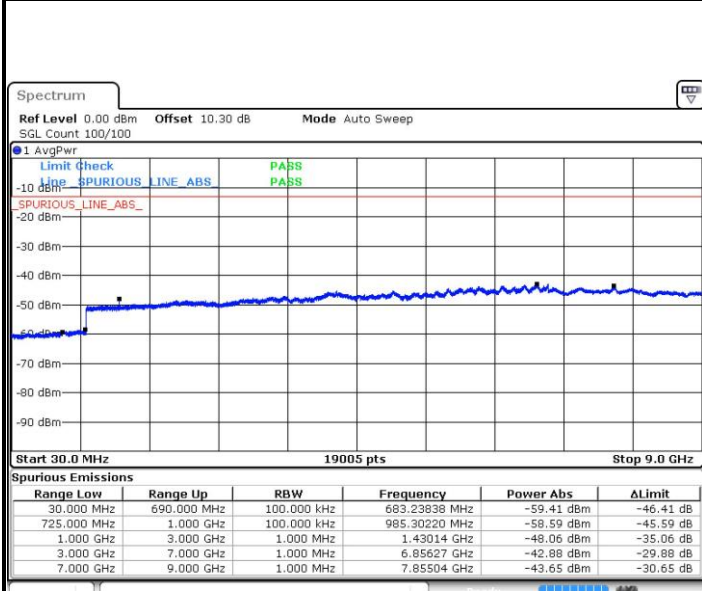




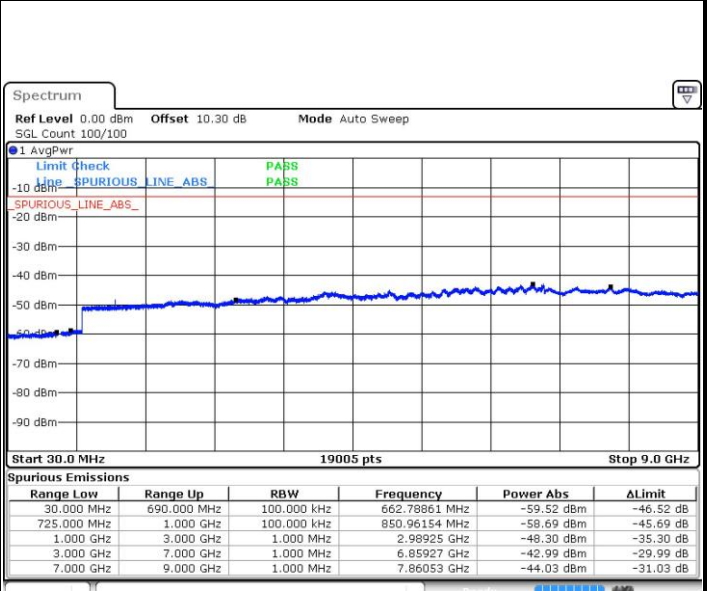
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 17. JAN 2017 18:39:22

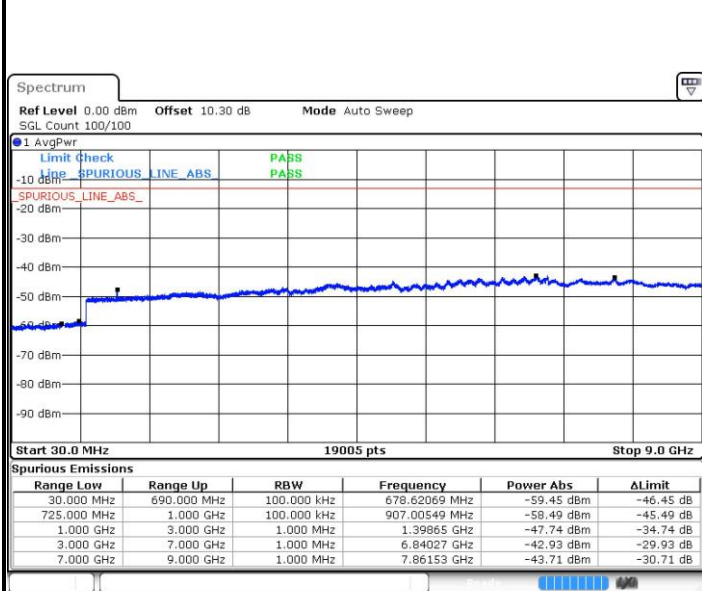
Highest Channel / 16QAM



Date: 17. JAN 2017 18:40:16

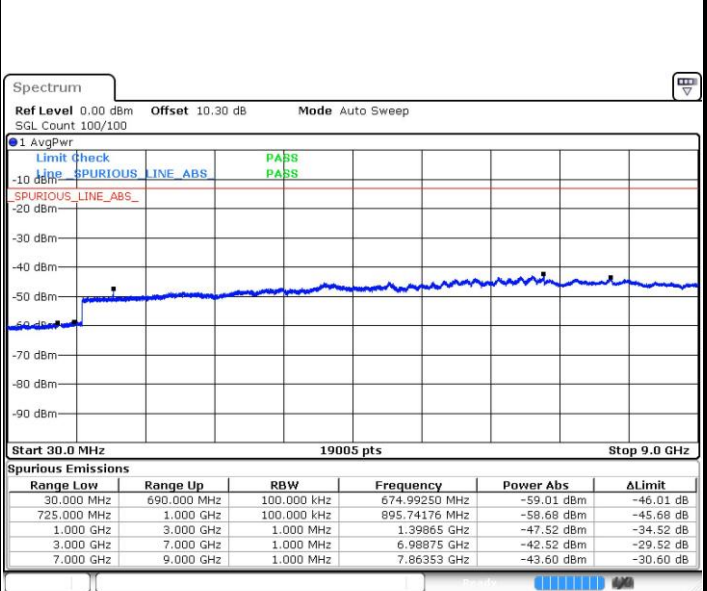
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 17. JAN 2017 17:12:31

