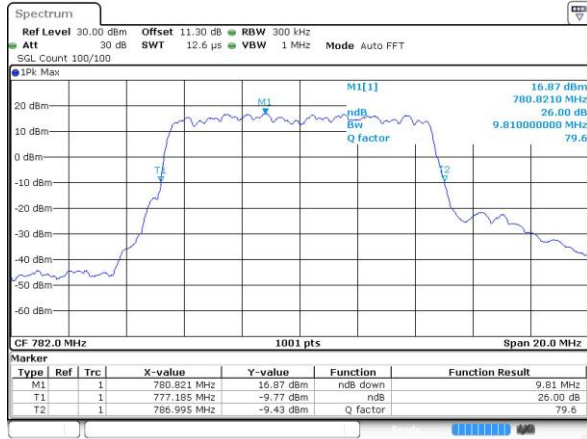


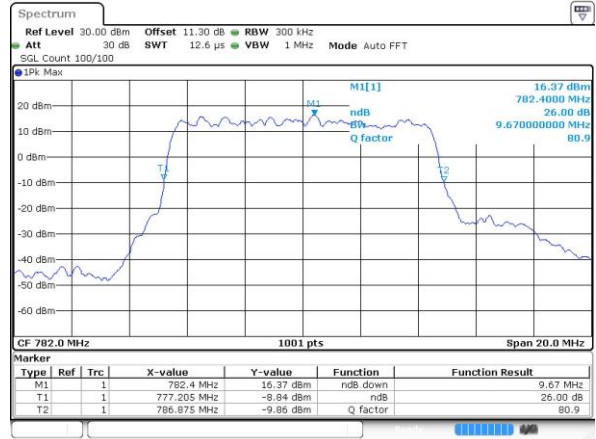


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



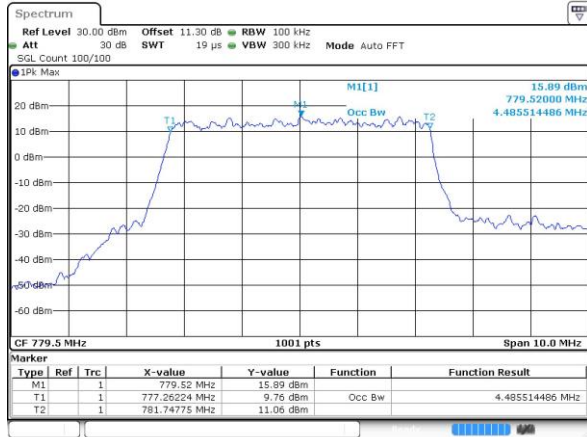
**Occupied Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	4.49	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.5	9.01	8.93	-	-	-	-
Highest CH	-	-	-	-	4.5	4.5	-	-	-	-	-	-

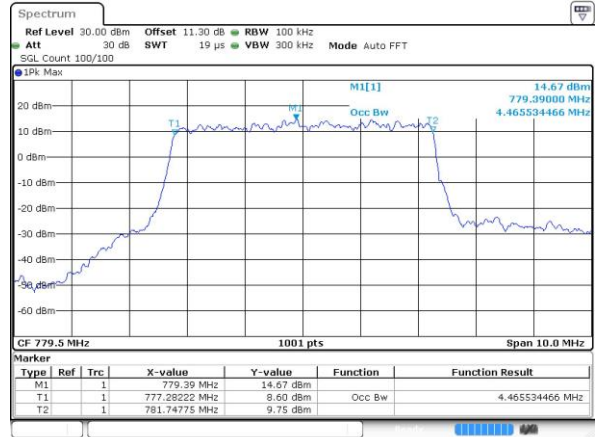


LTE Band 13

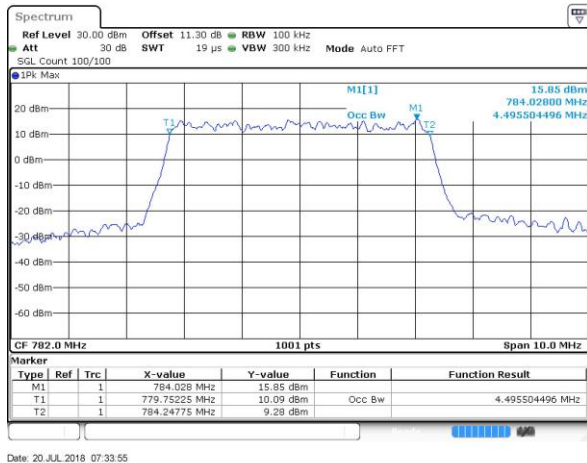
Lowest Channel / 5MHz / QPSK



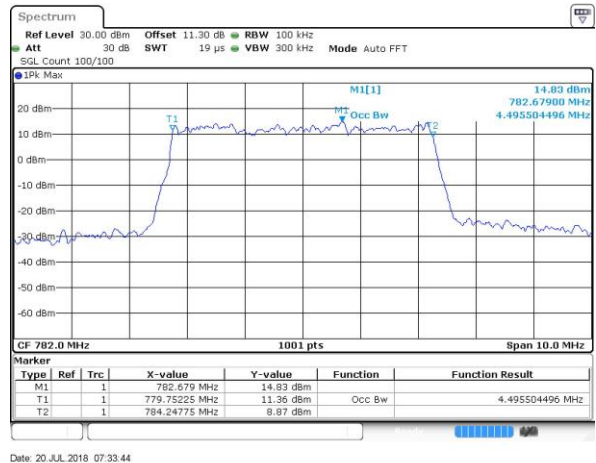
Lowest Channel / 5MHz / 16QAM



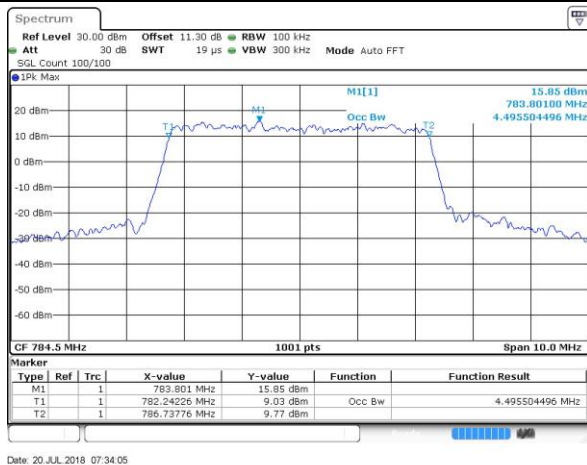
Middle Channel / 5MHz / QPSK



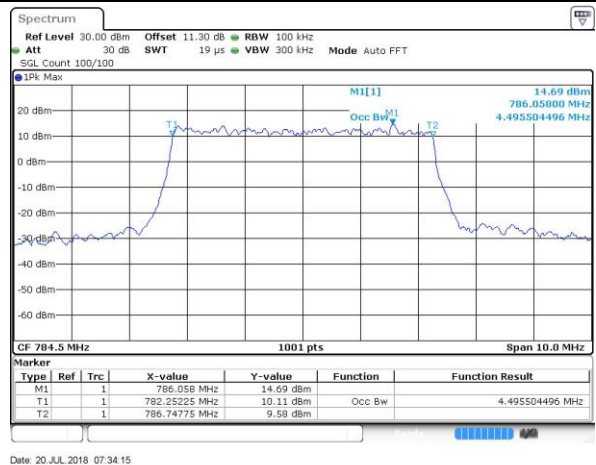
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



