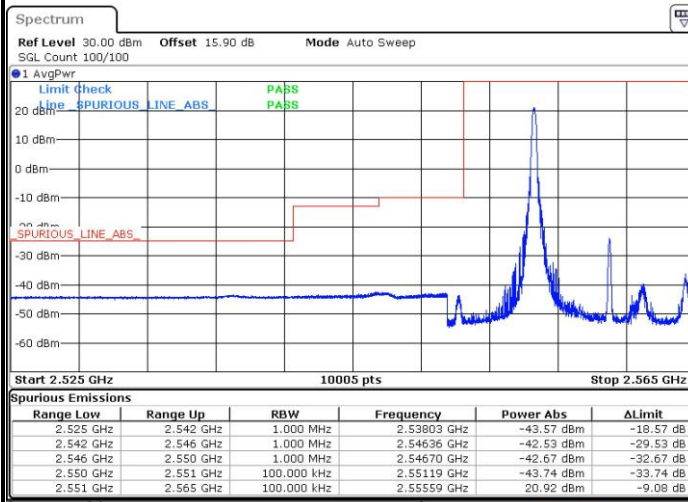


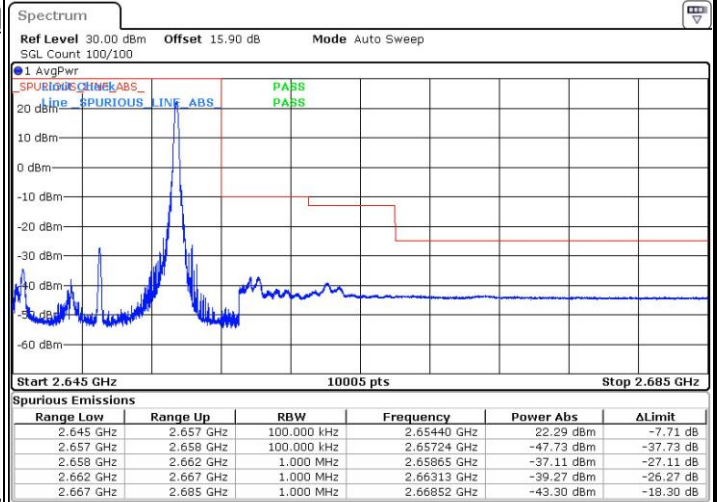


LTE Band 41 / 10MHz / QPSK

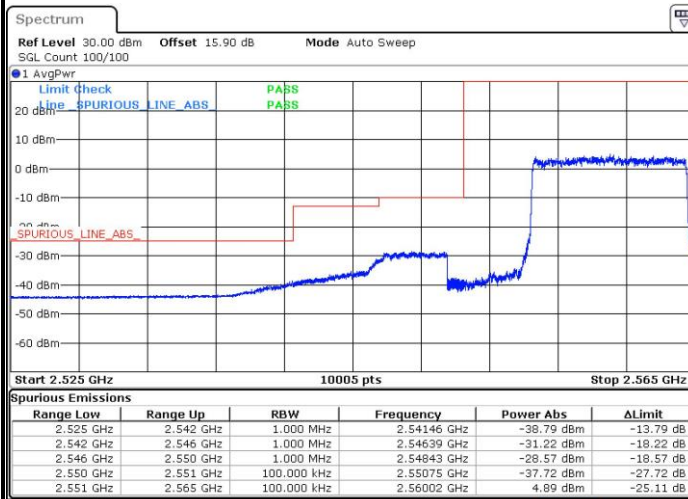
Lowest Band Edge / 1 RB



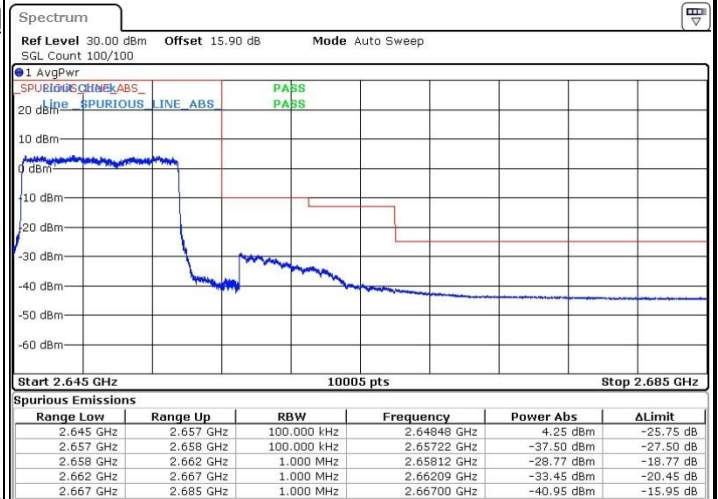
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



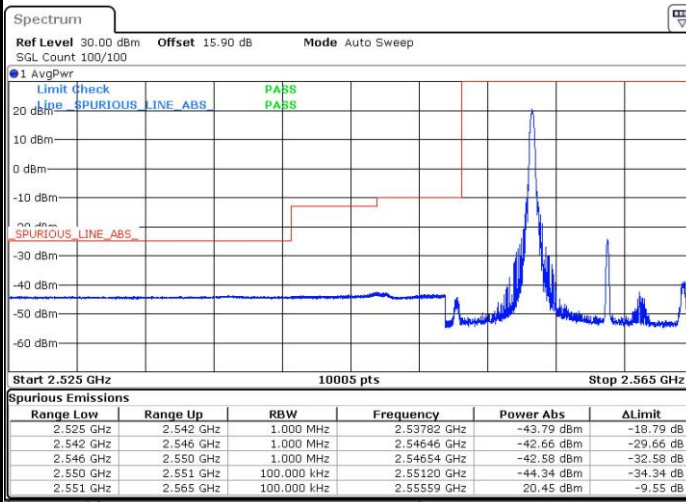
Highest Band Edge / Full RB



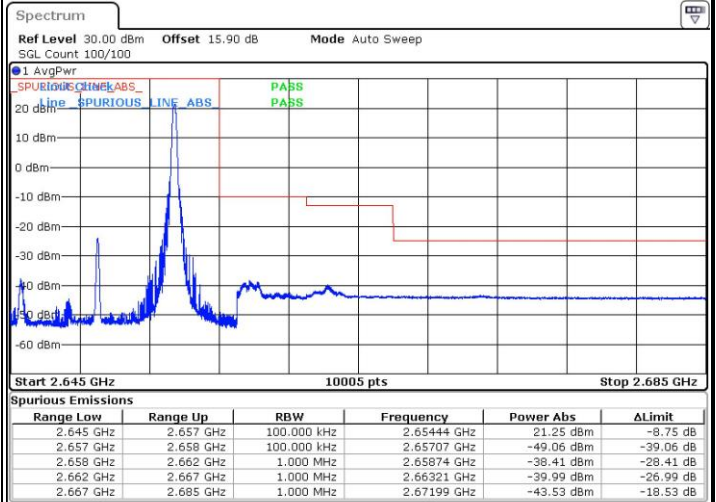


LTE Band 41 / 10MHz / 16QAM

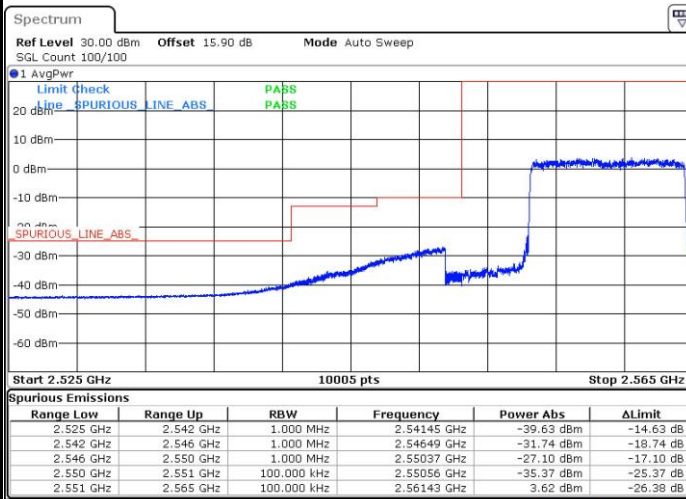
Lowest Band Edge / 1 RB



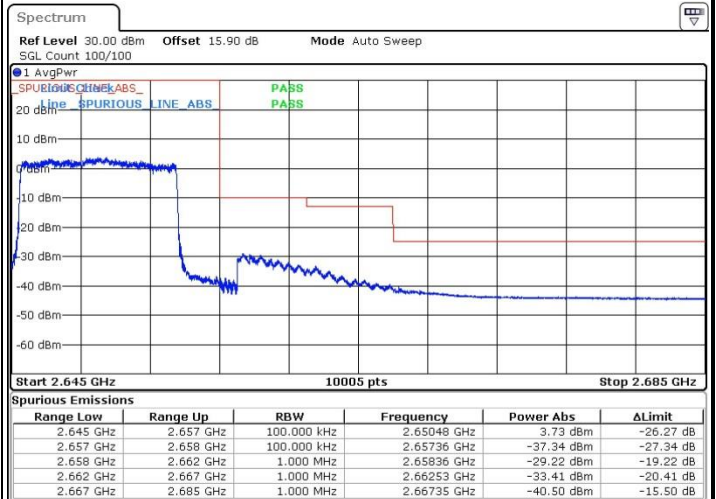
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



