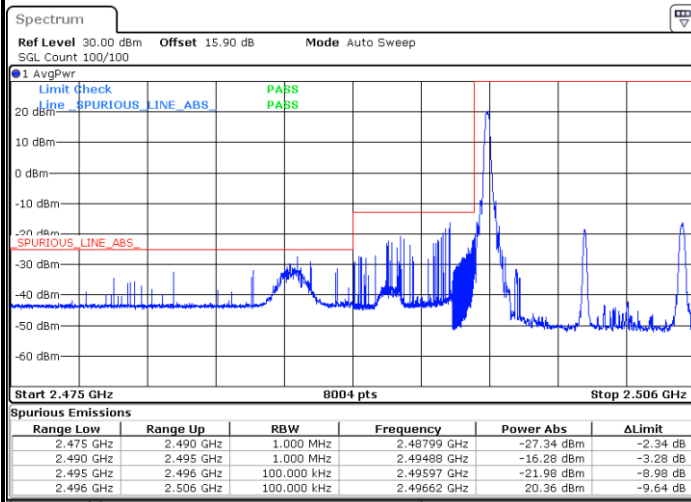




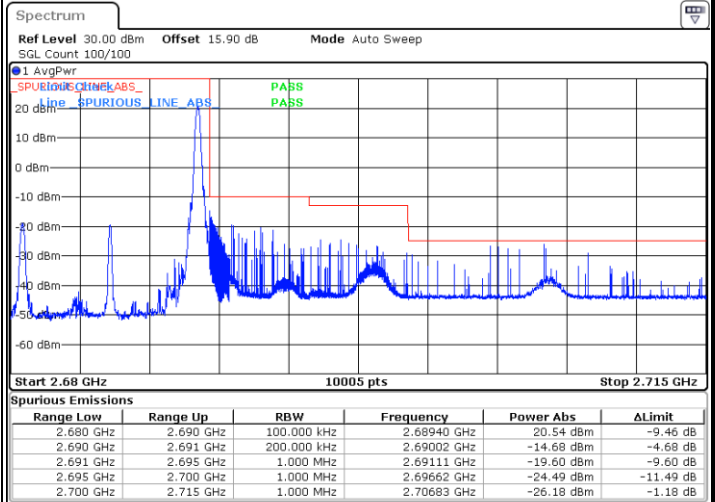
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



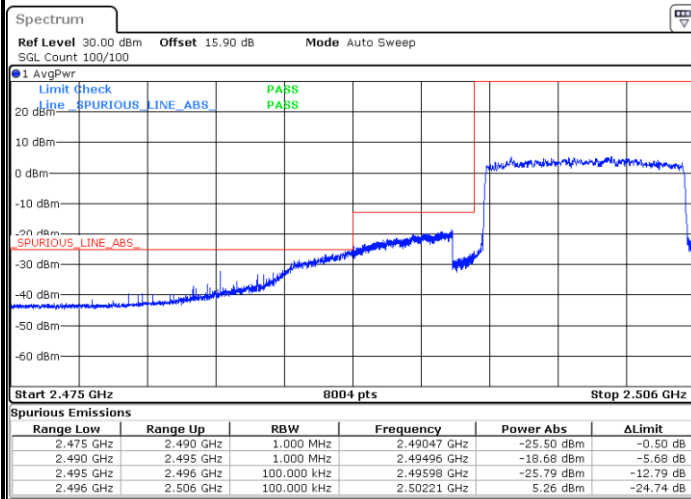
Date: 10 JAN 2018 16:14:57

Highest Band Edge / 1 RB



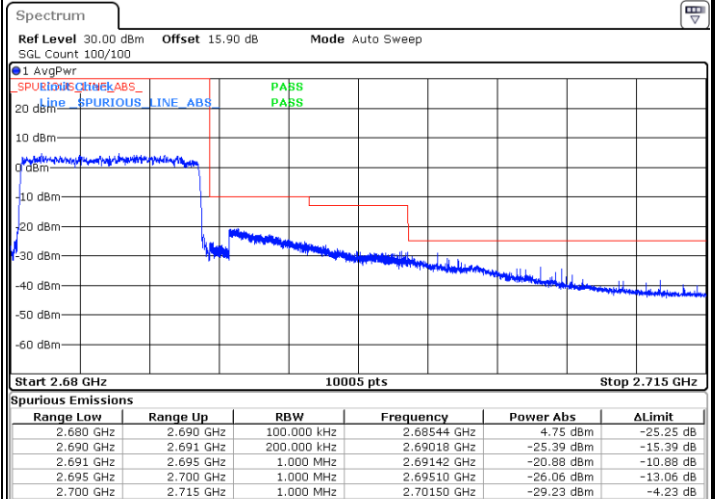
Date: 10 JAN 2018 16:19:34

Lowest Band Edge / Full RB



Date: 10 JAN 2018 17:39:16

Highest Band Edge / Full RB

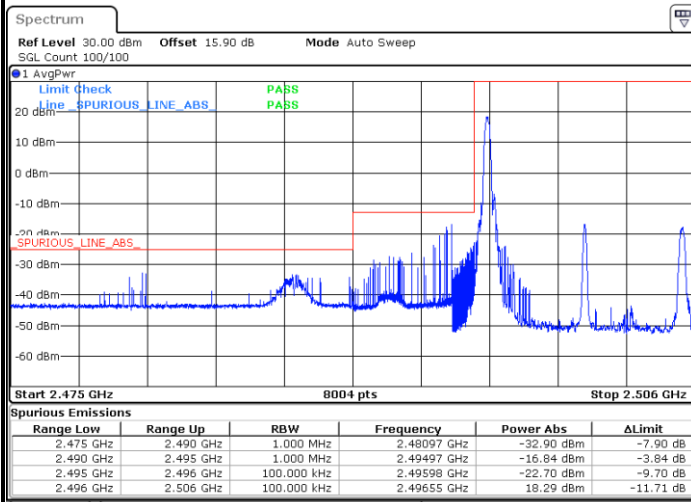


Date: 10 JAN 2018 16:21:52

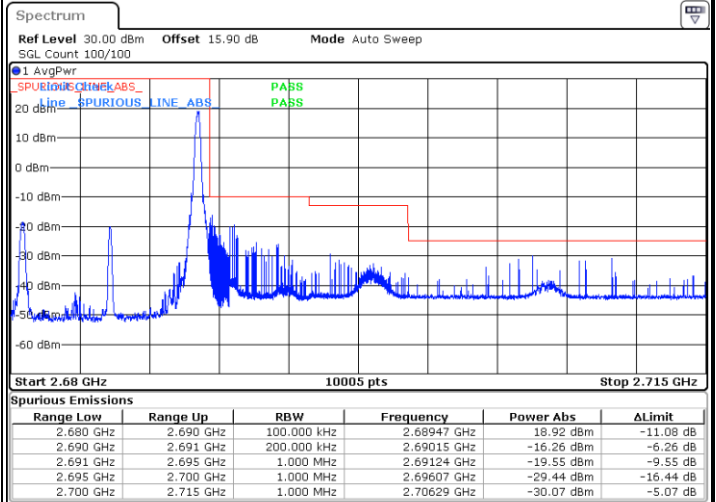


LTE Band 41 / 10MHz / 16QAM

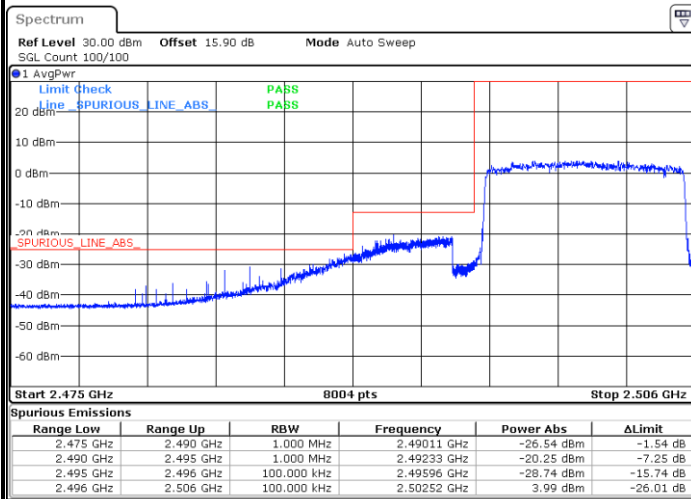
Lowest Band Edge / 1 RB



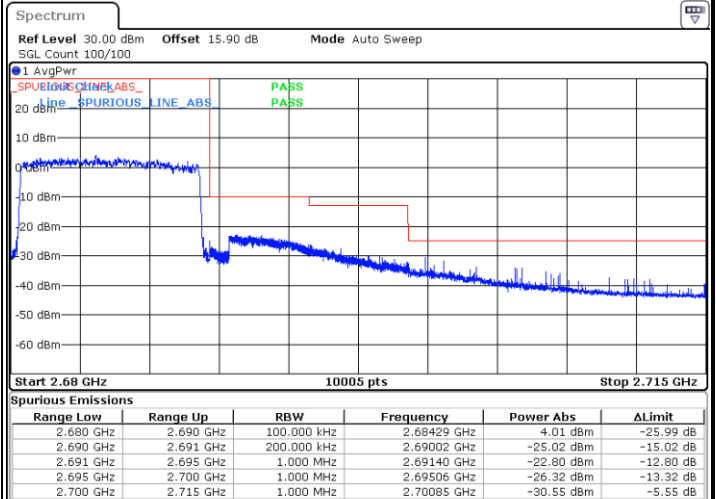
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