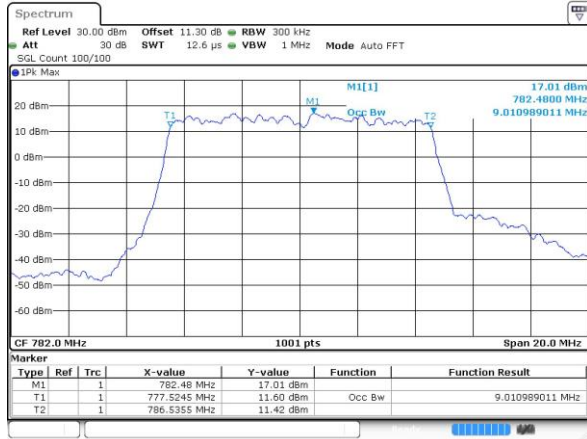
Highest Channel / 5MHz / 16QAM



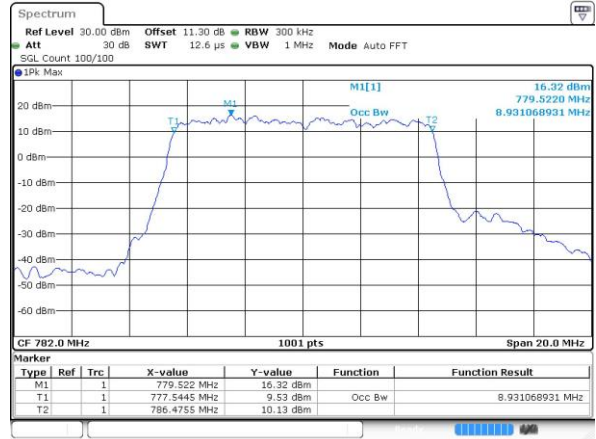


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



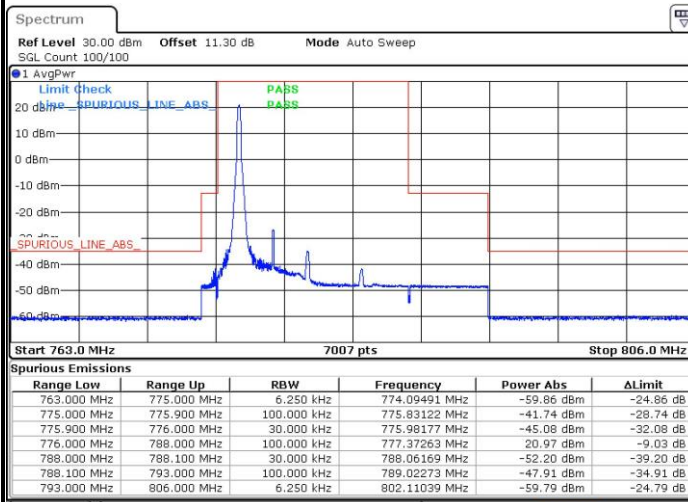


Conducted Band Edge



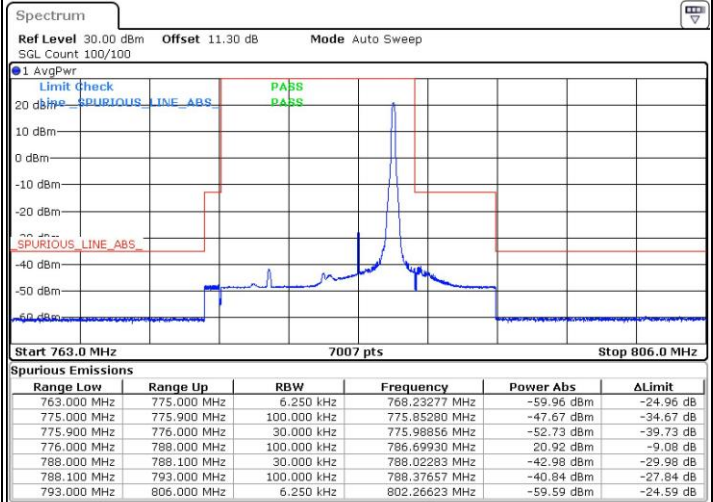
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



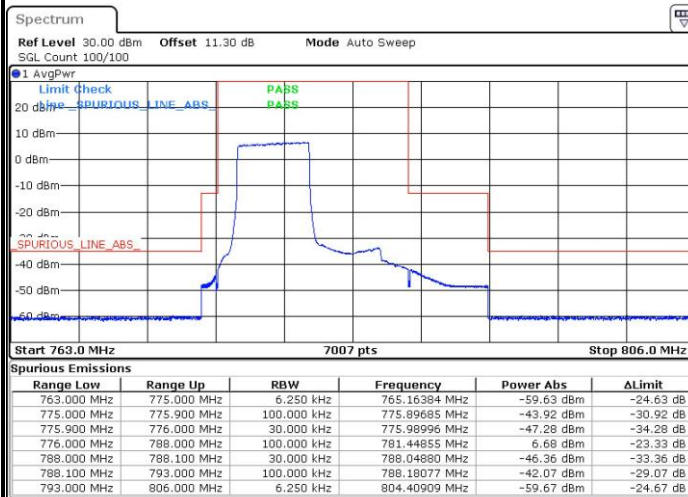
Date: 20 JUL 2018 07:29:39

Highest Band Edge / 1 RB



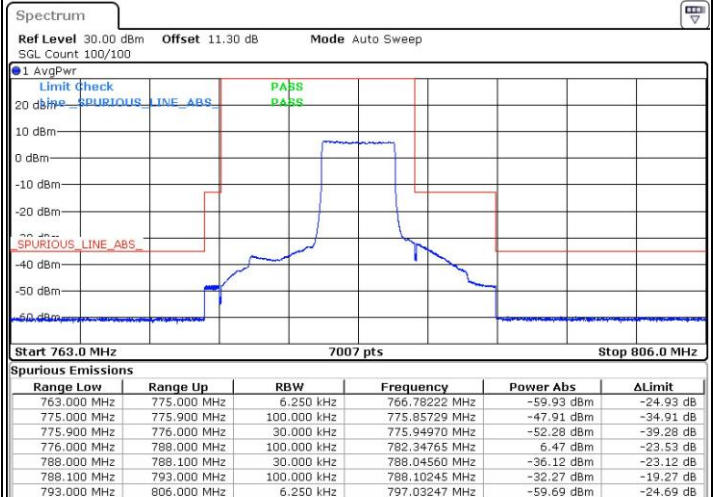
Date: 20 JUL 2018 07:41:06

Lowest Band Edge / Full RB



Date: 20 JUL 2018 07:24:46

Highest Band Edge / Full RB

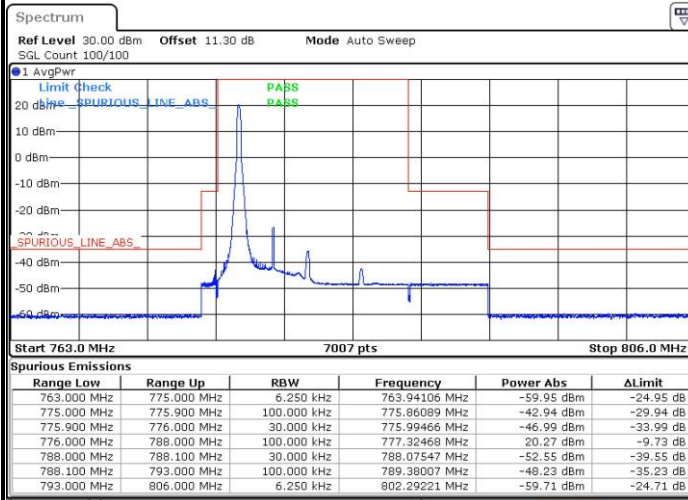


Date: 20 JUL 2018 07:36:13

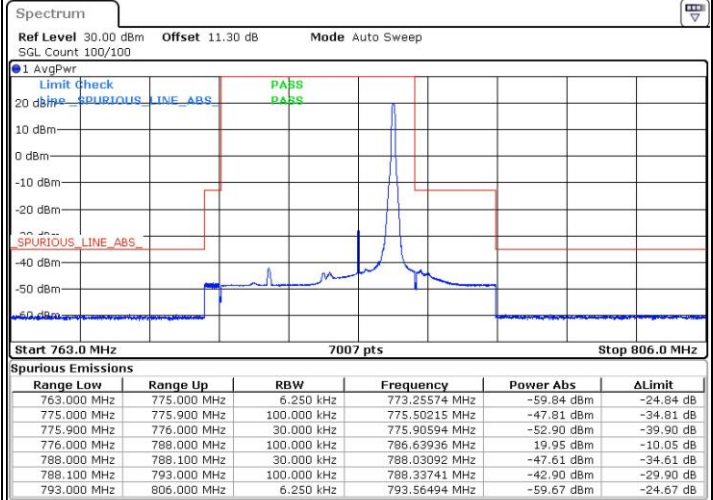


LTE Band 13 / 5MHz / 16QAM

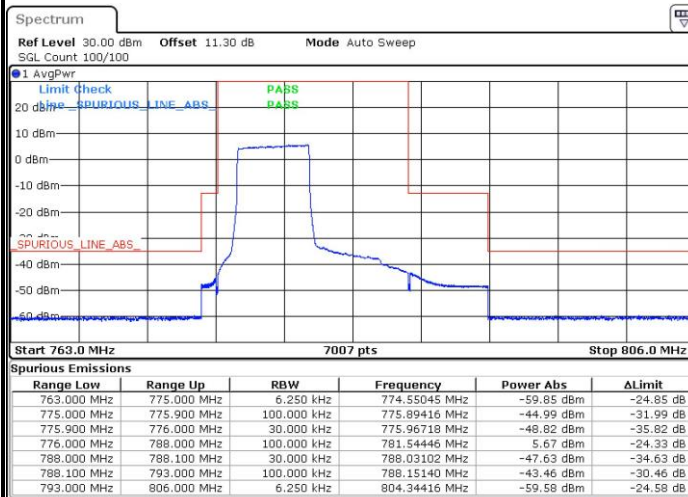
Lowest Band Edge / 1 RB



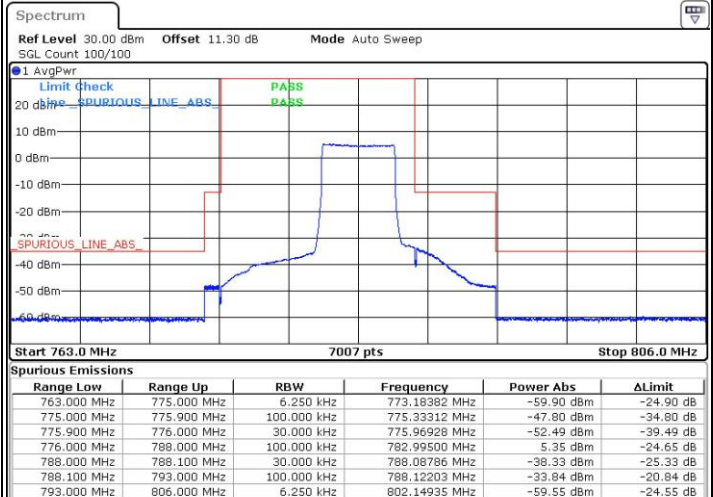
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



