



## Appendix B. Test Results of 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	3	19.33	0.0857	20.79	0.1199
Middle		3	3	20.66	0.1164	20.52	0.1127
Highest		3	3	21.80	0.1514	21.51	0.1416
Lowest	16QAM	1	0	18.11	0.0647	20.01	0.1002
Middle		1	0	19.45	0.0881	19.82	0.0959
Highest		1	0	20.77	0.1194	20.54	0.1132
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	0	19.34	0.0859	20.83	0.1211
Middle		1	0	20.54	0.1132	20.64	0.1159
Highest		1	0	22.02	0.1592	21.41	0.1384
Lowest	16QAM	1	0	18.25	0.0668	20.02	0.1005
Middle		1	0	19.65	0.0923	19.91	0.0979
Highest		1	0	21.21	0.1321	20.39	0.1094
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	19.27	0.0845	20.81	0.1205
Middle		1	0	20.49	0.1119	20.60	0.1148
Highest		1	0	22.10	0.1622	21.16	0.1306
Lowest	16QAM	1	12	18.73	0.0746	20.16	0.1038
Middle		1	12	20.26	0.1062	19.88	0.0973
Highest		1	12	21.78	0.1507	20.60	0.1148
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	19.48	0.0887	20.93	0.1239
Middle		1	0	20.45	0.1109	20.82	0.1208
Highest		1	0	21.44	0.1393	21.08	0.1282
Lowest	16QAM	1	0	18.52	0.0711	20.19	0.1045
Middle		1	0	19.66	0.0925	20.02	0.1005
Highest		1	0	20.74	0.1186	20.29	0.1069
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	19.50	0.0891	21.01	0.1262
Middle		1	0	20.33	0.1079	20.90	0.1230
Highest		1	0	21.71	0.1483	20.91	0.1233
Lowest	16QAM	1	0	18.66	0.0735	20.18	0.1042
Middle		1	0	19.54	0.0899	20.15	0.1035
Highest		1	0	20.80	0.1202	20.12	0.1028
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	19.61	0.0914	21.16	0.1306
Middle		1	0	20.31	0.1074	21.01	0.1262
Highest		1	0	21.53	0.1422	20.84	0.1213
Lowest	16QAM	1	0	18.73	0.0746	20.27	0.1064
Middle		1	0	19.45	0.0881	20.21	0.1050
Highest		1	0	20.66	0.1164	19.97	0.0993
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	1	18.04	0.0637	20.36	0.1086
Middle		3	1	17.51	0.0564	19.91	0.0979
Highest		3	1	16.64	0.0461	19.71	0.0935
Lowest	16QAM	1	5	17.07	0.0509	19.44	0.0879
Middle		1	5	16.59	0.0456	18.95	0.0785
Highest		1	5	16.00	0.0398	18.64	0.0731
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	0	17.96	0.0625	20.42	0.1102
Middle		1	0	17.43	0.0553	19.85	0.0966
Highest		1	0	16.64	0.0461	19.74	0.0942
Lowest	16QAM	1	0	17.10	0.0513	19.55	0.0902
Middle		1	0	16.64	0.0461	19.04	0.0802
Highest		1	0	15.77	0.0378	18.94	0.0783
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	12	18.22	0.0664	20.39	0.1094
Middle		1	12	17.55	0.0569	19.87	0.0971
Highest		1	12	16.92	0.0492	19.74	0.0942
Lowest	16QAM	1	0	16.98	0.0499	19.54	0.0899
Middle		1	0	16.68	0.0466	19.01	0.0796
Highest		1	0	15.84	0.0384	18.92	0.0780
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	17.94	0.0622	20.39	0.1094
Middle		1	0	17.50	0.0562	19.93	0.0984
Highest		1	0	17.24	0.0530	19.63	0.0918
Lowest	16QAM	1	0	17.09	0.0512	19.52	0.0895
Middle		1	0	16.78	0.0476	19.13	0.0818
Highest		1	0	16.37	0.0434	18.91	0.0778
