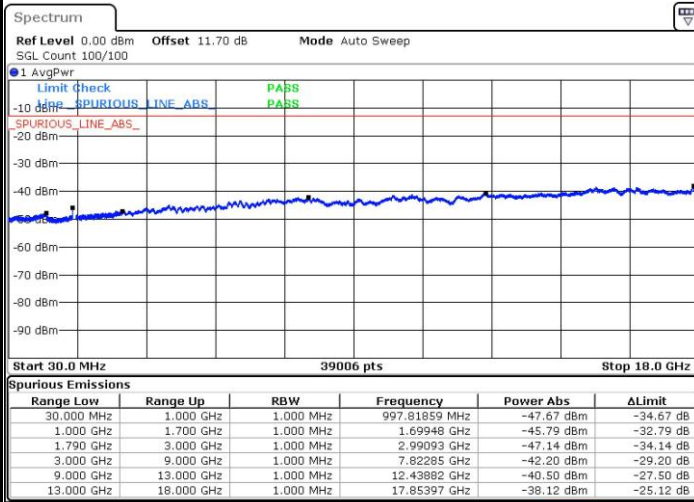




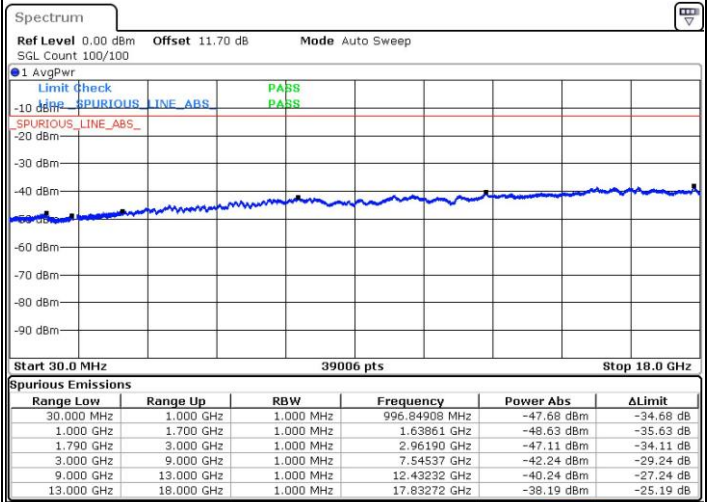
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



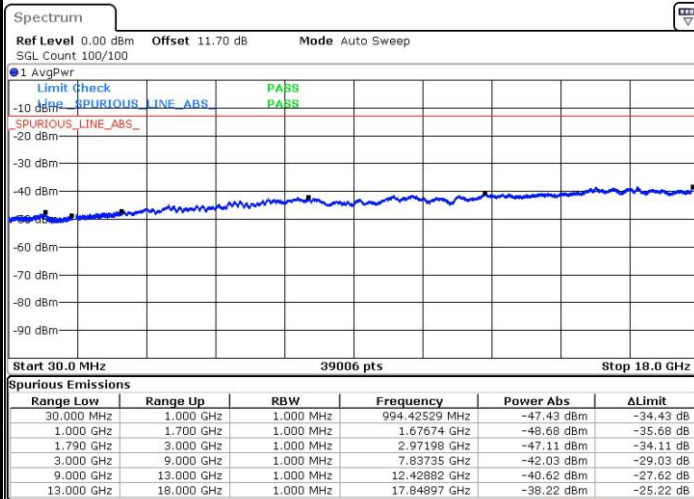
Date: 5.FEB.2019 16:40:39

Middle Channel / 64QAM



Date: 5.FEB.2019 16:41:43

Highest Channel / 64QAM

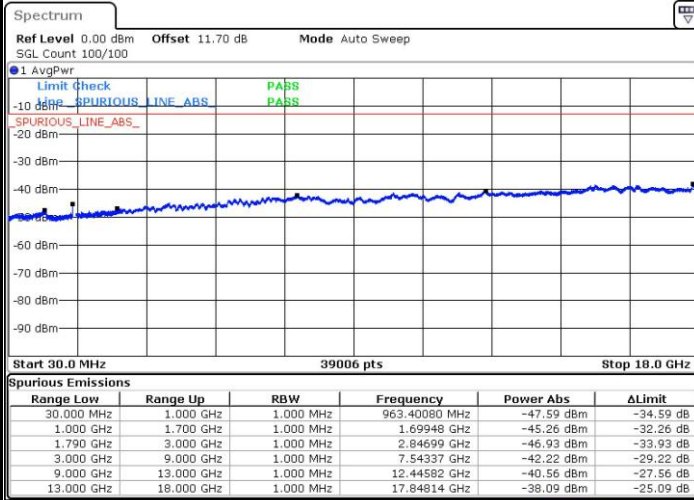


Date: 5.FEB.2019 16:44:47



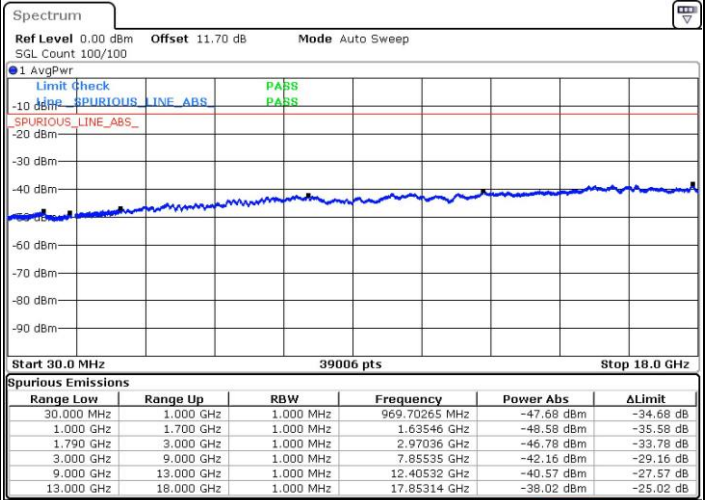
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



