



## 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	1	5	22.78	0.1897	25.29	0.3381
Middle		1	5	22.88	0.1941	25.68	0.3698
Highest		1	5	23.31	0.2143	25.68	0.3698
Lowest	16QAM	1	0	21.77	0.1503	23.92	0.2466
Middle		1	0	21.60	0.1445	24.39	0.2748
Highest		1	0	22.44	0.1754	24.67	0.2931
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	22.80	0.1905	24.94	0.3119
Middle		1	8	22.49	0.1774	25.26	0.3357
Highest		1	8	22.79	0.1901	25.34	0.3420
Lowest	16QAM	1	14	21.86	0.1535	24.21	0.2636
Middle		1	14	21.70	0.1479	24.06	0.2547
Highest		1	14	22.01	0.1589	24.32	0.2704
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	12	23.21	0.2094	25.66	0.3681
Middle		1	12	23.00	0.1995	25.61	0.3639
Highest		1	12	23.17	0.2075	25.77	0.3776
Lowest	16QAM	1	12	21.36	0.1368	23.63	0.2307
Middle		1	12	21.30	0.1349	23.96	0.2489
Highest		1	12	21.32	0.1355	23.78	0.2388
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	49	22.79	0.1901	25.02	0.3177
Middle		1	49	22.97	0.1982	25.22	0.3327
Highest		1	49	23.21	0.2094	25.54	0.3581
Lowest	16QAM	1	25	21.60	0.1445	23.85	0.2427
Middle		1	25	21.88	0.1542	24.66	0.2924
Highest		1	25	21.86	0.1535	24.57	0.2864
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	37	23.02	0.2004	24.93	0.3112
Middle		1	37	22.87	0.1936	25.44	0.3499
Highest		1	37	23.00	0.1995	25.52	0.3565
Lowest	16QAM	1	74	21.76	0.1500	24.01	0.2518
Middle		1	74	21.67	0.1469	24.44	0.2780
Highest		1	74	22.33	0.1710	24.31	0.2698
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	49	22.44	0.1754	24.51	0.2825
Middle		1	49	22.33	0.1710	25.10	0.3236
Highest		1	49	22.57	0.1807	25.42	0.3483
Lowest	16QAM	1	99	20.76	0.1191	23.31	0.2143
Middle		1	99	21.22	0.1324	24.08	0.2559
Highest		1	99	21.68	0.1472	23.97	0.2495
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	25.24	0.3342	25.01	0.3170
Middle		3	1	25.03	0.3184	25.11	0.3243
Highest		3	1	23.42	0.2198	24.26	0.2667
Lowest	16QAM	3	1	24.38	0.2742	24.12	0.2582
Middle		3	1	24.16	0.2606	24.35	0.2723
Highest		3	1	22.37	0.1726	23.15	0.2065
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	25.08	0.3221	24.96	0.3133
Middle		1	8	25.00	0.3162	25.19	0.3304
Highest		1	8	23.36	0.2168	24.10	0.2570
Lowest	16QAM	1	0	24.40	0.2754	24.18	0.2618
Middle		1	0	24.30	0.2692	24.52	0.2831
Highest		1	0	22.75	0.1884	23.50	0.2239
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	25.54	0.3581	25.47	0.3524
Middle		1	12	25.25	0.3350	25.36	0.3436
Highest		1	12	23.60	0.2291	24.36	0.2729
Lowest	16QAM	1	24	23.82	0.2410	23.69	0.2339
Middle		1	24	23.41	0.2193	23.53	0.2254
Highest		1	24	22.19	0.1656	23.00	0.1995
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	25	25.17	0.3289	25.21	0.3319
Middle		1	25	24.82	0.3034	25.12	0.3251
Highest		1	25	23.82	0.2410	24.55	0.2851
Lowest	16QAM	1	0	24.31	0.2698	24.14	0.2594
Middle		1	0	23.98	0.2500	24.32	0.2704
Highest		1	0	23.41	0.2193	23.75	0.2371
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	37	25.32	0.3404	25.22	0.3327
Middle		1	37	25.25	0.3350	25.19	0.3304
Highest		1	37	24.12	0.2582	24.86	0.3062
Lowest	16QAM	1	0	24.38	0.2742	24.14	0.2594
Middle		1	0	24.39	0.2748	24.41	0.2761
Highest		1	0	24.03	0.2529	24.21	0.2636
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	49	24.85	0.3055	25.36	0.3436
Middle		1	49	24.70	0.2951	24.94	0.3119
Highest		1	49	23.98	0.2500	24.35	0.2723
Lowest	16QAM	1	49	23.80	0.2399	24.02	0.2523
