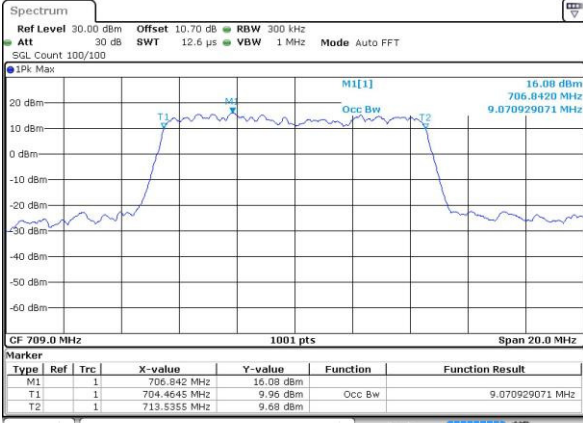




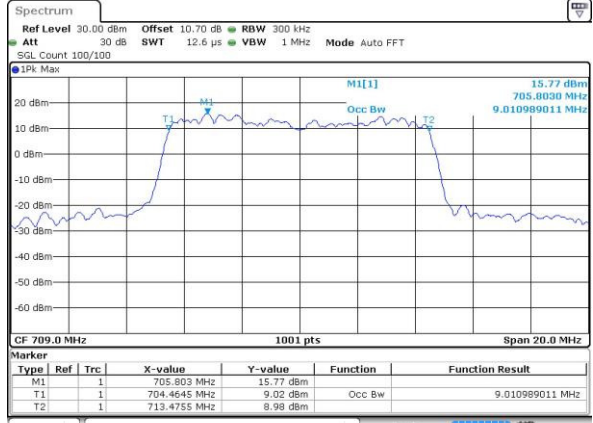
LTE Band 17

Lowest Channel / 10MHz / QPSK



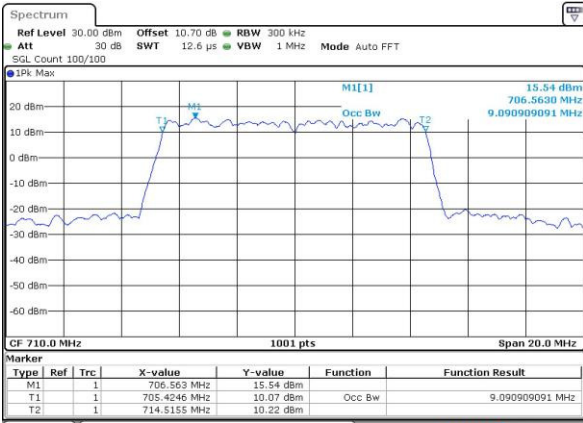
Date: 1 FEB 2017 02:29:39

Lowest Channel / 10MHz / 16QAM



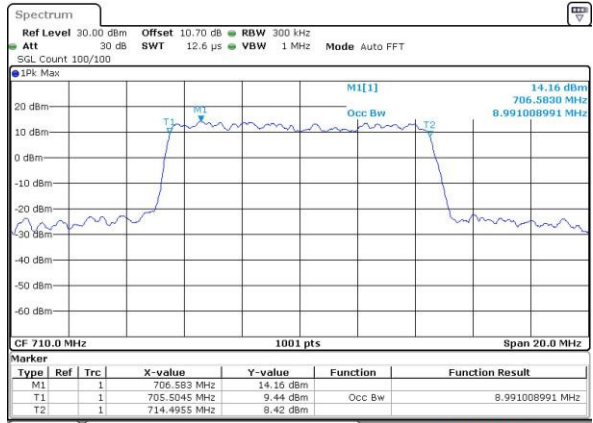
Date: 1 FEB 2017 02:29:50

Middle Channel / 10MHz / QPSK



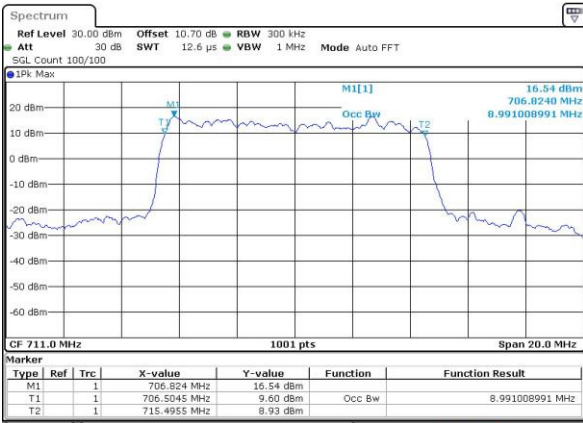
Date: 1 FEB 2017 02:36:46

Middle Channel / 10MHz / 16QAM



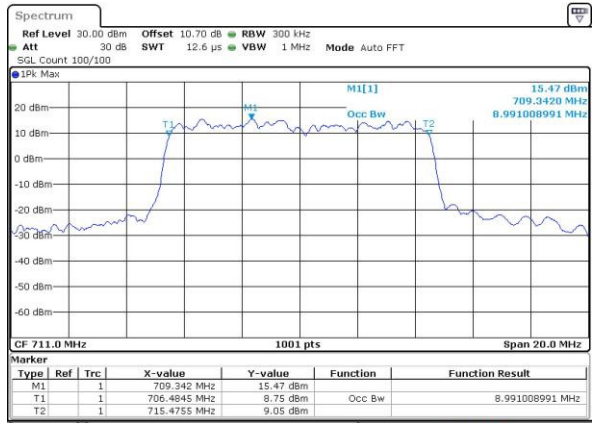
Date: 1 FEB 2017 02:36:56

Highest Channel / 10MHz / QPSK



Date: 1 FEB 2017 02:39:15

Highest Channel / 10MHz / 16QAM



Date: 1 FEB 2017 02:39:26



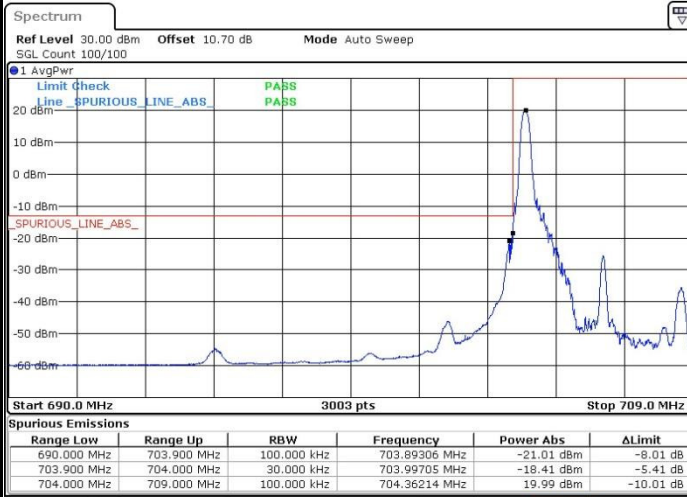
**Conducted Band Edge**



LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 1.FEB.2017 02:13:06



Date: 1.FEB.2017 02:23:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.FEB.2017 02:15:32

