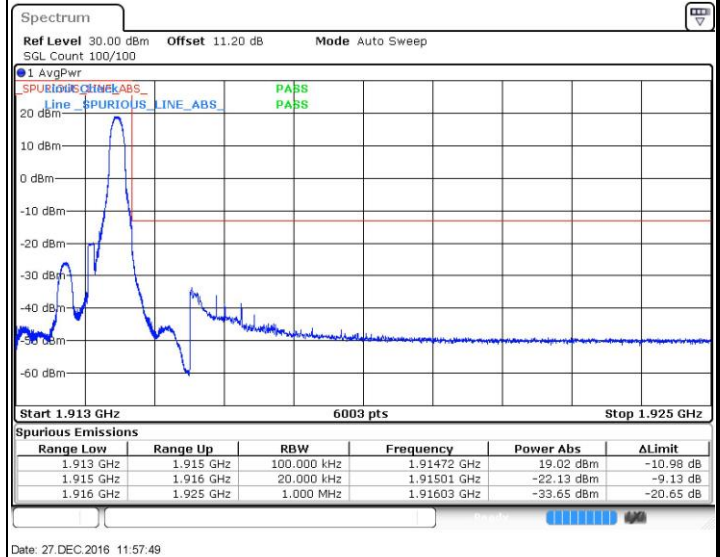


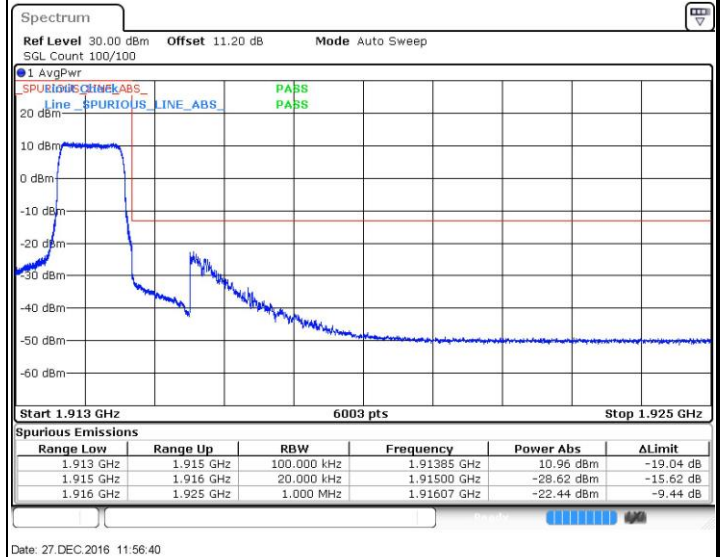


LTE Band 25 / 1.4MHz / 16QAM

Highest Band Edge / 1 RB



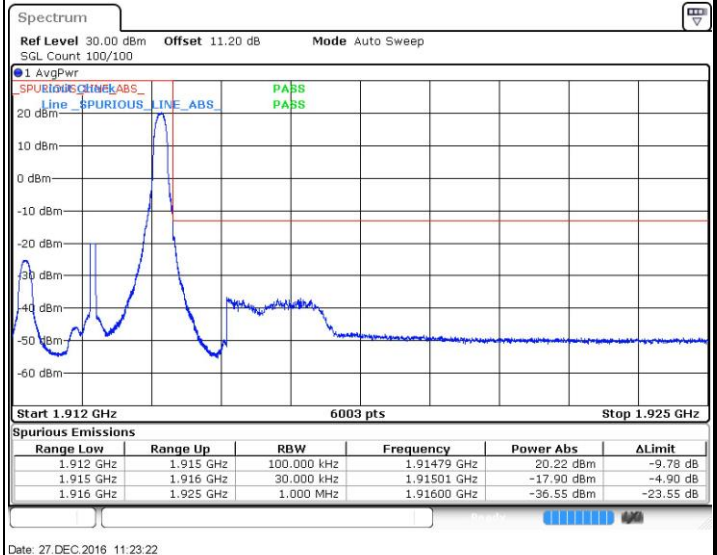
Highest Band Edge / Full RB



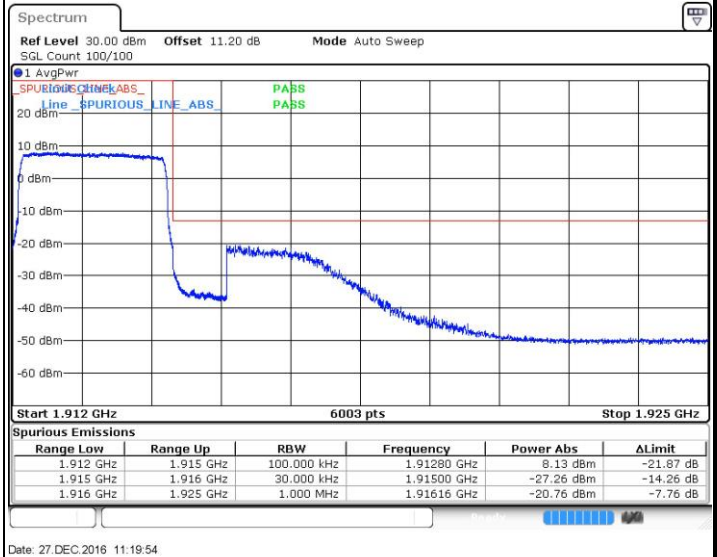


LTE Band 25 / 3MHz / QPSK

Highest Band Edge / 1 RB



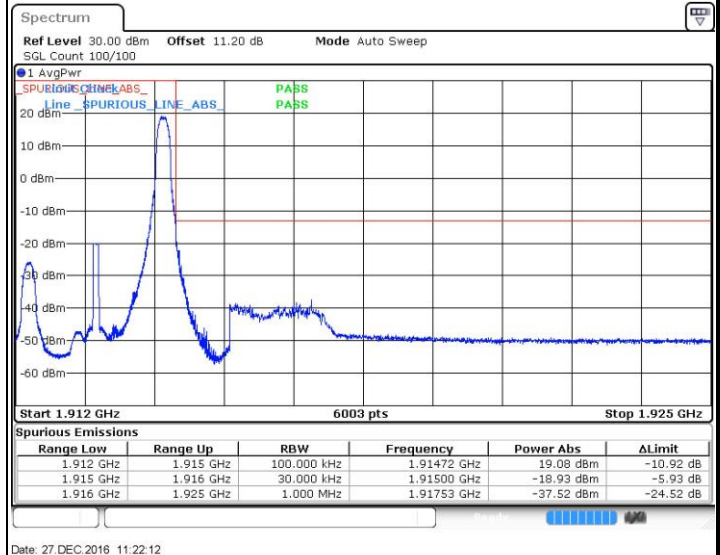
Highest Band Edge / Full RB



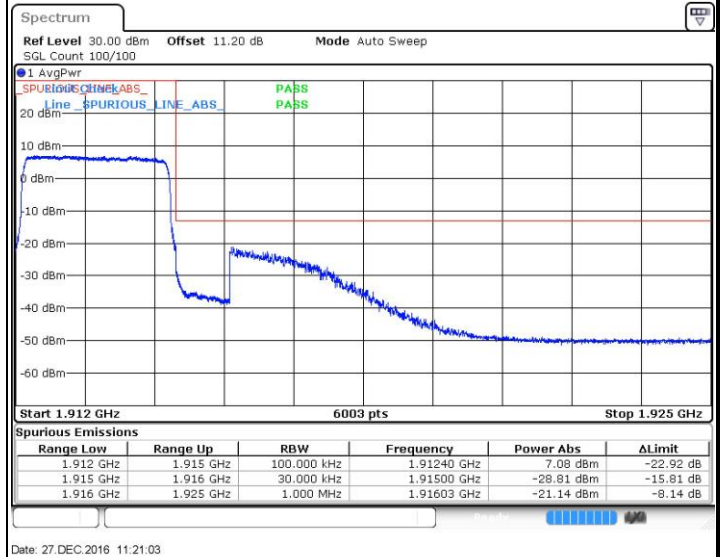


LTE Band 25 / 3MHz / 16QAM

Highest Band Edge / 1 RB



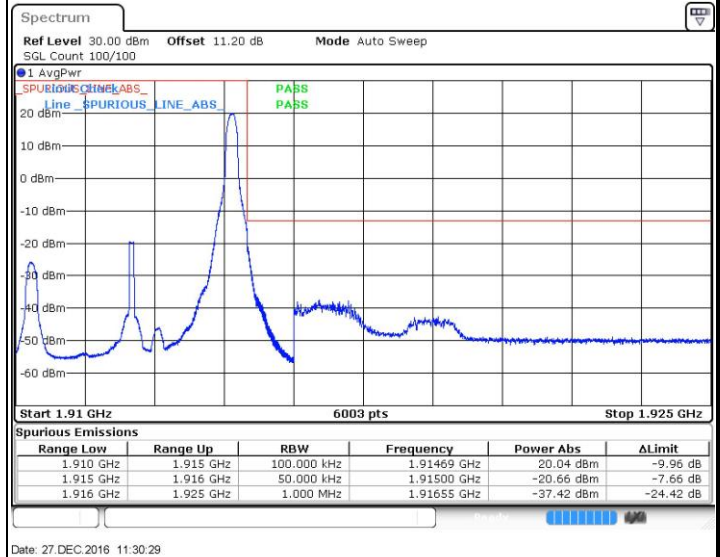
Highest Band Edge / Full RB



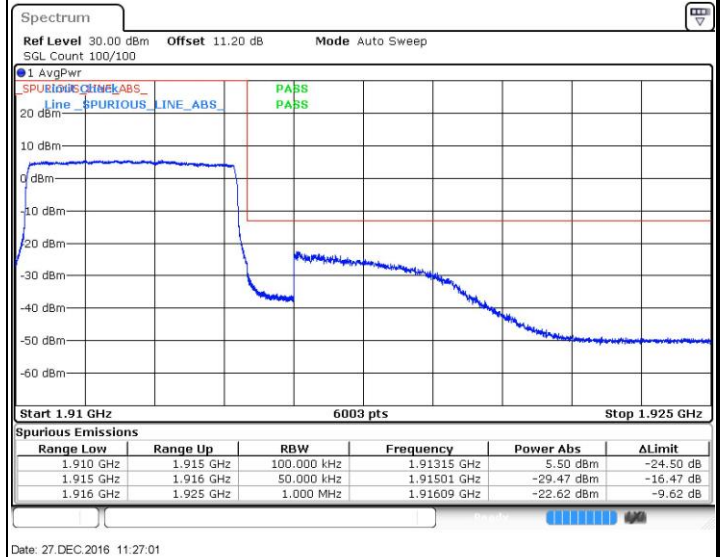


LTE Band 25 / 5MHz / QPSK

Highest Band Edge / 1 RB



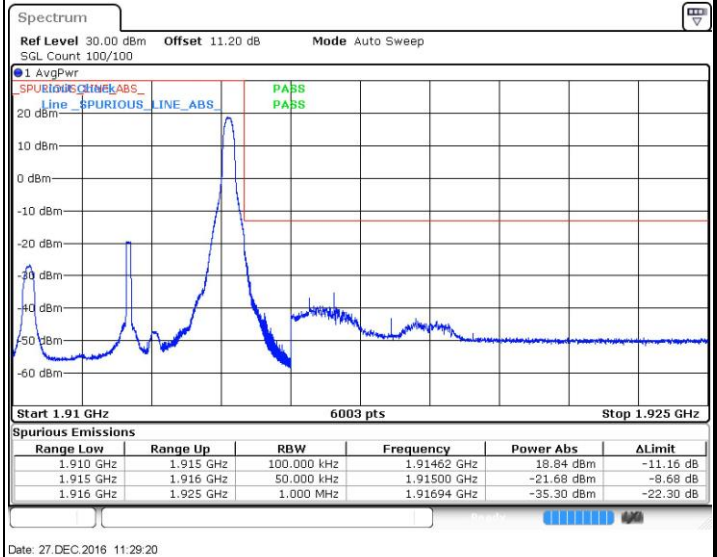
Highest Band Edge / Full RB



