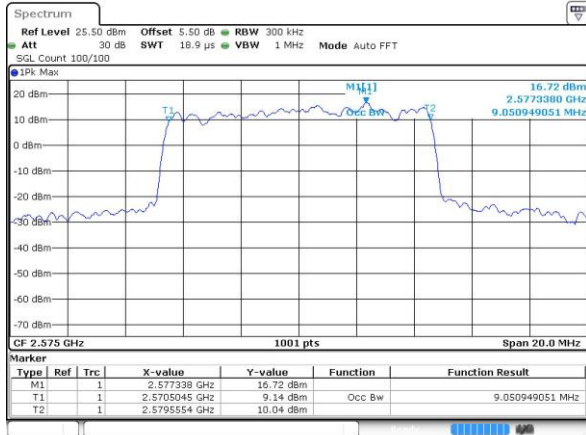




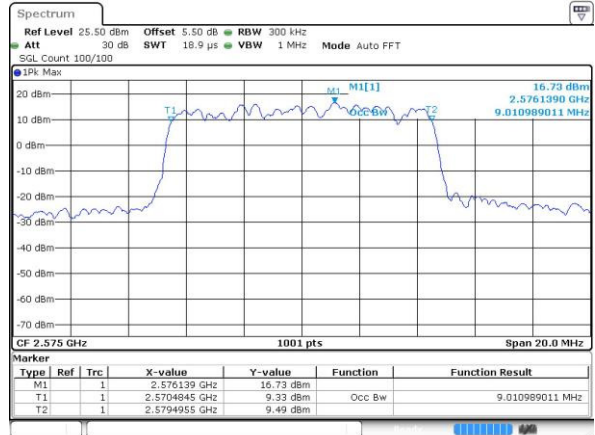
LTE Band 38

Lowest Channel / 10MHz / QPSK



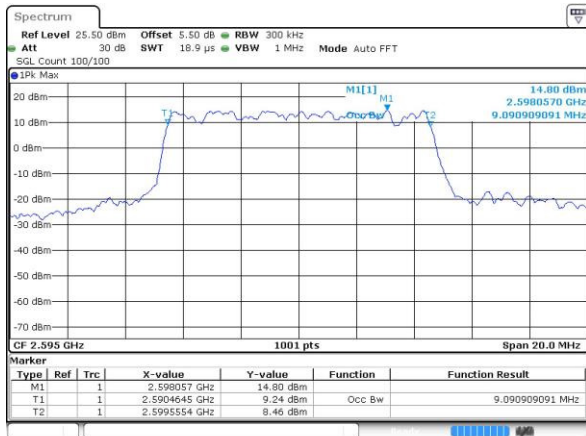
Date: 6 JUN 2016 17:27:22

Lowest Channel / 10MHz / 16QAM



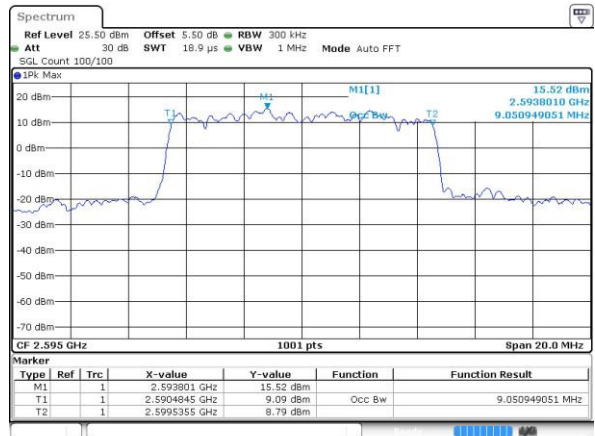
Date: 6 JUN 2016 17:27:03

Middle Channel / 10MHz / QPSK



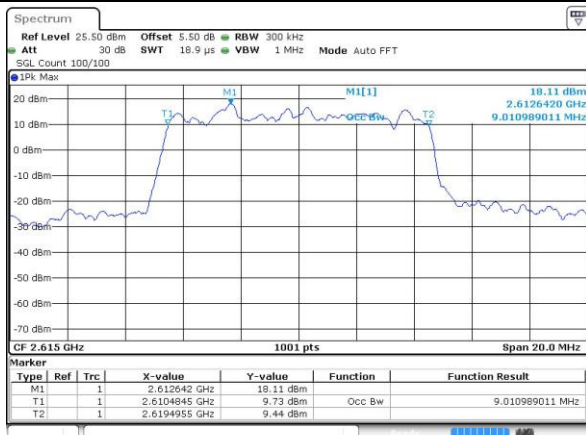
Date: 6 JUN 2016 17:27:42

Middle Channel / 10MHz / 16QAM



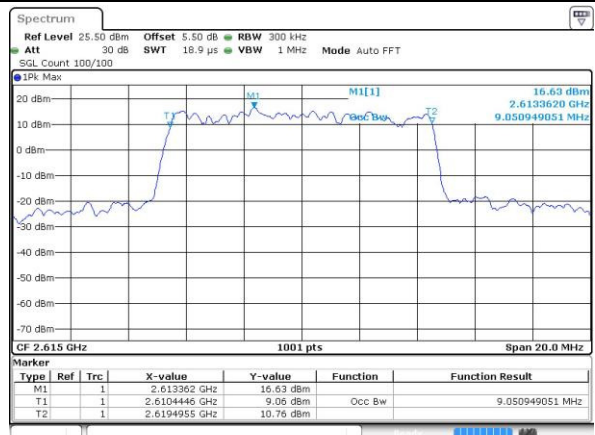
Date: 6 JUN 2016 17:28:15

Highest Channel / 10MHz / QPSK

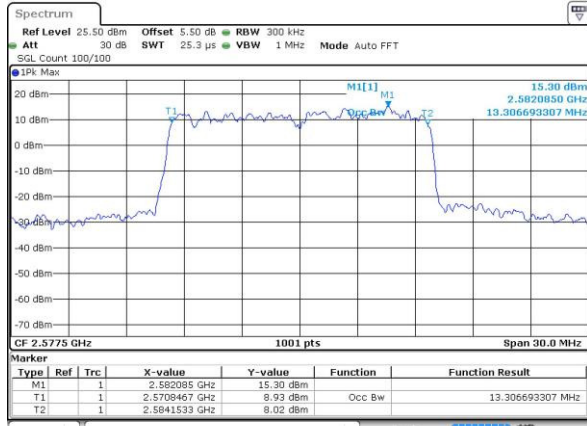


Date: 6 JUN 2016 17:29:02

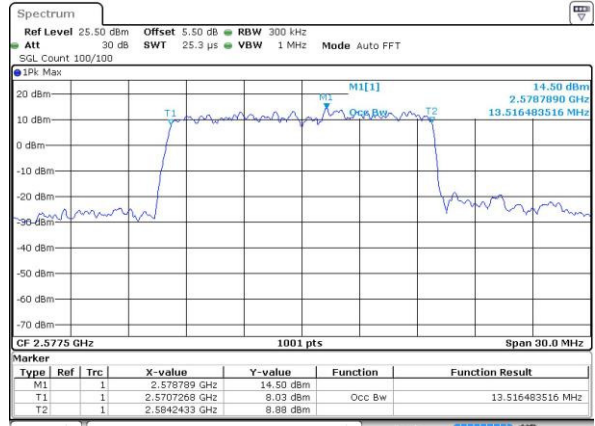
Highest Channel / 10MHz / 16QAM



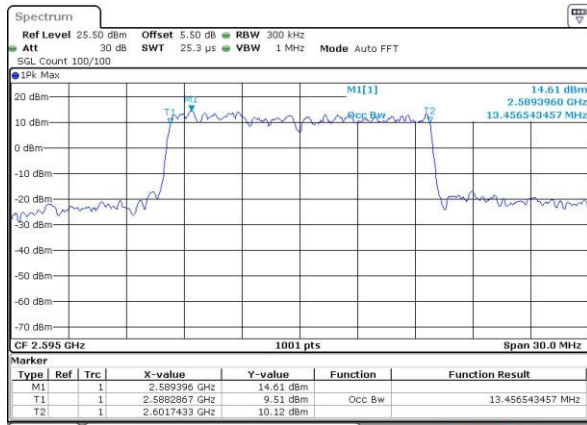
Date: 6 JUN 2016 17:28:35

**LTE Band 38****Lowest Channel / 15MHz / QPSK**

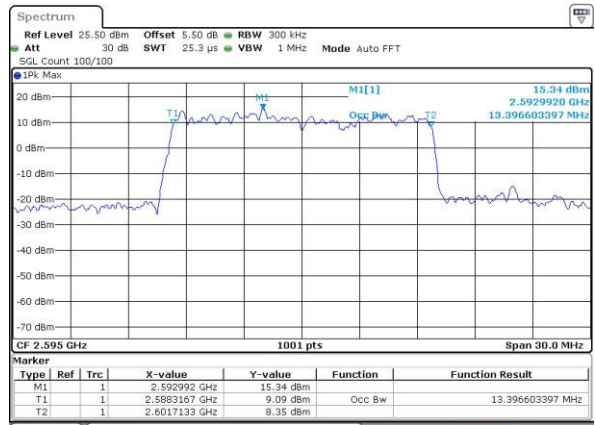
Date: 6 JUN 2016 17:29:23

Lowest Channel / 15MHz / 16QAM

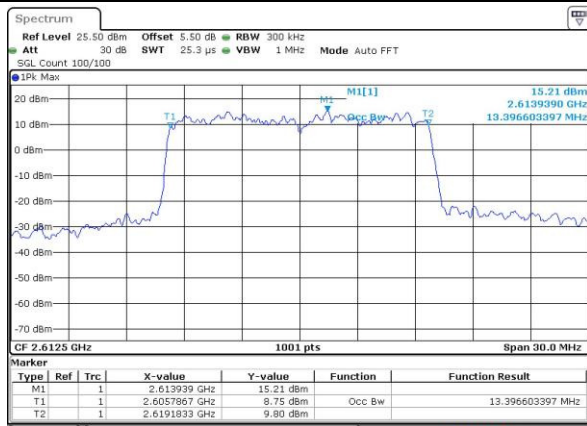
Date: 6 JUN 2016 17:29:56

