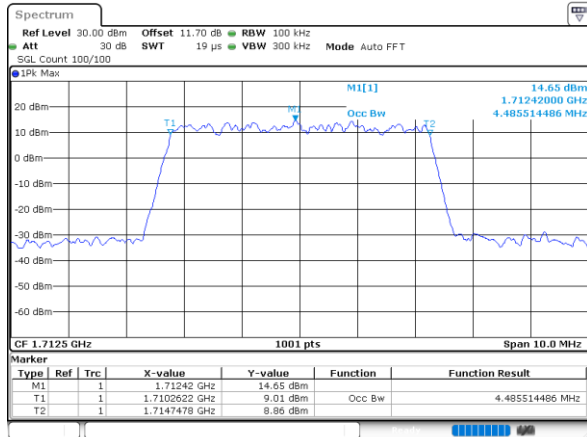


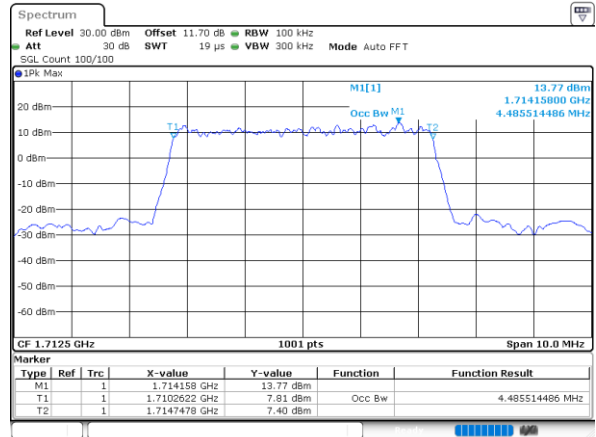


LTE Band 66

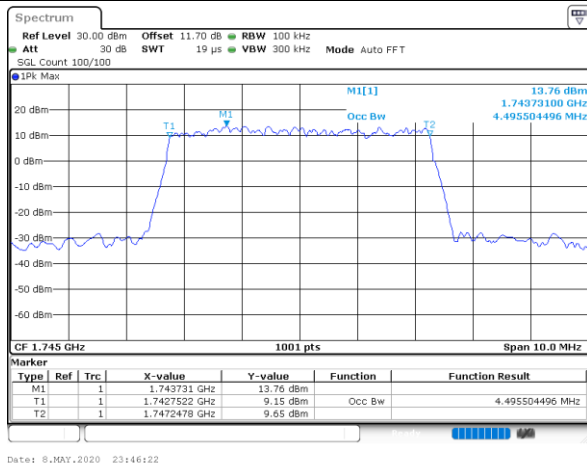
Lowest Channel / 5MHz / QPSK



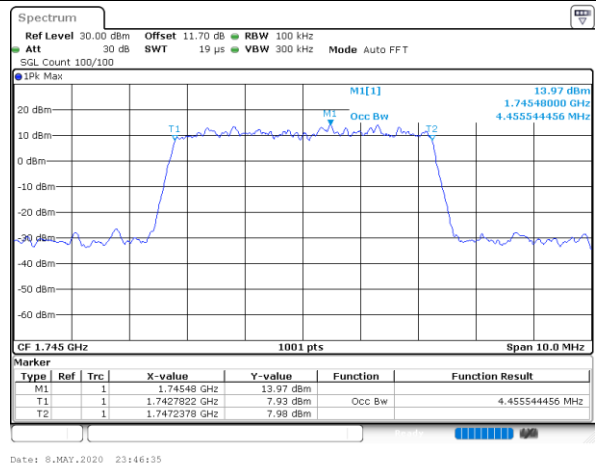
Lowest Channel / 5MHz / 16QAM



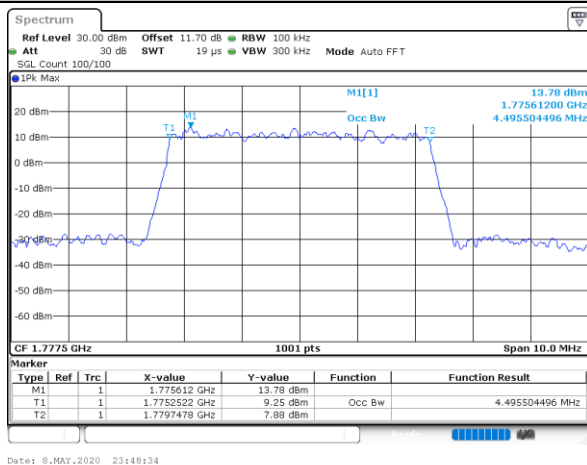
Middle Channel / 5MHz / QPSK



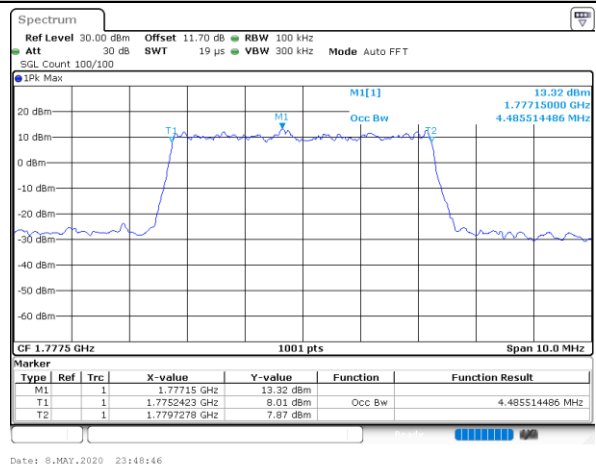
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



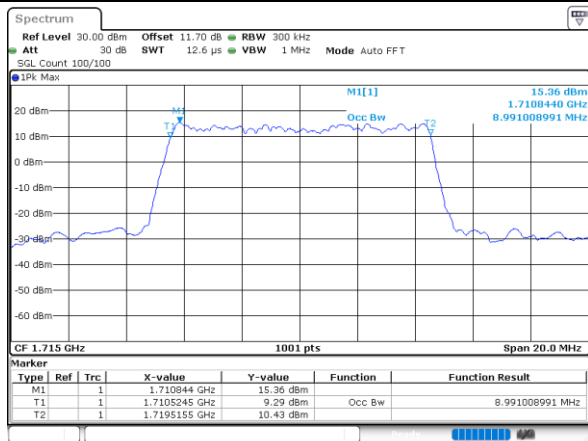
Highest Channel / 5MHz / 16QAM



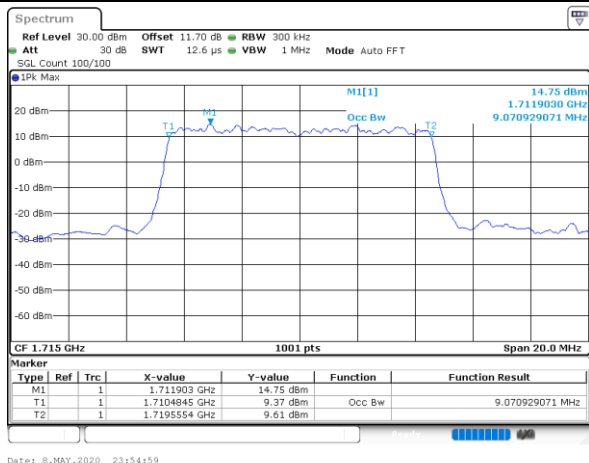


LTE Band 66

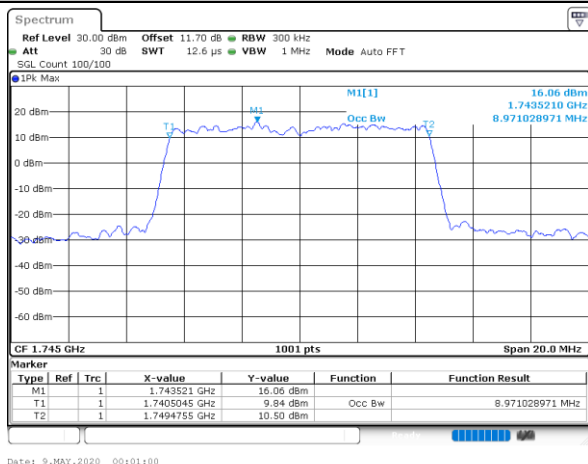
Lowest Channel / 10MHz / QPSK



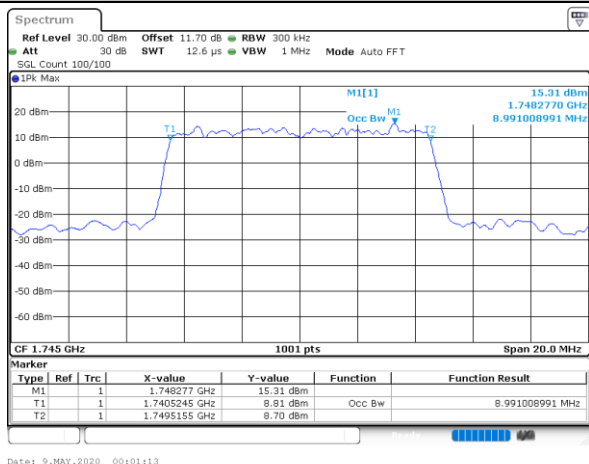
Lowest Channel / 10MHz / 16QAM



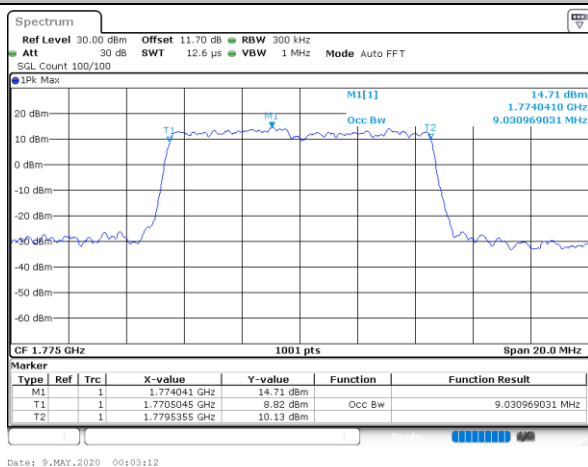
Middle Channel / 10MHz / QPSK



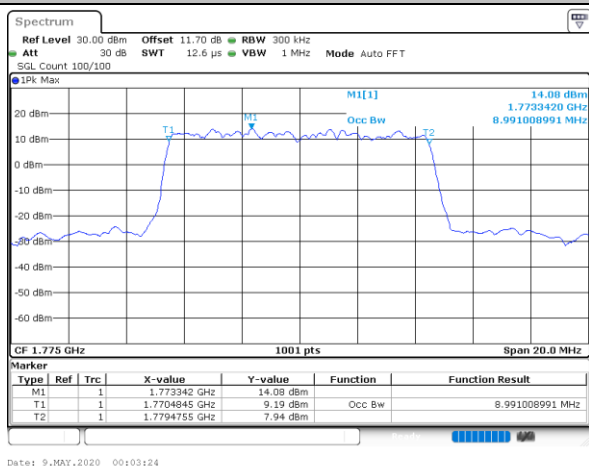
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



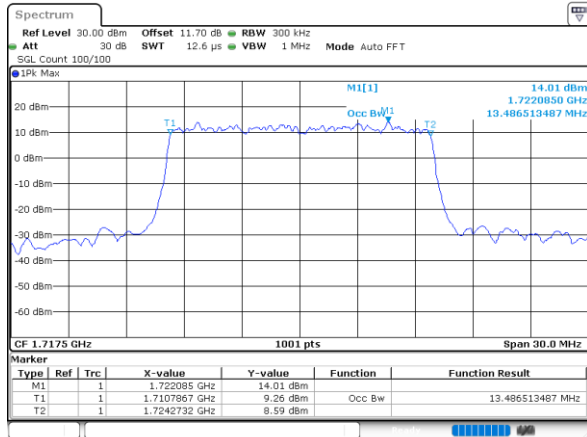
Highest Channel / 10MHz / 16QAM



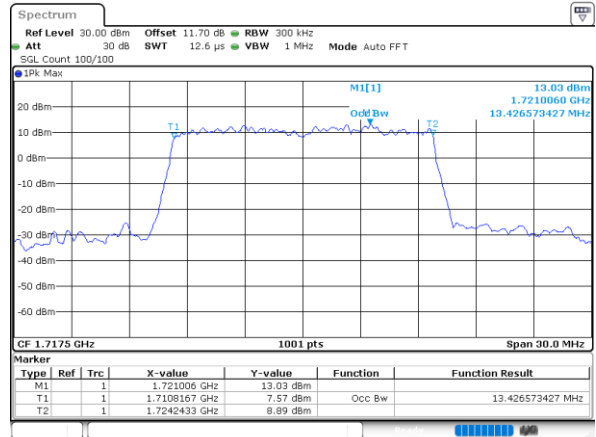


LTE Band 66

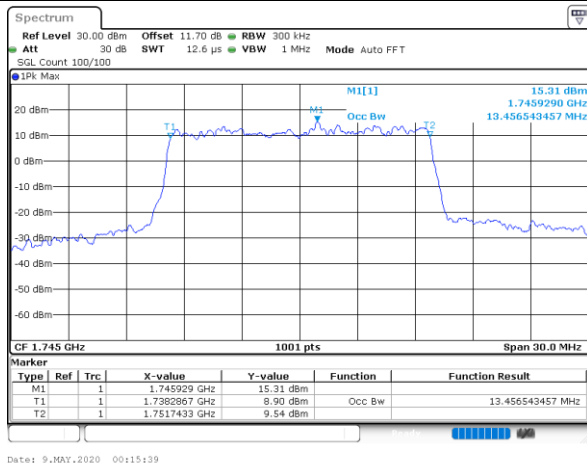
Lowest Channel / 15MHz / QPSK



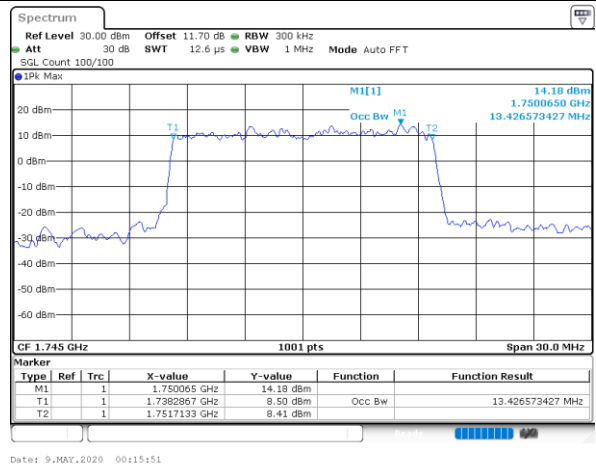
Lowest Channel / 15MHz / 16QAM



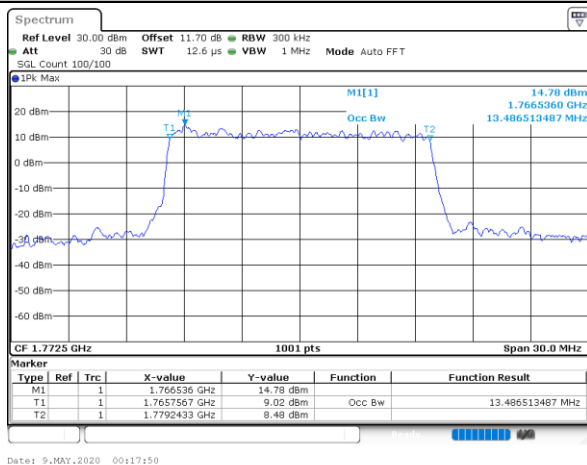
Middle Channel / 15MHz / QPSK



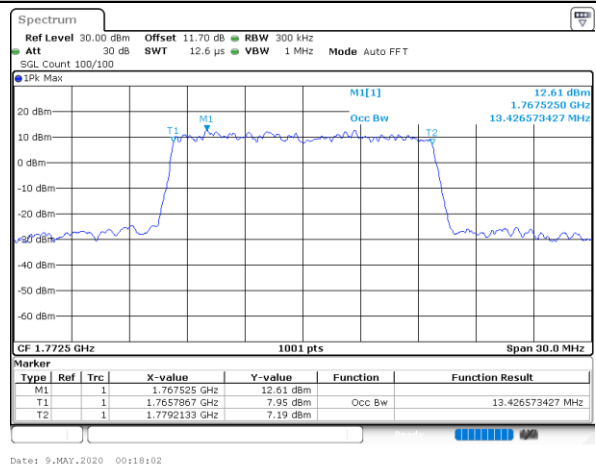
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



