

APPENDIX E: LTE LOWER BANDWIDTH RF CONDUCTED POWERS

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E.1 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.1.1 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	23095	23155		
			(701.5 MHz)	(707.5 MHz)	(713.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	24.72	24.46	24.69	0	0
	1	12	24.63	24.44	24.68		0
	1	24	24.67	24.51	24.71		0
	12	0	23.51	23.52	23.59	0-1	1
	12	6	23.52	23.5	23.56		1
	12	13	23.5	23.61	23.45		1
	25	0	23.55	23.55	23.55		1
16QAM	1	0	23.55	23.36	23.5	0-1	1
	1	12	23.5	23.34	23.42		1
	1	24	23.56	23.41	23.55		1
	12	0	22.05	22.05	22.01	0-2	2
	12	6	22.04	22.08	22.02		2
	12	13	22.01	22.14	22		2
	25	0	22.02	22.04	22.11		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	24.57	24.46	24.5	0	0
	1	7	24.56	24.5	24.54		0
	1	14	24.5	24.51	24.51		0
	8	0	23.61	23.57	23.62	0-1	1
	8	4	23.56	23.56	23.6		1
	8	7	23.6	23.67	23.55		1
	15	0	23.59	23.6	23.58		1
16QAM	1	0	23.55	23.55	23.42	0-1	1
	1	7	23.45	23.51	23.39		1
	1	14	23.41	23.38	23.45		1
	8	0	22.2	22.17	22.17	0-2	2
	8	4	22.14	22.16	22.16		2
	8	7	22.17	22.22	22.18		2
	15	0	22.14	22.15	22.17		2

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	24.6	24.56	24.63	0	0
	1	2	24.56	24.52	24.61		0
	1	5	24.55	24.55	24.6		0
	3	0	24.61	24.56	24.55		0
	3	2	24.59	24.52	24.53		0
	3	3	24.58	24.54	24.51		0
	6	0	23.61	23.6	23.54	0-1	1
16QAM	1	0	23.46	23.31	23.42	0-1	1
	1	2	23.52	23.32	23.4		1
	1	5	23.45	23.42	23.32		1
	3	0	23.25	23.22	23.24		1
	3	2	23.22	23.27	23.26		1
	3	3	23.21	23.26	23.22		1
	6	0	22.25	22.24	22.21	0-2	2

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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	24.65	0	0
	1	12	24.61		0
	1	24	24.60		0
	12	0	23.55	0-1	1
	12	6	23.46		1
	12	13	23.52		1
	25	0	23.56		1
16QAM	1	0	23.65	0-1	1
	1	12	23.51		1
	1	24	23.46		1
	12	0	22.22	0-2	2
	12	6	22.15		2
	12	13	22.16		2
	25	0	22.22		2

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	24.52	0	0
	1	12	24.70		0
	1	24	24.69		0
	12	0	23.58	0-1	1
	12	6	23.60		1
	12	13	23.65		1
	25	0	23.68		1
16QAM	1	0	23.07	0-1	1
	1	12	23.29		1
	1	24	23.36		1
	12	0	21.71	0-2	2
	12	6	21.83		2
	12	13	21.91		2
	25	0	21.89		2

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E.1.4 LTE Band 26

Table E-6
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	25.09	25.19	25.30	0	0
	1	12	24.99	25.02	25.26		0
	1	24	24.92	25.00	25.00		0
	12	0	24.06	24.13	24.14	0-1	1
	12	6	24.00	24.06	24.11		1
	12	13	23.97	24.03	23.92		1
	25	0	24.02	24.04	24.11		1
16QAM	1	0	24.09	24.12	24.07	0-1	1
	1	12	24.02	24.06	24.10		1
	1	24	23.98	23.95	23.77		1
	12	0	22.66	22.72	22.65	0-2	2
	12	6	22.60	22.58	22.64		2
	12	13	22.56	22.60	22.53		2
	25	0	22.55	22.63	22.62		2

Table E-7
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	25.09	25.08	25.12	0	0
	1	7	25.06	25.03	25.00		0
	1	14	24.95	24.94	24.80		0
	8	0	24.09	24.13	24.07	0-1	1
	8	4	24.06	24.05	23.95		1
	8	7	24.03	24.03	23.90		1
16QAM	15	0	24.08	24.03	23.95	0-1	1
	1	0	24.14	24.05	23.84		1
	1	7	24.15	24.01	23.78		1
	1	14	23.92	23.98	23.64	0-2	1
	8	0	22.67	22.74	22.60		2
	8	4	22.62	22.62	22.56		2
	8	7	22.65	22.58	22.53		2
	15	0	22.57	22.64	22.54		2

