

Appendix J. – Pmax Conducted Power

1. LTE Output Conducted Power

[LTE Band 41 Conducted Power]

LTE Band 41 _ 5 Mhz Bandwidth

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 Mhz	40185 Ch. 2549.5 Mhz	40620 Ch. 2593.0 Mhz	41055 Ch. 2636.5 Mhz	41490 Ch. 2680.0 Mhz		
5 Mhz	QPSK	1	0	23.34	23.14	23.98	23.66	23.65	0	0
		1	12	23.49	23.29	24.15	23.81	23.83	0	0
		1	24	23.39	23.20	24.02	23.75	23.72	0	0
		12	0	22.70	22.52	23.36	23.07	23.05	0-1	1
		12	6	22.70	22.52	23.37	23.08	23.05	0-1	1
		12	11	22.69	22.52	23.36	23.08	23.04	0-1	1
		25	0	22.75	22.56	23.40	23.12	23.09	0-1	1
	16QAM	1	0	22.50	22.38	23.22	22.81	22.98	0-1	1
		1	12	22.22	22.15	23.05	22.66	22.87	0-1	1
		1	24	22.50	22.33	23.18	22.86	22.94	0-1	1
		12	0	21.62	21.49	22.28	22.04	22.00	0-2	2
		12	6	21.61	21.48	22.29	22.04	22.02	0-2	2
		12	11	21.58	21.47	22.28	22.05	22.00	0-2	2
		25	0	21.67	21.53	22.35	22.08	22.04	0-2	2
	64QAM	1	0	21.73	21.46	22.30	22.12	22.03	0-2	2
		1	12	21.86	21.52	22.32	22.23	22.09	0-2	2
		1	24	21.69	21.48	22.26	22.11	21.91	0-2	2
		12	0	20.62	20.48	21.31	21.02	20.99	0-3	3
		12	6	20.64	20.47	21.28	21.00	20.99	0-3	3
		12	11	20.62	20.47	21.27	21.00	21.00	0-3	3
		25	0	20.62	20.50	21.32	21.05	21.01	0-3	3
	256QAM	1	0	18.51	18.36	19.15	18.99	18.90	0-5	5
		1	12	18.55	18.39	19.11	19.07	18.95	0-5	5
		1	24	18.46	18.34	19.05	18.93	18.90	0-5	5
		12	0	18.61	18.52	19.33	19.05	19.01	0-5	5
		12	6	18.60	18.50	19.31	19.06	18.99	0-5	5
		12	11	18.62	18.49	19.29	19.05	18.99	0-5	5
		25	0	18.64	18.50	19.34	19.06	19.03	0-5	5

LTE Band 41 _ 10 Mhz Bandwidth

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 Mhz	QPSK	1	0	23.32	23.20	24.07	23.77	23.75	0	0
		1	24	23.32	23.21	24.05	23.81	23.77	0	0
		1	49	23.25	23.14	23.94	23.74	23.67	0	0
		25	0	22.71	22.58	23.44	23.17	23.13	0-1	1
		25	12	22.69	22.54	23.40	23.15	23.10	0-1	1
		25	24	22.69	22.55	23.38	23.15	23.09	0-1	1
	16QAM	50	0	22.72	22.57	23.43	23.17	23.13	0-1	1
		1	0	22.46	22.45	23.25	22.93	23.06	0-1	1
		1	24	22.38	22.39	23.02	22.86	22.83	0-1	1
		1	49	22.48	22.39	23.08	22.96	22.95	0-1	1
		25	0	21.67	21.53	22.41	22.14	22.09	0-2	2
		25	12	21.64	21.52	22.36	22.12	22.07	0-2	2
	64QAM	25	24	21.65	21.50	22.33	22.13	22.06	0-2	2
		50	0	21.68	21.53	22.37	22.15	22.10	0-2	2
		1	0	21.59	21.52	22.46	22.07	21.97	0-2	2
		1	24	21.53	21.52	22.44	22.02	21.91	0-2	2
		1	49	21.50	21.50	22.35	22.01	21.86	0-2	2
		25	0	20.61	20.50	21.38	21.09	21.05	0-3	3
	256QAM	25	12	20.60	20.51	21.35	21.08	21.05	0-3	3
		25	24	20.59	20.49	21.33	21.08	21.02	0-3	3
		50	0	20.68	20.53	21.39	21.14	21.09	0-3	3
		1	0	18.49	18.42	19.33	18.96	18.87	0-5	5
		1	24	18.50	18.36	19.22	18.97	18.87	0-5	5
		1	49	18.39	18.32	19.16	18.90	18.79	0-5	5
	256QAM	25	0	18.63	18.49	19.37	19.10	19.04	0-5	5
		25	12	18.62	18.47	19.35	19.09	19.02	0-5	5
		25	24	18.61	18.47	19.31	19.09	19.02	0-5	5
		50	0	18.66	18.52	19.37	19.12	19.07	0-5	5