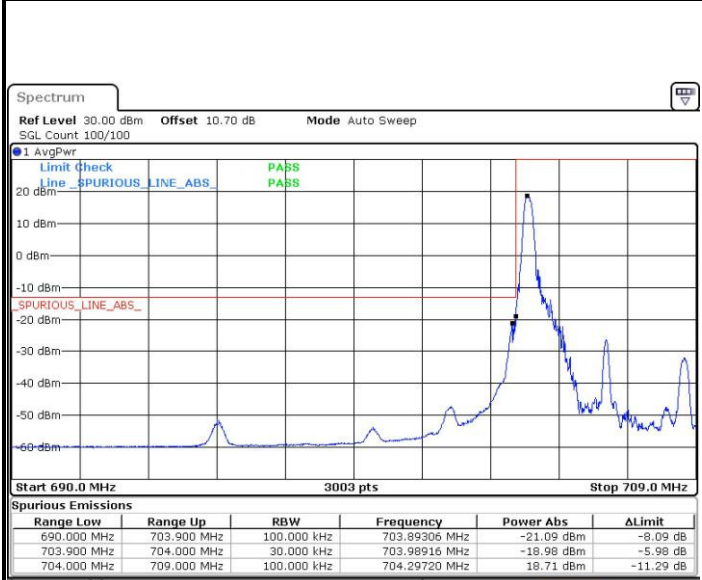


Date: 1.FEB.2017 02:26:07



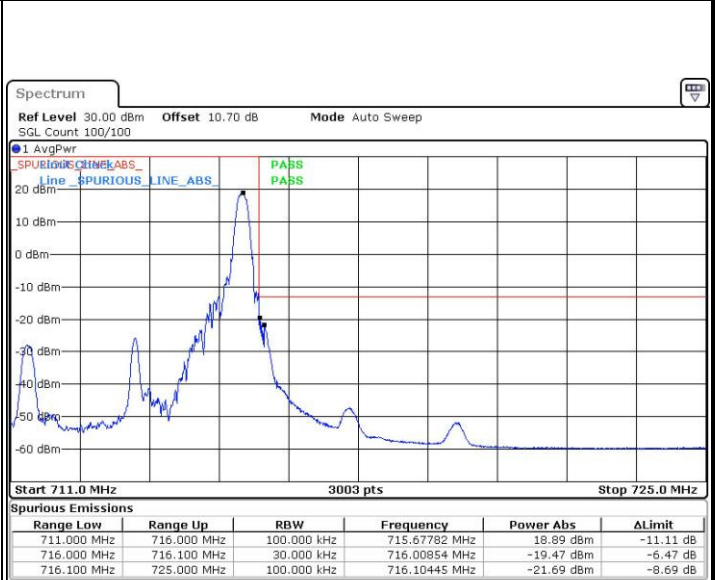
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