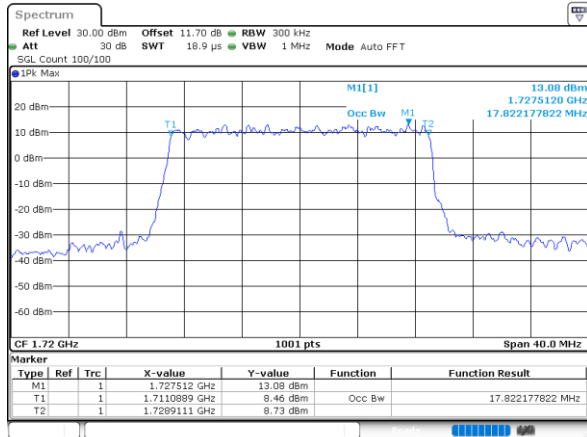
Highest Channel / 15MHz / 16QAM



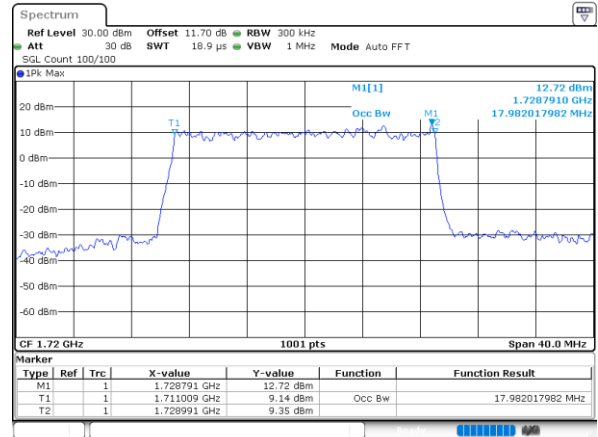


LTE Band 66

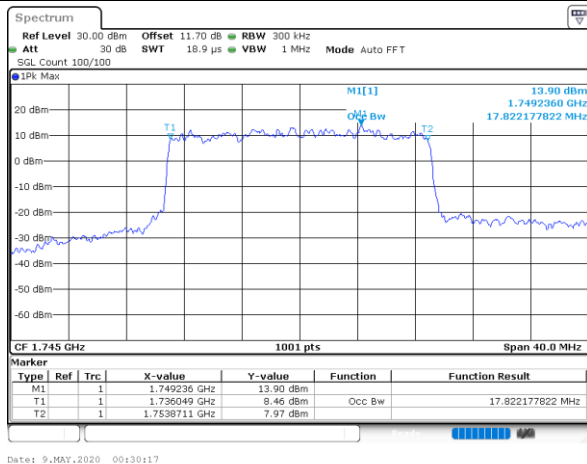
Lowest Channel / 20MHz / QPSK



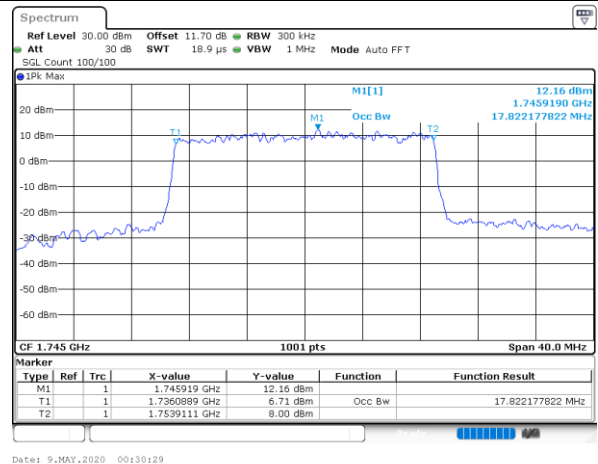
Lowest Channel / 20MHz / 16QAM



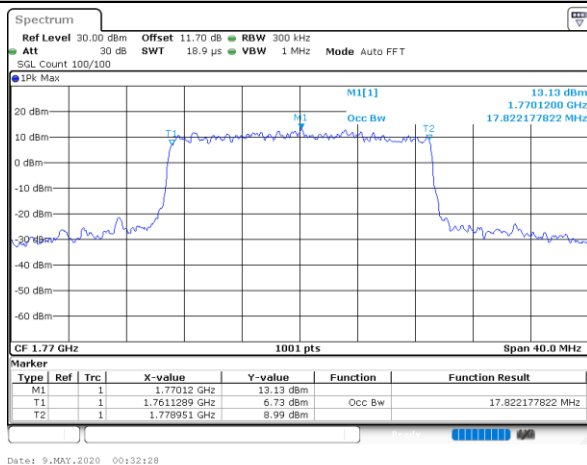
Middle Channel / 20MHz / QPSK



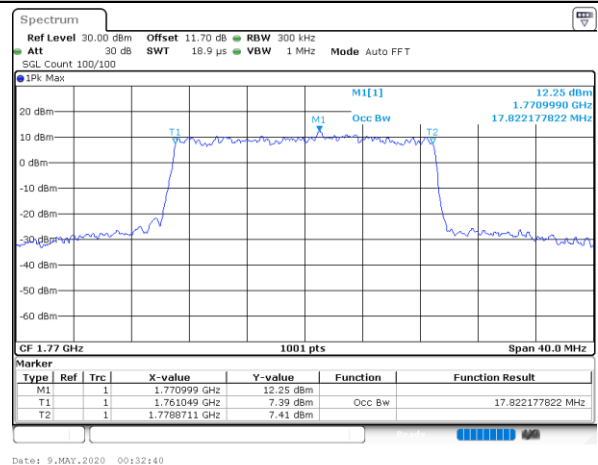
Middle Channel / 20MHz / 16QAM

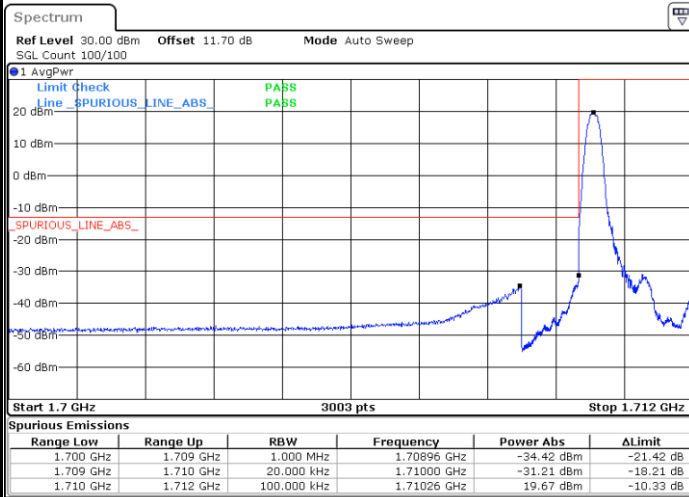
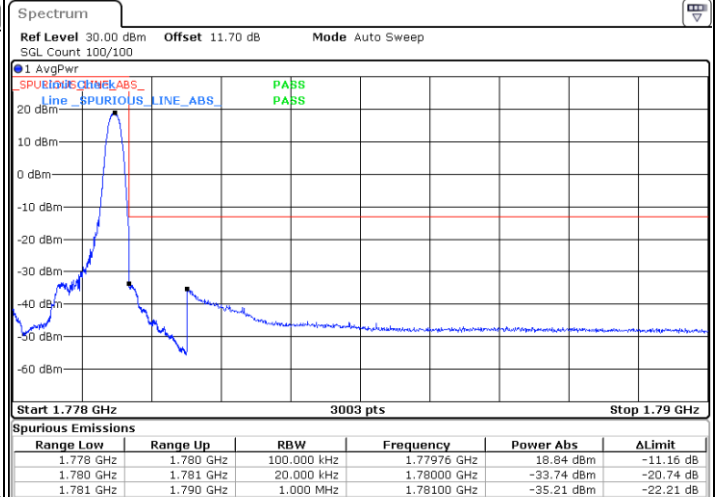
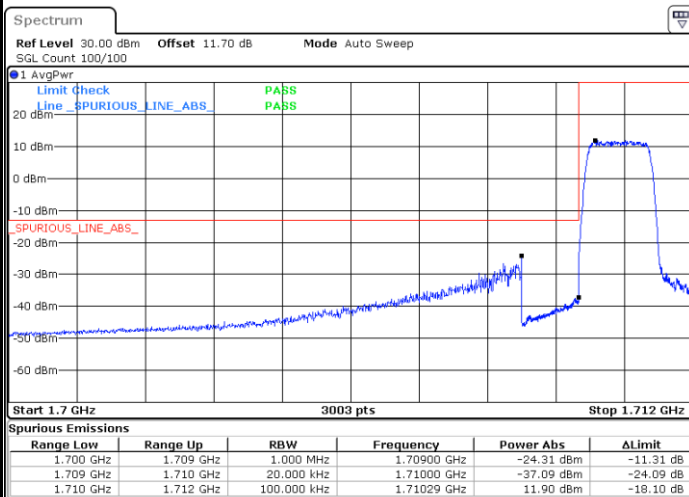
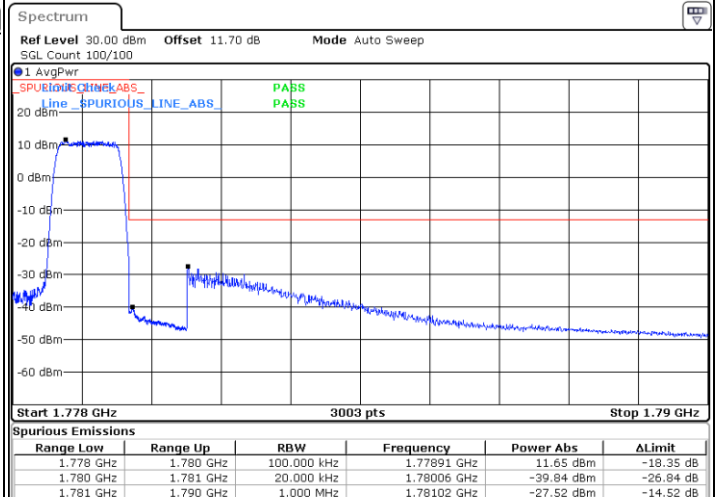


Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

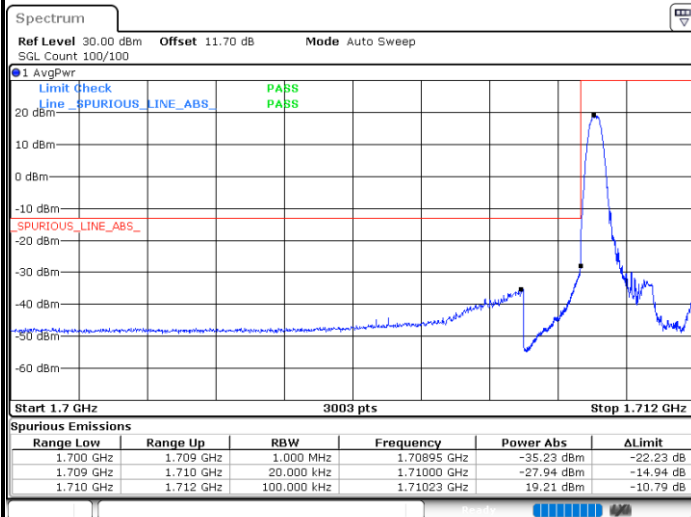


**Conducted Band Edge****LTE Band 66 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

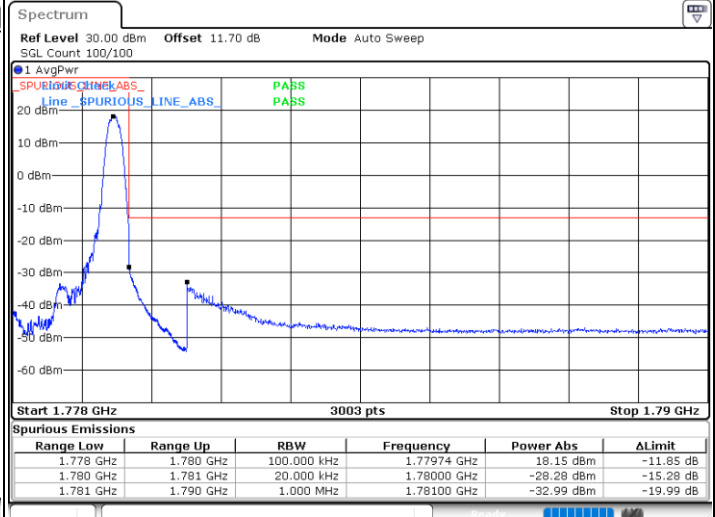


LTE Band 66 / 1.4MHz / 16QAM

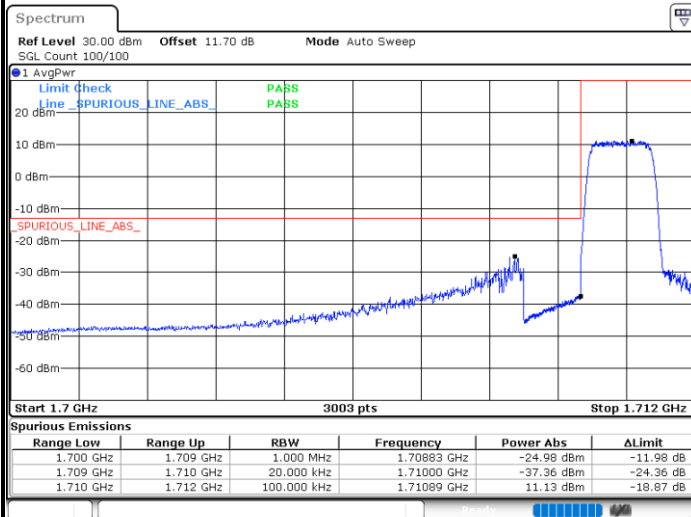
Lowest Band Edge / 1 RB



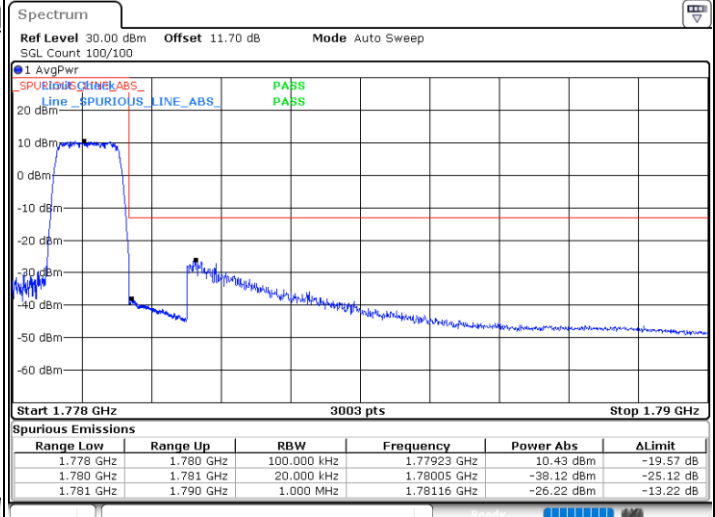
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



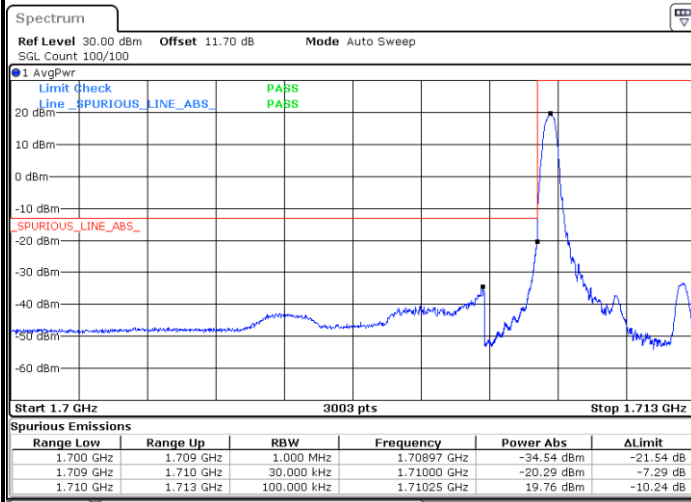
Highest Band Edge / Full RB



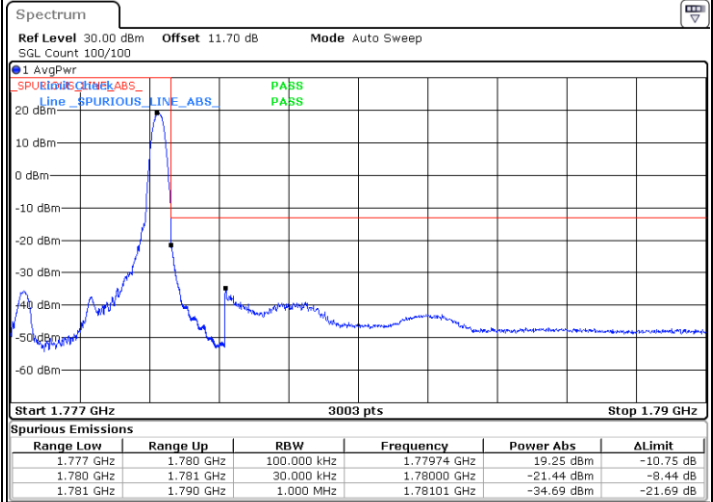


LTE Band 66 / 3MHz / QPSK

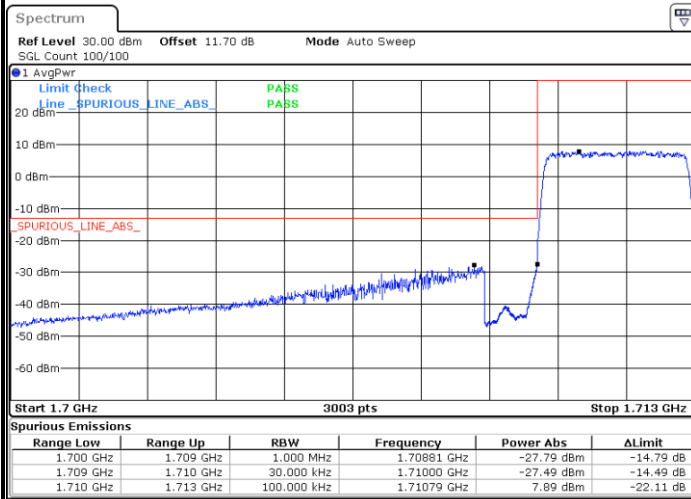
Lowest Band Edge / 1RB



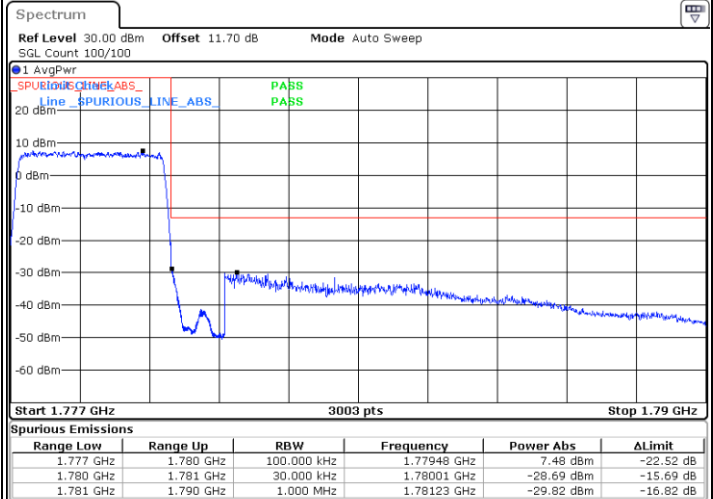
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