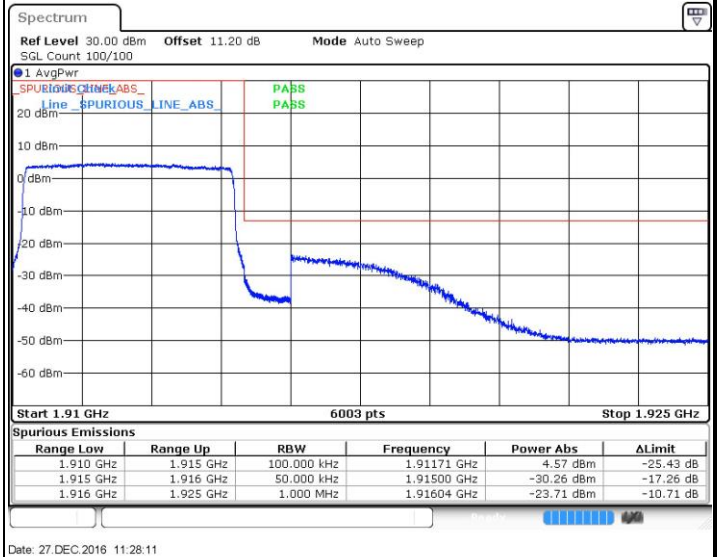


LTE Band 25 / 5MHz / 16QAM

Highest Band Edge / 1 RB



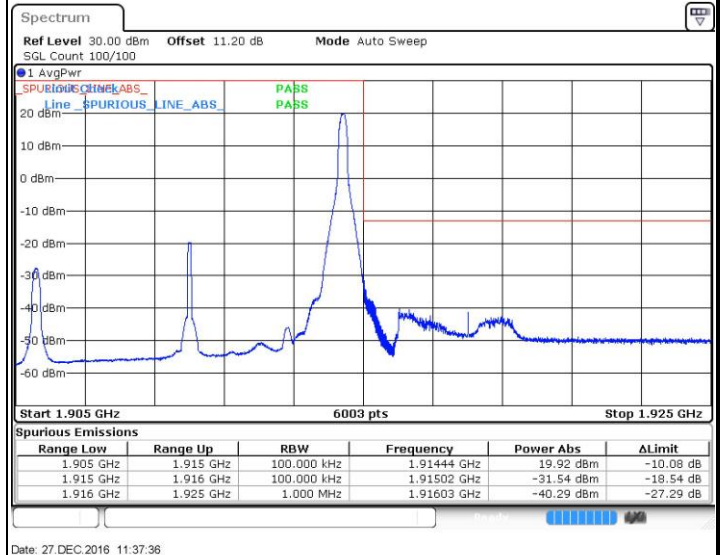
Highest Band Edge / Full RB



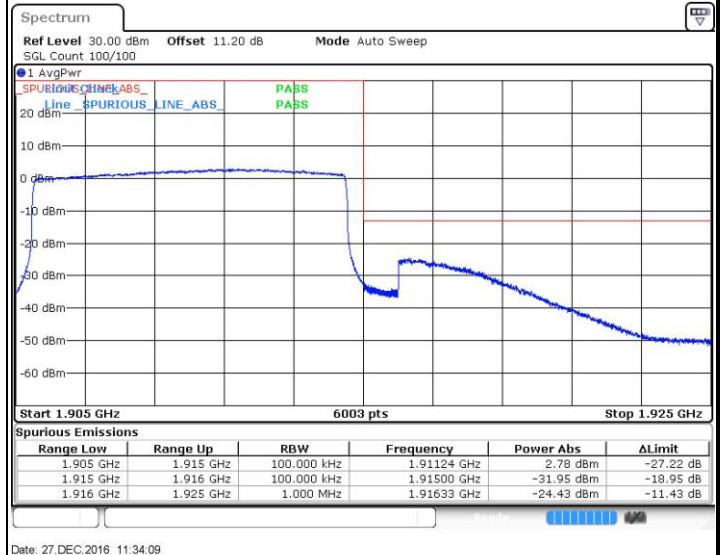


LTE Band 25 / 10MHz / QPSK

Highest Band Edge / 1 RB



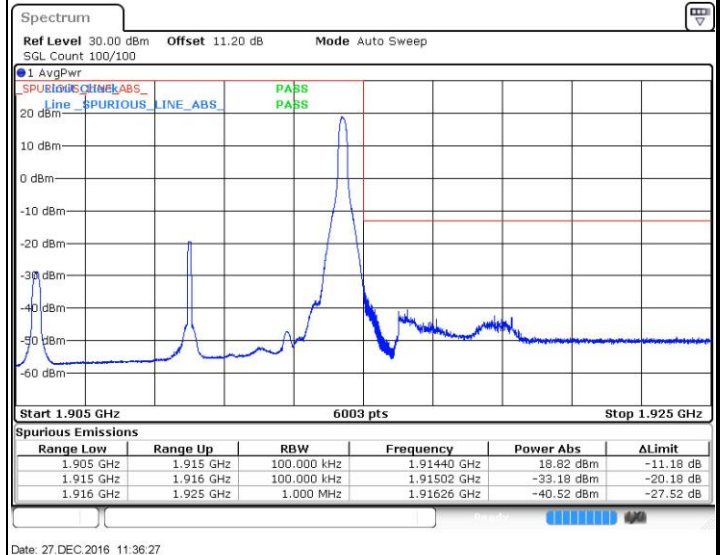
Highest Band Edge / Full RB



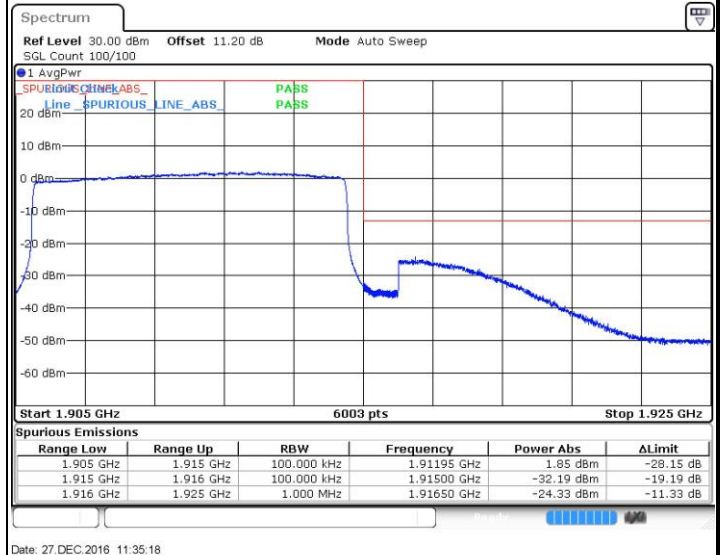


LTE Band 25 / 10MHz / 16QAM

Highest Band Edge / 1 RB



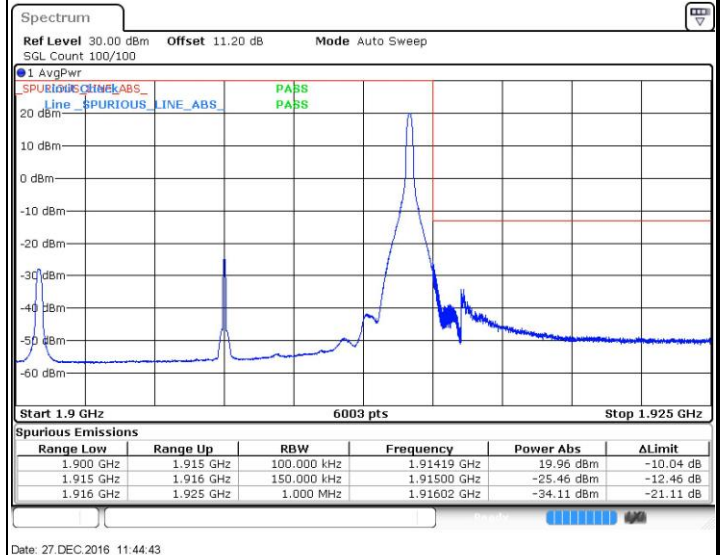
Highest Band Edge / Full RB



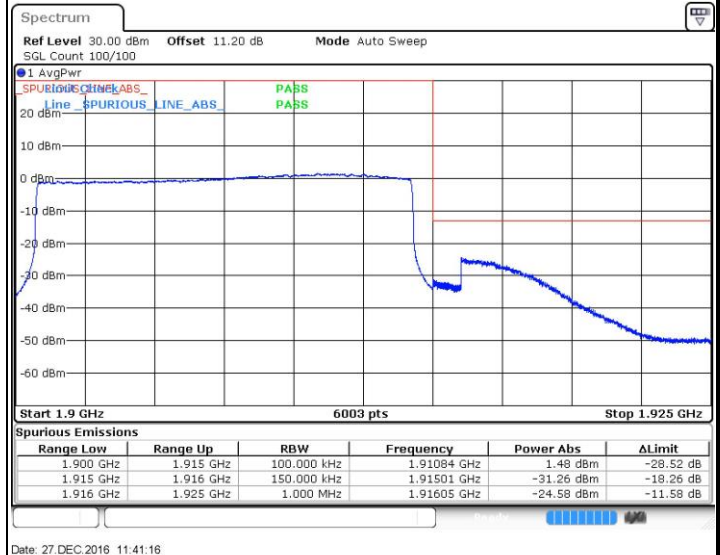


LTE Band 25 / 15MHz / QPSK

Highest Band Edge / 1 RB



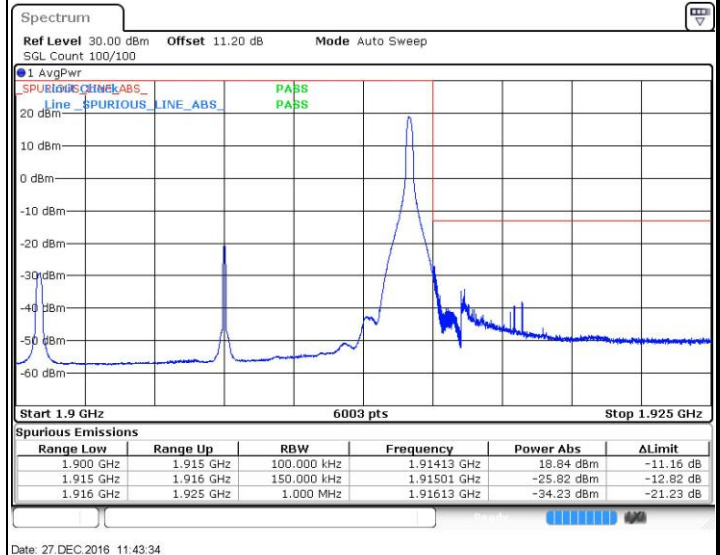
Highest Band Edge / Full RB



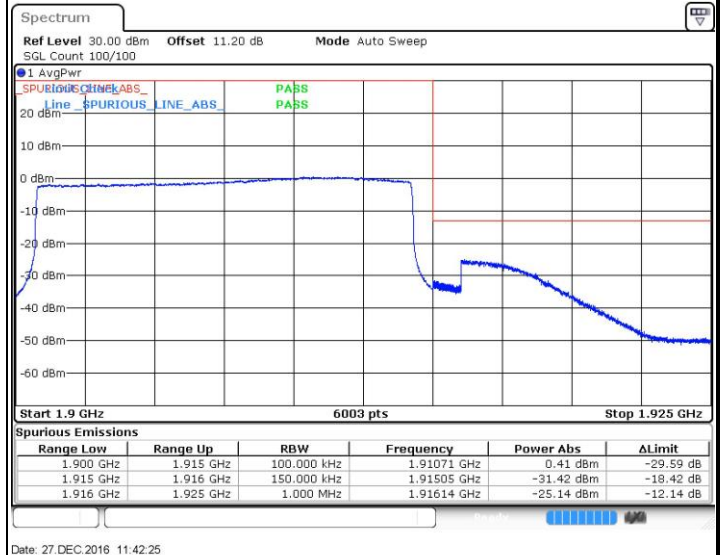