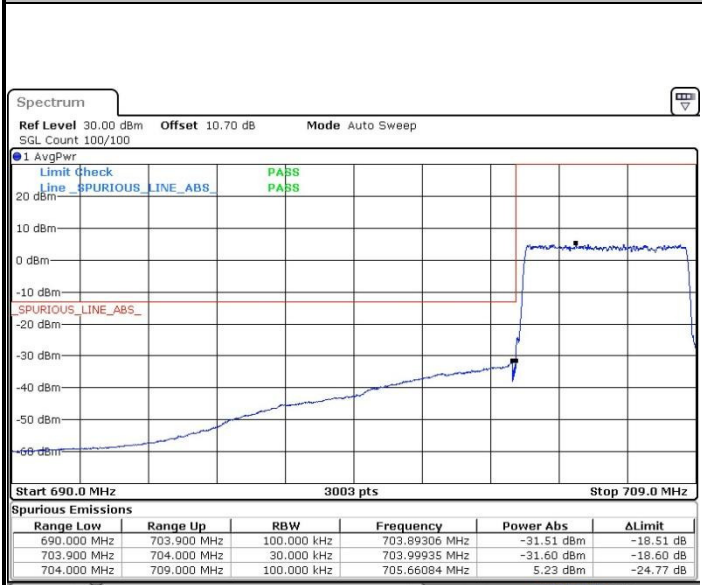
Date: 1.FEB.2017 02:14:20

Highest Band Edge / 1 RB



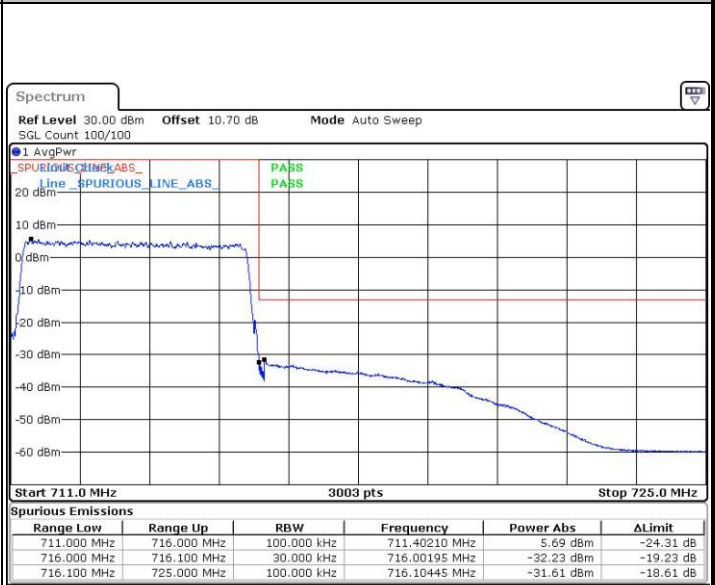
Date: 1.FEB.2017 02:24:55

Lowest Band Edge / Full RB



Date: 1.FEB.2017 02:16:45

Highest Band Edge / Full RB

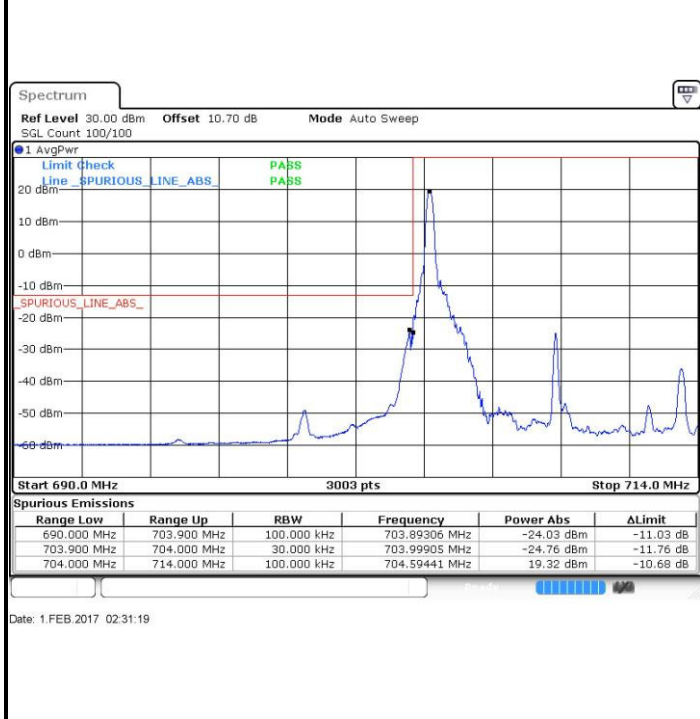


Date: 1.FEB.2017 02:27:21

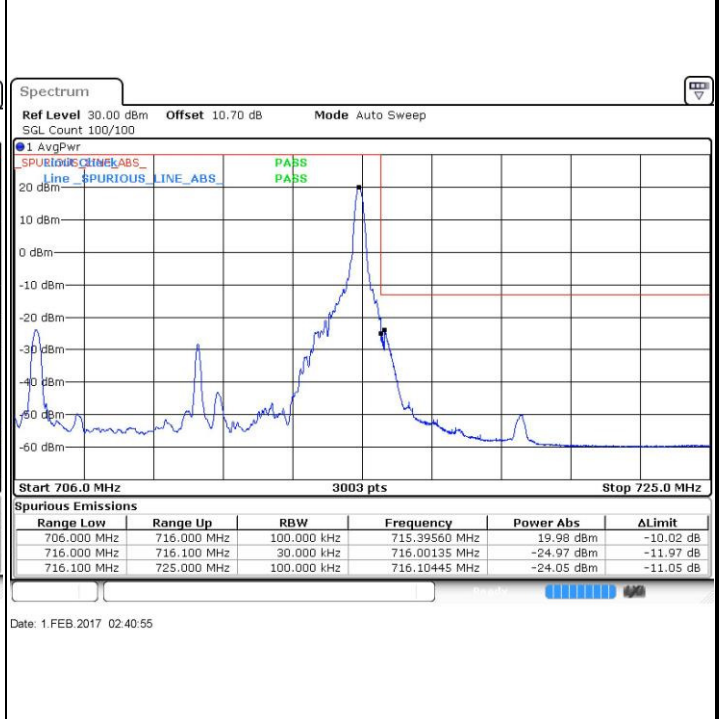


**LTE Band 17 / 10MHz / QPSK**

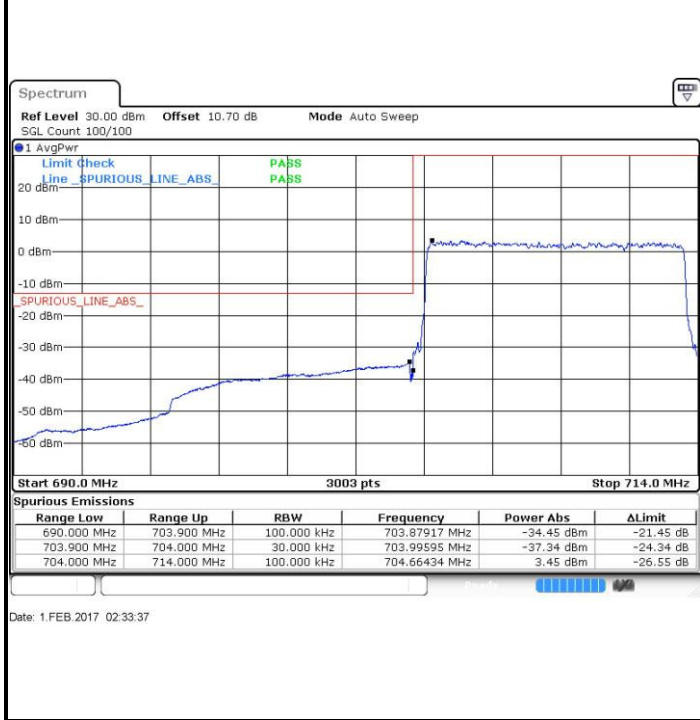
**Lowest Band Edge / 1 RB**



**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



**Highest Band Edge / Full RB**

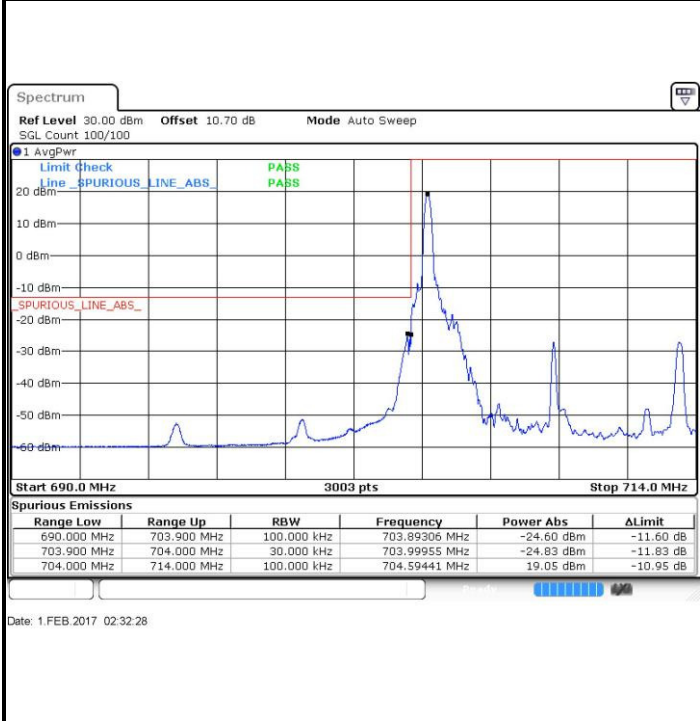




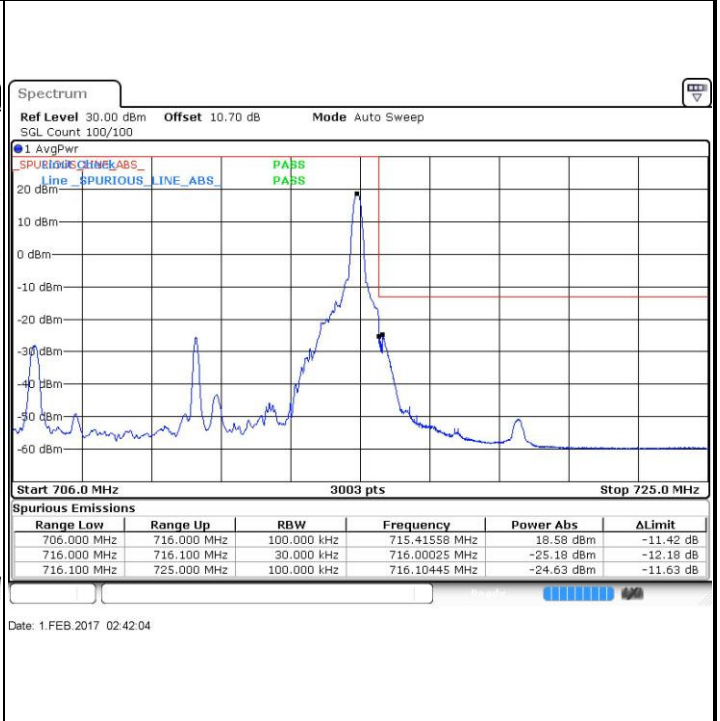


**LTE Band 17 / 10MHz / 16QAM**

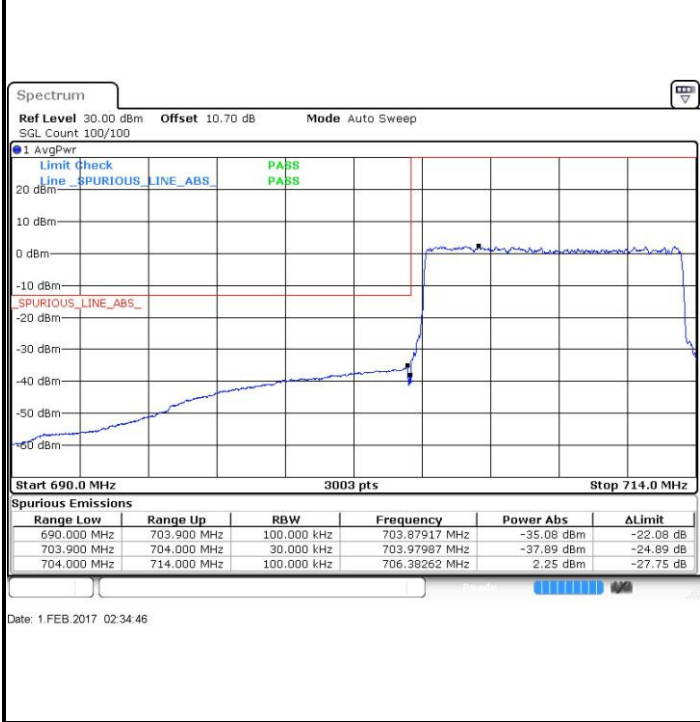
**Lowest Band Edge / 1 RB**



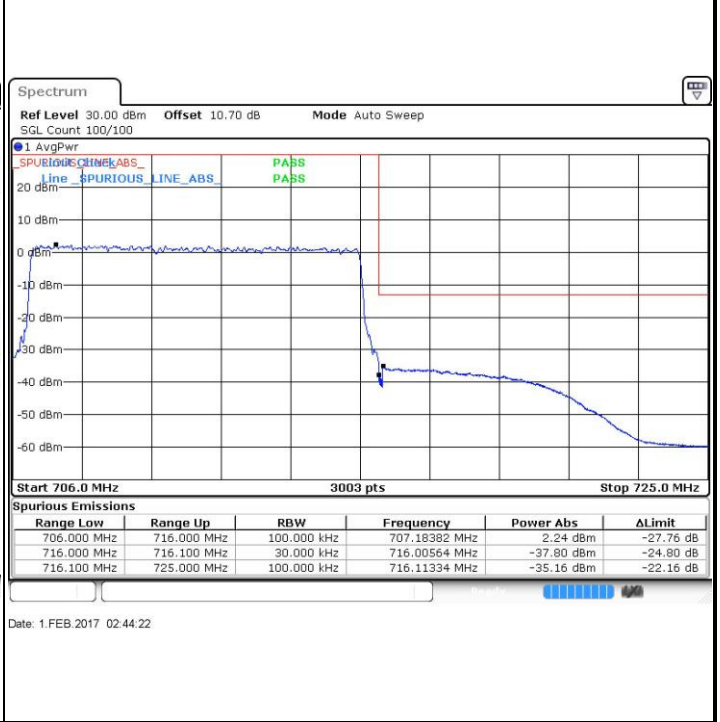
**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



