

APPENDIX E: LTE LOWER BANDWIDTH RF CONDUCTED POWERS

Note: Some bands do not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

E.1 LTE Lower Bandwidth RF Conducted Powers

E.1.1 LTE Band 12

Table E-1
LTE Band 12 Conducted Powers - 5 MHz Bandwidth

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			23035 (701.5 MHz)	23095 (707.5 MHz)	23155 (713.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.28	24.80	24.02	0	0
	1	12	24.49	24.52	24.23		0
	1	24	24.66	24.30	24.45		0
	12	0	23.19	23.51	23.16	0-1	1
	12	6	23.30	23.43	23.29		1
	12	13	23.40	23.31	23.33		1
	25	0	23.38	23.45	23.31		1
16QAM	1	0	23.56	24.12	23.40	0-1	1
	1	12	23.74	23.96	23.57		1
	1	24	23.72	23.67	23.80		1
	12	0	22.17	22.59	22.15	0-2	2
	12	6	22.28	22.52	22.26		2
	12	13	22.33	22.36	22.29		2
	25	0	22.36	22.44	22.27		2

Table E-2
LTE Band 12 Conducted Powers - 3 MHz Bandwidth

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			23025 (700.5 MHz)	23095 (707.5 MHz)	23165 (714.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.09	24.20	24.21	0	0
	1	7	24.19	24.15	24.39		0
	1	14	24.29	23.97	24.44		0
	8	0	23.22	23.30	23.34	0-1	1
	8	4	23.26	23.23	23.35		1
	8	7	23.36	23.15	23.40		1
	15	0	23.21	23.21	23.37		1
16QAM	1	0	23.53	23.66	23.52	0-1	1
	1	7	23.64	23.64	23.62		1
	1	14	23.77	23.48	23.67		1
	8	0	22.29	22.39	22.41	0-2	2
	8	4	22.26	22.30	22.42		2
	8	7	22.44	22.26	22.48		2
	15	0	22.27	22.37	22.41		2

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Table E-3
LTE Band 12 Conducted Powers - 1.4 MHz Bandwidth

LTE Band 12 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			23017 (699.7 MHz)	23095 (707.5 MHz)	23173 (715.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.16	24.44	24.46	0	0
	1	2	24.15	24.31	24.49		0
	1	5	24.19	24.28	24.53		0
	3	0	24.19	24.31	24.48		0
	3	2	24.20	24.28	24.47		0
	3	3	24.22	24.27	24.48		0
	6	0	23.19	23.35	23.45		1
16QAM	1	0	23.52	23.61	23.77	0-1	1
	1	2	23.44	23.52	23.73		1
	1	5	23.47	23.54	23.83		1
	3	0	23.33	23.40	23.58		1
	3	2	23.37	23.37	23.60		1
	3	3	23.35	23.33	23.64		1
	6	0	22.32	22.37	22.61	0-2	2

E.1.2 LTE Band 13

Table E-4
LTE Band 13 Conducted Powers - 5 MHz Bandwidth

LTE Band 13 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			23230 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.29	0	0
	1	12	24.50		0
	1	24	24.45		0
	12	0	23.38	0-1	1
	12	6	23.46		1
	12	13	23.53		1
	25	0	23.45		1
16QAM	1	0	23.64	0-1	1
	1	12	23.87		1
	1	24	23.82		1
	12	0	22.38	0-2	2
	12	6	22.45		2
	12	13	22.58		2
	25	0	22.44		2

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E.1.3 LTE Band 14

Table E-5
LTE Band 14 Conducted Powers - 5 MHz Bandwidth

LTE Band 14 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.67	0	0
	1	12	24.54		0
	1	24	24.45		0
	12	0	23.37	0-1	1
	12	6	23.29		1
	12	13	23.22		1
	25	0	23.33		1
16QAM	1	0	23.91	0-1	1
	1	12	23.79		1
	1	24	23.80		1
	12	0	22.31	0-2	2
	12	6	22.29		2
	12	13	22.22		2
	25	0	22.24		2