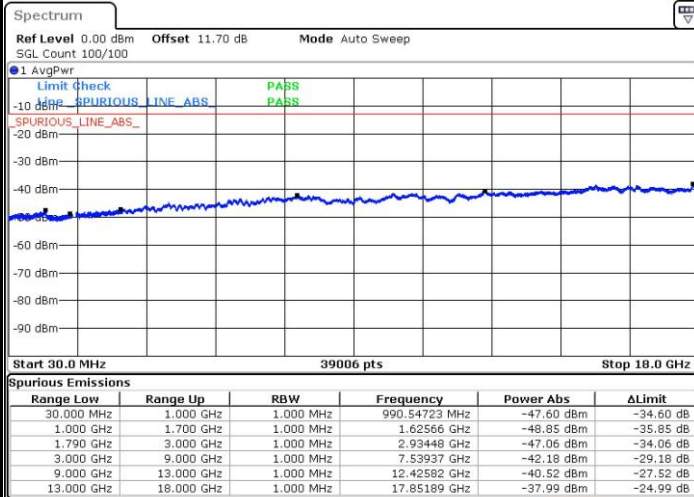
Date: 5.FEB.2019 16:47:52

Middle Channel / 64QAM



Date: 5.FEB.2019 16:48:56

Highest Channel / 64QAM

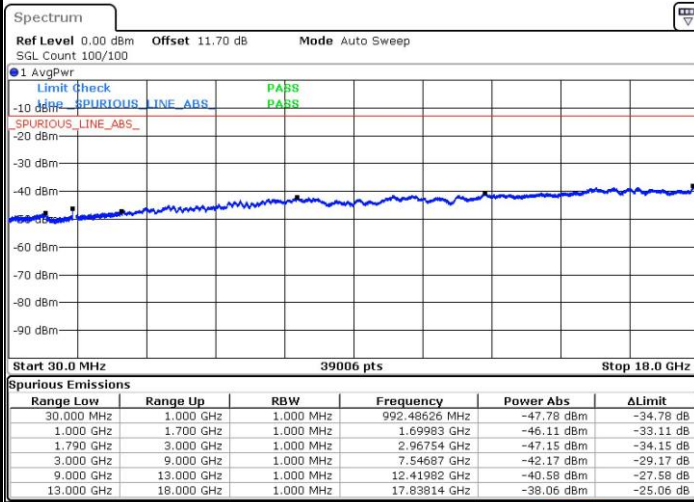


Date: 5.FEB.2019 16:52:00



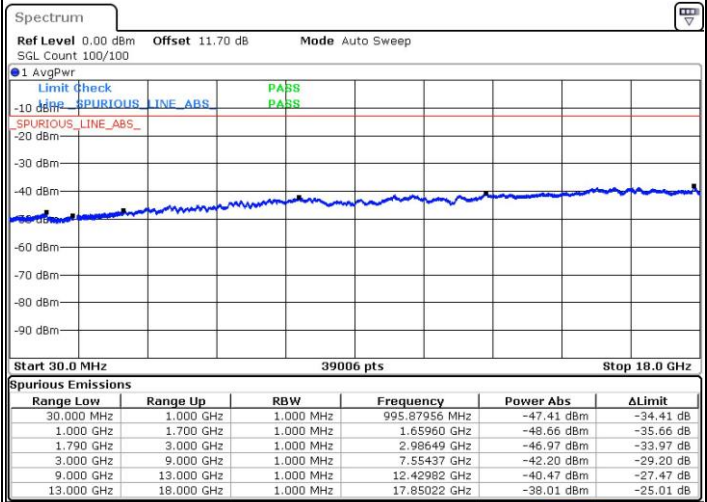
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