Lowest Channel / 16QAM

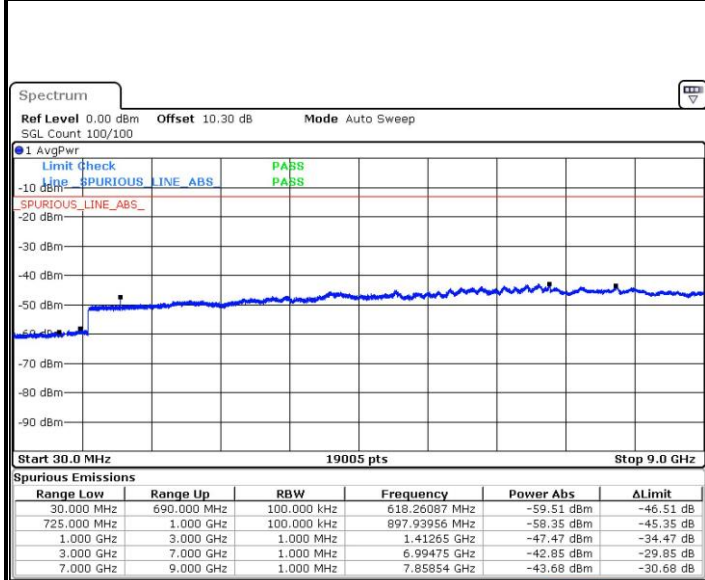


Date: 17. JAN 2017 17:13:25



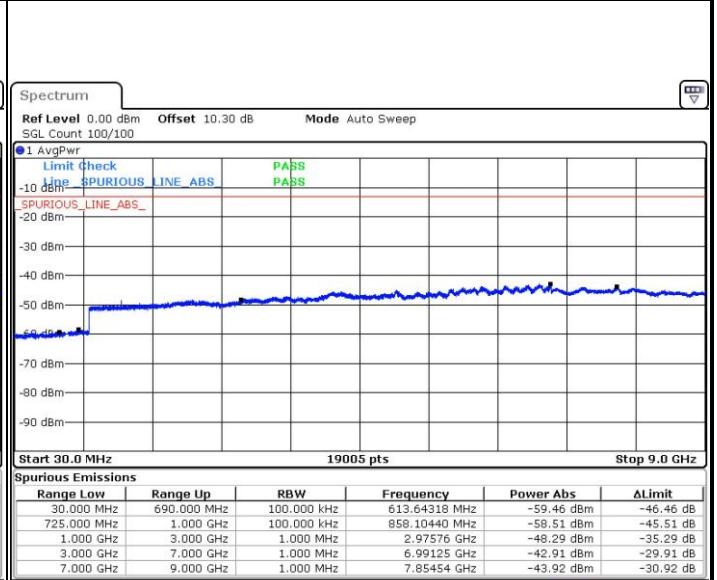
LTE Band 12 / 3MHz

Middle Channel / QPSK



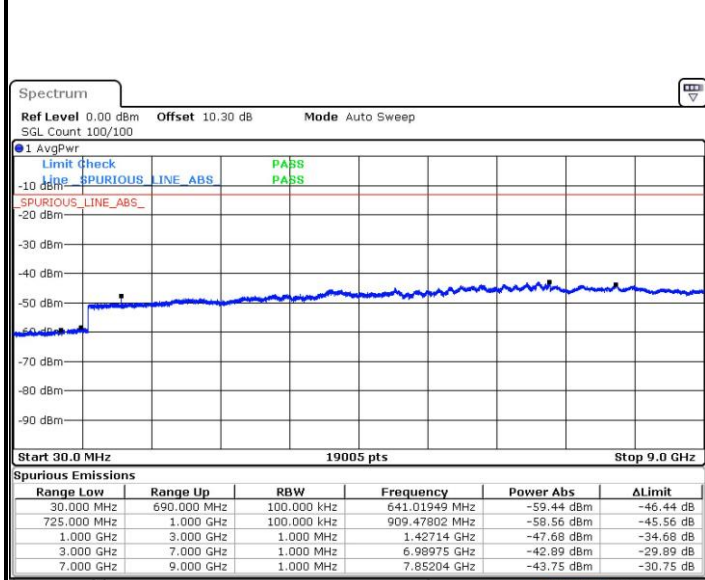
Date: 17. JAN 2017 17:15:56

Middle Channel / 16QAM



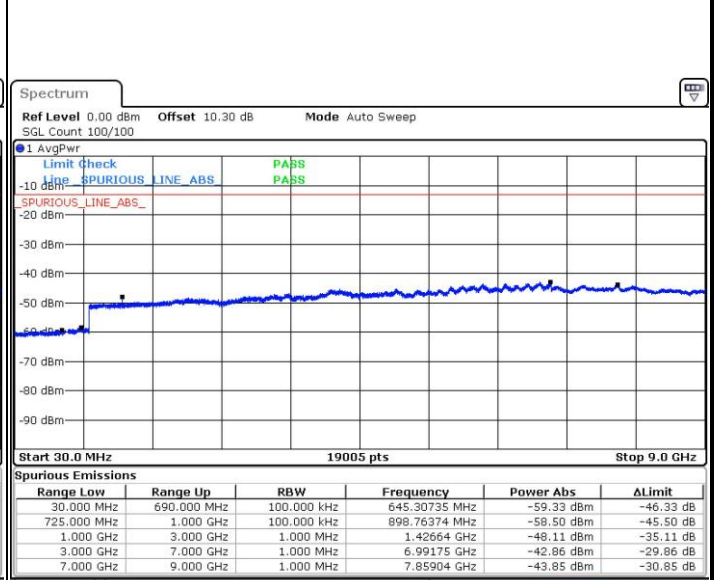
Date: 17. JAN 2017 17:15:01

Highest Channel / QPSK



Date: 17. JAN 2017 17:22:09

Highest Channel / 16QAM

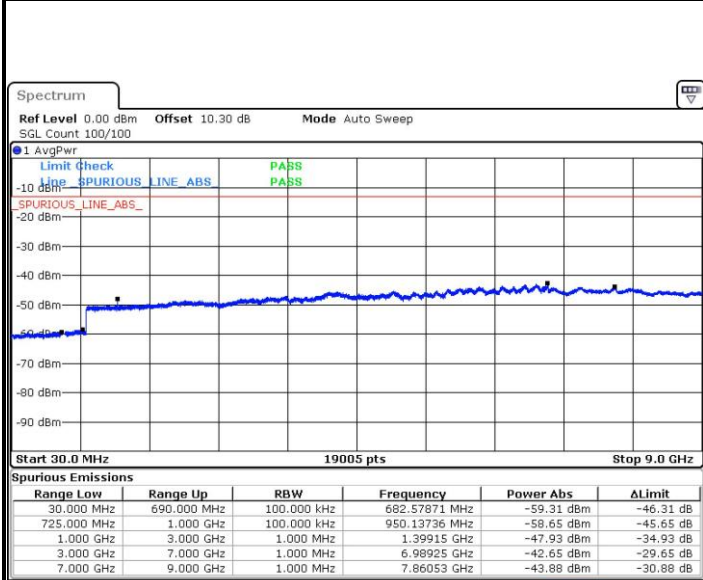


Date: 17. JAN 2017 17:23:04



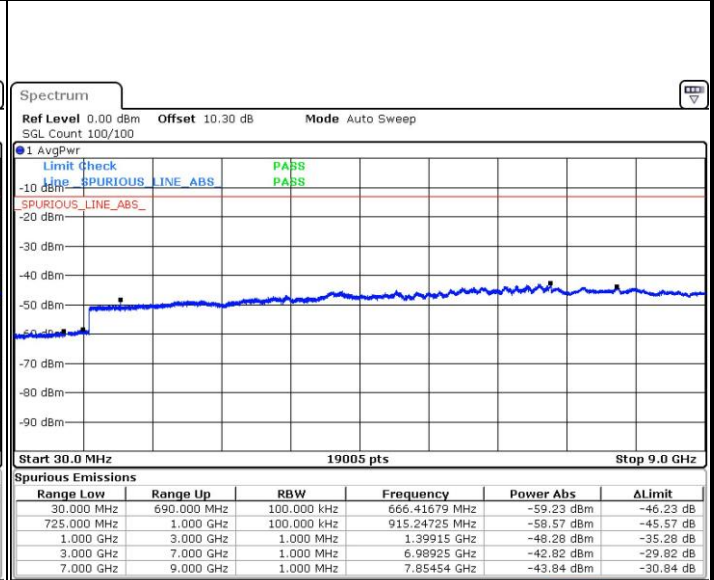
LTE Band 12 / 5MHz

Lowest Channel / QPSK



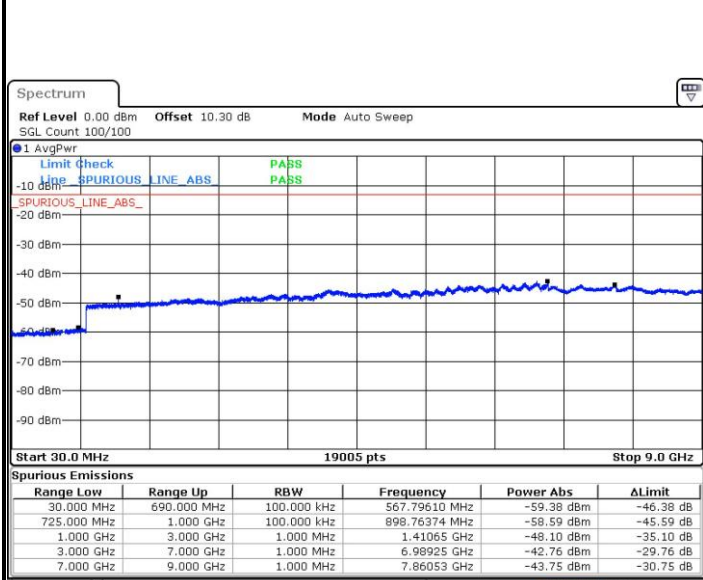
Date: 17. JAN 2017 17:29:17

Lowest Channel / 16QAM



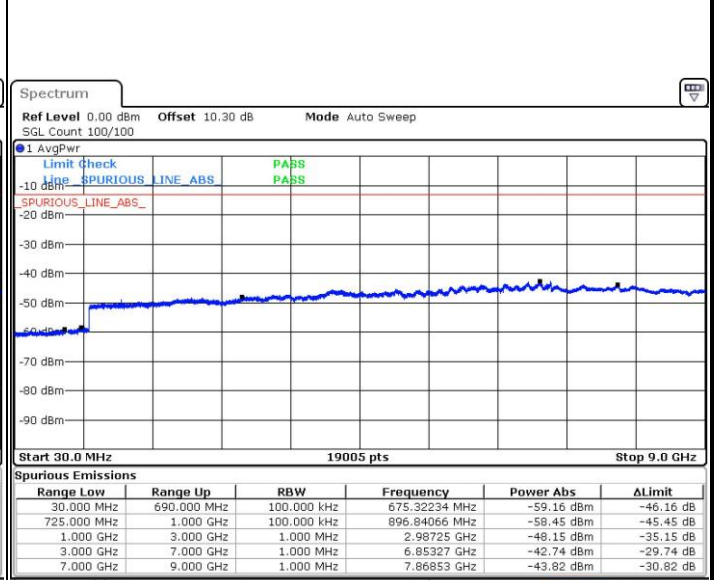
Date: 17. JAN 2017 17:30:12

Middle Channel / QPSK



Date: 17. JAN 2017 17:32:43

Middle Channel / 16QAM

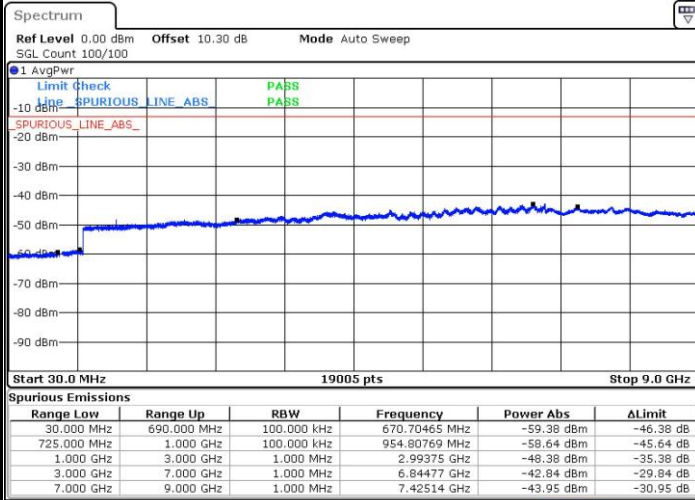


Date: 17. JAN 2017 17:31:48



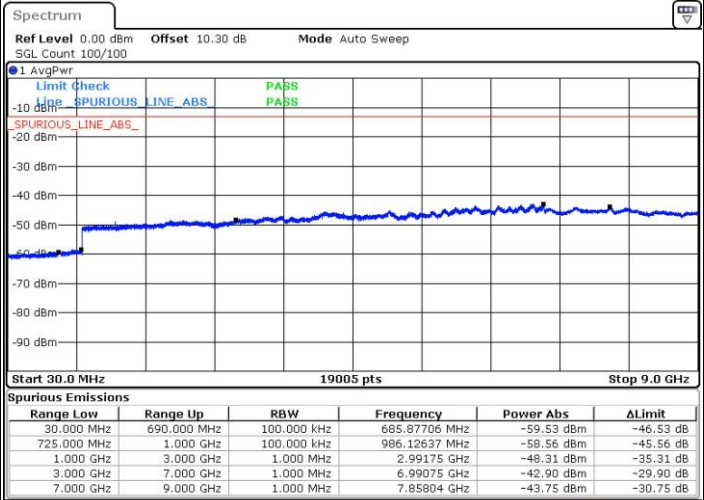
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 17 JAN 2017 17:39:51