E.1.4 LTE Band 26

Table E-5
LTE Band 26 Conducted Powers - 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.80	24.66	24.38	0	0
	1	12	24.85	24.77	24.47		0
	1	24	24.84	24.81	24.62		0
	12	0	23.73	23.61	23.47	0-1	1
	12	6	23.74	23.69	23.54		1
	12	13	23.75	23.68	23.60		1
	25	0	23.73	23.70	23.55		1
16QAM	1	0	24.12	24.09	23.78	0-1	1
	1	12	24.27	24.11	23.83		1
	1	24	24.22	24.18	23.98		1
	12	0	22.72	22.64	22.47	0-2	2
	12	6	22.74	22.72	22.48		2
	12	13	22.73	22.71	22.55		2
	25	0	22.71	22.71	22.54		2

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Table E-6
LTE Band 26 Conducted Powers - 3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.64	24.54	24.45	0	0
	1	7	24.75	24.69	24.57		0
	1	14	24.72	24.62	24.60		0
	8	0	23.68	23.62	23.53	0-1	1
	8	4	23.72	23.71	23.57		1
	8	7	23.74	23.75	23.59		1
	15	0	23.70	23.62	23.56		1
16QAM	1	0	23.97	23.94	23.72	0-1	1
	1	7	24.04	23.96	23.81		1
	1	14	24.13	23.98	23.90		1
	8	0	22.72	22.67	22.54	0-2	2
	8	4	22.77	22.77	22.62		2
	8	7	22.80	22.81	22.56		2
	15	0	22.71	22.72	22.57		2

Table E-7
LTE Band 26 Conducted Powers – 1.4 MHz Bandwidth

LTE Band 26 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.68	24.76	24.61	0	0
	1	2	24.64	24.77	24.59		0
	1	5	24.72	24.82	24.67		0
	3	0	24.66	24.70	24.62		0
	3	2	24.69	24.73	24.64		0
	3	3	24.71	24.74	24.65		0
	6	0	23.65	23.72	23.63		0-1
16QAM	1	0	24.02	23.90	23.94	0-1	1
	1	2	23.98	23.86	23.88		1
	1	5	24.04	23.95	23.97		1
	3	0	23.79	23.83	23.79		1
	3	2	23.81	23.74	23.81		1
	3	3	23.83	23.81	23.77		1
	6	0	22.70	22.76	22.74		0-2

E.1.5 LTE Band 5

Table E-8
LTE Band 5 Conducted Powers – 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.79	24.74	24.81	0	0
	1	12	24.87	24.87	24.84		0
	1	24	24.81	24.62	24.69		0
	12	0	23.50	23.84	23.72	0-1	1
	12	6	23.47	23.79	23.78		1
	12	13	23.48	23.77	23.55		1
	25	0	23.51	23.81	23.62		1
16QAM	1	0	23.36	23.49	23.37	0-1	1
	1	12	23.48	23.33	23.41		1
	1	24	23.41	23.24	23.51		1
	12	0	22.19	22.16	22.24	0-2	2
	12	6	22.17	22.14	22.26		2
	12	13	22.23	22.05	22.31		2
	25	0	22.28	22.19	22.26		2

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Table E-9
LTE Band 5 Conducted Powers – 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.79	24.89	24.91	0	0
	1	7	24.86	24.91	24.83		0
	1	14	24.79	24.71	24.89		0
	8	0	23.86	23.84	23.94	0-1	1
	8	4	23.89	23.90	23.81		1
	8	7	23.79	23.87	23.79		1
	15	0	23.78	23.94	23.86		1
16QAM	1	0	23.03	23.12	23.41	0-1	1
	1	7	23.13	23.41	23.48		1
	1	14	23.16	23.12	23.43		1
	8	0	22.17	22.22	22.36	0-2	2
	8	4	22.22	22.04	22.31		2
	8	7	22.19	22.13	22.35		2
	15	0	22.14	22.02	22.39		2

Table E-10
LTE Band 5 Conducted Powers – 1.4 MHz Bandwidth

LTE Band 5 (Cell)							
1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.94	24.74	24.80	0	0
	1	2	24.90	24.79	24.79		0
	1	5	24.87	24.66	24.83		0
	3	0	24.88	24.64	24.86		0
	3	2	24.71	24.69	24.77		0
	3	3	24.66	24.81	24.74		0
	6	0	24.12	24.09	24.07	0-1	1
16QAM	1	0	24.33	24.21	24.49	0-1	1
	1	2	24.10	24.30	24.28		1
	1	5	24.26	24.27	24.33		1
	3	0	24.02	24.31	24.18		1
	3	2	24.16	24.24	24.23		1
	3	3	24.00	23.19	24.19		1
	6	0	22.94	23.18	23.06	0-2	2