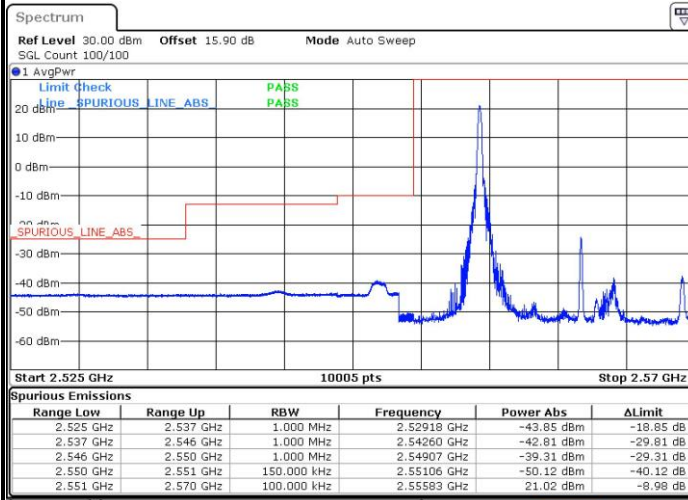
Highest Band Edge / Full RB



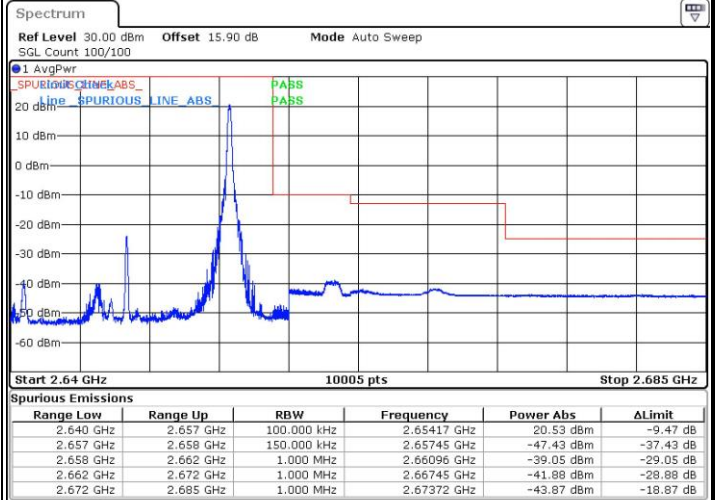


LTE Band 41 / 15MHz / QPSK

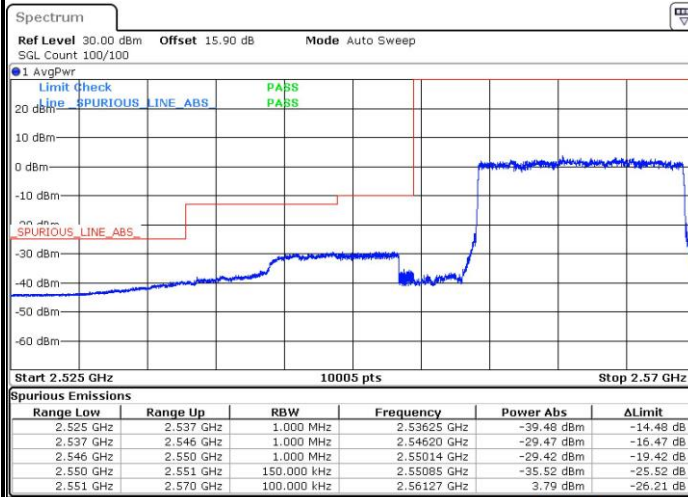
Lowest Band Edge / 1 RB



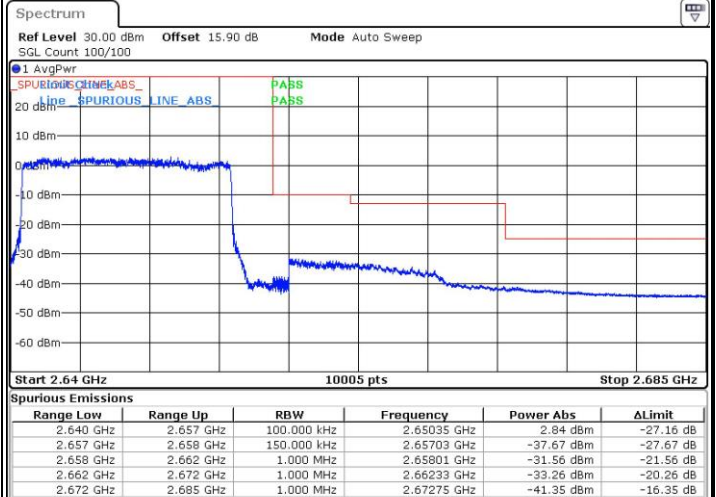
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



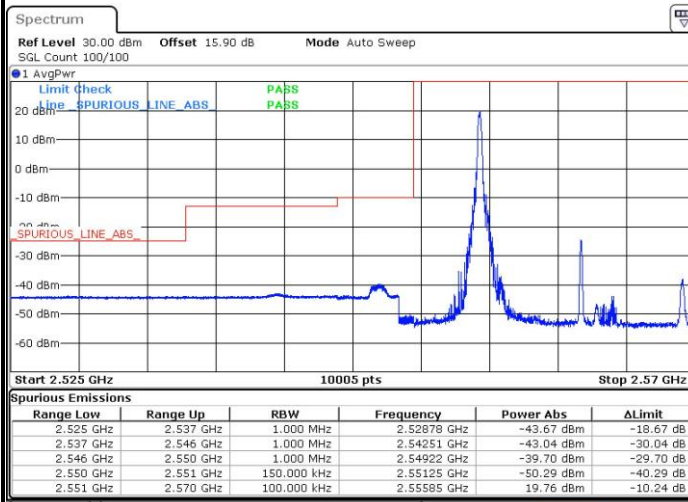
Highest Band Edge / Full RB



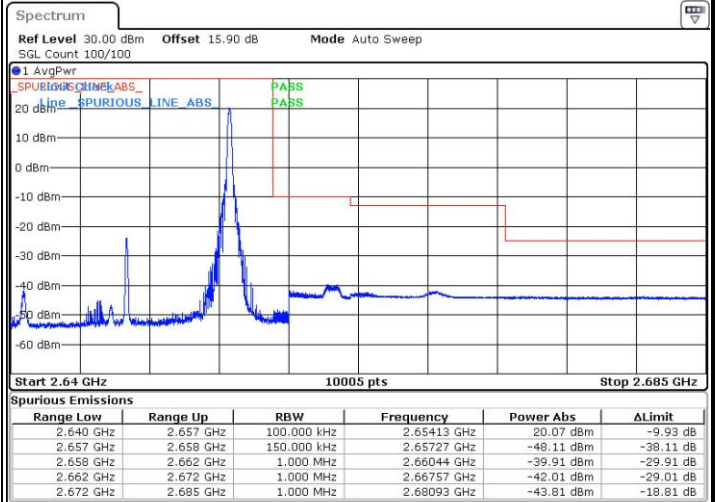


LTE Band 41 / 15MHz / 16QAM

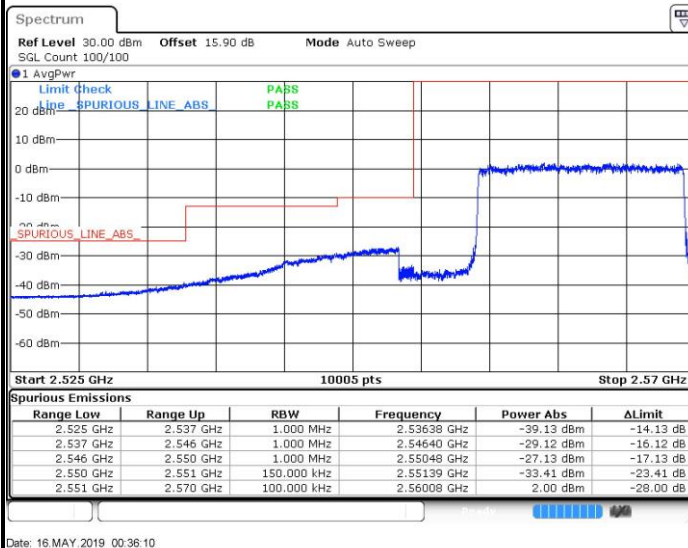
Lowest Band Edge / 1 RB



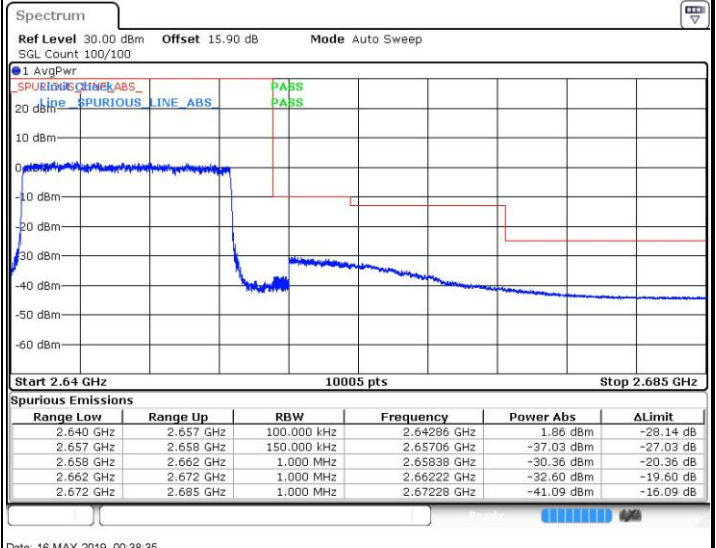
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