Middle Channel / 15MHz / QPSK

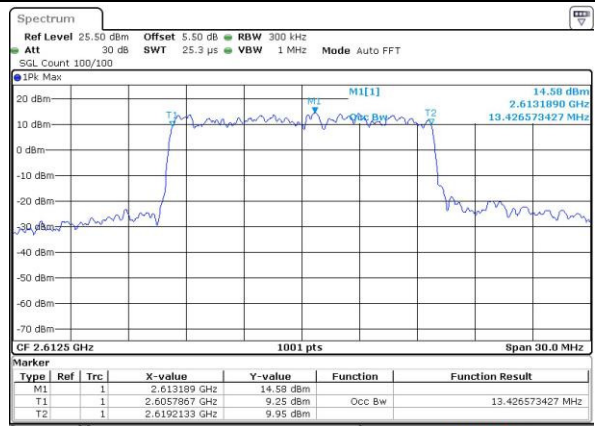
Date: 6 JUN 2016 17:30:36

Middle Channel / 15MHz / 16QAM

Date: 6 JUN 2016 17:30:16

Highest Channel / 15MHz / QPSK

Date: 6 JUN 2016 17:30:56

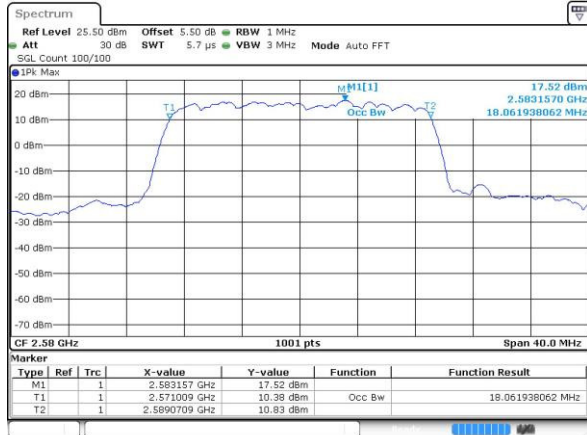
Highest Channel / 15MHz / 16QAM

Date: 6 JUN 2016 17:31:19

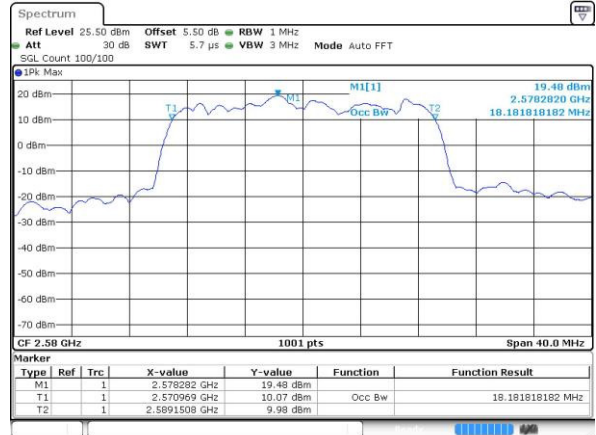


LTE Band 38

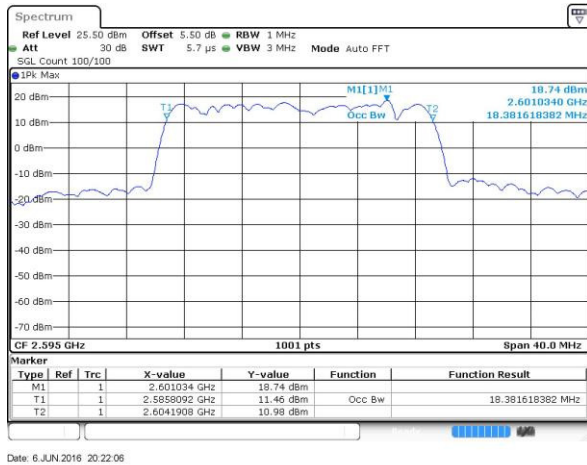
Lowest Channel / 20MHz / QPSK



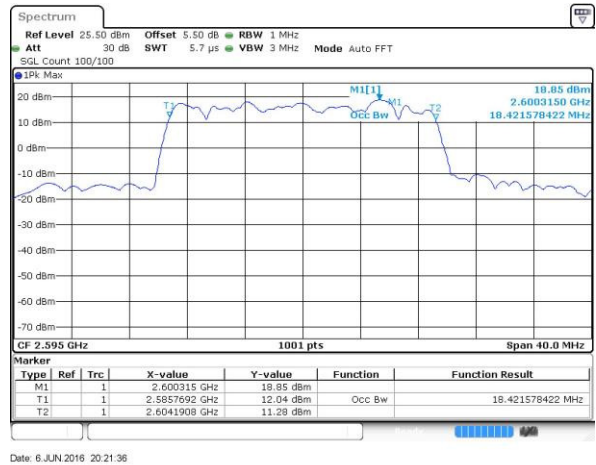
Lowest Channel / 20MHz / 16QAM



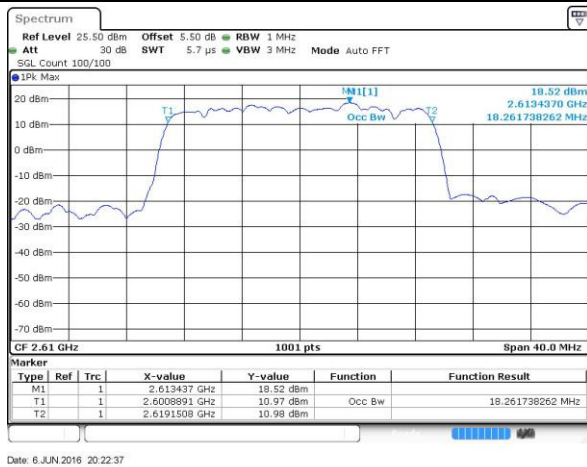
Middle Channel / 20MHz / QPSK



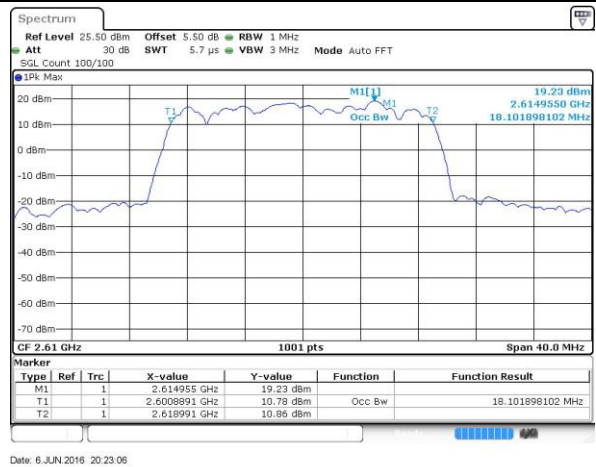
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

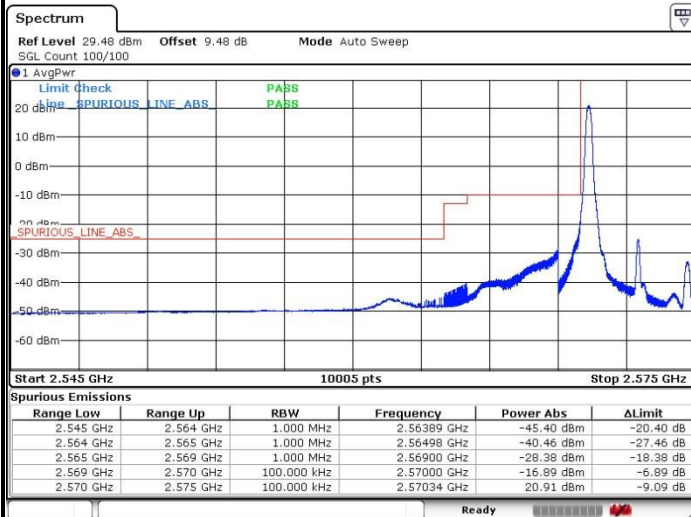




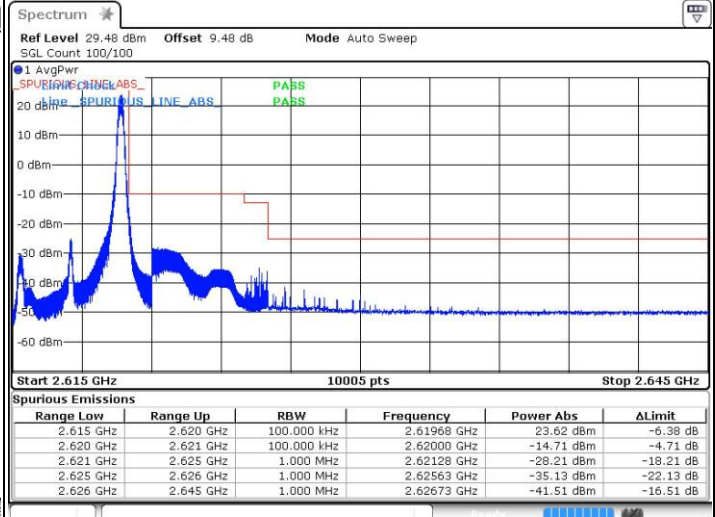
Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

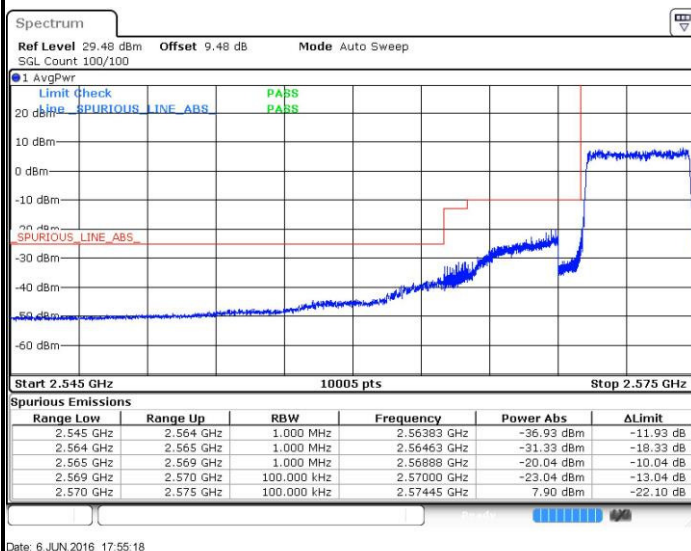
Lowest Band Edge / 1 RB



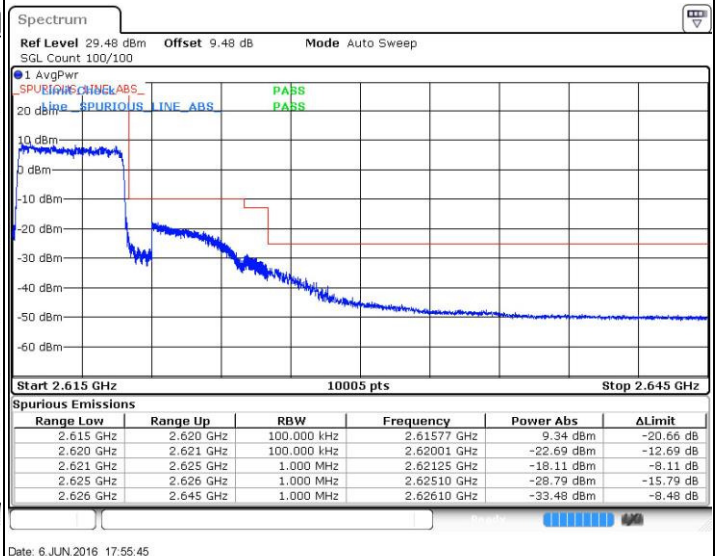
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