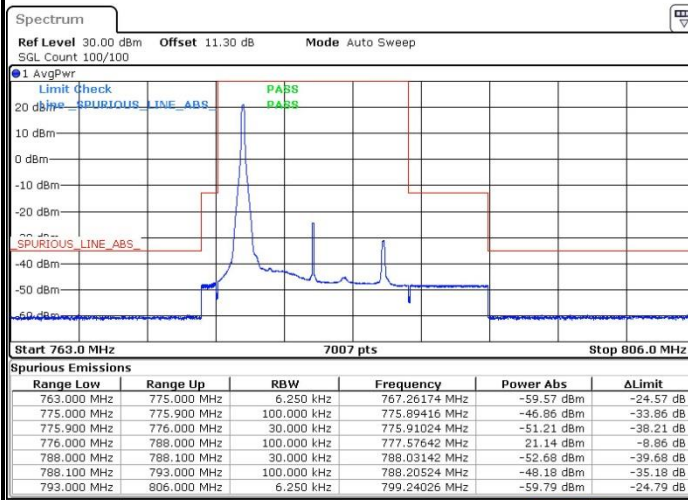
Highest Band Edge / Full RB





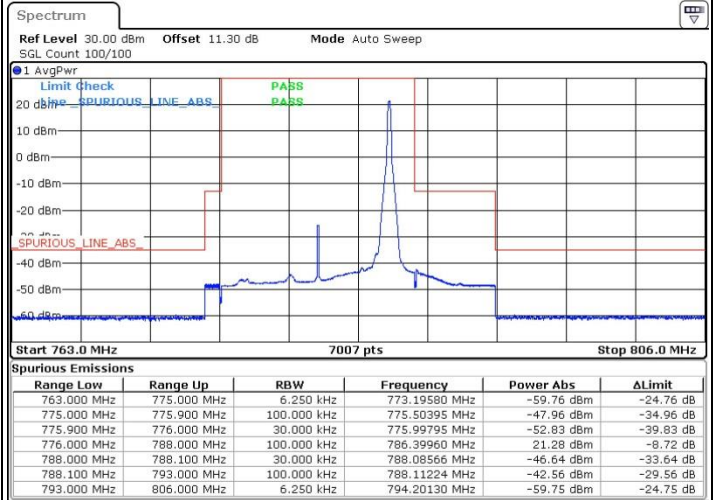
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



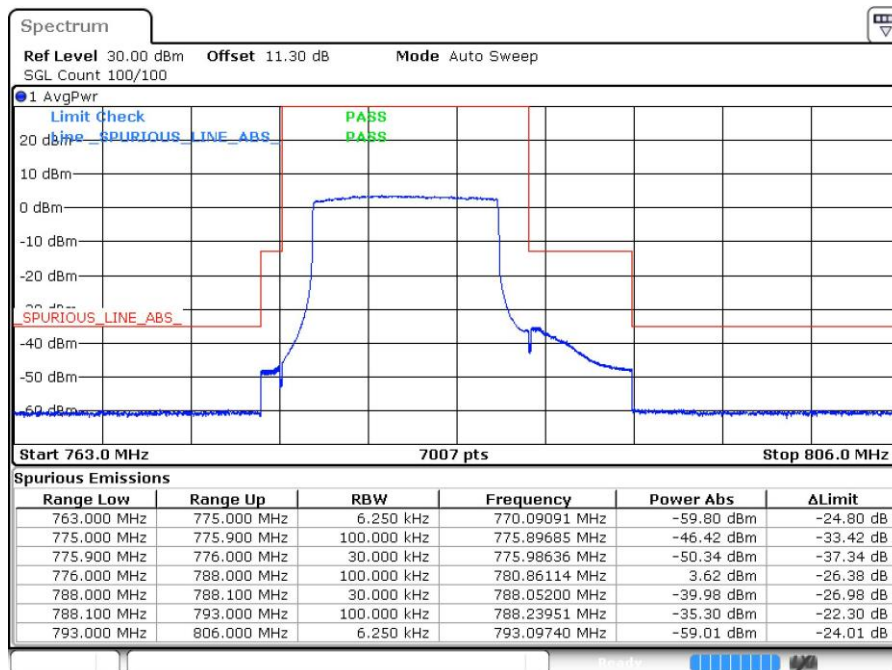
Date: 20 JUL 2018 07:51:49

Highest Band Edge / 1 RB



Date: 20 JUL 2018 07:53:27

Band Edge / Full RB

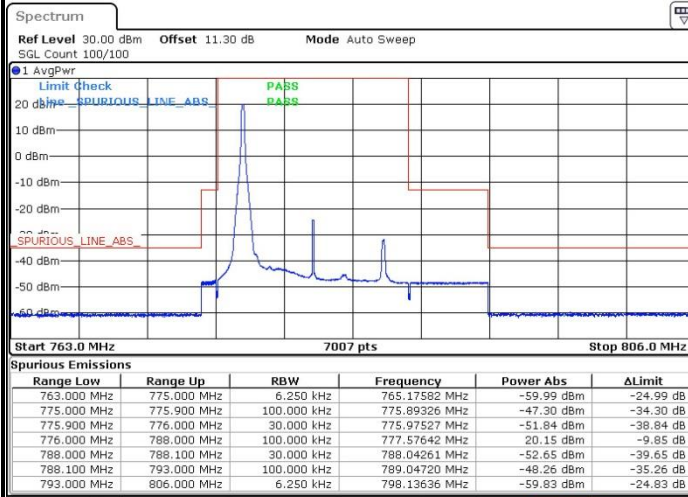


Date: 20 JUL 2018 07:46:56



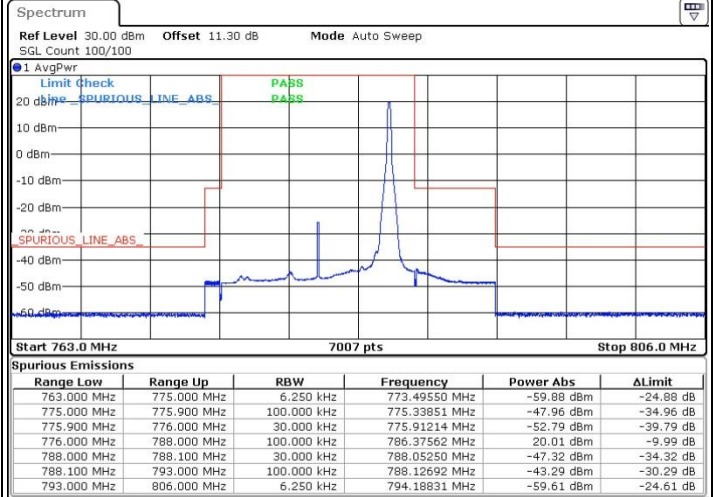
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