**Highest Band Edge / Full RB**





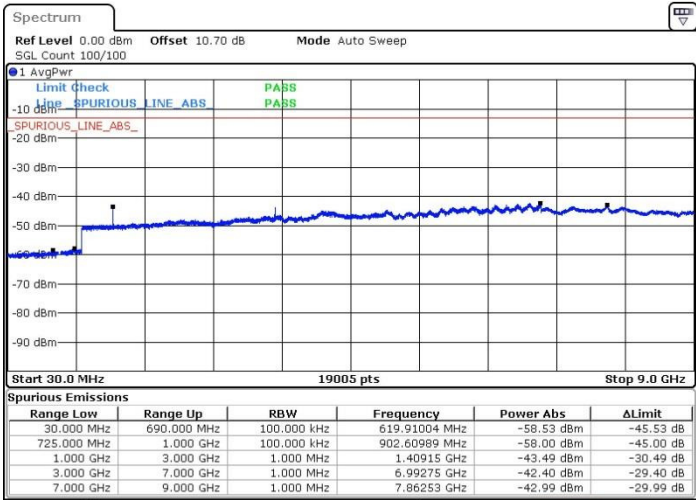
**Conducted Spurious Emission**



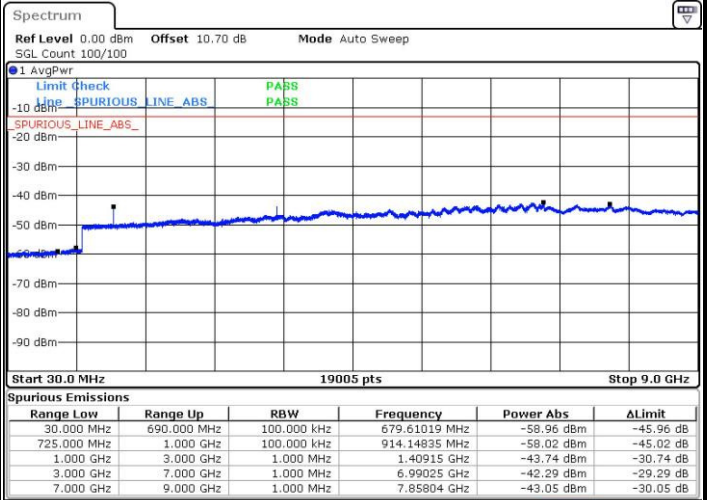
LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



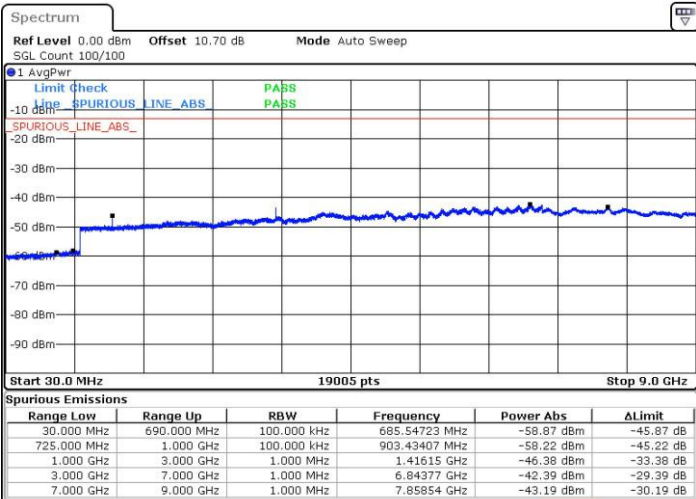
Date: 1.FEB.2017 02:17:50



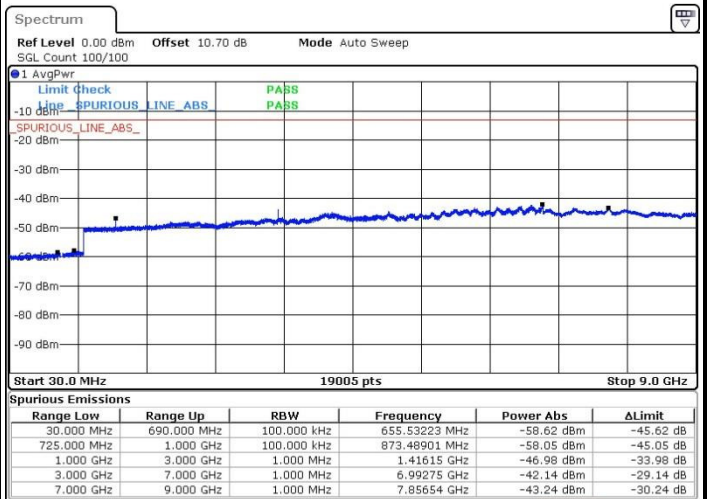
Date: 1.FEB.2017 02:18:55

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 1.FEB.2017 02:20:41



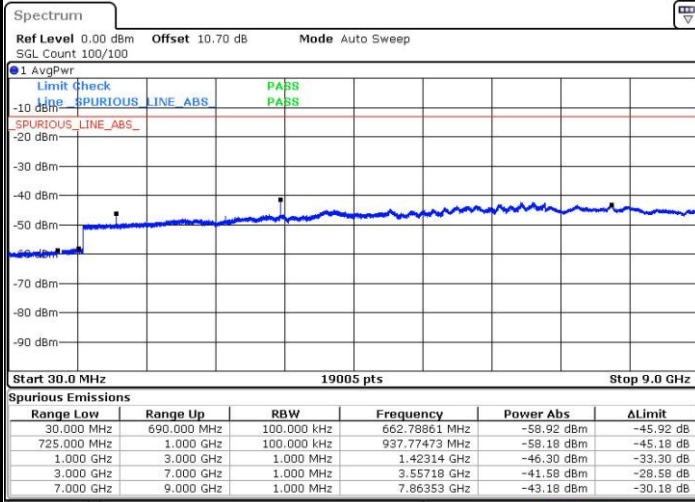
Date: 1.FEB.2017 02:21:46





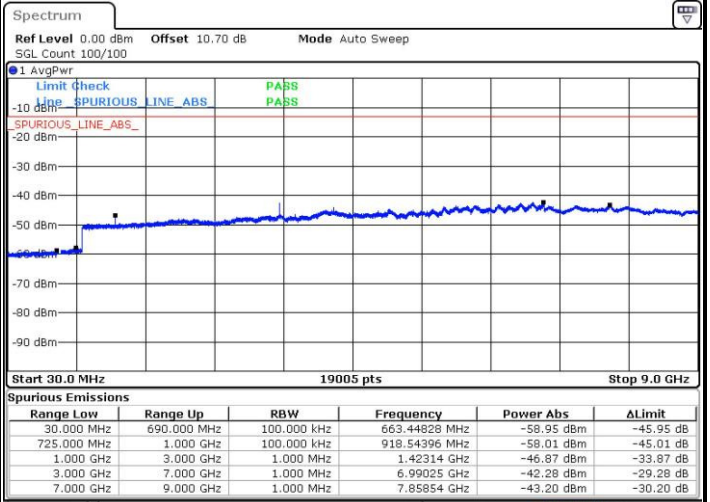
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 1.FEB.2017 02:28:26

