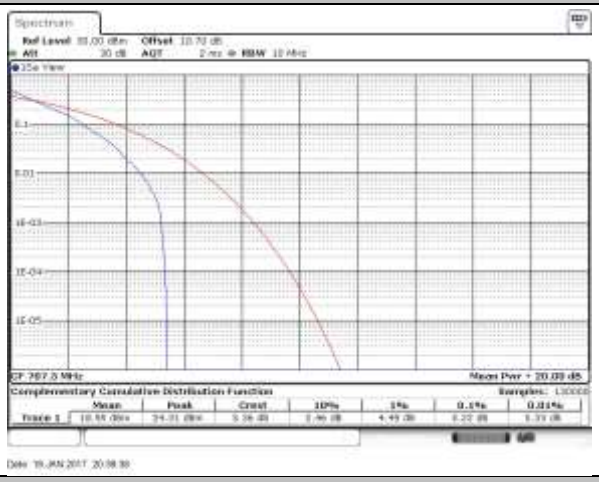
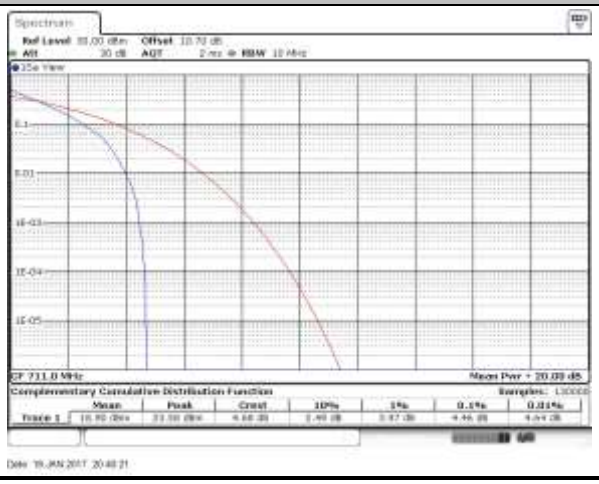
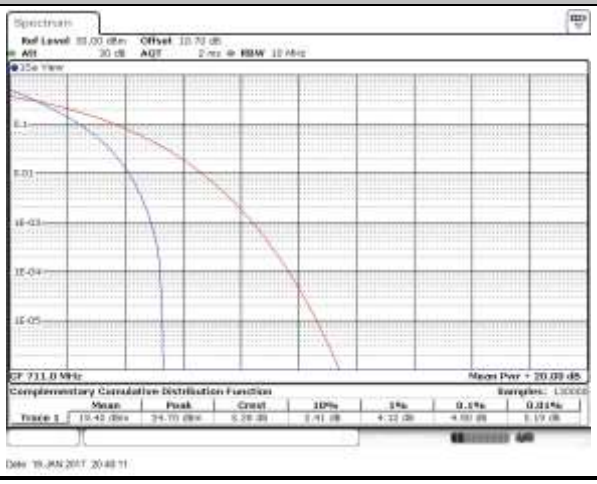
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

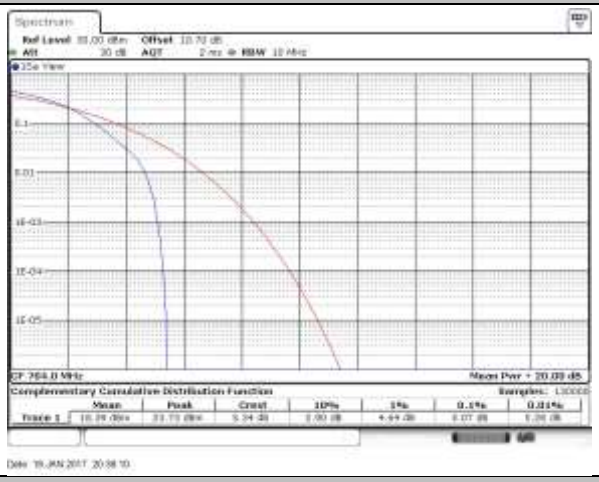
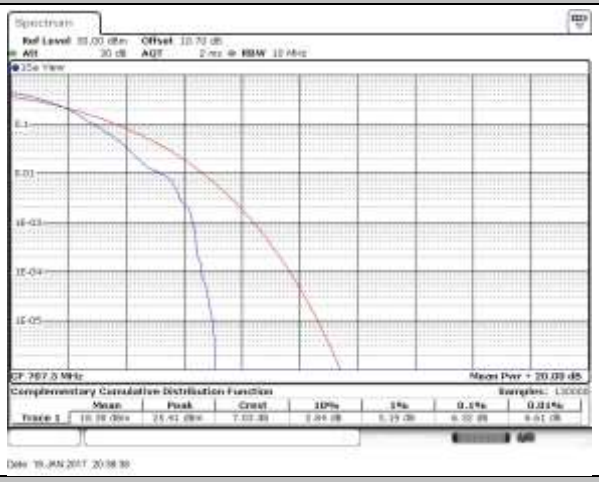
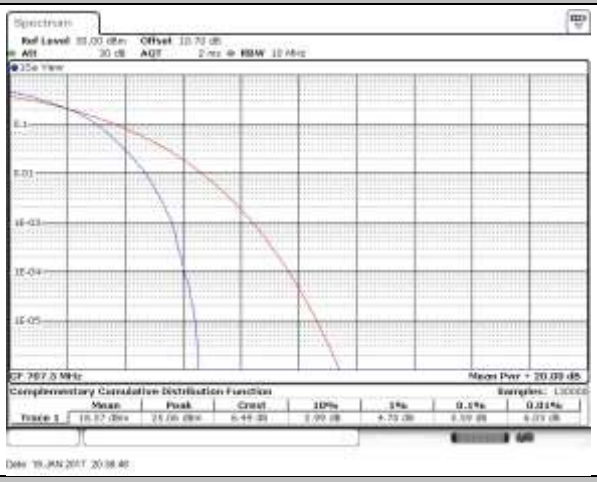
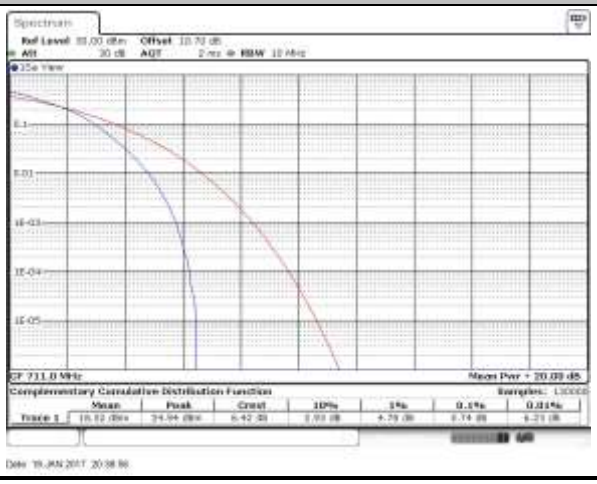
LTE Band 12

<Ant. 2>

Peak-to-Average Ratio

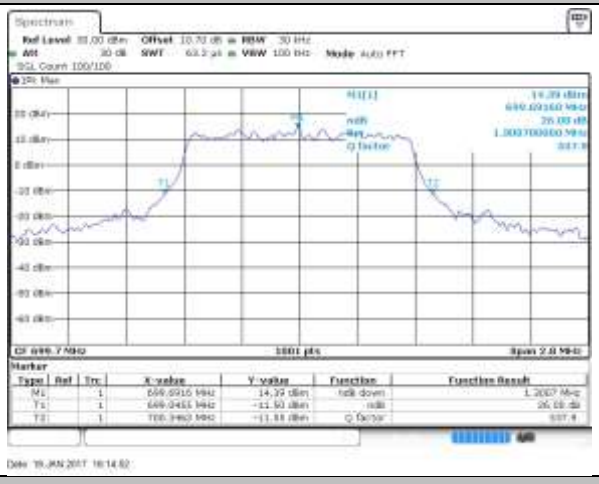
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	5.16	5.07	6.09	PASS
Middle CH	5.22	4.84	6.32	5.59	
Highest CH	4.46	4.9	5.13	5.74	

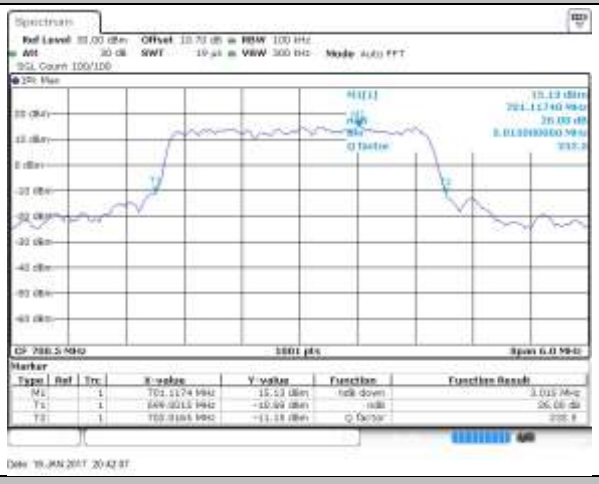
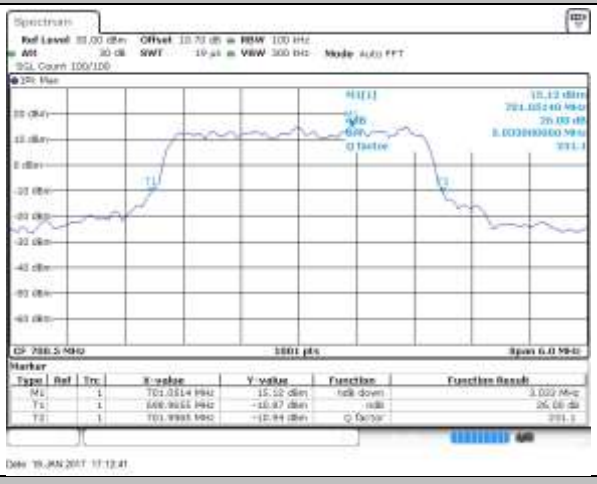
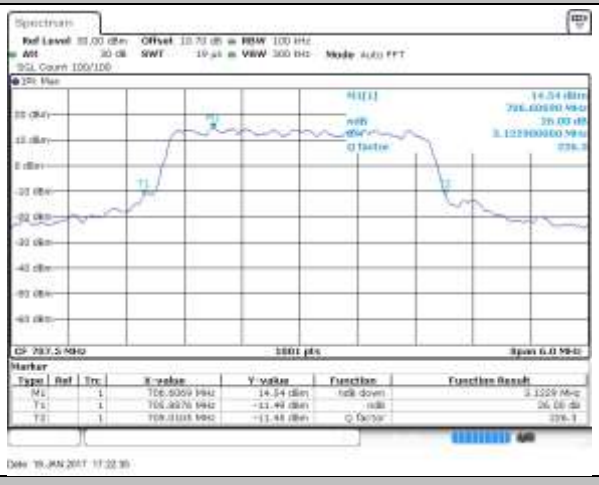
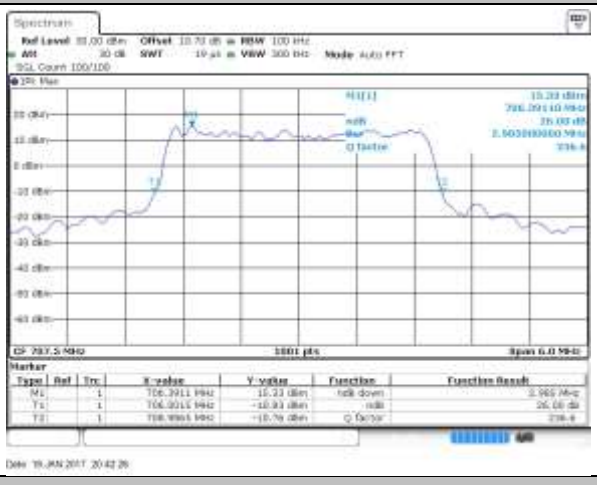
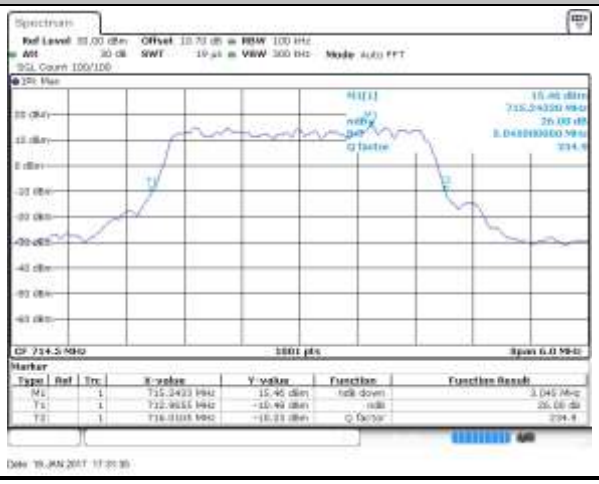
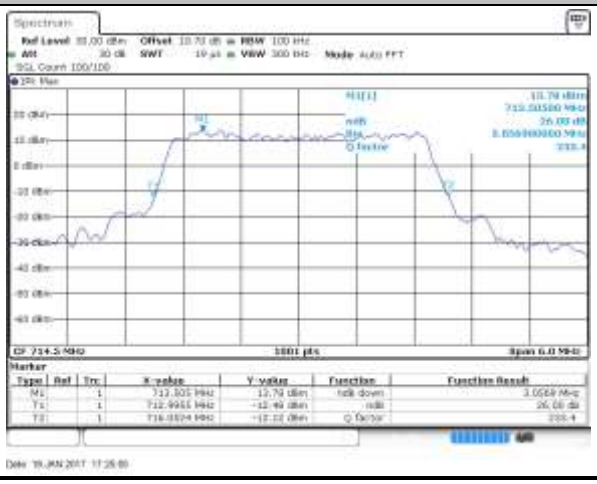
LTE Band 12 / 10MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