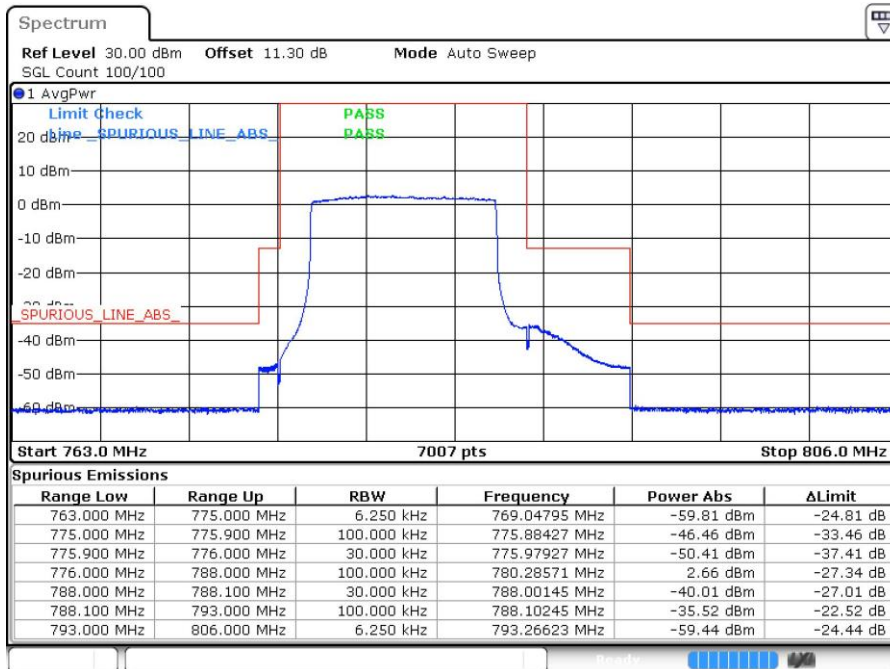
Date: 20 JUL 2018 07:50:12

Highest Band Edge / 1 RB



Date: 20 JUL 2018 07:55:05

Band Edge / Full RB

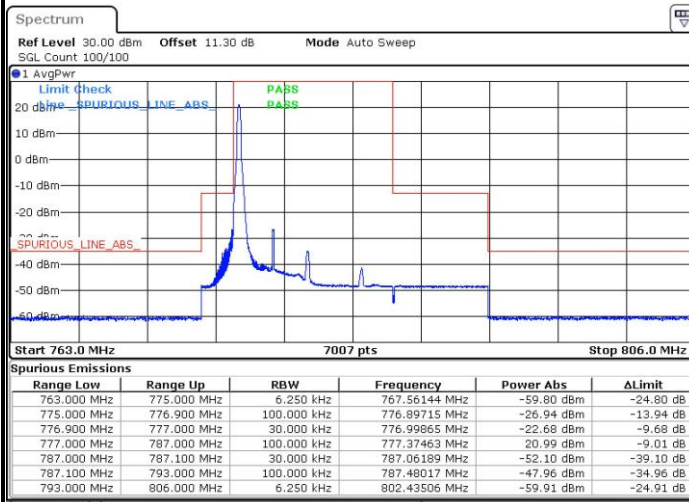


Date: 20 JUL 2018 07:48:34



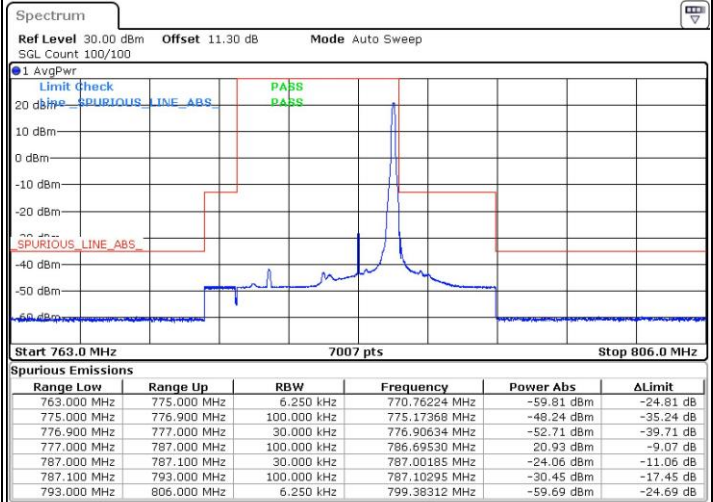
IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



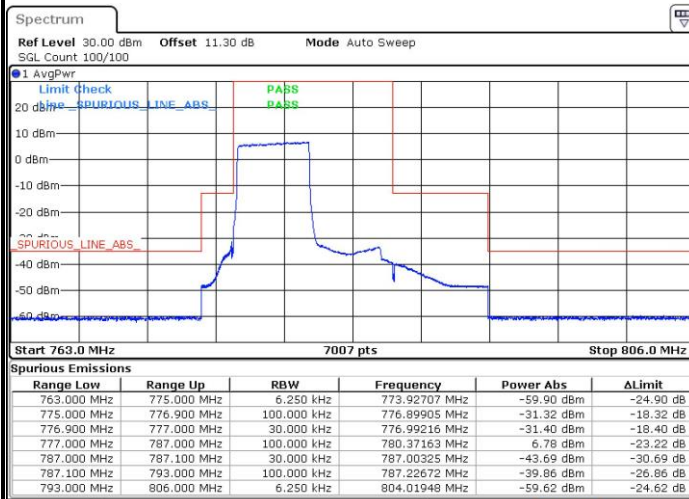
Date: 20 JUL 2018 08:08:29

Highest Band Edge / 1 RB



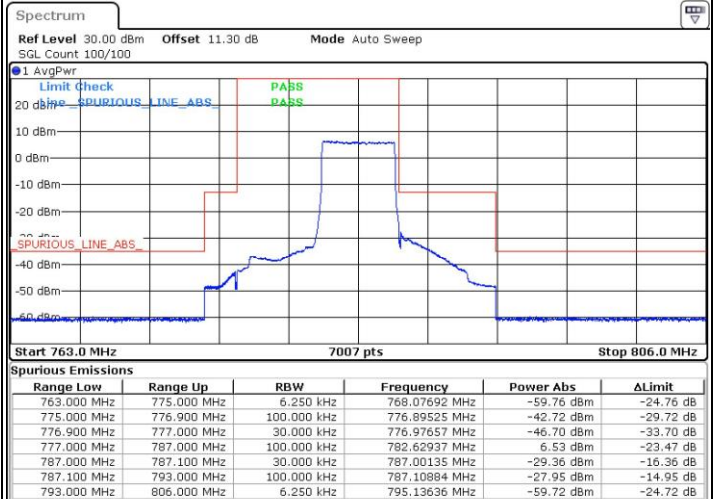
Date: 20 JUL 2018 08:15:00

Lowest Band Edge / Full RB



Date: 20 JUL 2018 08:03:36

Highest Band Edge / Full RB

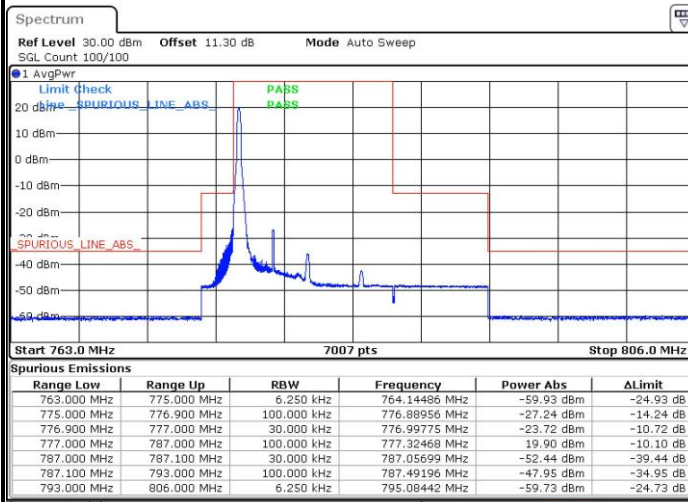


Date: 20 JUL 2018 08:10:06

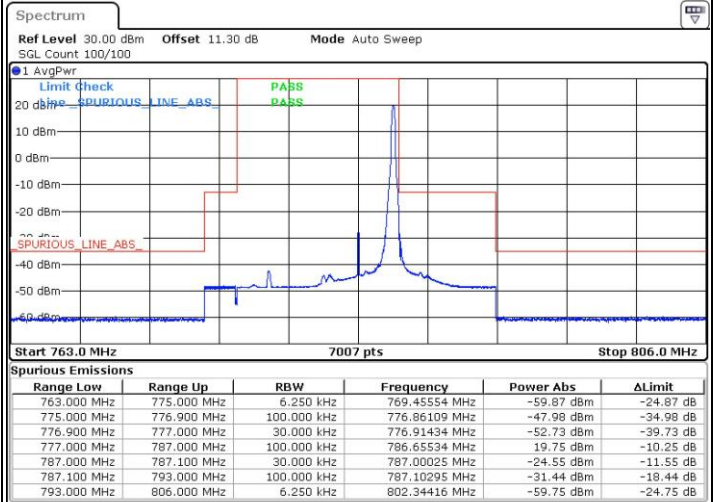


IC LTE Band 13 / 5MHz / 16QAM

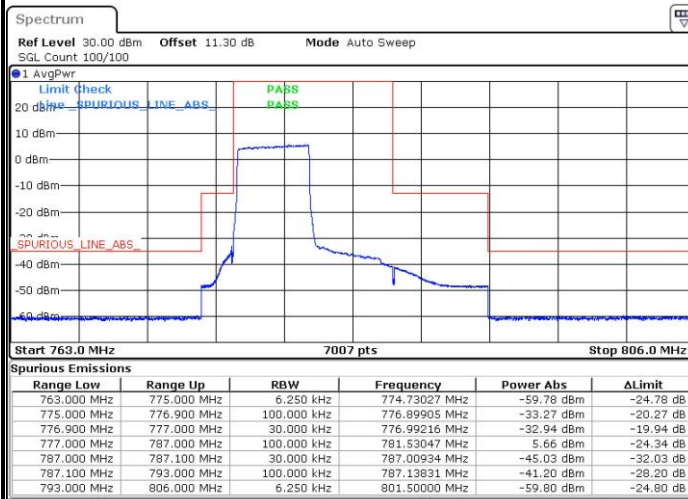
Lowest Band Edge / 1 RB



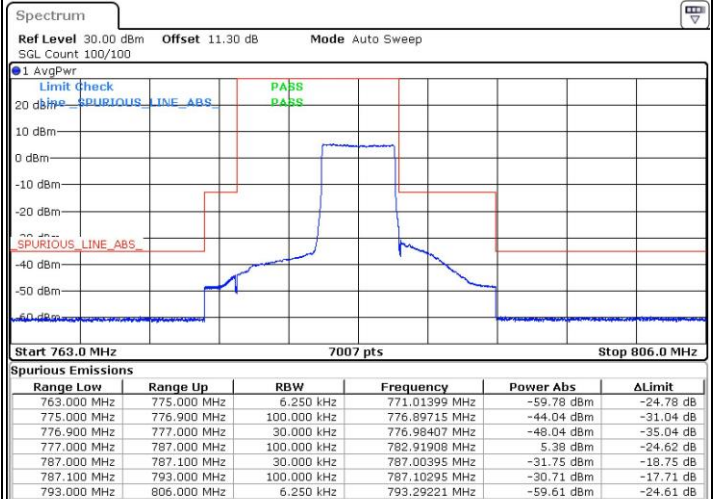
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