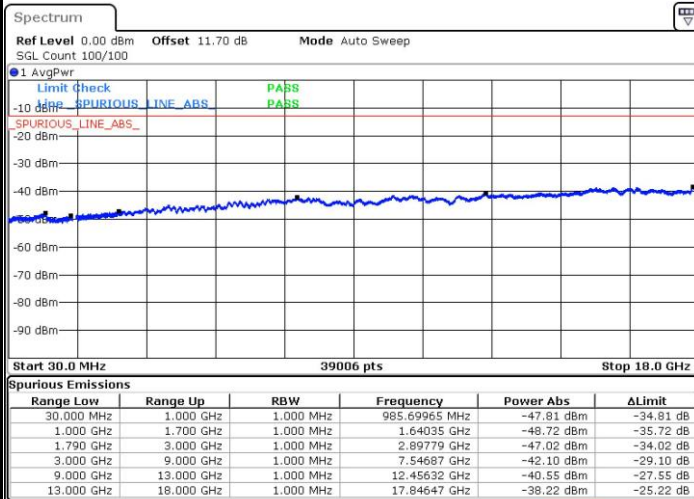
Date: 5.FEB.2019 16:55:04

Middle Channel / 64QAM



Date: 5.FEB.2019 16:56:08

Highest Channel / 64QAM

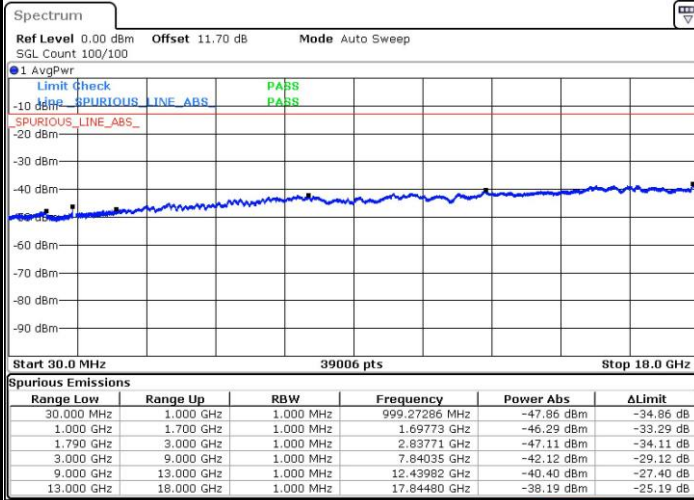


Date: 5.FEB.2019 16:59:12



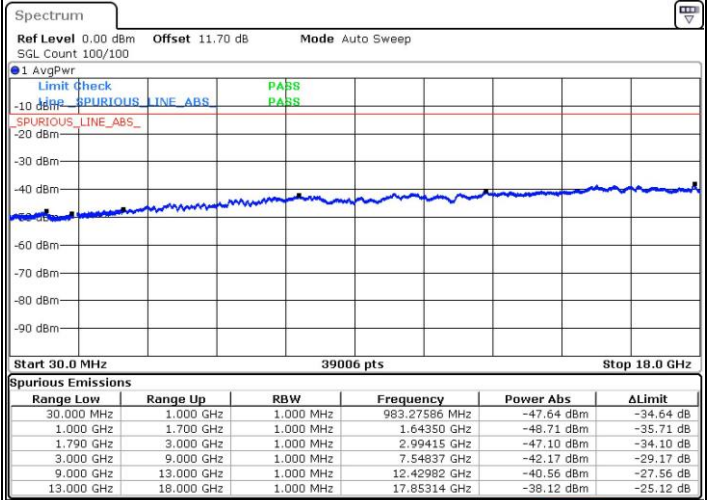
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



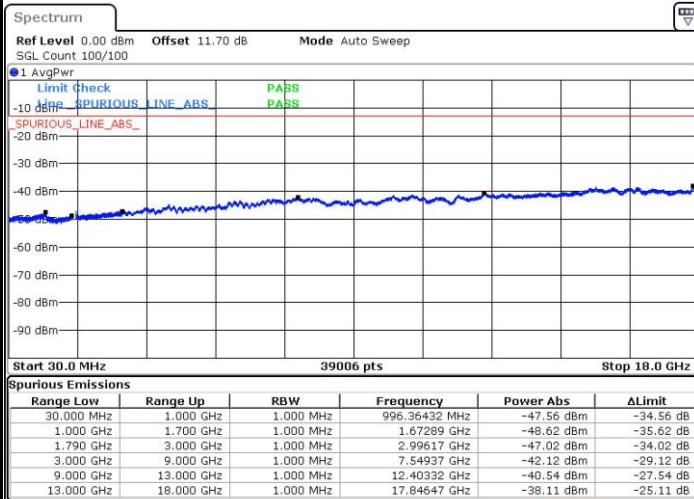
Date: 5.FEB.2019 17:02:16

Middle Channel / 64QAM



Date: 5.FEB.2019 17:03:20

Highest Channel / 64QAM

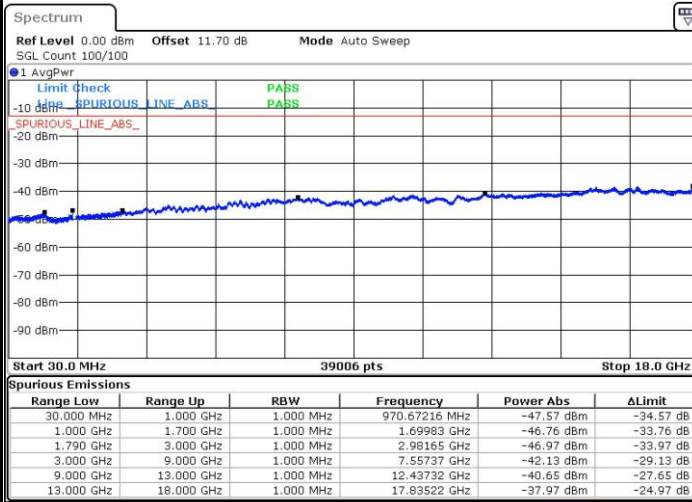


Date: 5.FEB.2019 17:06:25



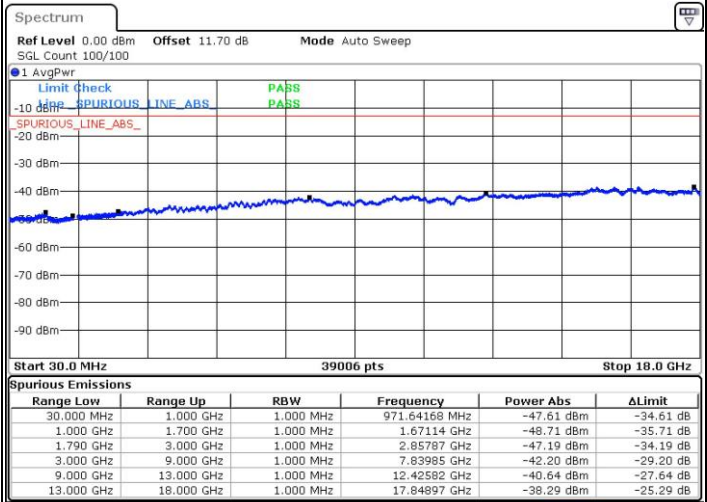
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