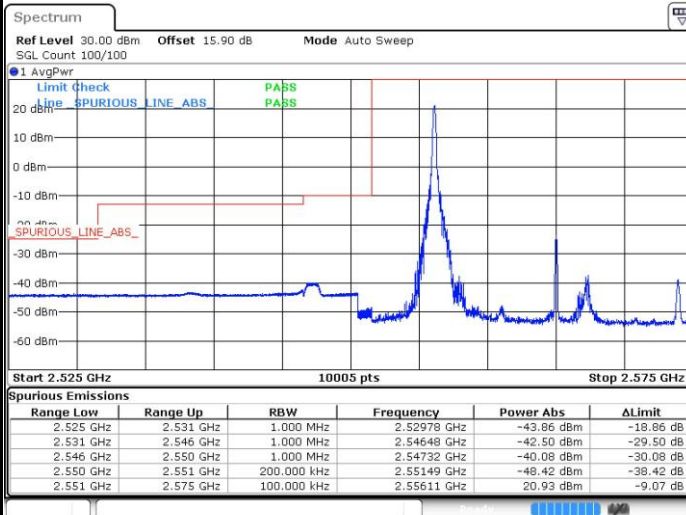
Highest Band Edge / Full RB



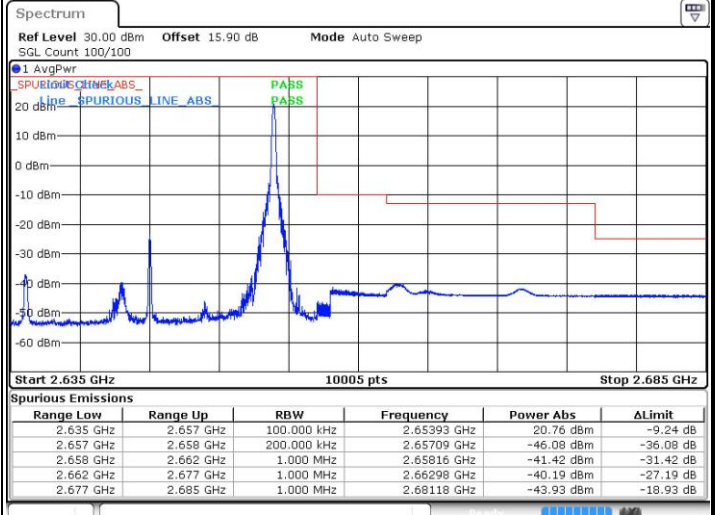


LTE Band 41 / 20MHz / QPSK

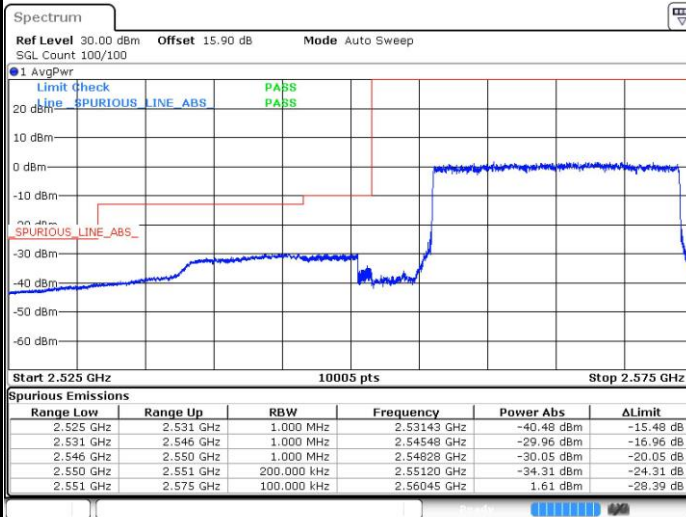
Lowest Band Edge / 1 RB



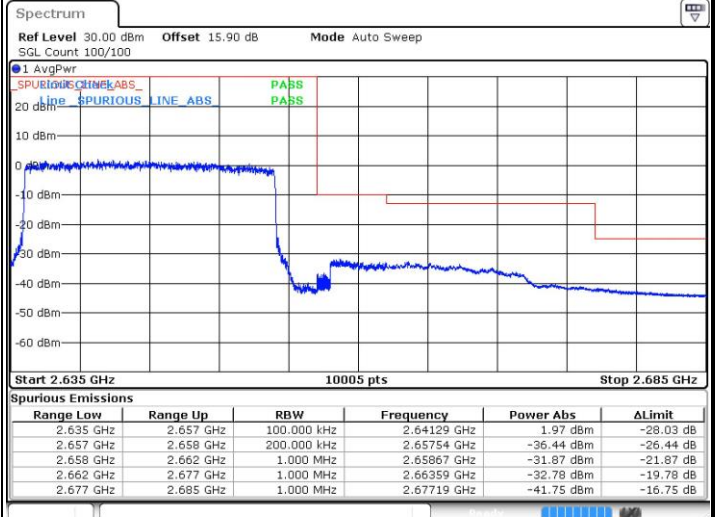
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



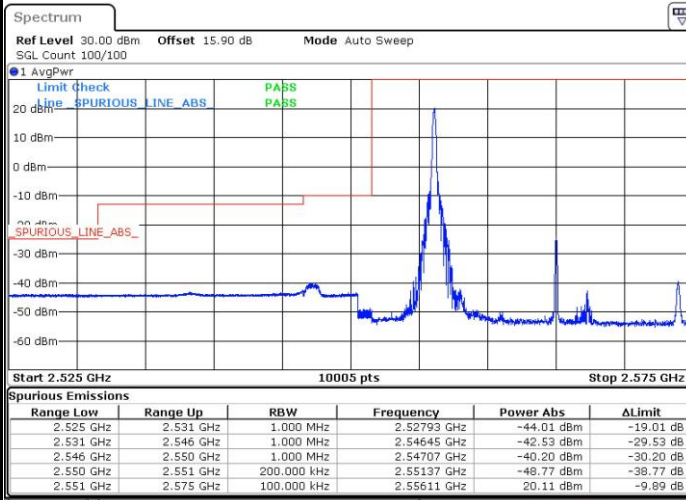
Highest Band Edge / Full RB



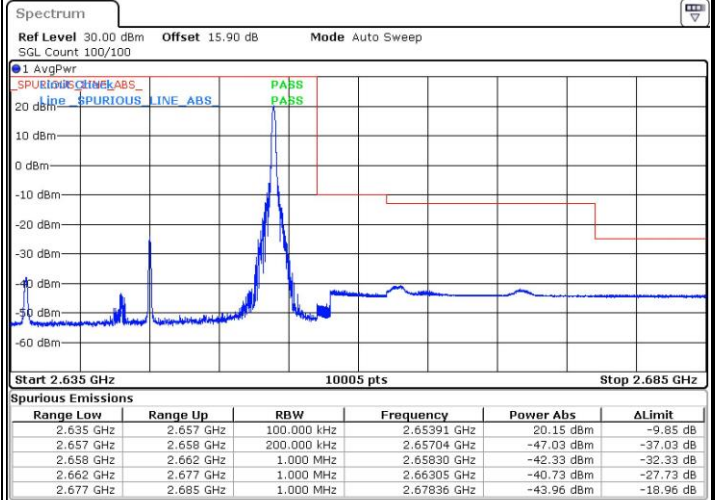


LTE Band 41 / 20MHz / 16QAM

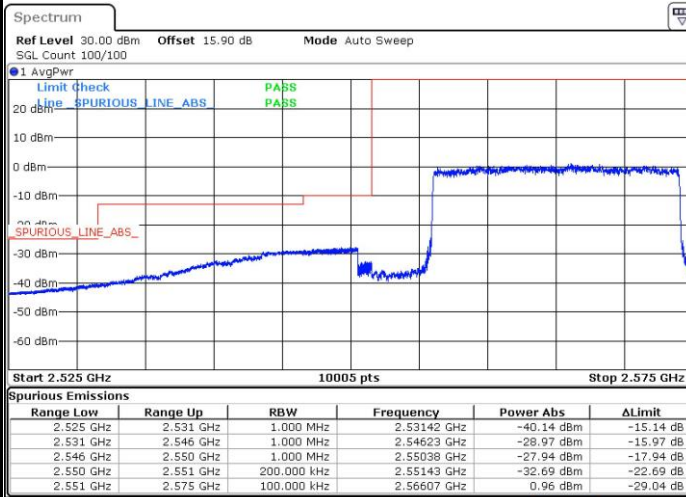
Lowest Band Edge / 1 RB



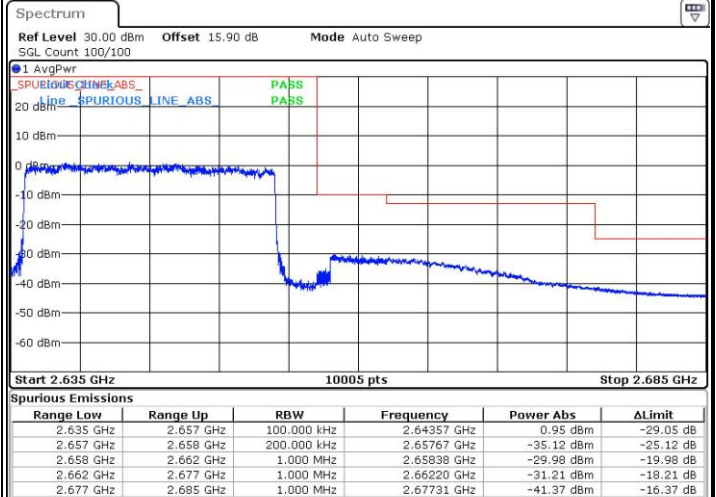
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