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	17.93	0.0621	20.41	0.1099
Middle		1	0	17.61	0.0577	20.01	0.1002
Highest		1	0	17.41	0.0551	19.77	0.0948
Lowest	16QAM	1	0	17.12	0.0515	19.56	0.0904
Middle		1	0	16.85	0.0484	19.17	0.0826
Highest		1	0	16.63	0.0460	18.98	0.0791
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	18.06	0.0640	20.50	0.1122
Middle		1	0	17.85	0.0610	20.13	0.1030
Highest		1	0	17.59	0.0574	20.02	0.1005
Lowest	16QAM	1	0	17.21	0.0526	19.73	0.0940
Middle		1	0	17.10	0.0513	19.45	0.0881
Highest		1	0	16.78	0.0476	19.24	0.0839
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	3	9.32	0.0086	16.63	0.0460
Middle		3	3	9.28	0.0085	16.44	0.0441
Highest		3	3	9.20	0.0083	16.12	0.0409
Lowest	16QAM	1	0	8.33	0.0068	15.66	0.0368
Middle		1	0	8.40	0.0069	15.58	0.0361
Highest		1	0	8.27	0.0067	15.25	0.0335
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	9.31	0.0085	16.61	0.0458
Middle		1	0	9.27	0.0085	16.54	0.0451
Highest		1	0	9.10	0.0081	16.14	0.0411
Lowest	16QAM	1	0	8.50	0.0071	15.76	0.0377
Middle		1	0	8.69	0.0074	15.74	0.0375
Highest		1	0	8.43	0.0070	15.44	0.0350
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	10.09	0.0102	16.58	0.0455
Middle		1	12	9.73	0.0094	16.53	0.0450
Highest		1	12	9.41	0.0087	16.20	0.0417
Lowest	16QAM	1	12	9.26	0.0084	15.80	0.0380
Middle		1	12	8.96	0.0079	15.87	0.0386
Highest		1	12	8.64	0.0073	15.47	0.0352
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	0	9.34	0.0086	16.59	0.0456
Middle		1	0	9.39	0.0087	16.54	0.0451
Highest		1	0	8.91	0.0078	16.04	0.0402
Lowest	16QAM	1	0	8.48	0.0070	15.72	0.0373
Middle		1	0	8.60	0.0072	15.85	0.0385
Highest		1	0	8.09	0.0064	15.34	0.0342
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	12	19.90	0.0977	20.83	0.1211
Middle		1	12	20.44	0.1107	20.77	0.1194
Highest		1	12	20.30	0.1072	20.06	0.1014
Lowest	16QAM	1	12	19.21	0.0834	19.99	0.0998
Middle		1	12	19.66	0.0925	19.99	0.0998
Highest		1	12	19.55	0.0902	19.28	0.0847
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	49	20.21	0.1050	20.84	0.1213
Middle		1	49	20.40	0.1096	20.72	0.1180
Highest		1	49	20.07	0.1016	19.70	0.0933
Lowest	16QAM	1	49	19.57	0.0906	20.21	0.1050
Middle		1	49	19.71	0.0935	20.07	0.1016
Highest		1	49	19.51	0.0893	19.29	0.0849
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	74	20.17	0.1040	20.83	0.1211
Middle		1	74	20.04	0.1009	20.41	0.1099
Highest		1	74	19.57	0.0906	19.67	0.0927
Lowest	16QAM	1	74	19.56	0.0904	20.34	0.1081
Middle		1	74	19.45	0.0881	20.01	0.1002
Highest		1	74	19.10	0.0813	19.35	0.0861
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	99	20.41	0.1099	20.83	0.1211
Middle		1	99	19.92	0.0982	20.00	0.1000
Highest		1	99	19.93	0.0984	19.61	0.0914
Lowest	16QAM	1	99	19.80	0.0955	20.41	0.1099
Middle		1	99	19.79	0.0953	19.97	0.0993
Highest		1	99	19.58	0.0908	19.36	0.0863