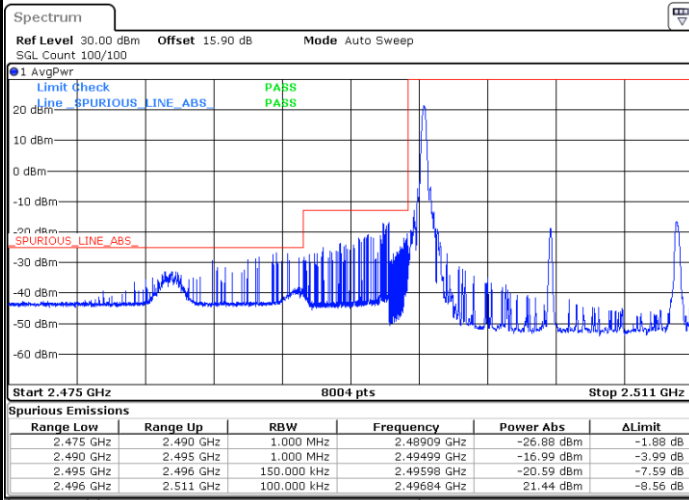
Highest Band Edge / Full RB



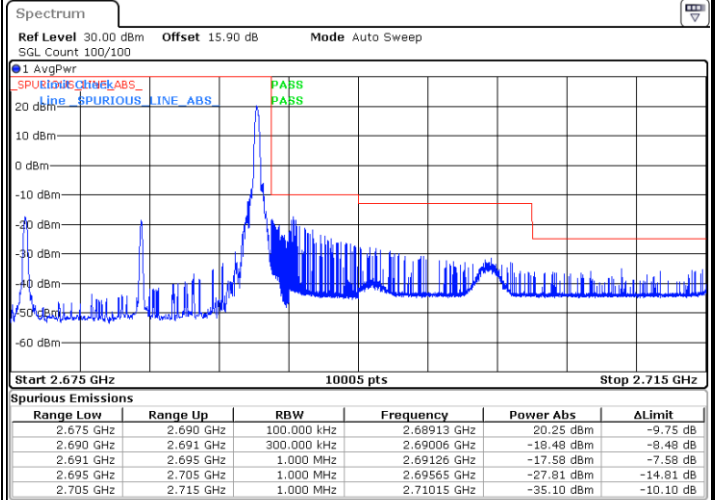


LTE Band 41 / 15MHz / QPSK

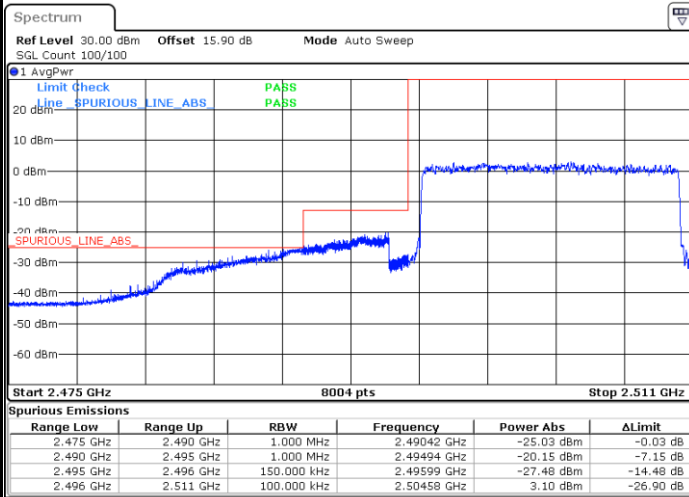
Lowest Band Edge / 1 RB



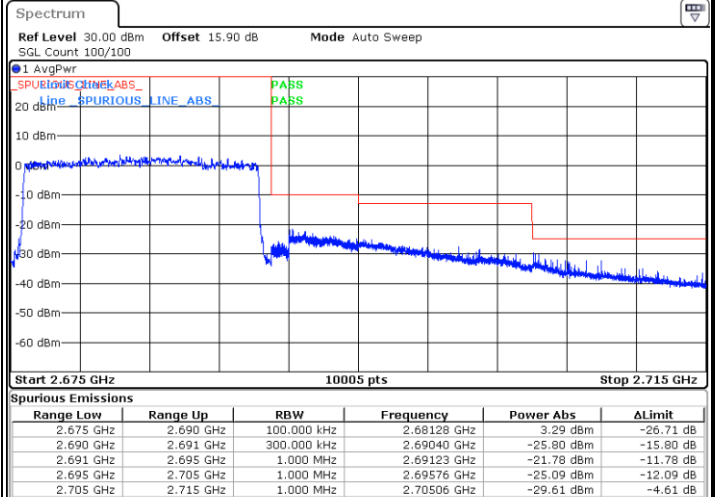
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



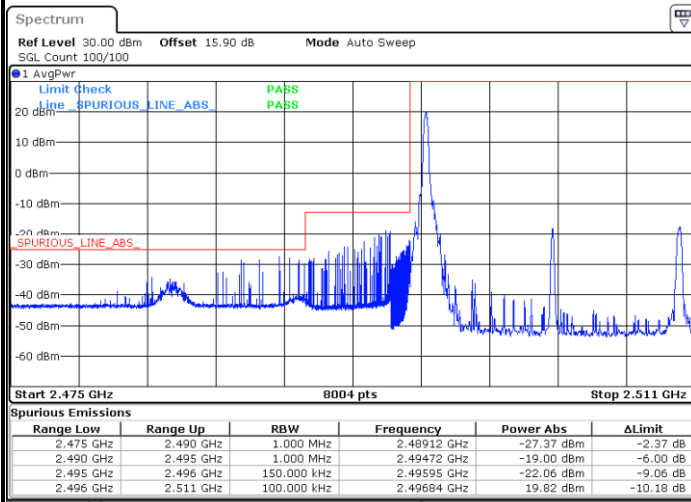
Highest Band Edge / Full RB



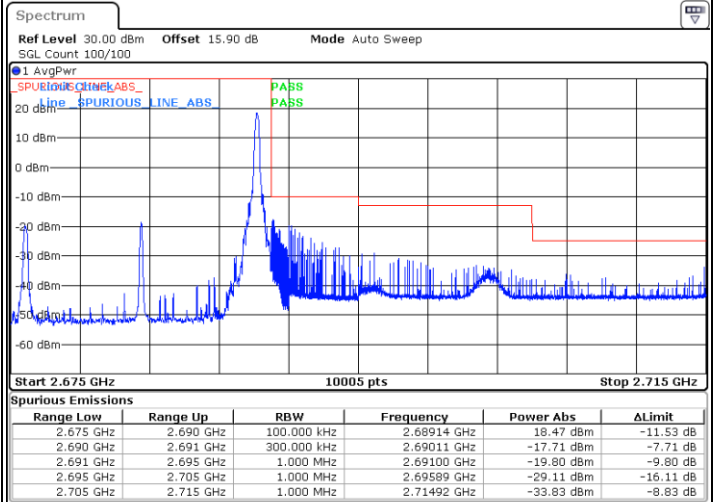


LTE Band 41 / 15MHz / 16QAM

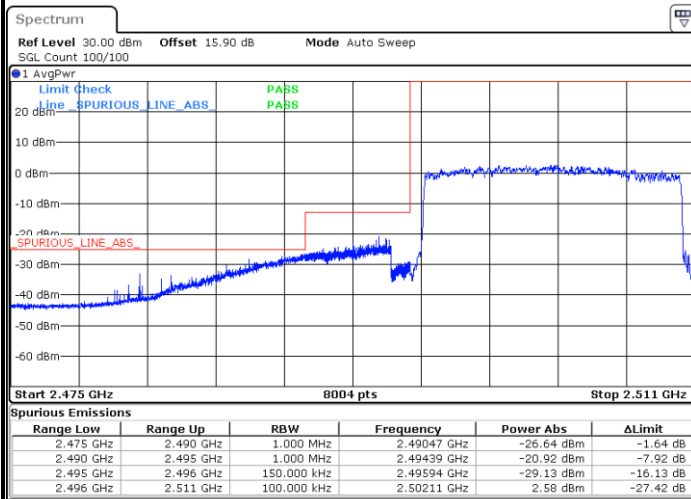
Lowest Band Edge / 1 RB



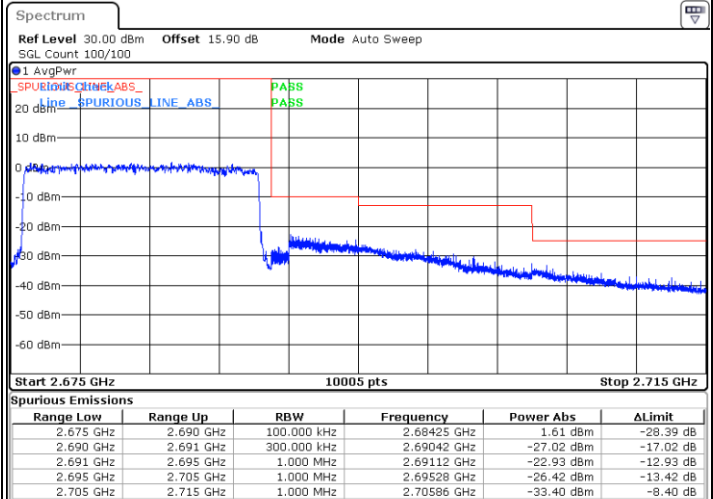
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