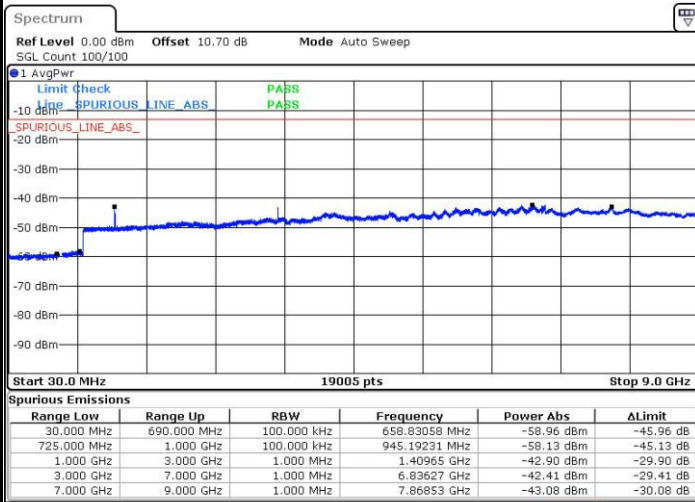
Highest Channel / 16QAM



Date: 1.FEB.2017 02:29:29

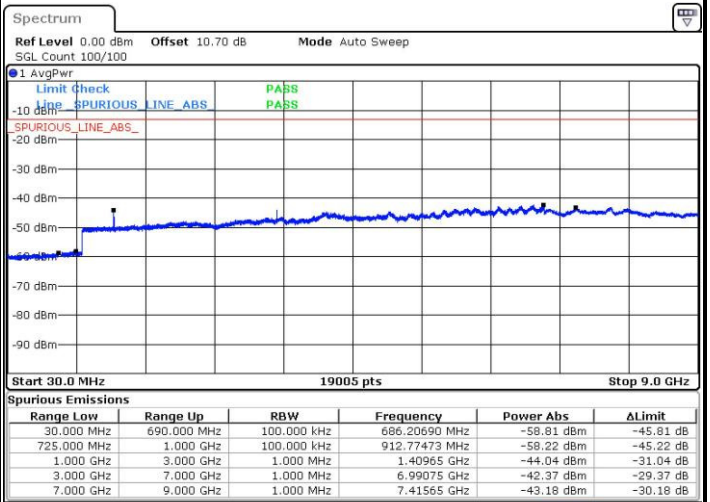
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 1.FEB.2017 02:35:41

Lowest Channel / 16QAM



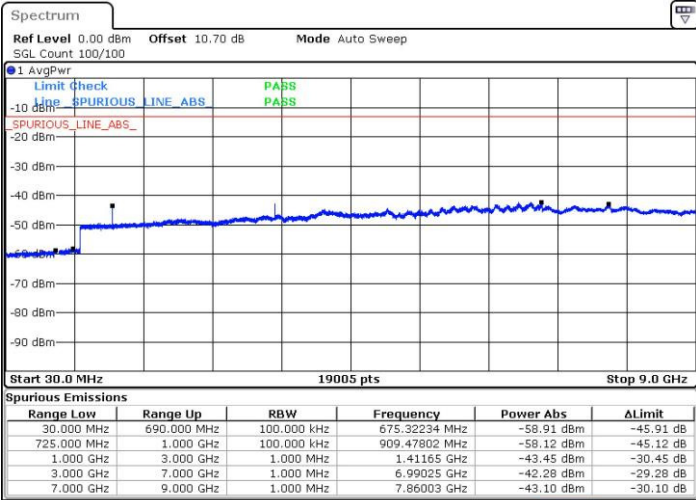
Date: 1.FEB.2017 02:36:35



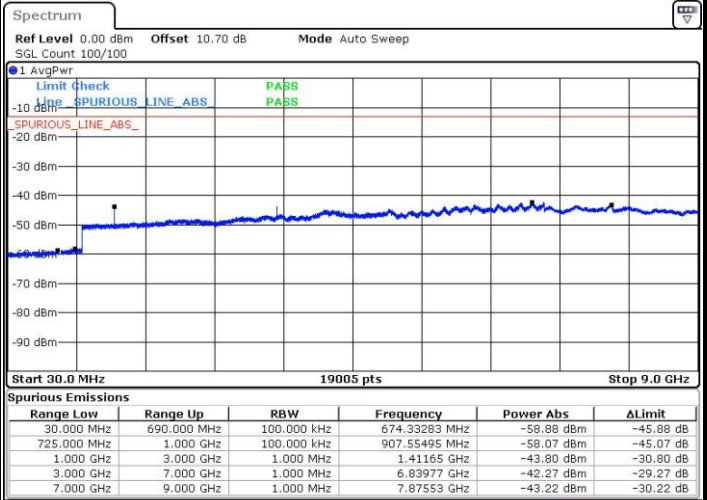
LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



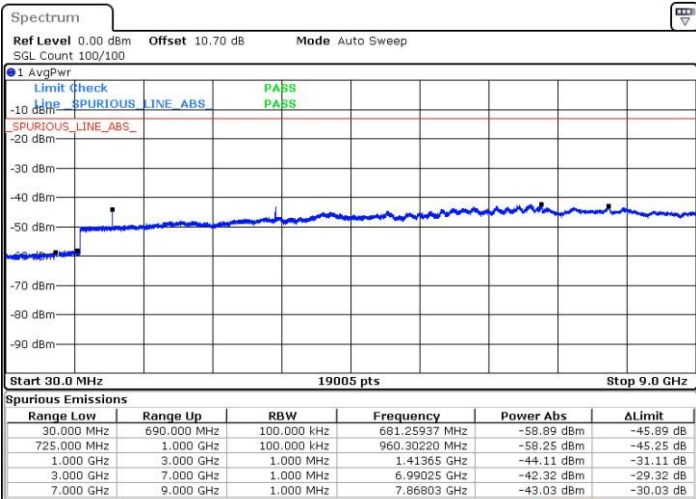
Date: 1.FEB.2017 02:38:11



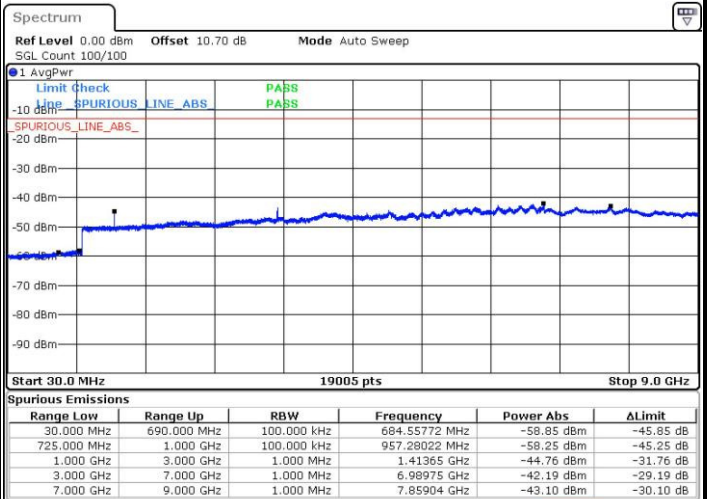
Date: 1.FEB.2017 02:39:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.FEB.2017 02:45:17