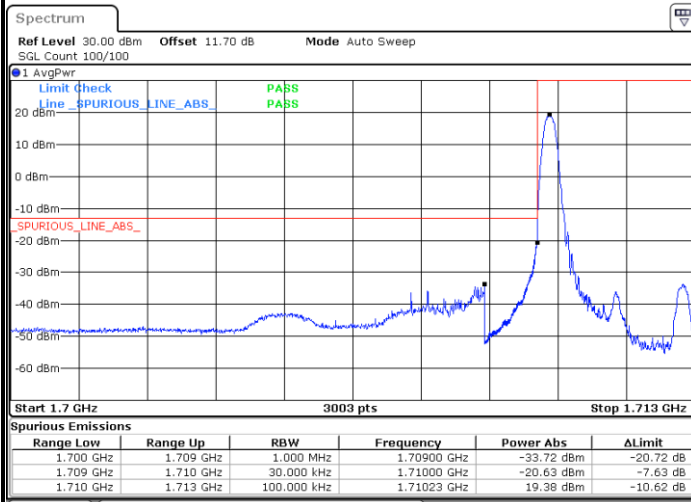
Highest Band Edge / Full RB



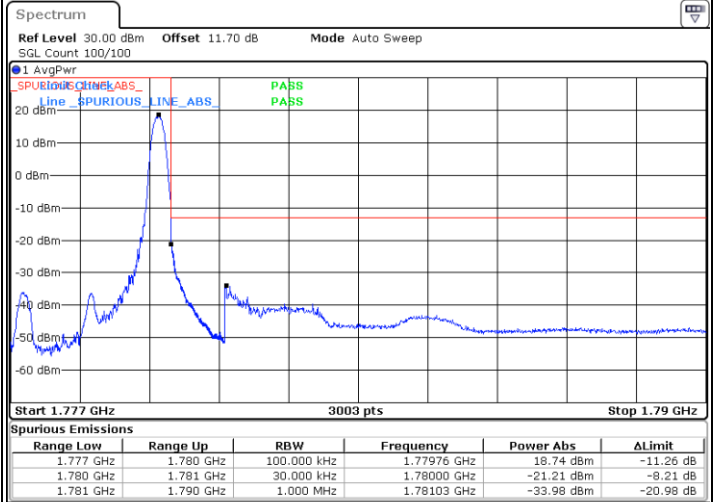


LTE Band 66 / 3MHz / 16QAM

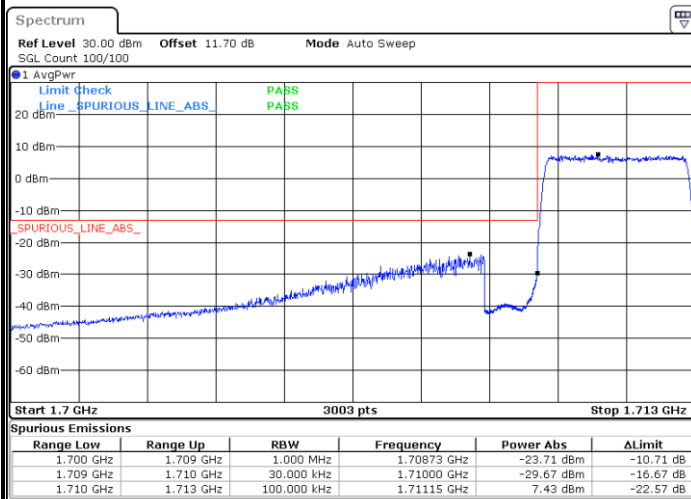
Lowest Band Edge / 1 RB



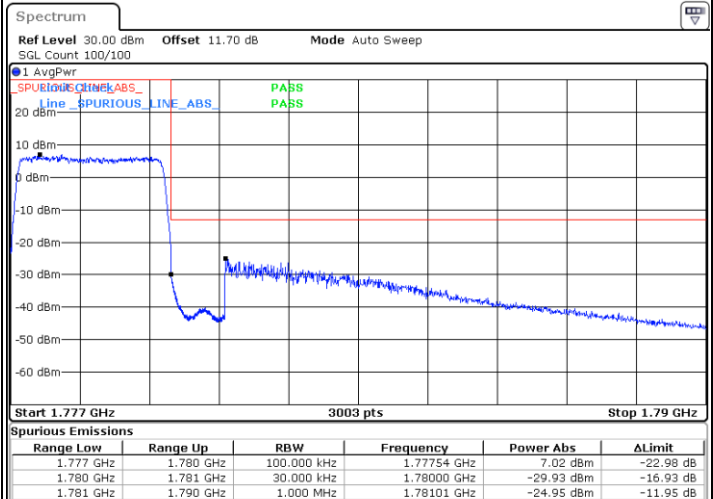
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



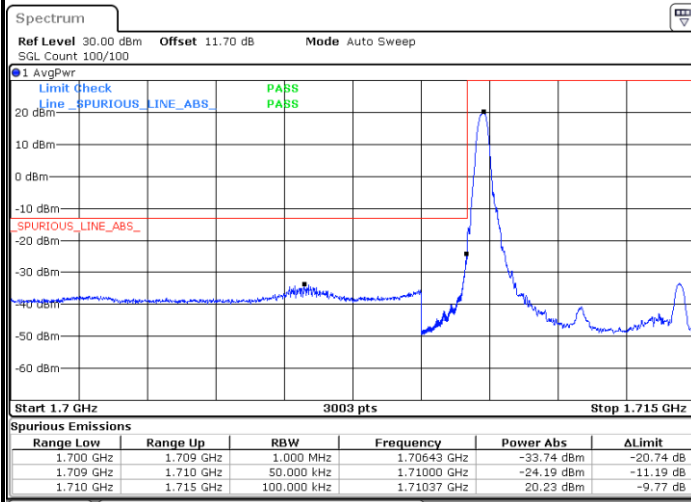
Highest Band Edge / Full RB



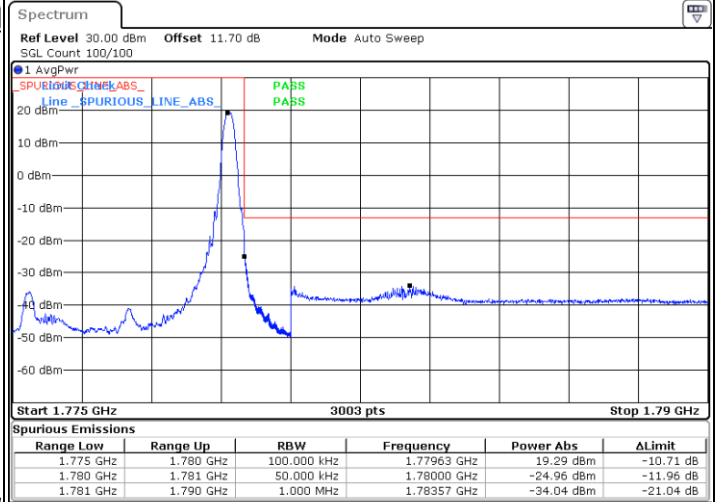


LTE Band 66 / 5MHz / QPSK

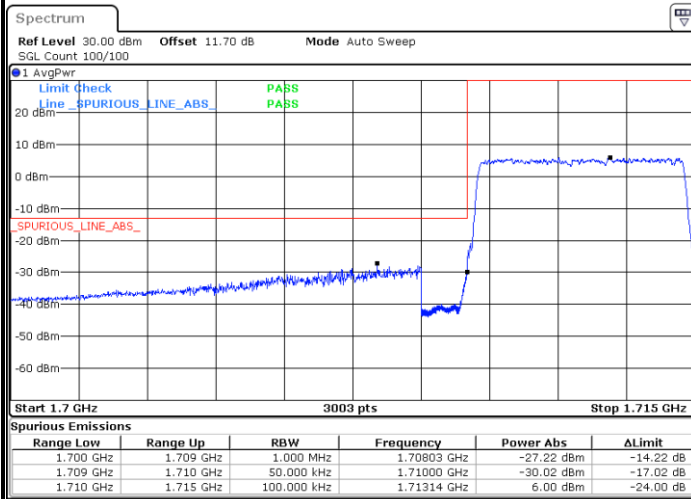
Lowest Band Edge / 1 RB



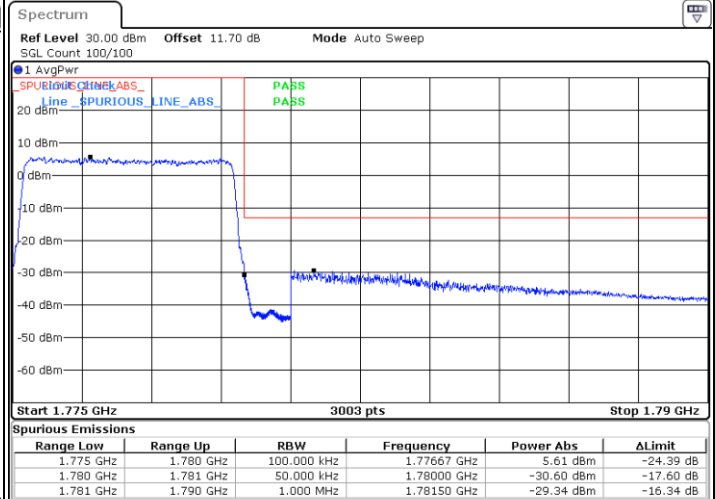
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



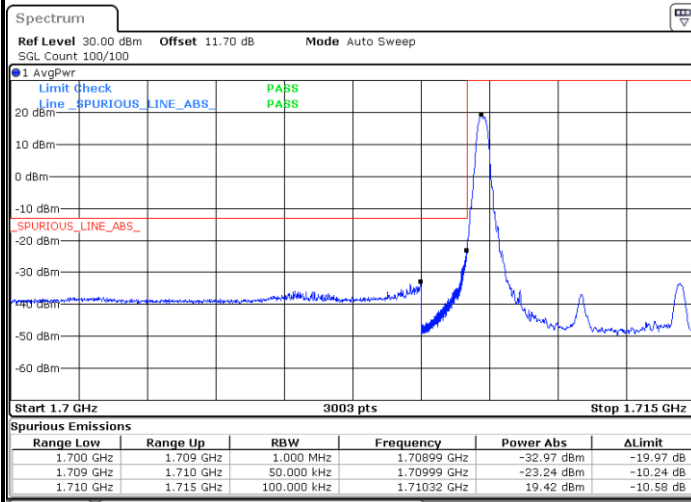
Highest Band Edge / Full RB



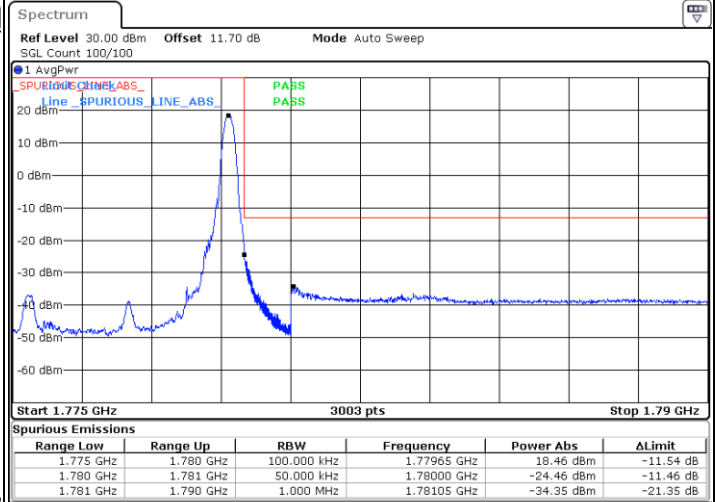


LTE Band 66 / 5MHz / 16QAM

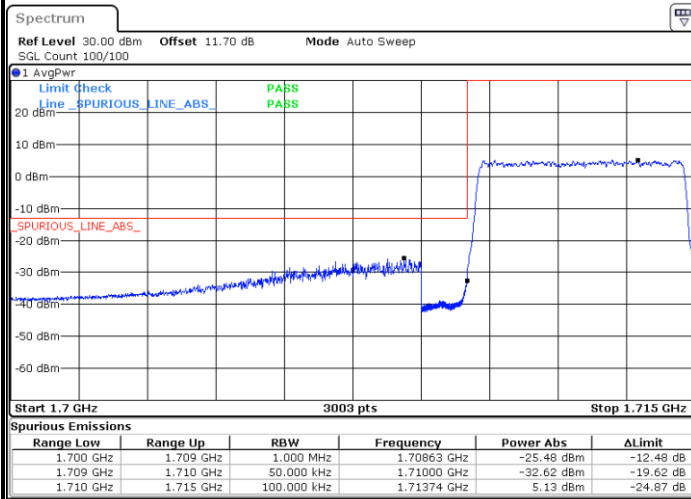
Lowest Band Edge / 1RB



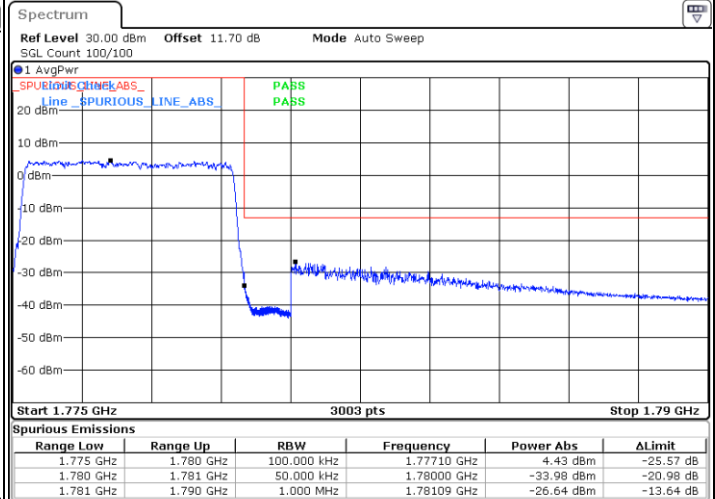
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



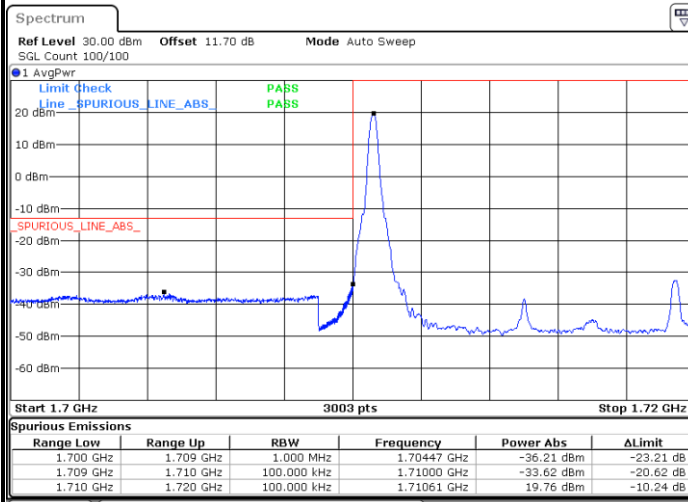
Highest Band Edge / Full RB



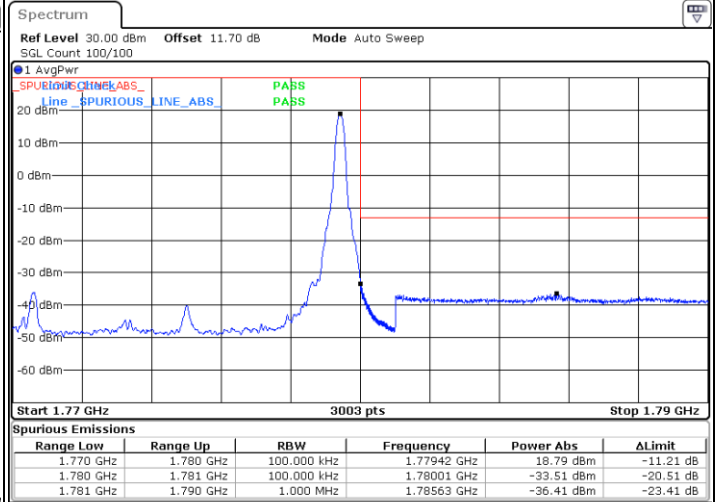


LTE Band 66 / 10MHz / QPSK

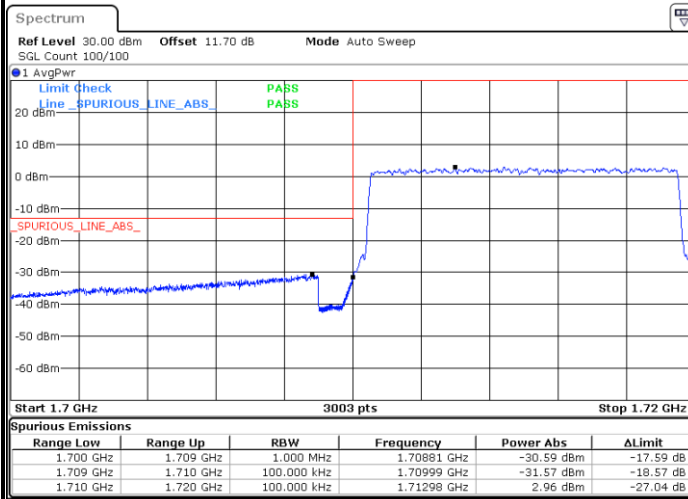
Lowest Band Edge / 1 RB



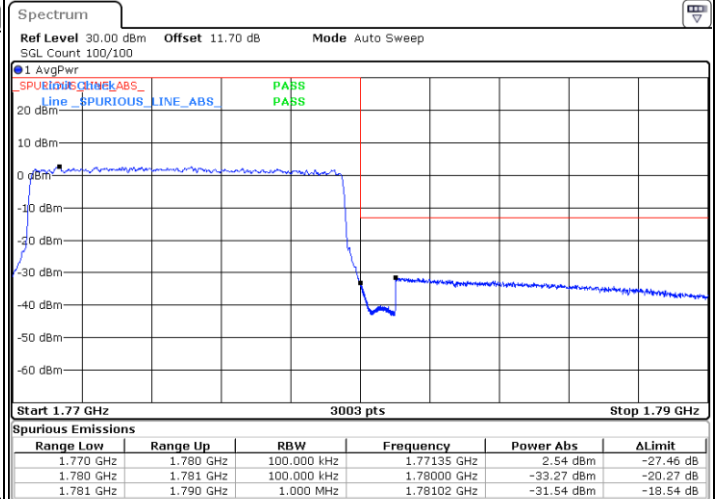
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