LTE Band 25 / 15MHz / 16QAM

Highest Band Edge / 1 RB



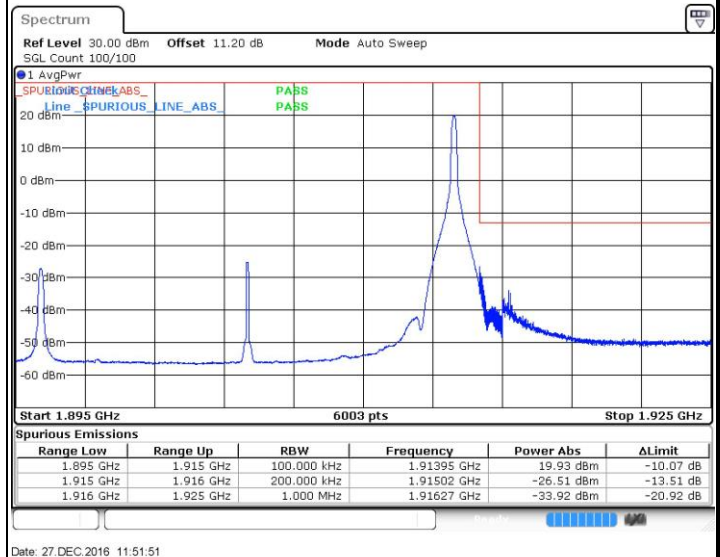
Highest Band Edge / Full RB



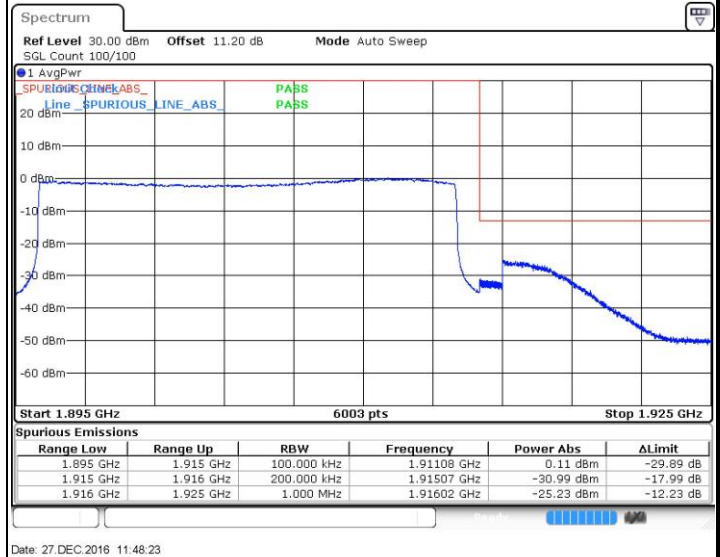


LTE Band 25 / 20MHz / QPSK

Highest Band Edge / 1 RB



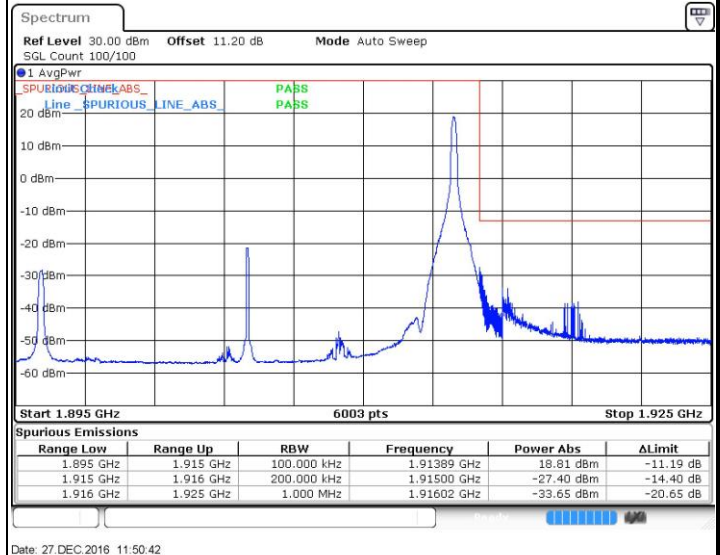
Highest Band Edge / Full RB



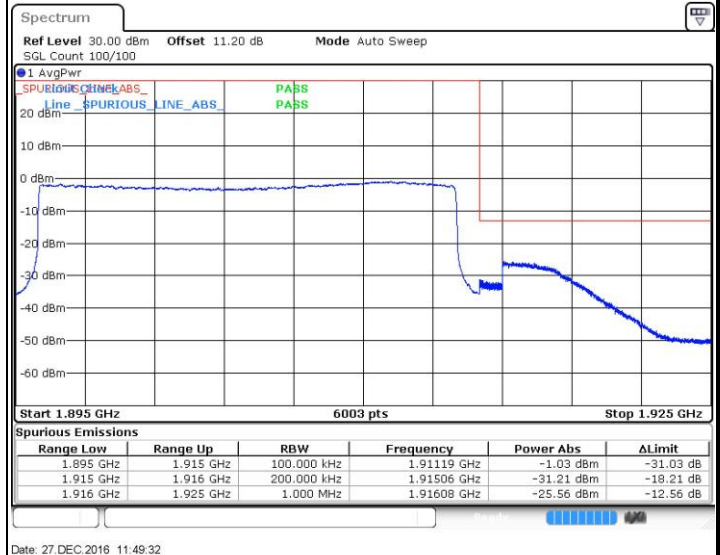


LTE Band 25 / 20MHz / 16QAM

Highest Band Edge / 1 RB



Highest Band Edge / Full RB



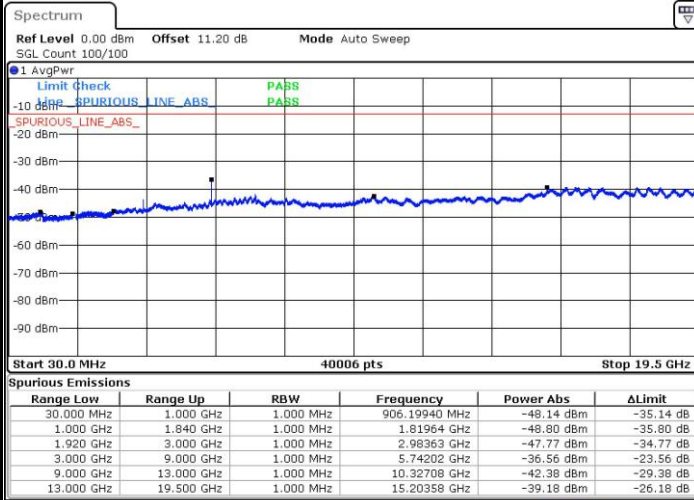


Conducted Spurious Emission



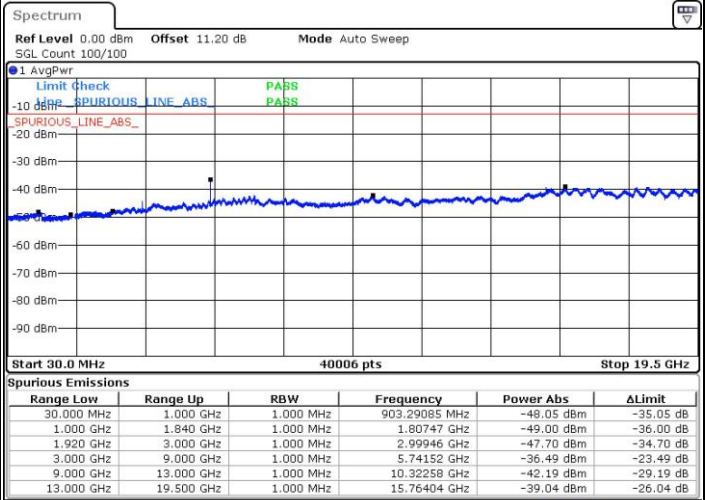
LTE Band 25 / 1.4MHz

Highest Channel / QPSK



Date: 27 DEC 2016 11:59:53

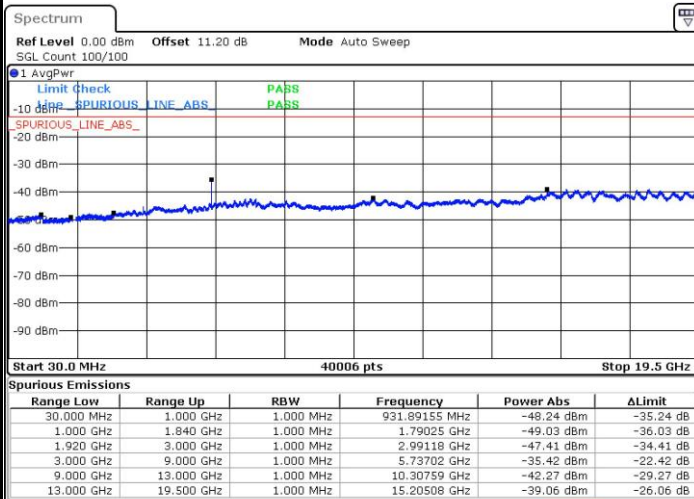
Highest Channel / 16QAM



Date: 27 DEC 2016 12:00:48