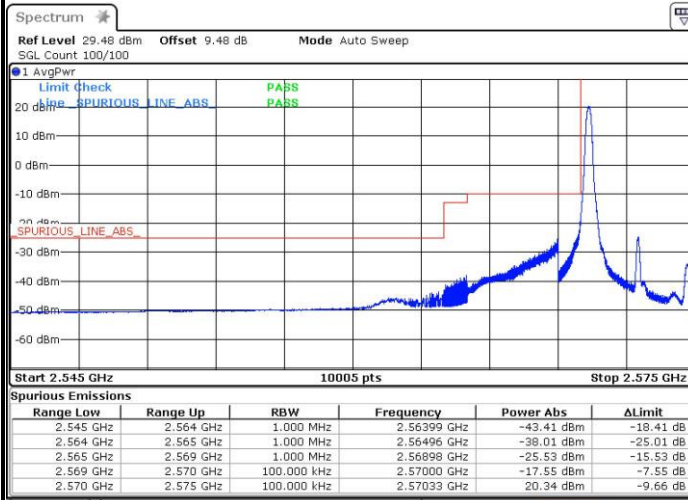
Highest Band Edge / Full RB





LTE Band 38 / 5MHz / 16QAM

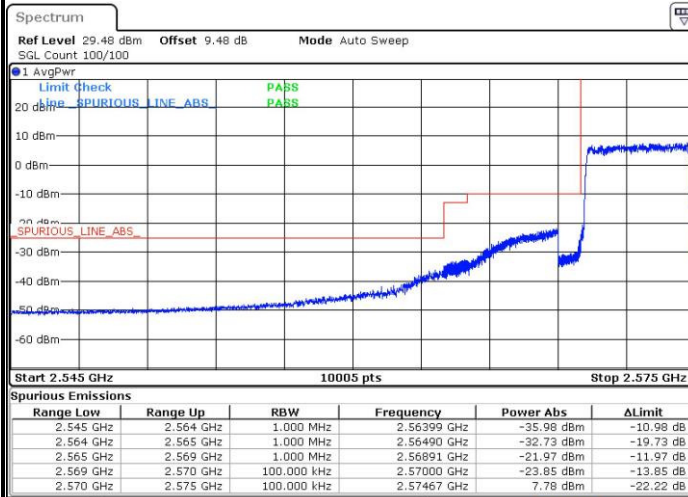
Lowest Band Edge / 1RB



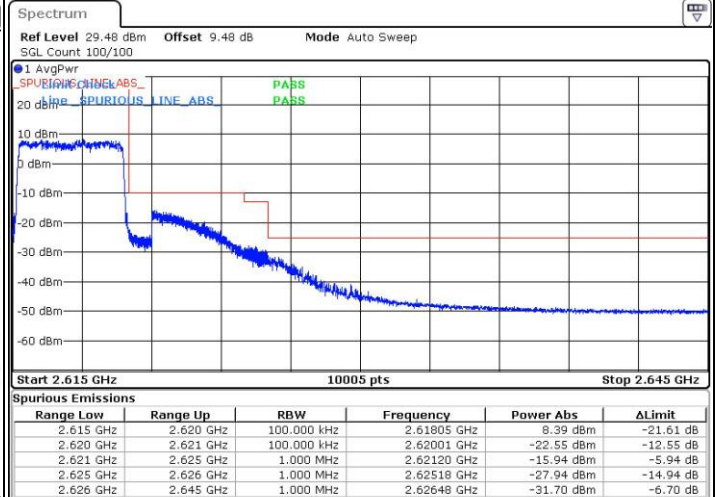
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



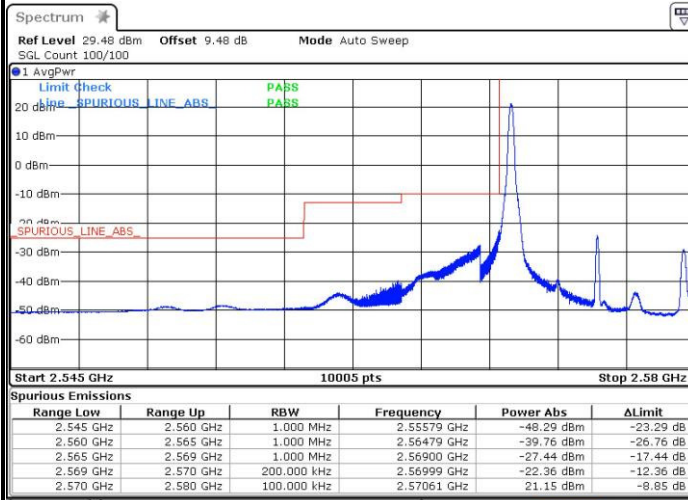
Highest Band Edge / Full RB



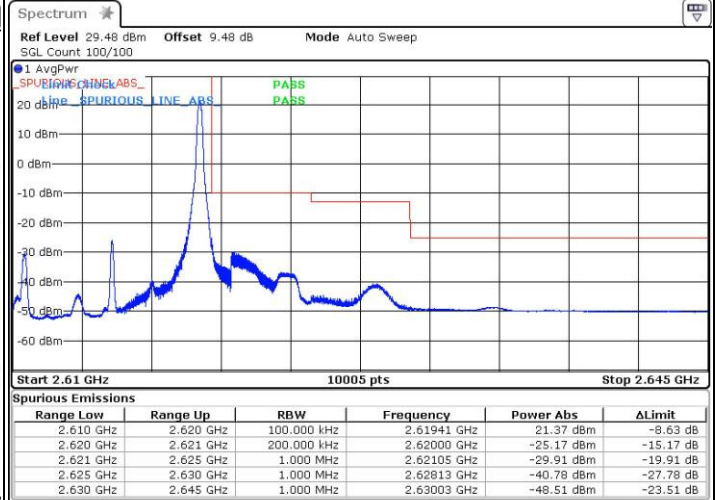


LTE Band 38 / 10MHz / QPSK

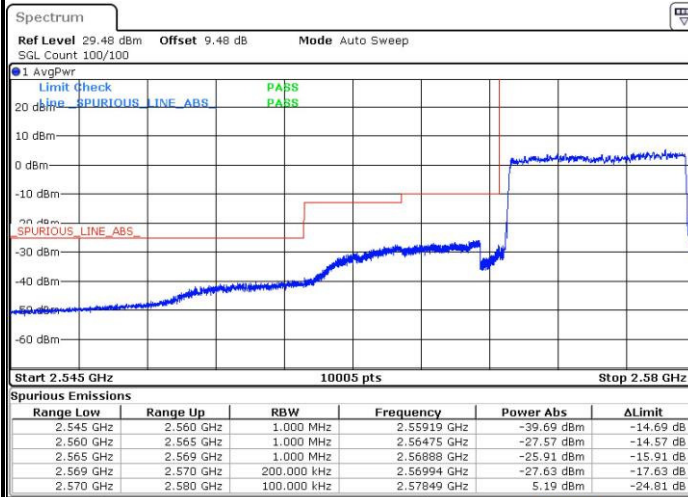
Lowest Band Edge / 1 RB



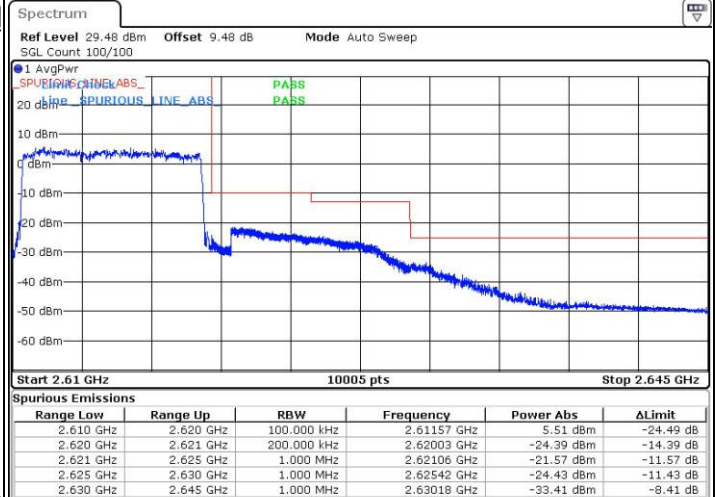
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