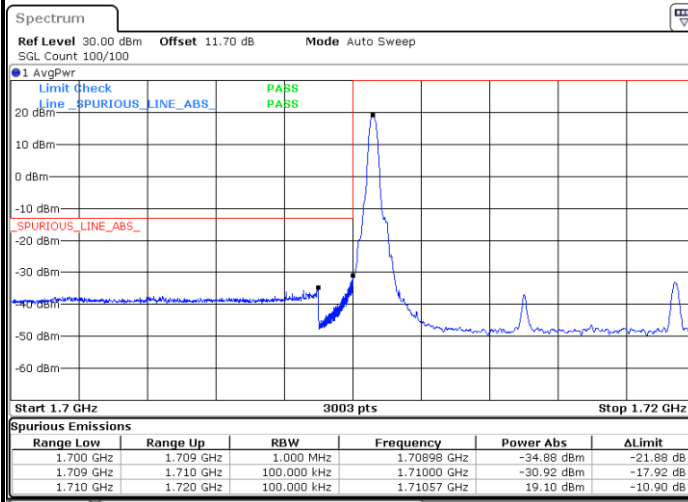
Highest Band Edge / Full RB



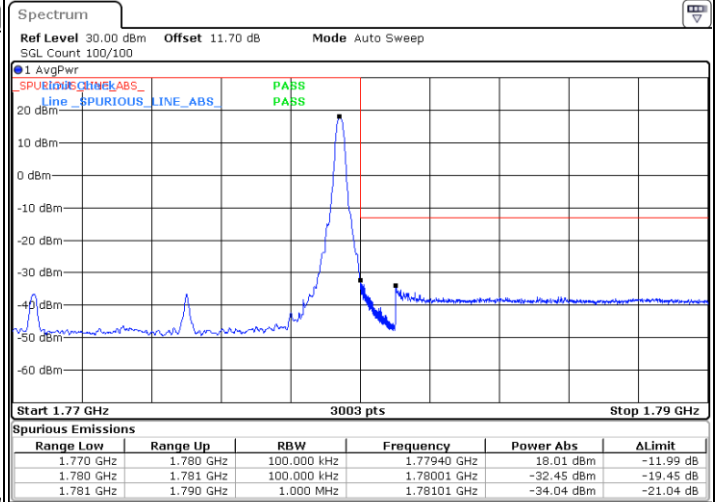


LTE Band 66 / 10MHz / 16QAM

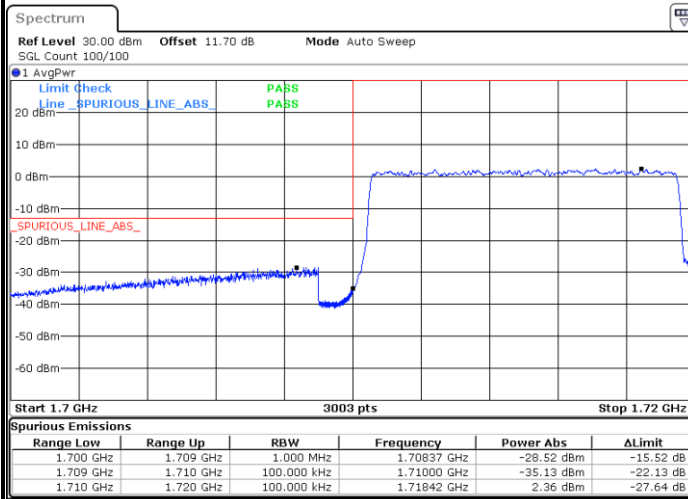
Lowest Band Edge / 1 RB



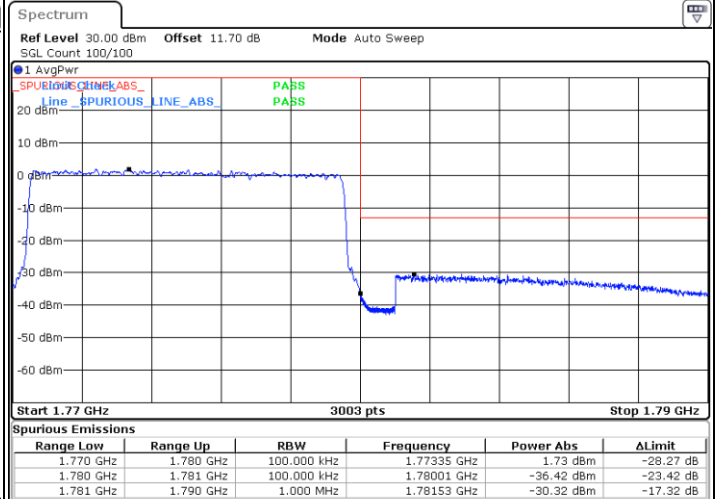
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



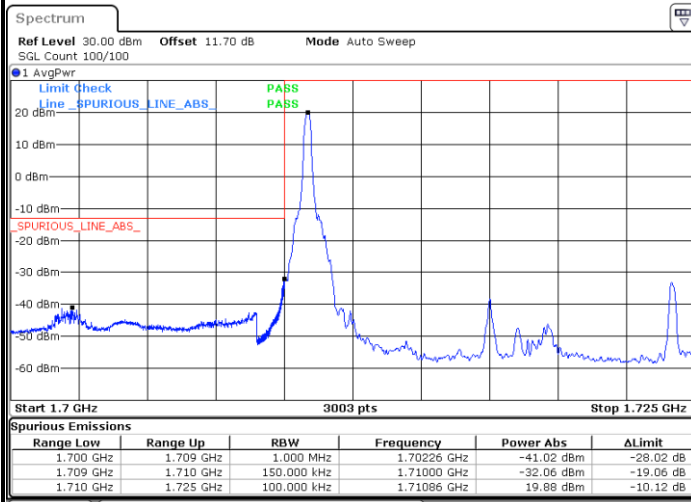
Highest Band Edge / Full RB



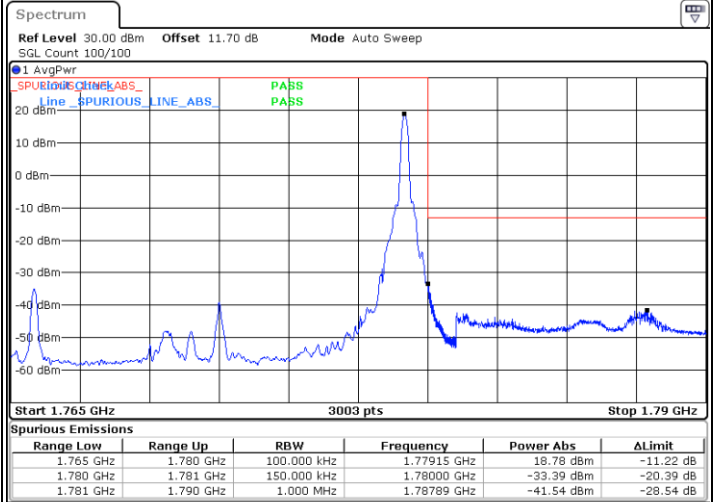


LTE Band 66 / 15MHz / QPSK

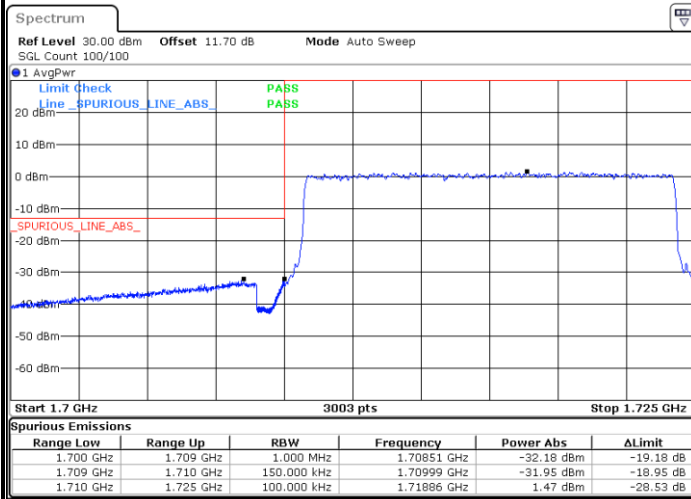
Lowest Band Edge / 1 RB



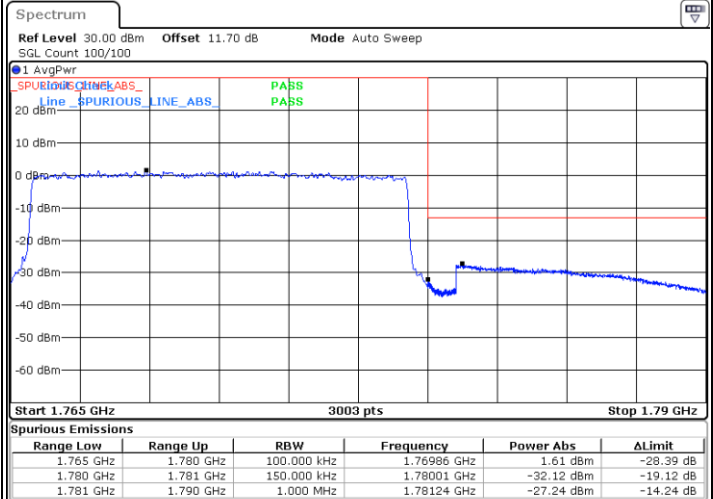
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



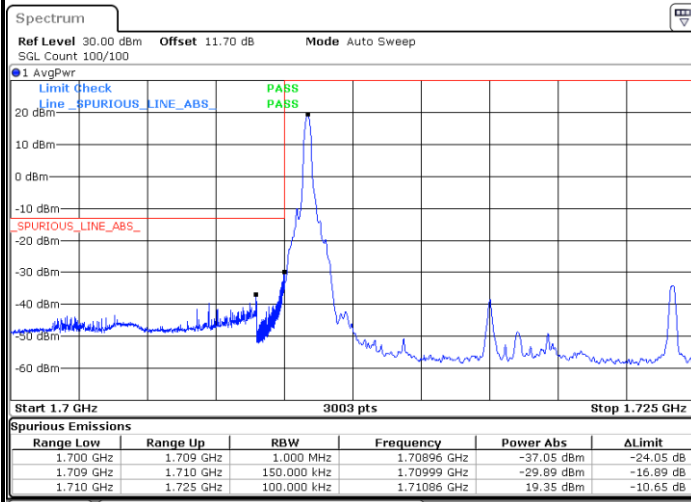
Highest Band Edge / Full RB



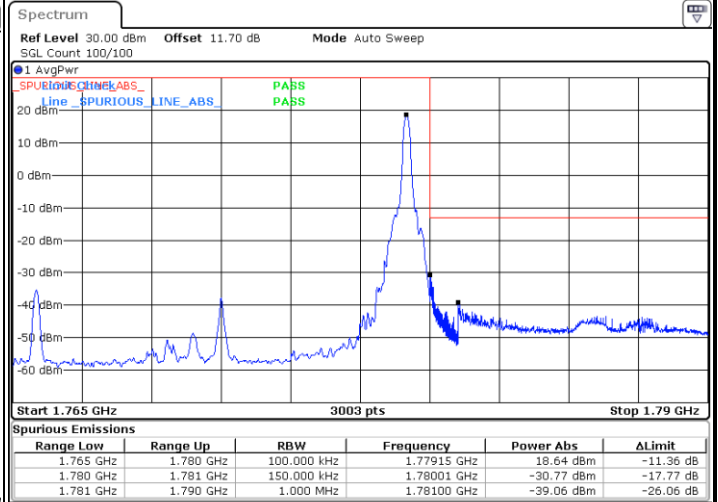


LTE Band 66 / 15MHz / 16QAM

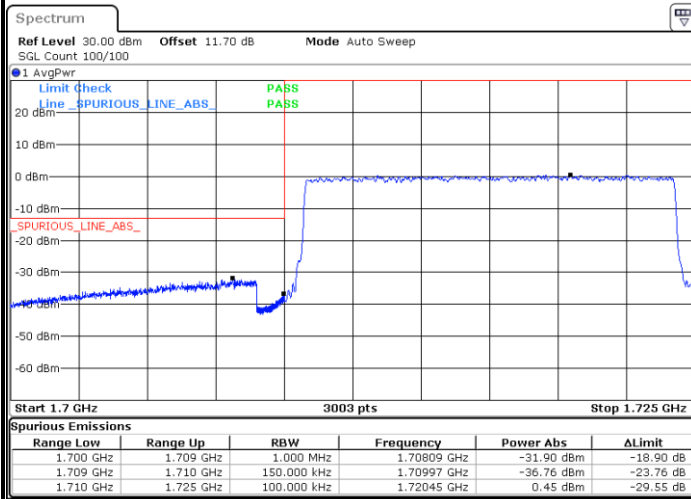
Lowest Band Edge / 1 RB



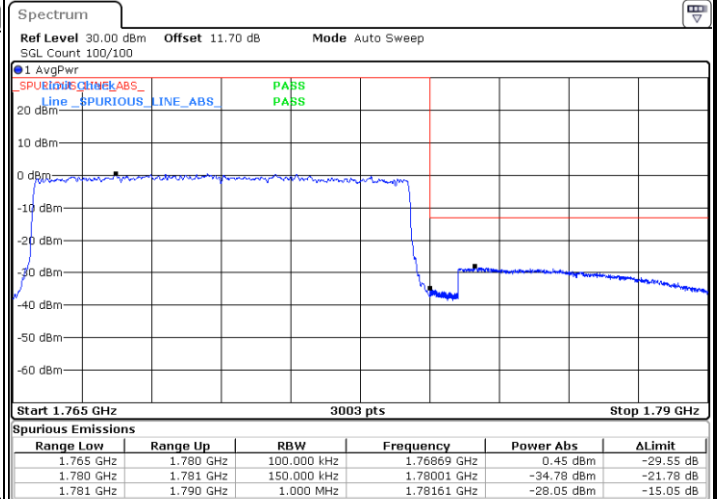
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



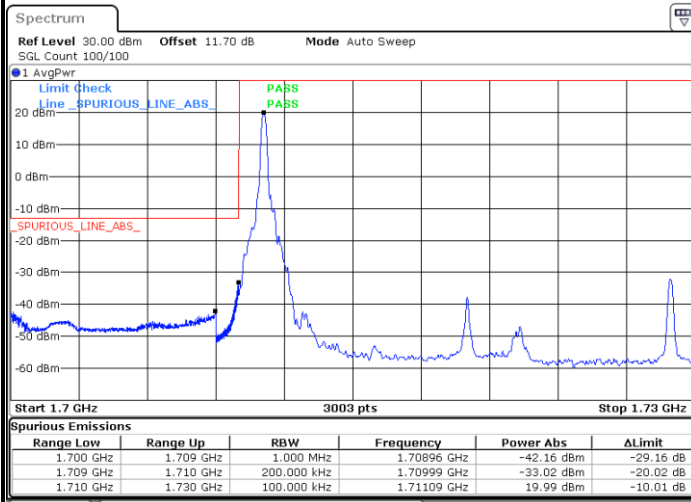
Highest Band Edge / Full RB



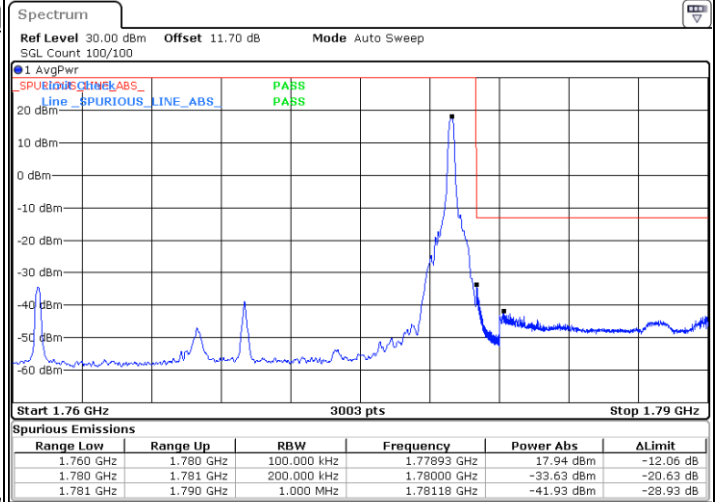


LTE Band 66 / 20MHz / QPSK

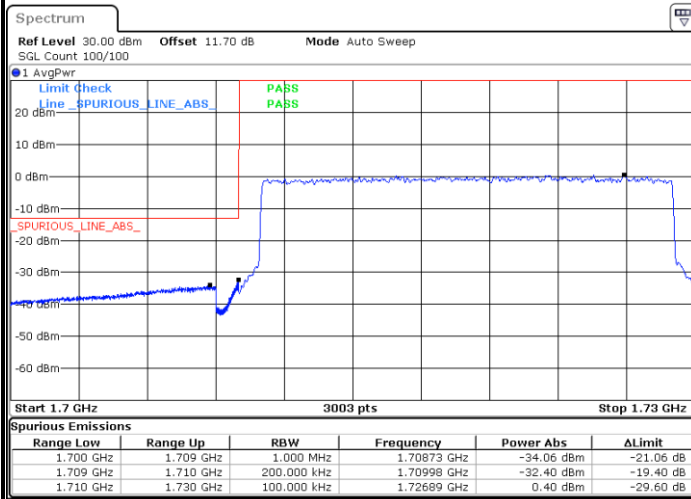
Lowest Band Edge / 1 RB



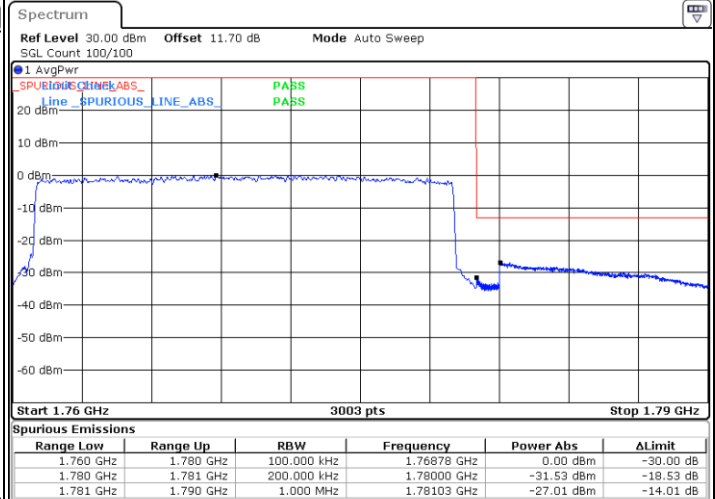
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