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E.1.6 LTE Band 66

Table E-11
LTE Band 66 Conducted Powers – 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.31	23.27	23.26	0	0
	1	36	23.58	23.52	23.36		0
	1	74	23.64	23.50	23.57		0
	36	0	22.59	22.45	22.21	0-1	1
	36	18	22.73	22.60	22.32		1
	36	37	22.81	22.59	22.46		1
	75	0	22.88	22.71	22.55	0-1	1
	15	0	23.44	23.40	23.15		0
	15	30	23.63	23.64	23.29		0
	15	60	23.76	23.63	23.45	0-2	0
	27	0	22.52	22.44	22.22		1
	27	24	22.74	22.61	22.36		1
27	48	22.83	22.59	22.50		1	
16QAM	1	0	22.79	22.80	22.58	0-2	1
	1	36	23.06	22.91	22.60		1
	1	74	23.09	22.93	22.71		1
	15	0	22.48	22.43	22.27	0-3	1
	15	30	22.72	22.62	22.37		1
	15	60	22.80	22.63	22.53		1
	27	0	21.49	21.47	21.24	0-5	2
	27	24	21.70	21.58	21.35		2
	27	48	21.78	21.57	21.42		2

Table E-12
LTE Band 66 Conducted Powers – 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.40	23.42	23.11	0	0
	1	25	23.51	23.52	23.29		0
	1	49	23.72	23.55	23.47		0
	25	0	22.50	22.49	22.32	0-1	1
	25	12	22.52	22.54	22.40		1
	25	25	22.64	22.54	22.50		1
	50	0	22.67	22.58	22.48	0-1	1
	15	0	22.44	22.48	22.27		1
	15	17	22.53	22.54	22.40		1
	15	35	22.73	22.54	22.52	0-2	1
	27	0	22.47	22.46	22.30		1
	27	12	22.58	22.51	22.38		1
27	23	22.62	22.51	22.49		1	
16QAM	1	0	22.72	22.98	22.70	0-2	1
	1	25	22.86	23.00	22.69		1
	1	49	23.11	23.14	22.88		1
	25	0	21.50	21.51	21.30	0-3	2
	25	12	21.52	21.57	21.35		2
	25	25	21.62	21.54	21.49		2
	15	0	21.44	21.47	21.25	0-5	2
	15	17	21.47	21.61	21.39		2
	15	35	21.67	21.61	21.49		2
	27	0	21.44	21.52	21.28		2
	27	12	21.53	21.52	21.35		2
	27	23	21.64	21.52	21.43		2

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Table E-13
LTE Band 66 Conducted Powers – 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.36	23.32	23.31	0	0
	1	12	23.20	23.29	23.30		0
	1	24	23.26	23.34	23.26		0
	12	0	22.43	22.48	22.52	0-1	1
	12	6	22.41	22.46	22.55		1
	12	13	22.42	22.46	22.58		1
16QAM	25	0	22.45	22.48	22.58	0-1	1
	1	0	22.86	22.81	22.67		1
	1	12	22.73	22.85	22.73		1
	1	24	22.80	22.68	22.82	0-2	1
	12	0	21.72	21.74	21.76		2
	12	6	21.80	21.77	21.76		2
	12	13	21.78	21.78	21.82		2
	25	0	21.75	21.77	21.74		2

Table E-14
LTE Band 66 Conducted Powers – 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.25	23.19	23.28	0	0
	1	7	23.24	23.30	23.32		0
	1	14	23.11	23.17	23.33		0
	8	0	22.43	22.48	22.58	0-1	1
	8	4	22.42	22.48	22.58		1
	8	7	22.50	22.47	22.60		1
16QAM	15	0	22.46	22.55	22.60	0-1	1
	1	0	22.72	22.71	22.82		1
	1	7	22.71	22.74	23.02		1
	1	14	22.68	22.70	22.91	0-2	1
	8	0	21.82	21.88	21.82		2
	8	4	21.78	21.87	21.76		2
	8	7	21.76	21.84	21.83		2
	15	0	21.75	21.84	21.81		2