Date: 1.FEB.2017 02:46:11



### Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0134	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0106	
-30	Normal Voltage	0.0145	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 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)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	22.00	0.1585	20.26	0.1062
Middle		3	0	22.56	0.1803	20.17	0.1040
Highest		3	0	22.04	0.1600	19.15	0.0822
Lowest	16QAM	1	0	21.17	0.1309	19.50	0.0891
Middle		1	0	21.45	0.1396	19.03	0.0800
Highest		1	0	21.26	0.1337	18.56	0.0718
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	21.65	0.1462	19.99	0.0998
Middle		1	8	22.41	0.1742	20.01	0.1002
Highest		1	8	21.64	0.1459	18.79	0.0757
Lowest	16QAM	1	8	21.24	0.1330	19.51	0.0893
Middle		1	8	21.57	0.1435	19.13	0.0818
Highest		1	8	21.26	0.1337	18.63	0.0729
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.66	0.1466	20.07	0.1016
Middle		1	0	22.52	0.1786	20.19	0.1045
Highest		1	0	22.94	0.1968	20.34	0.1081
Lowest	16QAM	1	12	21.03	0.1268	19.29	0.0849
Middle		1	12	22.04	0.1600	19.21	0.0834
Highest		1	12	22.07	0.1611	18.87	0.0771
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.41	0.1384	19.81	0.0957
Middle		1	0	22.44	0.1754	20.24	0.1057
Highest		1	0	22.70	0.1862	20.31	0.1074
Lowest	16QAM	1	0	20.91	0.1233	19.25	0.0841
Middle		1	0	21.41	0.1384	19.25	0.0841
Highest		1	0	21.62	0.1452	19.31	0.0853
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.44	0.1393	19.76	0.0946
Middle		1	0	22.30	0.1698	20.16	0.1038
Highest		1	0	22.40	0.1738	19.80	0.0955
Lowest	16QAM	1	37	21.68	0.1472	19.43	0.0877
Middle		1	37	21.93	0.1560	19.20	0.0832
Highest		1	37	22.12	0.1629	19.33	0.0857
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.46	0.1400	19.72	0.0938
Middle		1	0	22.31	0.1702	20.15	0.1035
Highest		1	0	21.69	0.1476	19.04	0.0802
Lowest	16QAM	1	0	20.79	0.1199	19.07	0.0807
Middle		1	0	21.51	0.1416	19.33	0.0857
Highest		1	0	21.18	0.1312	18.41	0.0693
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	23.30	0.2138	22.75	0.1884
Middle		3	3	23.30	0.2138	22.80	0.1905
Highest		3	3	23.25	0.2113	22.55	0.1799
Lowest	16QAM	1	3	22.16	0.1644	21.58	0.1439
Middle		1	3	22.08	0.1614	21.60	0.1445
Highest		1	3	22.08	0.1614	21.31	0.1352
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.98	0.1986	22.49	0.1774
Middle		1	8	22.94	0.1968	22.51	0.1782
Highest		1	8	22.55	0.1799	21.86	0.1535
Lowest	16QAM	1	8	22.19	0.1656	21.26	0.1337
Middle		1	8	22.33	0.1710	21.73	0.1489
Highest		1	8	21.72	0.1486	20.98	0.1253
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.74	0.1879	22.12	0.1629
Middle		1	0	22.63	0.1832	22.13	0.1633
Highest		1	0	22.76	0.1888	21.93	0.1560
Lowest	16QAM	1	12	22.23	0.1671	21.27	0.1340
Middle		1	12	21.93	0.1560	21.24	0.1330
Highest		1	12	22.06	0.1607	21.04	0.1271
Limit	EIRP < 1W			Result		PASS	





LTE Band 4 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.62	0.2301	22.23	0.1671
Middle		1	0	23.60	0.2291	22.13	0.1633
Highest		1	0	23.74	0.2366	21.97	0.1574
Lowest	16QAM	1	0	22.58	0.1811	21.26	0.1337
Middle		1	0	22.55	0.1799	21.11	0.1291
Highest		1	0	22.71	0.1866	21.12	0.1294
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.19	0.2084	21.73	0.1489
Middle		1	0	23.28	0.2128	21.66	0.1466
Highest		1	0	23.37	0.2173	21.38	0.1374
Lowest	16QAM	1	37	22.87	0.1936	20.93	0.1239
Middle		1	37	22.44	0.1754	20.88	0.1225
Highest		1	37	22.75	0.1884	20.64	0.1159
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.15	0.2065	21.73	0.1489
Middle		1	0	23.19	0.2084	21.71	0.1483
Highest		1	0	23.08	0.2032	21.56	0.1432
Lowest	16QAM	1	49	22.88	0.1941	20.96	0.1247
Middle		1	49	22.37	0.1726	20.88	0.1225
Highest		1	49	22.78	0.1897	20.66	0.1164
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	4.58	0.0029	17.70	0.0589
Middle		3	0	6.86	0.0049	19.04	0.0802
Highest		3	0	6.76	0.0047	19.52	0.0895
Lowest	16QAM	1	3	4.41	0.0028	17.47	0.0558
Middle		1	3	5.58	0.0036	18.34	0.0682
Highest		1	3	5.88	0.0039	18.36	0.0685
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	4.86	0.0031	17.81	0.0604
Middle		1	0	6.46	0.0044	19.19	0.0830
Highest		1	0	7.34	0.0054	19.86	0.0968
Lowest	16QAM	1	8	4.90	0.0031	17.90	0.0617
Middle		1	8	5.39	0.0035	18.14	0.0652
Highest		1	8	6.16	0.0041	18.71	0.0743
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	6.38	0.0043	18.66	0.0735
Middle		1	12	5.95	0.0039	18.41	0.0693
Highest		1	12	7.59	0.0057	19.88	0.0973
Lowest	16QAM	1	12	5.71	0.0037	17.82	0.0605
Middle		1	12	5.39	0.0035	17.99	0.0630
Highest		1	12	6.34	0.0043	18.74	0.0748
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	5.95	0.0039	18.85	0.0767
Middle		1	25	5.80	0.0038	18.59	0.0723
Highest		1	25	7.01	0.0050	19.67	0.0927
Lowest	16QAM	1	0	4.34	0.0027	17.28	0.0535
Middle		1	0	5.14	0.0033	18.08	0.0643
Highest		1	0	5.76	0.0038	18.58	0.0721
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.00	0.0501	21.29	0.1346
Middle		1	0	16.12	0.0409	21.18	0.1312
Highest		1	0	14.50	0.0282	19.56	0.0904
Lowest	16QAM	1	0	15.96	0.0394	20.35	0.1084
Middle		1	0	15.30	0.0339	20.30	0.1072
Highest		1	0	13.89	0.0245	19.39	0.0869
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.02	0.0504	21.41	0.1384
Middle		1	0	15.67	0.0369	21.33	0.1358
Highest		1	0	12.86	0.0193	19.04	0.0802
Lowest	16QAM	1	0	15.72	0.0373	20.59	0.1146
Middle		1	0	14.85	0.0305	20.36	0.1086
Highest		1	0	12.02	0.0159	18.22	0.0664
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	16.61	0.0458	21.41	0.1384
Middle		1	37	15.78	0.0378	21.09	0.1285
Highest		1	37	12.66	0.0185	18.44	0.0698
Lowest	16QAM	1	37	15.53	0.0357	20.53	0.1130
Middle		1	37	14.92	0.0310	20.21	0.1050
Highest		1	37	12.06	0.0161	17.91	0.0618
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.32	0.0429	21.26	0.1337
Middle		1	0	15.44	0.0350	21.05	0.1274
Highest		1	0	13.91	0.0246	20.22	0.1052
Lowest	16QAM	1	49	15.53	0.0357	20.59	0.1146
Middle		1	49	14.50	0.0282	20.31	0.1074
Highest		1	49	11.73	0.0149	18.00	0.0631
Limit	EIRP < 2W			Result		PASS	



LTE Band 13 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	2.05	0.0016	17.71	0.0590
Middle		1	12	2.52	0.0018	19.11	0.0815
Highest		1	12	2.02	0.0016	18.58	0.0721
Lowest	16QAM	1	12	1.44	0.0014	17.00	0.0501
Middle		1	12	1.92	0.0016	18.45	0.0700
Highest		1	12	1.56	0.0014	17.97	0.0627
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	1.19	0.0013	17.25	0.0531
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	1.92	0.0016	18.00	0.0631
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	