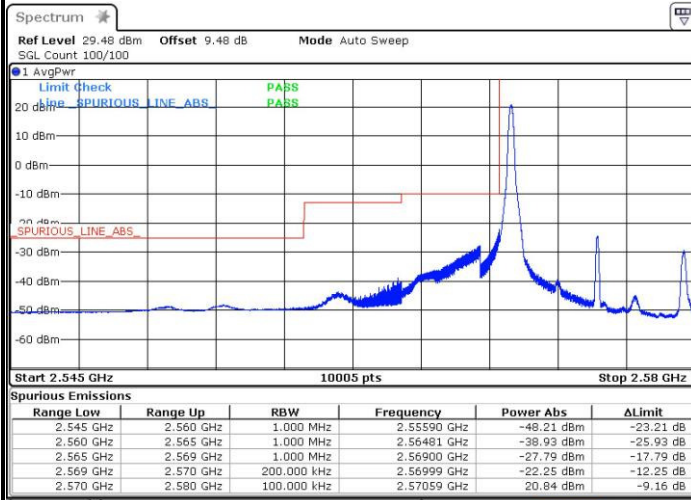
Highest Band Edge / Full RB



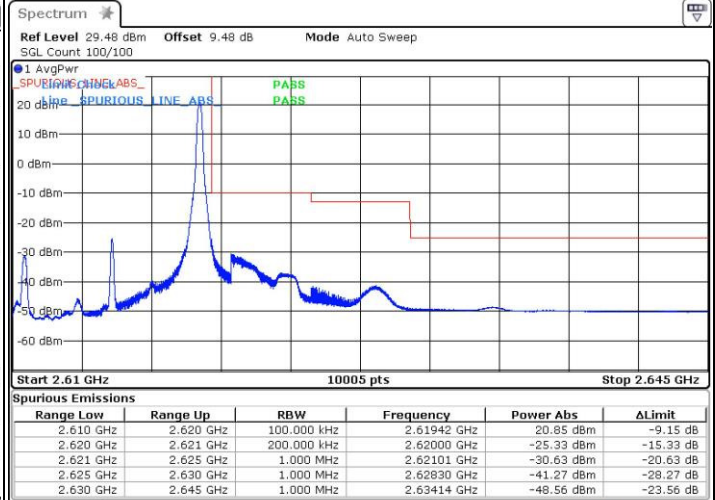


LTE Band 38 / 10MHz / 16QAM

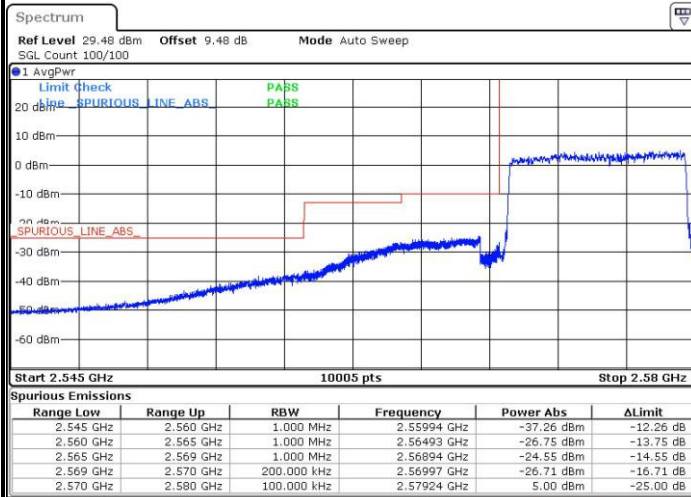
Lowest Band Edge / 1 RB



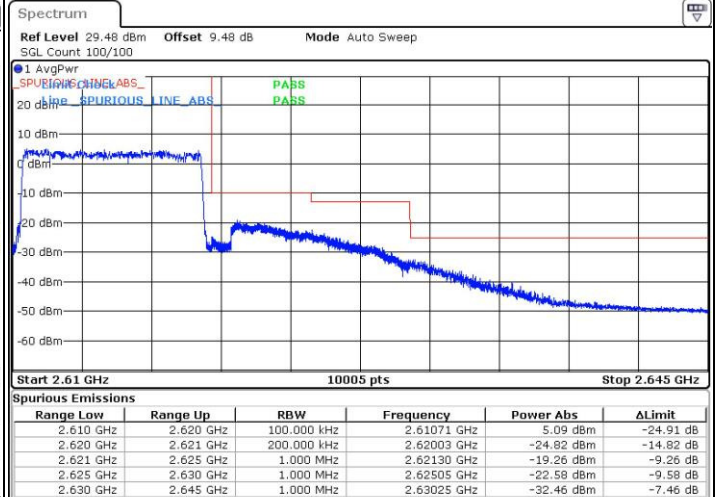
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



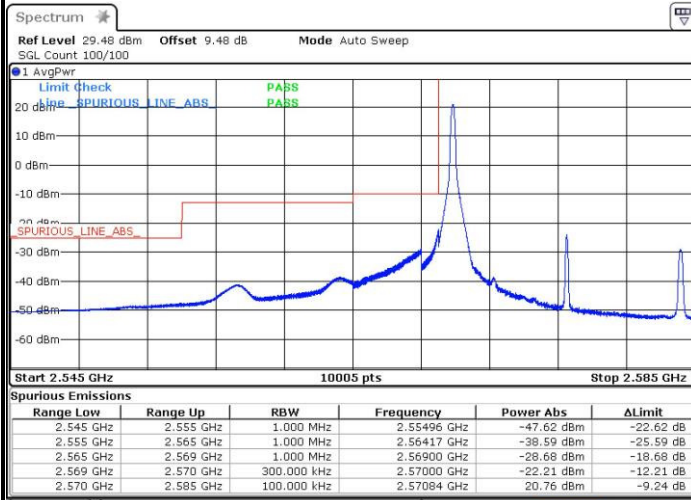
Highest Band Edge / Full RB



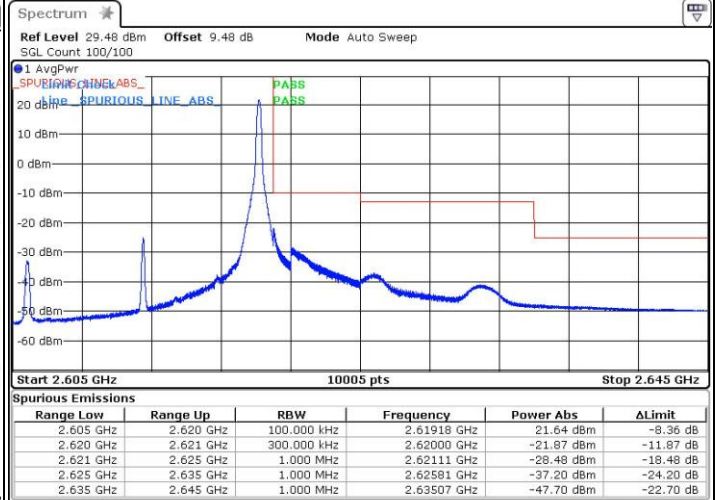


LTE Band 38 / 15MHz / QPSK

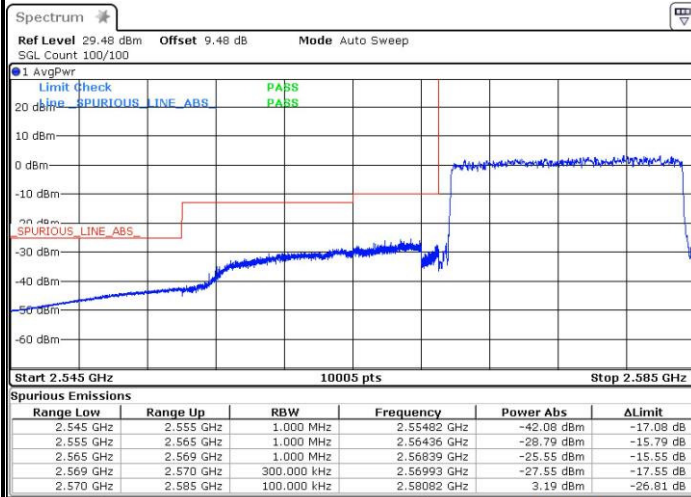
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



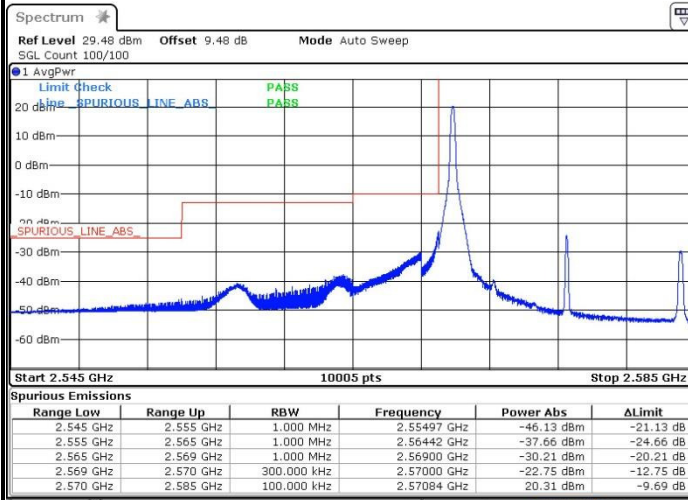
Highest Band Edge / Full RB



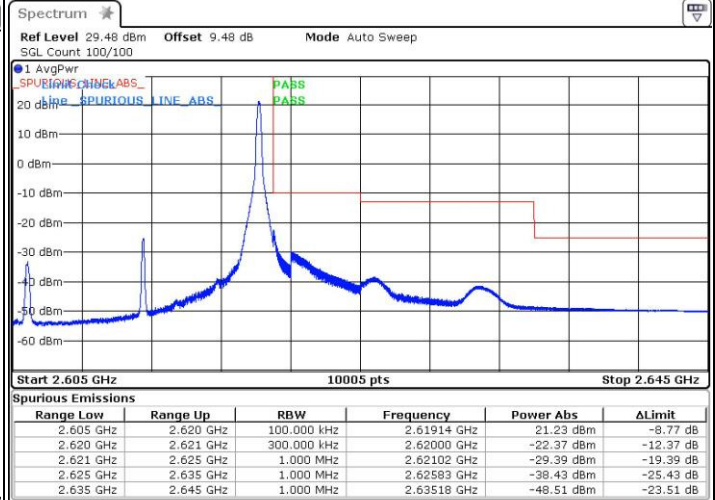


LTE Band 38 / 15MHz / 16QAM

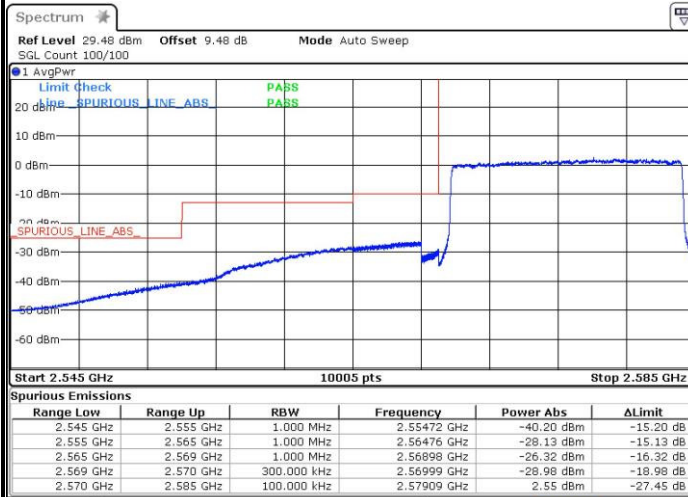
Lowest Band Edge / 1 RB



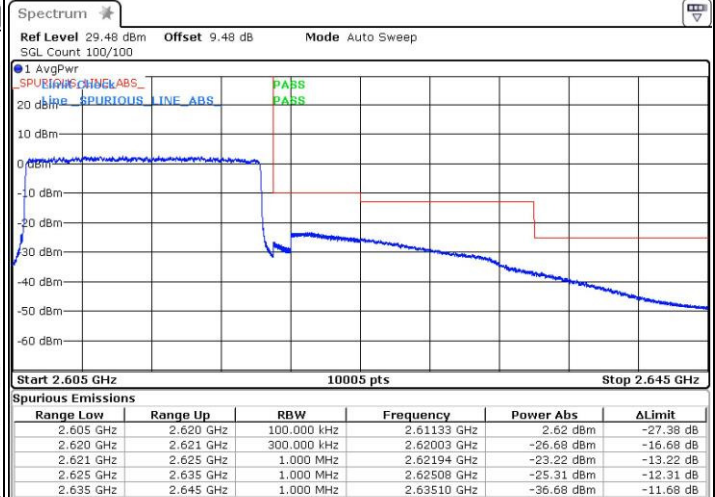
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