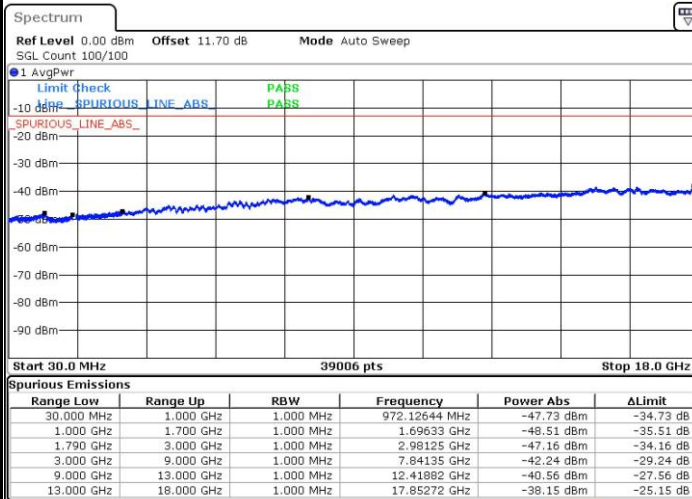
Date: 5.FEB.2019 17:09:29

Middle Channel / 64QAM



Date: 5.FEB.2019 17:10:33

Highest Channel / 64QAM



Date: 5.FEB.2019 17:13:37

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0080	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0065	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0070	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 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 = -2.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	22.76	0.1888	20.26	0.1062
Middle		3	0	22.61	0.1824	20.11	0.1026
Highest		3	0	22.59	0.1816	20.09	0.1021
Lowest	16QAM	1	3	22.09	0.1618	19.59	0.0910
Middle		1	3	21.92	0.1556	19.42	0.0875
Highest		1	3	21.98	0.1578	19.48	0.0887
Lowest	64QAM	1	3	21.01	0.1262	18.51	0.0710
Middle		1	3	20.87	0.1222	18.37	0.0687
Highest		1	3	20.90	0.1230	18.40	0.0692
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -2.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.77	0.1892	20.27	0.1064
Middle		1	0	22.62	0.1828	20.12	0.1028
Highest		1	0	22.65	0.1841	20.15	0.1035
Lowest	16QAM	1	8	22.10	0.1622	19.60	0.0912
Middle		1	8	21.92	0.1556	19.42	0.0875
Highest		1	8	22.00	0.1585	19.50	0.0891
Lowest	64QAM	1	0	20.99	0.1256	18.49	0.0706
Middle		1	0	20.86	0.1219	18.36	0.0685
Highest		1	0	20.87	0.1222	18.37	0.0687
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -2.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.74	0.1879	20.24	0.1057
Middle		1	12	22.53	0.1791	20.03	0.1007
Highest		1	12	22.59	0.1816	20.09	0.1021
Lowest	16QAM	1	0	22.07	0.1611	19.57	0.0906
Middle		1	0	21.90	0.1549	19.40	0.0871
Highest		1	0	21.92	0.1556	19.42	0.0875
Lowest	64QAM	1	0	20.98	0.1253	18.48	0.0705
Middle		1	0	20.81	0.1205	18.31	0.0678
Highest		1	0	20.84	0.1213	18.34	0.0682
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = -2.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.74	0.1879	20.24	0.1057
Middle		1	0	22.75	0.1884	20.25	0.1059
Highest		1	0	22.72	0.1871	20.22	0.1052
Lowest	16QAM	1	0	21.92	0.1556	19.42	0.0875
Middle		1	0	22.01	0.1589	19.51	0.0893
Highest		1	0	22.03	0.1596	19.53	0.0897
Lowest	64QAM	1	0	20.87	0.1222	18.37	0.0687
Middle		1	0	20.87	0.1222	18.37	0.0687
Highest		1	0	20.96	0.1247	18.46	0.0701
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -2.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.70	0.1862	20.20	0.1047
Middle		1	0	22.59	0.1816	20.09	0.1021
Highest		1	0	22.52	0.1786	20.02	0.1005
Lowest	16QAM	1	0	21.98	0.1578	19.48	0.0887
Middle		1	0	21.90	0.1549	19.40	0.0871
Highest		1	0	21.86	0.1535	19.36	0.0863
Lowest	64QAM	1	0	20.92	0.1236	18.42	0.0695
Middle		1	0	20.87	0.1222	18.37	0.0687
Highest		1	0	20.78	0.1197	18.28	0.0673
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -2.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.79	0.1901	20.29	0.1069
Middle		1	0	22.68	0.1854	20.18	0.1042
Highest		1	0	22.58	0.1811	20.08	0.1019
Lowest	16QAM	1	0	22.32	0.1706	19.82	0.0959
Middle		1	0	22.03	0.1596	19.53	0.0897
Highest		1	0	21.91	0.1552	19.41	0.0873
Lowest	64QAM	1	0	20.70	0.1175	18.20	0.0661
Middle		1	0	20.93	0.1239	18.43	0.0697
Highest		1	0	20.81	0.1205	18.31	0.0678
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.74	0.1879	21.24	0.1330
Middle		1	3	22.60	0.1820	21.10	0.1288
Highest		1	3	22.72	0.1871	21.22	0.1324
Lowest	16QAM	1	3	22.10	0.1622	20.60	0.1148
Middle		1	3	21.92	0.1556	20.42	0.1102
Highest		1	3	22.03	0.1596	20.53	0.1130
Lowest	64QAM	1	3	20.97	0.1250	19.47	0.0885
Middle		1	3	20.83	0.1211	19.33	0.0857
Highest		1	3	20.93	0.1239	19.43	0.0877
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.71	0.1866	21.21	0.1321
Middle		1	0	22.61	0.1824	21.11	0.1291
Highest		1	0	22.71	0.1866	21.21	0.1321
Lowest	16QAM	1	8	22.08	0.1614	20.58	0.1143
Middle		1	8	21.87	0.1538	20.37	0.1089
Highest		1	8	22.05	0.1603	20.55	0.1135
Lowest	64QAM	1	8	20.96	0.1247	19.46	0.0883
Middle		1	8	20.85	0.1216	19.35	0.0861
Highest		1	8	20.96	0.1247	19.46	0.0883
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.69	0.1858	21.19	0.1315
Middle		1	0	22.54	0.1795	21.04	0.1271
Highest		1	0	22.71	0.1866	21.21	0.1321
Lowest	16QAM	1	0	21.98	0.1578	20.48	0.1117