Table E-8
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	25.09	25.16	24.95	0	0
	1	2	25.08	25.13	24.86		0
	1	5	25.08	25.15	24.85		0
	3	0	25.12	25.06	24.93		0
	3	2	25.10	25.04	24.90		0
	3	3	25.11	25.03	24.91		0
	6	0	24.12	24.05	23.92		0-1
16QAM	1	0	23.93	24.07	23.74	0-1	1
	1	2	23.88	24.11	23.76		1
	1	5	23.89	24.06	23.75		1
	3	0	23.75	23.77	23.56		1
	3	2	23.71	23.73	23.58		1
	3	3	23.73	23.76	23.54		1
	6	0	22.72	22.62	22.52		0-2

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E.1.5 LTE Band 5

Table E-9
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	25.11	24.93	25.20	0	0
	1	12	25.14	24.83	25.15		0
	1	24	25.19	24.85	24.94		0
	12	0	24.00	23.92	24.05	0-1	1
	12	6	24.02	23.88	24.08		1
	12	13	24.03	23.94	23.93		1
	25	0	24.03	23.89	24.06		1
16QAM	1	0	23.91	23.90	24.06	0-1	1
	1	12	23.95	23.79	24.11		1
	1	24	24.02	23.84	23.83		1
	12	0	22.52	22.49	22.55	0-2	2
	12	6	22.57	22.44	22.59		2
	12	13	22.56	22.47	22.44		2
	25	0	22.56	22.41	22.57		2

Table E-10
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	24.94	24.81	25.09	0	0
	1	7	25.00	24.85	24.97		0
	1	14	24.98	24.82	24.78		0
	8	0	24.01	23.90	24.06	0-1	1
	8	4	24.00	23.87	23.95		1
	8	7	24.03	23.95	23.90		1
	15	0	24.02	23.88	23.94		1
16QAM	1	0	23.94	23.83	23.96	0-1	1
	1	7	24.02	23.87	23.83		1
	1	14	23.99	23.81	23.65		1
	8	0	22.61	22.48	22.62	0-2	2
	8	4	22.58	22.45	22.50		2
	8	7	22.65	22.51	22.44		2
	15	0	22.58	22.45	22.49		2

Table E-11
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	25.04	25.00	24.90	0	0
	1	2	25.04	24.97	24.82		0
	1	5	25.01	24.99	24.81		0
	3	0	25.06	24.93	24.90		0
	3	2	25.05	24.94	24.89		0
	3	3	25.06	24.93	24.81		0
	6	0	24.08	23.93	23.88	0-1	1
16QAM	1	0	24.01	23.71	23.79	0-1	1
	1	2	24.00	23.67	23.77		1
	1	5	24.04	23.60	23.73		1
	3	0	23.77	23.57	23.60		1
	3	2	23.76	23.60	23.52		1
	3	3	23.78	23.58	23.54		1
	6	0	22.67	22.55	22.52	0-2	2

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E.1.6 LTE Band 66

Table E-12
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	23.30	23.41	23.17	0	0
	1	36	23.27	23.38	23.04		0
	1	74	23.29	23.39	23.13		0
	36	0	22.70	22.67	22.53	0-1	1
	36	18	22.69	22.66	22.57		1
	36	37	22.77	22.61	22.55		1
	75	0	22.79	22.70	22.75	0-1	1
	15	0	23.24	23.30	23.09		0
	15	30	23.31	23.29	23.10		0
	15	60	23.23	23.25	23.13	0-2	0
	27	0	22.51	22.67	22.55		1
	27	24	22.52	22.66	22.54		1
16QAM	27	48	22.63	22.61	22.51	0-2	1
	1	0	22.37	22.44	22.67		1
	1	36	22.35	22.56	22.51		1
	1	74	22.41	22.60	22.73	0-3	1
	15	0	22.21	22.27	22.50		1
	15	30	22.23	22.31	22.37		1
	15	60	22.24	22.22	22.42	0-5	1
	27	0	21.53	21.60	21.57		2
	27	24	21.54	21.55	21.61		2
	27	48	21.53	21.54	21.59		2