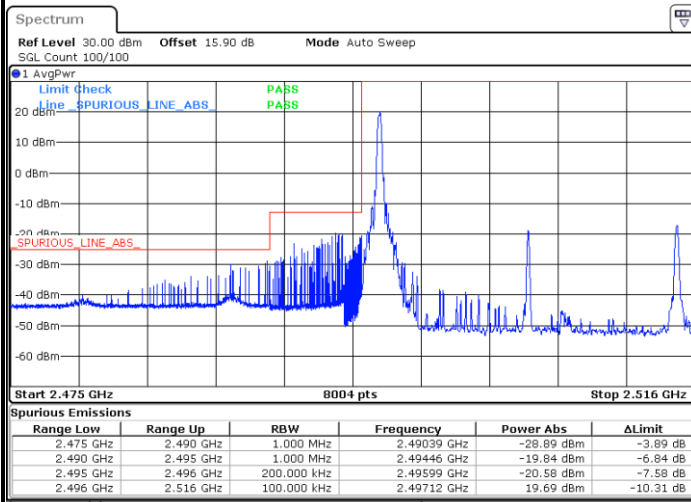
Highest Band Edge / Full RB



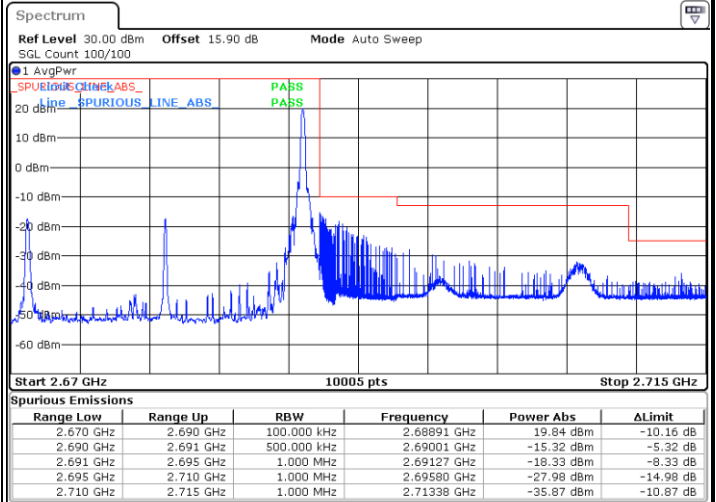


LTE Band 41 / 20MHz / QPSK

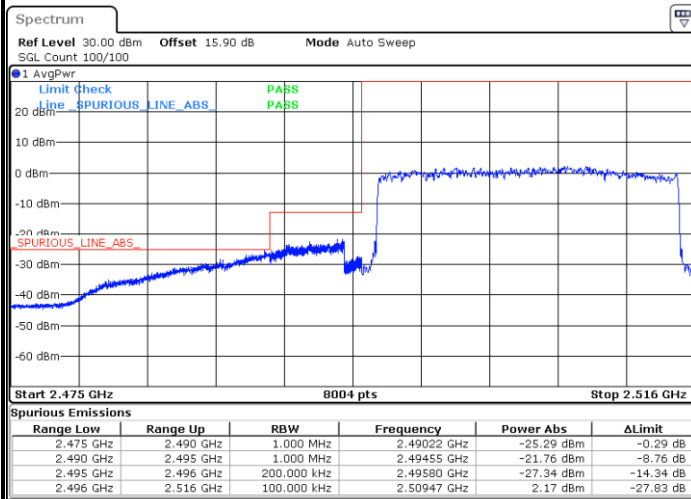
Lowest Band Edge / 1 RB



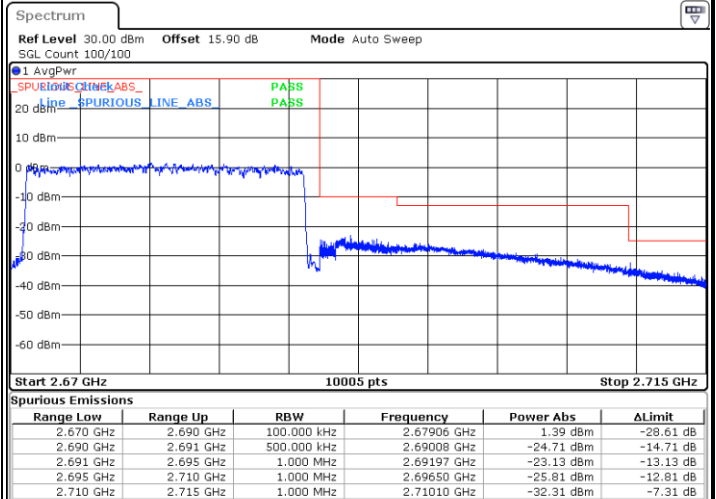
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



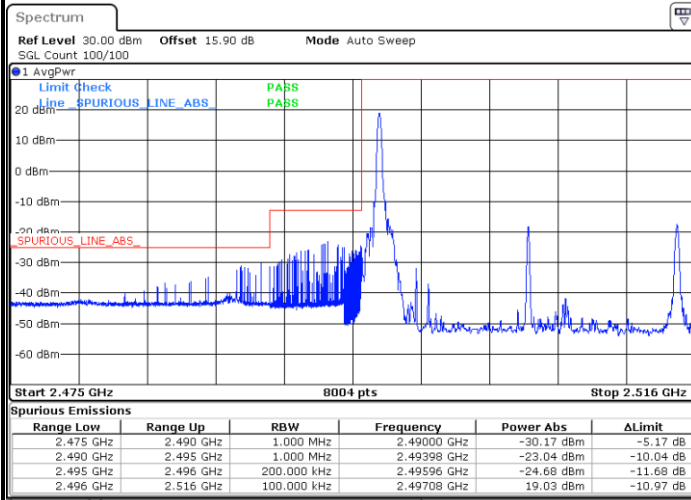
Highest Band Edge / Full RB



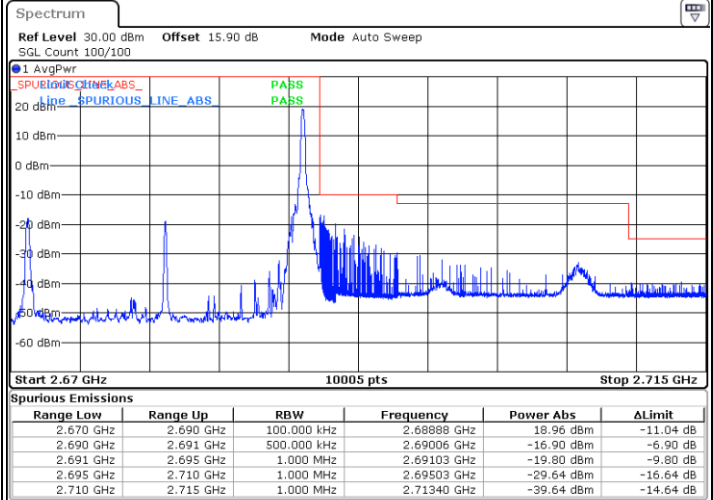


LTE Band 41 / 20MHz / 16QAM

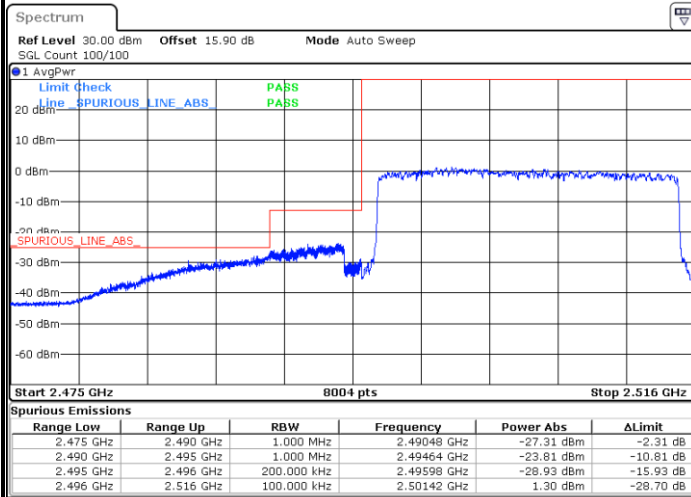
Lowest Band Edge / 1 RB



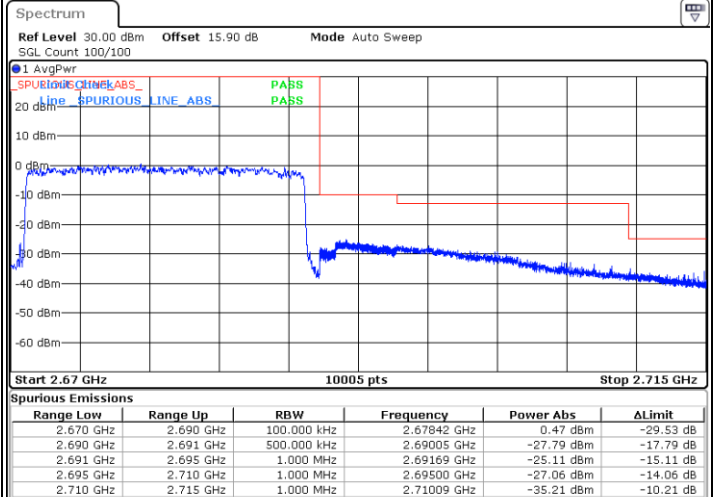
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