Middle		1	0	21.85	0.1531	20.35	0.1084
Highest		1	0	22.03	0.1596	20.53	0.1130
Lowest	64QAM	1	12	20.92	0.1236	19.42	0.0875
Middle		1	12	20.83	0.1211	19.33	0.0857
Highest		1	12	20.96	0.1247	19.46	0.0883
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.72	0.1871	21.22	0.1324
Middle		1	0	22.64	0.1837	21.14	0.1300
Highest		1	0	22.69	0.1858	21.19	0.1315
Lowest	16QAM	1	0	22.13	0.1633	20.63	0.1156
Middle		1	0	21.98	0.1578	20.48	0.1117
Highest		1	0	22.00	0.1585	20.50	0.1122
Lowest	64QAM	1	0	21.03	0.1268	19.53	0.0897
Middle		1	0	20.87	0.1222	19.37	0.0865
Highest		1	0	20.90	0.1230	19.40	0.0871
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.70	0.1862	21.20	0.1318
Middle		1	0	22.63	0.1832	21.13	0.1297
Highest		1	0	22.53	0.1791	21.03	0.1268
Lowest	16QAM	1	0	22.02	0.1592	20.52	0.1127
Middle		1	0	21.96	0.1570	20.46	0.1112
Highest		1	0	21.91	0.1552	20.41	0.1099
Lowest	64QAM	1	0	20.92	0.1236	19.42	0.0875
Middle		1	0	20.85	0.1216	19.35	0.0861
Highest		1	0	20.78	0.1197	19.28	0.0847
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.75	0.1884	21.25	0.1334
Middle		1	0	22.69	0.1858	21.19	0.1315
Highest		1	0	22.68	0.1854	21.18	0.1312
Lowest	16QAM	1	0	22.09	0.1618	20.59	0.1146
Middle		1	0	22.01	0.1589	20.51	0.1125
Highest		1	0	21.95	0.1567	20.45	0.1109
Lowest	64QAM	1	49	20.90	0.1230	19.40	0.0871
Middle		1	49	20.82	0.1208	19.32	0.0855
Highest		1	49	20.98	0.1253	19.48	0.0887
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -5.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.82	0.1914	15.17	0.0329
Middle		1	3	22.79	0.1901	15.14	0.0327
Highest		1	3	22.72	0.1871	15.07	0.0321
Lowest	16QAM	1	3	22.08	0.1614	14.43	0.0277
Middle		1	3	22.04	0.1600	14.39	0.0275
Highest		1	3	21.99	0.1581	14.34	0.0272
Lowest	64QAM	1	3	21.04	0.1271	13.39	0.0218
Middle		1	3	20.99	0.1256	13.34	0.0216
Highest		1	3	20.95	0.1245	13.30	0.0214
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -5.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.83	0.1919	15.18	0.0330
Middle		1	0	22.79	0.1901	15.14	0.0327
Highest		1	0	22.76	0.1888	15.11	0.0324
Lowest	16QAM	1	0	22.07	0.1611	14.42	0.0277
Middle		1	0	22.07	0.1611	14.42	0.0277
Highest		1	0	22.10	0.1622	14.45	0.0279
Lowest	64QAM	1	0	21.04	0.1271	13.39	0.0218
Middle		1	0	21.00	0.1259	13.35	0.0216
Highest		1	0	20.99	0.1256	13.34	0.0216
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -5.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.83	0.1919	15.18	0.0330
Middle		1	0	22.81	0.1910	15.16	0.0328
Highest		1	0	22.76	0.1888	15.11	0.0324
Lowest	16QAM	1	0	22.10	0.1622	14.45	0.0279
Middle		1	0	22.06	0.1607	14.41	0.0276
Highest		1	0	22.10	0.1622	14.45	0.0279
Lowest	64QAM	1	0	21.04	0.1271	13.39	0.0218
Middle		1	0	21.00	0.1259	13.35	0.0216
Highest		1	0	21.06	0.1276	13.41	0.0219
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -5.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.85	0.1928	15.20	0.0331
Middle		1	0	22.86	0.1932	15.21	0.0332
Highest		1	0	22.77	0.1892	15.12	0.0325
Lowest	16QAM	1	25	22.06	0.1607	14.41	0.0276
Middle		1	25	22.09	0.1618	14.44	0.0278
Highest		1	25	22.14	0.1637	14.49	0.0281
Lowest	64QAM	1	0	21.07	0.1279	13.42	0.0220
Middle		1	0	21.07	0.1279	13.42	0.0220
Highest		1	0	21.03	0.1268	13.38	0.0218
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.99	0.1991	16.99	0.0500
Middle		1	24	23.10	0.2042	17.10	0.0513
Highest		1	24	23.08	0.2032	17.08	0.0511
Lowest	16QAM	1	24	22.26	0.1683	16.26	0.0423
Middle		1	24	22.39	0.1734	16.39	0.0436
Highest		1	24	22.32	0.1706	16.32	0.0429
Lowest	64QAM	1	12	21.14	0.1300	15.14	0.0327
Middle		1	12	21.20	0.1318	15.20	0.0331
Highest		1	12	21.31	0.1352	15.31	0.0340
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.94	0.1968	16.94	0.0494
Middle		1	49	23.13	0.2056	17.13	0.0516
Highest		1	49	23.11	0.2046	17.11	0.0514
Lowest	16QAM	1	49	22.23	0.1671	16.23	0.0420
Middle		1	49	22.47	0.1766	16.47	0.0444
Highest		1	49	22.37	0.1726	16.37	0.0434
Lowest	64QAM	1	0	21.20	0.1318	15.20	0.0331
Middle		1	0	21.22	0.1324	15.22	0.0333
Highest		1	0	21.32	0.1355	15.32	0.0340
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.00	0.1995	17.00	0.0501