LTE Band 41 _ 15 Mhz Bandwidth

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 Mhz	QPSK	1	0	23.25	23.14	24.03	23.71	23.68	0	0
		1	36	23.32	23.23	24.07	23.81	23.76	0	0
		1	74	23.28	23.18	23.96	23.77	23.69	0	0
		36	0	22.68	22.56	23.43	23.14	23.10	0-1	1
		36	18	22.66	22.55	23.38	23.12	23.07	0-1	1
		36	39	22.64	22.54	23.34	23.12	23.05	0-1	1
		75	0	22.69	22.56	23.40	23.14	23.09	0-1	1
	16QAM	1	0	22.54	22.45	23.24	23.05	22.91	0-1	1
		1	36	22.23	22.22	23.00	22.66	22.62	0-1	1
		1	74	22.44	22.42	23.08	22.88	22.85	0-1	1
		36	0	21.63	21.52	22.38	22.08	22.05	0-2	2
		36	18	21.60	21.50	22.32	22.06	22.02	0-2	2
		36	39	21.59	21.48	22.29	22.05	22.02	0-2	2
		75	0	21.64	21.51	22.36	22.10	22.05	0-2	2
	64QAM	1	0	21.67	21.55	22.34	22.17	22.17	0-2	2
		1	36	21.57	21.49	22.29	22.15	22.11	0-2	2
		1	74	21.56	21.48	22.21	22.11	22.03	0-2	2
		36	0	20.61	20.52	21.37	21.10	21.04	0-3	3
		36	18	20.60	20.51	21.34	21.09	21.03	0-3	3
		36	39	20.58	20.47	21.28	21.06	21.00	0-3	3
		75	0	20.62	20.50	21.35	21.08	21.02	0-3	3
	256QAM	1	0	18.50	18.42	19.31	19.03	19.03	0-5	5
		1	36	18.37	18.37	19.17	19.03	19.02	0-5	5
		1	74	18.38	18.28	19.10	18.96	18.91	0-5	5
36		0	18.63	18.52	19.39	19.09	19.06	0-5	5	
36		18	18.61	18.50	19.34	19.07	19.03	0-5	5	
36		39	18.61	18.50	19.30	19.06	19.01	0-5	5	
75		0	18.57	18.47	19.29	19.04	18.98	0-5	5	

LTE Band 41 _ 20 Mhz Bandwidth

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 Mhz	QPSK	1	0	23.33	23.20	24.11	23.78	23.76	0	0
		1	49	23.30	23.20	24.02	23.79	23.76	0	0
		1	99	23.23	23.12	23.88	23.72	23.63	0	0
		50	0	22.73	22.59	23.47	23.17	23.16	0-1	1
		50	25	22.70	22.57	23.41	23.15	23.12	0-1	1
		50	49	22.69	22.55	23.35	23.15	23.09	0-1	1
	16QAM	100	0	22.70	22.56	23.41	23.15	23.11	0-1	1
		1	0	22.55	22.40	23.33	22.99	23.02	0-1	1
		1	49	22.37	22.29	23.13	22.89	22.89	0-1	1
		1	99	22.52	22.35	23.11	22.94	22.88	0-1	1
		50	0	21.68	21.57	22.44	22.15	22.11	0-2	2
		50	25	21.65	21.55	22.37	22.13	22.07	0-2	2
	64QAM	50	49	21.62	21.52	22.31	22.11	22.03	0-2	2
		100	0	21.68	21.57	22.41	22.15	22.12	0-2	2
		1	0	21.60	21.49	22.41	22.06	22.07	0-2	2
		1	49	21.57	21.37	22.36	21.95	22.04	0-2	2
		1	99	21.53	21.38	22.26	21.97	21.95	0-2	2
		50	0	20.69	20.58	21.44	21.16	21.12	0-3	3
	256QAM	50	25	20.65	20.55	21.36	21.13	21.09	0-3	3
		50	49	20.63	20.52	21.31	21.10	21.05	0-3	3
		100	0	20.61	20.49	21.32	21.08	21.04	0-3	3
		1	0	18.54	18.42	19.25	18.95	18.92	0-5	5
		1	49	18.46	18.37	19.16	18.93	18.85	0-5	5
		1	99	18.43	18.34	18.97	18.86	18.75	0-5	5
	50	0	18.68	18.57	19.44	19.15	19.12	0-5	5	
	50	25	18.64	18.54	19.37	19.12	19.08	0-5	5	
	50	49	18.62	18.52	19.31	19.10	19.04	0-5	5	
	100	0	18.56	18.46	19.29	19.04	19.01	0-5	5	

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D01v06.