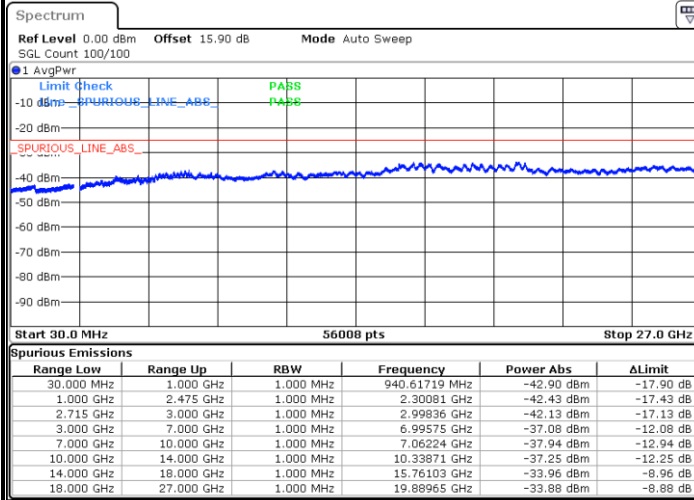


Conducted Spurious Emission



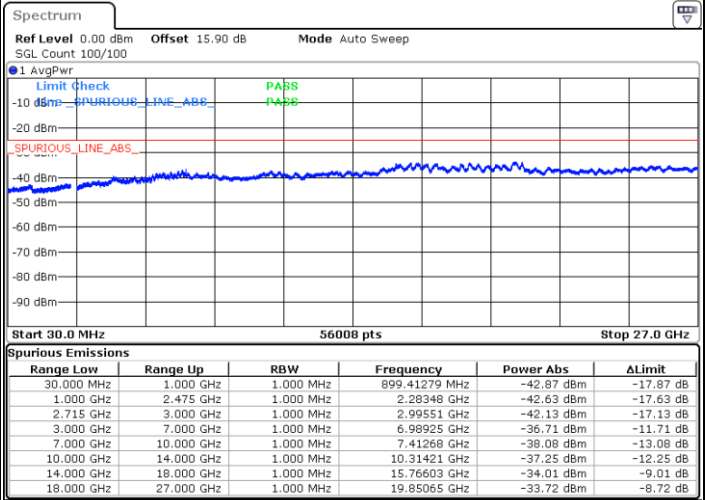
LTE Band 41 / 5MHz

Lowest Channel / QPSK



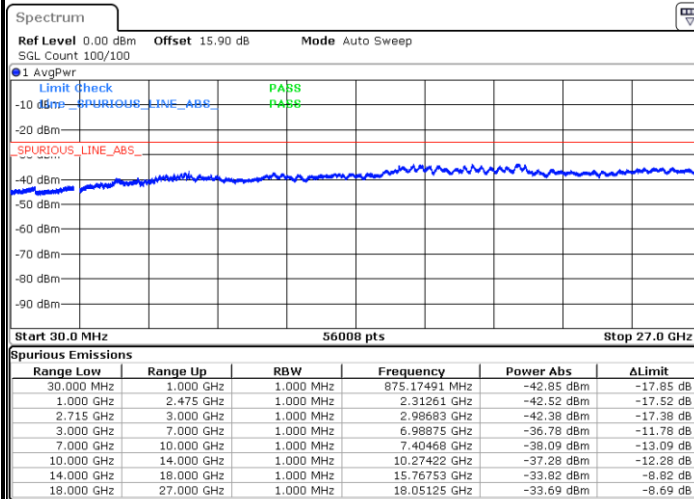
Date: 10 JAN 2018 16:42:21

Lowest Channel / 16QAM



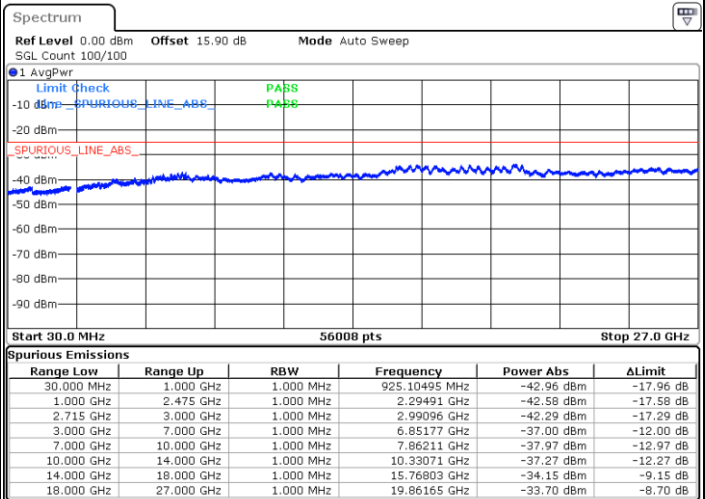
Date: 10 JAN 2018 16:43:15

Middle Channel / QPSK



Date: 10 JAN 2018 16:44:09

Middle Channel / 16QAM

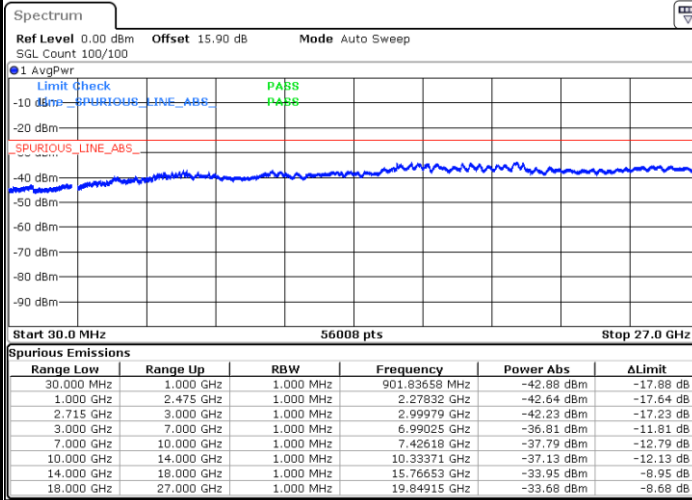


Date: 10 JAN 2018 16:45:03



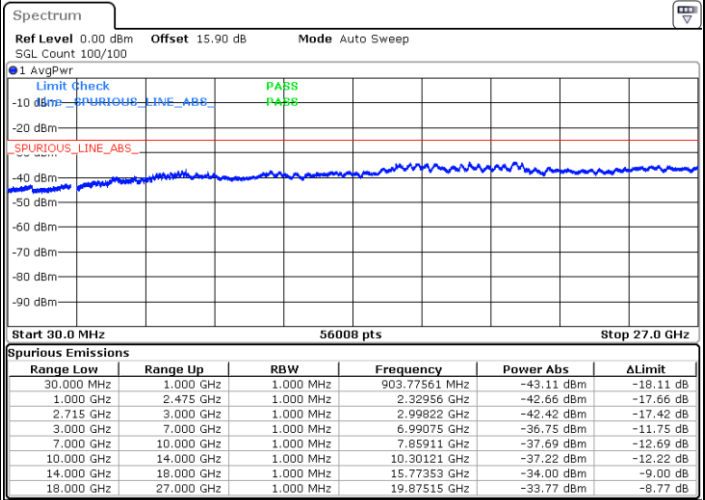
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 10 JAN 2018 16:45:57

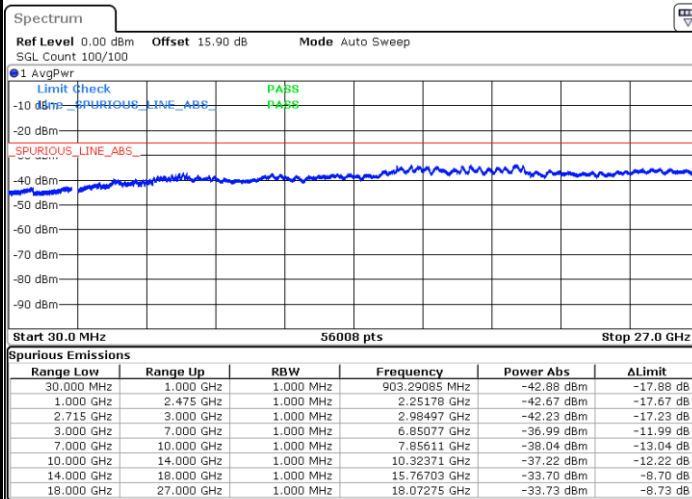
Highest Channel / 16QAM



Date: 10 JAN 2018 16:46:51

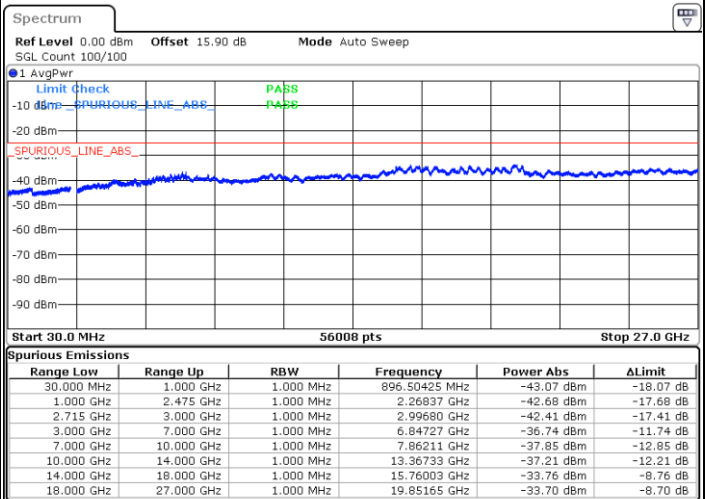
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 10 JAN 2018 16:47:45