Middle		1	0	23.03	0.2009	17.03	0.0505
Highest		1	0	23.13	0.2056	17.13	0.0516
Lowest	16QAM	1	0	22.30	0.1698	16.30	0.0427
Middle		1	0	22.37	0.1726	16.37	0.0434
Highest		1	0	22.50	0.1778	16.50	0.0447
Lowest	64QAM	1	0	21.21	0.1321	15.21	0.0332
Middle		1	0	21.29	0.1346	15.29	0.0338
Highest		1	0	21.34	0.1361	15.34	0.0342
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	17.08	0.0511
Middle		1	0	23.01	0.2000	17.01	0.0502
Highest		1	0	23.14	0.2061	17.14	0.0518
Lowest	16QAM	1	0	22.42	0.1746	16.42	0.0439
Middle		1	0	22.26	0.1683	16.26	0.0423
Highest		1	0	22.44	0.1754	16.44	0.0441
Lowest	64QAM	1	0	21.29	0.1346	15.29	0.0338
Middle		1	0	21.19	0.1315	15.19	0.0330
Highest		1	0	21.23	0.1327	15.23	0.0333
Limit	EIRP < 2W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = -4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.56	0.1803	16.41	0.0438
Middle		1	24	22.44	0.1754	16.29	0.0426
Highest		1	24	22.35	0.1718	16.20	0.0417
Lowest	16QAM	1	12	21.69	0.1476	15.54	0.0358
Middle		1	12	21.79	0.1510	15.64	0.0366
Highest		1	12	21.74	0.1493	15.59	0.0362
Lowest	64QAM	1	24	20.74	0.1186	14.59	0.0288
Middle		1	24	20.66	0.1164	14.51	0.0282
Highest		1	24	20.56	0.1138	14.41	0.0276
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = -4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	22.57	0.1807	16.42	0.0439
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	21.74	0.1493	15.59	0.0362
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	25	20.70	0.1175	14.55	0.0285
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = -1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.50	0.1778	21.10	0.1288
Middle		1	3	22.53	0.1791	21.13	0.1297
Highest		1	3	22.36	0.1722	20.96	0.1247
Lowest	16QAM	1	3	21.75	0.1496	20.35	0.1084
Middle		1	3	21.78	0.1507	20.38	0.1091
Highest		1	3	21.70	0.1479	20.30	0.1072
Lowest	64QAM	1	3	20.73	0.1183	19.33	0.0857
Middle		1	3	20.75	0.1189	19.35	0.0861
Highest		1	3	20.59	0.1146	19.19	0.0830
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = -1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	4	22.44	0.1754	21.04	0.1271
Middle		8	4	22.53	0.1791	21.13	0.1297
Highest		8	4	22.34	0.1714	20.94	0.1242
Lowest	16QAM	1	14	21.67	0.1469	20.27	0.1064
Middle		1	14	21.70	0.1479	20.30	0.1072
Highest		1	14	21.53	0.1422	20.13	0.1030
Lowest	64QAM	1	8	20.68	0.1169	19.28	0.0847
Middle		1	8	20.68	0.1169	19.28	0.0847
Highest		1	8	20.59	0.1146	19.19	0.0830
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.49	0.1774	21.09	0.1285
Middle		1	12	22.52	0.1786	21.12	0.1294
Highest		1	12	22.36	0.1722	20.96	0.1247
Lowest	16QAM	1	12	21.80	0.1514	20.40	0.1096
Middle		1	12	21.80	0.1514	20.40	0.1096
Highest		1	12	21.73	0.1489	20.33	0.1079
Lowest	64QAM	1	12	20.74	0.1186	19.34	0.0859
Middle		1	12	20.77	0.1194	19.37	0.0865
Highest		1	12	20.76	0.1191	19.36	0.0863
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = -1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.47	0.1766	21.07	0.1279
Middle		1	25	22.48	0.1770	21.08	0.1282
Highest		1	25	22.27	0.1687	20.87	0.1222
Lowest	16QAM	1	25	21.72	0.1486	20.32	0.1076
Middle		1	25	21.75	0.1496	20.35	0.1084
Highest		1	25	21.74	0.1493	20.34	0.1081
Lowest	64QAM	1	25	20.64	0.1159	19.24	0.0839
Middle		1	25	20.72	0.1180	19.32	0.0855
Highest		1	25	20.63	0.1156	19.23	0.0838
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.47	0.1766	21.07	0.1279
Middle		1	0	22.59	0.1816	21.19	0.1315
Highest		1	0	22.35	0.1718	20.95	0.1245
Lowest	16QAM	1	0	21.78	0.1507	20.38	0.1091
Middle		1	0	21.92	0.1556	20.52	0.1127
Highest		1	0	21.68	0.1472	20.28	0.1067
Lowest	64QAM	1	0	20.72	0.1180	19.32	0.0855
Middle		1	0	20.82	0.1208	19.42	0.0875
Highest		1	0	20.60	0.1148	19.20	0.0832
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.60	0.1820	21.20	0.1318
Middle		1	0	22.59	0.1816	21.19	0.1315
Highest		1	0	22.43	0.1750	21.03	0.1268
Lowest	16QAM	1	49	21.81	0.1517	20.41	0.1099
Middle		1	49	21.86	0.1535	20.46	0.1112
Highest		1	49	21.69	0.1476	20.29	0.1069
Lowest	64QAM	1	49	20.73	0.1183	19.33	0.0857
Middle		1	49	20.88	0.1225	19.48	0.0887
Highest		1	49	20.67	0.1167	19.27	0.0845
Limit	EIRP < 1W			Result		PASS	