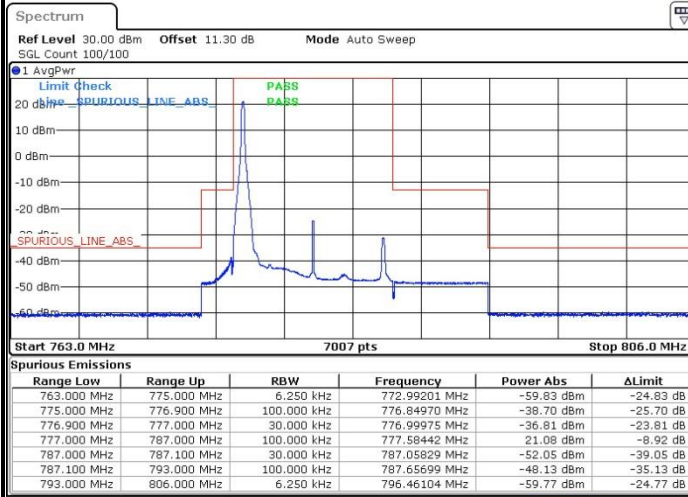
Highest Band Edge / Full RB





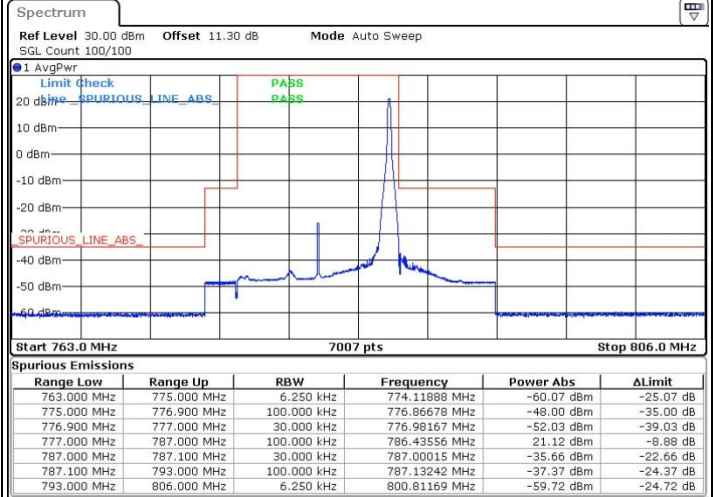
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



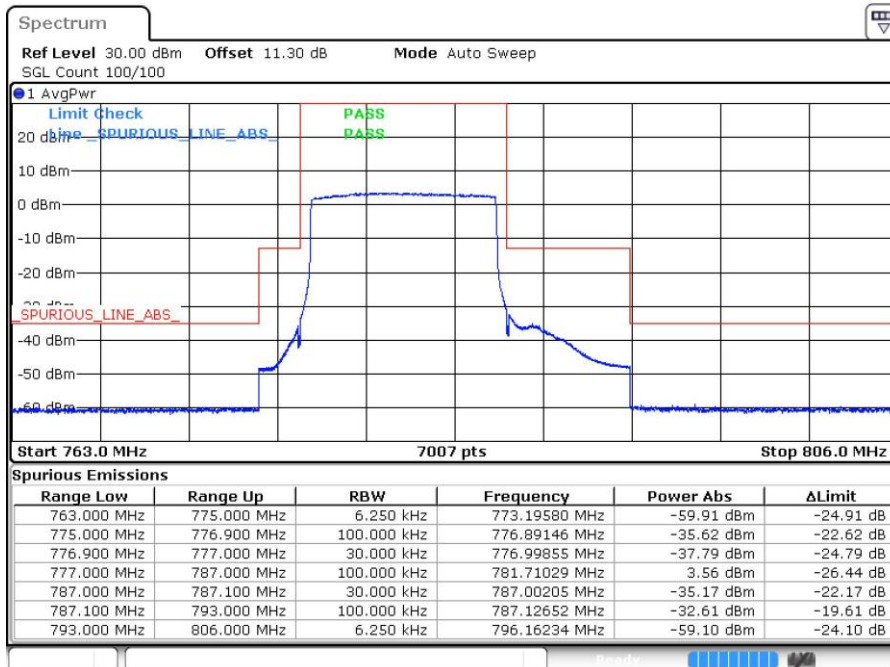
Date: 20 JUL 2018 08:21:31

Highest Band Edge / 1 RB



Date: 20 JUL 2018 08:23:08

Band Edge / Full RB

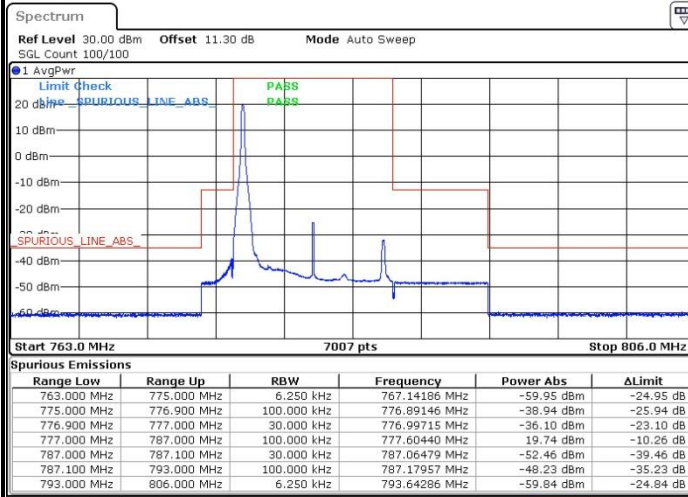


Date: 20 JUL 2018 08:16:37



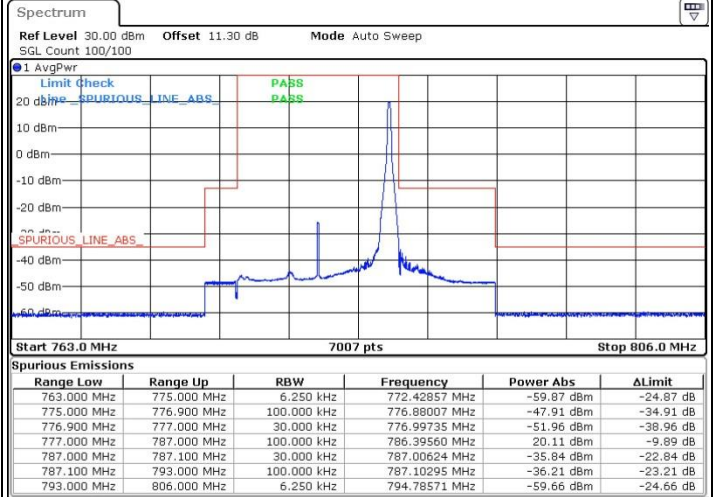
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