Lowest Channel / 16QAM

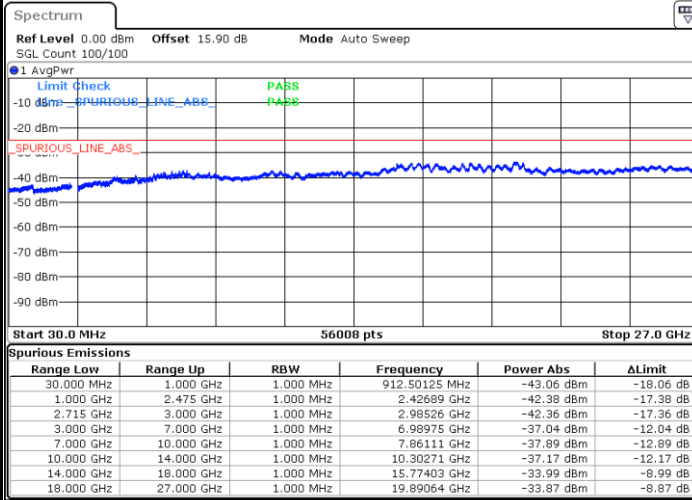


Date: 10 JAN 2018 16:48:39



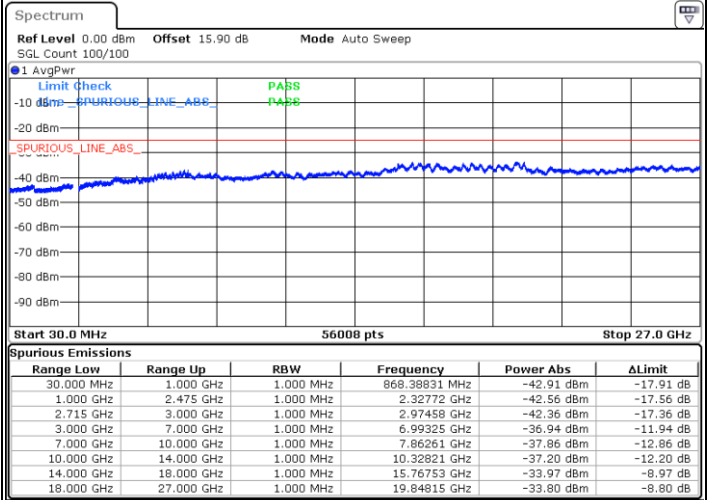
LTE Band 41 / 10MHz

Middle Channel / QPSK



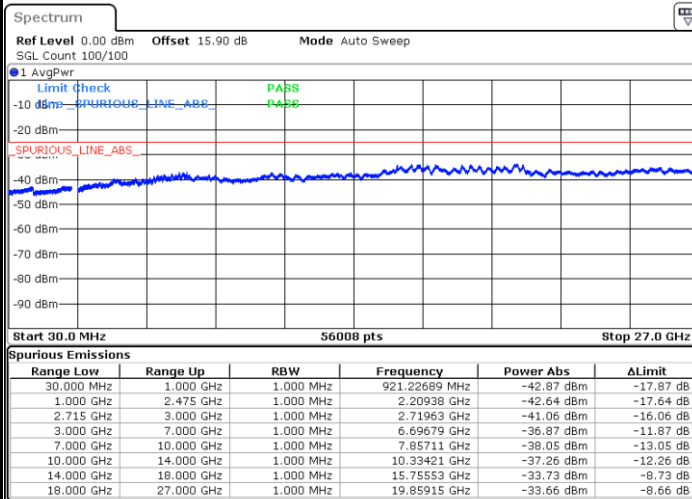
Date: 10 JAN 2018 16:49:33

Middle Channel / 16QAM



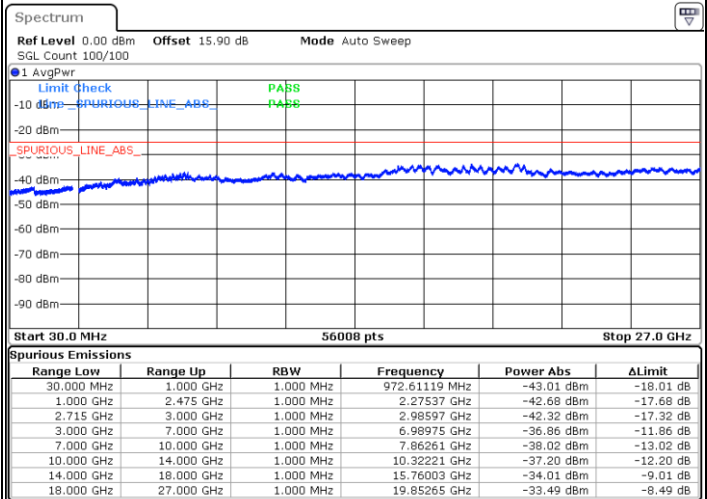
Date: 10 JAN 2018 16:50:27

Highest Channel / QPSK



Date: 10 JAN 2018 16:51:21

Highest Channel / 16QAM

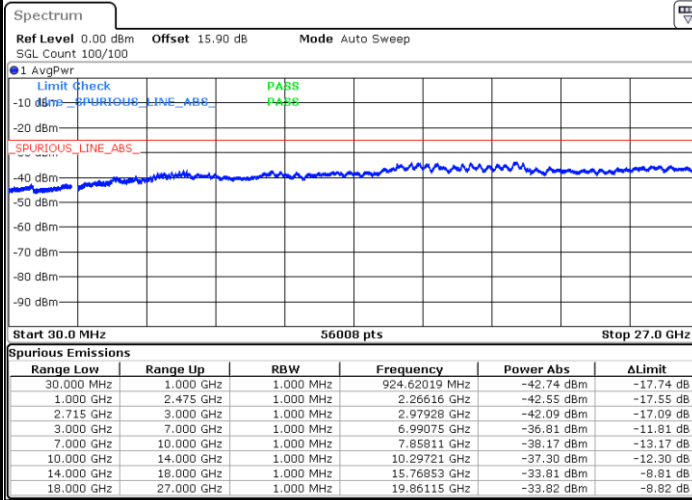


Date: 10 JAN 2018 16:52:15



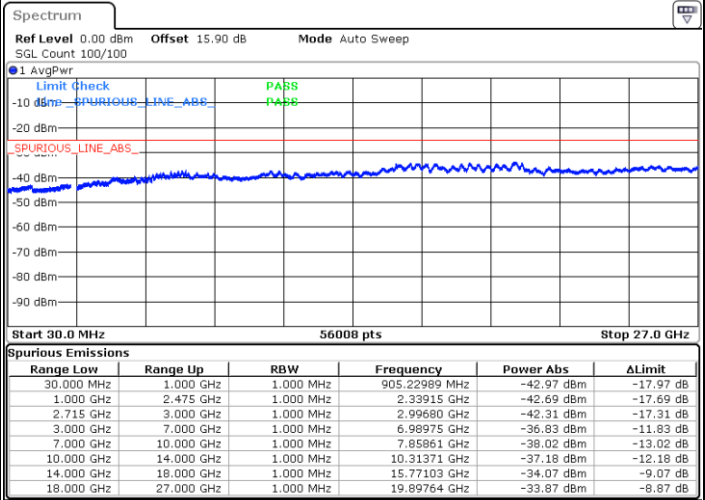
LTE Band 41 / 15MHz

Lowest Channel / QPSK



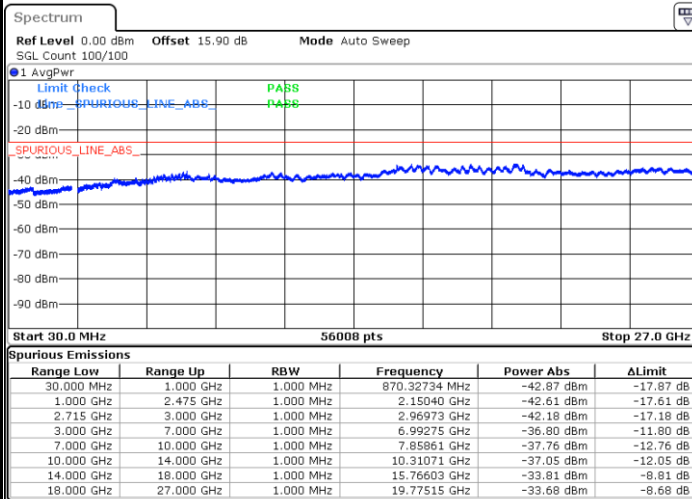
Date: 10 JAN 2018 16:53:09

Lowest Channel / 16QAM



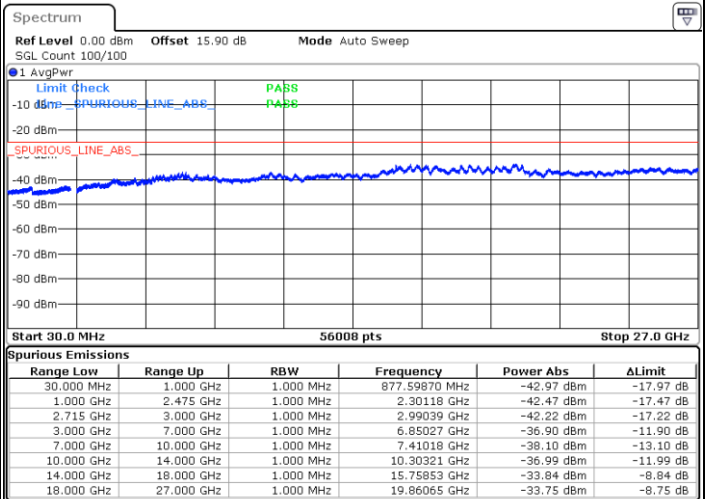
Date: 10 JAN 2018 16:54:03

Middle Channel / QPSK



Date: 10 JAN 2018 16:54:57

Middle Channel / 16QAM

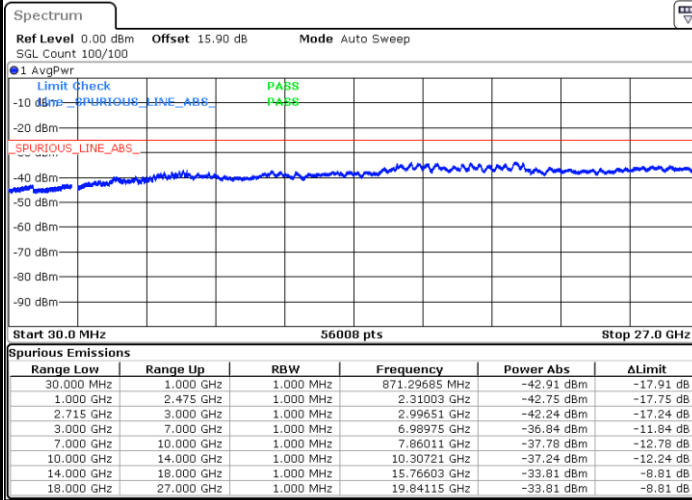


Date: 10 JAN 2018 16:55:51



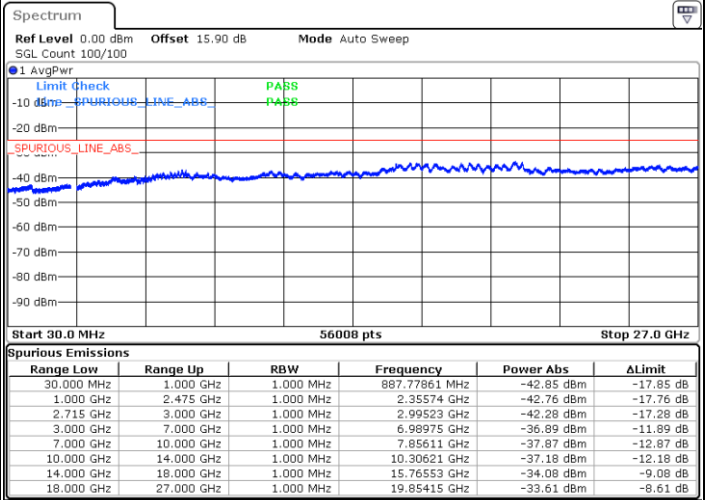
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 10 JAN 2018 16:56:45