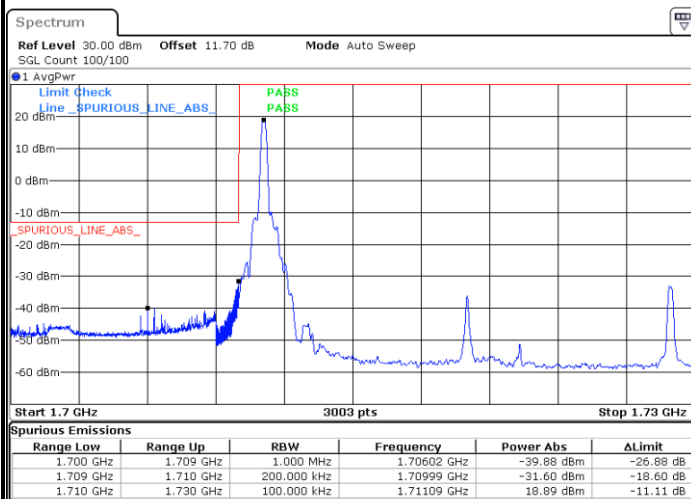
Highest Band Edge / Full RB



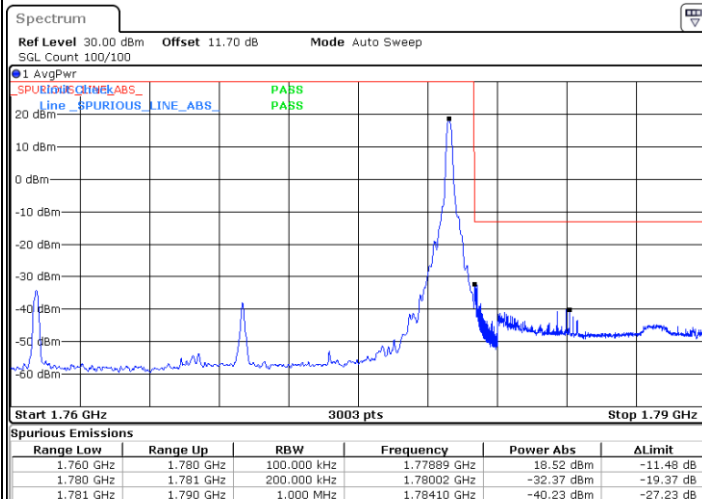


LTE Band 66 / 20MHz / 16QAM

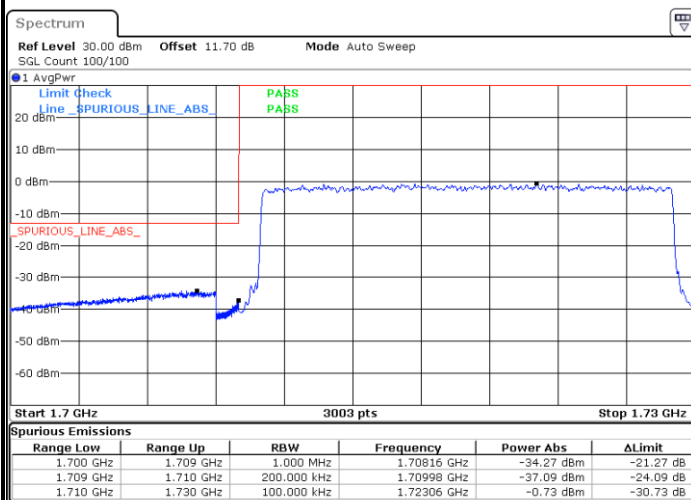
Lowest Band Edge / 1 RB



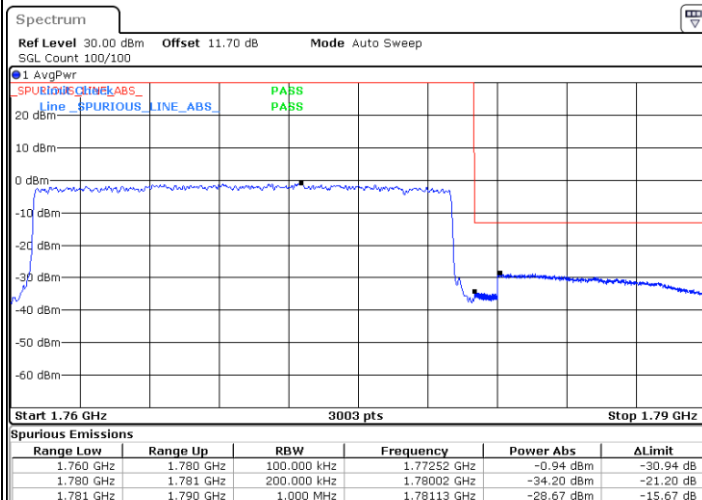
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

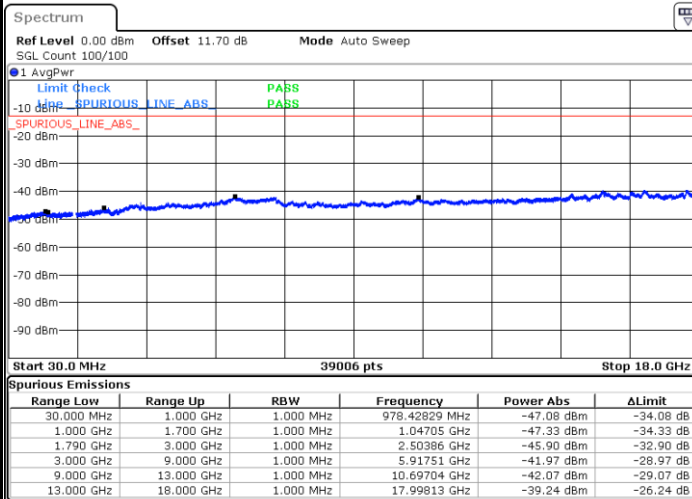




Conducted Spurious Emission

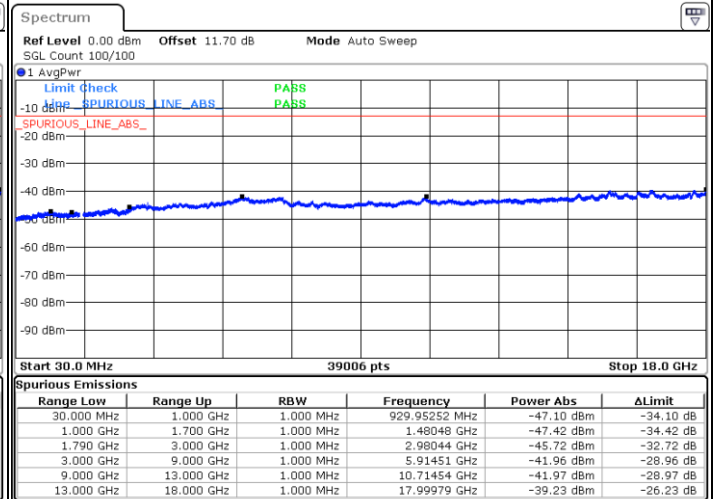
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



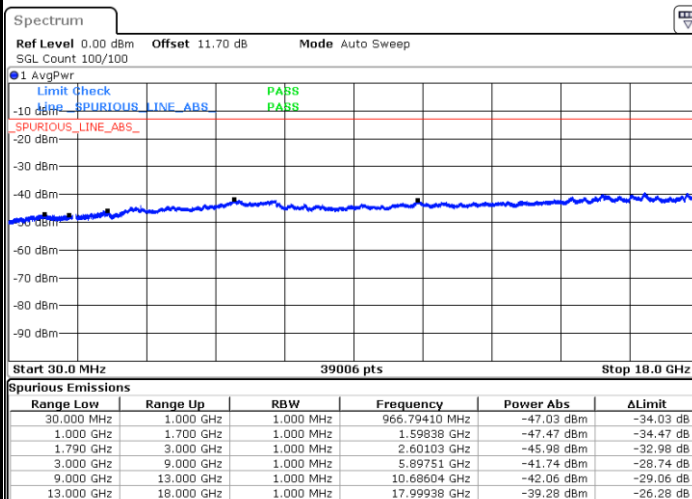
Date: 8.MAY.2020 23:16:00

Lowest Channel / 16QAM



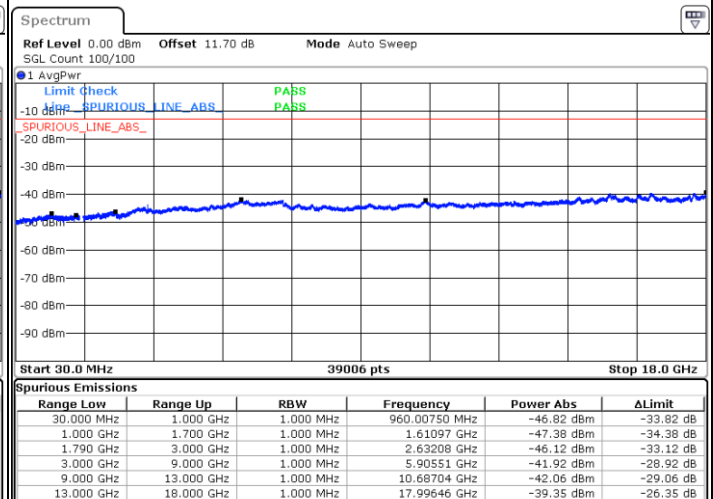
Date: 8.MAY.2020 23:16:41

Middle Channel / QPSK



Date: 8.MAY.2020 23:18:11

Middle Channel / 16QAM

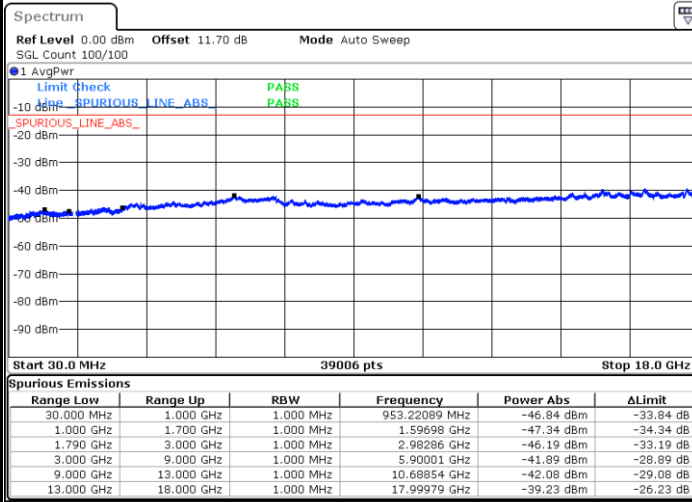


Date: 8.MAY.2020 23:18:52



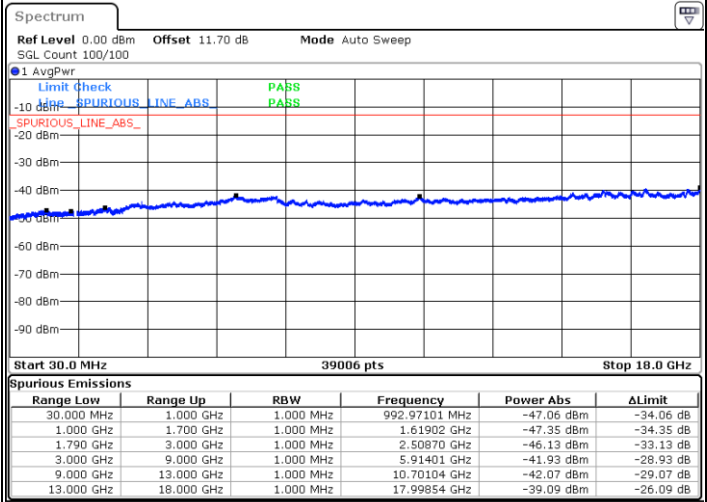
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 8.MAY.2020 23:24:36

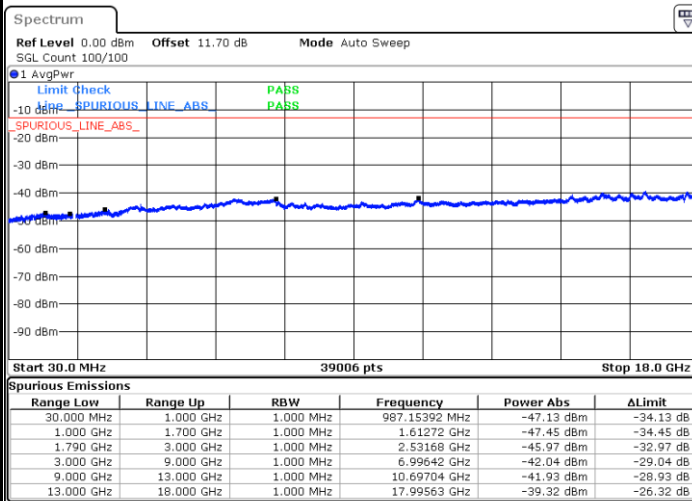
Highest Channel / 16QAM



Date: 8.MAY.2020 23:25:18

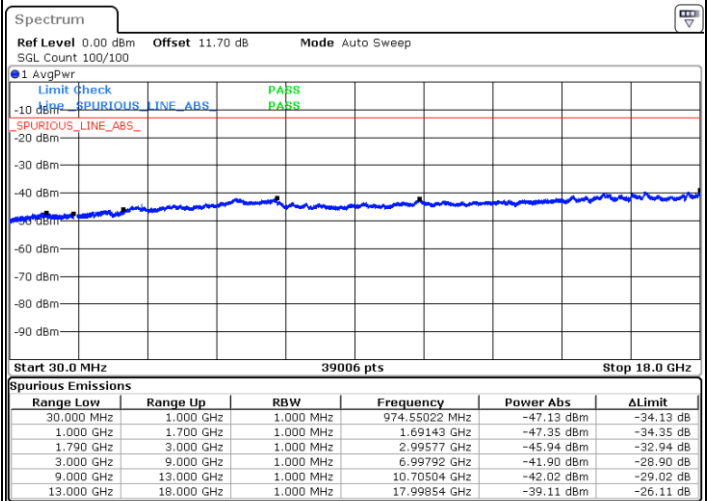
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 8.MAY.2020 23:30:50