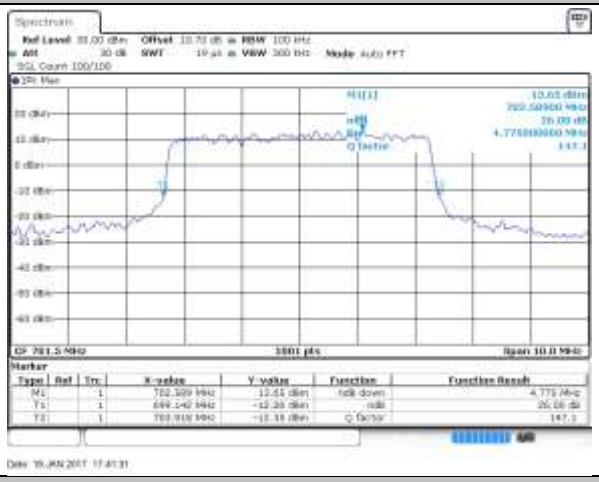
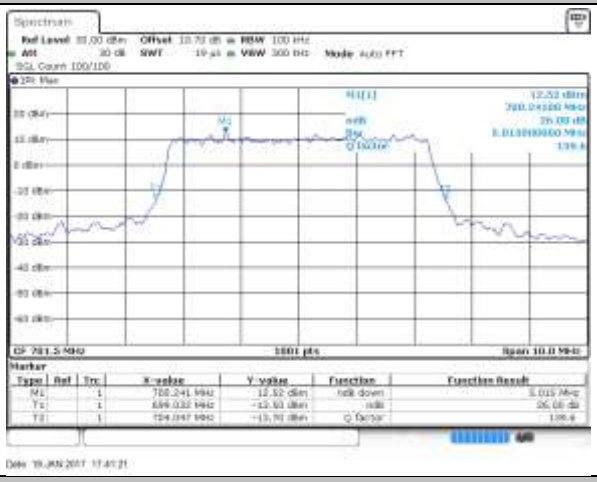
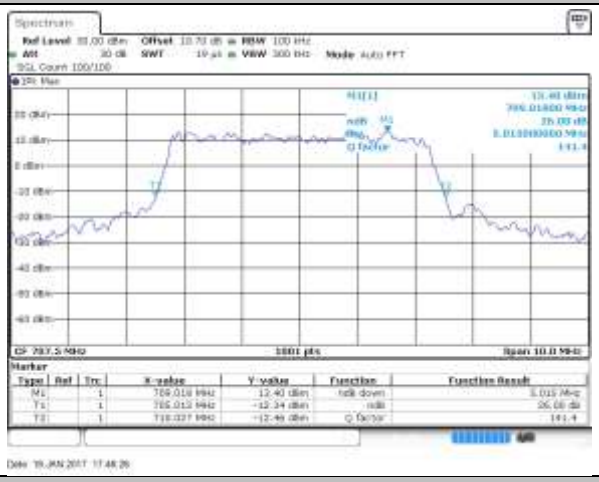
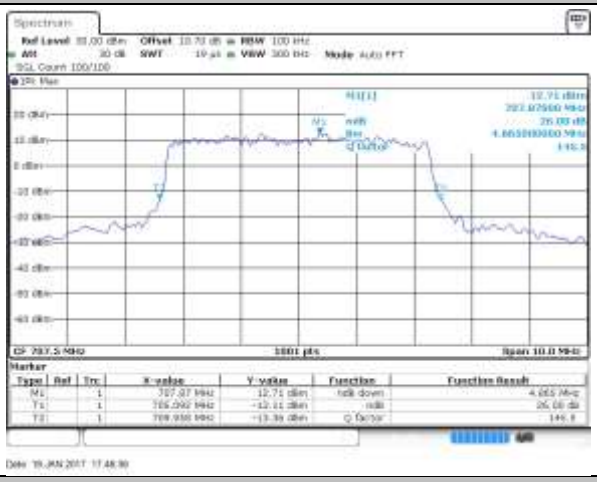
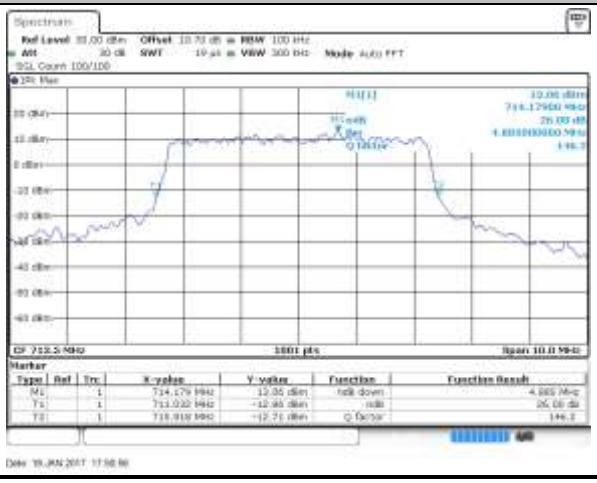
LTE Band 12 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

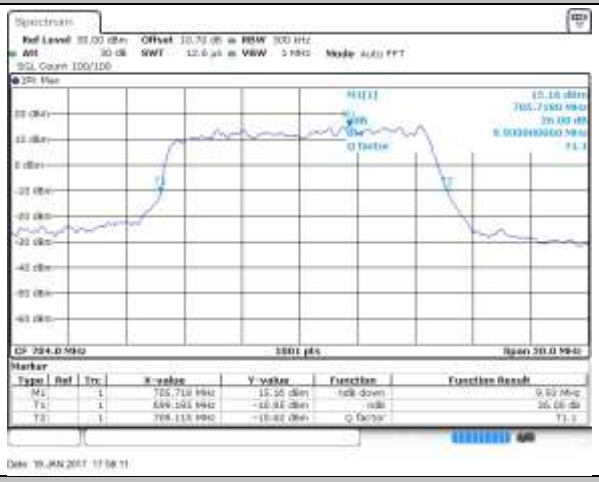
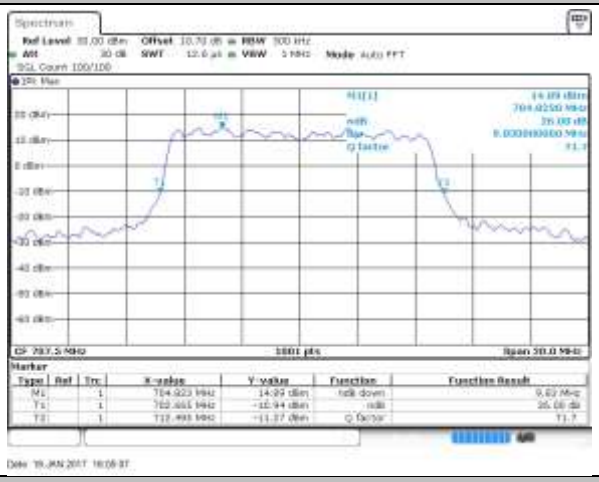
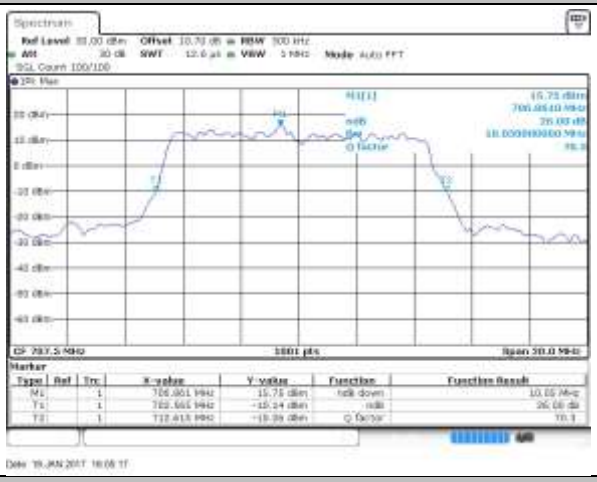
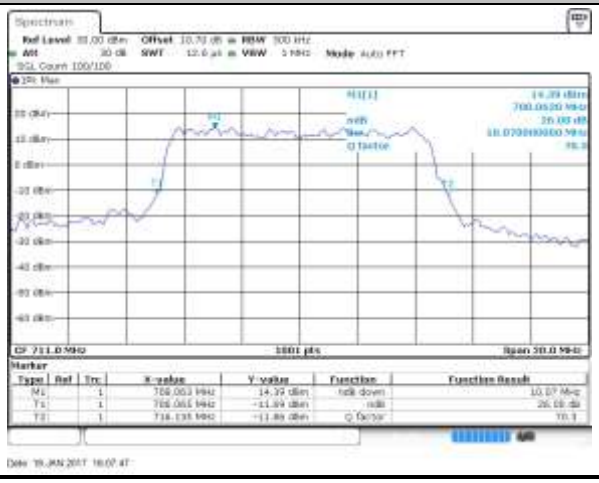
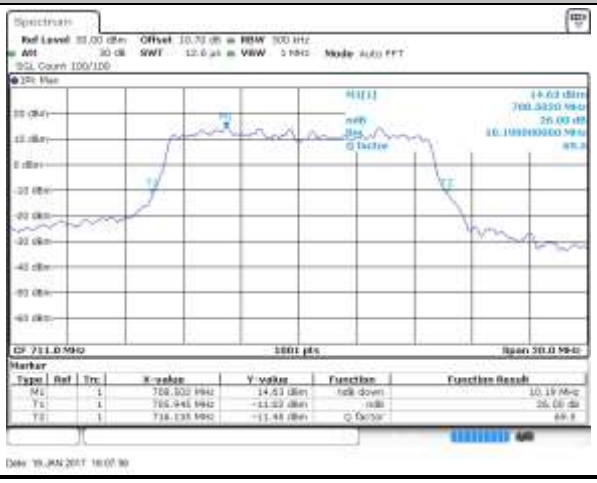
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.30	1.33	3.02	3.03	4.78	5.02	9.93	9.81	-	-	-	-
Middle CH	1.33	1.34	3.12	2.99	5.02	4.87	9.83	10.05	-	-	-	-
Highest CH	1.30	1.29	3.05	3.06	4.79	4.89	10.07	10.19	-	-	-	-

LTE Band 12	
Lowest Channel / 1.4MHz / QPSK	**Lowest Channel / 1.4MHz / 16QAM**
	
Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
	
Highest Channel / 1.4MHz / QPSK	**Highest Channel / 1.4MHz / 16QAM**
	

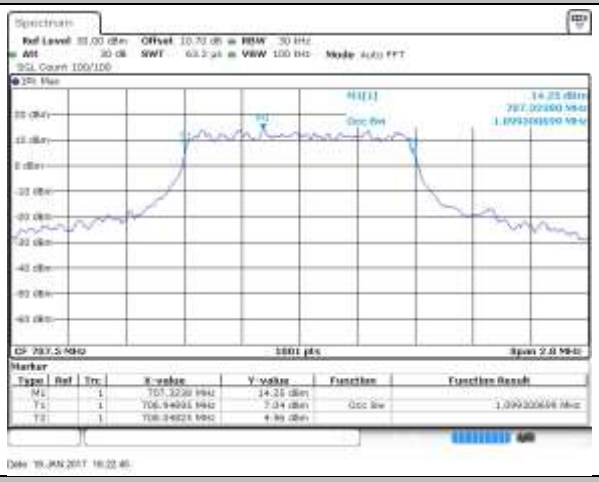
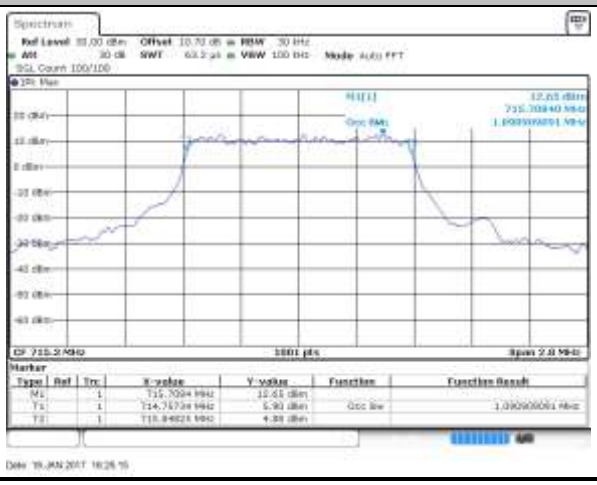
LTE Band 12	
Lowest Channel / 3MHz / QPSK	**Lowest Channel / 3MHz / 16QAM**
	