Table E-15
LTE Band 66 Conducted Powers – 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.31	23.29	23.49	0	0
	1	2	23.24	23.28	23.47		0
	1	5	23.10	23.35	23.55		0
	3	0	23.20	23.28	23.57		0
	3	2	23.13	23.29	23.58		0
	3	3	23.14	23.26	23.59		0
16QAM	6	0	22.38	22.47	22.72	0-1	1
	1	0	22.60	22.55	23.07	0-1	1
	1	2	22.63	22.76	23.13		1
	1	5	22.43	22.64	23.01		1
	3	0	22.65	22.75	22.86		1
	3	2	22.62	22.82	22.90		1
	3	3	22.62	22.76	22.83		1
	6	0	21.84	21.84	21.90	0-2	2

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E.1.7 LTE Band 25

Table E-16
LTE Band 25 Conducted Powers – 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.42	23.53	23.49	0	0
	1	36	23.37	23.43	23.41		0
	1	74	23.78	23.26	23.48		0
	36	0	22.43	22.61	22.40	0-1	1
	36	18	22.46	22.55	22.37		1
	36	37	22.42	22.44	22.25		1
	75	0	22.59	22.53	22.65	0-1	1
	15	0	23.45	23.61	23.26		0
	15	30	23.49	23.60	23.31		0
	15	60	23.47	23.46	23.25	0-2	0
	27	0	22.44	22.63	22.41		1
	27	24	22.47	22.59	22.31		1
	27	48	22.40	22.44	22.20	1	
	16QAM	1	0	22.79	22.80	22.82	0-2
1		36	22.76	22.62	22.62	1	
1		74	22.82	22.55	22.77	1	
15		0	22.52	22.61	22.55	0-3	1
15		30	22.48	22.63	22.37		1
15		60	22.43	22.48	22.27		1
27		0	21.52	21.66	21.42	0-5	2
27		24	21.49	21.65	21.31		2
27		48	21.43	21.56	21.26		2

Table E-17
LTE Band 25 Conducted Powers – 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.32	23.49	23.12	0	0
	1	25	23.24	23.38	22.91		0
	1	49	23.28	23.27	23.12		0
	25	0	22.43	22.50	22.14	0-1	1
	25	12	22.38	22.46	22.11		1
	25	25	22.44	22.44	22.12		1
	50	0	22.41	22.48	22.28	0-1	1
	15	0	22.41	22.56	22.20		1
	15	17	22.37	22.47	22.07		1
	15	35	22.41	22.36	22.19	0-2	1
	27	0	22.38	22.50	22.15		1
	27	12	22.35	22.45	22.09		1
	27	23	22.42	22.44	22.11	1	
	16QAM	1	0	22.86	23.01	22.51	0-2
1		25	22.52	22.97	22.24	1	
1		49	22.80	22.70	22.61	1	
25		0	21.49	21.58	21.25	0-3	2
25		12	21.45	21.51	21.17		2
25		25	21.49	21.51	21.14		2
15		0	21.50	21.67	21.28	0-5	2
15		17	21.42	21.55	21.15		2
15		35	21.50	21.43	21.25		2
27		0	21.44	21.51	21.26	2	
27		12	21.40	21.49	21.14	2	
27		23	21.48	21.58	21.14	2	

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Table E-18
LTE Band 25 Conducted Powers – 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.45	23.46	22.90	0	0
	1	12	23.43	23.41	23.01		0
	1	24	23.42	23.42	23.08		0
	12	0	22.39	22.43	22.02	0-1	1
	12	6	22.37	22.41	22.04		1
	12	13	22.36	22.41	22.14		1
	25	0	22.39	22.40	22.05		1
16QAM	1	0	22.84	22.63	22.26	0-1	1
	1	12	22.75	22.70	22.40		1
	1	24	22.85	22.68	22.51		1
	12	0	21.46	21.43	21.06	0-2	2
	12	6	21.47	21.46	21.09		2
	12	13	21.38	21.44	21.19		2
	25	0	21.43	21.43	21.13		2

Table E-19
LTE Band 25 Conducted Powers – 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.27	23.30	22.95	0	0
	1	7	23.34	23.31	23.16		0
	1	14	23.29	23.26	23.02		0
	8	0	22.37	22.43	22.08	0-1	1
	8	4	22.36	22.39	22.13		1
	8	7	22.37	22.39	22.14		1
	15	0	22.36	22.42	22.15		1
16QAM	1	0	22.75	22.67	22.16	0-1	1
	1	7	22.87	22.70	22.66		1
	1	14	22.61	22.60	22.49		1
	8	0	21.41	21.55	21.25	0-2	2
	8	4	21.37	21.60	21.23		2
	8	7	21.41	21.57	21.26		2
	15	0	21.46	21.48	21.16		2