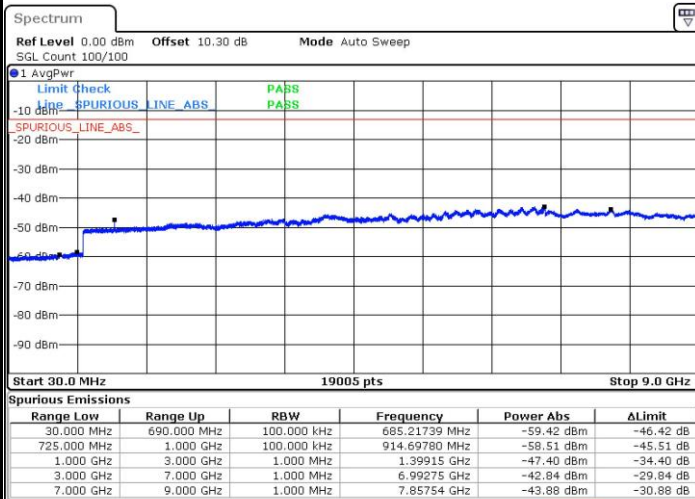
Highest Channel / 16QAM



Date: 17 JAN 2017 17:38:56

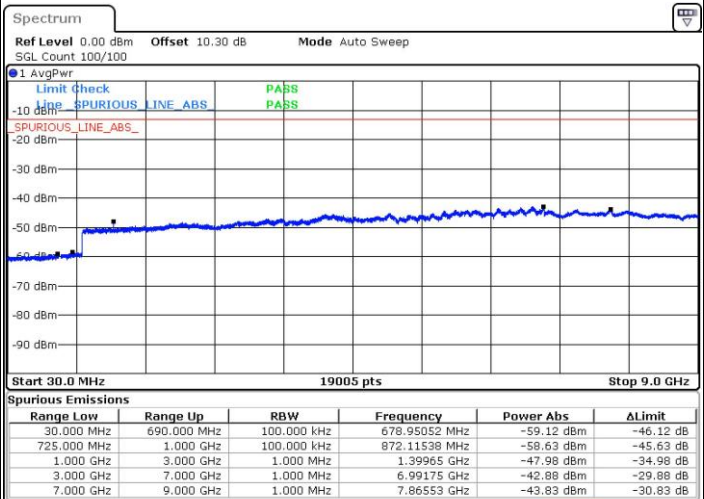
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 17 JAN 2017 18:13:03