Middle Channel / 3MHz / QPSK	**Middle Channel /3MHz / 16QAM**
	
Highest Channel /3MHz / QPSK	**Highest Channel /3MHz / 16QAM**
	

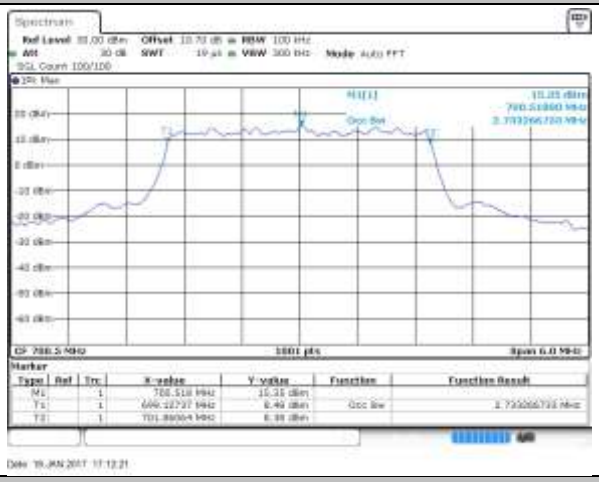
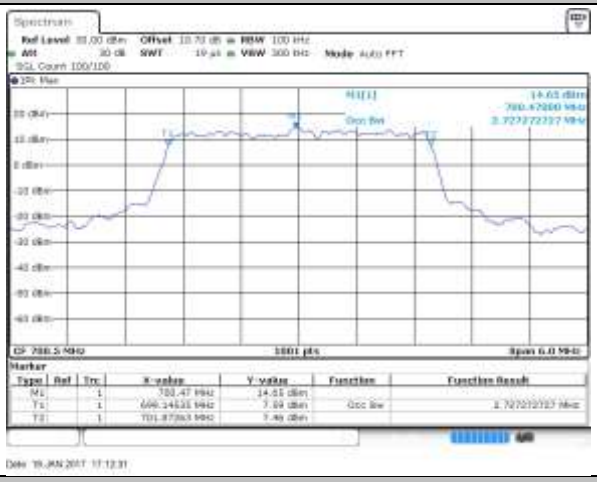
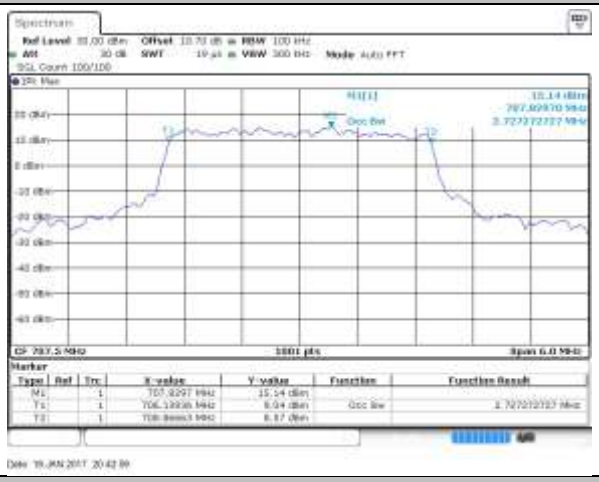
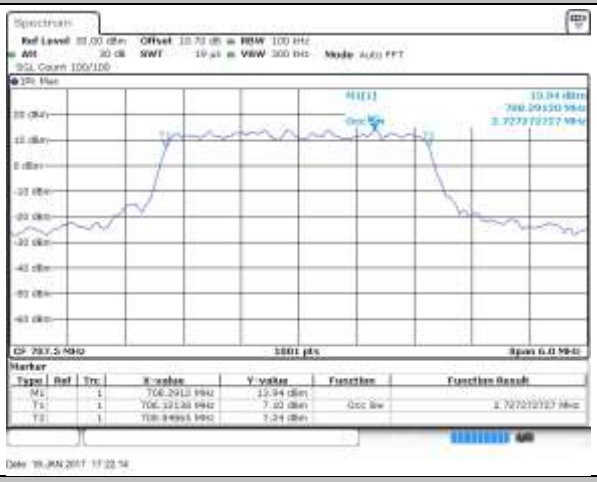
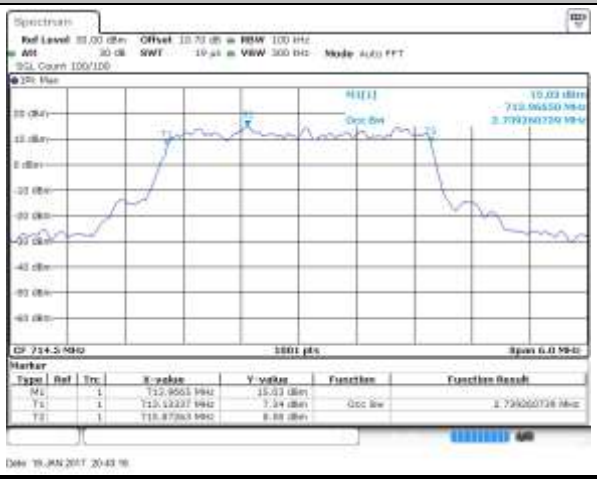
LTE Band 12	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
	

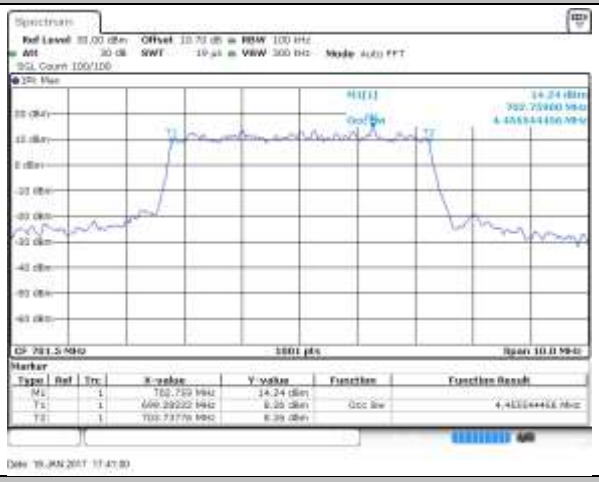
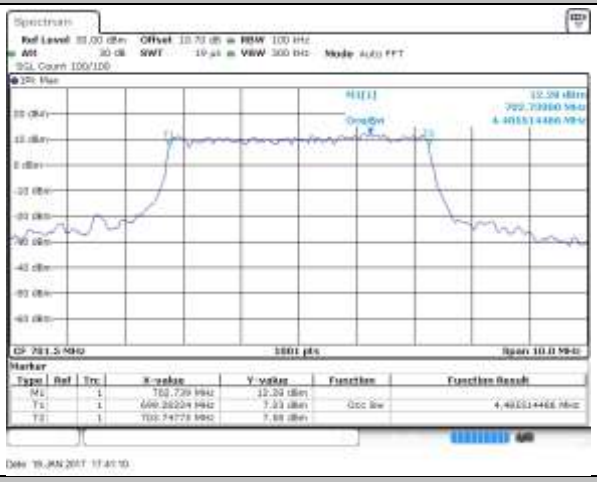
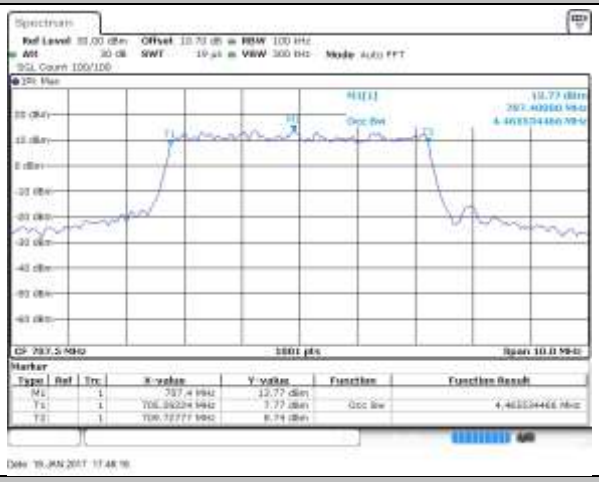
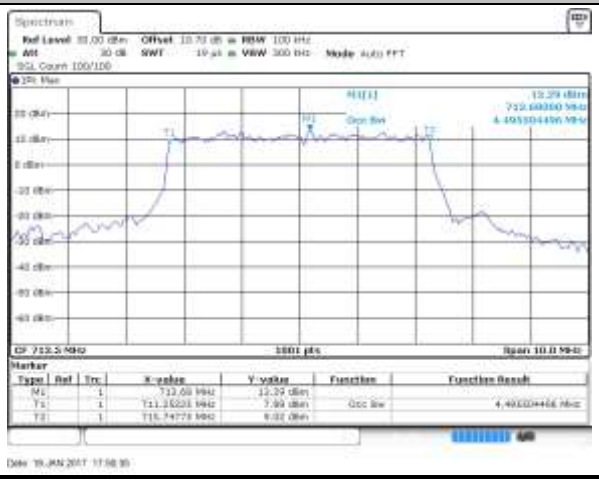
LTE Band 12	
Lowest Channel / 10MHz / QPSK	**Lowest Channel / 10MHz / 16QAM**
	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Highest Channel / 10MHz / QPSK	**Highest Channel / 10MHz / 16QAM**
	

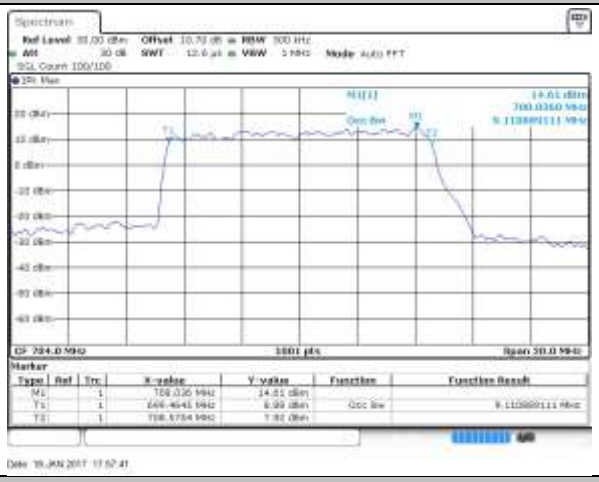
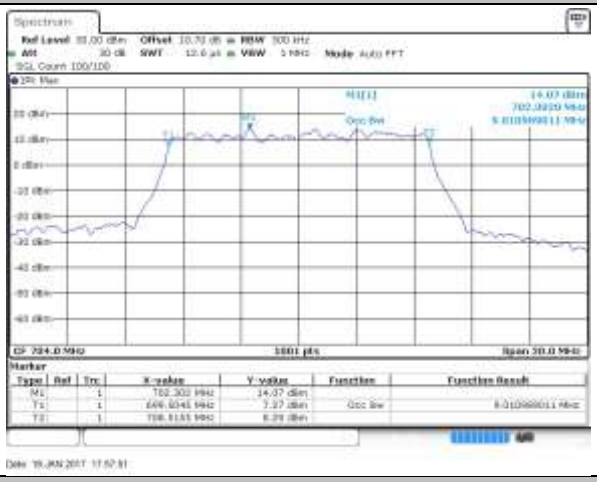
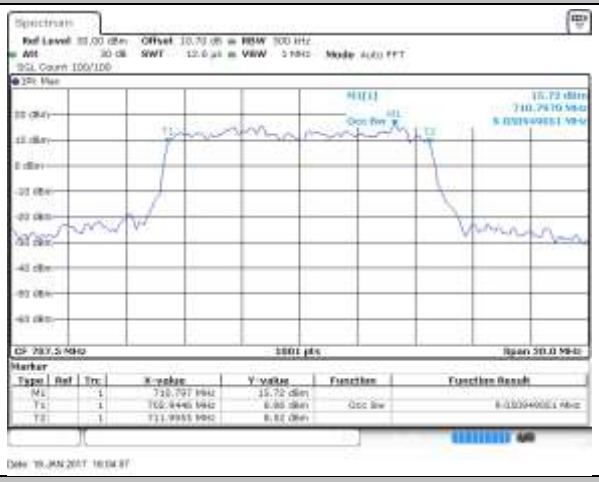
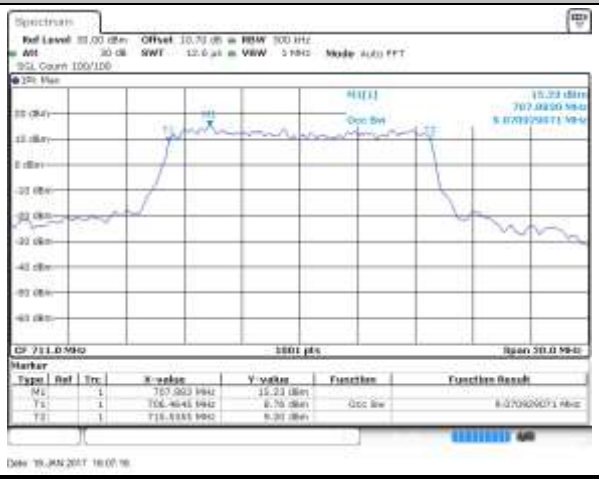
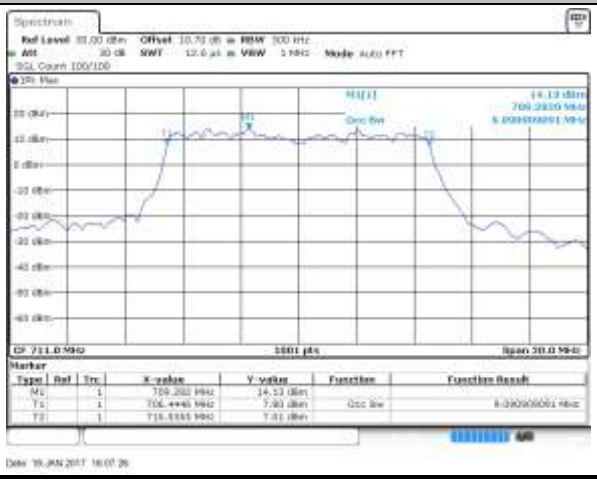
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.73	2.73	4.46	4.49	9.11	9.01	-	-	-	-
Middle CH	1.1	1.1	2.73	2.73	4.47	4.51	9.05	8.99	-	-	-	-
Highest CH	1.1	1.09	2.73	2.74	4.5	4.51	9.07	9.09	-	-	-	-