LTE Band 17 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	-2.36	0.0006	14.55	0.0285
Middle		1	12	-2.39	0.0006	13.79	0.0239
Highest		1	12	-0.65	0.0009	15.45	0.0351
Lowest	16QAM	1	12	-2.81	0.0005	14.02	0.0252
Middle		1	12	-2.77	0.0005	13.34	0.0216
Highest		1	12	-1.57	0.0007	14.53	0.0284
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	-2.40	0.0006	14.70	0.0295
Middle		1	0	-2.18	0.0006	14.82	0.0303
Highest		1	0	-2.17	0.0006	14.70	0.0295
Lowest	16QAM	1	0	-3.44	0.0005	13.64	0.0231
Middle		1	0	-3.24	0.0005	13.73	0.0236
Highest		1	0	-3.03	0.0005	13.84	0.0242
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)
Lowest	3702	-42.24	-13	-29.24	-38.03	-48.81	1.67	8.24	H
	5550	-57.99	-13	-44.99	-60.55	-65.06	2.65	9.72	H
	7404	-53.06	-13	-40.06	-57.12	-62.21	2.46	11.61	H
									H
									H
									H
									H
	3702	-43.02	-13	-30.02	-37.78	-49.59	1.67	8.24	V
	5550	-54.04	-13	-41.04	-56.57	-61.11	2.65	9.72	V
	7404	-52.44	-13	-39.44	-56.66	-61.59	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 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)
Lowest	3702	-42.45	-13	-29.45	-38.13	-49.02	1.67	8.24	H
	5550	-57.65	-13	-44.65	-60.1	-64.72	2.65	9.72	H
	7404	-52.94	-13	-39.94	-56.81	-62.09	2.46	11.61	H
									H
									H
									H
									H
	3702	-43.98	-13	-30.98	-37.75	-50.55	1.67	8.24	V
	5550	-54.35	-13	-41.35	-56.87	-61.42	2.65	9.72	V
	7404	-52.54	-13	-39.54	-56.83	-61.69	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 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)
Middle	3756	-46.29	-13	-33.29	-41.91	-52.91	1.68	8.31	H
	5634	-58.97	-13	-45.97	-61.99	-66.02	2.70	9.75	H
	7518	-51.65	-13	-38.65	-55.75	-61.04	2.42	11.81	H
									H
									H
									H
									H
	3756	-45.66	-13	-32.66	-41.33	-52.28	1.68	8.31	V
	5634	-54.72	-13	-41.72	-56.63	-61.77	2.70	9.75	V
	7518	-52.03	-13	-39.03	-56.33	-61.42	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 / 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	3750	-46.39	-13	-33.39	-41.96	-53.01	1.68	8.30	H
	5628	-59.17	-13	-46.17	-62.09	-66.22	2.70	9.75	H
	7518	-50.86	-13	-37.86	-54.94	-60.25	2.42	11.81	H
									H
									H
									H
									H
	3750	-46.49	-13	-33.49	-42.19	-53.11	1.68	8.30	V
	5628	-54.28	-13	-41.28	-57.19	-61.33	2.70	9.75	V
	7518	-52.65	-13	-39.65	-56.97	-62.04	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 / 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)
Middle	3750	-46.64	-13	-33.64	-42.26	-53.26	1.68	8.30	H
	5622	-57.31	-13	-44.31	-60.12	-64.36	2.70	9.75	H
	7518	-51.89	-13	-38.89	-55.9	-61.28	2.42	11.81	H
									H
									H
									H
									H
	3750	-45.26	-13	-32.26	-40.87	-51.88	1.68	8.30	V
	5622	-54.26	-13	-41.26	-55.06	-61.31	2.70	9.75	V
	7518	-51.66	-13	-38.66	-55.97	-61.05	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 / 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)
Middle	3744	-45.55	-13	-32.55	-41.25	-52.16	1.68	8.29	H
	5616	-58.06	-13	-45.06	-60.94	-65.11	2.69	9.75	H
	7518	-51.33	-13	-38.33	-55.49	-60.72	2.42	11.81	H
									H
									H
									H
									H
	3744	-44.88	-13	-31.88	-40.56	-51.49	1.68	8.29	V
	5616	-52.31	-13	-39.31	-55.03	-59.36	2.69	9.75	V
	7518	-51.89	-13	-38.89	-56.31	-61.28	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 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)
Lowest	3420	-51.87	-13	-38.87	-47.68	-57.94	1.58	7.65	H
	5130	-49.17	-13	-36.17	-49.75	-56.46	2.41	9.70	H
	6846	-56.66	-13	-43.66	-61.39	-64.64	2.64	10.62	H
									H
									H
									H
	3420	-51.45	-13	-38.45	-47.31	-57.52	1.58	7.65	V
	5130	-48.92	-13	-35.92	-49.34	-56.21	2.41	9.70	V
	6846	-56.72	-13	-43.72	-61.4	-64.7	2.64	10.62	V
									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)
Lowest	3420	-53.74	-13	-40.74	-49.55	-59.81	1.58	7.65	H
	5130	-46.71	-13	-33.71	-47.29	-54	2.41	9.70	H
	6846	-57.69	-13	-44.69	-62.42	-65.67	2.64	10.62	H
									H
									H
									H
									H
	3420	-52.32	-13	-39.32	-48.18	-58.39	1.58	7.65	V
	5130	-44.82	-13	-31.82	-45.24	-52.11	2.41	9.70	V
	6846	-55.24	-13	-42.24	-59.92	-63.22	2.64	10.62	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)
Lowest	3420	-52.06	-13	-39.06	-47.87	-58.13	1.58	7.65	H
	5130	-48.30	-13	-35.30	-48.88	-55.59	2.41	9.70	H
	6852	-57.74	-13	-44.74	-62.47	-65.72	2.64	10.62	H
									H
									H
									H
									H
	3420	-50.91	-13	-37.91	-46.77	-56.98	1.58	7.65	V
	5130	-46.01	-13	-33.01	-46.43	-53.3	2.41	9.70	V
	6852	-58.49	-13	-45.49	-63.17	-66.47	2.64	10.62	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)
Lowest	3420	-52.64	-13	-39.64	-48.27	-58.71	1.58	7.65	H
	5130	-43.52	-13	-30.52	-43.85	-50.81	2.41	9.70	H
	6858	-58.03	-13	-45.03	-62.67	-66.02	2.64	10.63	H
									H
									H
									H
									H
	3420	-52.48	-13	-39.48	-48.17	-58.55	1.58	7.65	V
	5130	-40.82	-13	-27.82	-41.17	-48.11	2.41	9.70	V
	6858	-57.99	-13	-44.99	-62.62	-65.98	2.64	10.63	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)
Lowest	3420	-52.01	-13	-39.01	-47.82	-58.08	1.58	7.65	H
	5130	-47.03	-13	-34.03	-47.61	-54.32	2.41	9.70	H
	6870	-57.23	-13	-44.23	-61.93	-65.24	2.63	10.64	H
									H
									H
									H
									H
	3420	-50.65	-13	-37.65	-46.51	-56.72	1.58	7.65	V
	5130	-45.76	-13	-32.76	-46.18	-53.05	2.41	9.70	V
	6870	-58.36	-13	-45.36	-63.03	-66.37	2.63	10.64	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)
Middle	3450	-52.41	-13	-39.41	-48.36	-58.6	1.59	7.78	H
	5172	-49.20	-13	-36.20	-49.95	-56.46	2.44	9.70	H
	6930	-56.57	-13	-43.57	-61.18	-64.67	2.61	10.72	H
									H
									H
									H
									H
	3450	-50.29	-13	-37.29	-46.21	-56.48	1.59	7.78	V