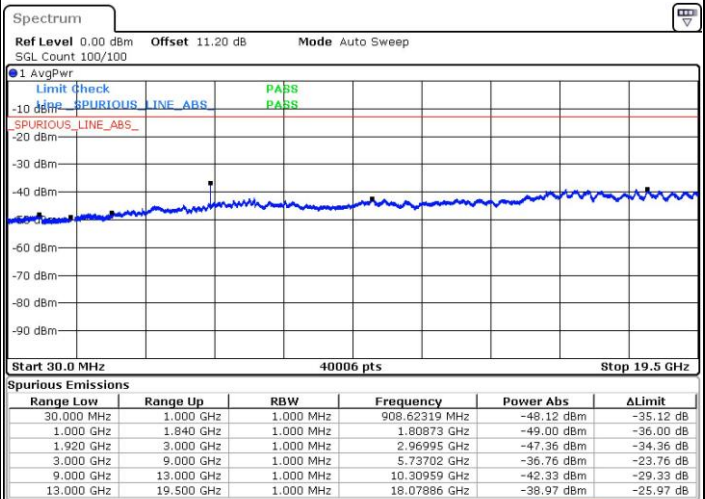
LTE Band 25 / 3MHz

Highest Channel / QPSK



Date: 27 DEC 2016 11:24:16

Highest Channel / 16QAM

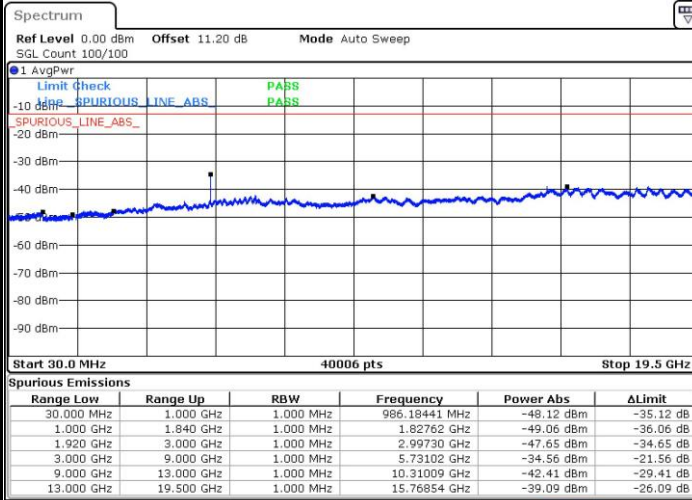


Date: 27 DEC 2016 11:25:11



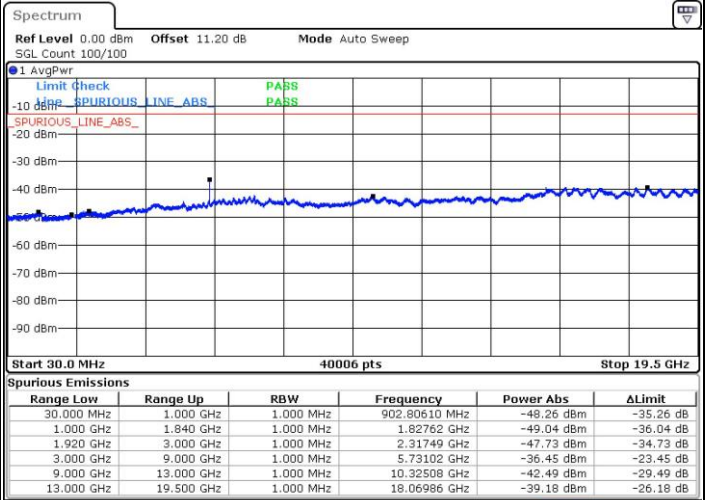
LTE Band 25 / 5MHz

Highest Channel / QPSK



Date: 27 DEC 2016 11:31:24

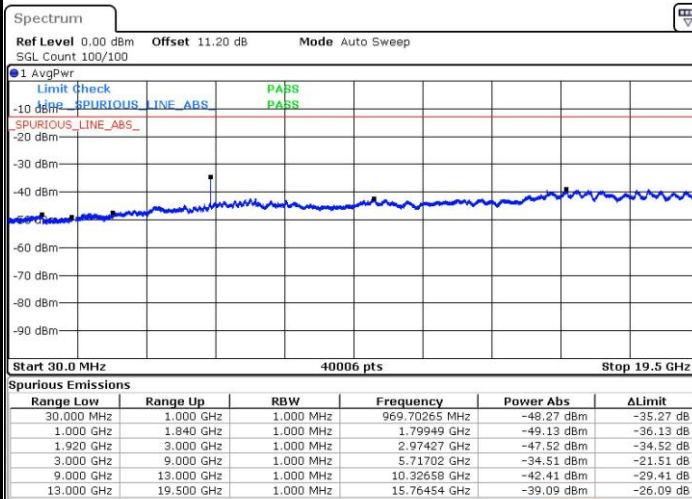
Highest Channel / 16QAM



Date: 27 DEC 2016 11:32:18

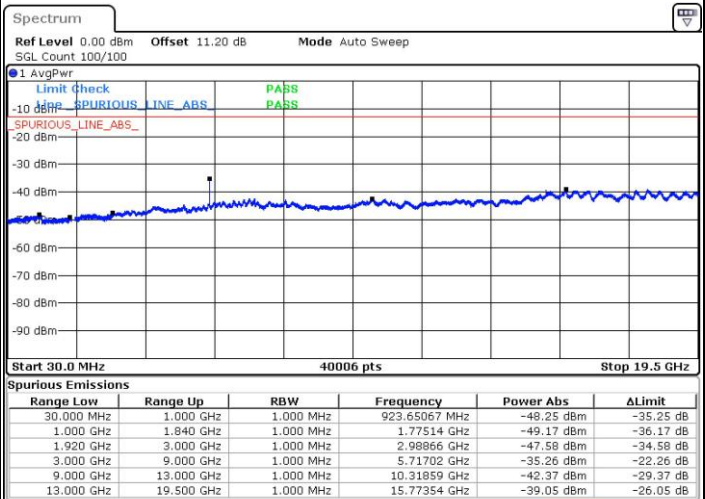
LTE Band 25 / 10MHz

Highest Channel / QPSK



Date: 27 DEC 2016 11:38:31

Highest Channel / 16QAM

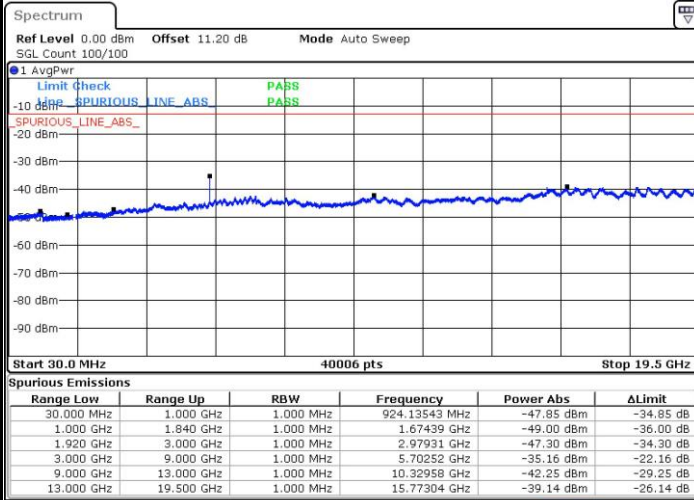


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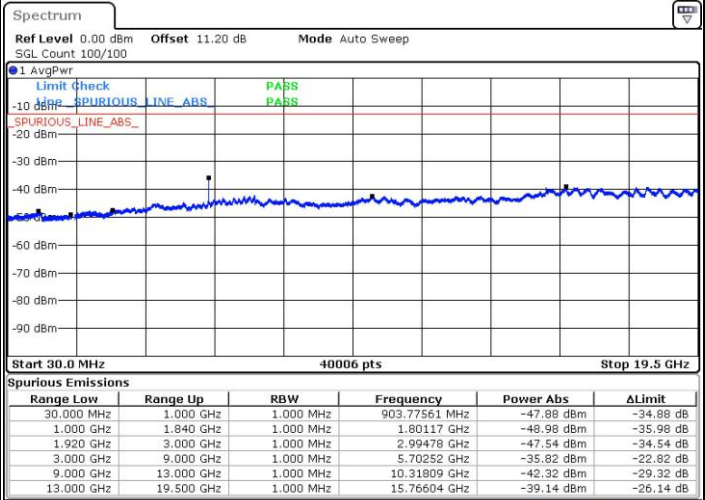
LTE Band 25 / 15MHz