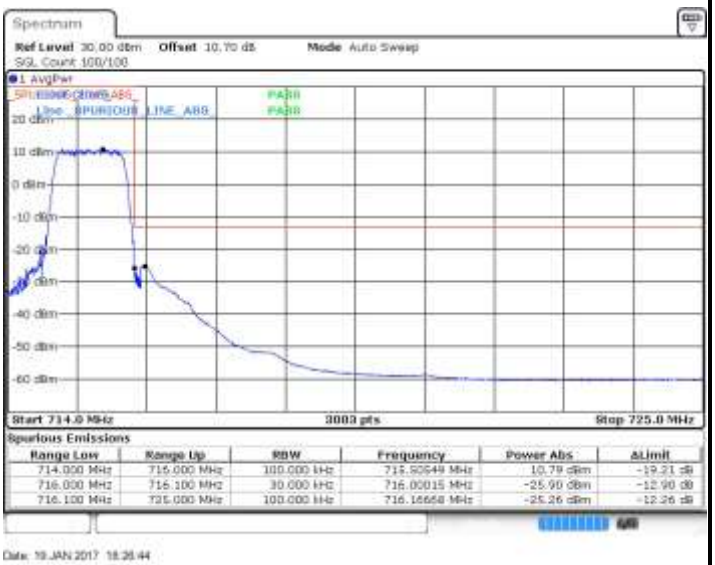
LTE Band 12	
Lowest Channel / 1.4MHz / QPSK	**Lowest Channel / 1.4MHz / 16QAM**
	
Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
	
Highest Channel / 1.4MHz / QPSK	**Highest Channel / 1.4MHz / 16QAM**
	

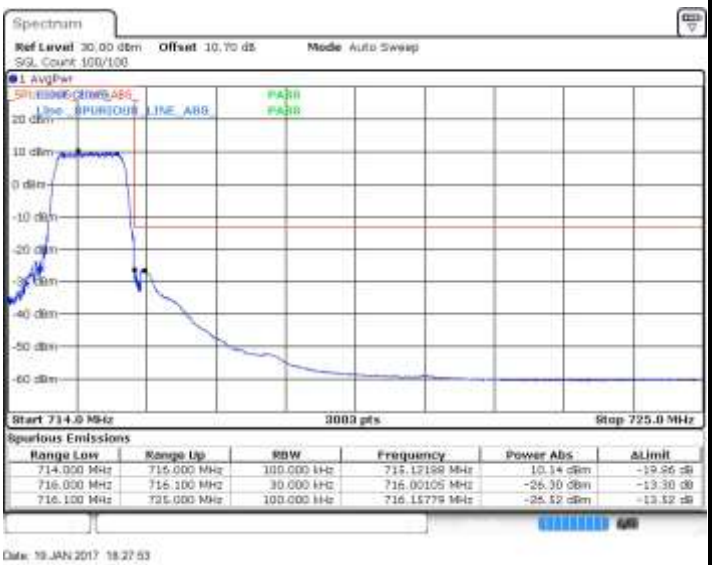
LTE Band 12	
Lowest Channel / 3MHz / QPSK	**Lowest Channel / 3MHz / 16QAM**
	
Middle Channel / 3MHz / QPSK	**Middle Channel / 3MHz / 16QAM**
	
Highest Channel / 3MHz / QPSK	**Highest Channel / 3MHz / 16QAM**
	

LTE Band 12	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
	

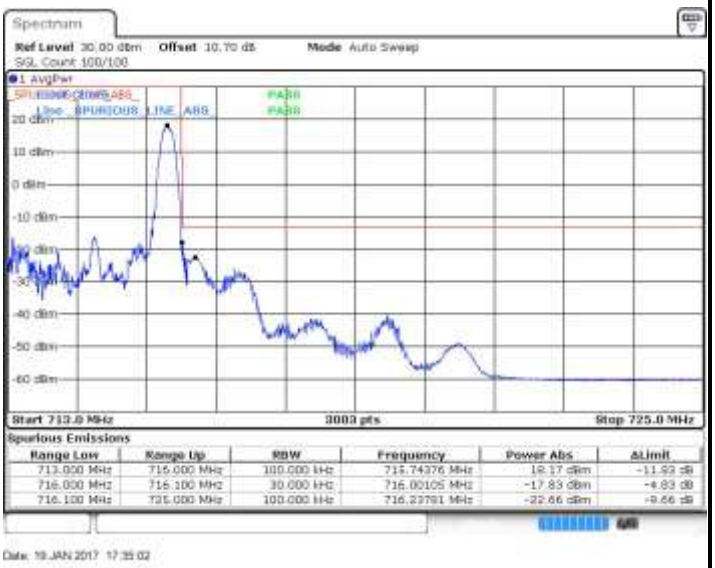
LTE Band 12	
Lowest Channel / 10MHz / QPSK	**Lowest Channel / 10MHz / 16QAM**
	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Highest Channel / 10MHz / QPSK	**Highest Channel / 10MHz / 16QAM**
	

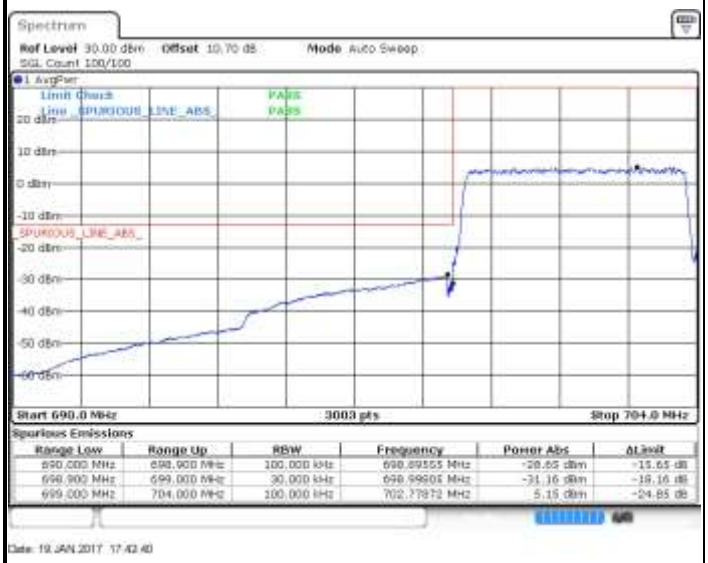
Conducted Band Edge

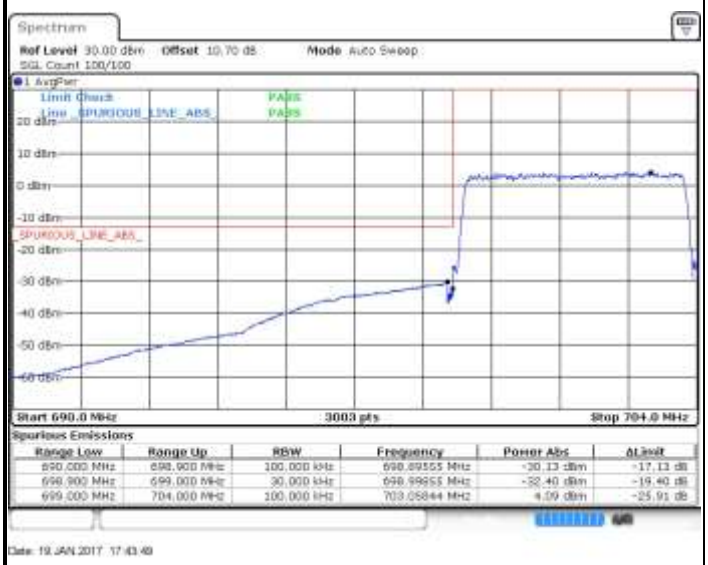
LTE Band 12 / 1.4MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

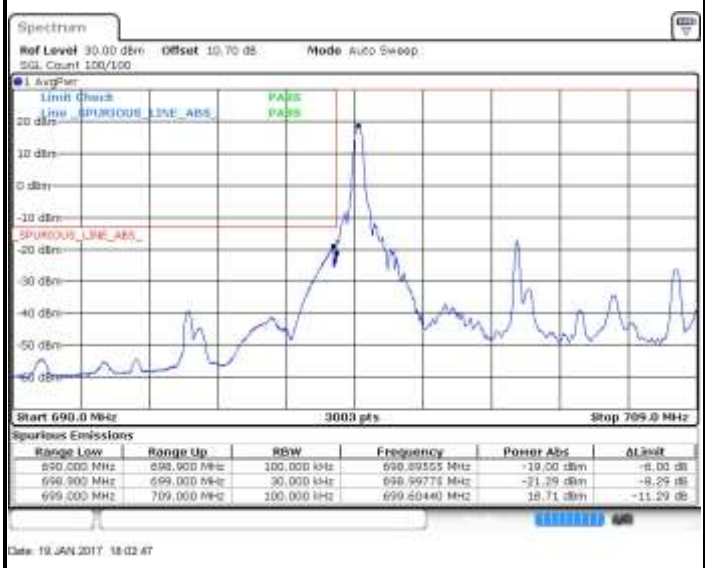
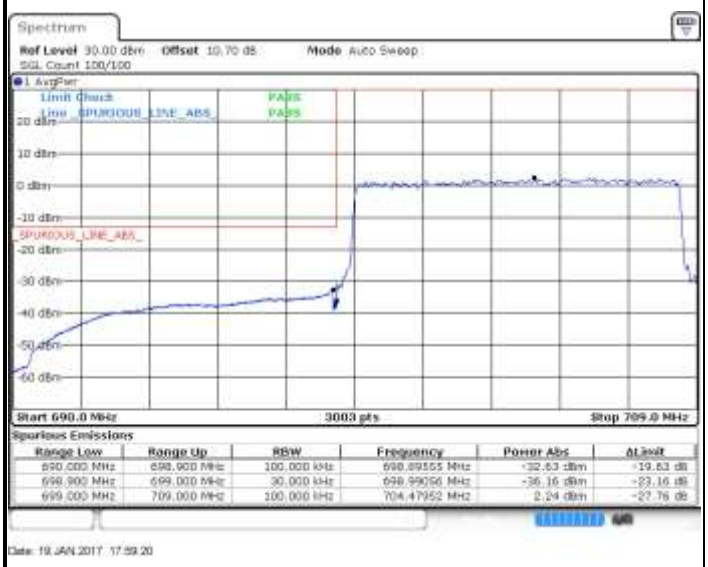
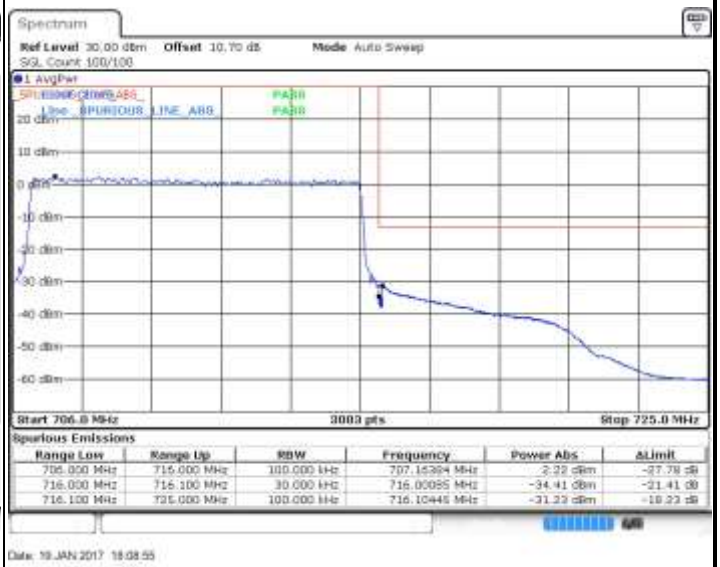
LTE Band 12 / 1.4MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

