

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 Power – 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	23.74	23.87	23.55	0	0	
	1	12	23.80	23.72	23.62		0	
	1	24	23.99	23.65	23.81		0	
	QPSK	12	0	22.60	22.80	22.61	0-1	1
		12	6	22.68	22.76	22.81		1
		12	13	22.79	22.67	22.79		1
		25	0	22.77	22.76	22.80		1
1		0	23.00	23.62	22.84	1		
16QAM	1	12	22.86	23.26	23.06	0-1	1	
	1	24	22.99	23.03	23.19		1	
	12	0	21.70	21.91	21.76		2	
	16QAM	12	6	21.81	21.87	21.74	0-2	2
		12	13	21.87	21.77	21.86		2
		25	0	21.84	21.73	21.77		2

**Table E-2
LTE Band 12 Conducted Power – 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	23.71	23.76	23.65	0	0	
	1	7	23.68	23.78	23.76		0	
	1	14	23.69	23.65	23.72		0	
	QPSK	8	0	22.73	22.83	22.81	0-1	1
		8	4	22.72	22.78	22.85		1
		8	7	22.81	22.77	22.89		1
		15	0	22.79	22.80	22.87		1
1		0	23.01	23.17	23.13	1		
16QAM	1	7	23.04	23.25	23.30	0-1	1	
	1	14	23.09	22.97	23.29		1	
	8	0	21.83	22.00	21.93		2	
	16QAM	8	4	21.87	21.93	21.94	0-2	2
		8	7	21.93	21.92	22.00		2
		15	0	21.79	21.93	21.90		2

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Table E-3
LTE Band 12 Conducted Power – 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	23.60	24.00	23.89	0	0
	1	2	23.51	23.90	23.91		0
	1	5	23.52	23.86	23.95		0
	3	0	23.62	23.83	23.89		0
	3	2	23.62	23.81	23.86		0
	3	3	23.61	23.84	23.85		0
16QAM	6	0	22.57	22.65	22.92	0-1	1
	1	0	22.73	23.03	23.10		1
	1	2	22.84	22.87	23.01		1
	1	5	22.88	22.89	22.89		1
	3	0	22.92	22.99	22.92		1
	3	2	22.83	23.02	22.93		1
	3	3	22.83	22.88	22.93		1
	6	0	21.71	21.93	21.98		0-2

E.1.2 LTE Band 13

Table E-4
LTE Band 13 Conducted Power – 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	24.25	0	0
	1	12	24.33		0
	1	24	24.24		0
	12	0	23.78	0-1	1
	12	6	23.77		1
	12	13	23.82		1
16QAM	25	0	23.85	0-1	1
	1	0	23.75		1
	1	12	23.90		1
	1	24	23.79	0-2	1
	12	0	22.31		2
	12	6	22.32		2
	12	13	22.37		2
25	0	22.38	2		

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E.1.3 LTE Band 14

**Table E-5
LTE Band 14 Conducted Power – 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	24.45	0	0
	1	12	24.44		0
	1	24	24.44		0
	12	0	23.71	0-1	1
	12	6	23.77		1
	12	13	23.78		1
16QAM	25	0	23.79	0-1	1
	1	0	23.72		1
	1	12	23.76		1
	1	24	23.68	0-2	1
	12	0	22.16		2
	12	6	22.23		2
	12	13	22.18		2
25	0	22.29	2		

E.1.4 LTE Band 26

**Table E-6
LTE Band 26 Conducted Power – 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	24.53	24.68	24.37	0	0	
	1	12	24.51	24.68	24.32		0	
	1	24	24.48	24.62	24.30		0	
	QPSK	12	0	24.04	23.95	23.92	0-1	1
		12	6	23.98	23.98	23.92		1
		12	13	23.97	23.97	23.95		1
		25	0	23.98	23.99	23.98	0-1	1
1		0	24.07	24.04	23.81	1		
1		12	24.02	24.12	23.76	1		
16QAM	1	24	23.91	24.03	23.75	0-1	1	
	12	0	22.52	22.50	22.52		2	
	12	6	22.49	22.58	22.49		0-2	2
	12	13	22.49	22.53	22.52	2		
	25	0	22.48	22.54	22.48	2		