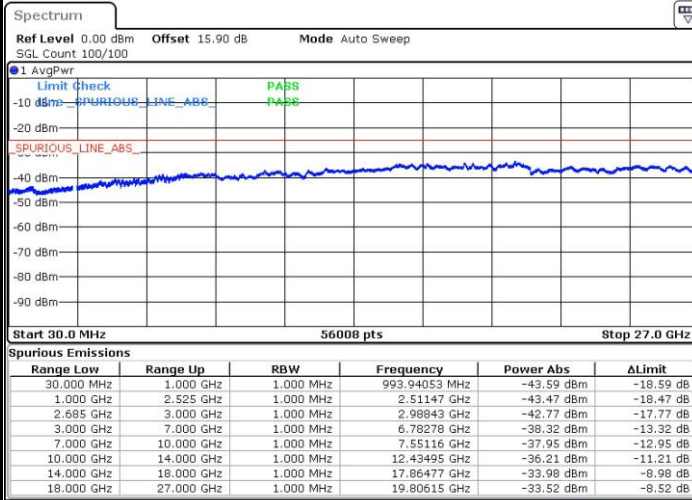


Conducted Spurious Emission



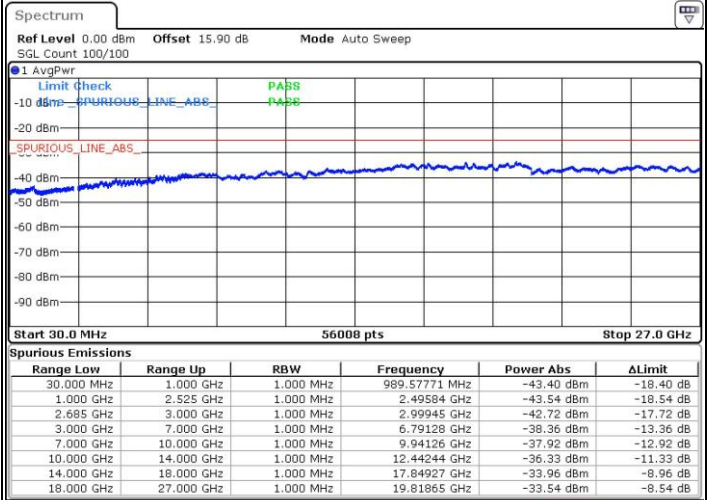
LTE Band 41 / 5MHz

Lowest Channel / QPSK



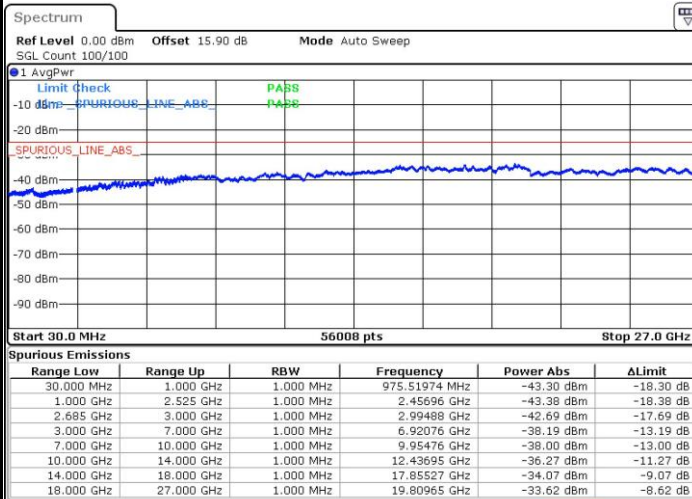
Date: 16 MAY 2019 00:44:16

Lowest Channel / 16QAM



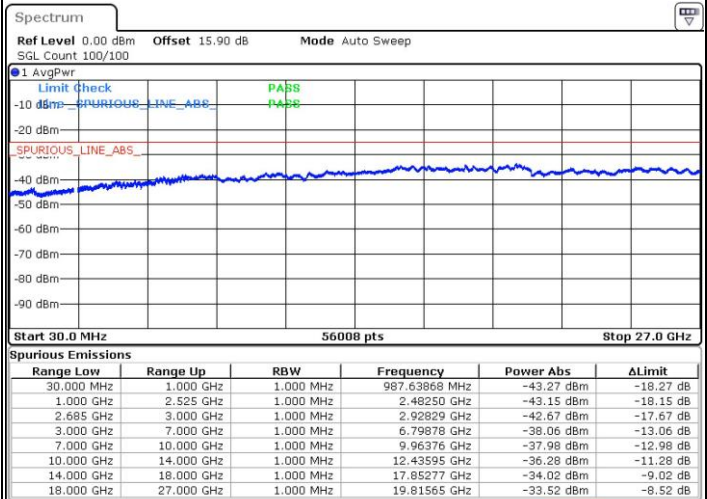
Date: 16 MAY 2019 00:45:04

Middle Channel / QPSK



Date: 16 MAY 2019 00:45:51

Middle Channel / 16QAM

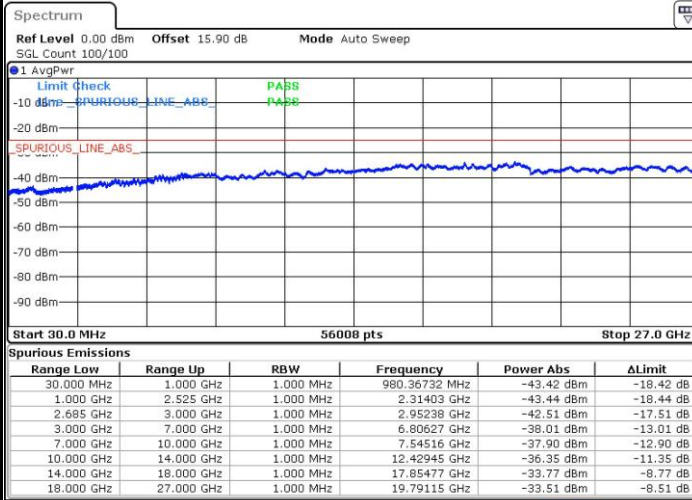


Date: 16 MAY 2019 00:46:38



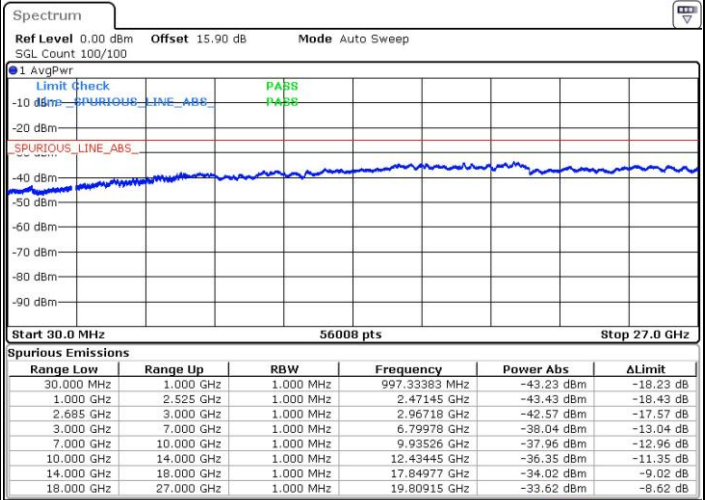
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 16 MAY 2019 00:47:26

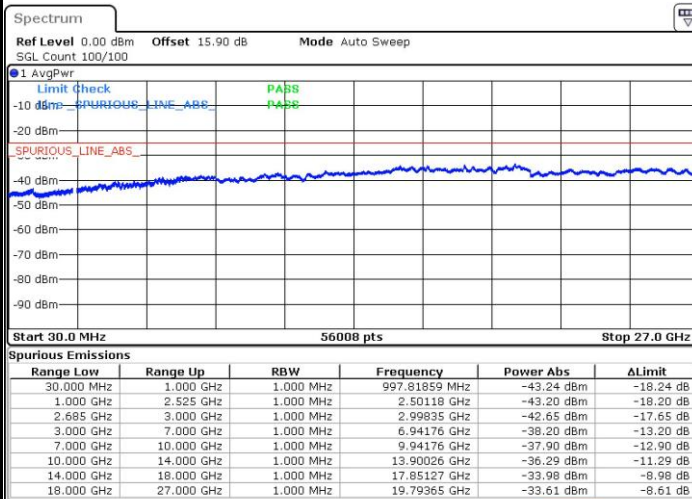
Highest Channel / 16QAM



Date: 16 MAY 2019 00:48:13

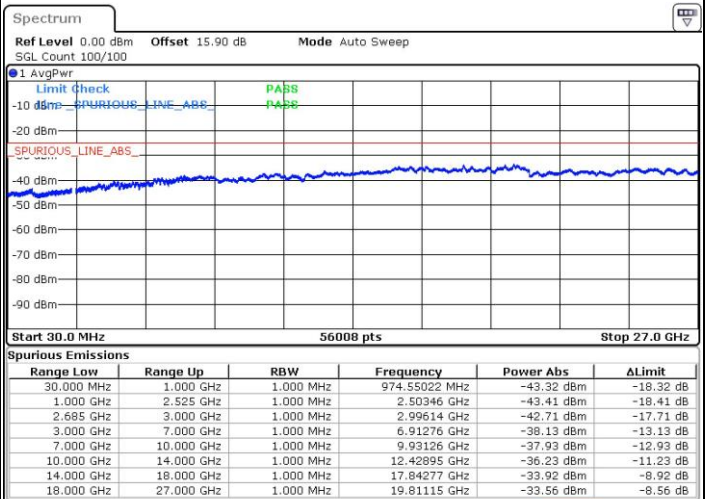
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 16 MAY 2019 00:49:02