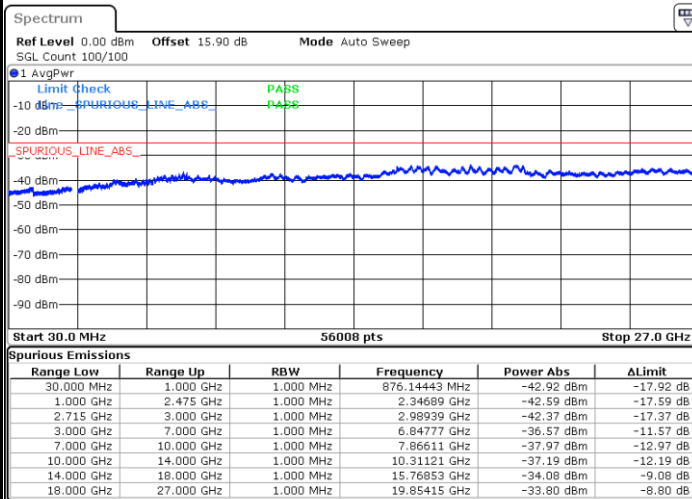
Highest Channel / 16QAM



Date: 10 JAN 2018 16:57:39

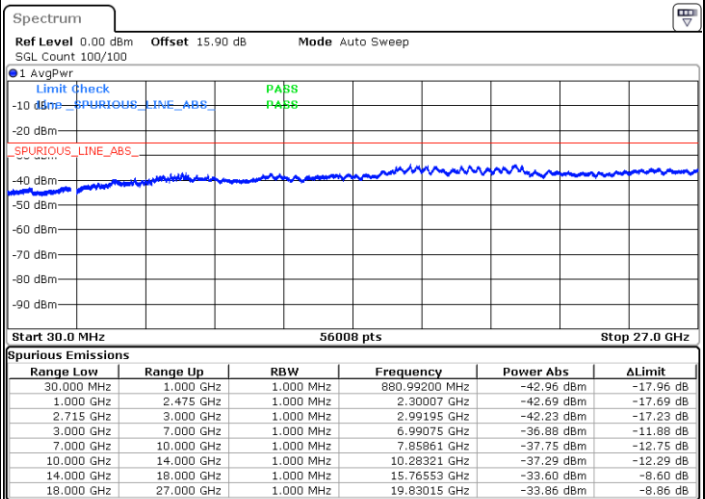
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 10 JAN 2018 16:58:33

Lowest Channel / 16QAM

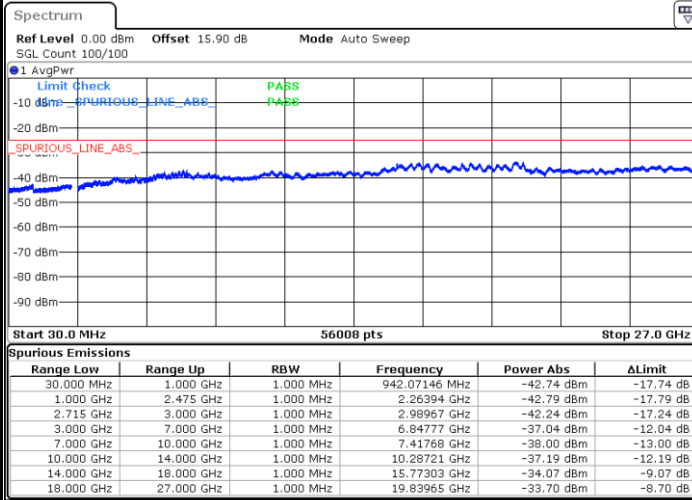


Date: 10 JAN 2018 16:59:27



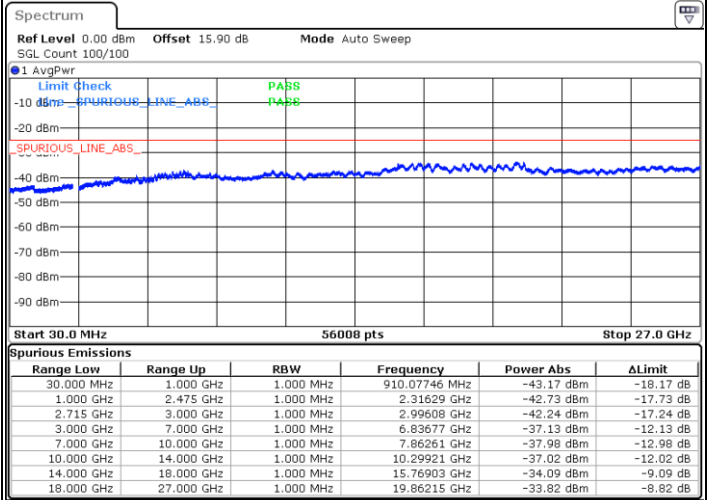
LTE Band 41 / 20MHz

Middle Channel / QPSK



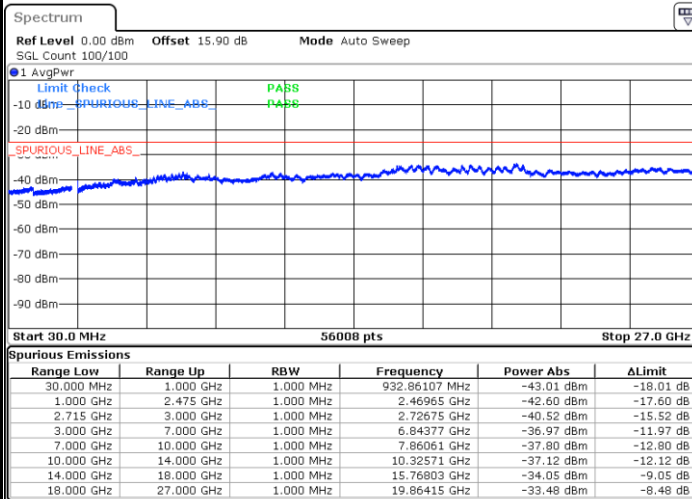
Date: 10 JAN 2018 17:00:21

Middle Channel / 16QAM



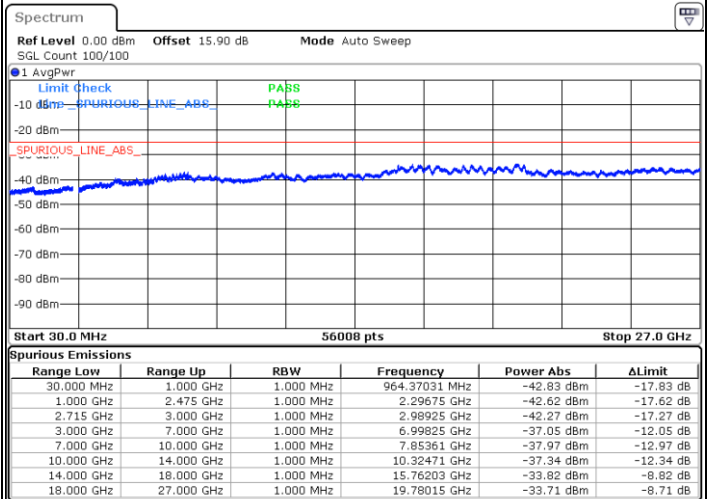
Date: 10 JAN 2018 17:01:15

Highest Channel / QPSK



Date: 10 JAN 2018 17:02:10

Highest Channel / 16QAM



Date: 10 JAN 2018 17:03:04

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0084	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0086	
0	Normal Voltage	0.0082	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