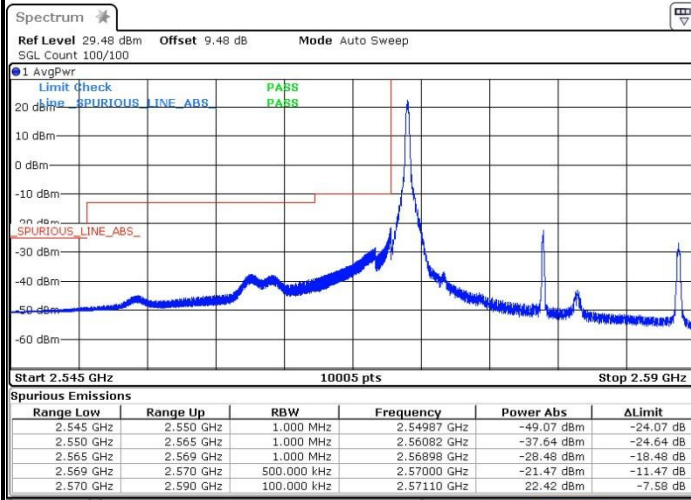
Highest Band Edge / Full RB



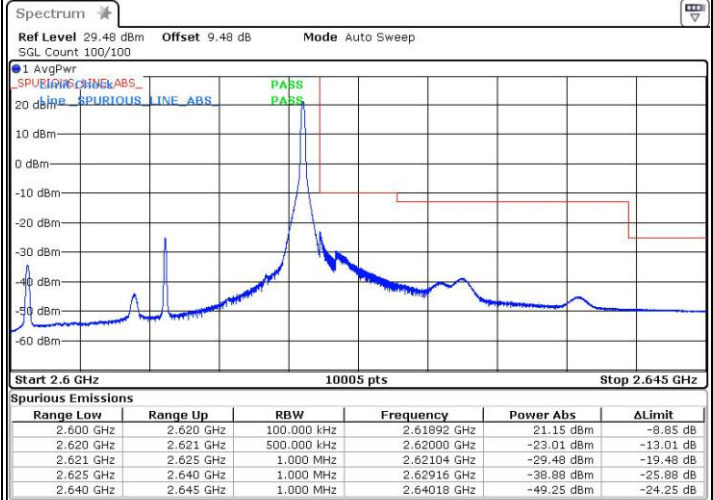


LTE Band 38 / 20MHz / QPSK

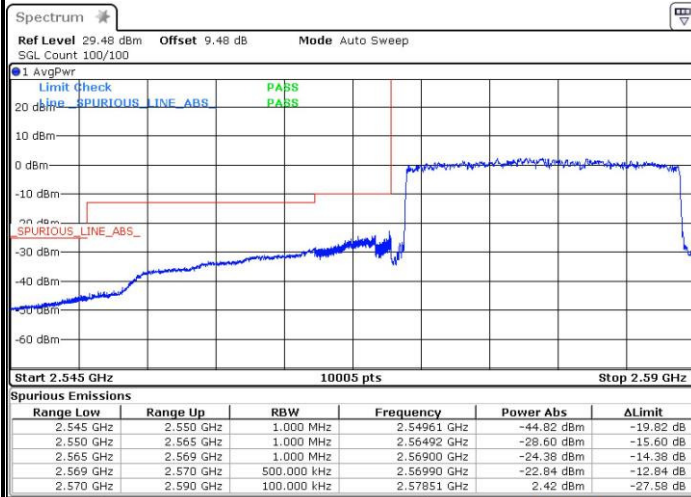
Lowest Band Edge / 1 RB



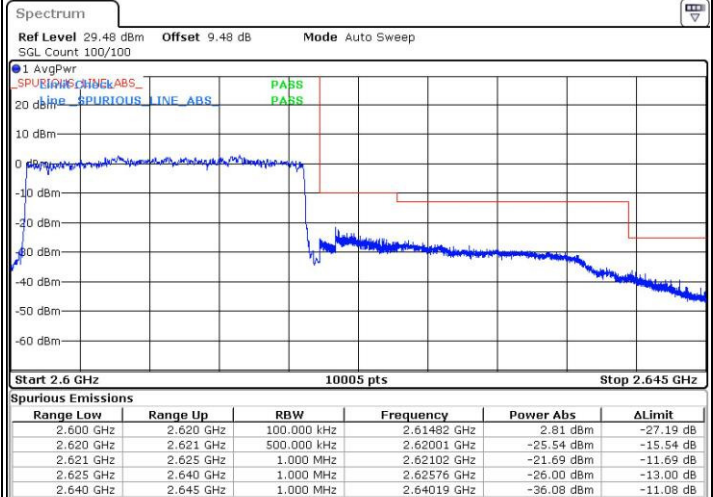
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



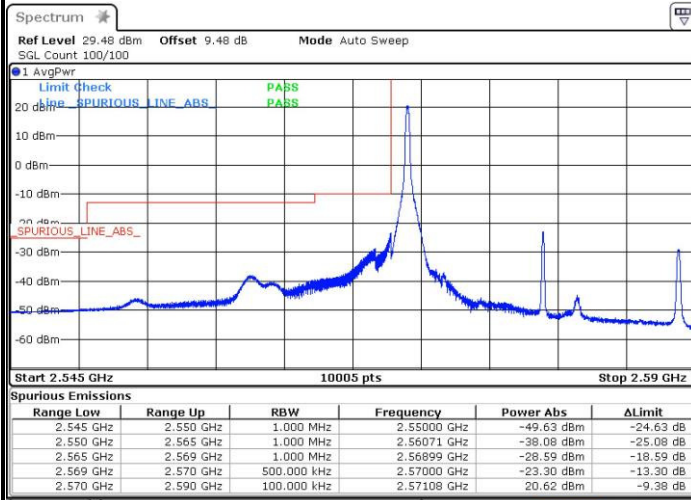
Highest Band Edge / Full RB



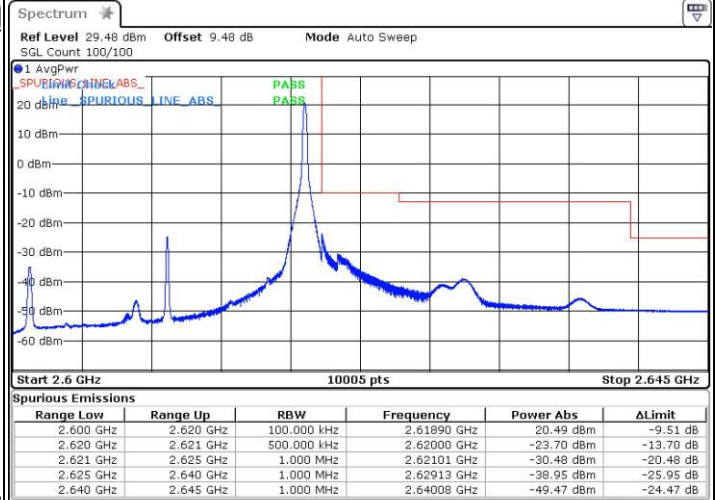


LTE Band 38 / 20MHz / 16QAM

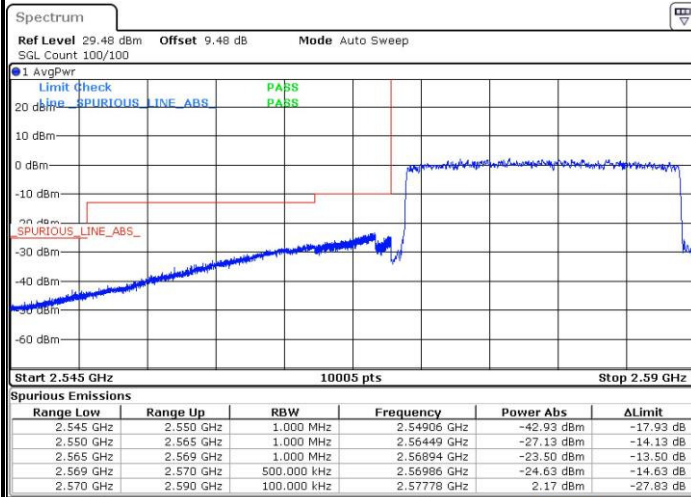
Lowest Band Edge / 1 RB



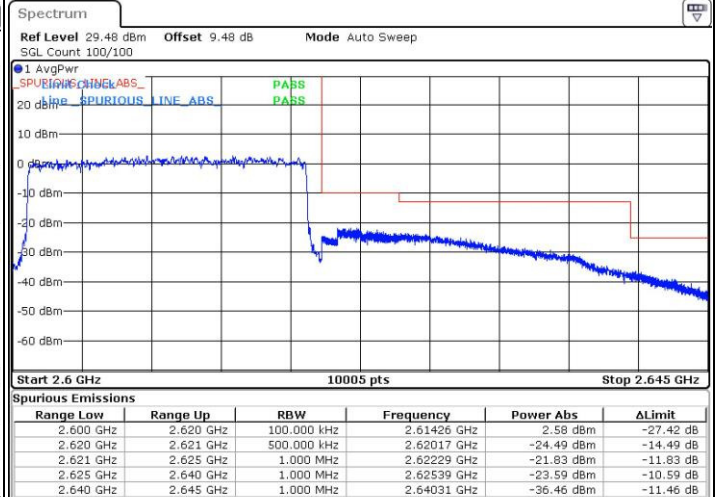
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