Lowest Channel / 16QAM

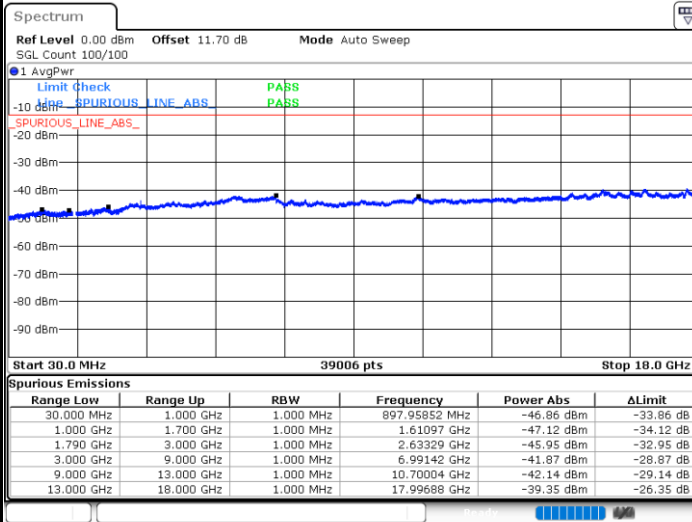


Date: 8.MAY.2020 23:31:31



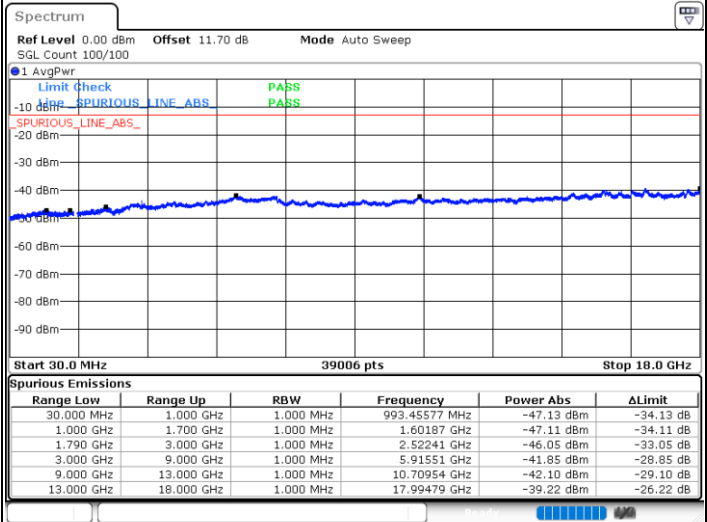
LTE Band 66 / 3MHz

Middle Channel / QPSK



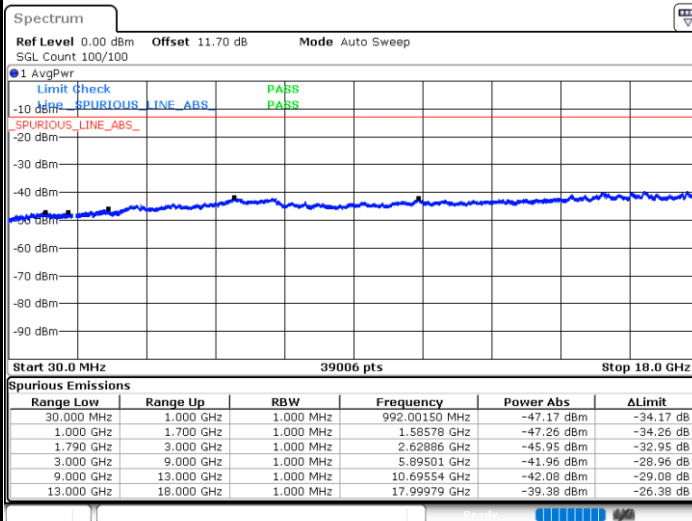
Date: 8.MAY.2020 23:33:02

Middle Channel / 16QAM



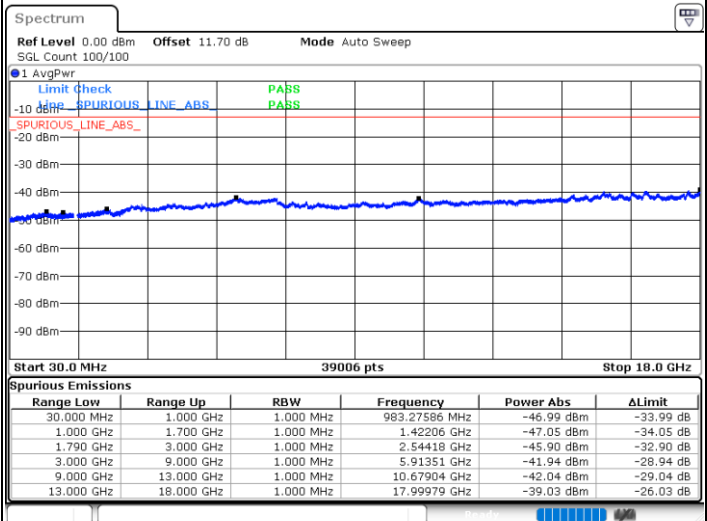
Date: 8.MAY.2020 23:33:43

Highest Channel / QPSK



Date: 8.MAY.2020 23:39:15

Highest Channel / 16QAM

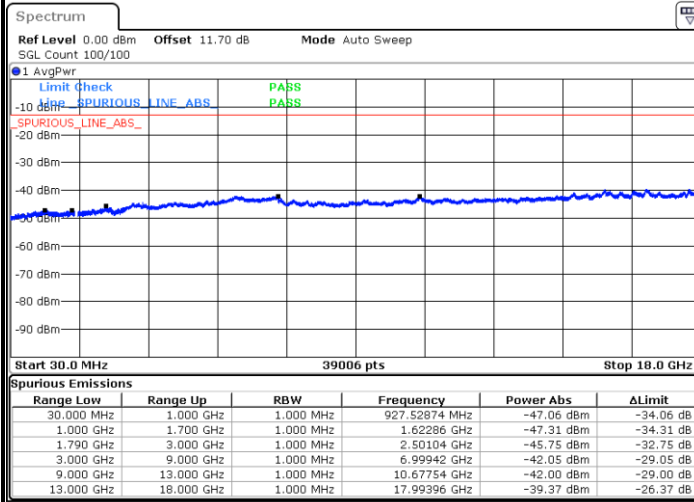


Date: 8.MAY.2020 23:39:56



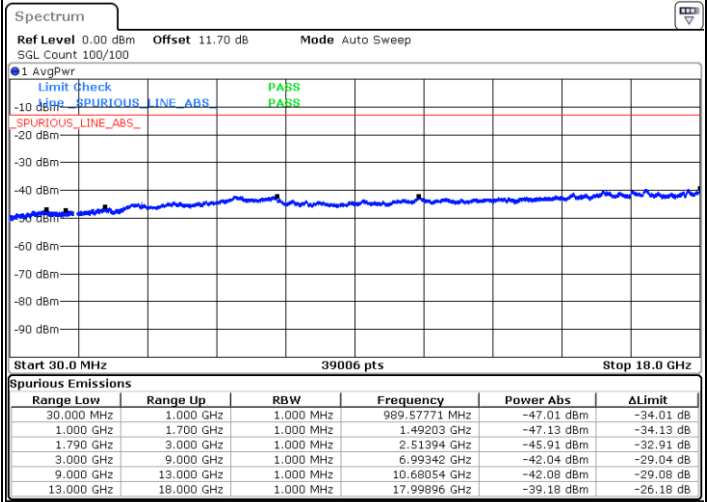
LTE Band 66 / 5MHz

Lowest Channel / QPSK



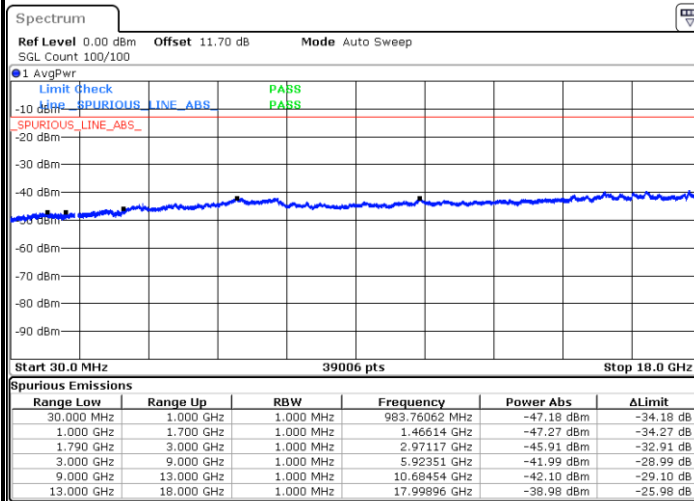
Date: 8.MAY.2020 23:45:28

Lowest Channel / 16QAM



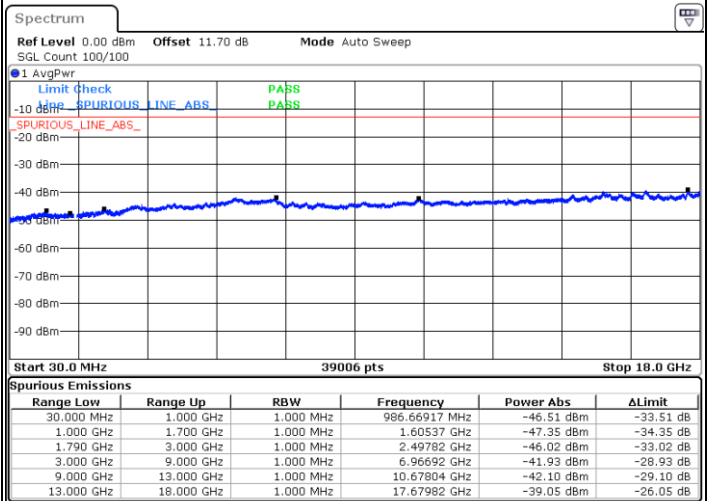
Date: 8.MAY.2020 23:46:09

Middle Channel / QPSK



Date: 8.MAY.2020 23:47:40

Middle Channel / 16QAM

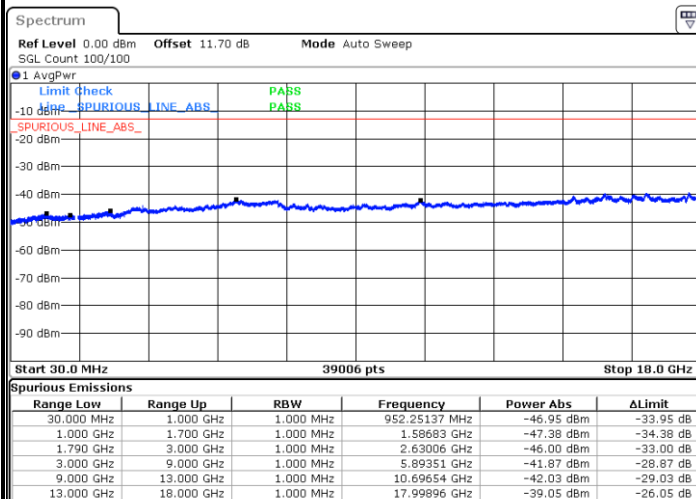


Date: 8.MAY.2020 23:48:21



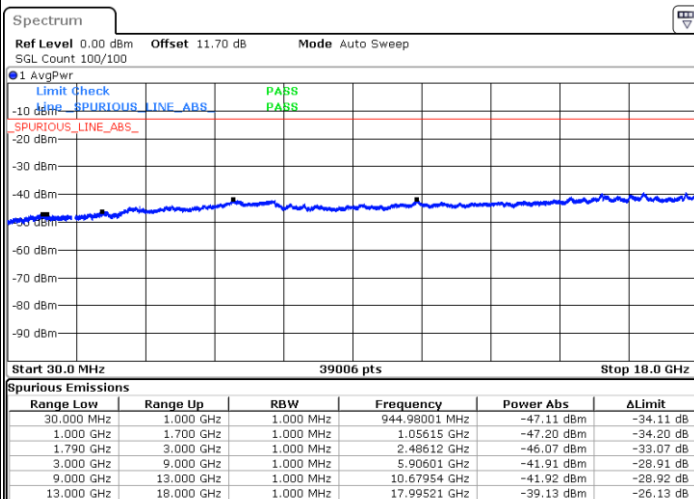
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 8.MAY.2020 23:53:53

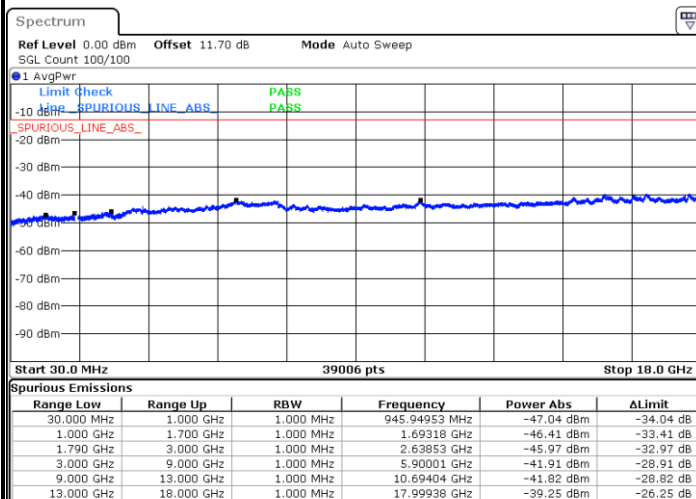
Highest Channel / 16QAM



Date: 8.MAY.2020 23:54:34

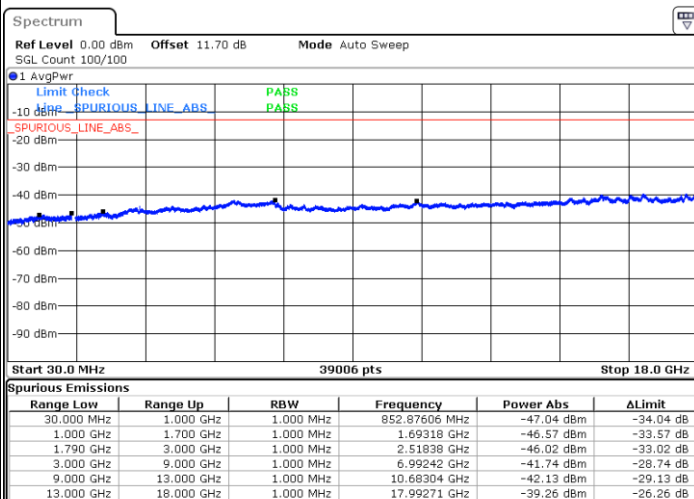
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 9.MAY.2020 00:00:06