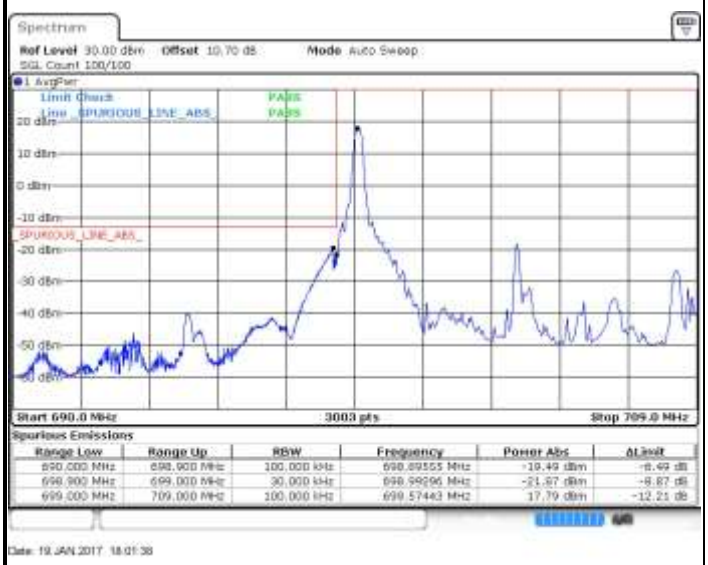
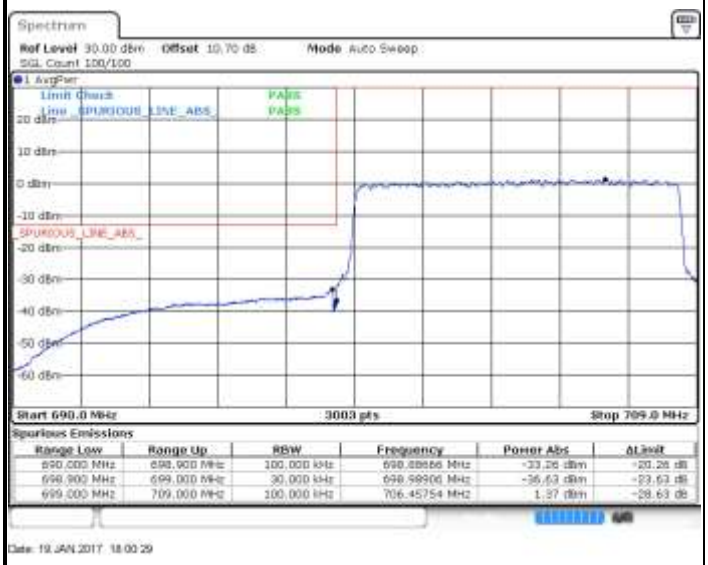
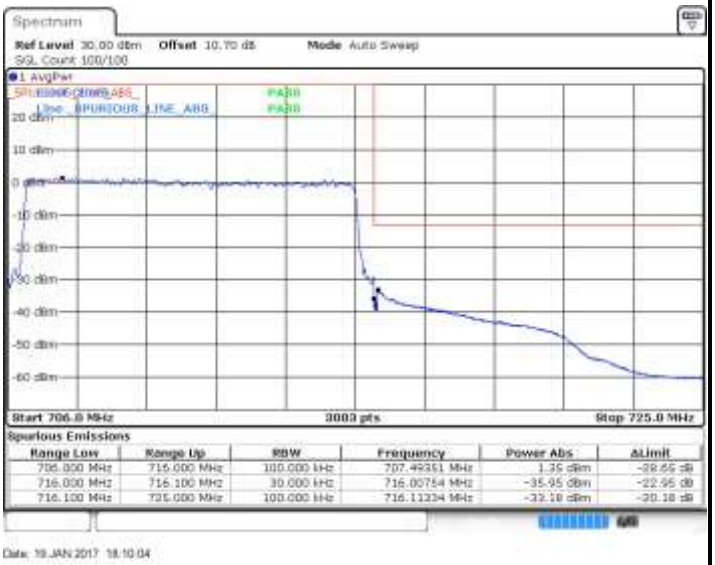
LTE Band 12 / 3MHz / QPSK	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 12 / 3MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

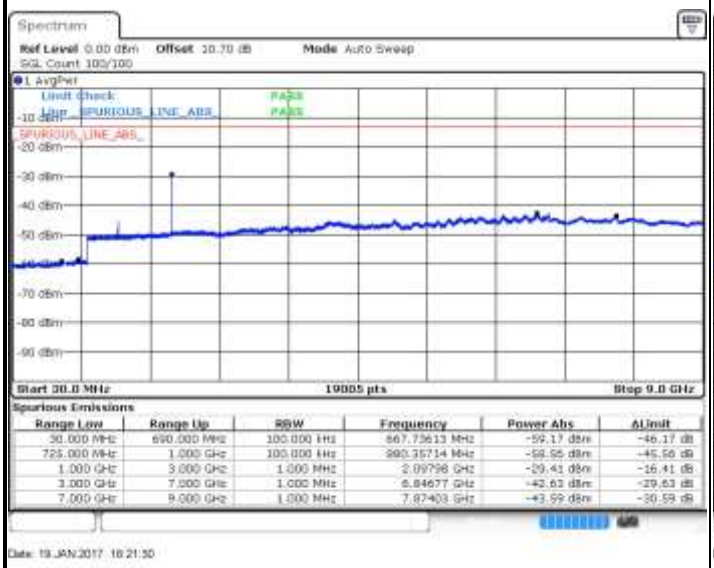
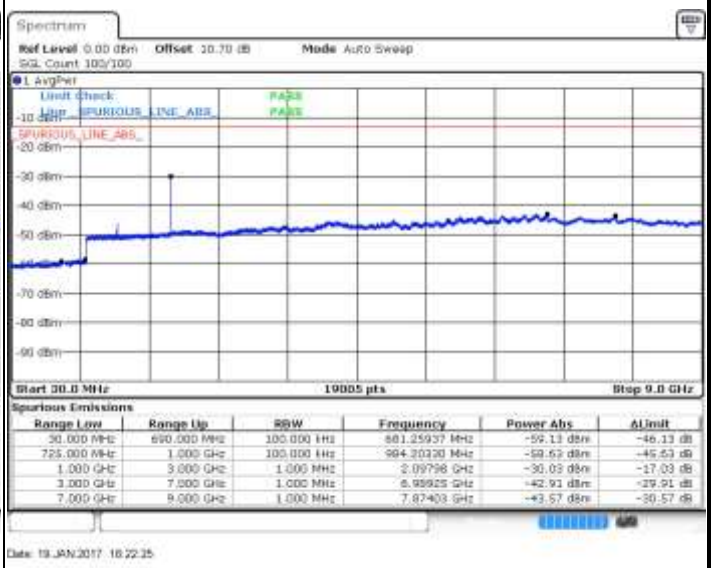
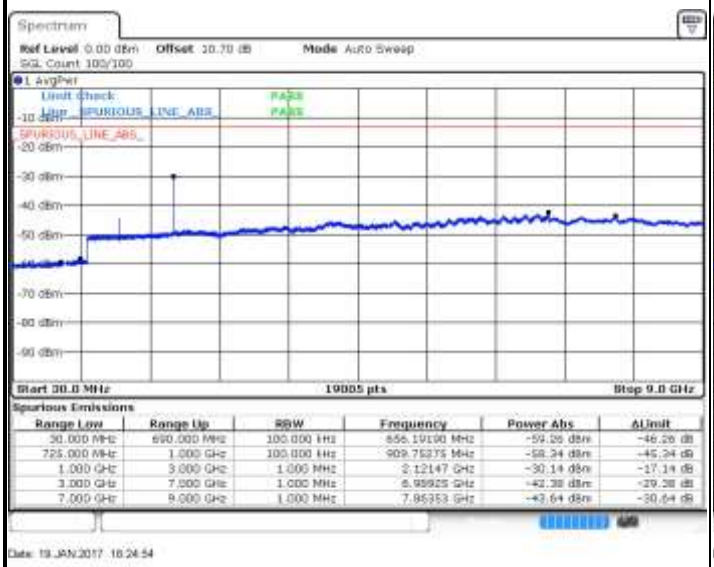
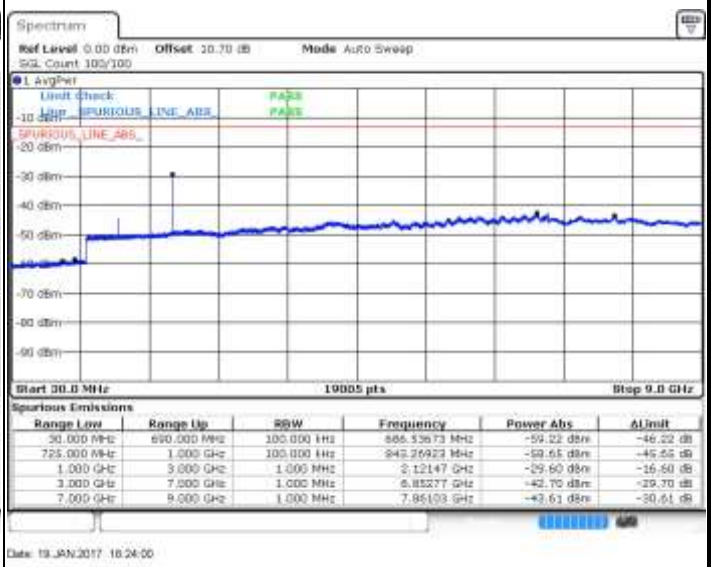
LTE Band 12 / 5MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

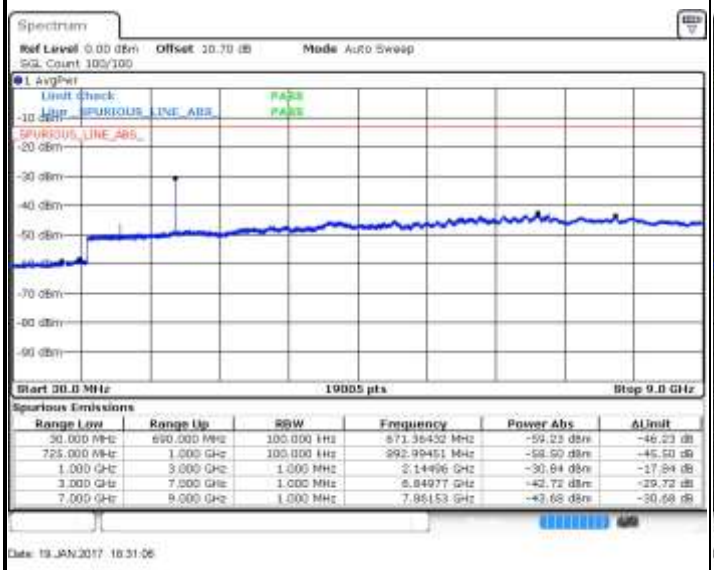
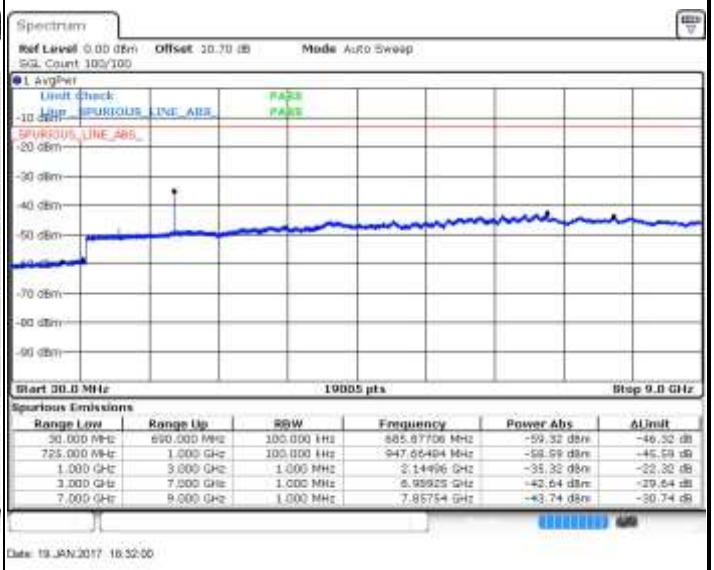
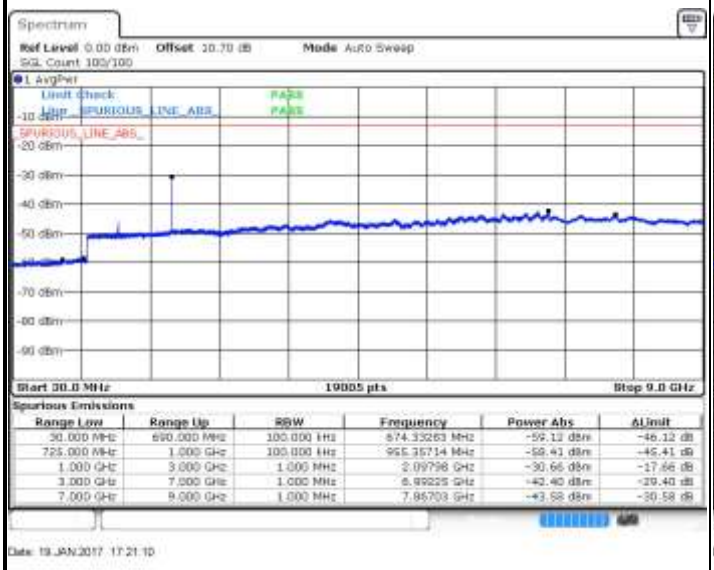
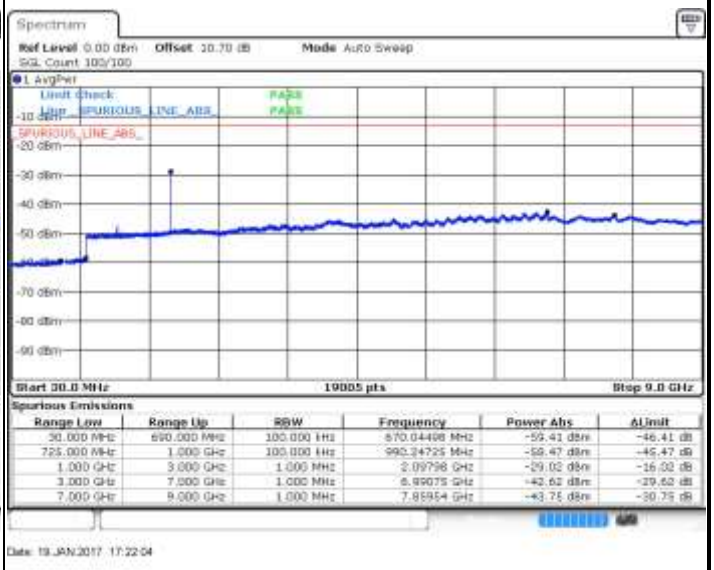
LTE Band 12 / 5MHz / 16QAM	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