**Table E-7
LTE Band 26 Conducted Power – 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	24.35	24.37	24.32	0	0	
	1	7	24.42	24.46	24.39		0	
	1	14	24.35	24.37	24.34		0	
	QPSK	8	0	23.92	23.96	23.95	0-1	1
		8	4	23.98	24.01	23.98		1
		8	7	23.98	24.00	23.93		1
		15	0	24.00	24.01	23.98	0-1	1
1		0	23.98	23.91	23.67	1		
1		7	23.90	24.02	23.82	1		
16QAM	1	14	23.94	23.83	23.65	0-1	1	
	8	0	22.55	22.60	22.57		0-2	2
	8	4	22.61	22.57	22.53			2
	8	7	22.61	22.60	22.52	0-2	2	
	15	0	22.61	22.54	22.49		2	

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**Table E-8
LTE Band 26 Conducted Power – 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	24.47	24.48	24.51	0	0
	1	2	24.47	24.47	24.45		0
	1	5	24.51	24.49	24.51		0
	3	0	24.52	24.53	24.46		0
	3	2	24.53	24.54	24.47		0
	3	3	24.51	24.54	24.46		0
	6	0	24.01	24.02	23.95		0-1
16QAM	1	0	23.86	24.06	23.62	0-1	1
	1	2	23.81	24.05	23.57		1
	1	5	23.81	23.98	23.60		1
	3	0	23.72	23.75	23.62		1
	3	2	23.71	23.72	23.60		1
	3	3	23.69	23.75	23.58		1
	6	0	22.66	22.64	22.56		0-2

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E.1.5 LTE Band 5

**Table E-9
LTE Band 5 Conducted Power – 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	24.94	24.92	25.12	0	0	
	1	12	24.93	24.8	25.05		0	
	1	24	24.9	24.81	24.95		0	
	QPSK	12	0	24.01	23.97	23.94	0-1	1
		12	6	23.98	23.93	23.95		1
		12	13	23.95	24	23.96		1
		25	0	23.97	23.95	23.97		1
1		0	23.82	23.74	24.03	1		
16QAM	1	12	23.79	23.94	23.97	0-1	1	
	1	24	23.84	23.91	23.77		1	
	12	0	22.56	22.58	22.57		2	
	16QAM	12	6	22.53	22.52	22.53	0-2	2
		12	13	22.50	22.60	22.58		2
		25	0	22.53	22.54	22.52		2

**Table E-10
LTE Band 5 Conducted Power – 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	24.41	24.49	24.38	0	0	
	1	7	24.46	24.50	24.46		0	
	1	14	24.40	24.51	24.37		0	
	QPSK	8	0	23.98	23.95	23.92	0-1	1
		8	4	23.96	23.95	23.95		1
		8	7	23.96	24.01	23.93		1
		15	0	23.98	23.97	23.96		1
1		0	23.65	23.91	23.74	1		
16QAM	1	7	23.73	23.89	23.91	0-1	1	
	1	14	23.63	23.83	23.78		1	
	8	0	22.59	22.56	22.48		2	
	16QAM	8	4	22.55	22.53	22.52	0-2	2
		8	7	22.59	22.60	22.49		2
		15	0	22.55	22.54	22.45		2

**Table E-11
LTE Band 5 Conducted Power – 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	24.47	24.43	24.47	0	0
	1	2	24.43	24.40	24.43		0
	1	5	24.47	24.42	24.47		0
	3	0	24.51	24.48	24.42		0
	3	2	24.51	24.48	24.43		0
	3	3	24.52	24.29	24.42		0
	6	0	24.00	23.96	23.93		0-1
16QAM	1	0	23.75	23.95	23.63	0-1	1
	1	2	23.81	23.84	23.62		1
	1	5	23.83	23.83	23.64		1
	3	0	23.73	23.60	23.59		1
	3	2	23.66	23.62	23.61		1
	3	3	23.68	23.62	23.54		1
	6	0	22.70	22.58	22.54		0-2