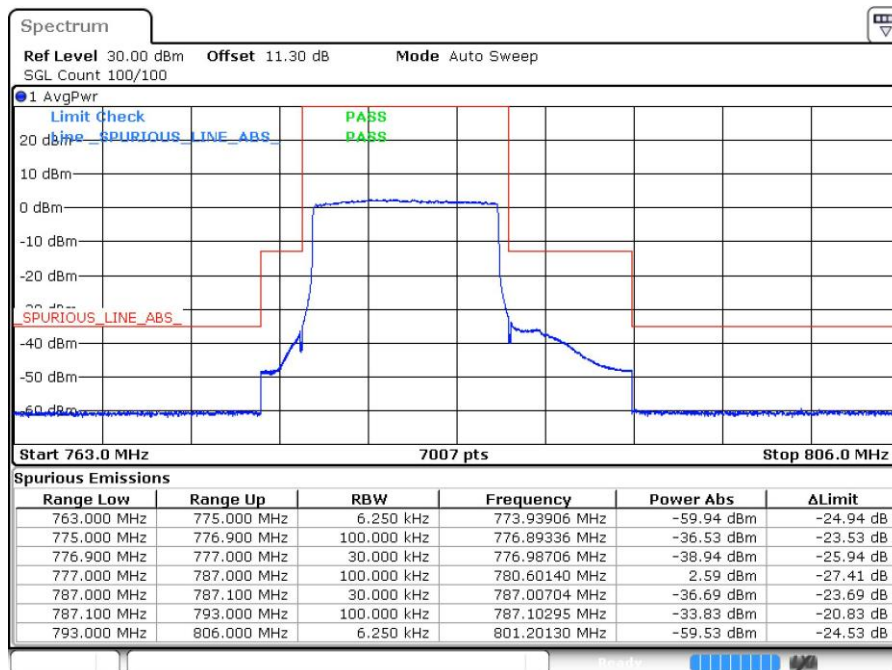
Date: 20 JUL 2018 08:19:53

Highest Band Edge / 1 RB



Date: 20 JUL 2018 08:24:46

Band Edge / Full RB



Date: 20 JUL 2018 08:18:15

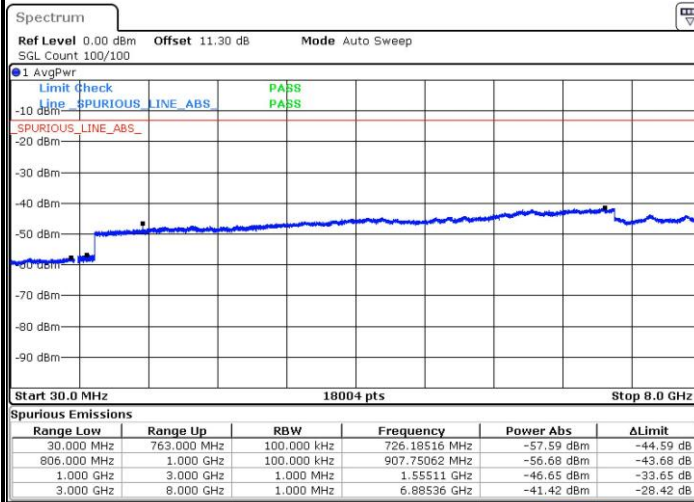


Conducted Spurious Emission



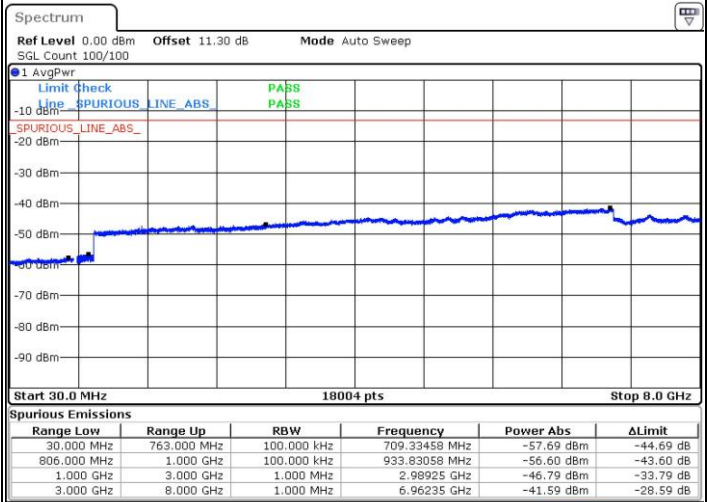
LTE Band 13 / 5MHz

Lowest Channel / QPSK



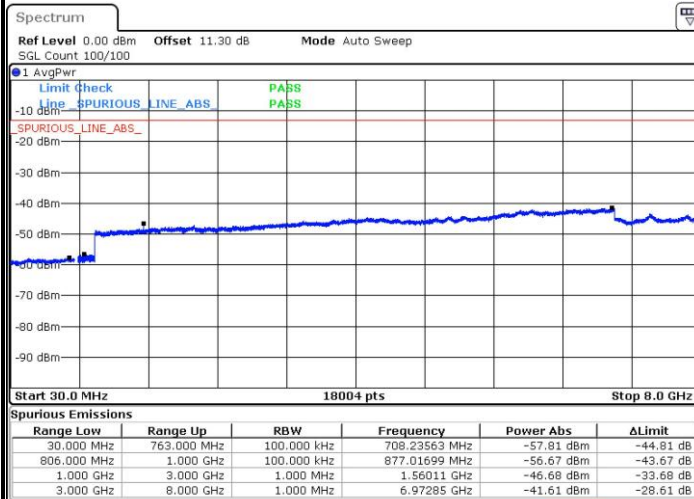
Date: 20 JUL 2018 07:30:33

Lowest Channel / 16QAM



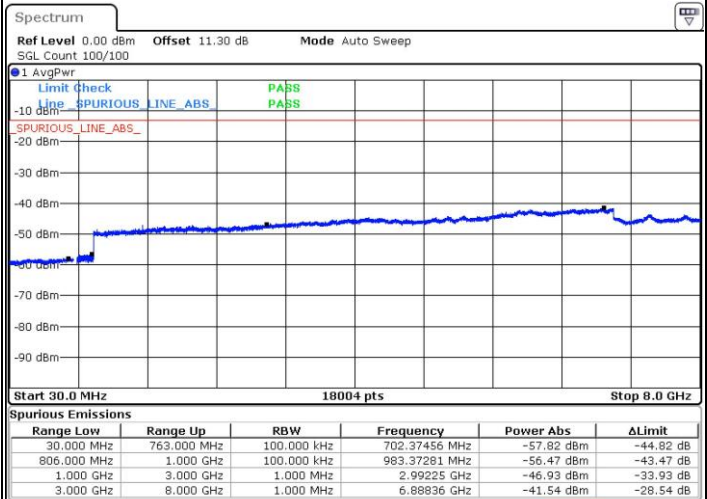
Date: 20 JUL 2018 07:31:26

Middle Channel / QPSK



Date: 20 JUL 2018 07:33:14

Middle Channel / 16QAM

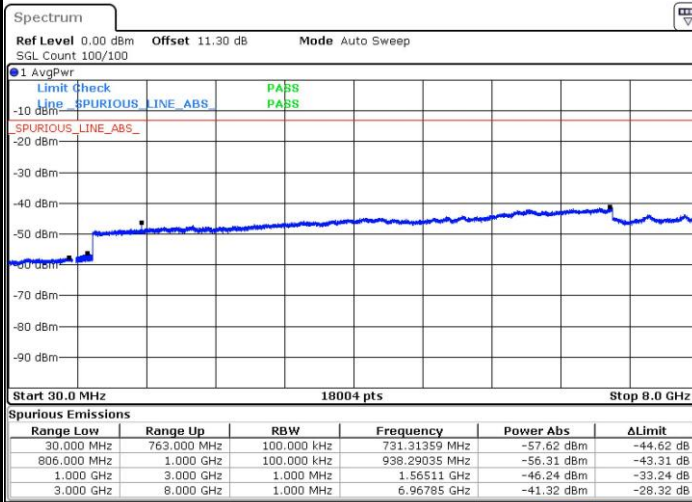


Date: 20 JUL 2018 07:32:20



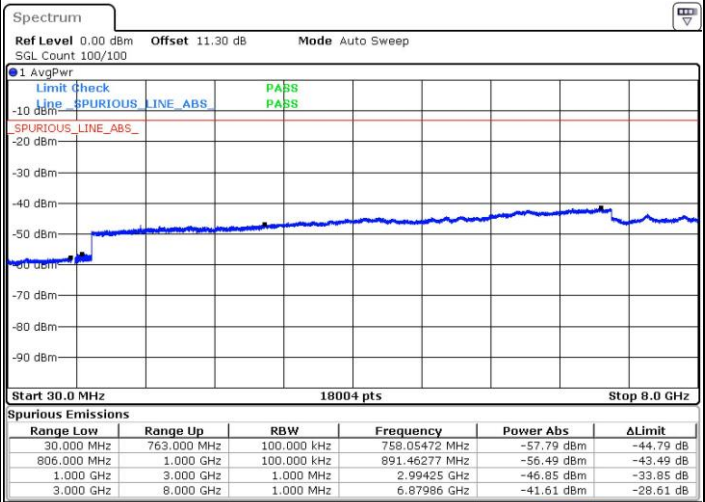
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 20 JUL 2018 07:42:00

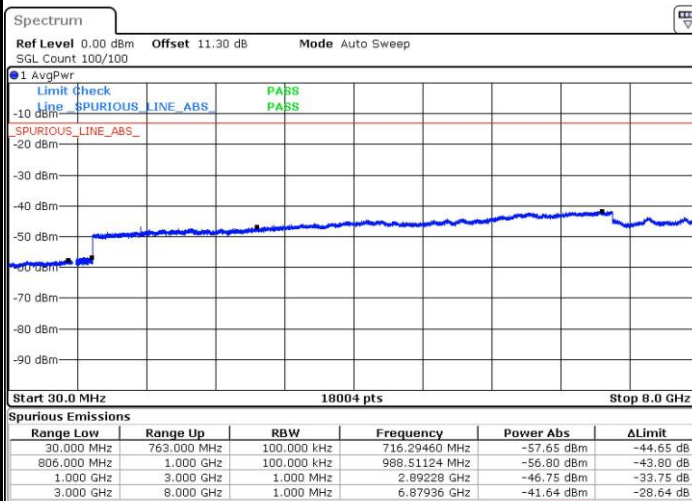
Highest Channel / 16QAM



Date: 20 JUL 2018 07:42:53

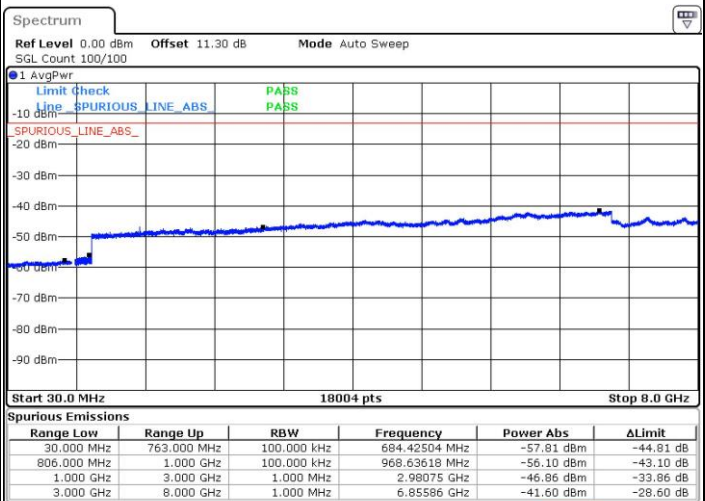
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 20 JUL 2018 07:56:52

Middle Channel / 16QAM



Date: 20 JUL 2018 07:55:58

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0073	PASS
40	Normal Voltage	0.0138	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0102	
0	Normal Voltage	0.0176	
-10	Normal Voltage	0.0088	
-20	Normal Voltage	0.0145	
-30	Normal Voltage	0.0110	
20	Maximum Voltage	0.0159	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0123	