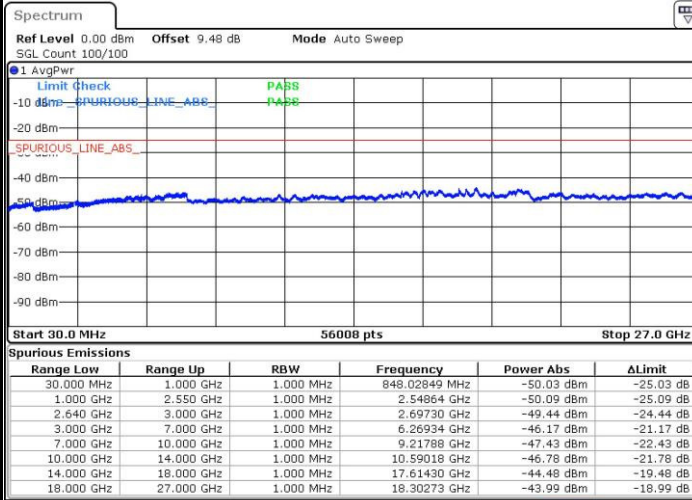
Conducted Spurious Emission





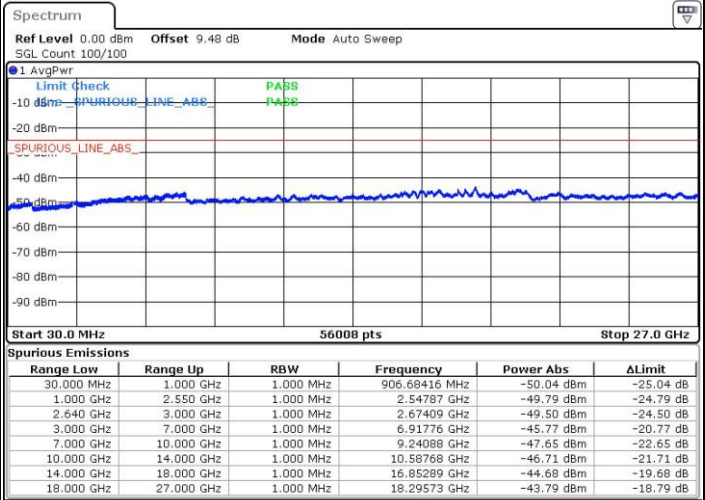
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 6 JUN 2016 18:42:14

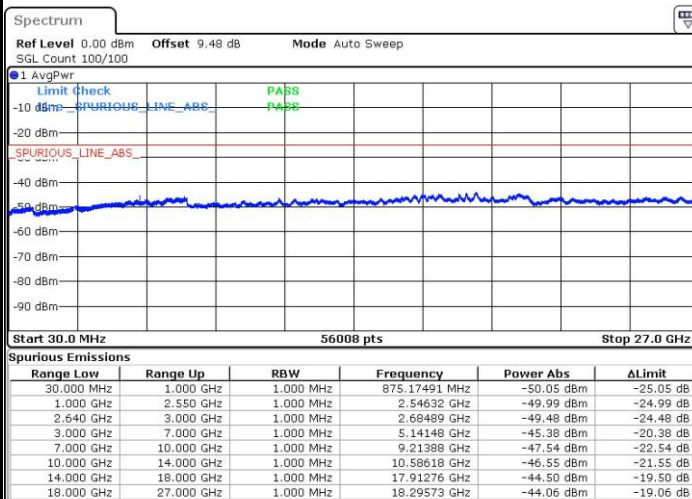
Highest Channel / 16QAM



Date: 6 JUN 2016 18:41:24

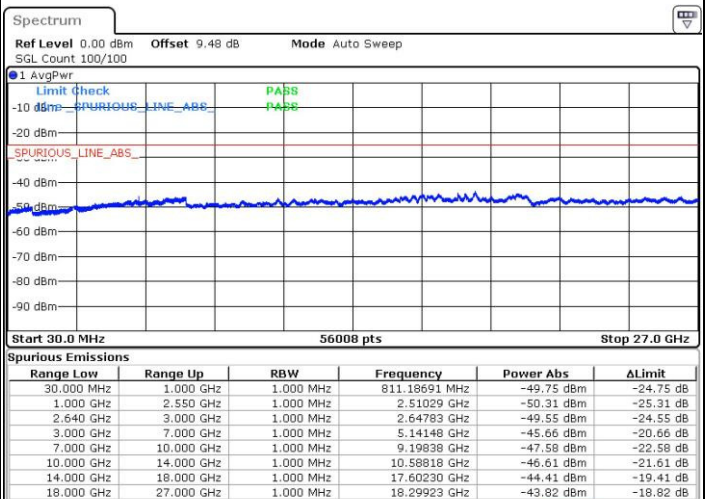
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 6 JUN 2016 19:18:29