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E.1.6 LTE Band 66

Table E-12
LTE Band 66 Conducted Power – 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	23.47	23.34	23.29	0	0
	1	36	23.54	23.33	23.25		0
	1	74	23.37	23.26	23.13		0
	36	0	23.13	23.11	22.97	0-1	1
	36	18	23.00	23.06	23.02		1
	36	37	22.91	23.04	22.93		1
	75	0	23.15	23.14	23.09	0-1	1
	15	0	23.30	23.44	23.16		0
	15	30	23.32	23.45	23.24		0
	15	60	23.13	23.35	23.09	0-2	0
	27	0	22.99	23.09	22.77		1
	27	24	23.00	23.05	22.88		1
	27	48	22.90	22.99	22.81	0-2	1
	1	0	22.57	22.52	22.90		1
	1	36	22.63	22.63	22.69		1
1	74	22.54	22.41	22.44	0-3	1	
15	0	22.37	22.51	22.55		1	
15	30	22.42	22.53	22.45		1	
15	60	22.27	22.42	22.31	0-5	1	
27	0	21.69	21.79	21.69		2	
27	24	21.68	21.72	21.74		2	
27	48	21.68	21.66	21.65	2		

Table E-13
LTE Band 66 Conducted Power – 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	23.03	23.06	23.16	0	0
	1	25	23.01	23.00	22.93		0
	1	49	23.03	22.99	23.00		0
	25	0	22.41	22.50	22.43	0-1	1
	25	12	22.47	22.41	22.41		1
	25	25	22.47	22.47	22.37		1
	50	0	22.48	22.51	22.48	0-1	1
	15	0	22.40	22.54	22.17		1
	15	17	22.26	22.47	22.40		1
	15	35	22.23	22.45	22.10	0-2	1
	27	0	22.46	22.51	22.39		1
	27	12	22.41	22.45	22.38		1
	27	23	22.44	22.45	22.35	0-2	1
	1	0	22.83	22.85	22.89		1
	1	25	22.76	22.67	22.72		1
1	49	22.80	22.73	22.57	0-3	1	
25	0	21.79	21.88	21.73		2	
25	12	21.84	21.80	21.73		2	
25	25	21.78	21.81	21.76	0-5	2	
15	0	21.73	21.88	21.84		2	
15	17	21.80	21.82	21.85		2	
15	35	21.85	21.79	21.73	0-5	2	
27	0	21.82	21.84	21.81		2	
27	12	21.73	21.78	21.68		2	
27	23	21.72	21.78	21.68	2		

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Table E-14
LTE Band 66 Conducted Power – 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	23.11	23.26	22.91	0	0	
	1	12	23.11	23.18	22.83		0	
	1	24	23.17	23.19	22.85		0	
	QPSK	12	0	22.35	22.40	22.32	0-1	1
		12	6	22.43	22.40	22.31		1
		12	13	22.46	22.46	22.31		1
		25	0	22.45	22.47	22.36		1
25		0	22.45	22.47	22.36	1		
16QAM	1	0	22.77	23.05	22.76	0-1	1	
	1	12	22.82	22.73	22.57		1	
	1	24	22.94	22.78	22.56		1	
	16QAM	12	0	21.71	21.76	21.76	0-2	2
		12	6	21.79	21.78	21.69		2
		12	13	21.82	21.78	21.71		2
		25	0	21.76	21.75	21.71		2

Table E-15
LTE Band 66 Conducted Power – 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	22.97	23.03	22.97	0	0	
	1	7	22.95	23.07	22.87		0	
	1	14	23.01	23.04	22.85		0	
	QPSK	8	0	22.35	22.43	22.30	0-1	1
		8	4	22.33	22.42	22.27		1
		8	7	22.42	22.49	22.29		1
		15	0	22.35	22.49	22.31		1
15		0	22.79	22.62	22.83	1		
16QAM	1	7	22.83	22.85	22.67	0-1	1	
	1	14	22.93	22.73	22.45		1	
	8	0	21.77	21.91	21.66		2	
	16QAM	8	4	21.77	21.82	21.68	0-2	2
		8	7	21.89	21.91	21.77		2
		15	0	21.74	21.94	21.72		2

Table E-16
LTE Band 66 Conducted Power – 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	23.30	23.32	23.14	0	0	
	1	2	23.08	23.15	23.07		0	
	1	5	23.12	23.19	23.08		0	
	QPSK	3	0	23.09	23.25	22.97	0-1	0
		3	2	23.08	23.24	22.97		0
		3	3	23.09	23.25	22.97		0
		6	0	22.39	22.49	22.26		1
16QAM	1	0	22.83	22.91	22.75	0-1	1	
	1	2	22.91	22.97	22.69		1	
	1	5	22.86	22.89	22.71		1	
	3	0	22.68	22.91	22.62		1	
	3	2	22.69	22.86	22.62		1	
	3	3	22.64	22.84	22.68		1	
	6	0	21.76	22.11	21.77		0-2	2