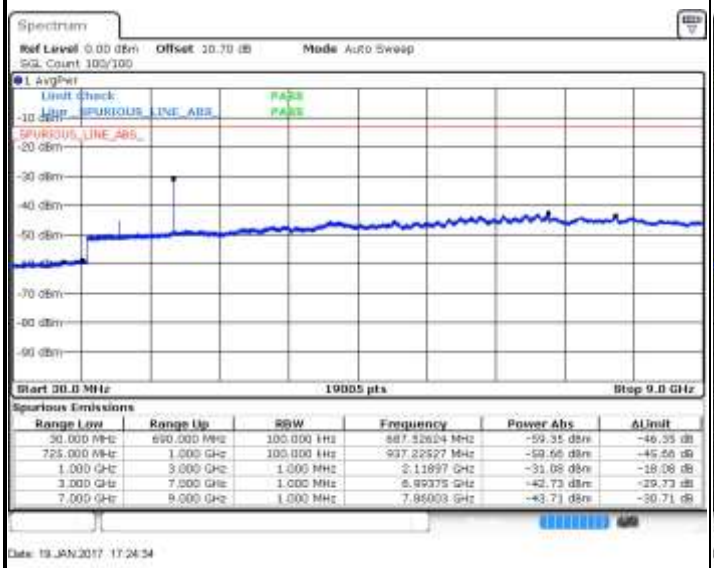
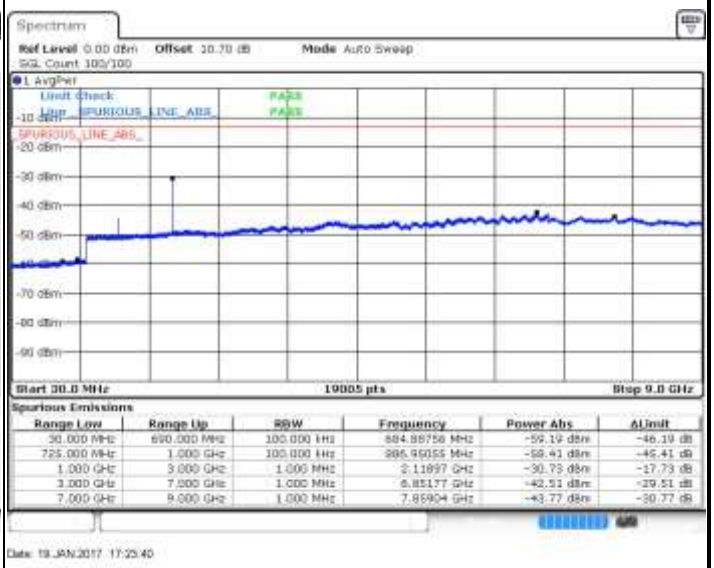
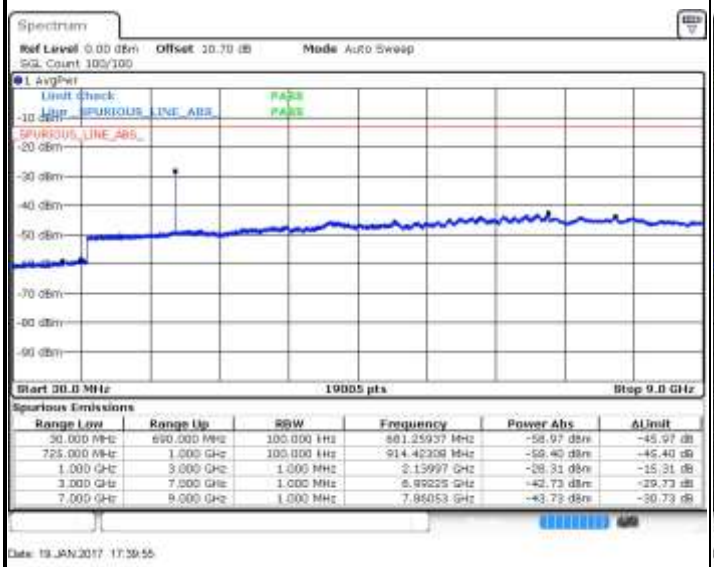
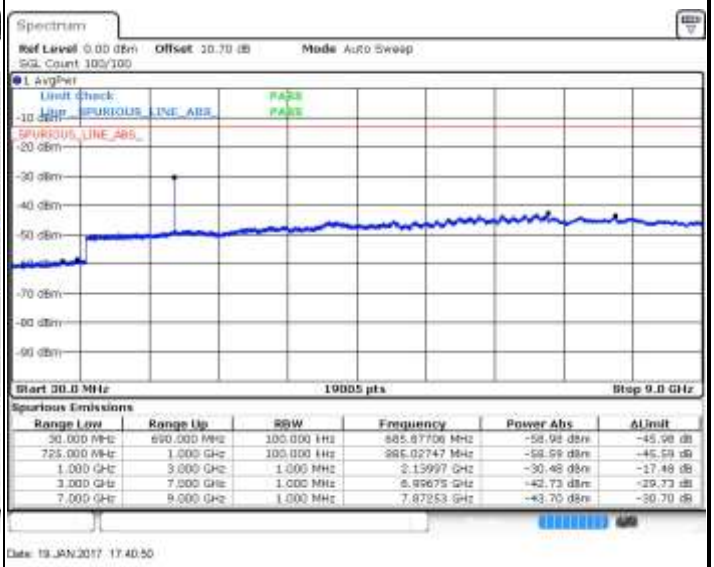
LTE Band 12 / 10MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

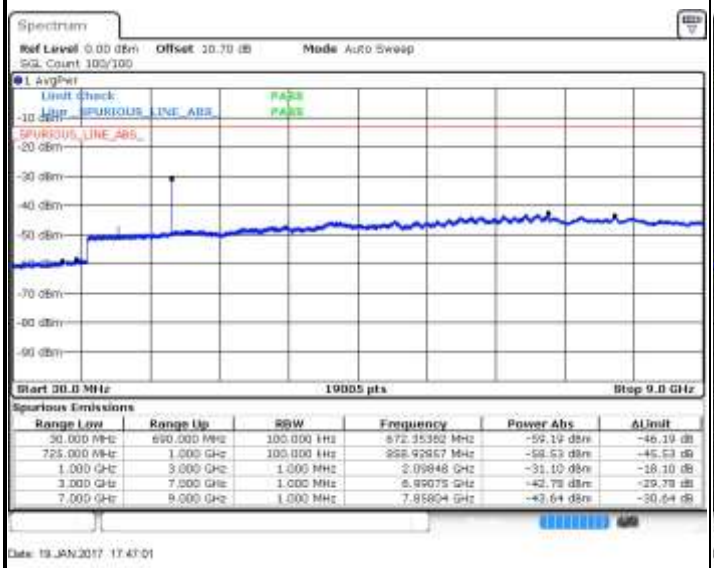
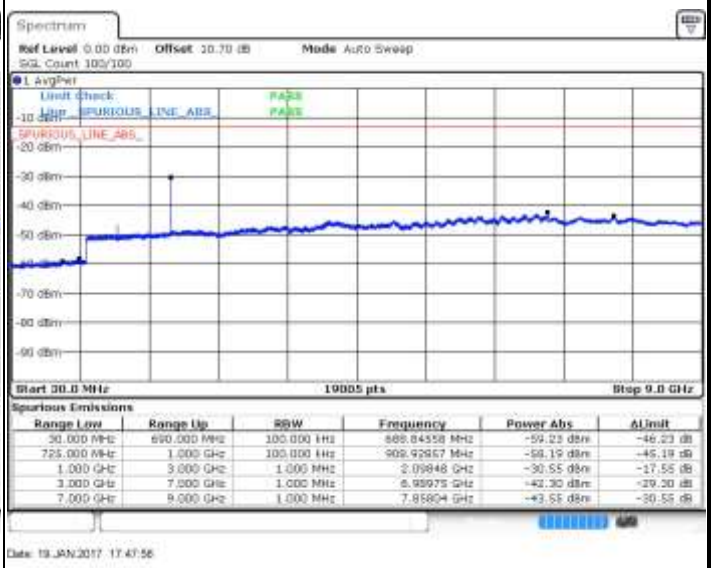
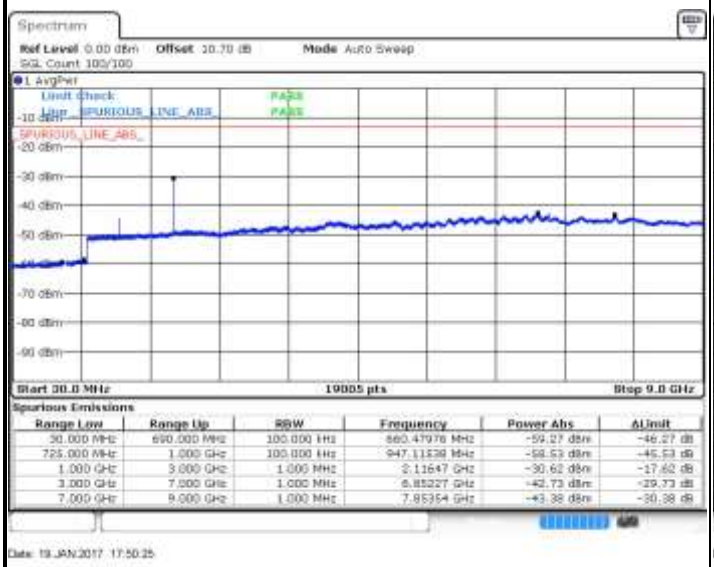
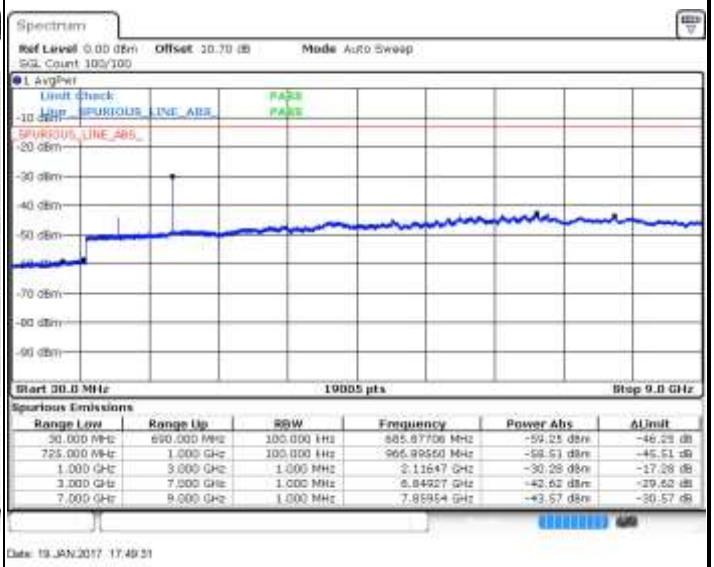
LTE Band 12 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