Highest Channel / QPSK



Date: 27 DEC 2016 11:45:38

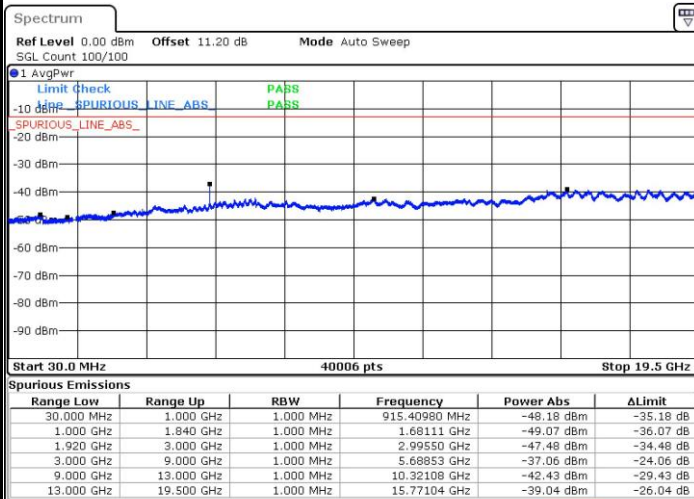
Highest Channel / 16QAM



Date: 27 DEC 2016 11:46:33

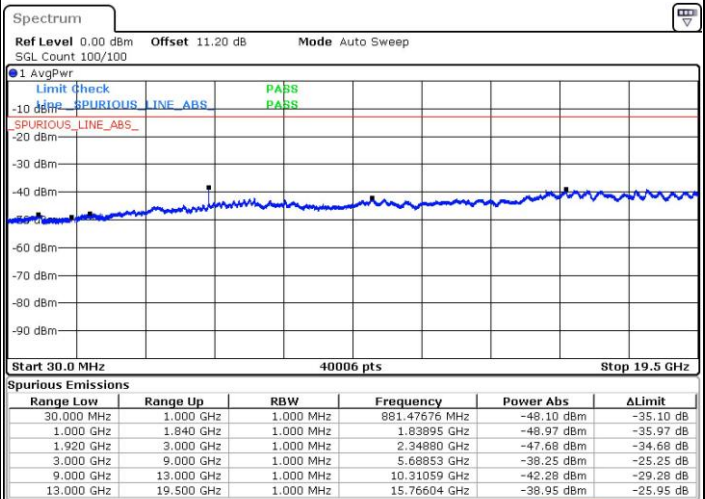
LTE Band 25 / 20MHz

Highest Channel / QPSK



Date: 27 DEC 2016 11:52:46

Highest Channel / 16QAM



Date: 27 DEC 2016 11:53:40

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0126	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0119	
0	Normal Voltage	0.0114	
-10	Normal Voltage	0.0128	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0123	
20	Maximum Voltage	0.0120	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =24.0 V. ; Battery End Point (BEP) =12.0 V. ; Maximum Voltage =48.0 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 = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.18	0.1652	25.66	0.3681
Middle		1	3	22.14	0.1637	25.62	0.3648
Highest		1	3	22.38	0.1730	25.86	0.3855
Lowest	16QAM	3	1	21.14	0.1300	24.62	0.2897
Middle		3	1	21.24	0.1330	24.72	0.2965
Highest		3	1	21.41	0.1384	24.89	0.3083
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	22.25	0.1679	25.73	0.3741
Middle		1	14	22.25	0.1679	25.73	0.3741
Highest		1	14	22.43	0.1750	25.91	0.3899
Lowest	16QAM	1	14	21.25	0.1334	24.73	0.2972
Middle		1	14	21.21	0.1321	24.69	0.2944
Highest		1	14	21.43	0.1390	24.91	0.3097
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.98	0.1986	26.46	0.4426
Middle		1	24	22.80	0.1905	26.28	0.4246
Highest		1	24	23.08	0.2032	26.56	0.4529
Lowest	16QAM	1	24	21.97	0.1574	25.45	0.3508
Middle		1	24	21.90	0.1549	25.38	0.3451
Highest		1	24	22.10	0.1622	25.58	0.3614
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.01	0.2000	26.49	0.4457
Middle		1	49	22.77	0.1892	26.25	0.4217
Highest		1	49	23.06	0.2023	26.54	0.4508
Lowest	16QAM	1	49	22.00	0.1585	25.48	0.3532
Middle		1	49	21.85	0.1531	25.33	0.3412
Highest		1	49	22.04	0.1600	25.52	0.3565
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.03	0.2009	26.51	0.4477
Middle		1	37	22.84	0.1923	26.32	0.4285
Highest		1	37	22.91	0.1954	26.39	0.4355
Lowest	16QAM	1	37	22.06	0.1607	25.54	0.3581
Middle		1	37	21.95	0.1567	25.43	0.3491
Highest		1	37	21.94	0.1563	25.42	0.3483
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.00	0.1995	26.48	0.4446
Middle		1	49	22.85	0.1928	26.33	0.4295
Highest		1	49	22.78	0.1897	26.26	0.4227
Lowest	16QAM	1	49	22.01	0.1589	25.49	0.3540
Middle		1	49	21.88	0.1542	25.36	0.3436
Highest		1	49	21.84	0.1528	25.32	0.3404
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 1.4MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	22.12	0.1629	25.60	0.3631
Middle		3	0	22.11	0.1626	25.59	0.3622
Highest		3	0	22.28	0.1690	25.76	0.3767
Lowest	16QAM	3	0	21.09	0.1285	24.57	0.2864
Middle		3	0	21.15	0.1303	24.63	0.2904
Highest		3	0	21.29	0.1346	24.77	0.2999
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.13	0.1633	25.61	0.3639
Middle		1	0	22.16	0.1644	25.64	0.3664
Highest		1	0	22.32	0.1706	25.80	0.3802
Lowest	16QAM	1	0	21.10	0.1288	24.58	0.2871
Middle		1	0	21.19	0.1315	24.67	0.2931
Highest		1	0	21.32	0.1355	24.80	0.3020
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.83	0.1919	26.31	0.4276
Middle		1	24	22.77	0.1892	26.25	0.4217
Highest		1	24	22.94	0.1968	26.42	0.4385
Lowest	16QAM	1	12	21.81	0.1517	25.29	0.3381
Middle		1	12	21.88	0.1542	25.36	0.3436
Highest		1	12	22.05	0.1603	25.53	0.3573
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 10MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.94	0.1968	26.42	0.4385
Middle		1	49	22.73	0.1875	26.21	0.4178
Highest		1	49	22.92	0.1959	26.40	0.4365
Lowest	16QAM	1	25	21.87	0.1538	25.35	0.3428
Middle		1	25	21.89	0.1545	25.37	0.3443
Highest		1	25	21.97	0.1574	25.45	0.3508
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.92	0.1959	26.40	0.4365
Middle		1	37	22.81	0.1910	26.29	0.4256
Highest		1	37	22.92	0.1959	26.40	0.4365
Lowest	16QAM	1	74	21.71	0.1483	25.19	0.3304
Middle		1	74	21.68	0.1472	25.16	0.3281
Highest		1	74	21.98	0.1578	25.46	0.3516
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.76	0.1888	26.24	0.4207
Middle		1	99	22.60	0.1820	26.08	0.4055
Highest		1	99	22.95	0.1972	26.43	0.4395
Lowest	16QAM	1	99	21.80	0.1514	25.28	0.3373
Middle		1	99	21.67	0.1469	25.15	0.3273
Highest		1	99	21.98	0.1578	25.46	0.3516
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	22.18	0.1652	25.66	0.3681
Middle		3	3	22.27	0.1687	25.75	0.3758
Highest		3	3	22.13	0.1633	25.61	0.3639
Lowest	16QAM	3	3	21.22	0.1324	24.70	0.2951
Middle		3	3	21.34	0.1361	24.82	0.3034
Highest		3	3	21.18	0.1312	24.66	0.2924
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	22.24	0.1675	25.72	0.3733
Middle		1	14	22.37	0.1726	25.85	0.3846
Highest		1	14	22.23	0.1671	25.71	0.3724
Lowest	16QAM	1	8	21.30	0.1349	24.78	0.3006
Middle		1	8	21.36	0.1368	24.84	0.3048
Highest		1	8	21.26	0.1337	24.74	0.2979
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.96	0.1977	26.44	0.4406
Middle		1	24	23.11	0.2046	26.59	0.4560
Highest		1	24	22.89	0.1945	26.37	0.4335
Lowest	16QAM	1	12	21.99	0.1581	25.47	0.3524
Middle		1	12	22.07	0.1611	25.55	0.3589
Highest		1	12	22.12	0.1629	25.60	0.3631
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.94	0.1968	26.42	0.4385
Middle		1	0	23.06	0.2023	26.54	0.4508
Highest		1	0	23.06	0.2023	26.54	0.4508
Lowest	16QAM	1	0	21.98	0.1578	25.46	0.3516
Middle		1	0	22.13	0.1633	25.61	0.3639
Highest		1	0	22.08	0.1614	25.56	0.3597