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E.1.7 LTE Band 25

Table E-17
LTE Band 25 Conducted Power – 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	23.44	23.36	23.69	0	0
	1	36	23.38	23.31	23.54		0
	1	74	23.42	23.36	23.61		0
	36	0	22.51	22.47	22.53	0-1	1
	36	18	22.49	22.44	22.50		1
	36	37	22.48	22.50	22.54		1
	75	0	22.60	22.60	22.75	0-1	1
	15	0	23.56	23.48	23.53		0
	15	30	23.48	23.52	23.42		0
	15	60	23.45	23.52	23.48	0-2	0
	27	0	22.47	22.49	22.53		1
	27	24	22.48	22.49	22.43		1
	27	48	22.49	22.49	22.48	0-2	1
	1	0	22.98	22.83	22.82		1
	1	36	22.74	22.74	22.71		1
16QAM	1	74	22.81	22.81	22.70	0-2	1
	15	0	22.61	22.55	22.59		1
	15	30	22.57	22.56	22.56		1
	15	60	22.58	22.52	22.52	0-3	1
	27	0	21.58	21.49	21.62		2
	27	24	21.50	21.52	21.56		2
	27	48	21.47	21.57	21.54	0-5	2
							2
							2

Table E-18
LTE Band 25 Conducted Power – 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	23.44	23.34	23.44	0	0
	1	25	23.39	23.32	23.30		0
	1	49	23.40	23.37	23.47		0
	25	0	22.51	22.42	22.48	0-1	1
	25	12	22.47	22.38	22.51		1
	25	25	22.44	22.44	22.57		1
	50	0	22.51	22.48	22.64	0-1	1
	15	0	22.46	22.47	22.47		1
	15	17	22.48	22.43	22.46		1
	15	35	22.45	22.54	22.54	0-2	1
	27	0	22.47	22.44	22.50		1
	27	12	22.46	22.48	22.46		1
	27	23	22.45	22.47	22.55	0-2	1
	1	0	22.93	22.85	22.99		1
	1	25	22.82	22.82	22.72		1
16QAM	1	49	22.77	22.62	22.91	0-2	1
	25	0	21.56	21.51	21.51		2
	25	12	21.54	21.44	21.51		2
	25	25	21.53	21.51	21.59	0-3	2
	15	0	21.57	21.50	21.59		2
	15	17	21.56	21.53	21.52		2
	15	35	21.52	21.60	21.61	0-5	2
	27	0	21.57	21.53	21.44		2
	27	12	21.48	21.55	21.47		2
	27	23	21.49	21.57	21.54	2	

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Table E-19
LTE Band 25 Conducted Power – 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	23.57	23.35	23.50	0	0
	1	12	23.56	23.31	23.51		0
	1	24	23.57	23.32	23.62		0
	12	0	22.46	22.38	22.46	0-1	1
	12	6	22.49	22.35	22.55		1
	12	13	22.47	22.40	22.54		1
	25	0	22.51	22.42	22.58		1
16QAM	1	0	22.90	22.63	22.87	0-1	1
	1	12	22.98	22.67	22.78		1
	1	24	22.90	22.64	22.98		1
	12	0	21.57	21.51	21.49	0-2	2
	12	6	21.56	21.48	21.54		2
	12	13	21.55	21.52	21.46		2
	25	0	21.57	21.49	21.55		2

Table E-20
LTE Band 25 Conducted Power – 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	23.37	23.26	23.41	0	0
	1	7	23.41	23.37	23.47		0
	1	14	23.39	23.29	23.44		0
	8	0	22.43	22.40	22.51	0-1	1
	8	4	22.41	22.45	22.49		1
	8	7	22.46	22.44	22.50		1
	15	0	22.41	22.46	22.54		1
16QAM	1	0	22.88	22.82	22.91	0-1	1
	1	7	22.97	22.85	22.82		1
	1	14	22.78	22.82	22.51		1
	8	0	21.59	21.49	21.47	0-2	2
	8	4	21.49	21.53	21.55		2
	8	7	21.58	21.50	21.58		2
	15	0	21.54	21.47	21.52		2