Middle		1	49	23.42	0.2198	23.84	0.2421
Highest		1	49	22.80	0.1905	23.12	0.2051
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	1	9.40	0.0087	20.49	0.1119
Middle		3	1	8.56	0.0072	21.38	0.1374
Highest		3	1	7.81	0.0060	21.04	0.1271
Lowest	16QAM	3	1	8.71	0.0074	19.76	0.0946
Middle		3	1	7.75	0.0060	20.62	0.1153
Highest		3	1	6.91	0.0049	20.21	0.1050
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	9.27	0.0085	20.26	0.1062
Middle		1	0	8.41	0.0069	21.26	0.1337
Highest		1	0	8.02	0.0063	21.06	0.1276
Lowest	16QAM	1	0	8.63	0.0073	19.70	0.0933
Middle		1	0	7.74	0.0059	20.47	0.1114
Highest		1	0	7.20	0.0052	20.40	0.1096
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	9.94	0.0099	21.32	0.1355
Middle		1	12	8.80	0.0076	21.77	0.1503
Highest		1	12	8.46	0.0070	21.62	0.1452
Lowest	16QAM	1	12	8.45	0.0070	19.61	0.0914
Middle		1	12	7.06	0.0051	19.80	0.0955
Highest		1	12	6.77	0.0048	19.95	0.0989
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	9.26	0.0084	20.83	0.1211
Middle		1	25	8.50	0.0071	21.18	0.1312
Highest		1	25	8.21	0.0066	21.55	0.1429
Lowest	16QAM	1	25	8.15	0.0065	19.80	0.0955
Middle		1	25	7.49	0.0056	20.24	0.1057
Highest		1	25	7.17	0.0052	20.45	0.1109
Limit	ERP < 7W			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	1	5	9.94	0.0099	22.72	0.1871
Middle		1	5	9.09	0.0081	22.90	0.1950
Highest		1	5	7.98	0.0063	22.87	0.1936
Lowest	16QAM	3	3	9.13	0.0082	21.81	0.1517
Middle		3	3	8.18	0.0066	22.16	0.1644
Highest		3	3	7.12	0.0052	22.07	0.1611
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	14	9.94	0.0099	22.43	0.1750
Middle		1	14	9.12	0.0082	22.68	0.1854
Highest		1	14	8.21	0.0066	22.79	0.1901
Lowest	16QAM	1	0	8.50	0.0071	21.39	0.1377
Middle		1	0	8.03	0.0064	21.91	0.1552
Highest		1	0	7.99	0.0063	22.40	0.1738
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	10.21	0.0105	22.79	0.1901
Middle		1	12	9.42	0.0087	23.42	0.2198
Highest		1	12	8.47	0.0070	23.05	0.2018
Lowest	16QAM	1	0	8.36	0.0069	21.39	0.1377
Middle		1	0	7.57	0.0057	21.36	0.1368
Highest		1	0	7.40	0.0055	21.17	0.1309
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	25	8.98	0.0079	22.39	0.1734
Middle		1	25	8.87	0.0077	22.81	0.1910
Highest		1	25	8.66	0.0073	22.79	0.1901
Lowest	16QAM	1	25	8.50	0.0071	22.19	0.1656
Middle		1	25	7.87	0.0061	22.02	0.1592
Highest		1	25	8.03	0.0064	21.80	0.1514
Limit	ERP < 3W			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	7.13	0.0052	21.08	0.1282
Middle		1	12	7.57	0.0057	21.55	0.1429
Highest		1	12	8.31	0.0068	21.76	0.1500
Lowest	16QAM	1	12	5.54	0.0036	19.60	0.0912
Middle		1	12	5.98	0.0040	19.87	0.0971
Highest		1	12	6.58	0.0045	20.00	0.1000
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	7.17	0.0052	21.43	0.1390
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	7.09	0.0051	20.96	0.1247
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	9.42	0.0087	23.36	0.2168
Middle		1	12	9.56	0.0090	23.17	0.2075
Highest		1	12	8.87	0.0077	23.32	0.2148
Lowest	16QAM	1	0	7.75	0.0060	21.09	0.1285
Middle		1	0	7.42	0.0055	21.34	0.1361
Highest		1	0	7.47	0.0056	21.14	0.1300
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	9.30	0.0085	22.61	0.1824
Middle		1	0	8.89	0.0077	22.74	0.1879
Highest		1	0	8.67	0.0074	23.05	0.2018
Lowest	16QAM	1	25	7.94	0.0062	21.66	0.1466
Middle		1	25	7.87	0.0061	21.60	0.1445
Highest		1	25	7.90	0.0062	21.51	0.1416
Limit	ERP < 3W			Result		PASS	