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.98	0.1986	26.46	0.4426
Middle		1	0	23.09	0.2037	26.57	0.4539
Highest		1	0	23.25	0.2113	26.73	0.4710
Lowest	16QAM	1	0	22.02	0.1592	25.50	0.3548
Middle		1	0	22.05	0.1603	25.53	0.3573
Highest		1	0	22.20	0.1660	25.68	0.3698
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 3.48 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.88	0.1941	26.36	0.4325
Middle		1	0	22.93	0.1963	26.41	0.4375
Highest		1	0	23.05	0.2018	26.53	0.4498
Lowest	16QAM	1	0	21.95	0.1567	25.43	0.3491
Middle		1	0	22.01	0.1589	25.49	0.3540
Highest		1	0	22.08	0.1614	25.56	0.3597
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.75	0.1884	23.64	0.2312
Middle		1	3	22.83	0.1919	23.72	0.2355
Highest		1	3	23.03	0.2009	23.92	0.2466
Lowest	16QAM	1	3	21.81	0.1517	22.70	0.1862
Middle		1	3	21.88	0.1542	22.77	0.1892
Highest		1	3	22.05	0.1603	22.94	0.1968
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.86	0.1932	23.75	0.2371
Middle		1	8	22.78	0.1897	23.67	0.2328
Highest		1	8	22.98	0.1986	23.87	0.2438
Lowest	16QAM	1	8	21.87	0.1538	22.76	0.1888
Middle		1	8	21.89	0.1545	22.78	0.1897
Highest		1	8	21.97	0.1574	22.86	0.1932
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.73	0.1875	23.62	0.2301
Middle		1	24	22.65	0.1841	23.54	0.2259
Highest		1	24	23.00	0.1995	23.89	0.2449
Lowest	16QAM	1	24	21.71	0.1483	22.60	0.1820
Middle		1	24	21.68	0.1472	22.57	0.1807
Highest		1	24	21.98	0.1578	22.87	0.1936
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.76	0.1888	23.65	0.2317
Middle		1	49	22.60	0.1820	23.49	0.2234
Highest		1	49	22.95	0.1972	23.84	0.2421
Lowest	16QAM	1	49	21.80	0.1514	22.69	0.1858
Middle		1	49	21.67	0.1469	22.56	0.1803
Highest		1	49	21.98	0.1578	22.87	0.1936
Limit	ERP < 7W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.22	0.1667	23.11	0.2046
Middle		1	24	22.15	0.1641	23.04	0.2014
Highest		1	24	21.90	0.1549	22.79	0.1901
Lowest	16QAM	1	24	21.22	0.1324	22.11	0.1626
Middle		1	24	21.17	0.1309	22.06	0.1607
Highest		1	24	20.94	0.1242	21.83	0.1524
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	25	22.23	0.1671	23.12	0.2051
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	21.24	0.1330	22.13	0.1633
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.21	0.1663	23.10	0.2042
Middle		1	24	22.06	0.1607	22.95	0.1972
Highest		1	24	21.77	0.1503	22.66	0.1845
Lowest	16QAM	1	24	21.18	0.1312	22.07	0.1611
Middle		1	24	21.07	0.1279	21.96	0.1570
Highest		1	24	20.84	0.1213	21.73	0.1489
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = 3.04 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.27	0.1687	23.16	0.2070
Middle		1	25	22.19	0.1656	23.08	0.2032
Highest		1	25	22.09	0.1618	22.98	0.1986
Lowest	16QAM	1	25	21.31	0.1352	22.20	0.1660
Middle		1	25	21.22	0.1324	22.11	0.1626
Highest		1	25	21.12	0.1294	22.01	0.1589
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)
Highest	3817	-50.18	-13	-37.18	-67.41	-56.86	1.70	8.38	H
	5724	-36.57	-13	-23.57	-59.45	-43.61	2.75	9.79	H
	7632	-49.95	-13	-36.95	-77.33	-59.44	2.39	11.88	H
									H
									H
									H
									H
	3817	-55.78	-13	-42.78	-73.07	-62.46	1.70	8.38	V
	5724	-41.73	-13	-28.73	-64.55	-48.77	2.75	9.79	V
	7632	-50.00	-13	-37.00	-77.44	-59.49	2.39	11.88	V
									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)
Highest	3816	-51.21	-13	-38.21	-68.41	-57.89	1.70	8.38	H
	5724	-33.92	-13	-20.92	-56.75	-40.96	2.75	9.79	H
	7626	-50.10	-13	-37.10	-77.41	-59.59	2.39	11.88	H
									H
									H
									H
									H
	3816	-56.54	-13	-43.54	-73.8	-63.22	1.70	8.38	V
	5724	-38.54	-13	-25.54	-61.38	-45.58	2.75	9.79	V
	7626	-49.59	-13	-36.59	-77.05	-59.08	2.39	11.88	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)
Highest	3810	-47.66	-13	-34.66	-64.79	-54.33	1.70	8.37	H
	5718	-35.25	-13	-22.25	-58.2	-42.29	2.75	9.79	H
	7620	-49.58	-13	-36.58	-76.95	-59.06	2.39	11.87	H
									H
									H
									H
									H
	3810	-55.11	-13	-42.11	-72.25	-61.78	1.70	8.37	V
	5718	-39.75	-13	-26.75	-62.59	-46.79	2.75	9.79	V
	7620	-48.87	-13	-35.87	-76.39	-58.35	2.39	11.87	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)
Highest	3804	-50.81	-13	-37.81	-67.96	-57.48	1.70	8.36	H
	5700	-34.78	-13	-21.78	-57.66	-41.82	2.74	9.78	H
	7608	-50.36	-13	-37.36	-77.74	-59.83	2.39	11.86	H
									H
									H
									H
									H
	3804	-56.44	-13	-43.44	-73.69	-63.11	1.70	8.36	V
	5700	-39.59	-13	-26.59	-62.33	-46.63	2.74	9.78	V
	7608	-50.22	-13	-37.22	-77.69	-59.69	2.39	11.86	V
									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)
Highest	3792	-55.90	-13	-42.90	-73	-62.55	1.70	8.35	H
	5688	-35.83	-13	-22.83	-58.71	-42.87	2.73	9.78	H
	7584	-50.00	-13	-37.00	-77.34	-59.45	2.40	11.85	H
									H
									H
									H
									H
	3792	-57.52	-13	-44.52	-74.72	-64.17	1.70	8.35	V
	5688	-41.44	-13	-28.44	-64.18	-48.48	2.73	9.78	V
	7584	-49.09	-13	-36.09	-76.53	-58.54	2.40	11.85	V
									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	3702	-49.33	-13	-36.33	-66.17	-55.9	1.67	8.24	H
	5556	-38.59	-13	-25.59	-61.24	-45.66	2.66	9.72	H
	7404	-50.43	-13	-37.43	-77.51	-59.58	2.46	11.61	H
									H
									H
									H
									H
	3702	-54.00	-13	-41.00	-71	-60.57	1.67	8.24	V
	5556	-44.18	-13	-31.18	-66.66	-51.25	2.66	9.72	V
	7404	-49.94	-13	-36.94	-77.07	-59.09	2.46	11.61	V
									V
									V
									V
									V