Table E-21
LTE Band 25 Conducted Power – 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	23.44	23.49	23.50	0	0
	1	2	23.45	23.47	23.49		0
	1	5	23.47	23.49	23.45		0
	3	0	23.46	23.36	23.56	0-1	0
	3	2	23.46	23.42	23.53		0
	3	3	23.45	23.42	23.43		0
	6	0	22.44	22.40	22.50		1
16QAM	1	0	22.95	22.52	22.80	0-1	1
	1	2	22.89	22.43	22.81		1
	1	5	22.77	22.71	22.87		1
	3	0	22.55	22.54	22.69	0-2	1
	3	2	22.69	22.59	22.69		1
	3	3	22.71	22.66	22.65		1
	6	0	21.59	21.61	21.61		2

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E.1.8 LTE Band 7

**Table E-22
LTE Band 7 Conducted Power – 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	22.71	23.15	23.00	0	0	
	1	36	22.67	22.96	22.92		0	
	1	74	22.87	22.94	22.91		0	
	36	0	21.77	21.98	21.96	0-1	1	
	36	18	21.79	21.88	21.96		1	
	36	37	21.81	21.83	21.94		1	
	75	0	21.92	21.98	22.14	1		
	15	0	22.76	22.98	22.96	0-1	0	
	15	30	22.80	22.90	22.95		0	
	15	60	22.86	22.78	22.95		0	
	27	0	21.75	21.99	21.97	0-2	1	
	27	24	21.77	21.89	21.96		1	
	27	48	21.86	21.84	21.95		1	
	16QAM	1	0	22.12	22.25	22.44	0-2	1
		1	36	22.01	21.94	22.35		1
1		74	22.33	21.97	22.12	1		
15		0	21.78	22.02	22.00	0-3	1	
15		30	21.77	21.88	22.00		1	
15		60	21.86	21.86	21.95		1	
27		0	20.76	20.98	20.92	0-5	2	
27		24	20.77	20.85	20.98		2	
27		48	20.82	20.86	20.95		2	
27		48	20.82	20.86	20.95		2	

**Table E-23
LTE Band 7 Conducted Power – 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	22.82	22.89	22.91	0	0	
	1	25	22.71	22.78	22.88		0	
	1	49	22.80	22.79	22.91		0	
	25	0	21.77	21.93	21.97	0-1	1	
	25	12	21.76	21.90	21.94		1	
	25	25	21.84	21.88	21.97		1	
	50	0	21.88	21.92	22.01	1		
	15	0	21.77	21.97	21.96	0-1	1	
	15	17	21.79	21.87	21.94		1	
	15	35	21.85	21.89	21.97		1	
	27	0	21.82	21.94	21.95	0-2	1	
	27	12	21.78	21.91	21.93		1	
	27	23	21.84	21.90	21.95		1	
	16QAM	1	0	22.12	22.27	22.38	0-2	1
		1	25	22.04	22.23	22.13		1
1		49	22.08	22.21	22.20	1		
25		0	20.84	20.93	20.97	0-3	2	
25		12	20.79	20.90	20.99		2	
25		25	20.84	20.87	20.99		2	
15		0	20.82	20.98	20.98	0-5	2	
15		17	20.80	20.89	20.98		2	
15		35	20.80	20.84	21.03		2	
27		0	20.76	20.93	20.97		2	
27	12	20.74	20.92	20.95	2			
27	23	20.85	20.89	20.97	2			

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Table E-24
LTE Band 7 Conducted Power – 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	22.83	22.76	22.93	0	0	
	1	12	22.78	22.71	22.92		0	
	1	24	22.80	22.68	22.99		0	
	QPSK	12	0	21.79	21.85	21.92	0-1	1
		12	6	21.76	21.89	21.92		1
		12	13	21.75	21.88	21.92		1
		25	0	21.77	21.91	21.92		1
1		0	22.23	22.12	22.29	1		
16QAM	1	12	22.10	22.09	22.16	0-1	1	
	1	24	22.03	22.08	22.44		1	
	12	0	20.84	20.94	20.89		2	
	16QAM	12	6	20.78	20.91	20.94	0-2	2
		12	13	20.80	20.91	20.95		2
		25	0	20.79	20.91	20.99		2
		25	0	20.79	20.91	20.99		2