**Radiated Spurious Emission**

<Open Mode>

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-49.77	-13	-36.77	-71.42	-56.34	1.67	8.24	H
	5553	-51.77	-13	-38.77	-77.75	-58.84	2.66	9.72	H
	7404	-50.63	-13	-37.63	-78.98	-59.78	2.46	11.61	H
									H
									H
									H
	3702	-53.87	-13	-40.87	-75.46	-60.44	1.67	8.24	V
	5553	-51.91	-13	-38.91	-78.19	-58.98	2.66	9.72	V
	7404	-49.81	-13	-36.81	-78.71	-58.96	2.46	11.61	V
									V
									V
									V
Middle	3742	-56.37	-13	-43.37	-77.21	-62.98	1.68	8.29	H
	5613	-49.41	-13	-36.41	-75.78	-56.47	2.69	9.75	H
	7484	-49.78	-13	-36.78	-78.83	-59.11	2.43	11.77	H
									H
									H
									H
	3742	-56.75	-13	-43.75	-77.97	-63.36	1.68	8.29	V
	5613	-50.98	-13	-37.98	-77.31	-58.04	2.69	9.75	V
	7484	-49.40	-13	-36.40	-78.4	-58.73	2.43	11.77	V
									V
									V
									V



Highest	3782	-52.32	-13	-39.32	-73.85	-58.97	1.69	8.34	H
	5673	-50.39	-13	-37.39	-76.95	-57.43	2.72	9.77	H
	7564	-49.06	-13	-36.06	-78.37	-58.49	2.41	11.84	H
									H
									H
									H
									H
	3782	-56.74	-13	-43.74	-77.44	-63.39	1.69	8.34	V
	5673	-51.77	-13	-38.77	-78.07	-58.81	2.72	9.77	V
	7564	-48.98	-13	-35.98	-78.02	-58.41	2.41	11.84	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 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-50.52	-13	-37.52	-71.46	-56.59	1.58	7.65	H
	5136	-34.44	-13	-21.44	-58.76	-41.72	2.42	9.70	H
	6840	-51.80	-13	-38.80	-78.85	-59.77	2.64	10.61	H
									H
									H
									H
									H
	3420	-53.24	-13	-40.24	-74.25	-59.31	1.58	7.65	V
	5136	-40.72	-13	-27.72	-64.89	-48	2.42	9.70	V
	6840	-51.95	-13	-38.95	-78.97	-59.92	2.64	10.61	V
									V
									V
									V
									V
Middle	3450	-53.42	-13	-40.42	-74.55	-59.61	1.59	7.78	H
	5172	-30.53	-13	-17.53	-54.9	-37.79	2.44	9.70	H
	6894	-51.89	-13	-38.89	-78.93	-59.94	2.62	10.67	H
									H
									H
									H
									H
	3450	-53.83	-13	-40.83	-74.85	-60.02	1.59	7.78	V
	5172	-34.86	-13	-21.86	-59.21	-42.12	2.44	9.70	V
	6894	-50.44	-13	-37.44	-77.6	-58.49	2.62	10.67	V
									V
									V
									V
									V



Highest	3474	-52.15	-13	-39.15	-73.4	-58.44	1.60	7.89	H
	5208	-44.52	-13	-31.52	-69.02	-51.76	2.46	9.70	H
	6948	-51.76	-13	-38.76	-79	-59.89	2.61	10.74	H
									H
									H
									H
									H
	3474	-54.24	-13	-41.24	-75.39	-60.53	1.60	7.89	V
	5208	-44.31	-13	-31.31	-68.94	-51.55	2.46	9.70	V
	6948	-51.73	-13	-38.73	-78.87	-59.86	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 / 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	1649	-64.07	-13	-51.07	-64.51	-65.82	0.98	4.88	H
	2473	-59.48	-13	-46.48	-60.22	-61.37	1.28	5.32	H
	3298	-58.09	-13	-45.09	-59.11	-61.51	1.54	7.11	H
									H
									H
									H
									H
	1649	-63.75	-13	-50.75	-64.04	-65.5	0.98	4.88	V
	2473	-59.12	-13	-46.12	-60.13	-61.01	1.28	5.32	V
	3298	-57.66	-13	-44.66	58.54	-61.08	1.54	7.11	V
									V
									V
									V
									V
Middle	1664	-63.76	-13	-50.76	-76.11	-65.47	0.98	4.84	H
	2496	-59.96	-13	-46.96	-77.7	-61.91	1.29	5.39	H
	3328	-58.62	-13	-45.62	-78.2	-62.16	1.55	7.24	H
									H
									H
									H
									H
	1664	-63.40	-13	-50.40	-76.19	-65.11	0.98	4.84	V
	2496	-59.43	-13	-46.43	-77.46	-61.38	1.29	5.39	V
	3328	-58.32	-13	-45.32	-78.54	-61.86	1.55	7.24	V
									V
									V
									V
									V



Highest	1679	-63.75	-13	-50.75	-76.37	-65.41	0.99	4.80	H
	2518	-60.23	-13	-47.23	-77.72	-62.2	1.30	5.41	H
	3358	-58.07	-13	-45.07	-78.73	-61.74	1.56	7.38	H
									H
									H
									H
									H
	1679	-63.38	-13	-50.38	-76.44	-65.04	0.99	4.80	V
	2518	-59.68	-13	-46.68	-77.5	-61.65	1.30	5.41	V
	3358	-58.06	-13	-45.06	-78.76	-61.73	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 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	5002	-55.72	-25	-30.72	-79.71	-63.08	2.34	9.70	H
	7503	-52.71	-25	-27.71	-80.17	-62.08	2.43	11.80	H
	10004	-46.54	-25	-21.54	-78.3	-56.04	2.70	12.20	H
									H
									H
									H
									H
	5002	-55.26	-25	-30.26	-79.05	-62.62	2.34	9.70	V
	7503	-52.53	-25	-27.53	-80.23	-61.9	2.43	11.80	V
	10004	-46.54	-25	-21.54	-78.23	-56.04	2.70	12.20	V
									V
									V
									V
									V
Middle	5052	-54.18	-25	-29.18	-78.3	-61.51	2.37	9.70	H
	7578	-51.20	-25	-26.20	-78.84	-60.64	2.40	11.85	H
	10104	-46.40	-25	-21.40	-78.42	-55.95	2.70	12.24	H
									H
									H
									H
									H
	5052	-50.25	-25	-25.25	-80.19	-57.58	2.37	9.70	V
	7578	-51.39	-25	-26.39	-79.28	-60.83	2.40	11.85	V
	10104	-46.75	-25	-21.75	-79.68	-56.3	2.70	12.24	V
									V
									V
									V
									V