Table E-20
LTE Band 25 Conducted Powers – 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.35	23.35	23.33	0	0
	1	2	23.35	23.32	23.25		0
	1	5	23.36	23.35	23.26		0
	3	0	23.39	23.45	23.13		0
	3	2	23.40	23.42	23.14		0
	3	3	23.43	23.43	23.13		0
	6	0	22.42	22.43	22.15	0-1	1
16QAM	1	0	22.75	22.63	22.48	0-1	1
	1	2	22.46	22.78	22.50		1
	1	5	22.69	22.83	22.48		1
	3	0	22.63	22.61	22.39		1
	3	2	22.66	22.65	22.33		1
	3	3	22.59	22.73	22.28		1
	6	0	21.57	21.60	21.29	0-2	2

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E.1.8 LTE Band 7

Table E-21
LTE Band 7 Conducted Powers – 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	22.67	22.60	22.63	0	0
	1	36	22.69	22.45	22.63		0
	1	74	22.61	22.38	22.57		0
	36	0	21.77	21.58	21.46	0-1	1
	36	18	21.72	21.52	21.51		1
	36	37	21.67	21.48	21.52		1
	75	0	21.83	21.60	21.69	0-1	1
	15	0	22.71	22.57	22.43		0
	15	30	22.74	22.53	22.47		0
	15	60	22.70	22.48	22.46	0-2	0
	27	0	21.74	21.57	21.44		1
	27	24	21.72	21.52	21.52		1
27	48	21.66	21.46	21.50	1		
16QAM	1	0	21.85	22.10	21.99	0-2	1
	1	36	21.96	21.96	21.79		1
	1	74	21.94	21.89	21.86		1
	15	0	21.80	21.62	21.54	0-3	1
	15	30	21.83	21.60	21.53		1
	15	60	21.76	21.55	21.55		1
	27	0	20.73	20.62	20.49	0-5	2
	27	24	20.79	20.59	20.51		2
	27	48	20.73	20.59	20.49		2

Table E-22
LTE Band 7 Conducted Powers – 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	22.66	22.61	22.44	0	0
	1	25	22.67	22.51	22.42		0
	1	49	22.70	22.51	22.42		0
	25	0	21.74	21.55	21.53	0-1	1
	25	12	21.71	21.53	21.51		1
	25	25	21.78	21.51	21.52		1
	50	0	21.82	21.55	21.56	0-1	1
	15	0	21.76	21.59	21.50		1
	15	17	21.75	21.53	21.52		1
	15	35	21.80	21.53	21.53	0-2	1
	27	0	21.80	21.52	21.49		1
	27	12	21.77	21.51	21.49		1
	27	23	21.77	21.51	21.49	0-2	1
	1	0	21.98	22.07	22.08		1
16QAM	1	25	22.00	21.74	21.82	0-2	1
	1	49	22.02	21.96	21.78		1
	25	0	20.78	20.60	20.48	0-3	2
	25	12	20.77	20.58	20.56		2
	25	25	20.75	20.54	20.55		2
	15	0	20.80	20.64	20.56	0-5	2
	15	17	20.79	20.57	20.53		2
	15	35	20.71	20.57	20.57		2
	27	0	20.72	20.54	20.55	0-5	2
	27	12	20.76	20.52	20.55		2
	27	23	20.71	20.48	20.55		2

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Table E-23
LTE Band 7 Conducted Powers – 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	22.71	22.58	22.35	0	0
	1	12	22.79	22.57	22.36		0
	1	24	22.83	22.59	22.39		0
	12	0	21.73	21.48	21.46	0-1	1
	12	6	21.71	21.47	21.44		1
	12	13	21.75	21.46	21.45		1
	25	0	21.72	21.47	21.44		1
16QAM	1	0	21.98	21.84	21.77	0-1	1
	1	12	22.14	21.73	21.88		1
	1	24	22.14	21.78	21.97		1
	12	0	20.76	20.57	20.49	0-2	2
	12	6	20.76	20.50	20.43		2
	12	13	20.84	20.56	20.44		2
	25	0	20.71	20.55	20.46		2