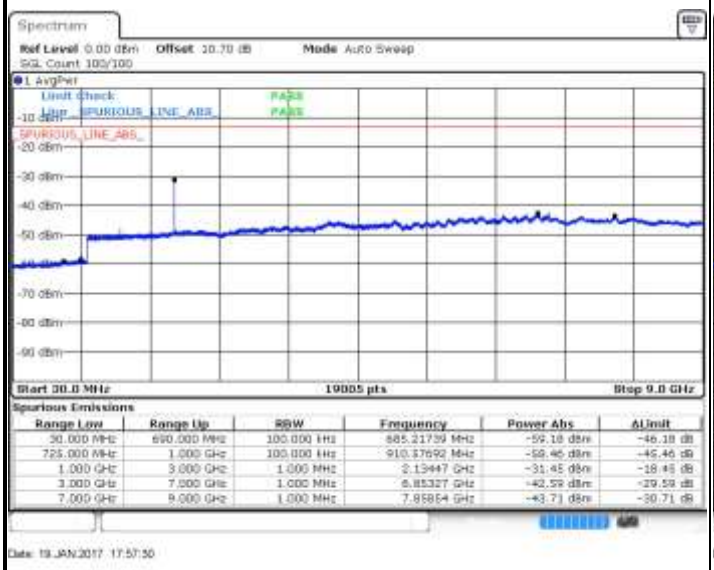
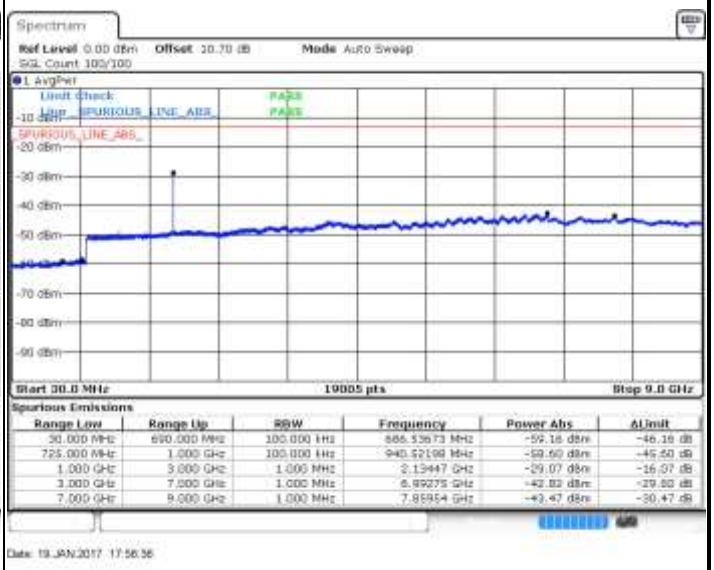
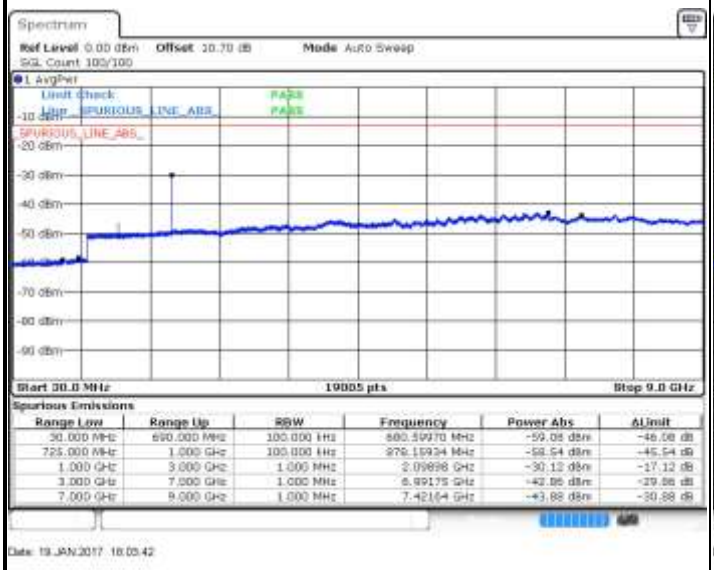
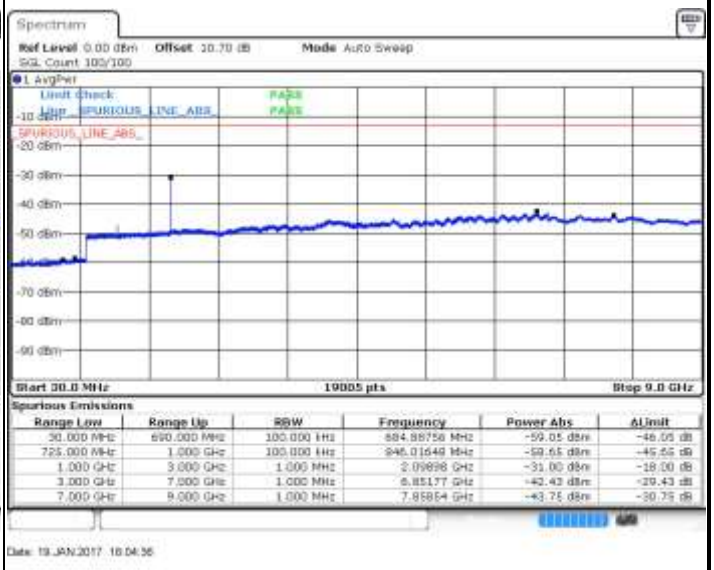
Conducted Spurious Emission

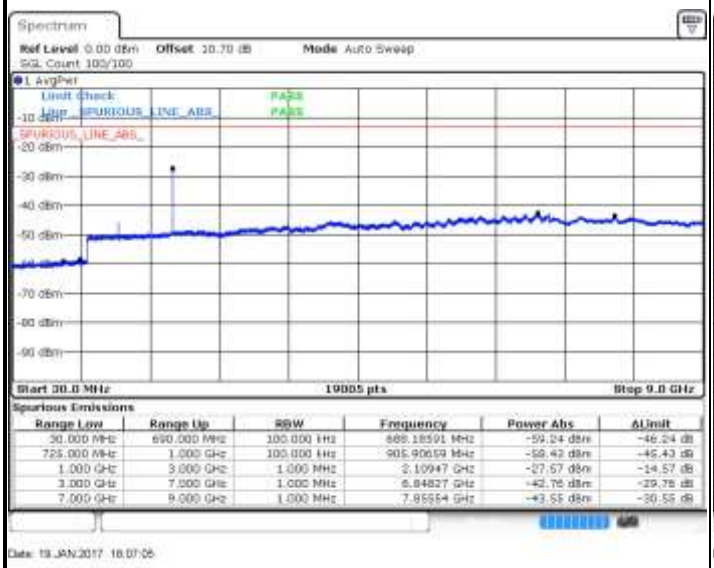
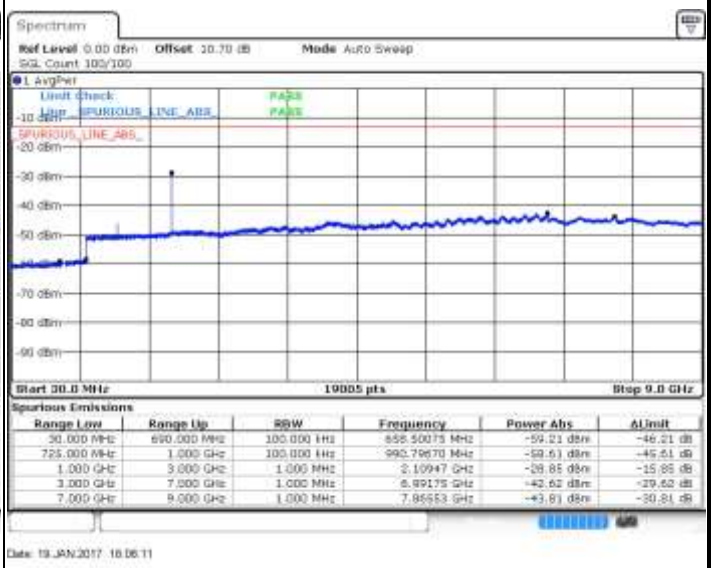
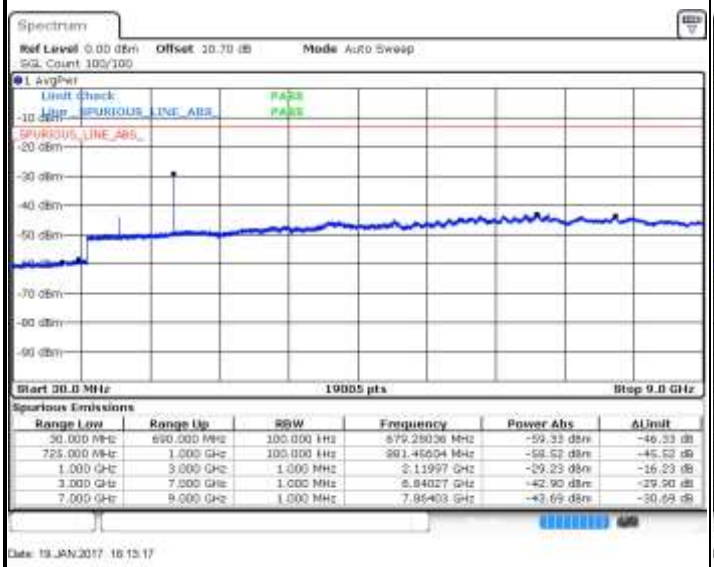
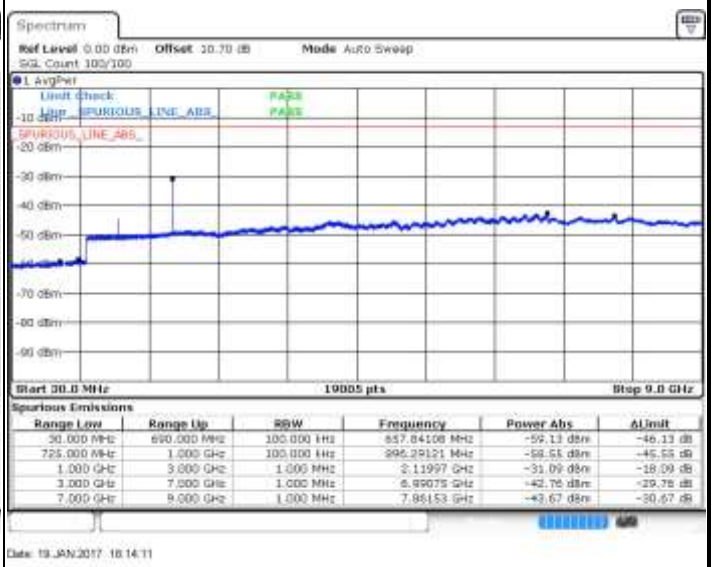
LTE Band 12 / 1.4MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	

LTE Band 12 / 1.4MHz	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	
LTE Band 12 / 3MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	

LTE Band 12 / 3MHz	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	

LTE Band 12 / 5MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	

LTE Band 12 / 5MHz	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	
LTE Band 12 / 10MHz	
Lowest Channel / QPSK	**Lowest Channel / 16QAM**
	

LTE Band 12 / 10MHz	
Middle Channel / QPSK	**Middle Channel / 16QAM**
	
Highest Channel / QPSK	**Highest Channel / 16QAM**
	

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0076	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note:

1. N ormal Voltage =3.7 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.2 V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

<Ant. 1>

LTE Band 2 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	24.16	0.2606	23.47	0.2223
Middle		3	0	23.67	0.2328	22.86	0.1932
Highest		3	0	25.04	0.3192	23.59	0.2286
Lowest	16QAM	1	3	23.49	0.2234	22.71	0.1866
Middle		1	3	23.08	0.2032	22.20	0.1660
Highest		1	3	24.45	0.2786	22.99	0.1991
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.18	0.2618	23.38	0.2178
Middle		1	0	23.61	0.2296	22.81	0.1910
Highest		1	0	24.79	0.3013	23.47	0.2223
Lowest	16QAM	1	0	23.58	0.2280	22.62	0.1828
Middle		1	0	22.96	0.1977	22.11	0.1626
Highest		1	0	24.12	0.2582	22.82	0.1914
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.32	0.2704	23.59	0.2286
Middle		1	0	23.72	0.2355	22.89	0.1945
Highest		1	0	24.79	0.3013	23.44	0.2208
Lowest	16QAM	1	0	23.74	0.2366	22.91	0.1954
Middle		1	0	23.11	0.2046	22.29	0.1694
Highest		1	0	24.07	0.2553	22.85	0.1928
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.54	0.2844	23.70	0.2344
Middle		1	0	23.94	0.2477	23.14	0.2061
Highest		1	0	24.63	0.2904	23.47	0.2223
Lowest	16QAM	1	0	23.94	0.2477	23.17	0.2075
Middle		1	0	23.17	0.2075	22.50	0.1778
Highest		1	0	24.00	0.2512	22.81	0.1910
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.83	0.3041	24.21	0.2636
Middle		1	0	23.96	0.2489	23.41	0.2193
Highest		1	0	24.88	0.3076	23.76	0.2377
Lowest	16QAM	1	0	24.15	0.2600	23.30	0.2138
Middle		1	0	23.30	0.2138	22.74	0.1879
Highest		1	0	24.36	0.2729	23.31	0.2143
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.64	0.2911	23.76	0.2377
Middle		1	0	23.92	0.2466	23.20	0.2089
Highest		1	0	24.77	0.2999	23.51	0.2244
Lowest	16QAM	1	0	23.94	0.2477	22.95	0.1972
Middle		1	0	23.20	0.2089	22.38	0.1730
Highest		1	0	24.15	0.2600	22.88	0.1941
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	23.62	0.2301	23.59	0.2286
Middle		3	0	24.10	0.2570	23.61	0.2296
Highest		3	0	23.97	0.2495	23.77	0.2382
Lowest	16QAM	1	0	22.94	0.1968	22.82	0.1914
Middle		1	0	23.70	0.2344	22.85	0.1928
Highest		1	0	23.31	0.2143	23.01	0.2000
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.54	0.2259	23.53	0.2254
Middle		1	0	24.29	0.2685	23.42	0.2198
Highest		1	0	23.99	0.2506	23.68	0.2333
Lowest	16QAM	1	0	22.80	0.1905	22.76	0.1888
Middle		1	0	23.50	0.2239	22.72	0.1871
Highest		1	0	23.15	0.2065	22.92	0.1959
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.82	0.2410	23.55	0.2265
Middle		1	0	24.46	0.2793	23.49	0.2234
Highest		1	0	24.26	0.2667	23.70	0.2344
Lowest	16QAM	1	0	23.09	0.2037	22.80	0.1905
Middle		1	0	23.76	0.2377	22.74	0.1879
Highest		1	0	23.47	0.2223	23.02	0.2004
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.03	0.2529	23.67	0.2328
Middle		1	0	24.59	0.2877	23.57	0.2275
Highest		1	0	24.42	0.2767	23.77	0.2382
Lowest	16QAM	1	0	23.12	0.2051	22.95	0.1972
Middle		1	0	23.92	0.2466	22.89	0.1945
Highest		1	0	23.55	0.2265	23.07	0.2028
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.02	0.2523	23.86	0.2432
Middle		1	0	24.73	0.2972	23.72	0.2355
Highest		1	0	24.46	0.2793	23.96	0.2489
Lowest	16QAM	1	0	23.19	0.2084	22.96	0.1977
Middle		1	0	23.99	0.2506	22.91	0.1954
Highest		1	0	23.70	0.2344	23.26	0.2118
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.89	0.2449	23.75	0.2371
Middle		1	0	24.63	0.2904	23.60	0.2291
Highest		1	0	24.13	0.2588	23.85	0.2427
Lowest	16QAM	1	0	22.94	0.1968	22.91	0.1954
Middle		1	0	23.86	0.2432	22.83	0.1919
Highest		1	0	23.30	0.2138	23.04	0.2014
Limit	EIRP < 1W			Result		PASS	