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



LTE Band 25

LTE Band 25 / 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	3828	-49.37	-13	-36.37	-66.6	-56.06	1.71	8.39	H
	5742	-38.76	-13	-25.76	-61.72	-45.79	2.76	9.80	H
	7656	-50.07	-13	-37.07	-77.61	-59.58	2.38	11.89	H
									H
									H
									H
									H
	3828	-46.97	-13	-33.97	-64.23	-53.66	1.71	8.39	V
	5742	-37.68	-13	-24.68	-60.52	-44.71	2.76	9.80	V
	7656	-49.51	-13	-36.51	-76.94	-59.02	2.38	11.89	V
									V
									V
									V
									V



LTE Band 25 / 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	3822	-49.13	-13	-36.13	-66.32	-55.81	1.71	8.39	H
	5736	-37.02	-13	-24.02	-59.98	-44.05	2.76	9.79	H
	7650	-50.25	-13	-37.25	-77.76	-59.76	2.38	11.89	H
									H
									H
									H
									H
	3822	-48.13	-13	-35.13	-65.43	-54.81	1.71	8.39	V
	5736	-35.05	-13	-22.05	-57.85	-42.08	2.76	9.79	V
	7650	-49.75	-13	-36.75	-77.24	-59.26	2.38	11.89	V
									V
									V
									V
									V

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



LTE Band 25 / 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	3822	-51.93	-13	-38.93	-69.13	-58.61	1.71	8.39	H
	5730	-35.51	-13	-22.51	-58.48	-42.54	2.76	9.79	H
	7644	-49.85	-13	-36.85	-77.27	-59.35	2.38	11.89	H
									H
									H
									H
									H
	3822	-50.32	-13	-37.32	-67.55	-57	1.71	8.39	V
	5730	-35.33	-13	-22.33	-58.16	-42.36	2.76	9.79	V
	7644	-48.70	-13	-35.70	-76.19	-58.2	2.38	11.89	V
									V
									V
									V
									V



LTE Band 25 / 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	3810	-52.92	-13	-39.92	-70.07	-59.59	1.70	8.37	H
	5718	-36.94	-13	-23.94	-59.92	-43.98	2.75	9.79	H
	7620	-49.49	-13	-36.49	-76.86	-58.97	2.39	11.87	H
									H
									H
									H
									H
	3810	-49.87	-13	-36.87	-67.18	-56.54	1.70	8.37	V
	5718	-35.84	-13	-22.84	-58.69	-42.88	2.75	9.79	V
	7620	-48.26	-13	-35.26	-75.66	-57.74	2.39	11.87	V
									V
									V
									V
									V

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



LTE Band 25 / 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	3804	-54.44	-13	-41.44	-71.57	-61.11	1.70	8.36	H
	5700	-37.31	-13	-24.31	-60.14	-44.35	2.74	9.78	H
	7602	-49.30	-13	-36.30	-76.62	-58.76	2.40	11.86	H
									H
									H
									H
									H
	3804	-52.97	-13	-39.97	-70.22	-59.64	1.70	8.36	V
	5700	-36.37	-13	-23.37	-59.12	-43.41	2.74	9.78	V
	7602	-48.01	-13	-35.01	-75.38	-57.47	2.40	11.86	V
									V
									V
									V
									V