E.1.9 LTE Band 41

Table E-24
LTE Band 41 Conducted Powers – 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	22.55	22.57	22.46	22.45	22.33	0	0
	1	36	22.77	22.45	22.51	22.48	22.42		0
	1	74	22.74	22.30	22.44	22.38	22.48		0
	36	0	21.58	21.44	21.38	21.46	21.27		1
	36	18	21.70	21.33	21.35	21.45	21.33	0-1	1
	36	37	21.69	21.25	21.35	21.39	21.33		1
	75	0	21.70	21.35	21.38	21.44	21.37		1
	15	0	22.51	22.45	22.36	22.44	22.27		0
	15	30	22.68	22.38	22.42	22.47	22.36	0-1	0
	15	60	22.71	22.26	22.39	22.36	22.37		0
	27	0	21.60	21.44	21.36	21.44	21.26		1
	27	24	21.65	21.36	21.37	21.44	21.33		1
	27	48	21.65	21.21	21.34	21.37	21.33	0-2	1
									1
16QAM	1	0	21.68	21.31	21.53	21.68	21.20	0-2	1
	1	36	21.86	21.32	21.56	21.69	21.30		1
	1	74	21.94	20.97	21.51	21.66	21.29		1
	15	0	21.52	21.42	21.31	21.42	21.28		1
	15	30	21.64	21.35	21.35	21.45	21.34	0-3	1
	15	60	21.69	21.22	21.32	21.40	21.32		1
	27	0	20.54	20.42	20.28	20.43	20.24		2
	27	24	20.60	20.33	20.33	20.46	20.33	0-5	2
	27	48	20.63	20.22	20.31	20.39	20.34		2
									2

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Table E-25
LTE Band 41 Conducted Powers – 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	22.74	22.54	22.51	22.61	22.37	0	0
	1	25	22.76	22.40	22.46	22.59	22.38		0
	1	49	22.81	22.30	22.50	22.57	22.46		0
	25	0	21.66	21.41	21.37	21.46	21.28	0-1	1
	25	12	21.67	21.29	21.30	21.43	21.26		1
	25	25	21.65	21.24	21.31	21.42	21.30		1
	50	0	21.64	21.29	21.31	21.43	21.29	0-1	1
	15	0	21.60	21.44	21.39	21.45	21.26		1
	15	17	21.68	21.32	21.33	21.44	21.28		1
	15	35	21.68	21.24	21.37	21.46	21.31	0-2	1
	27	0	21.63	21.39	21.41	21.49	21.26		1
	27	12	21.59	21.28	21.31	21.40	21.25		1
	27	23	21.63	21.24	21.30	21.39	21.29	0-2	1
	1	0	21.77	21.59	21.48	21.83	21.59		1
	1	25	21.71	21.49	21.52	21.53	21.26		1
16QAM	1	49	21.83	21.56	21.43	21.48	21.56	0-2	1
	25	0	20.61	20.39	20.39	20.48	20.24		2
	25	12	20.62	20.31	20.28	20.39	20.26		2
	25	25	20.64	20.28	20.29	20.45	20.32	0-3	2
	15	0	20.58	20.44	20.41	20.49	20.24		2
	15	17	20.63	20.31	20.33	20.46	20.28		2
	15	35	20.71	20.25	20.39	20.43	20.30	0-5	2
	27	0	20.60	20.39	20.32	20.51	20.27		2
	27	12	20.53	20.29	20.27	20.42	20.20		2
	27	23	20.63	20.26	20.28	20.46	20.29		2

Table E-26
LTE Band 41 Conducted Powers – 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	Design MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	22.78	22.45	22.54	22.71	22.32	0	0
	1	12	22.74	22.33	22.43	22.58	22.32		0
	1	24	22.82	22.30	22.45	22.59	22.36		0
	12	0	21.66	21.41	21.34	21.52	21.28	0-1	1
	12	6	21.68	21.32	21.38	21.48	21.28		1
	12	13	21.66	21.28	21.36	21.49	21.30		1
16QAM	25	0	21.62	21.31	21.36	21.49	21.27	0-1	1
	1	0	21.76	21.54	21.56	21.53	21.33		1
	1	12	21.57	21.27	21.29	21.41	21.41		1
	1	24	21.75	21.18	21.55	21.49	21.36	0-2	1
	12	0	20.63	20.39	20.33	20.50	20.30		2
	12	6	20.68	20.29	20.33	20.44	20.28		2
	12	13	20.72	20.27	20.36	20.52	20.30	2	
	25	0	20.63	20.35	20.33	20.46	20.27	2	

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