E.1.9 LTE Band 41

Table E-25
LTE Band 41 Conducted Power – 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	22.77	23.02	23.02	22.77	22.65	0	0	
	1	36	22.82	22.90	23.00	22.66	22.64		0	
	1	74	22.98	22.87	22.93	22.57	22.67		0	
	QPSK	36	0	21.71	21.89	21.97	21.61	21.45	0-1	1
		36	18	21.73	21.84	21.96	21.54	21.50		1
		36	37	21.81	21.83	21.90	21.51	21.48		1
		75	0	21.84	21.86	21.95	21.56	21.52		1
		15	0	22.65	22.96	22.99	22.67	22.50		0
		15	30	22.75	22.87	23.00	22.59	22.52		0-1
	QPSK	15	60	22.88	22.84	22.92	22.52	22.56	0-2	0
		27	0	21.63	21.88	21.96	21.61	21.51		1
		27	24	21.72	21.82	21.95	21.58	21.48		1
		27	48	21.81	21.83	21.88	21.53	21.46		1
		1	0	21.83	22.25	21.91	21.77	21.81		1
		1	36	21.84	22.06	21.85	21.70	21.78		0-2
16QAM	1	74	22.08	22.00	21.69	21.69	21.72	0-3	1	
	15	0	21.59	21.95	21.97	21.64	21.47		1	
	15	30	21.70	21.86	22.01	21.56	21.50		1	
	15	60	21.79	21.82	21.93	21.49	21.49		1	
	27	0	20.66	20.92	20.94	20.58	20.46		2	
	27	24	20.71	20.83	20.93	20.56	20.45		2	
	27	48	20.83	20.81	20.85	20.52	20.43		2	
	27	0	20.66	20.92	20.94	20.58	20.46		2	
	27	24	20.71	20.83	20.93	20.56	20.45		2	

Table E-26
LTE Band 41 Conducted Power – 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	22.71	22.97	23.11	22.71	22.54	0	0	
	1	25	22.80	22.91	23.10	22.64	22.58		0	
	1	49	22.94	22.92	23.06	22.63	22.58		0	
	QPSK	25	0	21.67	21.87	21.97	21.61	21.46	0-1	1
		25	12	21.67	21.79	21.96	21.52	21.43		1
		25	25	21.84	21.86	21.90	21.52	21.42		1
		50	0	21.76	21.87	21.98	21.55	21.44		1
		15	0	21.72	21.93	22.01	21.61	21.41		1
		15	17	21.72	21.85	22.00	21.55	21.44		0-1
	QPSK	15	35	21.86	21.87	21.92	21.54	21.43	0-2	1
		27	0	21.69	21.89	21.97	21.58	21.45		1
		27	12	21.68	21.82	21.95	21.50	21.41		1
		27	23	21.79	21.82	21.89	21.52	21.43		1
		1	0	21.80	22.12	22.21	21.90	21.53		1
		1	25	21.87	22.00	22.03	21.77	21.67		0-2
16QAM	1	49	21.84	22.00	21.96	21.63	21.67	0-3	1	
	25	0	20.66	20.87	20.92	20.60	20.41		2	
	25	12	20.69	20.78	20.92	20.56	20.43		2	
	25	25	20.73	20.87	20.85	20.53	20.41		2	
	15	0	20.60	20.90	20.92	20.63	20.49		2	
	15	17	20.66	20.85	20.93	20.56	20.45		2	
	15	35	20.83	20.88	20.86	20.55	20.47		2	
	27	0	20.70	20.89	20.88	20.54	20.51		2	
	27	12	20.65	20.81	20.88	20.45	20.40		2	
	27	23	20.76	20.81	20.79	20.48	20.43		2	

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**Table E-27
LTE Band 41 Conducted Power – 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	22.87	22.96	23.09	22.82	22.59	0	0	
	1	12	22.88	22.89	23.07	22.68	22.51		0	
	1	24	22.95	22.91	22.97	22.70	22.53		0	
	12	0	21.72	21.96	21.94	21.67	21.53	0-1	1	
	12	6	21.72	21.90	21.93	21.57	21.50		1	
	12	13	21.76	21.90	21.94	21.56	21.50		1	
	25	0	21.74	21.90	21.94	21.58	21.51		1	
	16QAM	1	0	21.68	21.97	22.08	21.52	21.65	0-1	1
		1	12	21.61	21.98	21.92	21.56	21.54		1
		1	24	21.82	21.81	21.86	21.60	21.57		1
12		0	20.71	20.91	20.90	20.60	20.50	0-2	2	
12		6	20.72	20.87	21.01	20.61	20.45		2	
12		13	20.72	20.89	20.98	20.55	20.45		2	
25		0	20.74	20.88	20.99	20.58	20.48		2	

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