Table E-13
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	23.23	23.28	23.28	0	0
	1	25	23.20	23.36	23.22		0
	1	49	23.19	23.25	23.27		0
	25	0	22.68	22.62	22.61	0-1	1
	25	12	22.67	22.59	22.60		1
	25	25	22.66	22.60	22.63		1
	50	0	22.72	22.62	22.67	0-1	1
	15	0	22.73	22.65	22.77		1
	15	17	22.84	22.61	22.87		1
	15	35	22.83	22.59	22.85	0-2	1
	27	0	22.66	22.75	22.67		1
	27	12	22.64	22.63	22.68		1
27	23	22.65	22.60	22.70		1	
16QAM	1	0	22.46	22.66	22.55	0-2	1
	1	25	22.43	22.63	22.53		1
	1	49	22.47	22.67	22.63		1
	25	0	21.58	21.63	21.64	0-3	2
	25	12	21.57	21.62	21.62		2
	25	25	21.60	21.56	21.65		2
	15	0	21.61	21.66	21.68	0-5	2
	15	17	21.57	21.57	21.63		2
	15	35	21.55	21.56	21.72		2
	27	0	21.57	21.56	21.59	2	
	27	12	21.59	21.54	21.61	2	
	27	23	21.62	21.52	21.63	2	

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Table E-14
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	23.12	23.32	23.19	0	0
	1	12	23.10	23.36	23.11		0
	1	24	23.08	23.30	23.20		0
	12	0	22.44	22.66	22.50		1
	12	6	22.47	22.65	22.51	0-1	1
	12	13	22.48	22.69	22.53		1
	25	0	22.44	22.60	22.57		1
16QAM	1	0	22.43	22.51	22.47	0-1	1
	1	12	22.50	22.53	22.42		1
	1	24	22.47	22.51	22.53		1
	12	0	21.54	21.58	21.50	0-2	2
	12	6	21.51	21.61	21.49		2
	12	13	21.53	21.53	21.50		2
	25	0	21.54	21.52	21.47		2

Table E-15
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	23.27	23.32	0	0
	1	7	23.19	23.36	23.40		0
	1	14	23.14	23.21	23.33		0
	8	0	22.61	22.74	22.83	0-1	1
	8	4	22.61	22.73	22.84		1
	8	7	22.62	22.73	22.86		1
	15	0	22.78	22.74	22.88		1
16QAM	1	0	22.57	22.60	22.57	0-1	1
	1	7	22.61	22.61	22.63		1
	1	14	22.59	22.58	22.68		1
	8	0	21.79	21.79	21.82	0-2	2
	8	4	21.77	21.76	21.83		2
	8	7	21.80	21.79	21.85		2
	15	0	21.78	21.70	21.83		2

Table E-16
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	23.38	23.53	23.31	0	0
	1	2	23.35	23.42	23.28		0
	1	5	23.36	23.48	23.32		0
	3	0	23.31	23.42	23.33		0
	3	2	23.30	23.43	23.35		0
	3	3	23.31	23.42	23.34		0
	6	0	22.70	22.80	22.72	0-1	1
16QAM	1	0	22.62	22.71	22.65	0-1	1
	1	2	22.61	22.73	22.62		1
	1	5	22.60	22.72	22.60		1
	3	0	22.50	22.60	22.54		1
	3	2	22.57	22.57	22.55		1
	3	3	22.52	22.59	22.52		1
	6	0	21.70	21.87	21.80	0-2	2

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E.1.7 LTE Band 25

Table E-17
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	23.39	23.35	23.33	0	0
	1	36	23.29	23.39	23.28		0
	1	74	23.35	23.38	23.25		0
	36	0	22.39	22.48	22.40	0-1	1
	36	18	22.38	22.47	22.35		1
	36	37	22.37	22.46	22.34		1
	75	0	22.46	22.55	22.59	0-1	1
	15	0	23.35	23.45	23.35		0
	15	30	23.34	23.48	23.33		0
	15	60	23.43	23.46	23.25	0-2	0
	27	0	22.39	22.47	22.32		1
	27	24	22.37	22.47	22.34		1
27	48	22.34	22.45	22.28		1	
16QAM	1	0	22.80	22.83	22.76	0-2	1
	1	36	22.76	22.85	22.79		1
	1	74	22.77	22.81	22.68		1
	15	0	22.51	22.50	22.40	0-3	1
	15	30	22.42	22.52	22.37		1
	15	60	22.45	22.49	22.26		1
	27	0	21.46	21.56	21.40	0-5	2
	27	24	21.45	21.55	21.38		2
	27	48	21.39	21.53	21.34		2

Table E-18
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	23.40	23.41	23.36	0	0	
	1	25	23.39	23.42	23.28		0	
	1	49	23.34	23.42	23.35		0	
		25	0	22.50	22.53	0-1	1	
		25	12	22.47	22.54		22.37	1
		25	25	22.41	22.45		22.36	1
		50	0	22.51	22.55	22.47	0-1	1
		15	0	22.43	22.53	22.33		1
		15	17	22.49	22.54	22.33		1
		15	35	22.41	22.51	22.36	0-2	1
		27	0	22.49	22.52	22.33		1
		27	12	22.46	22.50	22.35		1
	27	23	22.39	22.51	22.38		1	
16QAM	1	0	22.93	22.82	22.85	0-2	1	
	1	25	22.95	22.79	22.70		1	
	1	49	22.98	22.86	22.84		1	
		25	0	21.58	21.65	21.40	0-3	2
		25	12	21.57	21.64	21.39		2
		25	25	21.52	21.61	21.42		2
		15	0	21.51	21.65	21.45	0-5	2
		15	17	21.58	21.61	21.42		2
		15	35	21.53	21.67	21.41		2
		27	0	21.57	21.60	21.36		2
		27	12	21.55	21.64	21.37		2
		27	23	21.50	21.65	21.43		2