Highest	5102	-55.47	-25	-30.47	-79.73	-62.77	2.40	9.70	H
	7653	-49.16	-25	-24.16	-76.96	-58.67	2.38	11.89	H
	10204	-45.61	-25	-20.61	-77.87	-55.2	2.70	12.28	H
									H
									H
									H
									H
	5102	-55.46	-25	-30.46	-79.55	-62.76	2.40	9.70	V
	7653	-49.37	-25	-24.37	-77.44	-58.88	2.38	11.89	V
	10204	-45.52	-25	-20.52	-77.68	-55.11	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 13**

LTE Band 13 / 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	1554	-58.02	-13	-45.02	-69.52	-60.08	0.94	5.15	H
	2331	-59.68	-13	-46.68	-76.47	-61.19	1.24	4.89	H
	3109	-58.22	-13	-45.22	-77.80	-60.87	1.48	6.28	H
									H
									H
									H
									H
	1554	-57.38	-13	-44.38	-69.38	-59.44	0.94	5.15	V
	2331	-59.00	-13	-46.00	-76.67	-60.51	1.24	4.89	V
	3109	-57.61	-13	-44.61	-77.88	-60.26	1.48	6.28	V
									V
									V
									V
									V
Middle	1559	-62.54	-42.15	-20.39	-74.87	-64.59	0.94	5.13	H
	2339	-59.65	-13	-46.65	-76.66	-61.18	1.24	4.92	H
	3119	-58.50	-13	-45.50	-77.72	-61.19	1.48	6.32	H
									H
									H
									H
									H
	1559	-63.24	-42.15	-21.09	-75.24	-65.29	0.94	5.13	V
	2339	-59.37	-13	-46.37	-76.75	-60.90	1.24	4.92	V
	3119	-58.03	-13	-45.03	-77.98	-60.72	1.48	6.32	V
									V
									V
									V
									V



Highest	1564	-58.40	-42.15	-16.25	-69.92	-60.43	0.94	5.12	H
	2346	-60.02	-13	-47.02	-77.04	-61.57	1.24	4.94	H
	3129	-58.56	-13	-45.56	-77.79	-61.29	1.49	6.37	H
									H
									H
									H
									H
	1564	-58.00	-42.15	-15.85	-70.10	-60.03	0.94	5.12	V
	2346	-59.52	-13	-46.52	-76.95	-61.07	1.24	4.94	V
	3129	-57.93	-13	-44.93	-77.88	-60.66	1.49	6.37	V
									V
									V
									V
									V

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



LTE Band 13 / 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)
Middle	1555	-58.66	-13	-45.66	-70.17	-60.72	0.94	5.15	H
	2332	-59.79	-13	-46.79	-76.71	-61.3	1.24	4.90	H
	3110	-58.75	-13	-45.75	-77.85	-61.4	1.48	6.28	H
									H
									H
									H
									H
	1555	-57.12	-13	-44.12	-69.1	-59.18	0.94	5.15	V
	2332	-58.76	-13	-45.76	-76.07	-60.27	1.24	4.90	V
	3110	-57.81	-13	-44.81	-77.77	-60.46	1.48	6.28	V
									V
									V
									V
									V

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

**LTE Band 66**

LTE Band 66 / 20MHz / 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	3420	-54.26	-13	-41.26	-75.51	-60.33	1.58	7.65	H
	5130	-54.42	-13	-41.42	-79.55	-61.71	2.41	9.70	H
	6840	-51.79	-13	-38.79	-79.83	-59.76	2.64	10.61	H
									H
									H
									H
									H
	3420	-55.57	-13	-42.57	-76.9	-61.64	1.58	7.65	V
	5130	-53.97	-13	-40.97	-78.97	-61.26	2.41	9.70	V
	6840	-52.06	-13	-39.06	-80.05	-60.03	2.64	10.61	V
									V
									V
									V
									V
Middle	3474	-54.38	-13	-41.38	-76.06	-60.67	1.60	7.89	H
	5205	-53.68	-13	-40.68	-79	-60.92	2.46	9.70	H
	6940	-51.71	-13	-38.71	-79.77	-59.83	2.61	10.73	H
									H
									H
									H
									H
	3474	-55.12	-13	-42.12	-76.68	-61.41	1.60	7.89	V
	5205	-53.54	-13	-40.54	-78.68	-60.78	2.46	9.70	V
	6940	-51.59	-13	-38.59	-79.73	-59.71	2.61	10.73	V
									V
									V
									V
									V



Highest	3522	-55.28	-13	-42.28	-77.09	-61.7	1.61	8.03	H
	5310	-53.65	-13	-40.65	-79.26	-60.83	2.52	9.70	H
	7080	-52.36	-13	-39.36	-79.19	-60.76	2.56	10.96	H
									H
									H
									H
									H
	3522	-55.82	-13	-42.82	-77.41	-62.24	1.61	8.03	V
	5310	-51.58	-13	-38.58	-77.05	-58.76	2.52	9.70	V
	7080	-52.22	-13	-39.22	-79.16	-60.62	2.56	10.96	V
									V
									V
									V
									V

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



<Closs Mode>

LTE Band 13

LTE Band 13 / 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	1568	-61.53	-42.15	-19.38	-72.99	-63.55	0.94	5.11	H
	2353	-60.56	-13	-47.56	-77.66	-62.12	1.24	4.96	H
	3138	-59.16	-13	-46.16	-78.55	-61.93	1.49	6.41	H
									H
									H
									H
									H
	1568	-61.39	-42.15	-19.24	-73.37	-63.41	0.94	5.11	V
	2353	-59.99	-13	-46.99	-77.53	-61.55	1.24	4.96	V
	3138	-58.46	-13	-45.46	-78.46	-61.23	1.49	6.41	V
									V
									V
									V
									V

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

—————THE END—————