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

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	23.27	0.2123	24.67	0.2931
Middle		3	0	22.97	0.1982	24.37	0.2735
Highest		3	0	22.93	0.1963	24.33	0.2710
Lowest	16QAM	3	1	22.28	0.1690	23.68	0.2333
Middle		3	1	22.24	0.1675	23.64	0.2312
Highest		3	1	22.00	0.1585	23.40	0.2188
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.07	0.2028	24.47	0.2799
Middle		1	0	22.84	0.1923	24.24	0.2655
Highest		1	0	22.72	0.1871	24.12	0.2582
Lowest	16QAM	1	14	21.85	0.1531	23.25	0.2113
Middle		1	14	21.79	0.1510	23.19	0.2084
Highest		1	14	21.90	0.1549	23.30	0.2138
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.26	0.2118	24.66	0.2924
Middle		1	12	22.88	0.1941	24.28	0.2679
Highest		1	12	23.38	0.2178	24.78	0.3006
Lowest	16QAM	1	12	21.59	0.1442	22.99	0.1991
Middle		1	12	21.77	0.1503	23.17	0.2075
Highest		1	12	21.86	0.1535	23.26	0.2118
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.07	0.2028	24.47	0.2799
Middle		1	25	23.13	0.2056	24.53	0.2838
Highest		1	25	23.16	0.2070	24.56	0.2858
Lowest	16QAM	1	25	21.87	0.1538	23.27	0.2123
Middle		1	25	21.96	0.1570	23.36	0.2168
Highest		1	25	22.09	0.1618	23.49	0.2234
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.17	0.2075	24.57	0.2864
Middle		1	37	23.10	0.2042	24.50	0.2818
Highest		1	37	23.04	0.2014	24.44	0.2780
Lowest	16QAM	1	37	21.66	0.1466	23.06	0.2023
Middle		1	37	21.84	0.1528	23.24	0.2109
Highest		1	37	21.88	0.1542	23.28	0.2128
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.24	0.2109	24.64	0.2911
Middle		1	49	23.18	0.2080	24.58	0.2871
Highest		1	49	23.39	0.2183	24.79	0.3013
Lowest	16QAM	1	0	22.00	0.1585	23.40	0.2188
Middle		1	0	21.81	0.1517	23.21	0.2094
Highest		1	0	21.79	0.1510	23.19	0.2084
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.82	0.1914	24.57	0.2864
Middle		3	1	23.24	0.2109	24.99	0.3155
Highest		3	1	22.87	0.1936	24.62	0.2897
Lowest	16QAM	3	1	21.65	0.1462	23.40	0.2188
Middle		3	1	21.85	0.1531	23.60	0.2291
Highest		3	1	21.92	0.1556	23.67	0.2328
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.59	0.1816	24.34	0.2716
Middle		1	8	22.70	0.1862	24.45	0.2786
Highest		1	8	22.55	0.1799	24.30	0.2692
Lowest	16QAM	1	0	21.55	0.1429	23.30	0.2138
Middle		1	0	21.73	0.1489	23.48	0.2228
Highest		1	0	21.35	0.1365	23.10	0.2042
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.75	0.1884	24.50	0.2818
Middle		1	12	23.08	0.2032	24.83	0.3041
Highest		1	12	22.86	0.1932	24.61	0.2891
Lowest	16QAM	1	0	21.50	0.1413	23.25	0.2113
Middle		1	0	21.57	0.1435	23.32	0.2148
Highest		1	0	21.67	0.1469	23.42	0.2198
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.75	0.1884	24.50	0.2818
Middle		1	25	22.90	0.1950	24.65	0.2917
Highest		1	25	23.12	0.2051	24.87	0.3069
Lowest	16QAM	1	49	21.47	0.1403	23.22	0.2099
Middle		1	49	21.57	0.1435	23.32	0.2148
Highest		1	49	21.82	0.1521	23.57	0.2275
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.60	0.1820	24.35	0.2723
Middle		1	37	22.99	0.1991	24.74	0.2979
Highest		1	37	23.25	0.2113	25.00	0.3162
Lowest	16QAM	1	0	21.62	0.1452	23.37	0.2173
Middle		1	0	21.55	0.1429	23.30	0.2138
Highest		1	0	21.89	0.1545	23.64	0.2312
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.91	0.1954	24.66	0.2924
Middle		1	49	23.30	0.2138	25.05	0.3199
Highest		1	49	23.02	0.2004	24.77	0.2999
Lowest	16QAM	1	0	21.56	0.1432	23.31	0.2143
Middle		1	0	21.62	0.1452	23.37	0.2173
Highest		1	0	21.88	0.1542	23.63	0.2307
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -0.68 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.26	0.2118	20.43	0.1104
Middle		3	1	23.19	0.2084	20.36	0.1086
Highest		3	1	23.11	0.2046	20.28	0.1067
Lowest	16QAM	3	3	21.98	0.1578	19.15	0.0822
Middle		3	3	22.08	0.1614	19.25	0.0841
Highest		3	3	22.10	0.1622	19.27	0.0845
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -0.68 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.60	0.1820	19.77	0.0948
Middle		1	0	23.02	0.2004	20.19	0.1045
Highest		1	0	22.90	0.1950	20.07	0.1016
Lowest	16QAM	1	0	21.89	0.1545	19.06	0.0805
Middle		1	0	21.94	0.1563	19.11	0.0815
Highest		1	0	21.90	0.1549	19.07	0.0807
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -0.68 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.00	0.1995	20.17	0.1040
Middle		1	12	23.15	0.2065	20.32	0.1076
Highest		1	12	23.28	0.2128	20.45	0.1109
Lowest	16QAM	1	12	21.63	0.1455	18.80	0.0759
Middle		1	12	21.74	0.1493	18.91	0.0778
Highest		1	12	21.82	0.1521	18.99	0.0793
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -0.68 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	23.29	0.2133	20.46	0.1112
Middle		1	25	22.90	0.1950	20.07	0.1016
Highest		1	25	22.97	0.1982	20.14	0.1033
Lowest	16QAM	1	0	22.17	0.1648	19.34	0.0859
Middle		1	0	21.79	0.1510	18.96	0.0787
Highest		1	0	21.75	0.1496	18.92	0.0780
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	23.12	0.2051	24.52	0.2831
Middle		1.00	12.00	23.31	0.2143	24.71	0.2958
Highest		1.00	12.00	23.04	0.2014	24.44	0.2780
Lowest	16QAM	1.00	0.00	22.17	0.1648	23.57	0.2275
Middle		1.00	0.00	21.89	0.1545	23.29	0.2133
Highest		1.00	0.00	21.71	0.1483	23.11	0.2046
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	25	23.29	0.2133	24.69	0.2944
Middle		1.00	25	23.22	0.2099	24.62	0.2897
Highest		1.00	25	23.02	0.2004	24.42	0.2767
Lowest	16QAM	1.00	25	21.92	0.1556	23.32	0.2148
Middle		1.00	25	22.21	0.1663	23.61	0.2296
Highest		1.00	25	22.20	0.1660	23.60	0.2291
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	74.00	22.88	0.1941	24.28	0.2679
Middle		1.00	74.00	23.32	0.2148	24.72	0.2965
Highest		1.00	74.00	22.38	0.1730	23.78	0.2388
Lowest	16QAM	1.00	37.00	22.08	0.1614	23.48	0.2228
Middle		1.00	37.00	21.98	0.1578	23.38	0.2178
Highest		1.00	37.00	21.92	0.1556	23.32	0.2148
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49.00	23.00	0.1995	24.40	0.2754
Middle		1.00	49.00	23.33	0.2153	24.73	0.2972
Highest		1.00	49.00	22.86	0.1932	24.26	0.2667
Lowest	16QAM	1.00	49.00	21.77	0.1503	23.17	0.2075
Middle		1.00	49.00	22.01	0.1589	23.41	0.2193
Highest		1.00	49.00	21.96	0.1570	23.36	0.2168
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	22.80	0.1905	24.20	0.2630
Middle		1.00	12.00	23.26	0.2118	24.66	0.2924
Highest		1.00	12.00	22.68	0.1854	24.08	0.2559
Lowest	16QAM	1.00	12.00	21.64	0.1459	23.04	0.2014
Middle		1.00	12.00	22.32	0.1706	23.72	0.2355
Highest		1.00	12.00	21.34	0.1361	22.74	0.1879
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49	22.95	0.1972	24.35	0.2723
Middle		1.00	49	23.18	0.2080	24.58	0.2871
Highest		1.00	49	22.17	0.1648	23.57	0.2275
Lowest	16QAM	1.00	25	21.75	0.1496	23.15	0.2065
Middle		1.00	25	21.70	0.1479	23.10	0.2042
Highest		1.00	25	21.42	0.1387	22.82	0.1914
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	37.00	22.91	0.1954	24.31	0.2698
Middle		1.00	37.00	23.23	0.2104	24.63	0.2904
Highest		1.00	37.00	22.93	0.1963	24.33	0.2710
Lowest	16QAM	1.00	37.00	22.21	0.1663	23.61	0.2296
Middle		1.00	37.00	22.48	0.1770	23.88	0.2443
Highest		1.00	37.00	21.59	0.1442	22.99	0.1991
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	99.00	22.64	0.1837	24.04	0.2535
Middle		1.00	99.00	23.28	0.2128	24.68	0.2938
Highest		1.00	99.00	22.16	0.1644	23.56	0.2270
Lowest	16QAM	1.00	49.00	21.78	0.1507	23.18	0.2080
Middle		1.00	49.00	22.46	0.1762	23.86	0.2432
Highest		1.00	49.00	21.40	0.1380	22.80	0.1905
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	23.67	0.2328	25.07	0.3214
Middle		1.00	12.00	23.63	0.2307	25.03	0.3184
Highest		1.00	12.00	23.79	0.2393	25.19	0.3304
Lowest	16QAM	1.00	12.00	22.14	0.1637	23.54	0.2259
Middle		1.00	12.00	22.12	0.1629	23.52	0.2249
Highest		1.00	12.00	22.92	0.1959	24.32	0.2704
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	25	23.65	0.2317	25.05	0.3199
Middle		1.00	25	23.55	0.2265	24.95	0.3126
Highest		1.00	25	23.85	0.2427	25.25	0.3350
Lowest	16QAM	1.00	25	22.38	0.1730	23.78	0.2388
Middle		1.00	25	22.14	0.1637	23.54	0.2259
Highest		1.00	25	22.46	0.1762	23.86	0.2432
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	37.00	23.90	0.2455	25.30	0.3388
Middle		1.00	37.00	23.82	0.2410	25.22	0.3327
Highest		1.00	37.00	23.87	0.2438	25.27	0.3365
Lowest	16QAM	1.00	37.00	22.41	0.1742	23.81	0.2404
Middle		1.00	37.00	22.20	0.1660	23.60	0.2291
Highest		1.00	37.00	22.37	0.1726	23.77	0.2382
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49.00	23.68	0.2333	25.08	0.3221
Middle		1.00	49.00	23.92	0.2466	25.32	0.3404
Highest		1.00	49.00	23.71	0.2350	25.11	0.3243
Lowest	16QAM	1.00	49.00	22.36	0.1722	23.76	0.2377
Middle		1.00	49.00	22.43	0.1750	23.83	0.2415
Highest		1.00	49.00	22.41	0.1742	23.81	0.2404
Limit	EIRP < 2W			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	-41.39	-13	-28.39	-54.18	-51.70	1.97	12.28	H
	5555	-30.06	-13	-17.06	-44.97	-40.19	2.14	12.28	H
	7403	-49.14	-13	-36.14	-67.18	-57.14	2.17	10.17	H
	9258	-44.34	-13	-31.34	-67.11	-54.22	2.21	12.09	H
	11111	-46.69	-13	-33.69	-70.67	-55.35	2.58	11.23	H
									H
									H
	3700	-42.14	-13	-29.14	-54.47	-52.45	1.97	12.28	V
	5555	-35.09	-13	-22.09	-50.01	-45.22	2.14	12.28	V
	7403	-49.23	-13	-36.23	-67.15	-57.23	2.17	10.17	V
	9258	-45.32	-13	-32.32	-67.1	-55.20	2.21	12.09	V
	11111	-47.02	-13	-34.02	-71.67	-55.68	2.58	11.23	V
									V
									V
Middle	3742	-39.55	-13	-26.55	-52.4	-49.81	2.00	12.25	H
	5611	-33.23	-13	-20.23	-48.02	-43.46	2.13	12.36	H
	7487	-48.03	-13	-35.03	-66.12	-55.93	2.12	10.02	H
	9256	-46.30	-13	-33.30	-69.1	-56.18	2.21	12.09	H
	11225	-47.87	-13	-34.87	-71.98	-56.55	2.49	11.17	H
									H
									H
	3742	-40.45	-13	-27.45	-52.81	-50.71	2.00	12.25	V
	5611	-38.57	-13	-25.57	-53.33	-48.80	2.13	12.36	V
	7487	-47.91	-13	-34.91	-66.36	-55.81	2.12	10.02	V
	9256	-46.55	-13	-33.55	-68.4	-56.43	2.21	12.09	V
	11225	-47.09	-13	-34.09	-71.8	-55.77	2.49	11.17	V
									V
									V