Lowest Channel / 16QAM

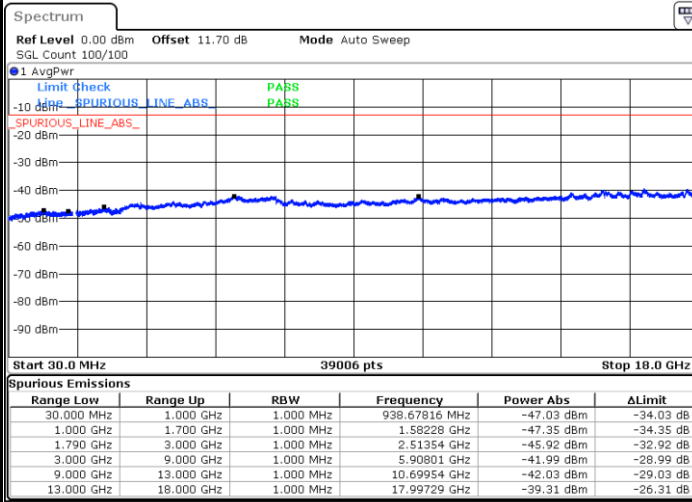


Date: 9.MAY.2020 00:00:48



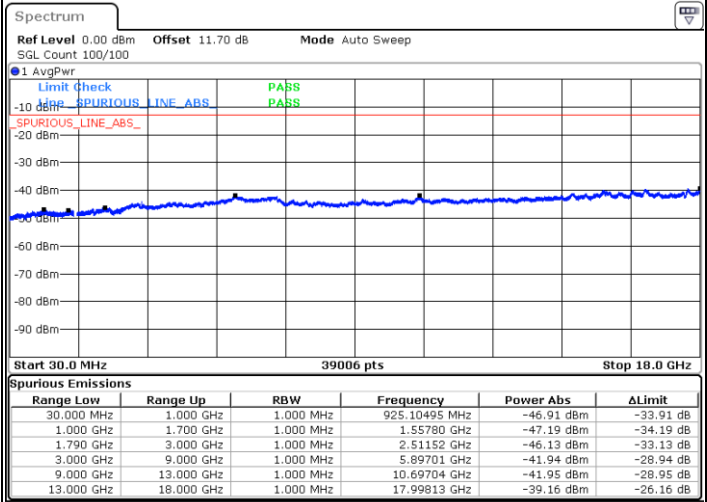
LTE Band 66 / 10MHz

Middle Channel / QPSK



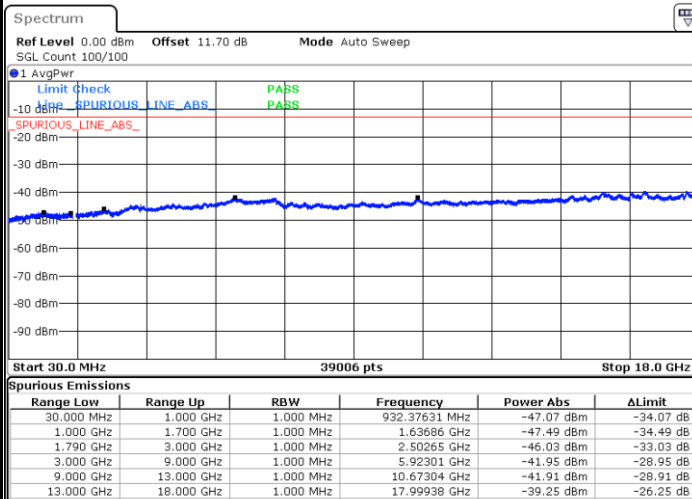
Date: 9.MAY.2020 00:02:18

Middle Channel / 16QAM



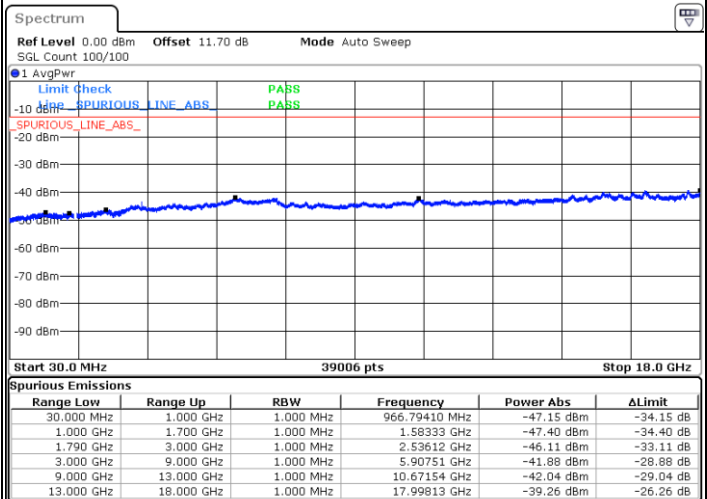
Date: 9.MAY.2020 00:02:59

Highest Channel / QPSK



Date: 9.MAY.2020 00:08:31

Highest Channel / 16QAM

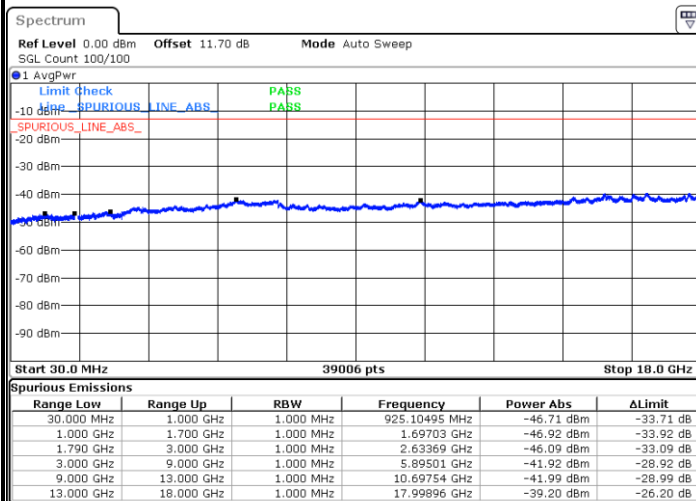


Date: 9.MAY.2020 00:09:12



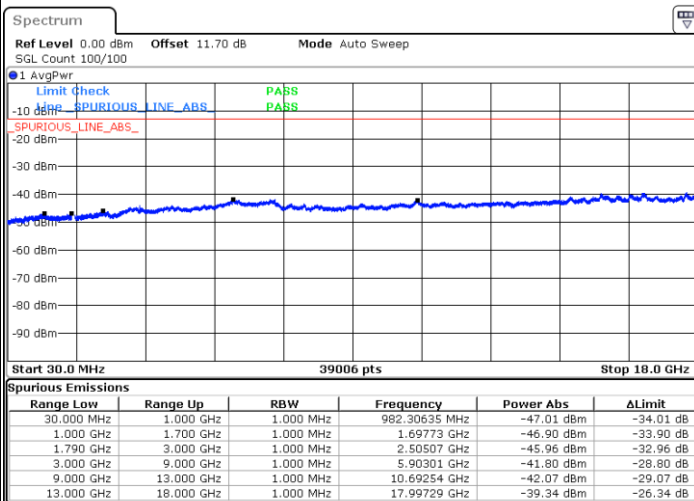
LTE Band 66 / 15MHz

Lowest Channel / QPSK



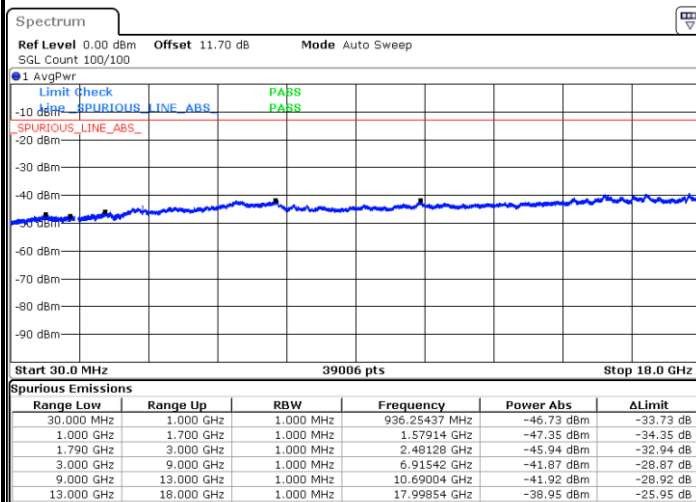
Date: 9.MAY.2020 00:14:45

Lowest Channel / 16QAM



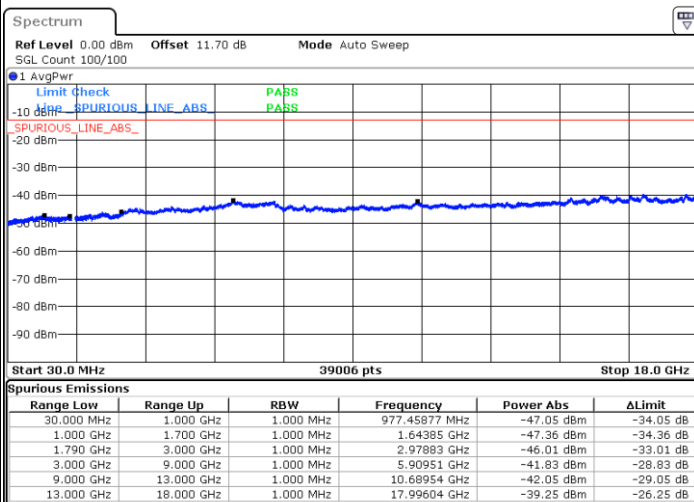
Date: 9.MAY.2020 00:15:27

Middle Channel / QPSK



Date: 9.MAY.2020 00:16:57

Middle Channel / 16QAM

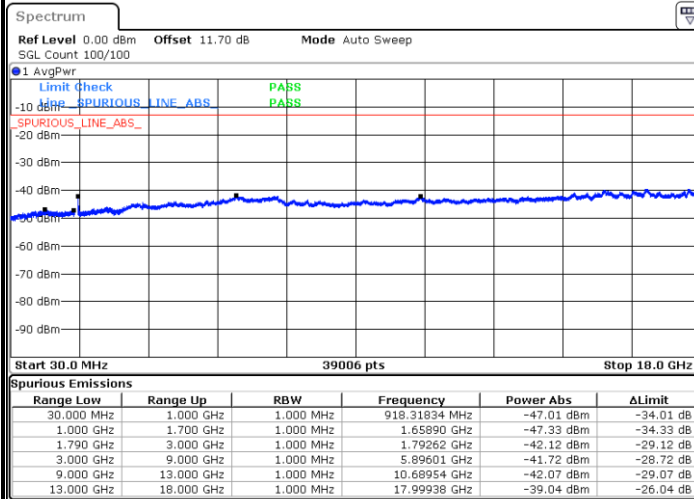


Date: 9.MAY.2020 00:17:38



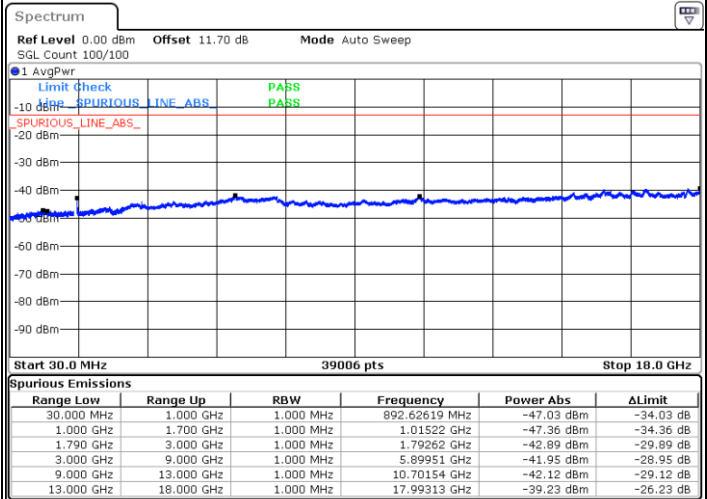
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 9.MAY.2020 00:23:09

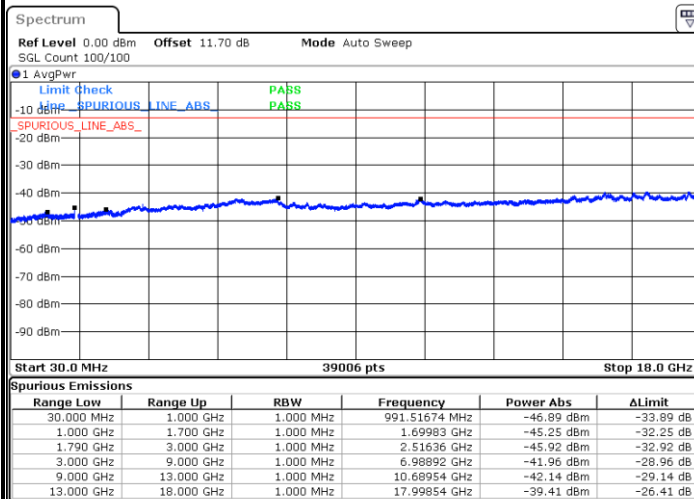
Highest Channel / 16QAM



Date: 9.MAY.2020 00:23:50

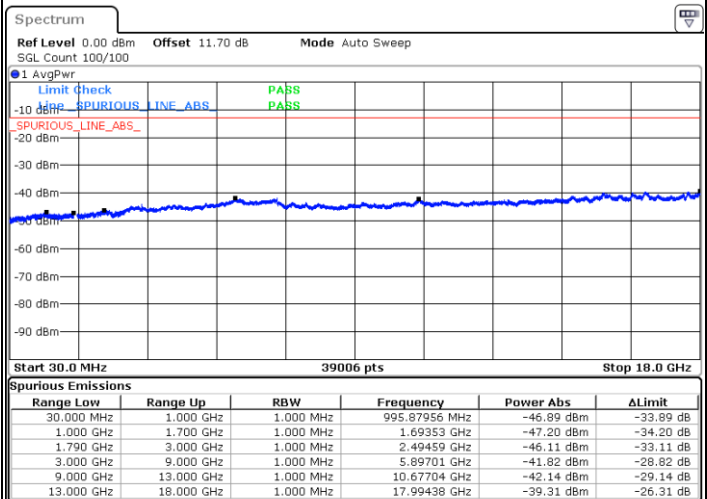
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 9.MAY.2020 00:29:23