Lowest Channel / 16QAM

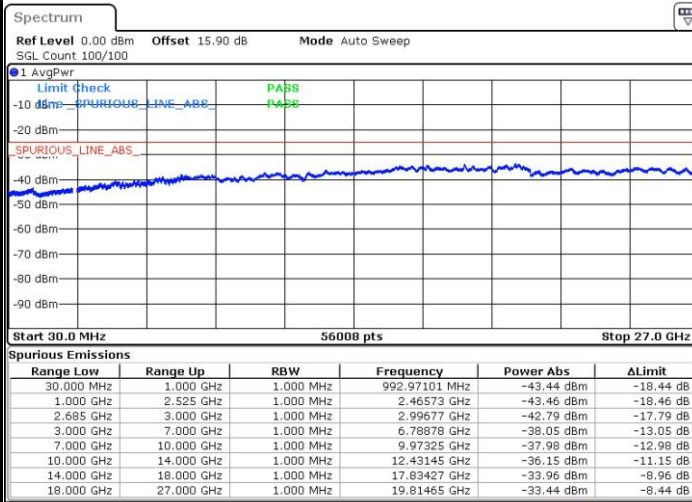


Date: 16 MAY 2019 00:49:49



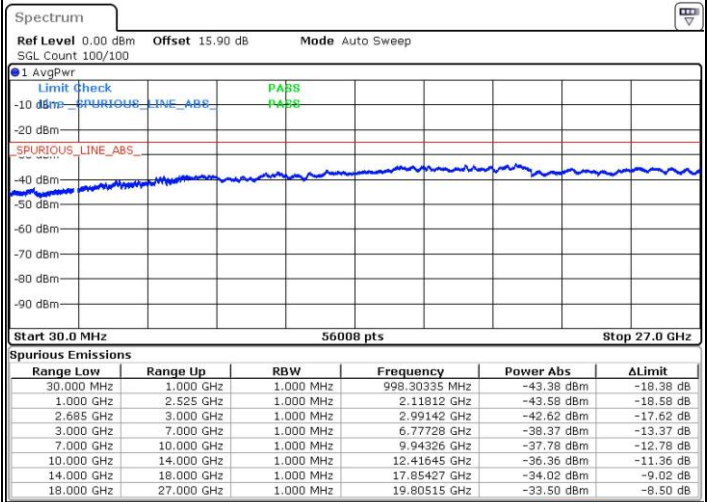
LTE Band 41 / 10MHz

Middle Channel / QPSK



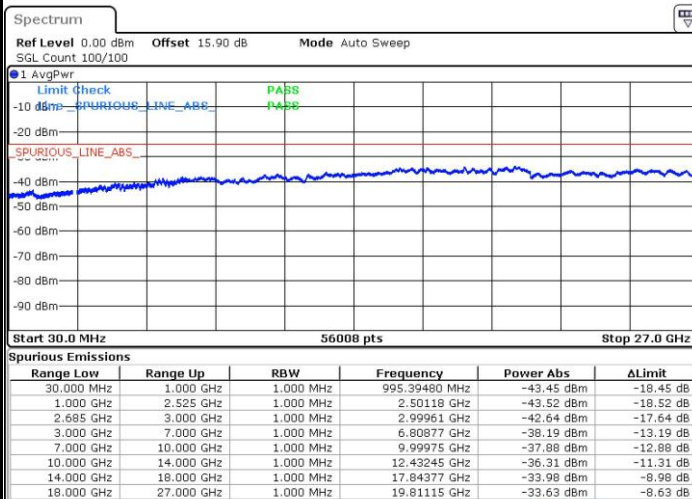
Date: 16 MAY 2019 00:50:36

Middle Channel / 16QAM



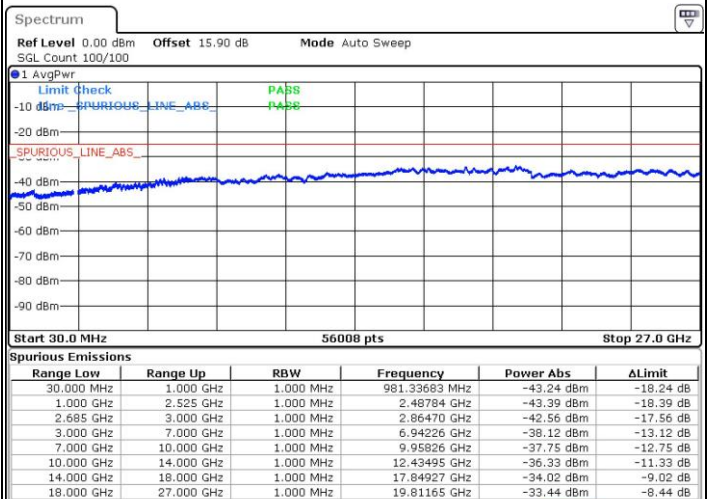
Date: 16 MAY 2019 00:51:24

Highest Channel / QPSK



Date: 16 MAY 2019 00:52:11

Highest Channel / 16QAM

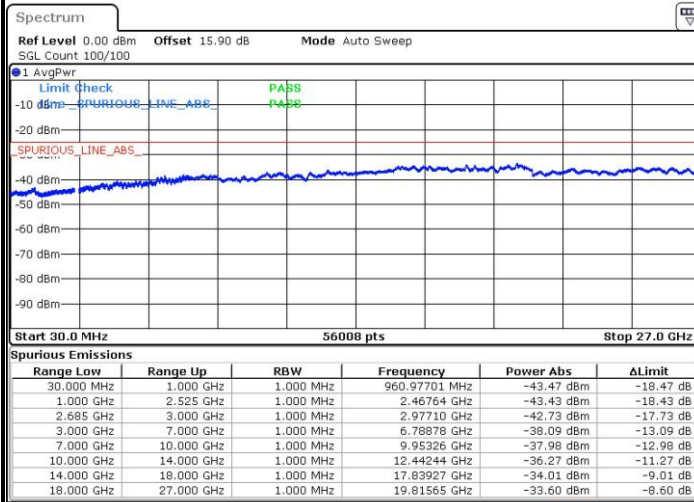


Date: 16 MAY 2019 00:52:59



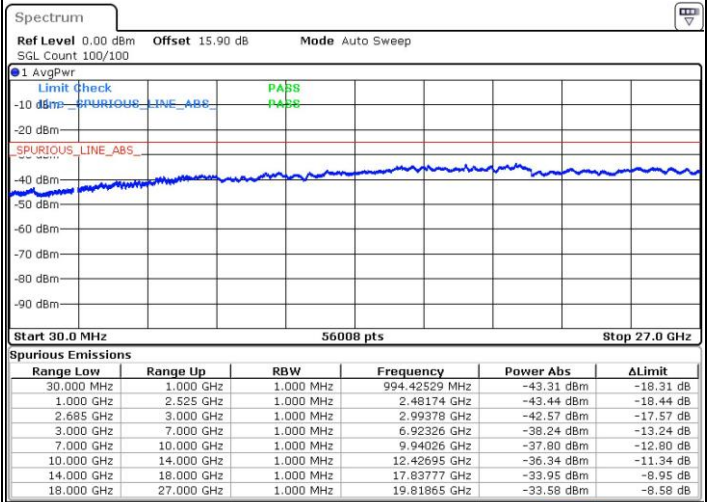
LTE Band 41 / 15MHz

Lowest Channel / QPSK



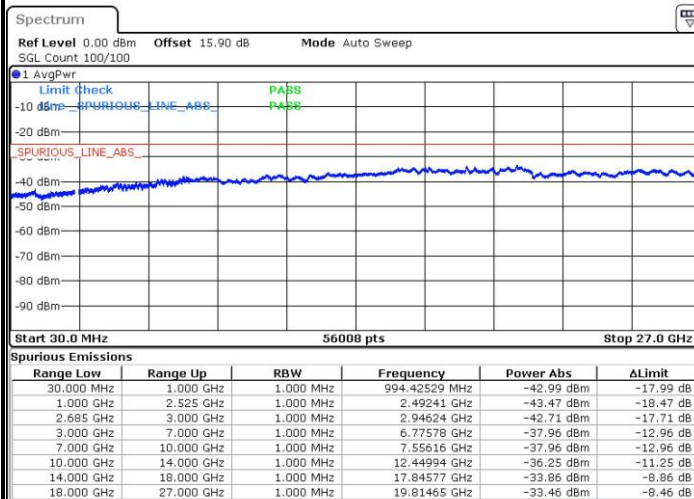
Date: 16 MAY 2019 00:53:47

Lowest Channel / 16QAM



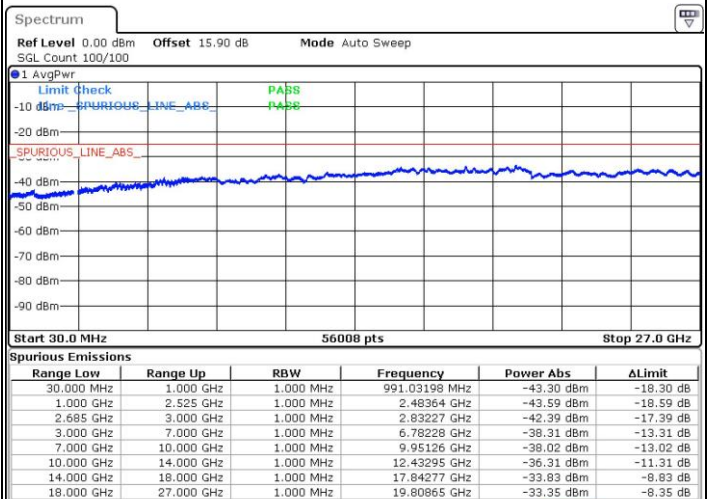
Date: 16 MAY 2019 00:54:35

Middle Channel / QPSK



Date: 16 MAY 2019 00:55:22

Middle Channel / 16QAM

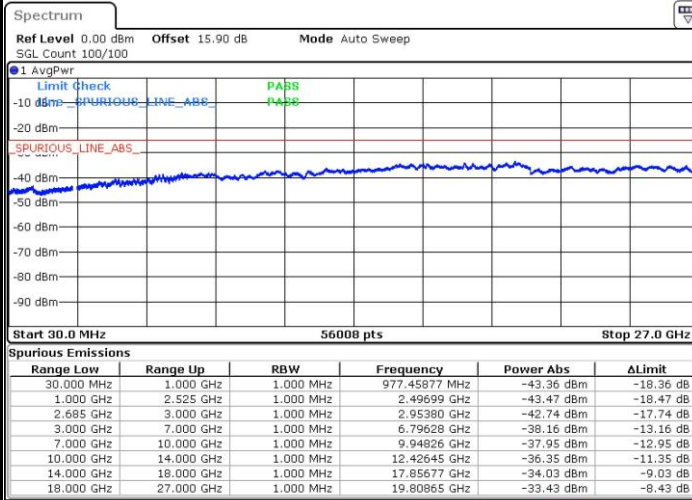


Date: 16 MAY 2019 00:56:09



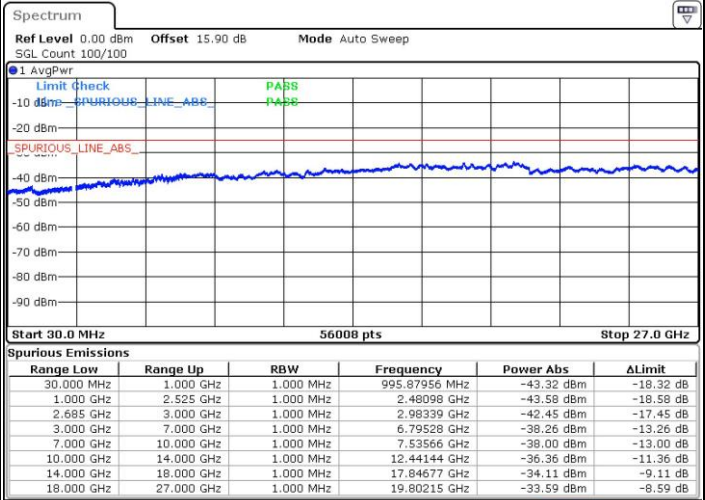
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 16 MAY 2019 00:56:56