Highest	3784	-43.85	-13	-30.85	-56.78	-54.06	2.02	12.23	H
	5674	-30.42	-13	-17.42	-45.5	-40.75	2.11	12.44	H
	7564	-48.34	-13	-35.34	-66.66	-56.46	2.11	10.23	H
	9454	-44.45	-13	-31.45	-67.06	-54.16	2.14	11.86	H
									H
									H
									H
	3784	-40.32	-13	-27.32	-52.72	-50.53	2.02	12.23	V
	5674	-36.34	-13	-23.34	-51.39	-46.67	2.11	12.44	V
	7564	-47.24	-13	-34.24	-65.56	-55.36	2.11	10.23	V
	9454	-46.12	-13	-33.12	-67.7	-55.83	2.14	11.86	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	-46.22	-13	-33.22	-58.55	-56.58	1.80	12.16	H
	5135	-42.94	-13	-29.94	-57.43	-52.76	2.30	12.13	H
	6843	-46.45	-13	-33.45	-62.96	-55.14	2.37	11.06	H
									H
									H
									H
									H
	3420	-49.44	-13	-36.44	-61.58	-59.80	1.80	12.16	V
	5135	-47.47	-13	-34.47	-62.18	-57.29	2.30	12.13	V
	6843	-44.75	-13	-31.75	-62.46	-53.44	2.37	11.06	V
									V
									V
									V
									V
Middle	3448	-48.76	-13	-35.76	-61.35	-59.18	1.83	12.24	H
	5170	-45.41	-13	-32.41	-59.78	-55.25	2.29	12.13	H
	6892	-53.79	-13	-40.79	-70.34	-62.41	2.38	11.01	H
									H
									H
									H
									H
	3448	-49.65	-13	-36.65	-62.01	-60.07	1.83	12.24	V
	5170	-51.17	-13	-38.17	-65.77	-61.01	2.29	12.13	V
	6892	-52.94	-13	-39.94	-70.65	-61.56	2.38	11.01	V
									V
									V
									V
									V



Highest	3476	-46.58	-13	-33.58	-59.45	-57.06	1.85	12.33	H
	5212	-38.58	-13	-25.58	-50.91	-48.45	2.27	12.14	H
	6948	-47.27	-13	-34.27	-63.89	-55.82	2.40	10.95	H
									H
									H
									H
									H
	3476	-47.98	-13	-34.98	-60.56	-58.46	1.85	12.33	V
	5212	-45.04	-13	-32.04	-59.59	-54.91	2.27	12.14	V
	6948	-47.52	-13	-34.52	-65.24	-56.07	2.40	10.95	V
									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	-43.42	-13	-30.42	-50.89	-48.81	1.23	8.76	H
	2472	-43.76	-13	-30.76	-53.76	-50.65	1.44	10.48	H
	3296	-52.47	-13	-39.47	-64.38	-60.41	1.70	11.79	H
	4120	-47.32	-13	-34.32	-59.96	-55.18	2.09	12.10	H
									H
									H
									H
	1648	-50.35	-13	-37.35	-56.84	-55.74	1.23	8.76	V
	2472	-48.88	-13	-35.88	-58.55	-55.77	1.44	10.48	V
	3296	-56.94	-13	-43.94	-68.65	-64.88	1.70	11.79	V
	4120	-50.17	-13	-37.17	-62.78	-58.03	2.09	12.10	V
									V
									V
									V
									V
Middle	1664	-46.35	-13	-33.35	-53.72	-51.79	1.23	8.82	H
	2496	-39.15	-13	-26.15	-49.06	-46.06	1.44	10.50	H
	3328	-53.24	-13	-40.24	-65.05	-61.25	1.73	11.88	H
	4160	-44.15	-13	-31.15	-56.76	-52.02	2.08	12.10	H
									H
									H
									H
	1664	-50.66	-13	-37.66	-57.2	-56.10	1.23	8.82	V
	2496	-44.84	-13	-31.84	-54.39	-51.75	1.44	10.50	V
	3328	-54.47	-13	-41.47	-66.09	-62.48	1.73	11.88	V
	4160	-47.85	-13	-34.85	-60.42	-55.72	2.08	12.10	V
									V
									V
									V
									V



Highest	1680	-46.35	-13	-33.35	-53.64	-51.85	1.24	8.88	H
	2520	-39.11	-13	-26.11	-49.03	-46.04	1.44	10.52	H
	3360	-49.90	-13	-36.90	-61.58	-57.97	1.76	11.98	H
	4200	-45.58	-13	-32.58	-58.13	-53.46	2.07	12.10	H
									H
									H
									H
	1680	-49.68	-13	-36.68	-56.28	-55.18	1.24	8.88	V
	2520	-45.74	-13	-32.74	-55.35	-52.67	1.44	10.52	V
	3360	-55.50	-13	-42.50	-67	-63.57	1.76	11.98	V
	4200	-47.59	-13	-34.59	-60.1	-55.47	2.07	12.10	V
									V
									V
									V

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

**LTE Band 7**

LTE Band 7 / 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	5004	-46.87	-25	-21.87	-61.73	-56.61	2.36	12.10	H
	7506	-38.52	-25	-13.52	-56.67	-46.43	2.11	10.02	H
	10008	-49.75	-25	-24.75	-73.2	-59.74	1.81	11.80	H
									H
									H
									H
									H
	5004	-44.59	-25	-19.59	-59.62	-54.33	2.36	12.10	V
	7506	-32.27	-25	-7.27	-50.69	-40.18	2.11	10.02	V
	10008	-49.28	-25	-24.28	-72.01	-59.27	1.81	11.80	V
									V
									V
									V
									V
Middle	5052	-47.07	-25	-22.07	-61.82	-56.84	2.34	12.11	H
	7578	-38.41	-25	-13.41	-56.79	-46.58	2.11	10.28	H
	10107	-49.55	-25	-24.55	-73.11	-59.42	1.97	11.84	H
									H
									H
									H
									H
	5052	-44.62	-25	-19.62	-59.56	-54.39	2.34	12.11	V
	7578	-32.34	-25	-7.34	-50.63	-40.51	2.11	10.28	V
	10107	-48.31	-25	-23.31	-71.37	-58.18	1.97	11.84	V
									V
									V
									V
									V



Highest	5100	-45.11	-25	-20.11	-59.69	-54.91	2.32	12.12	H
	7656	-37.58	-25	-12.58	-56.2	-46.03	2.11	10.56	H
	10206	-49.15	-25	-24.15	-72.81	-58.91	2.13	11.88	H
									H
									H
									H
									H
	5100	-44.46	-25	-19.46	-59.25	-54.26	2.32	12.12	V
	7656	-32.22	-25	-7.22	-50.81	-40.67	2.11	10.56	V
	10206	-48.95	-25	-23.95	-72.34	-58.71	2.13	11.88	V
									V
									V
									V
									V

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

**LTE Band 38**

LTE Band 41 / 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	5142	-46.23	-25	-21.23	-60.67	-56.06	2.30	12.13	H
	7716	-33.98	-25	-8.98	-52.71	-42.64	2.11	10.78	H
	10287	-49.34	-25	-24.34	-73.08	-59.00	2.25	11.91	H
									H
									H
									H
									H
	5142	-45.03	-25	-20.03	-59.69	-54.86	2.30	12.13	V
	7716	-30.72	-25	-5.72	-49.53	-39.38	2.11	10.78	V
	10287	-48.03	-25	-23.03	-71.65	-57.69	2.25	11.91	V
									V
									V
									V
									V
Middle	5172	-43.61	-25	-18.61	-57.98	-53.45	2.29	12.13	H
	7758	-31.97	-25	-6.97	-50.83	-40.79	2.11	10.93	H
	10341	-48.35	-25	-23.35	-72.14	-57.95	2.34	11.94	H
									H
									H
									H
									H
	5172	-41.68	-25	-16.68	-56.28	-51.52	2.29	12.13	V
	7758	-28.99	-25	-3.99	-48.03	-37.81	2.11	10.93	V
	10341	-43.63	-25	-18.63	-67.42	-53.23	2.34	11.94	V
									V
									V
									V
									V



Highest	5202	-36.33	-25	-11.33	-50.6	-46.19	2.28	12.14	H
	7806	-30.32	-25	-5.32	-49.26	-39.31	2.11	11.10	H
	10404	-43.93	-25	-18.93	-67.78	-53.45	2.44	11.96	H
									H
									H
									H
									H
	5202	-42.70	-25	-17.70	-57.21	-52.56	2.28	12.14	V
	7806	-32.33	-25	-7.33	-51.53	-41.32	2.11	11.10	V
	10404	-45.19	-25	-20.19	-69.19	-54.71	2.44	11.96	V
									V
									V
									V
									V

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

**LTE Band 41**

LTE Band 41 / 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	4992	-46.40	-25	-21.40	-61.31	-56.15	2.35	12.10	H
	7494	-38.06	-25	-13.06	-56.17	-45.95	2.12	10.01	H
	9990	-48.32	-25	-23.32	-71.75	-58.31	1.81	11.80	H
									H
									H
									H
									H
	4992	-47.67	-25	-22.67	-62.75	-57.42	2.35	12.10	V
	7494	-41.16	-25	-16.16	-59.63	-49.05	2.12	10.01	V
	9990	-49.54	-25	-24.54	-72.21	-59.53	1.81	11.80	V
									V
									V
									V
									V
Middle	5166	-40.09	-25	-15.09	-54.47	-49.93	2.29	12.13	H
	7752	-29.75	-25	-4.75	-48.56	-38.54	2.11	10.91	H
	10341	-44.54	-25	-19.54	-68.33	-54.14	2.34	11.94	H
									H
									H
									H
									H
	5166	-43.45	-25	-18.45	-58.06	-53.29	2.29	12.13	V
	7752	-33.35	-25	-8.35	-52.31	-42.14	2.11	10.91	V
	10341	-45.70	-25	-20.70	-69.49	-55.30	2.34	11.94	V
									V
									V
									V
									V



Highest	5340	-35.96	-25	-10.96	-50.6	-45.91	2.22	12.17	H
	8016	-31.10	-25	-6.10	-52.01	-40.81	2.11	11.83	H
	10683	-45.62	-25	-20.62	-69.54	-54.75	2.62	11.74	H
									H
									H
									H
									H
	5340	-36.90	-25	-11.90	-51.62	-46.85	2.22	12.17	V
	8016	-33.56	-25	-8.56	-54.59	-43.27	2.11	11.83	V
	10683	-46.76	-25	-21.76	-71.19	-55.89	2.62	11.74	V
									V
									V
									V
									V

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