Note:

1. Normal Voltage =3.8 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.

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Within Band
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	5.7	PASS
40	Normal Voltage	10.8	
30	Normal Voltage	3.3	
20(Ref.)	Normal Voltage	0	
10	Normal Voltage	8	
0	Normal Voltage	0	
-10	Normal Voltage	6.9	
-20	Normal Voltage	11.3	
-30	Normal Voltage	8.6	
20	Maximum Voltage	12.4	
20	Normal Voltage	0	
20	Battery End Point	9.6	

 $|\text{MAX}(\Delta f)| = 12.4\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	777.144988	$\geq 777 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	786.859012	$\leq 787 \text{ MHz}$	

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

LTE Band 2 / 1.4MHz (Average) (GT - LC = 1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.40	0.2188	24.90	0.3090
Middle		3	1	23.24	0.2109	24.74	0.2979
Highest		3	1	23.61	0.2296	25.11	0.3243
Lowest	16QAM	3	0	22.10	0.1622	23.60	0.2291
Middle		3	0	21.96	0.1570	23.46	0.2218
Highest		3	0	22.53	0.1791	24.03	0.2529
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.28	0.2128	24.78	0.3006
Middle		1	0	23.26	0.2118	24.76	0.2992
Highest		1	0	23.24	0.2109	24.74	0.2979
Lowest	16QAM	1	0	22.54	0.1795	24.04	0.2535
Middle		1	0	22.43	0.1750	23.93	0.2472
Highest		1	0	22.69	0.1858	24.19	0.2624
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.00	0.1995	24.50	0.2818
Middle		1	12	23.49	0.2234	24.99	0.3155
Highest		1	12	23.19	0.2084	24.69	0.2944
Lowest	16QAM	1	24	22.67	0.1849	24.17	0.2612
Middle		1	24	22.31	0.1702	23.81	0.2404
Highest		1	24	22.79	0.1901	24.29	0.2685
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.42	0.2198	24.92	0.3105
Middle		1	25	23.48	0.2228	24.98	0.3148
Highest		1	25	23.52	0.2249	25.02	0.3177
Lowest	16QAM	1	25	22.95	0.1972	24.45	0.2786
Middle		1	25	22.71	0.1866	24.21	0.2636
Highest		1	25	22.59	0.1816	24.09	0.2564
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.47	0.2223	24.97	0.3141
Middle		1	37	23.22	0.2099	24.72	0.2965
Highest		1	37	23.45	0.2213	24.95	0.3126
Lowest	16QAM	1	37	22.65	0.1841	24.15	0.2600
Middle		1	37	21.94	0.1563	23.44	0.2208
Highest		1	37	22.40	0.1738	23.90	0.2455
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.69	0.2339	25.19	0.3304
Middle		1	49	23.53	0.2254	25.03	0.3184
Highest		1	49	23.57	0.2275	25.07	0.3214
Lowest	16QAM	1	49	22.04	0.1600	23.54	0.2259
Middle		1	49	22.05	0.1603	23.55	0.2265
Highest		1	49	22.78	0.1897	24.28	0.2679
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	24.02	0.2523	25.02	0.3177
Middle		3	1	23.75	0.2371	24.75	0.2985
Highest		3	1	23.82	0.2410	24.82	0.3034
Lowest	16QAM	3	1	23.07	0.2028	24.07	0.2553
Middle		3	1	23.14	0.2061	24.14	0.2594
Highest		3	1	22.96	0.1977	23.96	0.2489
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	24.05	0.2541	25.05	0.3199
Middle		1	14	23.69	0.2339	24.69	0.2944
Highest		1	14	23.74	0.2366	24.74	0.2979
Lowest	16QAM	1	0	22.67	0.1849	23.67	0.2328
Middle		1	0	22.94	0.1968	23.94	0.2477
Highest		1	0	22.46	0.1762	23.46	0.2218
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.96	0.2489	24.96	0.3133
Middle		1	12	24.02	0.2523	25.02	0.3177
Highest		1	12	23.98	0.2500	24.98	0.3148
Lowest	16QAM	1	12	23.31	0.2143	24.31	0.2698
Middle		1	12	22.53	0.1791	23.53	0.2254
Highest		1	12	22.97	0.1982	23.97	0.2495
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	24.10	0.2570	25.10	0.3236
Middle		1	25	24.00	0.2512	25.00	0.3162
Highest		1	25	23.90	0.2455	24.90	0.3090
Lowest	16QAM	1	25	23.36	0.2168	24.36	0.2729
Middle		1	25	23.23	0.2104	24.23	0.2649
Highest		1	25	23.30	0.2138	24.30	0.2692
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	24.01	0.2518	25.01	0.3170
Middle		1	37	23.74	0.2366	24.74	0.2979
Highest		1	37	24.05	0.2541	25.05	0.3199
Lowest	16QAM	1	0	23.37	0.2173	24.37	0.2735
Middle		1	0	23.22	0.2099	24.22	0.2642
Highest		1	0	23.13	0.2056	24.13	0.2588
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.11	0.2576	25.11	0.3243
Middle		1	0	23.63	0.2307	24.63	0.2904
Highest		1	0	23.67	0.2328	24.67	0.2931
Lowest	16QAM	1	49	22.72	0.1871	23.72	0.2355
Middle		1	49	23.00	0.1995	24.00	0.2512
Highest		1	49	23.02	0.2004	24.02	0.2523
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.65	0.2317	20.50	0.1122
Middle		3	1	23.79	0.2393	20.64	0.1159
Highest		3	1	23.61	0.2296	20.46	0.1112
Lowest	16QAM	1	5	22.98	0.1986	19.83	0.0962
Middle		1	5	22.87	0.1936	19.72	0.0938
Highest		1	5	22.51	0.1782	19.36	0.0863
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.71	0.2350	20.56	0.1138
Middle		1	0	23.82	0.2410	20.67	0.1167
Highest		1	0	23.75	0.2371	20.60	0.1148
Lowest	16QAM	1	0	22.91	0.1954	19.76	0.0946
Middle		1	0	22.83	0.1919	19.68	0.0929
Highest		1	0	22.69	0.1858	19.54	0.0899
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.92	0.2466	20.77	0.1194
Middle		1	12	23.62	0.2301	20.47	0.1114
Highest		1	12	23.85	0.2427	20.70	0.1175
Lowest	16QAM	1	0	22.90	0.1950	19.75	0.0944
Middle		1	0	22.88	0.1941	19.73	0.0940
Highest		1	0	22.70	0.1862	19.55	0.0902
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	23.90	0.2455	20.75	0.1189
Middle		1	25	23.85	0.2427	20.70	0.1175
Highest		1	25	23.96	0.2489	20.81	0.1205
Lowest	16QAM	1	0	22.90	0.1950	19.75	0.0944
Middle		1	0	22.96	0.1977	19.81	0.0957
Highest		1	0	22.70	0.1862	19.55	0.0902
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	23.67	0.2328	19.52	0.0895
Middle		3	3	23.67	0.2328	19.52	0.0895
Highest		3	3	23.81	0.2404	19.66	0.0925
Lowest	16QAM	1	3	23.19	0.2084	19.04	0.0802
Middle		1	3	23.33	0.2153	19.18	0.0828
Highest		1	3	23.14	0.2061	18.99	0.0793
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.82	0.2410	19.67	0.0927
Middle		1	0	23.74	0.2366	19.59	0.0910
Highest		1	0	23.71	0.2350	19.56	0.0904
Lowest	16QAM	1	14	22.93	0.1963	18.78	0.0755
Middle		1	14	23.13	0.2056	18.98	0.0791
Highest		1	14	23.23	0.2104	19.08	0.0809
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.83	0.2415	19.68	0.0929
Middle		1	12	23.63	0.2307	19.48	0.0887
Highest		1	12	23.84	0.2421	19.69	0.0931
Lowest	16QAM	1	24	22.90	0.1950	18.75	0.0750
Middle		1	24	23.19	0.2084	19.04	0.0802
Highest		1	24	23.27	0.2123	19.12	0.0817
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	24.00	0.2512	19.85	0.0966
Middle		1	25	23.68	0.2333	19.53	0.0897
Highest		1	25	23.91	0.2460	19.76	0.0946
Lowest	16QAM	1	25	22.69	0.1858	18.54	0.0714
Middle		1	25	22.95	0.1972	18.80	0.0759
Highest		1	25	23.23	0.2104	19.08	0.0809
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.72	0.2355	21.07	0.1279
Middle		1	12	23.88	0.2443	21.23	0.1327
Highest		1	12	23.61	0.2296	20.96	0.1247
Lowest	16QAM	1	0	23.28	0.2128	20.63	0.1156
Middle		1	0	22.54	0.1795	19.89	0.0975
Highest		1	0	22.55	0.1799	19.90	0.0977
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	25	23.89	0.2449	21.24	0.1330
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	23.42	0.2198	20.77	0.1194
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****Part24E 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	3721	-58.70	-13	-45.70	-76.5	-68.98	1.98	12.27	H
	5580	-56.08	-13	-43.08	-77.28	-66.26	2.14	12.31	H
	7440	-51.74	-13	-38.74	-76.75	-59.70	2.15	10.11	H
									H
	3721	-59.04	-13	-46.04	-76.27	-69.32	1.98	12.27	V
	5580	-55.84	-13	-42.84	-77.26	-66.02	2.14	12.31	V
	7440	-52.77	-13	-39.77	-76.87	-60.73	2.15	10.11	V
									V
Middle	3763	-58.54	-13	-45.54	-76.2	-68.78	2.01	12.24	H
	5640	-56.03	-13	-43.03	-77.2	-66.30	2.12	12.40	H
	7520	-50.96	-13	-37.96	-76.45	-58.92	2.11	10.07	H
									H
	3763	-59.25	-13	-46.25	-76.41	-69.49	2.01	12.24	V
	5640	-55.94	-13	-42.94	-77.3	-66.21	2.12	12.40	V
	7520	-51.74	-13	-38.74	-76.47	-59.70	2.11	10.07	V
									V
Highest	3800	-58.73	-13	-45.73	-76.28	-68.92	2.03	12.22	H
	5700	-56.02	-13	-43.02	-77.24	-66.39	2.11	12.48	H
	7600	-51.07	-13	-38.07	-76.36	-59.32	2.11	10.36	H
									H
	3800	-58.58	-13	-45.58	-75.69	-68.77	2.03	12.22	V
	5700	-55.62	-13	-42.62	-76.98	-65.99	2.11	12.48	V
	7600	-51.54	-13	-38.54	-76.41	-59.79	2.11	10.36	V
									V