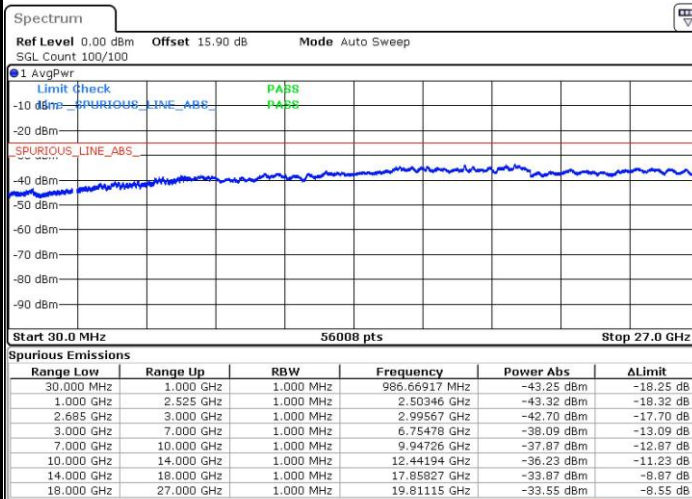
Highest Channel / 16QAM



Date: 16 MAY 2019 00:57:44

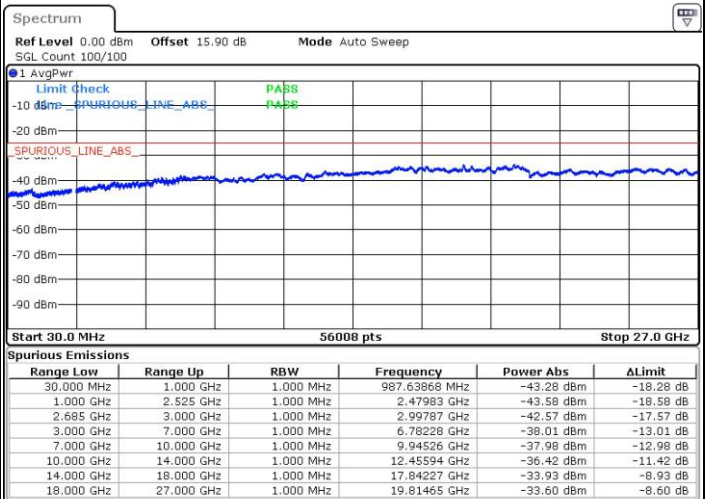
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 16 MAY 2019 00:58:33