Lowest Channel / 16QAM

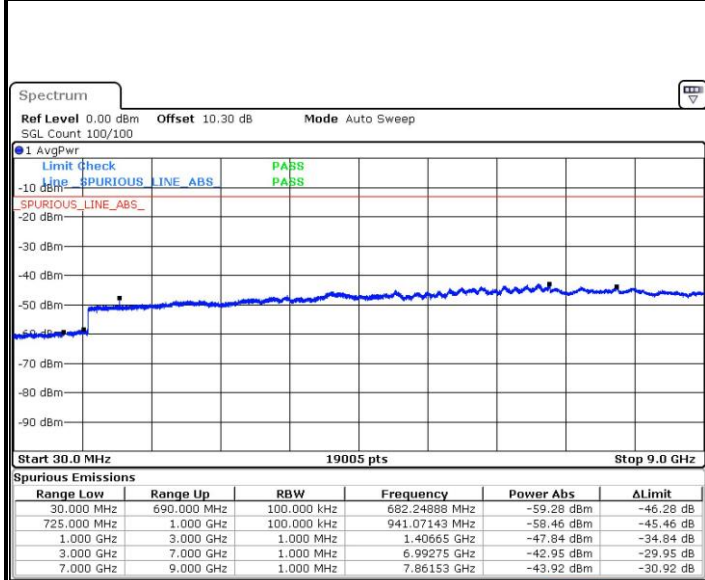


Date: 17 JAN 2017 18:13:58



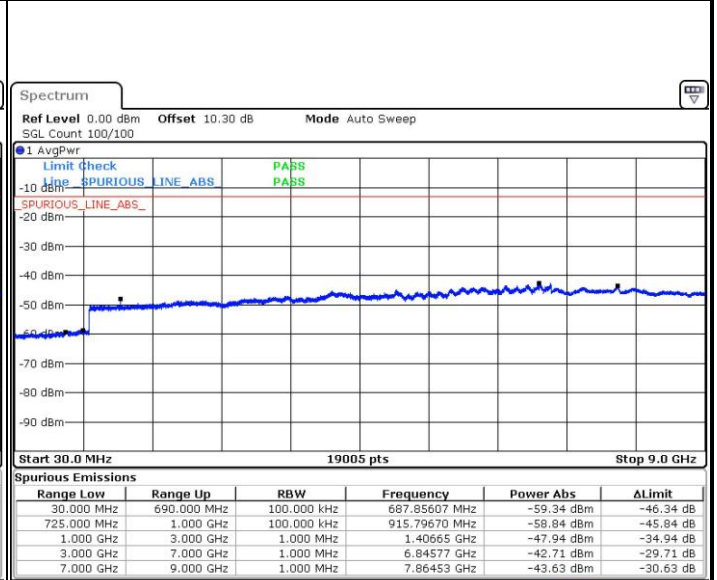
LTE Band 12 / 10MHz

Middle Channel / QPSK



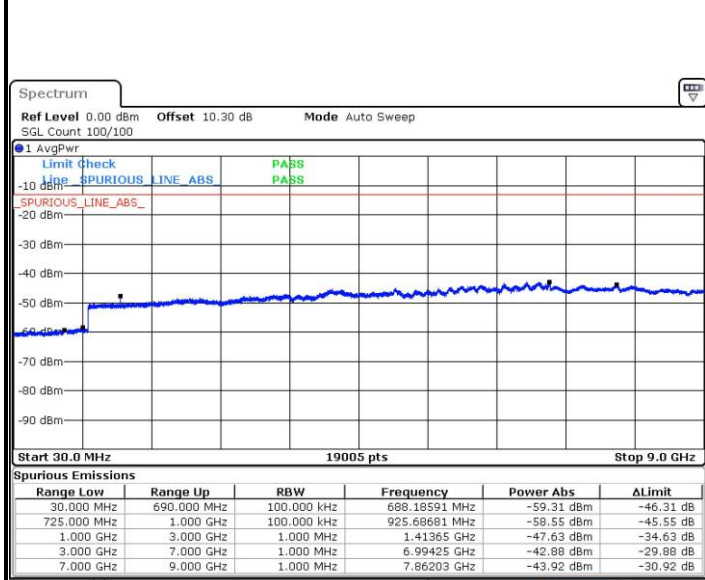
Date: 17. JAN 2017 18:16:28

Middle Channel / 16QAM



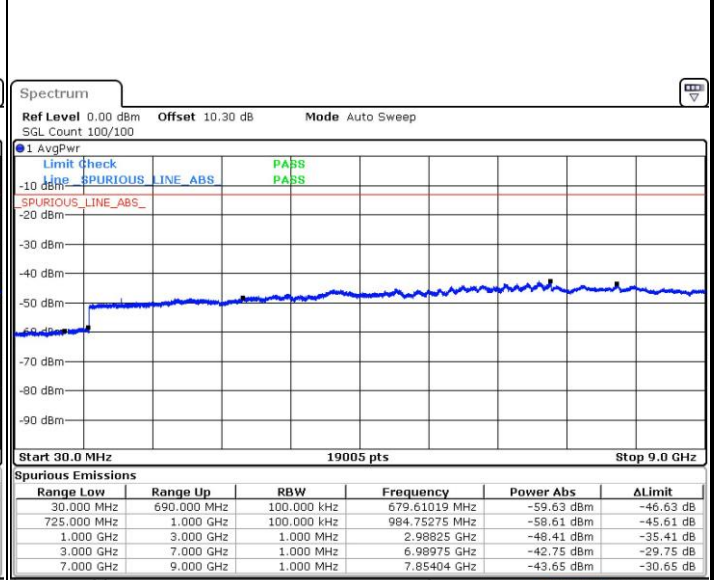
Date: 17. JAN 2017 18:15:33

Highest Channel / QPSK



Date: 17. JAN 2017 18:22:41

Highest Channel / 16QAM



Date: 17. JAN 2017 18:23:35



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0110	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0103	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0107	
-20	Normal Voltage	0.0081	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0100	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0107	

Note:

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



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

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 3.444 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	5	23.13	0.2056	26.57	0.4544
Middle		1	5	23.14	0.2061	26.58	0.4554
Highest		1	5	22.94	0.1968	26.38	0.4349
Lowest	16QAM	1	5	22.43	0.1750	25.87	0.3867
Middle		1	5	22.47	0.1766	25.91	0.3903
Highest		1	5	22.16	0.1644	25.60	0.3634
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 3.444 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.05	0.2018	26.49	0.4461
Middle		1	8	23.08	0.2032	26.52	0.4492
Highest		1	8	22.95	0.1972	26.39	0.4359
Lowest	16QAM	1	8	22.36	0.1722	25.80	0.3805
Middle		1	8	22.41	0.1742	25.85	0.3849
Highest		1	8	22.16	0.1644	25.60	0.3634
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 3.444 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.82	0.1914	26.26	0.4231
Middle		1	12	22.78	0.1897	26.22	0.4192
Highest		1	12	22.67	0.1849	26.11	0.4087
Lowest	16QAM	1	12	22.13	0.1633	25.57	0.3609
Middle		1	12	22.15	0.1641	25.59	0.3626
Highest		1	12	21.97	0.1574	25.41	0.3479
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 3.444 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.95	0.1972	26.39	0.4359
Middle		1	0	22.96	0.1977	26.40	0.4369
Highest		1	0	22.95	0.1972	26.39	0.4359
Lowest	16QAM	1	0	22.27	0.1687	25.71	0.3727
Middle		1	0	22.29	0.1694	25.73	0.3745
Highest		1	0	22.20	0.1660	25.64	0.3668
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 3.444 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.90	0.1950	26.34	0.4309
Middle		1	0	22.71	0.1866	26.15	0.4125
Highest		1	0	22.84	0.1923	26.28	0.4250
Lowest	16QAM	1	0	22.19	0.1656	25.63	0.3659
Middle		1	0	22.02	0.1592	25.46	0.3519
Highest		1	0	22.10	0.1622	25.54	0.3584
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 3.444 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.71	0.1866	26.15	0.4125
Middle		1	49	22.69	0.1858	26.13	0.4106
Highest		1	49	22.59	0.1816	26.03	0.4012
Lowest	16QAM	1	49	21.97	0.1574	25.41	0.3479
Middle		1	49	22.00	0.1585	25.44	0.3503
Highest		1	49	21.87	0.1538	25.31	0.3399
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 4.248 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.97	0.1982	27.22	0.5270
Middle		1	0	22.92	0.1959	27.17	0.5210
Highest		1	0	23.14	0.2061	27.39	0.5480
Lowest	16QAM	1	5	22.31	0.1702	26.56	0.4527
Middle		1	5	22.28	0.1690	26.53	0.4496
Highest		1	5	22.47	0.1766	26.72	0.4697
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 4.248 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.91	0.1954	27.16	0.5198
Middle		1	8	22.88	0.1941	27.13	0.5162
Highest		1	8	23.13	0.2056	27.38	0.5468
Lowest	16QAM	1	8	22.25	0.1679	26.50	0.4465
Middle		1	8	22.25	0.1679	26.50	0.4465
Highest		1	8	22.44	0.1754	26.69	0.4664
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 4.248 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.67	0.1849	26.92	0.4918
Middle		1	12	22.63	0.1832	26.88	0.4873
Highest		1	12	22.80	0.1905	27.05	0.5068
Lowest	16QAM	1	12	22.01	0.1589	26.26	0.4225
Middle		1	12	21.96	0.1570	26.21	0.4176
Highest		1	12	22.19	0.1656	26.44	0.4404
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 4.248 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.80	0.1905	27.05	0.5068
Middle		1	0	22.72	0.1871	26.97	0.4975
Highest		1	0	22.94	0.1968	27.19	0.5234
Lowest	16QAM	1	0	22.15	0.1641	26.40	0.4363
Middle		1	0	22.07	0.1611	26.32	0.4284
Highest		1	0	22.30	0.1698	26.55	0.4516
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 4.248 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.56	0.1803	26.81	0.4795
Middle		1	0	22.46	0.1762	26.71	0.4686
Highest		1	0	22.85	0.1928	27.10	0.5126
Lowest	16QAM	1	0	21.92	0.1556	26.17	0.4138
Middle		1	0	21.81	0.1517	26.06	0.4035
Highest		1	0	22.22	0.1667	26.47	0.4434