	5172	-49.41	-13	-36.41	-50.01	-56.67	2.44	9.70	V
	6930	-58.14	-13	-45.14	-62.75	-66.24	2.61	10.72	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	-63.28	-13	-50.28	-51.21	-64.88	1.00	4.75	H
	2544	-53.84	-13	-40.84	-47.03	-55.82	1.30	5.44	H
	5088	-60.28	-13	-47.28	-60.23	-65.44	2.39	9.70	H
									H
									H
									H
	1696	-58.28	-13	-45.28	-46.68	-59.88	1.00	4.75	V
	2544	-44.96	-13	-31.96	-38.63	-46.94	1.30	5.44	V
	5088	-60.58	-13	-47.58	-60.5	-65.74	2.39	9.70	V
									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	-60.76	-13	-47.76	-48.77	-62.36	1.00	4.75	H
	2536	-57.24	-13	-44.24	-50.32	-59.22	1.30	5.43	H
	6784	-61.24	-13	-48.24	-65.85	-66.97	2.66	10.54	H
									H
									H
									H
									H
	1696	-54.36	-13	-41.36	-42.83	-55.96	1.00	4.75	V
	2536	-48.08	-13	-35.08	-41.74	-50.06	1.30	5.43	V
	6784	-60.44	-13	-47.44	-64.96	-66.17	2.66	10.54	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	-55.66	-13	-42.66	-43.79	-57.29	1.00	4.77	H
	2536	-61.88	-13	-48.88	-55.29	-63.86	1.30	5.43	H
	6776	-60.30	-13	-47.30	-65.13	-66.02	2.66	10.53	H
									H
									H
									H
									H
	1688	-52.00	-13	-39.00	-40.59	-53.63	1.00	4.77	V
	2536	-56.61	-13	-43.61	-50.51	-58.59	1.30	5.43	V
	6776	-59.90	-13	-46.90	-64.64	-65.62	2.66	10.53	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	-55.38	-13	-42.38	-43.22	-57.14	0.98	4.89	H
	2472	-59.29	-13	-46.29	-52.57	-61.17	1.28	5.32	H
	4952	-60.03	-13	-47.03	-59.66	-65.17	2.31	9.60	H
									H
									H
									H
									H
	1648	-54.09	-13	-41.09	-42.4	-55.85	0.98	4.89	V
	2472	-58.01	-13	-45.01	-51.73	-59.89	1.28	5.32	V
	4952	-60.28	-13	-47.28	-59.73	-65.42	2.31	9.60	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 )	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	4998	-52.75	-25	-27.75	-52.51	-60.11	2.34	9.70	H
	7500	-61.64	-25	-36.64	-66.48	-71.01	2.43	11.80	H
	10008	-58.26	-25	-33.26	-65.98	-67.77	2.70	12.20	H
									H
									H
									H
	5004	-52.23	-25	-27.23	-51.97	-59.59	2.34	9.70	V
	7500	-59.21	-25	-34.21	-63.52	-68.58	2.43	11.80	V
	10008	-57.04	-25	-32.04	-64.8	-66.55	2.70	12.20	V
									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)
Lowest	5004	-52.66	-25	-27.66	-53.44	-60.02	2.34	9.70	H
	7500	-62.15	-25	-37.15	-66.16	-71.52	2.43	11.80	H
	10026	-58.51	-25	-33.51	-66.28	-68.02	2.70	12.21	H
									H
									H
									H
									H
	5004	-52.03	-25	-27.03	-51.71	-59.39	2.34	9.70	V
	7500	-59.18	-25	-34.18	-63.37	-68.55	2.43	11.80	V
	10026	-58.26	-25	-33.26	-65.89	-67.77	2.70	12.21	V
									V
									V
									V
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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)
Lowest	5004	-51.34	-25	-26.34	-51.32	-58.7	2.34	9.70	H
	7500	-63.02	-25	-38.02	-67.15	-72.39	2.43	11.80	H
	10026	-57.97	-25	-32.97	-65.9	-67.48	2.70	12.21	H
									H
									H
									H
									H
	5004	-51.37	-25	-26.37	-51.16	-58.73	2.34	9.70	V
	7500	-59.71	-25	-34.71	-64.08	-69.08	2.43	11.80	V
	10026	-57.62	-25	-32.62	-65.48	-67.13	2.70	12.21	V
									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)
Lowest	5004	-52.69	-25	-27.69	-52.67	-60.05	2.34	9.70	H
	7506	-62.79	-25	-37.79	-66.98	-72.17	2.43	11.80	H
	10044	-58.22	-25	-33.22	-66.18	-67.74	2.70	12.22	H
									H
									H
									H
									H
	5004	-51.72	-25	-26.72	-51.51	-59.08	2.34	9.70	V
	7506	-59.22	-25	-34.22	-63.65	-68.6	2.43	11.80	V
	10044	-57.91	-25	-32.91	-65.8	-67.43	2.70	12.22	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)	
Highest	1568	-65.01	-42.15	-22.86	-52.12	-67.03	0.94	5.11	H	
	2344	-57.54	-13	-44.54	-50.15	-59.08	1.24	4.93	H	
	3128	-63.70	-13	-50.70	-58.33	-66.43	1.49	6.36	H	
	3912	-61.18	-13	-48.18	-56.71	-65.79	1.73	8.49	H	
	4696	-61.79	-13	-48.79	-60.03	-66.57	2.16	9.09	H	
										H
										H
	1568	-62.93	-42.15	-20.78	-50.54	-64.95	0.94	5.11	V	
	2344	-56.76	-13	-43.76	-49.78	-58.30	1.24	4.93	V	
	3128	-60.14	-13	-47.14	-55.49	-62.87	1.49	6.36	V	
	3912	-60.21	-13	-47.21	-55.87	-64.82	1.73	8.49	V	
	4696	-58.72	-13	-45.72	-56.92	-63.50	2.16	9.09	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	1552	-69.16	-13	-56.16	-56.11	-71.23	0.94	5.15	H
	2336	-58.39	-13	-45.39	-51	-59.91	1.24	4.91	H
	3112	-65.67	-13	-52.67	-60.24	-68.33	1.48	6.29	H
	3888	-61.93	-13	-48.93	-57.48	-66.52	1.73	8.47	H
									H
									H
									H
	1552	-64.82	-13	-51.82	-52.29	-66.89	0.94	5.15	V
	2336	-60.55	-13	-47.55	-53.57	-62.07	1.24	4.91	V
	3112	-62.92	-13	-49.92	-58.25	-65.58	1.48	6.29	V
	3888	-62.43	-13	-49.43	-58.1	-67.02	1.73	8.47	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)
Highest	1424	-57.03	-13	-44.03	-43.24	-58.83	0.88	4.83	H
	2136	-54.36	-13	-41.36	-45.97	-55.34	1.18	4.31	H
	2848	-61.41	-13	-48.41	-55.32	-63.54	1.40	5.68	H
	3560	-42.18	-13	-29.18	-38.23	-46.48	1.62	8.07	H
	4272	-53.99	-13	-40.99	-50.36	-58.58	1.92	8.65	H
									H
									H
	1424	-53.61	-13	-40.61	-40.31	-55.41	0.88	4.83	V
	2136	-52.20	-13	-39.20	-44.16	-53.18	1.18	4.31	V
	2848	-62.15	-13	-49.15	-56.90	-64.28	1.40	5.68	V
	3560	-39.16	-13	-26.16	-35.11	-43.46	1.62	8.07	V
	4272	-50.20	-13	-37.20	-46.70	-54.79	1.92	8.65	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	-55.43	-13	-42.43	-61.06	-57.14	0.87	4.73	H
	2112	-30.32	-13	-17.32	-39.41	-31.24	1.17	4.24	H
	2816	-53.56	-13	-40.56	-64.81	-55.67	1.39	5.65	H
									H
									H
									H
									H
	1408	-52.66	-13	-39.66	-56.94	-54.37	0.87	4.73	V
	2112	-34.50	-13	-21.50	-43.38	-35.42	1.17	4.24	V
	2816	-54.16	-13	-41.16	-65.92	-56.27	1.39	5.65	V
									V
									V
									V
									V

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