LTE Band 12 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	19.99	0.0998	20.15	0.1035
Middle		3	0	19.70	0.0933	19.38	0.0867
Highest		3	0	18.82	0.0762	18.37	0.0687
Lowest	16QAM	1	3	19.22	0.0836	19.44	0.0879
Middle		1	3	18.95	0.0785	18.56	0.0718
Highest		1	3	18.02	0.0634	17.35	0.0543
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	19.76	0.0946	19.97	0.0993
Middle		1	8	19.62	0.0916	19.44	0.0879
Highest		1	8	18.82	0.0762	18.58	0.0721
Lowest	16QAM	1	8	18.97	0.0789	19.07	0.0807
Middle		1	8	18.85	0.0767	18.49	0.0706
Highest		1	8	18.02	0.0634	17.68	0.0586
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.83	0.0962	19.80	0.0955
Middle		1	12	19.76	0.0946	19.30	0.0851
Highest		1	12	19.21	0.0834	18.70	0.0741
Lowest	16QAM	1	12	18.94	0.0783	19.08	0.0809
Middle		1	12	19.02	0.0798	18.49	0.0706
Highest		1	12	18.43	0.0697	17.95	0.0624
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	16QAM	1	0	19.81	0.0957	20.04	0.1009
Middle		1	0	19.71	0.0935	19.57	0.0906
Highest		1	0	19.49	0.0889	19.30	0.0851
Lowest	64QAM	1	25	18.90	0.0776	18.84	0.0766
Middle		1	25	18.85	0.0767	18.62	0.0728
Highest		1	25	18.65	0.0733	18.34	0.0682
Limit	ERP < 3W			Result		PASS	

<Ant. 2>

LTE Band 2 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	19.04	0.0802	19.76	0.0946
Middle		3	3	20.22	0.1052	19.84	0.0964
Highest		3	3	20.42	0.1102	20.53	0.1130
Lowest	16QAM	1	3	18.50	0.0708	19.23	0.0838
Middle		1	3	19.60	0.0912	19.16	0.0824
Highest		1	3	19.95	0.0989	19.93	0.0984
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.14	0.0820	19.81	0.0957
Middle		1	0	20.28	0.1067	19.81	0.0957
Highest		1	0	20.36	0.1086	20.44	0.1107
Lowest	16QAM	1	0	18.49	0.0706	19.02	0.0798
Middle		1	0	19.58	0.0908	19.06	0.0805
Highest		1	0	19.62	0.0916	19.65	0.0923
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest		1	0	19.23	0.0838	19.88	0.0973
Middle		1	0	20.27	0.1064	19.81	0.0957
Highest		1	0	20.37	0.1089	20.41	0.1099
Lowest	16QAM	1	0	18.54	0.0714	19.15	0.0822
Middle		1	0	18.64	0.0731	19.20	0.0832
Highest		1	0	19.63	0.0918	19.72	0.0938
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.45	0.0881	20.11	0.1026
Middle		1	0	20.43	0.1104	20.05	0.1012
Highest		1	0	20.26	0.1062	20.51	0.1125
Lowest	16QAM	1	0	18.79	0.0757	19.32	0.0855
Middle		1	0	19.74	0.0942	19.29	0.0849
Highest		1	0	19.59	0.0910	19.78	0.0951
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.64	0.0920	20.25	0.1059
Middle		1	0	20.64	0.1159	20.19	0.1045
Highest		1	0	20.33	0.1079	20.58	0.1143
Lowest	16QAM	1	0	18.33	0.0681	19.63	0.0918
Middle		1	0	19.37	0.0865	19.21	0.0834
Highest		1	0	19.33	0.0857	19.80	0.0955
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.07	0.0807	20.25	0.1059
Middle		1	0	20.10	0.1023	19.96	0.0991
Highest		1	0	19.77	0.0948	20.30	0.1072
Lowest	16QAM	1	0	18.50	0.0708	19.34	0.0859
Middle		1	0	19.52	0.0895	19.31	0.0853
Highest		1	0	19.06	0.0805	19.64	0.0920
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	20.95	0.1245	20.89	0.1227
Middle		3	0	20.40	0.1096	21.55	0.1429
Highest		3	0	21.16	0.1306	21.65	0.1462
Lowest	16QAM	1	3	20.17	0.1040	20.20	0.1047
Middle		1	3	19.69	0.0931	20.85	0.1216
Highest		1	3	20.52	0.1127	20.93	0.1239
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.04	0.1271	20.97	0.1250
Middle		1	0	20.70	0.1175	21.50	0.1413
Highest		1	0	21.32	0.1355	21.72	0.1486
Lowest	16QAM	1	0	20.15	0.1035	20.31	0.1074
Middle		1	0	19.95	0.0989	20.73	0.1183
Highest		1	0	20.63	0.1156	20.90	0.1230
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.00	0.1259	20.98	0.1253
Middle		1	0	20.75	0.1189	21.47	0.1403
Highest		1	0	21.30	0.1349	21.67	0.1469
Lowest	16QAM	1	0	20.39	0.1094	20.36	0.1086
Middle		1	0	19.95	0.0989	20.84	0.1213
Highest		1	0	20.62	0.1153	20.92	0.1236
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.28	0.1343	21.21	0.1321
Middle		1	0	20.99	0.1256	21.69	0.1476
Highest		1	0	21.66	0.1466	21.83	0.1524
Lowest	16QAM	1	0	20.34	0.1081	20.25	0.1059
Middle		1	0	20.04	0.1009	20.62	0.1153
Highest		1	0	20.70	0.1175	21.03	0.1268
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.10	0.1288	21.12	0.1294
Middle		1	0	20.76	0.1191	21.48	0.1406
Highest		1	0	21.54	0.1426	21.79	0.1510
Lowest	16QAM	1	0	20.22	0.1052	20.16	0.1038
Middle		1	0	20.07	0.1016	20.65	0.1161
Highest		1	0	20.72	0.1180	21.10	0.1288
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.48	0.1406	21.04	0.1271
Middle		1	0	21.03	0.1268	21.49	0.1409
Highest		1	0	21.58	0.1439	21.82	0.1521
Lowest	16QAM	1	0	20.36	0.1086	20.31	0.1074
Middle		1	0	20.09	0.1021	20.45	0.1109
Highest		1	0	20.69	0.1172	20.82	0.1208
Limit	EIRP < 1W			Result		PASS	

LTE Band 12 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	19.90	0.0977	19.95	0.0989
Middle		3	0	19.58	0.0908	19.35	0.0861
Highest		3	0	18.86	0.0769	18.53	0.0713
Lowest	16QAM	1	3	19.16	0.0824	19.16	0.0824
Middle		1	3	18.70	0.0741	18.58	0.0721
Highest		1	3	18.02	0.0634	17.77	0.0598
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	19.83	0.0962	19.82	0.0959
Middle		1	8	19.45	0.0881	19.27	0.0845
Highest		1	8	18.76	0.0752	18.55	0.0716
Lowest	16QAM	1	8	19.12	0.0817	19.08	0.0809
Middle		1	8	18.61	0.0726	18.55	0.0716
Highest		1	8	17.97	0.0627	17.82	0.0605
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.79	0.0953	19.77	0.0948
Middle		1	12	19.62	0.0916	19.30	0.0851
Highest		1	12	19.14	0.0820	18.67	0.0736
Lowest	16QAM	1	12	19.05	0.0804	18.88	0.0773
Middle		1	12	18.85	0.0767	18.49	0.0706
Highest		1	12	18.47	0.0703	17.90	0.0617
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	19.76	0.0946	19.74	0.0942
Middle		1	0	19.62	0.0916	19.45	0.0881
Highest		1	0	19.47	0.0885	19.21	0.0834
Lowest	16QAM	1	0	18.89	0.0774	18.70	0.0741
Middle		1	0	18.70	0.0741	18.51	0.0710
Highest		1	0	18.53	0.0713	18.21	0.0662
Limit	ERP < 3W			Result		PASS	

Radiated Spurious Emission

<Ant. 1>

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-51.97	-13	-38.97	-72.79	-58.54	1.67	8.24	H
	5555	-51.96	-13	-38.96	-78.93	-59.03	2.66	9.72	H
	7403	-46.78	-13	-33.78	-80.32	-55.93	2.46	11.61	H
									H
									H
									H
									H
	3700	-56.00	-13	-43.00	-76.82	-62.57	1.67	8.24	V
	5555	-51.13	-13	-38.13	-78.1	-58.2	2.66	9.72	V
	7403	-47.39	-13	-34.39	-80.93	-56.54	2.46	11.61	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3448	-51.86	-13	-38.86	-72.25	-58.04	1.59	7.77	H
	5170	-49.39	-13	-36.39	-75.36	-56.66	2.43	9.70	H
	6892	-48.19	-13	-35.19	-80.66	-56.24	2.63	10.67	H
									H
									H
									H
									H
	3448	-53.18	-13	-40.18	-73.57	-59.36	1.59	7.77	V
	5170	-45.36	-13	-32.36	-71.33	-52.63	2.43	9.70	V
	6892	-48.42	-13	-35.42	-80.89	-56.47	2.63	10.67	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12

LTE Band 12 / 10MHz / 16QAM									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-55.71	-13.00	-42.71	-67.96	-57.42	0.87	4.73	H
	2112	-36.76	-13.00	-23.76	-51.60	-37.68	1.17	4.24	H
	5664	-50.94	-13.00	-37.94	-78.20	-55.84	2.72	9.77	H
									H
									H
									H
									H
	1408	-55.84	-13.00	-42.84	-68.09	-57.55	0.87	4.73	V
	2112	-36.60	-13.00	-23.60	-51.44	-37.52	1.17	4.24	V
	5664	-50.10	-13.00	-37.10	-77.36	-55.00	2.72	9.77	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

<Ant. 2>

LTE Band 2

LTE Band 2 / 20MHz / 16QAM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	3784	-53.52	-13	-40.52	-74.45	-60.17	1.69	8.34	H
	5674	-49.34	-13	-36.34	-76.66	-56.38	2.73	9.77	H
	7564	-46.65	-13	-33.65	-80.44	-56.08	2.41	11.84	H
									H
									H
									H
									H
	3784	-50.99	-13	-37.99	-71.92	-57.64	1.69	8.34	V
	5674	-49.66	-13	-36.66	-76.98	-56.7	2.73	9.77	V
	7564	-46.78	-13	-33.78	-80.57	-56.21	2.41	11.84	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4

LTE Band 4 / 20MHz / 16QAM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3448	-56.76	-13	-43.76	-77.15	-62.94	1.59	7.77	H
	5170	-52.72	-13	-39.72	-78.69	-59.99	2.43	9.70	H
	6892	-48.46	-13	-35.46	-80.93	-56.51	2.63	10.67	H
									H
									H
									H
									H
	3448	-57.86	-13	-44.86	-78.25	-64.04	1.59	7.77	V
	5170	-47.68	-13	-34.68	-73.65	-54.95	2.43	9.70	V
	6892	-48.33	-13	-35.33	-80.8	-56.38	2.63	10.67	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12

LTE Band 12 / 10MHz / 16QAM									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-55.05	-13.00	-42.05	-67.30	-56.76	0.87	4.73	H
	2112	-39.90	-13.00	-26.90	-54.74	-40.82	1.17	4.24	H
	5664	-50.63	-13.00	-37.63	-77.89	-55.53	2.72	9.77	H
									H
									H
									H
									H
	1408	-52.38	-13.00	-39.38	-64.63	-54.09	0.87	4.73	V
	2112	-37.75	-13.00	-24.75	-52.59	-38.67	1.17	4.24	V
	5664	-49.63	-13.00	-36.63	-76.89	-54.53	2.72	9.77	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.