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 4.248 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.47	0.1766	26.72	0.4697
Middle		1	49	22.54	0.1795	26.79	0.4773
Highest		1	49	22.71	0.1866	26.96	0.4964
Lowest	16QAM	1	49	21.85	0.1531	26.10	0.4072
Middle		1	49	21.88	0.1542	26.13	0.4100
Highest		1	49	22.05	0.1603	26.30	0.4264
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 1.912 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.87	0.1936	22.63	0.1833
Middle		1	0	22.64	0.1837	22.40	0.1739
Highest		1	0	22.56	0.1803	22.32	0.1707
Lowest	16QAM	1	5	22.19	0.1656	21.95	0.1567
Middle		1	5	21.99	0.1581	21.75	0.1497
Highest		1	5	21.85	0.1531	21.61	0.1449
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 1.912 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.75	0.1884	22.51	0.1783
Middle		1	8	22.65	0.1841	22.41	0.1743
Highest		1	8	22.59	0.1816	22.35	0.1719
Lowest	16QAM	1	8	22.13	0.1633	21.89	0.1546
Middle		1	8	21.92	0.1556	21.68	0.1473
Highest		1	8	21.84	0.1528	21.60	0.1446
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 1.912 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.52	0.1786	22.28	0.1691
Middle		1	12	22.43	0.1750	22.19	0.1657
Highest		1	12	22.38	0.1730	22.14	0.1638
Lowest	16QAM	1	0	21.91	0.1552	21.67	0.1470
Middle		1	0	21.61	0.1449	21.37	0.1372
Highest		1	0	21.75	0.1496	21.51	0.1416
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 1.912 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.67	0.1849	22.43	0.1751
Middle		1	0	22.58	0.1811	22.34	0.1715
Highest		1	0	22.66	0.1845	22.42	0.1747
Lowest	16QAM	1	0	22.08	0.1614	21.84	0.1528
Middle		1	0	21.87	0.1538	21.63	0.1456
Highest		1	0	22.00	0.1585	21.76	0.1500
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 1.251 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	22.70	0.1862	23.95	0.2484
Middle		1.00	12.00	22.73	0.1875	23.98	0.2501
Highest		1.00	12.00	22.90	0.1950	24.15	0.2601
Lowest	16QAM	1.00	12.00	21.91	0.1552	23.16	0.2071
Middle		1.00	12.00	21.92	0.1556	23.17	0.2075
Highest		1.00	12.00	22.11	0.1626	23.36	0.2168
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 1.251 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.73	0.1875	23.98	0.2501
Middle		1.00	0.00	22.75	0.1884	24.00	0.2512
Highest		1.00	0.00	22.81	0.1910	24.06	0.2547
Lowest	16QAM	1.00	25	21.85	0.1531	23.10	0.2042
Middle		1.00	25	21.88	0.1542	23.13	0.2056
Highest		1.00	25	22.04	0.1600	23.29	0.2134
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 1.251 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	37.00	22.52	0.1786	23.77	0.2383
Middle		1.00	37.00	22.57	0.1807	23.82	0.2410
Highest		1.00	37.00	22.67	0.1849	23.92	0.2467
Lowest	16QAM	1.00	37.00	21.72	0.1486	22.97	0.1982
Middle		1.00	37.00	21.78	0.1507	23.03	0.2010
Highest		1.00	37.00	21.88	0.1542	23.13	0.2056
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 1.251 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49.00	22.59	0.1816	23.84	0.2422
Middle		1.00	49.00	22.67	0.1849	23.92	0.2467
Highest		1.00	49.00	22.68	0.1854	23.93	0.2472
Lowest	16QAM	1.00	49.00	21.76	0.1500	23.01	0.2000
Middle		1.00	49.00	21.81	0.1517	23.06	0.2023
Highest		1.00	49.00	21.86	0.1535	23.11	0.2047
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 2.556 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.97	0.1982	23.38	0.2176
Middle		1	0	22.83	0.1919	23.24	0.2107
Highest		1	0	22.77	0.1892	23.18	0.2078
Lowest	16QAM	1	5	22.28	0.1690	22.69	0.1856
Middle		1	5	22.17	0.1648	22.58	0.1810
Highest		1	5	22.02	0.1592	22.43	0.1748
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 2.556 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.96	0.1977	23.37	0.2171
Middle		1	8	22.84	0.1923	23.25	0.2112
Highest		1	8	22.79	0.1901	23.20	0.2087
Lowest	16QAM	1	0	22.21	0.1663	22.62	0.1826
Middle		1	0	21.96	0.1570	22.37	0.1724
Highest		1	0	22.05	0.1603	22.46	0.1760
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 2.556 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.68	0.1854	23.09	0.2035
Middle		1	12	22.61	0.1824	23.02	0.2003
Highest		1	12	22.63	0.1832	23.04	0.2012
Lowest	16QAM	1	12	21.95	0.1567	22.36	0.1720
Middle		1	12	21.85	0.1531	22.26	0.1681
Highest		1	12	21.86	0.1535	22.27	0.1685
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 2.556 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.78	0.1897	23.19	0.2083
Middle		1	0	22.67	0.1849	23.08	0.2030
Highest		1	0	22.66	0.1845	23.07	0.2026
Lowest	16QAM	1	0	22.13	0.1633	22.54	0.1793
Middle		1	0	21.95	0.1567	22.36	0.1720
Highest		1	0	21.89	0.1545	22.30	0.1697
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