Lowest Channel / 16QAM

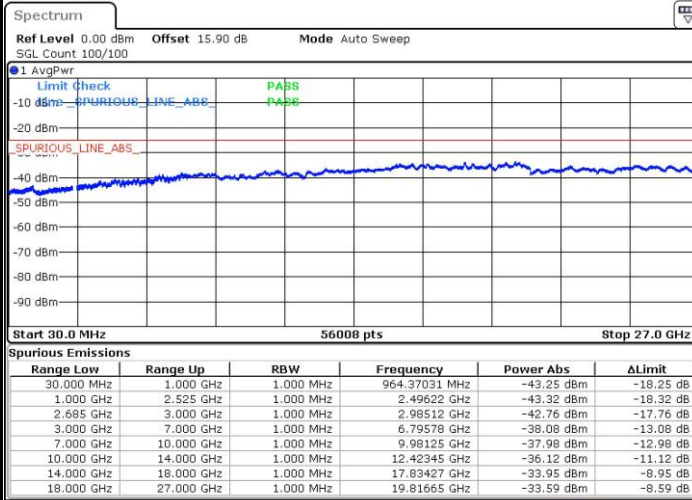


Date: 16 MAY 2019 00:59:20



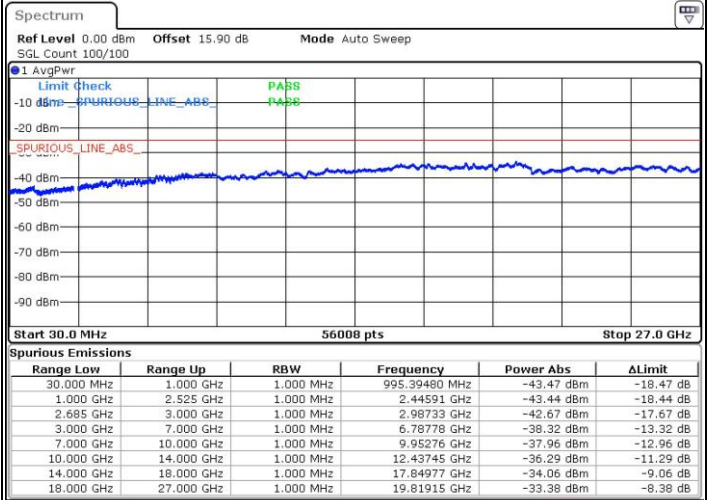
LTE Band 41 / 20MHz

Middle Channel / QPSK



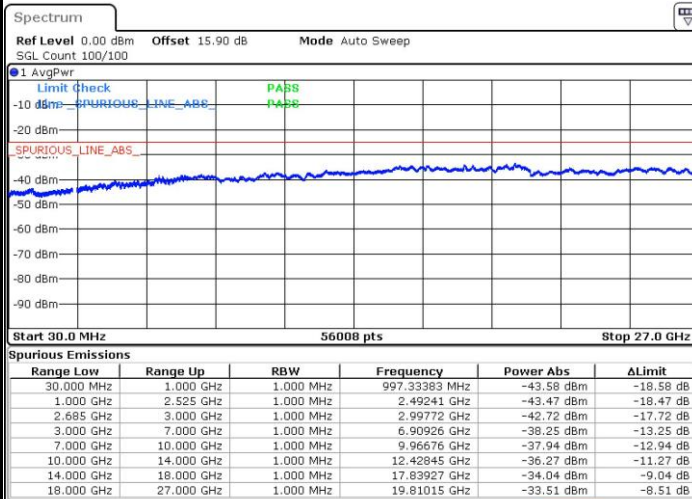
Date: 16 MAY 2019 01:00:08

Middle Channel / 16QAM



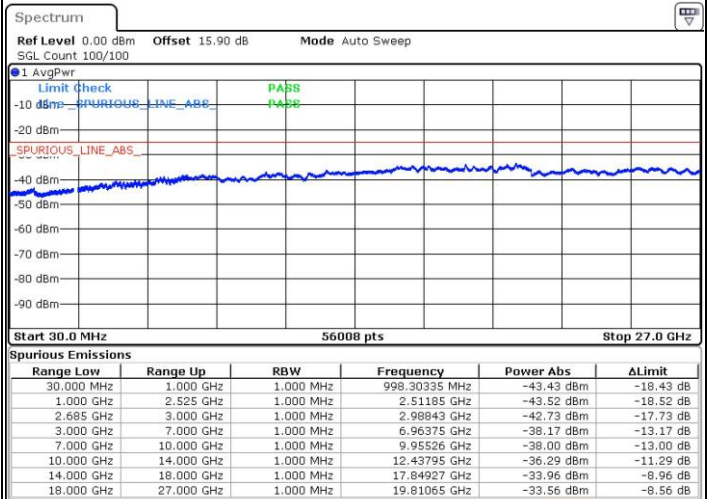
Date: 16 MAY 2019 01:00:55

Highest Channel / QPSK



Date: 16 MAY 2019 01:01:42

Highest Channel / 16QAM



Date: 16 MAY 2019 01:02:30

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	0.0069	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0079	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0079	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 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 = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.52	0.1786	22.62	0.1828
Middle		1	0	22.55	0.1799	22.65	0.1841
Highest		1	0	22.40	0.1738	22.50	0.1778
Lowest	16QAM	1	0	21.88	0.1542	21.98	0.1578
Middle		1	0	21.91	0.1552	22.01	0.1589
Highest		1	0	21.68	0.1472	21.78	0.1507
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.31	0.1702	22.41	0.1742
Middle		1	0	22.34	0.1714	22.44	0.1754
Highest		1	0	22.25	0.1679	22.35	0.1718
Lowest	16QAM	1	8	21.71	0.1483	21.81	0.1517
Middle		1	8	21.68	0.1472	21.78	0.1507
Highest		1	8	21.62	0.1452	21.72	0.1486
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.39	0.1734	22.49	0.1774
Middle		1	12	22.39	0.1734	22.49	0.1774
Highest		1	12	22.32	0.1706	22.42	0.1746
Lowest	16QAM	1	12	21.73	0.1489	21.83	0.1524
Middle		1	12	21.73	0.1489	21.83	0.1524
Highest		1	12	21.64	0.1459	21.74	0.1493
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.59	0.1816	22.69	0.1858
Middle		1	0	22.58	0.1811	22.68	0.1854
Highest		1	0	22.46	0.1762	22.56	0.1803
Lowest	16QAM	1	0	21.95	0.1567	22.05	0.1603
Middle		1	0	21.93	0.1560	22.03	0.1596
Highest		1	0	21.78	0.1507	21.88	0.1542
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.48	0.1770	22.58	0.1811
Middle		1	0	22.47	0.1766	22.57	0.1807
Highest		1	0	22.42	0.1746	22.52	0.1786
Lowest	16QAM	1	0	21.83	0.1524	21.93	0.1560
Middle		1	0	21.80	0.1514	21.90	0.1549
Highest		1	0	21.80	0.1514	21.90	0.1549
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.50	0.1778	22.60	0.1820
Middle		1	99	22.41	0.1742	22.51	0.1782
Highest		1	99	22.29	0.1694	22.39	0.1734
Lowest	16QAM	1	0	21.84	0.1528	21.94	0.1563
Middle		1	0	21.81	0.1517	21.91	0.1552
Highest		1	0	21.77	0.1503	21.87	0.1538
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.13	0.1633	22.43	0.1750
Middle		1	3	22.28	0.1690	22.58	0.1811
Highest		1	3	22.19	0.1656	22.49	0.1774
Lowest	16QAM	1	3	21.44	0.1393	21.74	0.1493
Middle		1	3	21.48	0.1406	21.78	0.1507
Highest		1	3	21.39	0.1377	21.69	0.1476
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.12	0.1629	22.42	0.1746
Middle		1	0	22.32	0.1706	22.62	0.1828
Highest		1	0	22.22	0.1667	22.52	0.1786
Lowest	16QAM	1	8	21.48	0.1406	21.78	0.1507
Middle		1	8	21.60	0.1445	21.90	0.1549
Highest		1	8	21.44	0.1393	21.74	0.1493
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.22	0.1667	22.52	0.1786
Middle		1	12	22.36	0.1722	22.66	0.1845
Highest		1	12	22.23	0.1671	22.53	0.1791
Lowest	16QAM	1	12	21.50	0.1413	21.80	0.1514
Middle		1	12	21.60	0.1445	21.90	0.1549
Highest		1	12	21.49	0.1409	21.79	0.1510
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.36	0.1722	22.66	0.1845
Middle		1	25	22.51	0.1782	22.81	0.1910
Highest		1	25	22.46	0.1762	22.76	0.1888
Lowest	16QAM	1	0	21.70	0.1479	22.00	0.1585
Middle		1	0	21.77	0.1503	22.07	0.1611
Highest		1	0	21.63	0.1455	21.93	0.1560
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.39	0.1734	22.69	0.1858
Middle		1	0	22.29	0.1694	22.59	0.1816
Highest		1	0	22.46	0.1762	22.76	0.1888
Lowest	16QAM	1	0	21.63	0.1455	21.93	0.1560
Middle		1	0	21.62	0.1452	21.92	0.1556
Highest		1	0	21.76	0.1500	22.06	0.1607
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.35	0.1718	22.65	0.1841
Middle		1	49	22.42	0.1746	22.72	0.1871
Highest		1	49	22.38	0.1730	22.68	0.1854
Lowest	16QAM	1	0	21.60	0.1445	21.90	0.1549
Middle		1	0	21.62	0.1452	21.92	0.1556
Highest		1	0	21.73	0.1489	22.03	0.1596
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.66	0.1845	17.91	0.0618
Middle		1	0	22.76	0.1888	18.01	0.0632
Highest		1	0	22.88	0.1941	18.13	0.0650
Lowest	16QAM	1	3	22.08	0.1614	17.33	0.0541
Middle		1	3	22.18	0.1652	17.43	0.0553
Highest		1	3	22.22	0.1667	17.47	0.0558
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.71	0.1866	17.96	0.0625
Middle		1	8	22.74	0.1879	17.99	0.0630
Highest		1	8	22.86	0.1932	18.11	0.0647
Lowest	16QAM	1	0	22.04	0.1600	17.29	0.0536
Middle		1	0	22.02	0.1592	17.27	0.0533
Highest		1	0	22.25	0.1679	17.50	0.0562
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.67	0.1849	17.92	0.0619
Middle		1	0	22.77	0.1892	18.02	0.0634
Highest		1	0	22.92	0.1959	18.17	0.0656
Lowest	16QAM	1	12	22.12	0.1629	17.37	0.0546
Middle		1	12	22.22	0.1667	17.47	0.0558
Highest		1	12	22.28	0.1690	17.53	0.0566
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.83	0.1919	18.08	0.0643
Middle		1	25	22.93	0.1963	18.18	0.0658
Highest		1	25	23.05	0.2018	18.30	0.0676
Lowest	16QAM	1	25	22.19	0.1656	17.44	0.0555
Middle		1	25	22.26	0.1683	17.51	0.0564
Highest		1	25	22.41	0.1742	17.66	0.0583
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.21	0.1663	21.41	0.1384
Middle		1	24	23.02	0.2004	22.22	0.1667
Highest		1	24	22.94	0.1968	22.14	0.1637
Lowest	16QAM	1	12	22.09	0.1618	21.29	0.1346
Middle		1	12	22.24	0.1675	21.44	0.1393
Highest		1	12	21.93	0.1560	21.13	0.1297
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.22	0.1667	21.42	0.1387
Middle		1	49	23.04	0.2014	22.24	0.1675
Highest		1	49	22.99	0.1991	22.19	0.1656
Lowest	16QAM	1	49	21.81	0.1517	21.01	0.1262
Middle		1	49	22.27	0.1687	21.47	0.1403
Highest		1	49	22.24	0.1675	21.44	0.1393
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.33	0.1710	21.53	0.1422
Middle		1	74	23.09	0.2037	22.29	0.1694
Highest		1	74	23.07	0.2028	22.27	0.1687
Lowest	16QAM	1	74	21.84	0.1528	21.04	0.1271
Middle		1	74	22.32	0.1706	21.52	0.1419
Highest		1	74	22.26	0.1683	21.46	0.1400
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.34	0.1714	21.54	0.1426
Middle		1	99	23.21	0.2094	22.41	0.1742
Highest		1	99	23.14	0.2061	22.34	0.1714
Lowest	16QAM	1	49	22.22	0.1667	21.42	0.1387
Middle		1	49	22.34	0.1714	21.54	0.1426
Highest		1	49	22.17	0.1648	21.37	0.1371
Limit	EIRP < 2W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -6.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.73	0.1875	13.88	0.0244
Middle		1	12	22.73	0.1875	13.88	0.0244
Highest		1	12	22.90	0.1950	14.05	0.0254
Lowest	16QAM	1	12	22.00	0.1585	13.15	0.0207
Middle		1	12	22.04	0.1600	13.19	0.0208
Highest		1	12	22.21	0.1663	13.36	0.0217
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -6.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.99	0.1991	14.14	0.0259
Middle		1	49	22.98	0.1986	14.13	0.0259
Highest		1	49	22.96	0.1977	14.11	0.0258
Lowest	16QAM	1	49	22.33	0.1710	13.48	0.0223
Middle		1	49	22.27	0.1687	13.42	0.0220
Highest		1	49	22.25	0.1679	13.40	0.0219
Limit	ERP < 3W			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	12	23.30	0.2138	21.90	0.1549
Middle		1	12	23.02	0.2004	21.62	0.1452
Highest		1	12	22.90	0.1950	21.50	0.1413
Lowest	16QAM	1	0	22.30	0.1698	20.90	0.1230
Middle		1	0	22.08	0.1614	20.68	0.1169
Highest		1	0	21.88	0.1542	20.48	0.1117
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	0	23.31	0.2143	21.91	0.1552
Middle		1	0	23.07	0.2028	21.67	0.1469
Highest		1	0	22.70	0.1862	21.30	0.1349
Lowest	16QAM	1	0	22.49	0.1774	21.09	0.1285
Middle		1	0	22.03	0.1596	20.63	0.1156
Highest		1	0	21.97	0.1574	20.57	0.1140
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	0	23.23	0.2104	21.83	0.1524
Middle		1	0	23.29	0.2133	21.89	0.1545
Highest		1	0	23.21	0.2094	21.81	0.1517
Lowest	16QAM	1	0	22.52	0.1786	21.12	0.1294
Middle		1	0	22.01	0.1589	20.61	0.1151
Highest		1	0	21.62	0.1452	20.22	0.1052
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	0	23.71	0.2350	22.31	0.1702
Middle		1	0	23.45	0.2213	22.05	0.1603
Highest		1	0	23.33	0.2153	21.93	0.1560
Lowest	16QAM	1	0	22.51	0.1782	21.11	0.1291
Middle		1	0	22.14	0.1637	20.74	0.1186
Highest		1	0	21.78	0.1507	20.38	0.1091
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.38	0.2178	22.18	0.1652
Middle		1	12	23.31	0.2143	22.11	0.1626
Highest		1	12	23.16	0.2070	21.96	0.1570
Lowest	16QAM	1	24	22.47	0.1766	21.27	0.1340
Middle		1	24	22.02	0.1592	20.82	0.1208
Highest		1	24	22.37	0.1726	21.17	0.1309
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.42	0.2198	22.22	0.1667
Middle		1	49	22.77	0.1892	21.57	0.1435
Highest		1	49	23.38	0.2178	22.18	0.1652
Lowest	16QAM	1	49	22.48	0.1770	21.28	0.1343
Middle		1	49	22.06	0.1607	20.86	0.1219
Highest		1	49	22.39	0.1734	21.19	0.1315
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.50	0.2239	22.30	0.1698
Middle		1	74	22.68	0.1854	21.48	0.1406
Highest		1	74	23.43	0.2203	22.23	0.1671
Lowest	16QAM	1	74	22.54	0.1795	21.34	0.1361
Middle		1	74	21.95	0.1567	20.75	0.1189
Highest		1	74	22.44	0.1754	21.24	0.1330
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.56	0.2270	22.36	0.1722
Middle		1	0	23.51	0.2244	22.31	0.1702
Highest		1	0	23.31	0.2143	22.11	0.1626
Lowest	16QAM	1	49	22.48	0.1770	21.28	0.1343
Middle		1	49	22.41	0.1742	21.21	0.1321
Highest		1	49	22.21	0.1663	21.01	0.1262
Limit	EIRP < 2W			Result		PASS	

**Radiated Spurious Emission****LTE Band 2**

LTE Band 2 / 10MHz / 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	-30.91	-13	-17.91	-49.01	-42.12	1.41	12.62	H
	5550	-43.19	-13	-30.19	-66.19	-54.75	1.74	13.30	H
	7400	-45.26	-13	-32.26	-72.14	-54.58	1.94	11.26	H
	3700	-37.75	-13	-24.75	-55.99	-48.96	1.41	12.62	V
	5550	-41.85	-13	-28.85	-64.37	-53.41	1.74	13.30	V
	7400	-45.34	-13	-32.34	-72.06	-54.66	1.94	11.26	V
Middle	3749	-32.84	-13	-19.84	-51.14	-44.06	1.42	12.65	H
	5625	-44.09	-13	-31.09	-67.04	-55.66	1.74	13.30	H
	7498	-44.41	-13	-31.41	-70.93	-53.52	1.99	11.10	H
	3749	-38.36	-13	-25.36	-56.86	-49.58	1.42	12.65	V
	5625	-43.33	-13	-30.33	-65.93	-54.90	1.74	13.30	V
	7498	-45.00	-13	-32.00	-71.49	-54.11	1.99	11.10	V
Highest	3798	-31.83	-13	-18.83	-50.32	-42.03	2.02	12.22	H
	5697	-40.97	-13	-27.97	-64.25	-51.34	2.11	12.48	H
	7596	-45.16	-13	-32.16	-71.22	-53.39	2.11	10.35	H
	3798	-36.76	-13	-23.76	-55.52	-46.96	2.02	12.22	V
	5697	-41.73	-13	-28.73	-64.47	-52.10	2.11	12.48	V
	7596	-45.08	-13	-32.08	-71.09	-53.31	2.11	10.35	V