Lowest Channel / 16QAM

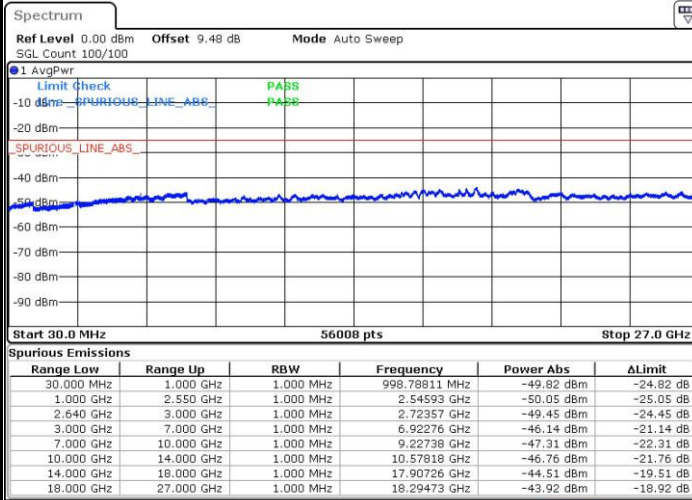


Date: 6 JUN 2016 19:19:19



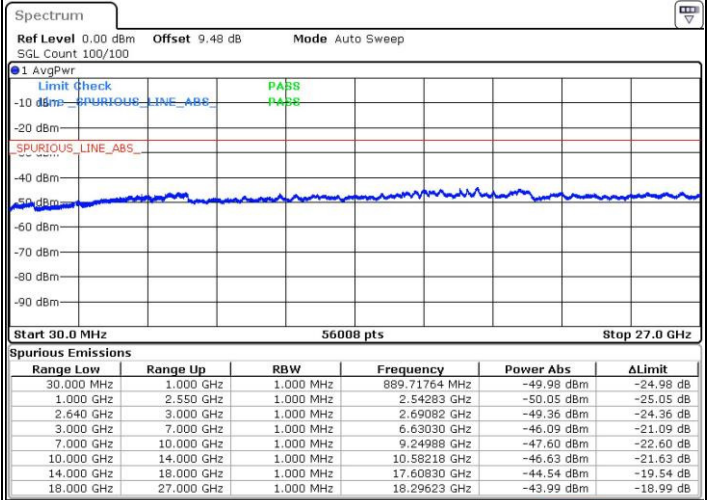
LTE Band 38 / 10MHz

Middle Channel / QPSK



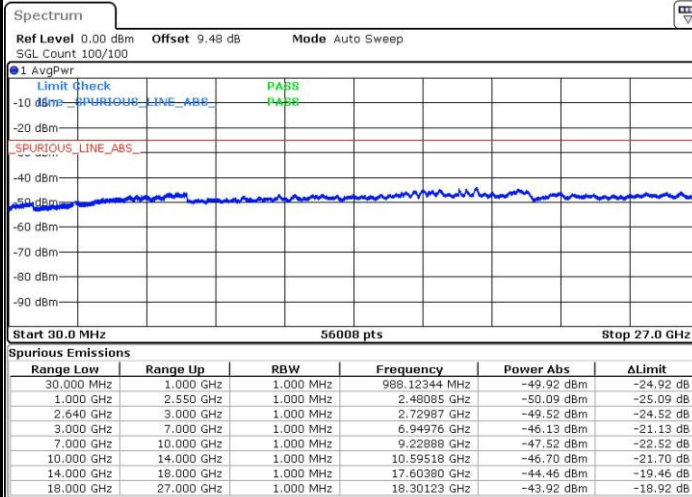
Date: 6 JUN 2016 19:21:04

Middle Channel / 16QAM



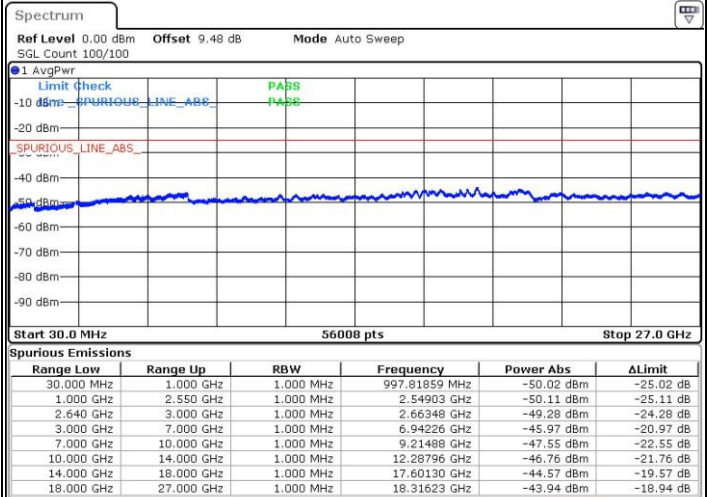
Date: 6 JUN 2016 19:20:08

Highest Channel / QPSK



Date: 6 JUN 2016 19:21:54

Highest Channel / 16QAM

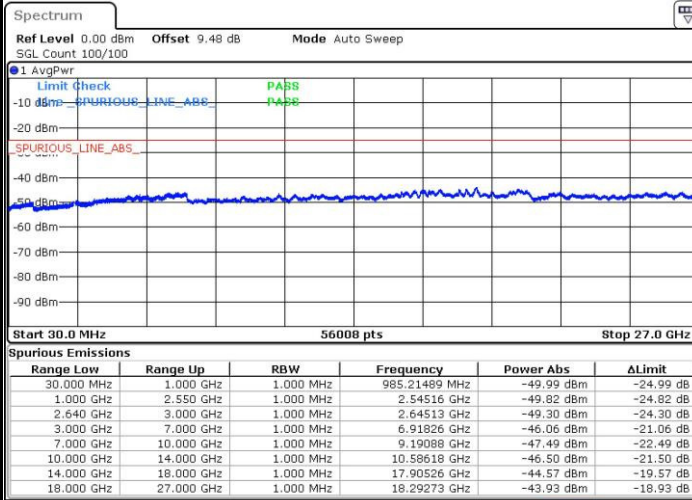


Date: 6 JUN 2016 19:22:44



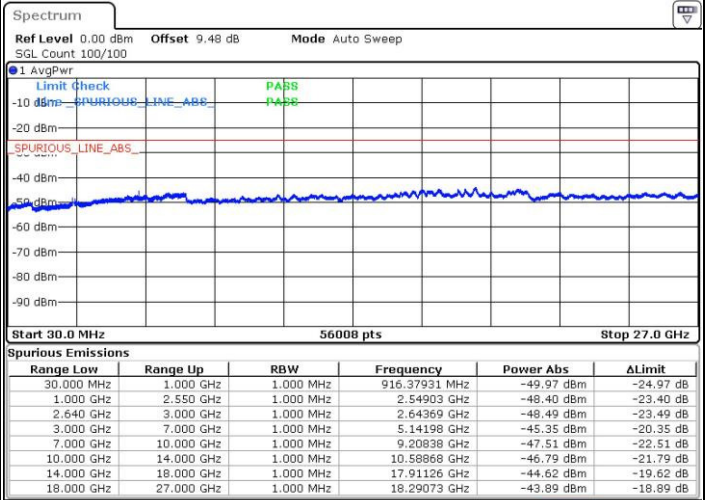
LTE Band 38 / 15MHz

Lowest Channel / QPSK



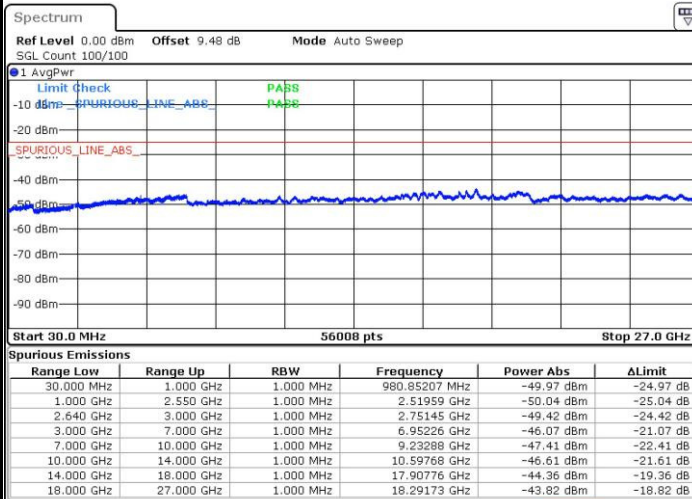
Date: 6 JUN 2016 20:09:07

Lowest Channel / 16QAM



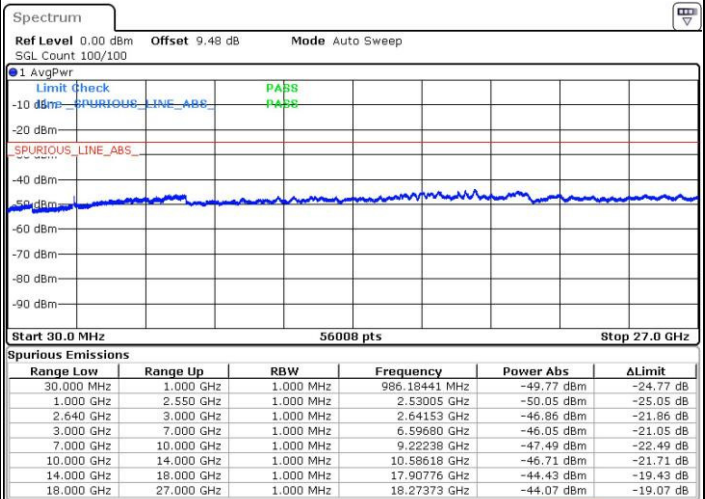
Date: 6 JUN 2016 20:08:18

Middle Channel / QPSK



Date: 6 JUN 2016 20:09:56

Middle Channel / 16QAM

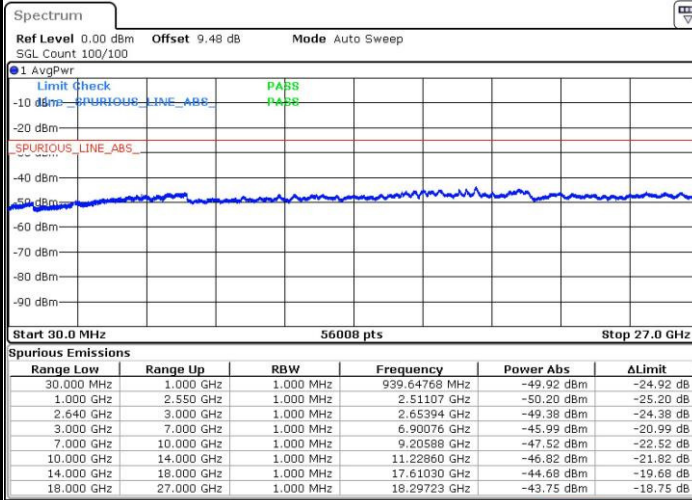


Date: 6 JUN 2016 20:10:47



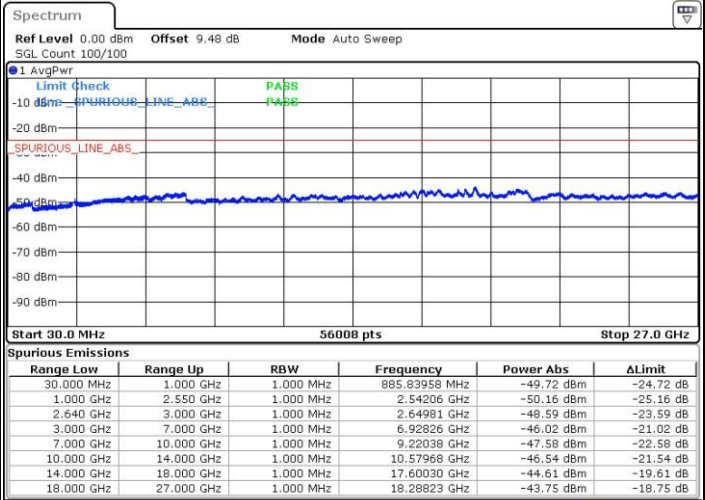
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 6 JUN 2016 20:12:36

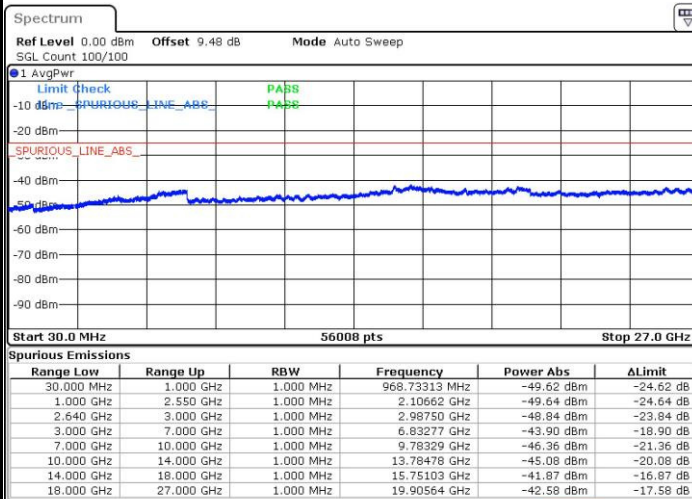
Highest Channel / 16QAM



Date: 6 JUN 2016 20:11:45

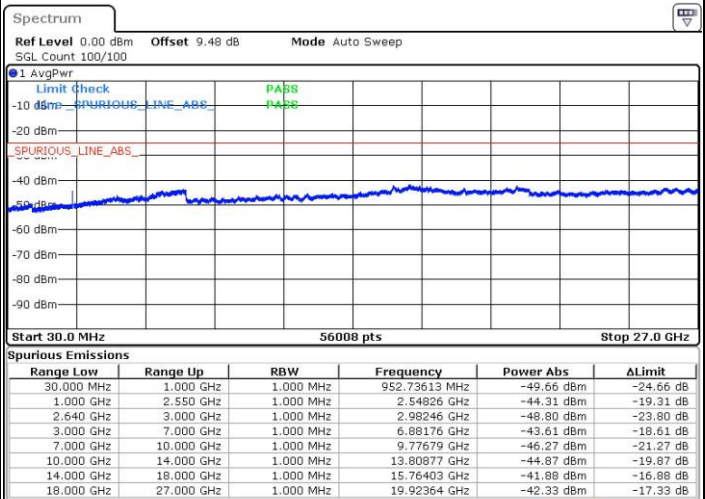
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 7 JUN 2016 10:21:53