LTE Band 2

LTE Band 2 / 1.4MHz / 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)
Middle	3756	-57.31	-13	-44.31	-78.19	-63.93	1.68	8.31	H
	5639	-53.19	-13	-40.19	-80.4	-60.24	2.71	9.76	H
	7515	-47.29	-13	-34.29	-81	-56.67	2.42	11.81	H
	13154	-36.85	-13	-23.85	-81.38	-47.1	2.97	13.22	H
									H
									H
									H
	3756	-57.17	-13	-44.17	-78.05	-63.79	1.68	8.31	V
	5639	-52.84	-13	-39.84	-80.05	-59.89	2.71	9.76	V
	7515	-46.99	-13	-33.99	-80.7	-56.37	2.42	11.81	V
	13154	-35.31	-13	-22.31	-79.84	-45.56	2.97	13.22	V
									V
									V
									V

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



LTE Band 2 / 3MHz / 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)
Middle	3756	-57.29	-13	-44.29	-78.17	-63.91	1.68	8.31	H
	5639	-53.18	-13	-40.18	-80.39	-60.23	2.71	9.76	H
	7515	-47.13	-13	-34.13	-80.84	-56.51	2.42	11.81	H
									H
									H
									H
									H
	3756	-56.99	-13	-43.99	-77.87	-63.61	1.68	8.31	V
	5639	-52.14	-13	-39.14	-79.35	-59.19	2.71	9.76	V
	7515	-46.91	-13	-33.91	-80.62	-56.29	2.42	11.81	V
									V
									V
									V
									V

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



LTE Band 2 / 5MHz / 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	-55.74	-13	-42.74	-76.61	-62.31	1.67	8.24	H
	5555	-53.99	-13	-40.99	-80.48	-61.06	2.66	9.72	H
	7400	-46.29	-13	-33.29	-80.35	-55.43	2.46	11.60	H
									H
									H
									H
									H
	3700	-56.26	-13	-43.26	-77.01	-62.83	1.67	8.24	V
	5555	-53.87	-13	-40.87	-80.06	-60.94	2.66	9.72	V
									V
									V
									V
									V
									V

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



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)
Middle	3749	-57.91	-13	-44.91	-78.79	-64.53	1.68	8.30	H
	5625	-53.59	-13	-40.59	-80.75	-60.64	2.70	9.75	H
	7501	-47.22	-13	-34.22	-80.91	-56.59	2.43	11.80	H
	13125.5	-36.93	-13	-23.93	-81.39	-47.14	2.96	13.18	H
									H
									H
									H
	3749	-56.03	-13	-43.03	-76.91	-62.65	1.68	8.30	V
	5625	-52.26	-13	-39.26	-79.42	-59.31	2.70	9.75	V
	7501	-47.03	-13	-34.03	-80.72	-56.4	2.43	11.80	V
	13125.5	-35.69	-13	-22.69	-80.15	-45.9	2.96	13.18	V
									V
									V
									V