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



LTE Band 4

LTE Band 4 / 10MHz / 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	3427	-38.66	-13	-25.66	-55	-49.64	1.35	12.32	H
	5142	-38.13	-13	-25.13	-59.84	-49.28	1.65	12.80	H
	6860	-46.15	-13	-33.15	-71.68	-56.51	1.74	12.10	H
	3430	-42.59	-13	-29.59	-59.34	-53.57	1.35	12.33	V
	5145	-40.67	-13	-27.67	-62.15	-51.83	1.65	12.80	V
	6860	-45.65	-13	-32.65	-70.77	-56.01	1.74	12.10	V
Middle	3466	-36.75	-13	-23.75	-53.41	-47.81	1.35	12.42	H
	5198	-40.87	-13	-27.87	-62.6	-52.09	1.66	12.88	H
	6934	-45.29	-13	-32.29	-71.18	-55.55	1.73	11.99	H
	3466	-42.93	-13	-29.93	-59.97	-53.99	1.35	12.42	V
	5198	-41.88	-13	-28.88	-63.45	-53.10	1.66	12.88	V
	6934	-46.04	-13	-33.04	-71.47	-56.30	1.73	11.99	V
Highest	3497	-35.99	-13	-22.99	-52.95	-47.12	1.36	12.49	H
	5247	-41.33	-13	-28.33	-63.23	-52.60	1.67	12.95	H
	6994	-45.34	-13	-32.34	-71.57	-55.53	1.72	11.91	H
	3497	-40.93	-13	-27.93	-58.25	-52.06	1.36	12.49	V
	5247	-42.21	-13	-29.21	-63.88	-53.48	1.67	12.95	V
	6994	-45.65	-13	-32.65	-71.38	-55.84	1.72	11.91	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	1656	-53.90	-13	-40.90	-64.03	-59.52	0.92	8.69	H
	2484	-56.66	-13	-43.66	-70.97	-64.04	1.15	10.68	H
	3312	-55.46	-13	-42.46	-71.08	-64.03	1.33	12.05	H
	1656	-57.86	-13	-44.86	-67.39	-63.48	0.92	8.69	V
	2484	-53.41	-13	-40.41	-67.9	-60.79	1.15	10.68	V
	3312	-54.81	-13	-41.81	-70.9	-63.38	1.33	12.05	V
Middle	1672	-50.97	-13	-37.97	-61.15	-56.65	0.93	8.75	H
	2512	-53.95	-13	-40.95	-68.24	-61.36	1.15	10.71	H
	3344	-55.28	-13	-42.28	-70.82	-63.92	1.33	12.13	H
	1672	-56.30	-13	-43.30	-65.82	-61.98	0.93	8.75	V
	2512	-56.38	-13	-43.38	-70.85	-63.79	1.15	10.71	V
	3344	-55.16	-13	-42.16	-71.15	-63.80	1.33	12.13	V
Highest	1688	-50.46	-13	-37.46	-60.67	-56.19	0.93	8.81	H
	2532	-54.52	-13	-41.52	-68.8	-61.95	1.16	10.74	H
	3376	-55.33	-13	-42.33	-70.78	-64.04	1.34	12.20	H
	1688	-55.93	-13	-42.93	-65.48	-61.66	0.93	8.81	V
	2532	-56.28	-13	-43.28	-70.69	-63.71	1.16	10.74	V
	3376	-55.18	-13	-42.18	-71.07	-63.89	1.34	12.20	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	5040	-43.76	-25	-18.76	-65.43	-54.80	1.62	12.66	H
	7560	-42.42	-25	-17.42	-68.63	-51.53	2.00	11.11	H
	10080	-42.23	-25	-17.23	-71.49	-51.07	2.40	11.24	H
	5040	-45.27	-25	-20.27	-66.56	-56.31	1.62	12.66	V
	7557	-43.36	-25	-18.36	-69.53	-52.47	2.00	11.11	V
	10080	-42.08	-25	-17.08	-71.96	-50.92	2.40	11.24	V
Middle	5088	-45.03	-25	-20.03	-66.72	-56.12	1.63	12.72	H
	7632	-43.39	-25	-18.39	-69.45	-52.51	2.01	11.13	H
	10176	-42.01	-25	-17.01	-71.65	-50.77	2.40	11.16	H
	5088	-45.30	-25	-20.30	-66.66	-56.39	1.63	12.72	V
	7632	-44.62	-25	-19.62	-70.59	-53.74	2.01	11.13	V
	10176	-41.68	-25	-16.68	-71.72	-50.44	2.40	11.16	V
Highest	5136	-44.71	-25	-19.71	-66.41	-55.86	1.65	12.79	H
	7704	-43.92	-25	-18.92	-69.97	-53.04	2.02	11.14	H
	10272	-41.69	-25	-16.69	-71.66	-50.38	2.39	11.08	H
	5136	-45.97	-25	-20.97	-67.42	-57.12	1.65	12.79	V
	7704	-45.23	-25	-20.23	-71.11	-54.35	2.02	11.14	V
	10272	-41.53	-25	-16.53	-71.72	-50.22	2.39	11.08	V

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



LTE Band 17

LTE Band 17 / 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	1424	-58.35	-13	-45.35	-69.55	-63.10	0.85	7.75	H
	2144	-55.99	-13	-42.99	-70.72	-62.97	1.07	10.20	H
	2854	-55.56	-13	-42.56	-70.61	-63.30	1.23	11.12	H
	1424	-56.28	-13	-43.28	-66.28	-61.03	0.85	7.75	V
	2144	-57.35	-13	-44.35	-70.93	-64.33	1.07	10.20	V
	2854	-55.62	-13	-42.62	-70.66	-63.36	1.23	11.12	V
Middle	1429	-58.43	-13	-45.43	-69.64	-63.20	0.85	7.77	H
	2144	-55.46	-13	-42.46	-70.18	-62.44	1.07	10.20	H
	2856	-55.56	-13	-42.56	-70.60	-63.30	1.24	11.13	H
	1429	-56.63	-13	-43.63	-66.64	-61.40	0.85	7.77	V
	2144	-56.53	-13	-43.53	-70.10	-63.51	1.07	10.20	V
	2856	-55.82	-13	-42.82	-70.85	-63.56	1.24	11.13	V
Highest	1432	-58.06	-13	-45.06	-69.27	-62.84	0.85	7.79	H
	2146	-55.18	-13	-42.18	-69.89	-62.16	1.07	10.20	H
	2862	-55.65	-13	-42.65	-70.76	-63.40	1.24	11.13	H
	1432	-57.64	-13	-44.64	-67.65	-62.42	0.85	7.79	V
	2146	-56.81	-13	-43.81	-70.38	-63.79	1.07	10.20	V
	2862	-55.91	-13	-42.91	-71.03	-63.66	1.24	11.13	V

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



LTE Band 38

LTE Band 38 / 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	-43.50	-25	-18.50	-65.21	-55.01	0.97	12.48	H
	7713	-45.27	-25	-20.27	-71.31	-55.08	1.19	11.00	H
	10284	-41.80	-25	-16.80	-71.83	-51.97	1.39	11.56	H
	5142	-41.65	-25	-16.65	-63.13	-53.16	0.97	12.48	V
	7713	-45.48	-25	-20.48	-71.33	-55.29	1.19	11.00	V
	10284	-41.47	-25	-16.47	-71.68	-51.64	1.39	11.56	V
Middle	5172	-43.46	-25	-18.46	-65.18	-55.02	0.98	12.54	H
	7758	-44.68	-25	-19.68	-70.72	-54.61	1.19	11.12	H
	10344	-40.92	-25	-15.92	-71.2	-50.97	1.40	11.45	H
	5172	-42.88	-25	-17.88	-64.39	-54.44	0.98	12.54	V
	7758	-44.99	-25	-19.99	-70.77	-54.92	1.19	11.12	V
	10344	-41.23	-25	-16.23	-71.55	-51.28	1.40	11.45	V
Highest	5202	-41.63	-25	-16.63	-63.36	-53.24	0.99	12.60	H
	7803	-45.29	-25	-20.29	-71.32	-55.35	1.19	11.25	H
	10404	-40.78	-25	-15.78	-71.26	-50.71	1.41	11.33	H
	5202	-42.97	-25	-17.97	-64.54	-54.58	0.99	12.60	V
	7803	-44.87	-25	-19.87	-70.6	-54.93	1.19	11.25	V
	10404	-40.76	-25	-15.76	-71.16	-50.69	1.41	11.33	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	5112	-43.11	-25	-18.11	-64.81	-54.23	1.64	12.76	H
	7668	-45.68	-25	-20.68	-71.74	-54.80	2.01	11.13	H
	10224	-41.71	-25	-16.71	-71.53	-50.44	2.40	11.12	H
	5112	-46.74	-25	-21.74	-68.16	-57.86	1.64	12.76	V
	7668	-45.63	-25	-20.63	-71.55	-54.75	2.01	11.13	V
	10224	-41.79	-25	-16.79	-71.9	-50.52	2.40	11.12	V
Middle	5190	-43.14	-25	-18.14	-64.86	-54.35	1.66	5190	H
	7788	-44.65	-25	-19.65	-70.69	-53.78	2.03	7788	H
	10386	-41.16	-25	-16.16	-71.56	-49.76	2.39	10386	H
	5190	-46.45	-25	-21.45	-67.99	-57.66	1.66	5190	V
	7788	-45.43	-25	-20.43	-71.19	-54.56	2.03	7788	V
	10386	-41.13	-25	-16.13	-71.5	-49.73	2.39	10386	V
Highest	5274	-44.89	-25	-19.89	-66.85	-56.19	1.68	12.98	H
	7908	-41.67	-25	-16.67	-68.33	-50.80	2.05	11.18	H
	10548	-40.87	-25	-15.87	-71.88	-49.36	2.41	10.90	H
	5274	-44.92	-25	-19.92	-66.64	-56.22	1.68	12.98	V
	7908	-42.46	-25	-17.46	-68.9	-51.59	2.05	11.18	V
	10548	-40.72	-25	-15.72	-71.45	-49.21	2.41	10.90	V

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