LTE Band 25 / 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	3792	-58.13	-13	-45.13	-75.12	-64.78	1.70	8.35	H
	5688	-38.39	-13	-25.39	-61.26	-45.43	2.73	9.78	H
	7578	-49.84	-13	-36.84	-77.21	-59.28	2.40	11.85	H
									H
									H
									H
									H
	3792	-57.71	-13	-44.71	-74.95	-64.36	1.70	8.35	V
	5688	-36.96	-13	-23.96	-59.67	-44	2.73	9.78	V
	7578	-49.87	-13	-36.87	-77.25	-59.31	2.40	11.85	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)
Middle	3462	-44.42	-13	-31.42	-60.39	-50.66	1.59	7.83	H
	5196	-53.47	-13	-40.47	-75.15	-60.72	2.45	9.70	H
	6927	-51.86	-13	-38.86	-77.86	-59.96	2.61	10.71	H
									H
									H
									H
									H
	3462	-48.39	-13	-35.39	-64.76	-54.63	1.59	7.83	V
	5196	-54.74	-13	-41.74	-76.48	-61.99	2.45	9.70	V
	6927	-52.21	-13	-39.21	-77.94	-60.31	2.61	10.71	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)
Middle	3462	-45.59	-13	-32.59	-61.76	-51.83	1.59	7.83	H
	5196	-53.49	-13	-40.49	-75.17	-60.74	2.45	9.70	H
	6924	-51.94	-13	-38.94	-77.87	-60.03	2.62	10.71	H
									H
									H
									H
									H
	3462	-48.48	-13	-35.48	-64.85	-54.72	1.59	7.83	V
	5196	-55.15	-13	-42.15	-76.89	-62.4	2.45	9.70	V
	6924	-52.06	-13	-39.06	-77.73	-60.15	2.62	10.71	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)
Middle	3462	-45.19	-13	-32.19	-61.36	-51.43	1.59	7.83	H
	5190	-53.14	-13	-40.14	-74.77	-60.39	2.45	9.70	H
	6920	-51.86	-13	-38.86	-77.79	-59.95	2.62	10.70	H
									H
									H
									H
									H
	3462	-49.00	-13	-36.00	-65.37	-55.24	1.59	7.83	V
	5190	-55.05	-13	-42.05	-76.76	-62.3	2.45	9.70	V
	6920	-52.15	-13	-39.15	-77.82	-60.24	2.62	10.70	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)
Middle	3456	-45.84	-13	-32.84	-61.99	-52.06	1.59	7.81	H
	5184	-53.40	-13	-40.40	-75.03	-60.66	2.44	9.70	H
	6912	-51.43	-13	-38.43	-77.36	-59.51	2.62	10.69	H
									H
									H
									H
									H
	3456	-49.05	-13	-36.05	-65.37	-55.27	1.59	7.81	V
	5184	-55.39	-13	-42.39	-77.1	-62.65	2.44	9.70	V
	6912	-51.77	-13	-38.77	-77.44	-59.85	2.62	10.69	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	3480	-41.66	-13	-28.66	-57.84	-47.97	1.60	7.91	H
	5220	-52.27	-13	-39.27	-74	-59.51	2.46	9.70	H
	6960	-51.44	-13	-38.44	-77.54	-59.59	2.60	10.75	H
									H
									H
									H
									H
	3480	-45.93	-13	-32.93	-62.34	-52.24	1.60	7.91	V
	5220	-54.51	-13	-41.51	-76.29	-61.75	2.46	9.70	V
	6960	-51.88	-13	-38.88	-77.7	-60.03	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	3474	-43.01	-13	-30.01	-59.19	-49.3	1.60	7.89	H
	5208	-53.86	-13	-40.86	-75.59	-61.1	2.46	9.70	H
	6948	-51.31	-13	-38.31	-77.36	-59.44	2.61	10.74	H
									H
									H
									H
									H
	3474	-47.87	-13	-34.87	-64.28	-54.16	1.60	7.89	V
	5208	-53.65	-13	-40.65	-75.43	-60.89	2.46	9.70	V
	6948	-51.72	-13	-38.72	-77.49	-59.85	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)	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	1696	-51.36	-13	-38.36	-61.35	-52.96	1.00	4.75	H
	2544	-54.53	-13	-41.53	-68.5	-56.51	1.30	5.44	H
	3392	-53.33	-13	-40.33	-69.41	-57.13	1.57	7.52	H
									H
									H
									H
									H
	1696	-52.16	-13	-39.16	-62.09	-53.76	1.00	4.75	V
	2544	-53.37	-13	-40.37	-67.33	-55.35	1.30	5.44	V
	3392	-53.69	-13	-40.69	-69.87	-57.49	1.57	7.52	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)
Highest	1696	-52.99	-13	-39.99	-62.98	-54.59	1.00	4.75	H
	2538	-55.55	-13	-42.55	-69.46	-57.53	1.30	5.43	H
	3384	-54.53	-13	-41.53	-70.6	-58.3	1.57	7.49	H
									H
									H
									H
									H
	1696	-53.98	-13	-40.98	-63.91	-55.58	1.00	4.75	V
	2538	-55.58	-13	-42.58	-69.5	-57.56	1.30	5.43	V
	3384	-53.74	-13	-40.74	-69.88	-57.51	1.57	7.49	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)
Highest	1688	-56.04	-13	-43.04	-65.98	-57.67	1.00	4.77	H
	2536	-51.64	-13	-38.64	-65.55	-53.62	1.30	5.43	H
	3376	-54.37	-13	-41.37	-70.44	-58.11	1.57	7.45	H
									H
									H
									H
									H
	1688	-56.19	-13	-43.19	-66.07	-57.82	1.00	4.77	V
	2536	-55.33	-13	-42.33	-69.25	-57.31	1.30	5.43	V
	3376	-53.94	-13	-40.94	-70.08	-57.68	1.57	7.45	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)
Highest	1680	-54.97	-13	-41.97	-64.91	-56.62	0.99	4.80	H
	2520	-50.19	-13	-37.19	-64.05	-52.16	1.30	5.42	H
	3358	-53.45	-13	-40.45	-69.49	-57.12	1.56	7.38	H
									H
									H
									H
									H
	1680	-55.80	-13	-42.80	-65.68	-57.45	0.99	4.80	V
	2520	-50.52	-13	-37.52	-64.4	-52.49	1.30	5.42	V
	3358	-53.82	-13	-40.82	-69.91	-57.49	1.56	7.38	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / 16QAM									
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	1555	-58.54	-13	-45.54	-68.02	-60.60	0.94	5.15	H
	2328	-56.17	-13	-43.17	-69.10	-57.67	1.24	4.88	H
	3112	-52.68	-13	-39.68	-68.41	-55.34	1.48	6.29	H
									H
									H
									H
									H
	1555	-58.62	-13	-45.62	-67.96	-60.68	0.94	5.15	V
	2328	-52.32	-13	-39.32	-65.26	-53.82	1.24	4.88	V
	3112	-53.72	-13	-40.72	-69.18	-56.38	1.48	6.29	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / 16QAM									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-58.38	-13	-45.38	-67.75	-60.44	0.94	5.15	H
	2328	-55.52	-13	-42.52	-68.45	-57.02	1.24	4.88	H
	3112	-54.53	-13	-41.53	-70.31	-57.19	1.48	6.29	H
									H
									H
									H
									H
	1555	-58.43	-13	-45.43	-67.77	-60.49	0.94	5.15	V
	2328	-52.90	-13	-39.90	-65.85	-54.4	1.24	4.88	V
	3112	-54.46	-13	-41.46	-69.98	-57.12	1.48	6.29	V
									V
									V
									V
									V

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



LTE Band 17

LTE Band 17 / 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	1408	-59.32	-13	-46.32	-67.51	-61.03	0.87	4.73	H
	2112	-57.50	-13	-44.50	-69.24	-58.42	1.17	4.24	H
	2816	-54.36	-13	-41.36	-69.18	-56.47	1.39	5.65	H
									H
									H
									H
									H
	1408	-58.18	-13	-45.18	-66.35	-59.89	0.87	4.73	V
	2112	-57.58	-13	-44.58	-69.31	-58.50	1.17	4.24	V
	2816	-54.76	-13	-41.76	-69.31	-56.87	1.39	5.65	V
									V
									V
									V
									V

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



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	1408	-58.82	-13	-45.82	-67.12	-60.53	0.87	4.73	H
	2112	-57.60	-13	-44.60	-69.34	-58.52	1.17	4.24	H
	2816	-53.63	-13	-40.63	-68.62	-55.74	1.39	5.65	H
									H
									H
									H
									H
	1408	-58.80	-13	-45.80	-66.83	-60.51	0.87	4.73	V
	2112	-57.32	-13	-44.32	-69.05	-58.24	1.17	4.24	V
	2816	-54.30	-13	-41.30	-68.87	-56.41	1.39	5.65	V
									V
									V
									V
									V

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