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



LTE Band 2 / 15MHz / 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	-57.90	-13	-44.90	-78.72	-64.47	1.67	8.24	H
	5555	-53.38	-13	-40.38	-80.35	-60.45	2.66	9.72	H
	7403	-47.33	-13	-34.33	-80.87	-56.48	2.46	11.61	H
	12954.5	-37.92	-13	-24.92	-81.82	-47.95	2.92	12.94	H
									H
									H
									H
	3700	-55.26	-13	-42.26	-76.08	-61.83	1.67	8.24	V
	5555	-52.32	-13	-39.32	-79.29	-59.39	2.66	9.72	V
	7403	-47.34	-13	-34.34	-80.88	-56.49	2.46	11.61	V
	12954.5	-36.76	-13	-23.76	-80.66	-46.79	2.92	12.94	V
									V
									V
									V

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



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	-56.81	-13	-43.81	-77.39	-63.38	1.67	8.24	H
	5555	-52.04	-13	-39.04	-79.9	-59.11	2.66	9.72	H
	7400	-46.95	-13	-33.95	-80.15	-56.09	2.46	11.60	H
									H
									H
									H
									H
	3700	-56.72	-13	-43.72	-77.26	-63.29	1.67	8.24	V
	5555	-51.34	-13	-38.34	-78.61	-58.41	2.66	9.72	V
	7400	-46.48	-13	-33.48	-80.22	-55.62	2.46	11.60	V
									V
									V
									V
									V

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



LTE Band 4

LTE Band 4 / 1.4MHz / 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)
Highest	3511	-50.42	-13	-37.42	-70.97	-56.83	1.61	8.01	H
	5261	-54.43	-13	-41.43	-80.64	-61.64	2.49	9.70	H
	7018	-47.28	-13	-34.28	-80.08	-55.53	2.58	10.84	H
									H
									H
									H
									H
	3511	-55.16	-13	-42.16	-75.71	-61.57	1.61	8.01	V
	5261	-54.17	-13	-41.17	-80.38	-61.38	2.49	9.70	V
	7018	-47.66	-13	-34.66	-79.46	-55.91	2.58	10.84	V
									V
									V
									V
									V

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



LTE Band 4 / 3MHz / 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)
Highest	3504	-52.06	-13	-39.06	-72.59	-58.46	1.61	8.00	H
	5254	-54.47	-13	-41.47	-80.64	-61.69	2.48	9.70	H
	7011	-47.45	-13	-34.45	-80.27	-55.69	2.59	10.82	H
									H
									H
									H
									H
	3504	-56.35	-13	-43.35	-76.88	-62.75	1.61	8.00	V
	5254	-54.58	-13	-41.58	-80.75	-61.8	2.48	9.70	V
	7011	-46.97	-13	-33.97	-79.79	-55.21	2.59	10.82	V
									V
									V
									V
									V

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



LTE Band 4 / 5MHz / 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)
Highest	3504	-52.53	-13	-39.53	-73.06	-58.93	1.61	8.00	H
	5254	-54.37	-13	-41.37	-80.54	-61.59	2.48	9.70	H
	7004	-47.51	-13	-34.51	-80.29	-55.73	2.59	10.81	H
									H
									H
									H
									H
	3504	-56.22	-13	-43.22	-76.75	-62.62	1.61	8.00	V
	5254	-54.16	-13	-41.16	-80.33	-61.38	2.48	9.70	V
	7004	-47.37	-13	-34.37	-80.15	-55.59	2.59	10.81	V
									V
									V
									V
									V

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



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)
Highest	3490	-54.57	-13	-41.57	-75.06	-60.92	1.60	7.96	H
	5233	-54.34	-13	-41.34	-80.48	-61.57	2.47	9.70	H
	6983	-47.84	-13	-34.84	-80.58	-56.02	2.60	10.78	H
									H
									H
									H
									H
	3490	-58.09	-13	-45.09	-78.58	-64.44	1.60	7.96	V
	5233	-54.55	-13	-41.55	-80.69	-61.78	2.47	9.70	V
	6983	-45.42	-13	-32.42	-80.16	-53.6	2.60	10.78	V
									V
									V
									V
									V

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



LTE Band 4 / 15MHz / 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)
Highest	3483	-55.98	-13	-42.98	-76.46	-62.31	1.60	7.93	H
	5219	-54.46	-13	-41.46	-80.55	-61.7	2.46	9.70	H
	6962	-47.64	-13	-34.64	-80.32	-55.79	2.60	10.75	H
									H
									H
									H
									H
	3483	-57.95	-13	-44.95	-78.43	-64.28	1.60	7.93	V
	5219	-54.50	-13	-41.50	-80.59	-61.74	2.46	9.70	V
	6962	-46.85	-13	-33.85	-79.53	-55	2.60	10.75	V
									V
									V
									V
									V

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



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)
Highest	3476	-56.39	-13	-43.39	-76.87	-62.69	1.60	7.89	H
	5212	-54.36	-13	-41.36	-80.45	-61.6	2.46	9.70	H
	6948	-48.27	-13	-35.27	-80.89	-56.4	2.61	10.74	H
									H
									H
									H
									H
	3476	-57.71	-13	-44.71	-78.19	-64.01	1.60	7.89	V
	5212	-54.52	-13	-41.52	-80.61	-61.76	2.46	9.70	V
	6948	-47.60	-13	-34.60	-80.22	-55.73	2.61	10.74	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 / 1.4MHz / 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	1648	-63.17	-13	-50.17	-76.67	-64.93	0.98	4.89	H	
	2472	-61.56	-13	-48.56	-78.19	-63.44	1.28	5.32	H	
	3296	-59.28	-13	-46.28	-79.26	-62.69	1.54	7.10	H	
										H
										H
										H
										H
	1648	-62.75	-13	-49.75	-76.25	-64.51	0.98	4.89	V	
	2472	-61.67	-13	-48.67	-78.3	-63.55	1.28	5.32	V	
	3296	-59.50	-13	-46.50	-79.48	-62.91	1.54	7.10	V	
										V
										V
										V
										V

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



LTE Band 5 / 3MHz / 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	-62.96	-13	-49.96	-76.46	-64.72	0.98	4.89	H
	2472	-61.47	-13	-48.47	-78.1	-63.35	1.28	5.32	H
	3296	-59.20	-13	-46.20	-79.18	-62.61	1.54	7.10	H
									H
									H
									H
									H
	1648	-62.94	-13	-49.94	-76.44	-64.7	0.98	4.89	V
	2472	-61.78	-13	-48.78	-78.41	-63.66	1.28	5.32	V
	3296	-59.65	-13	-46.65	-79.63	-63.06	1.54	7.10	V
									V
									V
									V
									V