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

**Part27L 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)
Lowest	3420	-59.23	-13	-46.23	-76.07	-69.59	1.80	12.16	H
	5130	-56.23	-13	-43.23	-76.85	-66.05	2.31	12.13	H
	6843	-53.36	-13	-40.36	-76.69	-62.05	2.37	11.06	H
									H
	3420	-59.98	-13	-46.98	-76.35	-70.34	1.80	12.16	V
	5130	-56.04	-13	-43.04	-76.6	-65.86	2.31	12.13	V
	6843	-54.25	-13	-41.25	-76.9	-62.94	2.37	11.06	V
									V
Middle	3448	-59.12	-13	-46.12	-76.13	-69.54	1.83	12.24	H
	5170	-56.16	-13	-43.16	-76.8	-66.00	2.29	12.13	H
	6899	-53.09	-13	-40.09	-76.71	-61.71	2.39	11.00	H
									H
	3448	-59.62	-13	-46.62	-76.16	-70.04	1.83	12.24	V
	5170	-56.64	-13	-43.64	-77.2	-66.48	2.29	12.13	V
	6899	-53.57	-13	-40.57	-76.37	-62.19	2.39	11.00	V
									V
Highest	3469	-59.08	-13	-46.08	-76.27	-69.54	1.84	12.31	H
	5205	-56.93	-13	-43.93	-77.59	-66.80	2.28	12.14	H
	6941	-52.83	-13	-39.83	-76.74	-61.39	2.40	10.96	H
									H
	3469	-59.33	-13	-46.33	-76.06	-69.79	1.84	12.31	V
	5205	-56.77	-13	-43.77	-77.32	-66.64	2.28	12.14	V
	6941	-53.58	-13	-40.58	-76.53	-62.14	2.40	10.96	V
									V

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

**Part22H LTE Band 5**

LTE Band 5 / 10MHz / QPSK									
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)
Lowest	1656	-58.67	-13	-45.67	-71.22	-64.08	1.23	8.79	H
	2488	-60.04	-13	-47.04	-75.24	-66.94	1.44	10.49	H
	3320	-59.37	-13	-46.37	-76.38	-67.36	1.72	11.86	H
									H
	1656	-63.21	-13	-50.21	-73.47	-68.62	1.23	8.79	V
	2488	-60.02	-13	-47.02	-74.71	-66.92	1.44	10.49	V
	3320	-59.88	-13	-46.88	-76.44	-67.87	1.72	11.86	V
									V
Middle	1672	-58.30	-13	-45.30	-71.06	-63.77	1.24	8.85	H
	2512	-59.70	-13	-46.70	-74.85	-66.62	1.44	10.51	H
	3344	-59.64	-13	-46.64	-76.58	-67.68	1.74	11.93	H
									H
	1672	-62.80	-13	-49.80	-73.14	-68.27	1.24	8.85	V
	2512	-59.42	-13	-46.42	-74.12	-66.34	1.44	10.51	V
	3344	-59.85	-13	-46.85	-76.33	-67.89	1.74	11.93	V
									V
Highest	1688	-58.03	-13	-45.03	-71.02	-63.55	1.24	8.91	H
	2536	-57.08	-13	-44.08	-72.17	-64.02	1.44	10.53	H
	3376	-59.72	-13	-46.72	-76.52	-67.83	1.77	12.03	H
									H
	1688	-61.16	-13	-48.16	-71.61	-66.68	1.24	8.91	V
	2536	-57.60	-13	-44.60	-72.29	-64.54	1.44	10.53	V
	3376	-60.12	-13	-47.12	-76.46	-68.23	1.77	12.03	V
									V

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

**Part27F LTE Band 12**

LTE Band 12 / 10MHz / QPSK									
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)
Lowest	1408	-56.96	-13.00	-43.96	-68.19	-61.44	1.15	7.78	H
	2112	-60.40	-13.00	-47.40	-75.75	-67.06	1.38	10.19	H
	2816	-59.96	-13.00	-46.96	-75.97	-67.11	1.45	10.75	H
									H
	1408	-56.88	-13.00	-43.88	-67.32	-61.36	1.15	7.78	V
	2112	-61.11	-13.00	-48.11	-75.73	-67.77	1.38	10.19	V
	2816	-60.66	-13.00	-47.66	-76.23	-67.81	1.45	10.75	V
									V
Middle	1416	-48.18	-13.00	-35.18	-59.41	-52.69	1.15	7.81	H
	2120	-60.23	-13.00	-47.23	-75.58	-66.90	1.38	10.20	H
	2832	-60.00	-13.00	-47.00	-76.09	-67.16	1.45	10.77	H
									H
	1416	-46.90	-13.00	-33.90	-57.34	-51.41	1.15	7.81	V
	2120	-61.04	-13.00	-48.04	-75.66	-67.71	1.38	10.20	V
	2832	-60.48	-13.00	-47.48	-76.06	-67.64	1.45	10.77	V
									V
Highest	1424	-49.05	-13.00	-36.05	-60.40	-53.60	1.15	7.85	H
	2133	-60.21	-13.00	-47.21	-75.87	-66.89	1.38	10.21	H
	2844	-59.99	-13.00	-46.99	-76.16	-67.16	1.45	10.78	H
									H
	1424	-48.61	-13.00	-35.61	-59.16	-53.16	1.15	7.85	V
	2133	-60.71	-13.00	-47.71	-75.65	-67.39	1.38	10.21	V
	2844	-60.61	-13.00	-47.61	-76.21	-67.78	1.45	10.78	V
									V

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

**Part27F LTE Band 13**

LTE Band 13 / 5MHz / QPSK									
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)
Lowest	1560	-57.79	-42.15	-15.64	-69.59	-62.88	1.19	8.43	H
	2336	-52.71	-13	-39.71	-68.94	-59.52	1.41	10.37	H
	3896	-56.20	-13	-43.20	-74.05	-64.14	2.08	12.16	H
									H
	1560	-64.65	-42.15	-22.50	-74.96	-69.74	1.19	8.43	V
	2336	-52.85	-13	-39.85	-68.18	-59.66	1.41	10.37	V
	3896	-58.84	-13	-45.84	-76.27	-66.78	2.08	12.16	V
									V
Middle	1568	-62.37	-42.15	-20.22	-74.18	-67.48	1.20	8.46	H
	2344	-53.21	-13	-40.21	-69.34	-60.02	1.42	10.38	H
	3128	-59.00	-13	-46.00	-76.23	-66.57	1.56	11.28	H
									H
	1568	-64.70	-42.15	-22.55	-74.81	-69.81	1.20	8.46	V
	2344	-56.55	-13	-43.55	-71.74	-63.36	1.42	10.38	V
	3128	-59.66	-13	-46.66	-76.21	-67.23	1.56	11.28	V
									V
Highest	1568	-62.63	-42.15	-20.48	-74.44	-67.74	1.20	8.46	H
	2351	-54.57	-13	-41.57	-70.70	-61.38	1.42	10.38	H
	3136	-58.95	-13	-45.95	-76.25	-66.54	1.57	11.31	H
									H
	1568	-64.03	-42.15	-21.88	-74.14	-69.14	1.20	8.46	V
	2351	-56.23	-13	-43.23	-71.42	-63.04	1.42	10.38	V
	3136	-59.66	-13	-46.66	-76.34	-67.25	1.57	11.31	V
									V

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



LTE Band 13 / 10MHz / QPSK									
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	1568	-60.34	-42.15	-18.19	-72.15	-65.45	1.20	8.46	H
	2344	-49.25	-13	-36.25	-65.38	-56.06	1.42	10.38	H
	3112	-59.07	-13	-46.07	-76.3	-66.60	1.55	11.24	H
									H
	1568	-64.95	-42.15	-22.80	-75.06	-70.06	1.20	8.46	V
	2344	-56.98	-13	-43.98	-72.17	-63.79	1.42	10.38	V
	3112	-59.77	-13	-46.77	-76.32	-67.30	1.55	11.24	V
									V

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