Lowest Channel / 16QAM

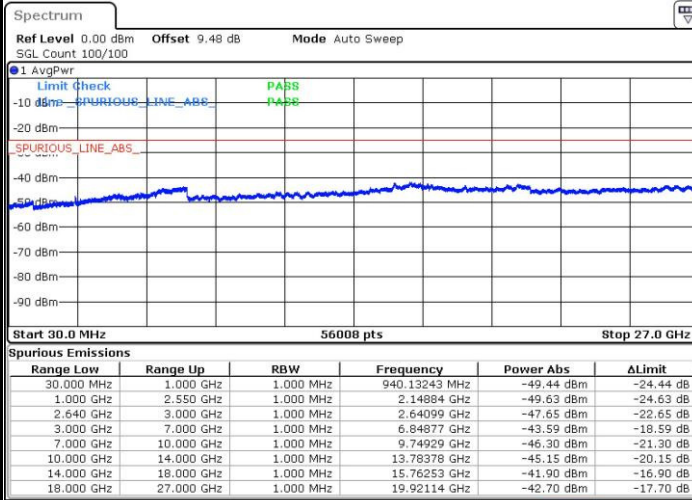


Date: 7 JUN 2016 10:22:44



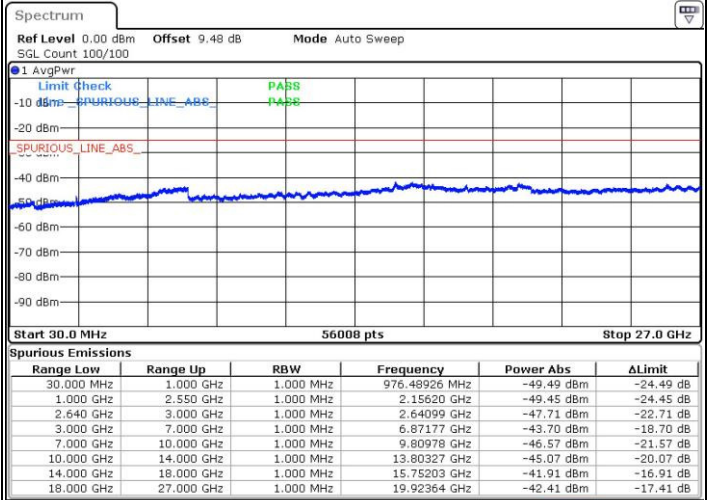
LTE Band 38 / 20MHz

Middle Channel / QPSK



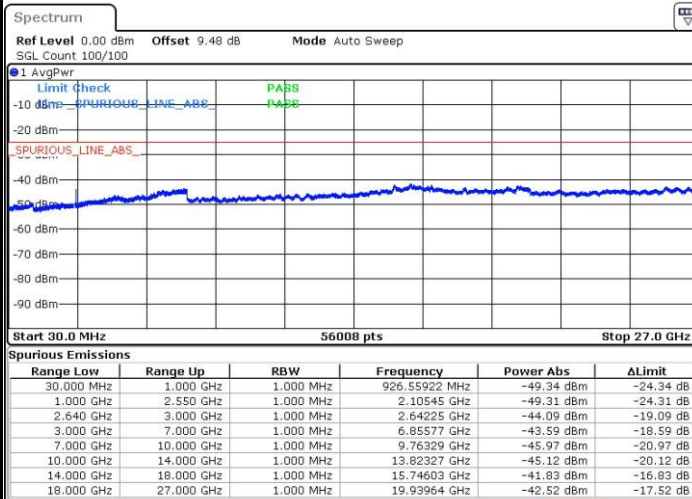
Date: 7 JUN 2016 10:24:22

Middle Channel / 16QAM



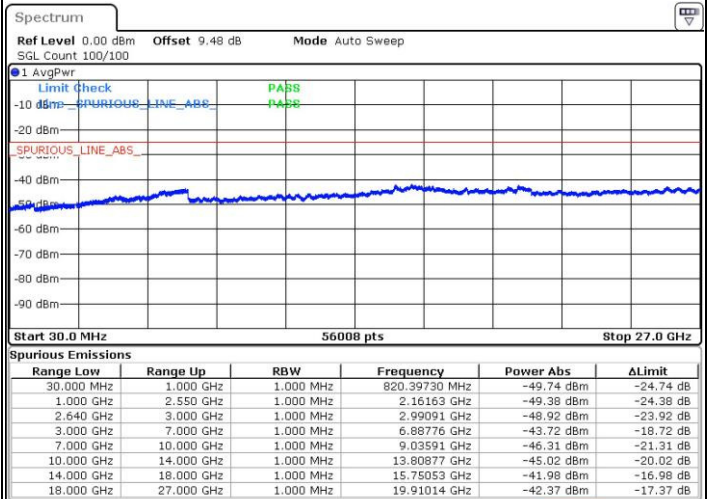
Date: 7 JUN 2016 10:23:32

Highest Channel / QPSK



Date: 7 JUN 2016 10:25:11

Highest Channel / 16QAM



Date: 7 JUN 2016 10:28:10

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	24.12	0.2582	22.95	0.1972
Middle		3	3	23.86	0.2432	22.98	0.1986
Highest		3	1	24.05	0.2541	22.91	0.1954
Lowest	16QAM	1	5	23.74	0.2366	22.41	0.1742
Middle		1	3	23.22	0.2099	22.05	0.1603
Highest		1	3	23.60	0.2291	22.39	0.1734
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	24.35	0.2723	23.16	0.2070
Middle		1	8	24.49	0.2812	23.08	0.2032
Highest		1	8	24.67	0.2931	23.47	0.2223
Lowest	16QAM	1	0	24.20	0.2630	22.35	0.1718
Middle		1	14	23.02	0.2004	22.16	0.1644
Highest		1	14	23.39	0.2183	22.03	0.1596
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	24.71	0.2958	23.42	0.2198
Middle		1	12	24.63	0.2904	23.33	0.2153
Highest		1	0	24.32	0.2704	23.50	0.2239
Lowest	16QAM	1	24	23.59	0.2286	22.57	0.1807
Middle		1	24	23.01	0.2000	22.40	0.1738
Highest		1	12	23.67	0.2328	22.32	0.1706
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.84	0.3048	23.39	0.2183
Middle		1	25	24.51	0.2825	23.56	0.2270
Highest		1	25	24.57	0.2864	23.57	0.2275
Lowest	16QAM	1	0	23.87	0.2438	22.24	0.1675
Middle		1	0	23.16	0.2070	22.54	0.1795
Highest		1	25	23.45	0.2213	22.50	0.1778
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.76	0.2992	23.41	0.2193
Middle		1	37	24.51	0.2825	23.30	0.2138
Highest		1	37	24.84	0.3048	23.74	0.2366
Lowest	16QAM	1	0	23.83	0.2415	22.30	0.1698
Middle		1	74	23.53	0.2254	22.60	0.1820
Highest		1	37	23.54	0.2259	22.48	0.1770
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.44	0.2780	23.39	0.2183
Middle		1	49	24.23	0.2649	23.10	0.2042
Highest		1	49	24.60	0.2884	23.52	0.2249
Lowest	16QAM	1	0	23.71	0.2350	22.44	0.1754
Middle		1	49	23.15	0.2065	22.37	0.1726
Highest		1	99	23.54	0.2259	22.15	0.1641
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	21.97	0.1574	20.28	0.1067
Middle		3	1	22.88	0.1941	20.83	0.1211
Highest		3	0	22.73	0.1875	21.53	0.1422
Lowest	16QAM	1	5	21.49	0.1409	19.98	0.0995
Middle		1	0	22.67	0.1849	20.82	0.1208
Highest		3	1	22.52	0.1786	20.99	0.1256
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.06	0.1607	20.41	0.1099
Middle		1	8	23.19	0.2084	21.02	0.1265
Highest		1	8	22.92	0.1959	21.56	0.1432
Lowest	16QAM	1	8	21.47	0.1403	19.96	0.0991
Middle		1	0	22.83	0.1919	20.71	0.1178
Highest		1	0	22.76	0.1888	21.52	0.1419
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.27	0.1687	20.42	0.1102
Middle		1	0	22.95	0.1972	20.97	0.1250
Highest		1	12	23.08	0.2032	21.67	0.1469
Lowest	16QAM	1	0	21.53	0.1422	19.98	0.0995
Middle		1	0	22.37	0.1726	20.52	0.1127
Highest		1	12	22.73	0.1875	21.34	0.1361
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.13	0.1633	20.46	0.1112
Middle		1	0	23.19	0.2084	21.22	0.1324
Highest		1	25	23.19	0.2084	21.33	0.1358
Lowest	16QAM	1	0	21.80	0.1514	19.95	0.0989
Middle		1	0	22.52	0.1786	20.44	0.1107
Highest		1	0	22.65	0.1841	20.85	0.1216
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.05	0.1603	20.42	0.1102
Middle		1	0	23.18	0.2080	21.05	0.1274
Highest		1	0	22.99	0.1991	21.22	0.1324
Lowest	16QAM	1	0	21.63	0.1455	19.80	0.0955
Middle		1	0	22.72	0.1871	20.15	0.1035
Highest		1	0	22.36	0.1722	20.92	0.1236
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.07	0.1611	20.23	0.1054
Middle		1	0	22.93	0.1963	20.89	0.1227
Highest		1	0	23.40	0.2188	21.29	0.1346
Lowest	16QAM	1	0	21.33	0.1358	19.81	0.0957
Middle		1	0	22.54	0.1795	20.33	0.1079
Highest		1	0	22.78	0.1897	20.82	0.1208
Limit	EIRP < 1W			Result		PASS	

LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.98	0.0995	19.92	0.0982
Middle		1	12	20.29	0.1069	19.68	0.0929
Highest		1	0	19.15	0.0822	18.76	0.0752
Lowest	16QAM	1	0	19.31	0.0853	18.97	0.0789
Middle		1	0	18.38	0.0689	18.86	0.0769
Highest		1	0	18.26	0.0670	17.93	0.0621
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.88	0.0973	19.72	0.0938
Middle		1	25	19.52	0.0895	19.38	0.0867
Highest		1	25	18.74	0.0748	18.92	0.0780
Lowest	16QAM	1	0	19.12	0.0817	19.08	0.0809
Middle		1	0	19.02	0.0798	18.84	0.0766
Highest		1	0	18.52	0.0711	18.17	0.0656
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	19.96	0.0991	19.75	0.0944
Middle		1	0	19.55	0.0902	19.36	0.0863
Highest		1	0	19.11	0.0815	19.33	0.0857
Lowest	16QAM	1	0	19.42	0.0875	19.42	0.0875
Middle		1	0	19.28	0.0847	19.00	0.0794
Highest		1	0	18.56	0.0718	18.45	0.0700
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.74	0.0942	19.48	0.0887
Middle		1	0	19.90	0.0977	19.85	0.0966
Highest		1	0	19.04	0.0802	19.08	0.0809
Lowest	16QAM	1	0	18.99	0.0793	18.96	0.0787
Middle		1	49	19.91	0.0979	19.07	0.0807
Highest		1	0	18.84	0.0766	18.86	0.0769
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	20.00	0.1000	19.19	0.0830
Middle		1	0	20.54	0.1132	18.67	0.0736
Highest		1	0	21.18	0.1312	19.30	0.0851
Lowest	16QAM	1	0	20.06	0.1014	19.12	0.0817
Middle		1	0	20.05	0.1012	18.36	0.0685
Highest		1	0	20.88	0.1225	19.01	0.0796
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.98	0.0995	18.74	0.0748
Middle		1	0	20.35	0.1084	18.79	0.0757
Highest		1	25	20.86	0.1219	18.96	0.0787
Lowest	16QAM	1	25	19.65	0.0923	18.53	0.0713
Middle		1	0	19.93	0.0984	18.39	0.0690
Highest		1	0	20.72	0.1180	18.83	0.0764
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	19.99	0.0998	19.14	0.0820
Middle		1	0	20.16	0.1038	18.67	0.0736
Highest		1	0	20.81	0.1205	18.81	0.0760
Lowest	16QAM	1	74	19.99	0.0998	19.18	0.0828
Middle		1	0	20.19	0.1045	18.68	0.0738
Highest		1	0	20.81	0.1205	18.83	0.0764
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.13	0.1030	19.10	0.0813
Middle		1	0	20.12	0.1028	18.56	0.0718
Highest		1	0	20.67	0.1167	18.76	0.0752
Lowest	16QAM	1	49	19.68	0.0929	18.83	0.0764
Middle		1	0	20.11	0.1026	18.90	0.0776
Highest		1	49	20.69	0.1172	19.02	0.0798
Limit	EIRP < 2W			Result		PASS	