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



LTE Band 5 / 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	1648	-62.94	-13	-49.94	-76.44	-64.7	0.98	4.89	H
	2472	-61.83	-13	-48.83	-78.46	-63.71	1.28	5.32	H
	3296	-59.28	-13	-46.28	-79.26	-62.69	1.54	7.10	H
									H
									H
									H
									H
	1648	-62.84	-13	-49.84	-76.34	-64.6	0.98	4.89	V
	2472	-61.78	-13	-48.78	-78.41	-63.66	1.28	5.32	V
	3296	-58.95	-13	-45.95	-78.93	-62.36	1.54	7.10	V
									V
									V
									V
									V

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



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	-63.19	-13	-50.19	-76.69	-64.95	0.98	4.89	H
	2472	-60.72	-13	-47.72	-77.35	-62.6	1.28	5.32	H
	3336	-59.16	-13	-46.16	-79.22	-62.74	1.55	7.28	H
									H
									H
									H
									H
	1648	-62.21	-13	-49.21	-75.71	-63.97	0.98	4.89	V
	2472	-61.79	-13	-48.79	-78.42	-63.67	1.28	5.32	V
	3336	-59.45	-13	-46.45	-79.51	-63.03	1.55	7.28	V
									V
									V
									V
									V

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



LTE Band 7

LTE Band 7 / 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)
Highest	5136	-52.97	-25	-27.97	-78.79	-60.25	2.42	9.70	H
	7692	-42.51	-25	-17.51	-76.45	-52.06	2.37	11.92	H
	10260	-40.15	-25	-15.15	-81.29	-49.76	2.69	12.30	H
									H
									H
									H
									H
	5136	-51.93	-25	-26.93	-77.14	-59.21	2.42	9.70	V
	7692	-40.89	-25	-15.89	-74.09	-50.44	2.37	11.92	V
	10260	-32.08	-25	-7.08	-73.28	-41.69	2.69	12.30	V
									V
									V
									V
									V

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



LTE Band 7 / 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)
Highest	5214	-53.91	-25	-28.91	-79.05	-61.15	2.46	9.70	H
	7680	-42.80	-25	-17.80	-76.04	-52.34	2.37	11.91	H
	10248	-39.56	-25	-14.56	-80.19	-49.16	2.69	12.30	H
									H
									H
									H
									H
	5214	-50.99	-25	-25.99	-76.19	-58.23	2.46	9.70	V
	7680	-40.58	-25	-15.58	-74.17	-50.12	2.37	11.91	V
	10248	-32.51	-25	-7.51	-72.89	-42.11	2.69	12.30	V
									V
									V
									V
									V

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



LTE Band 7 / 15MHz / 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)
Highest	5112	-53.13	-25	-28.13	-78.97	-60.43	2.40	9.70	H
	7668	-43.77	-25	-18.77	-77.71	-53.3	2.38	11.90	H
	10224	-40.52	-25	-15.52	-81.35	-50.11	2.69	12.29	H
	12780	-39.08	-25	-14.08	-81.76	-48.94	2.87	12.74	H
									H
									H
									H
	5112	-51.19	-25	-26.19	-77.03	-58.49	2.40	9.70	V
	7668	-42.10	-25	-17.10	-76.04	-51.63	2.38	11.90	V
	10224	-34.11	-25	-9.11	-74.94	-43.7	2.69	12.29	V
	12780	-38.17	-25	-13.17	-80.85	-48.03	2.87	12.74	V
									V
									V
									V

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



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)
Highest	5100	-53.96	-25	-28.96	-79.76	-61.27	2.39	9.70	H
	7656	-43.81	-25	-18.81	-77.76	-53.32	2.38	11.89	H
	10200	-39.95	-25	-14.95	-80.66	-49.53	2.70	12.28	H
									H
									H
									H
									H
	5100	-52.74	-25	-27.74	-78.54	-60.05	2.39	9.70	V
	7656	-41.32	-25	-16.32	-75.27	-50.83	2.38	11.89	V
	10200	-33.90	-25	-8.90	-74.61	-43.48	2.70	12.28	V
									V
									V
									V
									V

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



LTE Band 12

LTE Band 12 / 1.4MHz / 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	1400	-61.12	-13.00	-48.12	-73.37	-62.78	0.87	4.68	H
									H
	2800	-60.79	-13.00	-47.79	-78.99	-62.90	1.38	5.64	H
									H
									H
									H
									H
	1400	-60.75	-13.00	-47.75	-73.00	-62.41	0.87	4.68	V
	2096	-63.11	-13.00	-50.11	-77.88	-63.98	1.16	4.19	V
	2800	-60.80	-13.00	-47.80	-79.00	-62.91	1.38	5.64	V
									V
									V
									V
									V

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



LTE Band 12 / 3MHz / 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	1400	-61.55	-13.00	-48.55	-73.80	-63.21	0.87	4.68	H
	2096	-63.43	-13.00	-50.43	-78.20	-64.30	1.16	4.19	H
	2800	-60.80	-13.00	-47.80	-79.00	-62.91	1.38	5.64	H
									H
									H
									H
									H
	1400	-61.03	-13.00	-48.03	-73.28	-62.69	0.87	4.68	V
	2096	-63.08	-13.00	-50.08	-77.85	-63.95	1.16	4.19	V
	2800	-60.95	-13.00	-47.95	-79.15	-63.06	1.38	5.64	V
									V
									V
									V
									V

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



LTE Band 12 / 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	1400	-61.72	-13.00	-48.72	-73.97	-63.38	0.87	4.68	H
	2096	-63.44	-13.00	-50.44	-78.21	-64.31	1.16	4.19	H
	2792	-60.66	-13.00	-47.66	-78.78	-62.76	1.38	5.63	H
									H
									H
									H
									H
	1400	-61.24	-13.00	-48.24	-73.49	-62.90	0.87	4.68	V
	2096	-63.20	-13.00	-50.20	-77.97	-64.07	1.16	4.19	V
	2792	-60.96	-13.00	-47.96	-79.08	-63.06	1.38	5.63	V
									V
									V
									V
									V

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



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	1400	-61.50	-13.00	-48.50	-73.75	-63.16	0.87	4.68	H
	2096	-63.30	-13.00	-50.30	-78.07	-64.17	1.16	4.19	H
	2800	-60.73	-13.00	-47.73	-78.93	-62.84	1.38	5.64	H
									H
									H
									H
									H
	1400	-61.14	-13.00	-48.14	-73.39	-62.80	0.87	4.68	V
	2096	-63.45	-13.00	-50.45	-78.22	-64.32	1.16	4.19	V
	2800	-60.81	-13.00	-47.81	-79.01	-62.92	1.38	5.64	V
									V
									V
									V
									V

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