Lowest Channel / 16QAM

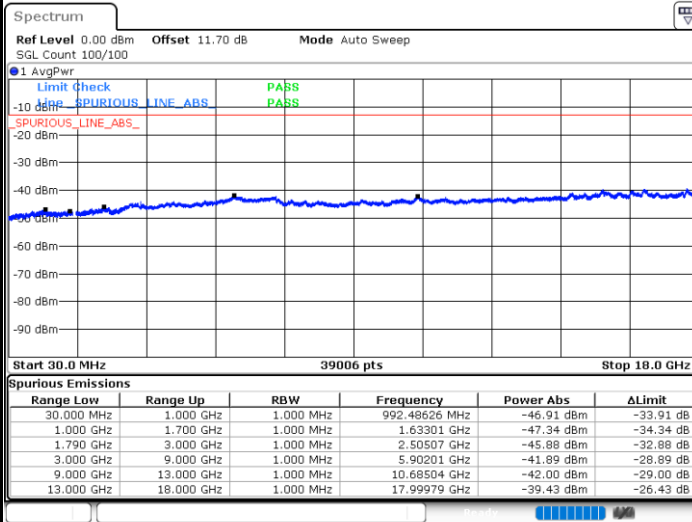


Date: 9.MAY.2020 00:30:04



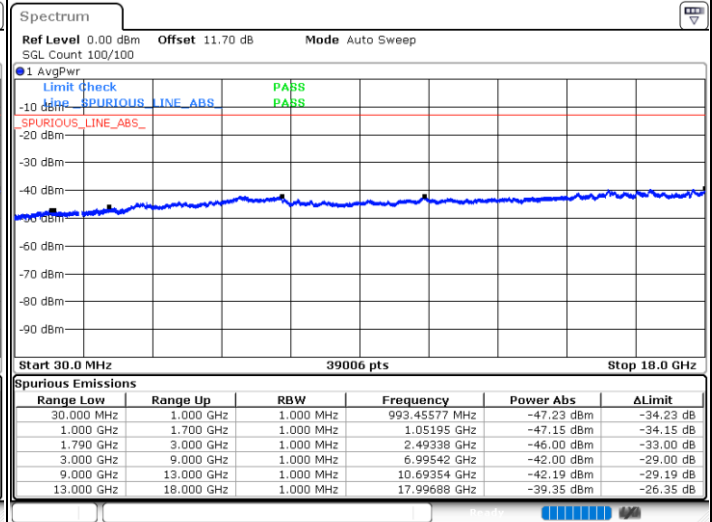
LTE Band 66 / 20MHz

Middle Channel / QPSK



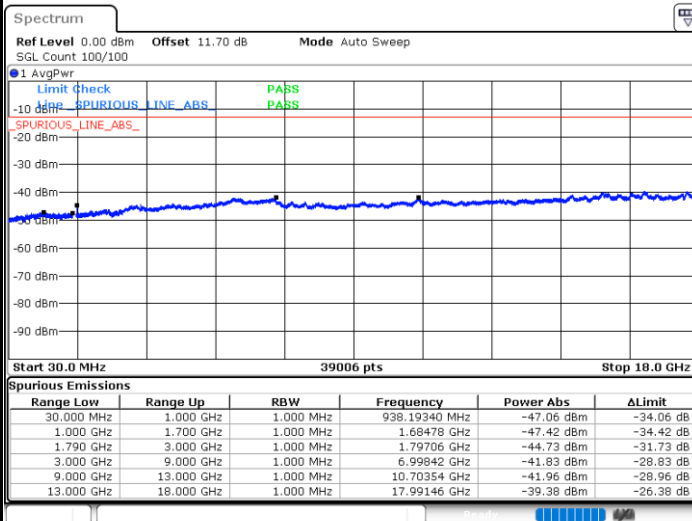
Date: 9.MAY.2020 00:31:35

Middle Channel / 16QAM



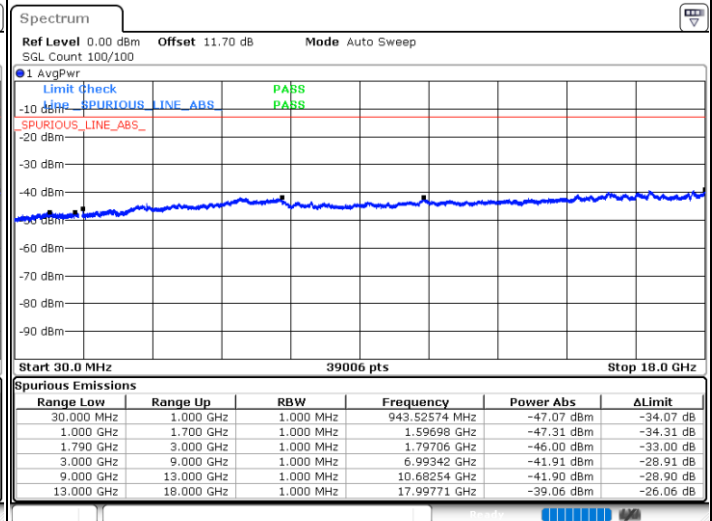
Date: 9.MAY.2020 00:32:16

Highest Channel / QPSK



Date: 9.MAY.2020 00:37:47

Highest Channel / 16QAM



Date: 9.MAY.2020 00:38:29

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**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	1	0	22.59	0.1816	24.09	0.2564
Middle		1	0	22.59	0.1816	24.09	0.2564
Highest		1	0	22.41	0.1742	23.91	0.2460
Lowest	16QAM	1	0	22.05	0.1603	23.55	0.2265
Middle		1	0	22.01	0.1589	23.51	0.2244
Highest		1	0	22.00	0.1585	23.50	0.2239
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	14	22.88	0.1941	24.38	0.2742
Middle		1	14	22.82	0.1914	24.32	0.2704
Highest		1	14	23.05	0.2018	24.55	0.2851
Lowest	16QAM	1	0	22.36	0.1722	23.86	0.2432
Middle		1	0	22.28	0.1690	23.78	0.2388
Highest		1	0	22.23	0.1671	23.73	0.2360
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	0	22.81	0.1910	24.31	0.2698
Middle		1	0	22.80	0.1905	24.30	0.2692
Highest		1	0	22.62	0.1828	24.12	0.2582
Lowest	16QAM	1	0	22.11	0.1626	23.61	0.2296
Middle		1	0	22.05	0.1603	23.55	0.2265
Highest		1	0	22.03	0.1596	23.53	0.2254
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	0	22.98	0.1986	24.48	0.2805
Middle		1	0	22.81	0.1910	24.31	0.2698
Highest		1	0	22.77	0.1892	24.27	0.2673
Lowest	16QAM	1	0	22.35	0.1718	23.85	0.2427
Middle		1	0	22.17	0.1648	23.67	0.2328
Highest		1	0	22.17	0.1648	23.67	0.2328
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	0	22.98	0.1986	24.48	0.2805
Middle		1	0	22.99	0.1991	24.49	0.2812
Highest		1	0	22.93	0.1963	24.43	0.2773
Lowest	16QAM	1	0	22.49	0.1774	23.99	0.2506
Middle		1	0	22.50	0.1778	24.00	0.2512
Highest		1	0	22.26	0.1683	23.76	0.2377
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	0	23.06	0.2023	24.56	0.2858
Middle		1	0	23.09	0.2037	24.59	0.2877
Highest		1	0	23.01	0.2000	24.51	0.2825
Lowest	16QAM	1	0	22.50	0.1778	24.00	0.2512
Middle		1	0	22.49	0.1774	23.99	0.2506
Highest		1	0	22.32	0.1706	23.82	0.2410
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.56	0.1803	24.56	0.2858
Middle		1	3	22.55	0.1799	24.55	0.2851
Highest		1	3	22.65	0.1841	24.65	0.2917
Lowest	16QAM	1	5	21.78	0.1507	23.78	0.2388
Middle		1	5	21.46	0.1400	23.46	0.2218
Highest		1	5	21.49	0.1409	23.49	0.2234
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.69	0.1858	24.69	0.2944
Middle		1	8	22.58	0.1811	24.58	0.2871
Highest		1	8	22.79	0.1901	24.79	0.3013
Lowest	16QAM	1	14	22.28	0.1690	24.28	0.2679
Middle		1	14	21.95	0.1567	23.95	0.2483
Highest		1	14	22.06	0.1607	24.06	0.2547
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.57	0.1807	24.57	0.2864
Middle		1	24	22.83	0.1919	24.83	0.3041
Highest		1	24	22.72	0.1871	24.72	0.2965
Lowest	16QAM	1	24	21.92	0.1556	23.92	0.2466
Middle		1	24	21.72	0.1486	23.72	0.2355
Highest		1	24	21.76	0.1500	23.76	0.2377
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.73	0.1875	24.73	0.2972
Middle		1	25	22.69	0.1858	24.69	0.2944
Highest		1	25	22.91	0.1954	24.91	0.3097
Lowest	16QAM	1	0	21.97	0.1574	23.97	0.2495
Middle		1	0	22.05	0.1603	24.05	0.2541
Highest		1	0	21.65	0.1462	23.65	0.2317
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.83	0.1919	24.83	0.3041
Middle		1	74	22.95	0.1972	24.95	0.3126
Highest		1	74	22.91	0.1954	24.91	0.3097
Lowest	16QAM	1	37	22.21	0.1663	24.21	0.2636
Middle		1	37	21.89	0.1545	23.89	0.2449
Highest		1	37	22.18	0.1652	24.18	0.2618
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.05	0.2018	25.05	0.3199
Middle		1	0	23.06	0.2023	25.06	0.3206
Highest		1	0	23.01	0.2000	25.01	0.3170
Lowest	16QAM	1	49	22.36	0.1722	24.36	0.2729
Middle		1	49	22.06	0.1607	24.06	0.2547
Highest		1	49	22.36	0.1722	24.36	0.2729
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 0 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.41	0.2193	21.26	0.1337
Middle		1	0	23.71	0.2350	21.56	0.1432
Highest		1	0	23.62	0.2301	21.47	0.1403
Lowest	16QAM	1	0	22.83	0.1919	20.68	0.1169
Middle		1	0	22.94	0.1968	20.79	0.1199
Highest		1	0	23.02	0.2004	20.87	0.1222
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 0 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.54	0.2259	21.39	0.1377
Middle		1	0	23.75	0.2371	21.60	0.1445
Highest		1	0	23.72	0.2355	21.57	0.1435
Lowest	16QAM	1	0	22.95	0.1972	20.80	0.1202
Middle		1	0	23.14	0.2061	20.99	0.1256
Highest		1	0	23.10	0.2042	20.95	0.1245
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 0 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.46	0.2218	21.31	0.1352
Middle		1	0	23.85	0.2427	21.70	0.1479
Highest		1	0	23.73	0.2360	21.58	0.1439
Lowest	16QAM	1	0	22.74	0.1879	20.59	0.1146
Middle		1	0	23.13	0.2056	20.98	0.1253
Highest		1	0	23.03	0.2009	20.88	0.1225
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = 0 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.85	0.2427	21.70	0.1479
Middle		1	0	23.88	0.2443	21.73	0.1489
Highest		1	0	23.84	0.2421	21.69	0.1476
Lowest	16QAM	1	0	23.01	0.2000	20.86	0.1219
Middle		1	0	23.30	0.2138	21.15	0.1303
Highest		1	0	23.12	0.2051	20.97	0.1250
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	1	0	22.87	0.1936	18.72	0.0745
Middle		1	0	22.99	0.1991	18.84	0.0766
Highest		1	0	22.82	0.1914	18.67	0.0736
Lowest	16QAM	1	0	22.18	0.1652	18.03	0.0635
Middle		1	0	22.19	0.1656	18.04	0.0637
Highest		1	0	22.11	0.1626	17.96	0.0625
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	22.94	0.1968	18.79	0.0757
Middle		1	0	22.97	0.1982	18.82	0.0762
Highest		1	0	22.84	0.1923	18.69	0.0740
Lowest	16QAM	1	0	22.28	0.1690	18.13	0.0650
Middle		1	0	22.29	0.1694	18.14	0.0652
Highest		1	0	22.11	0.1626	17.96	0.0625
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	0	23.00	0.1995	18.85	0.0767
Middle		1	0	23.02	0.2004	18.87	0.0771
Highest		1	0	22.91	0.1954	18.76	0.0752
Lowest	16QAM	1	0	22.29	0.1694	18.14	0.0652
Middle		1	0	22.31	0.1702	18.16	0.0655
Highest		1	0	22.23	0.1671	18.08	0.0643
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	0	23.08	0.2032	18.93	0.0782
Middle		1	0	23.11	0.2046	18.96	0.0787
Highest		1	0	23.05	0.2018	18.90	0.0776
Lowest	16QAM	1	0	22.48	0.1770	18.33	0.0681
Middle		1	0	22.44	0.1754	18.29	0.0675
Highest		1	0	22.30	0.1698	18.15	0.0653
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	0	23.12	0.2051	20.47	0.1114
Middle		1	0	23.14	0.2061	20.49	0.1119
Highest		1	0	23.12	0.2051	20.47	0.1114
Lowest	16QAM	1	0	22.33	0.1710	19.68	0.0929
Middle		1	0	22.37	0.1726	19.72	0.0938
Highest		1	0	22.34	0.1714	19.69	0.0931
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	0	23.18	0.2080	20.53	0.1130
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	22.45	0.1758	19.80	0.0955
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.42	0.1746	24.42	0.2767
Middle		1	0	22.53	0.1791	24.53	0.2838
Highest		1	0	22.56	0.1803	24.56	0.2858
Lowest	16QAM	1	5	21.67	0.1469	23.67	0.2328
Middle		1	5	21.46	0.1400	23.46	0.2218
Highest		1	5	21.41	0.1384	23.41	0.2193
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.68	0.1854	24.68	0.2938
Middle		1	8	22.84	0.1923	24.84	0.3048
Highest		1	8	22.94	0.1968	24.94	0.3119
Lowest	16QAM	1	14	21.85	0.1531	23.85	0.2427
Middle		1	14	21.64	0.1459	23.64	0.2312
Highest		1	14	21.90	0.1549	23.90	0.2455
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.67	0.1849	24.67	0.2931
Middle		1	0	22.78	0.1897	24.78	0.3006
Highest		1	0	22.76	0.1888	24.76	0.2992
Lowest	16QAM	1	12	21.90	0.1549	23.90	0.2455
Middle		1	12	21.73	0.1489	23.73	0.2360
Highest		1	12	22.08	0.1614	24.08	0.2559
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.77	0.1892	24.77	0.2999
Middle		1	0	22.87	0.1936	24.87	0.3069
Highest		1	0	22.86	0.1932	24.86	0.3062
Lowest	16QAM	1	25	21.82	0.1521	23.82	0.2410
Middle		1	25	21.71	0.1483	23.71	0.2350
Highest		1	25	21.97	0.1574	23.97	0.2495
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.89	0.1945	24.89	0.3083
Middle		1	0	22.93	0.1963	24.93	0.3112
Highest		1	0	22.92	0.1959	24.92	0.3105
Lowest	16QAM	1	37	21.94	0.1563	23.94	0.2477
Middle		1	37	21.85	0.1531	23.85	0.2427
Highest		1	37	22.11	0.1626	24.11	0.2576
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.00	0.1995	25.00	0.3162
Middle		1	0	23.11	0.2046	25.11	0.3243
Highest		1	0	23.05	0.2018	25.05	0.3199
Lowest	16QAM	1	49	22.07	0.1611	24.07	0.2553
Middle		1	49	22.03	0.1596	24.03	0.2529
Highest		1	49	22.18	0.1652	24.18	0.2618
Limit	EIRP < 1W			Result		PASS	

**Radiated Spurious Emission****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	-49.08	-13	-36.08	-69.62	-59.39	1.97	12.28	H
	5555	-41.73	-13	-28.73	-65.3	-51.86	2.14	12.28	H
	7400	-47.80	-13	-34.80	-75.91	-55.80	2.18	10.18	H
									H
									H
									H
	3700	-49.92	-13	-36.92	-70.98	-60.23	1.97	12.28	V
	5555	-44.51	-13	-31.51	-68.7	-54.64	2.14	12.28	V
	7400	-47.47	-13	-34.47	-75.55	-55.47	2.18	10.18	V
									V
									V
									V
Middle	3760	-55.38	-13	-42.38	-76.07	-65.62	2.01	12.24	H
	5640	-52.60	-13	-39.60	-76.26	-62.87	2.12	12.40	H
	7520	-47.44	-13	-34.44	-75.24	-55.40	2.11	10.07	H
									H
									H
									H
	3760	-54.21	-13	-41.21	-75.39	-64.45	2.01	12.24	V
	5640	-52.02	-13	-39.02	-76.31	-62.29	2.12	12.40	V
	7520	-47.86	-13	-34.86	-75.55	-55.82	2.11	10.07	V
									V
									V
									V
Highest	3784	-50.32	-13	-37.32	-71.06	-60.53	2.02	12.23	H
	5676	-46.25	-13	-33.25	-70.08	-56.58	2.11	12.45	H
	7568	-48.30	-13	-35.30	-75.78	-56.43	2.11	10.24	H
									H
									H
									H
	3784	-51.29	-13	-38.29	-72.52	-61.50	2.02	12.23	V
	5676	-49.39	-13	-36.39	-73.82	-59.72	2.11	12.45	V
	7568	-48.28	-13	-35.28	-75.74	-56.41	2.11	10.24	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)
Lowest	3420	-56.89	-13	-43.89	-75.92	-67.25	1.80	12.16	H
	5135	-53.48	-13	-40.48	-76.89	-63.30	2.30	12.13	H
	6843	-50.45	-13	-37.45	-76.63	-59.14	2.37	11.06	H
									H
									H
									H
	3420	-56.25	-13	-43.25	-75.91	-66.61	1.80	12.16	V
	5135	-52.95	-13	-39.95	-76.93	-62.77	2.30	12.13	V
	6843	-49.93	-13	-36.93	-76.66	-58.62	2.37	11.06	V
									V
									V
									V
Middle	3447	-56.48	-13	-43.48	-75.76	-66.89	1.83	12.24	H
	5170	-53.32	-13	-40.32	-76.76	-63.16	2.29	12.13	H
	6894	-50.29	-13	-37.29	-76.62	-58.91	2.38	11.01	H
									H
									H
									H
	3447	-56.07	-13	-43.07	-75.92	-66.48	1.83	12.24	V
	5170	-52.95	-13	-39.95	-76.95	-62.79	2.29	12.13	V
	6894	-49.78	-13	-36.78	-76.7	-58.40	2.38	11.01	V
									V
									V
									V
Highest	3472	-56.59	-13	-43.59	-76.1	-67.06	1.85	12.32	H
	5208	-54.16	-13	-41.16	-77.63	-64.03	2.27	12.14	H
	6944	-50.15	-13	-37.15	-76.65	-58.71	2.40	10.96	H
									H
									H
									H
	3472	-56.22	-13	-43.22	-76.25	-66.69	1.85	12.32	V
	5208	-53.04	-13	-40.04	-77.06	-62.91	2.27	12.14	V
	6944	-49.47	-13	-36.47	-76.59	-58.03	2.40	10.96	V
									V
									V
									V

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

**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	1648	-62.10	-13	-49.10	-75.07	-67.49	1.23	8.76	H
	2473	-59.13	-13	-46.13	-75.96	-66.02	1.44	10.48	H
	3298	-57.14	-13	-44.14	-75.73	-65.08	1.70	11.79	H
									H
									H
									H
	1648	-62.24	-13	-49.24	-75.09	-67.63	1.23	8.76	V
	2473	-58.31	-13	-45.31	-75.43	-65.20	1.44	10.48	V
	3298	-57.08	-13	-44.08	-76.07	-65.02	1.70	11.79	V
									V
									V
									V
Middle	1664	-60.99	-13	-47.99	-74	-66.43	1.23	8.82	H
	2496	-58.74	-13	-45.74	-75.51	-65.65	1.44	10.50	H
	3328	-57.48	-13	-44.48	-75.87	-65.49	1.73	11.88	H
									H
									H
									H
	1664	-61.07	-13	-48.07	-73.96	-66.51	1.23	8.82	V
	2496	-58.55	-13	-45.55	-75.53	-65.46	1.44	10.50	V
	3328	-56.42	-13	-43.42	-75.29	-64.43	1.73	11.88	V
									V
									V
									V
Highest	1680	-61.88	-13	-48.88	-74.92	-67.38	1.24	8.88	H
	2520	-58.67	-13	-45.67	-75.46	-65.60	1.44	10.52	H
	3360	-57.55	-13	-44.55	-75.76	-65.62	1.76	11.98	H
									H
									H
									H
	1680	-61.94	-13	-48.94	-74.88	-67.44	1.24	8.88	V
	2520	-58.51	-13	-45.51	-75.5	-65.44	1.44	10.52	V
	3360	-57.24	-13	-44.24	-76.02	-65.31	1.76	11.98	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 / 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	1399	-59.89	-13	-46.89	-74.20	-64.33	1.15	7.74	H
	2098	-58.51	-13	-45.51	-75.31	-65.16	1.38	10.18	H
	2800	-57.88	-13	-44.88	-75.66	-65.02	1.45	10.74	H
									H
									H
									H
	1399	-60.53	-13	-47.53	-74.27	-64.97	1.15	7.74	V
	2098	-58.61	-13	-45.61	-75.66	-65.26	1.38	10.18	V
	2800	-57.59	-13	-44.59	-75.78	-64.73	1.45	10.74	V
									V
									V
									V
Middle	1406	-59.40	-13	-46.40	-73.67	-63.87	1.15	7.77	H
	2109	-58.82	-13	-45.82	-75.80	-65.48	1.38	10.19	H
	2808	-57.86	-13	-44.86	-75.65	-65.00	1.45	10.75	H
									H
									H
									H
	1406	-60.58	-13	-47.58	-74.31	-65.05	1.15	7.77	V
	2109	-58.30	-13	-45.30	-75.56	-64.96	1.38	10.19	V
	2808	-57.80	-13	-44.80	-76.00	-64.94	1.45	10.75	V
									V
									V
									V
Highest	1413	-59.60	-13	-46.60	-73.86	-64.10	1.15	7.80	H
	2120	-58.45	-13	-45.45	-75.61	-65.12	1.38	10.20	H
	2824	-57.88	-13	-44.88	-75.71	-65.04	1.45	10.76	H
									H
									H
									H
	1413	-60.33	-13	-47.33	-74.06	-64.83	1.15	7.80	V
	2120	-58.14	-13	-45.14	-75.61	-64.81	1.38	10.20	V
	2824	-57.92	-13	-44.92	-76.17	-65.08	1.45	10.76	V
									V
									V
									V

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

**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	1554	-61.02	-13	-48.02	-74.38	-66.08	1.19	8.41	H
	2332	-57.50	-13	-44.50	-75.01	-64.30	1.41	10.37	H
	3109	-56.77	-13	-43.77	-75.53	-64.30	1.55	11.23	H
									H
									H
									H
	1554	-61.34	-13	-48.34	-74.48	-66.40	1.19	8.41	V
	2332	-57.45	-13	-44.45	-75.49	-64.25	1.41	10.37	V
	3109	-56.41	-13	-43.41	-75.46	-63.94	1.55	11.23	V
									V
									V
									V
Middle	1559	-61.13	-42.15	-18.98	-74.44	-66.21	1.19	8.42	H
	2339	-58.05	-13	-45.05	-75.50	-64.86	1.41	10.37	H
	3119	-56.41	-13	-43.41	-75.22	-63.96	1.56	11.26	H
									H
									H
									H
	1559	-61.42	-42.15	-19.27	-74.51	-66.50	1.19	8.42	V
	2339	-57.12	-13	-44.12	-75.10	-63.93	1.41	10.37	V
	3119	-56.38	-13	-43.38	-75.47	-63.93	1.56	11.26	V
									V
									V
									V
Highest	1564	-60.98	-42.15	-18.83	-74.25	-66.08	1.19	8.44	H
	2347	-58.18	-13	-45.18	-75.59	-64.99	1.42	10.38	H
	3129	-56.54	-13	-43.54	-75.39	-64.11	1.57	11.29	H
									H
									H
									H
	1564	-61.14	-42.15	-18.99	-74.19	-66.24	1.19	8.44	V
	2347	-57.60	-13	-44.60	-75.54	-64.41	1.42	10.38	V
	3129	-56.33	-13	-43.33	-75.43	-63.90	1.57	11.29	V
									V
									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	1555	-60.74	-13	-47.74	-74.09	-65.81	1.19	8.41	H
	2332	-57.63	-13	-44.63	-75.14	-64.43	1.41	10.37	H
	3110	-56.87	-13	-43.87	-75.64	-64.40	1.55	11.23	H
									H
									H
									H
									H
	1555	-61.20	-13	-48.20	-74.33	-66.27	1.19	8.41	V
	2332	-57.34	-13	-44.34	-75.38	-64.14	1.41	10.37	V
	3110	-56.53	-13	-43.53	-75.59	-64.06	1.55	11.23	V
									V
									V
									V
									V

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

**LTE Band 66**

LTE Band 66 / 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	-54.84	-13	-41.84	-73.87	-65.20	1.80	12.16	H
	5135	-47.42	-13	-34.42	-70.83	-57.24	2.30	12.13	H
	6843	-50.25	-13	-37.25	-76.43	-58.94	2.37	11.06	H
									H
									H
									H
	3420	-52.47	-13	-39.47	-72.13	-62.83	1.80	12.16	V
	5135	-48.69	-13	-35.69	-72.67	-58.51	2.30	12.13	V
	6843	-49.41	-13	-36.41	-76.14	-58.10	2.37	11.06	V
									V
									V
									V
Middle	3470	-55.54	-13	-42.54	-75.03	-66.00	1.85	12.31	H
	5205	-49.79	-13	-36.79	-73.26	-59.66	2.28	12.14	H
	6940	-49.62	-13	-36.62	-76.1	-58.18	2.40	10.96	H
									H
									H
									H
	3470	-53.62	-13	-40.62	-73.63	-64.08	1.85	12.31	V
	5205	-53.09	-13	-40.09	-77.1	-62.96	2.28	12.14	V
	6940	-49.15	-13	-36.15	-76.26	-57.71	2.40	10.96	V
									V
									V
									V
Highest	3525	-48.74	-13	-35.74	-68.65	-59.24	1.88	12.39	H
	5282	-43.28	-13	-30.28	-66.81	-53.19	2.24	12.16	H
	7042	-48.90	-13	-35.90	-75.8	-57.33	2.39	10.82	H
									H
									H
									H
	3525	-48.81	-13	-35.81	-69.2	-59.31	1.88	12.39	V
	5282	-47.33	-13	-34.33	-71.39	-57.24	2.24	12.16	V
	7042	-48.27	-13	-35.27	-75.78	-56.70	2.39	10.82	V
									V
									V
									V

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