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	6.40	0.0044	15.74	0.0375
Middle		3	0	6.90	0.0049	15.87	0.0386
Highest		3	0	6.52	0.0045	15.55	0.0359
Lowest	16QAM	1	0	5.37	0.0034	14.72	0.0296
Middle		1	0	5.92	0.0039	14.94	0.0312
Highest		1	0	5.65	0.0037	14.65	0.0292
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	6.30	0.0043	15.71	0.0372
Middle		1	0	6.79	0.0048	15.81	0.0381
Highest		1	0	6.47	0.0044	15.49	0.0354
Lowest	16QAM	1	0	5.33	0.0034	14.91	0.0310
Middle		1	0	5.93	0.0039	15.06	0.0321
Highest		1	0	5.68	0.0037	14.68	0.0294
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	6.43	0.0044	15.82	0.0382
Middle		1	12	6.99	0.0050	15.90	0.0389
Highest		1	12	6.64	0.0046	15.57	0.0361
Lowest	16QAM	1	12	5.61	0.0036	15.09	0.0323
Middle		1	12	6.25	0.0042	15.19	0.0330
Highest		1	12	5.99	0.0040	15.00	0.0316
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	7.02	0.0050	15.99	0.0397
Middle		1	49	7.17	0.0052	16.04	0.0402
Highest		1	49	6.93	0.0049	15.97	0.0395
Lowest	16QAM	1	49	6.30	0.0043	15.35	0.0343
Middle		1	49	6.53	0.0045	15.21	0.0332
Highest		1	49	6.33	0.0043	15.24	0.0334
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	6.79	0.0048	15.99	0.0397
Middle		1	12	7.19	0.0052	16.02	0.0400
Highest		1	12	6.69	0.0047	15.64	0.0366
Lowest	16QAM	1	12	6.15	0.0041	15.34	0.0342
Middle		1	12	6.48	0.0044	15.28	0.0337
Highest		1	12	6.01	0.0040	14.96	0.0313
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	49	7.14	0.0052	16.06	0.0404
Middle		1	49	7.08	0.0051	16.13	0.0410
Highest		1	49	6.95	0.0050	16.09	0.0406
Lowest	16QAM	1	49	6.46	0.0044	15.45	0.0351
Middle		1	49	6.38	0.0043	15.46	0.0352
Highest		1	49	6.32	0.0043	15.41	0.0348
Limit	ERP < 3W			Result		PASS	



LTE Band 38 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	20.99	0.1256	19.98	0.0995
Middle		1	12	20.56	0.1138	19.72	0.0938
Highest		1	12	20.02	0.1005	19.41	0.0873
Lowest	16QAM	1	12	20.56	0.1138	19.46	0.0883
Middle		1	12	20.09	0.1021	19.18	0.0828
Highest		1	12	19.48	0.0887	18.88	0.0773
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	21.42	0.1387	20.08	0.1019
Middle		1	49	20.81	0.1205	19.86	0.0968
Highest		1	49	20.14	0.1033	19.65	0.0923
Lowest	16QAM	1	49	20.72	0.1180	19.38	0.0867
Middle		1	49	20.10	0.1023	19.13	0.0818
Highest		1	49	19.44	0.0879	18.94	0.0783
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	20.71	0.1178	19.96	0.0991
Middle		1	74	20.22	0.1052	19.78	0.0951
Highest		1	74	19.52	0.0895	19.62	0.0916
Lowest	16QAM	1	74	20.07	0.1016	19.31	0.0853
Middle		1	74	19.57	0.0906	19.11	0.0815
Highest		1	74	18.87	0.0771	18.94	0.0783
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	21.23	0.1327	20.01	0.1002
Middle		1	99	20.93	0.1239	19.82	0.0959
Highest		1	99	20.22	0.1052	19.69	0.0931
Lowest	16QAM	1	99	20.55	0.1135	19.33	0.0857
Middle		1	99	20.23	0.1054	19.14	0.0820
Highest		1	99	19.53	0.0897	19.19	0.0830
Limit	EIRP < 2W			Result		PASS	