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Table E-19
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	23.51	23.60	23.30	0	0
	1	12	23.54	23.59	23.36		0
	1	24	23.53	23.60	23.44		0
	12	0	22.45	22.54	22.30	0-1	1
	12	6	22.49	22.55	22.31		1
	12	13	22.44	22.53	22.33		1
16QAM	25	0	22.45	22.52	22.34	0-1	1
	1	0	22.82	22.92	22.75		1
	1	12	22.94	22.97	22.73		1
	1	24	22.96	22.93	22.82	0-2	1
	12	0	21.51	21.61	21.37		2
	12	6	21.56	21.62	21.35		2
	12	13	21.53	21.60	21.39		2
	25	0	21.54	21.57	21.37	2	

Table E-20
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	23.32	23.45	23.31	0	0
	1	7	23.42	23.51	23.35		0
	1	14	23.37	23.44	23.33		0
	8	0	22.47	22.53	22.31	0-1	1
	8	4	22.50	22.52	22.30		1
	8	7	22.45	22.54	22.32		1
16QAM	15	0	22.51	22.52	22.33	0-1	1
	1	0	22.71	22.97	22.65		1
	1	7	22.83	22.92	22.78		1
	1	14	22.82	22.94	22.73	0-2	1
	8	0	21.52	21.61	21.36		2
	8	4	21.57	21.60	21.42		2
	8	7	21.58	21.61	21.40		2
	15	0	21.53	21.56	21.35	2	

Table E-21
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	23.42	23.64	23.39	0	0
	1	2	23.41	23.62	23.38		0
	1	5	23.43	23.66	23.40		0
	3	0	23.48	23.59	23.29		0
	3	2	23.46	23.58	23.26		0
	3	3	23.47	23.57	23.27		0
	6	0	22.44	22.55	22.33		0-1
16QAM	1	0	22.84	22.84	22.67	0-1	1
	1	2	22.75	22.82	22.65		1
	1	5	22.82	22.78	22.56		1
	3	0	22.66	22.81	22.44		1
	3	2	22.70	22.77	22.42		1
	3	3	22.64	22.78	22.40		1
	6	0	21.61	21.74	21.38		0-2

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E.1.8 LTE Band 7

Table E-22
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	22.61	22.93	22.78	0	0
	1	36	22.82	22.92	22.81		0
	1	74	23.02	22.96	23.15		0
	36	0	21.70	21.80	21.85	0-1	1
	36	18	21.89	21.84	21.85		1
	36	37	22.02	21.94	22.02		1
	75	0	22.08	21.94	22.12	0-1	1
	15	0	22.68	22.81	22.82		0
	15	30	22.96	22.85	22.93		0
	15	60	23.13	22.92	23.10	0-2	0
	27	0	21.69	21.81	21.74		1
	27	24	21.93	21.84	21.93		1
	27	48	22.06	21.89	22.07		1
16QAM	1	0	22.00	22.10	22.19	0-2	1
	1	36	22.17	22.16	22.23		1
	1	74	22.46	22.24	22.57		1
	15	0	21.67	21.90	21.83	0-3	1
	15	30	21.91	21.94	21.91		1
	15	60	22.09	21.98	22.09		1
	27	0	20.66	20.88	20.77	0-5	2
	27	24	20.95	20.89	20.88		2
	27	48	21.08	20.93	20.99		2

Table E-23
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	22.63	22.89	22.83	0	0
	1	25	22.68	22.77	22.92		0
	1	49	22.93	22.91	23.21		0
	25	0	21.72	21.83	21.87	0-1	1
	25	12	21.76	21.86	21.96		1
	25	25	21.89	21.87	22.07		1
	50	0	21.82	21.90	22.05	0-1	1
	15	0	21.65	21.83	21.81		1
	15	17	21.75	21.86	21.96		1
	15	35	21.92	21.92	22.12	0-2	1
	27	0	21.70	21.86	21.86		1
	27	12	21.75	21.83	21.97		1
27	23	21.87	21.85	22.08		1	
16QAM	1	0	22.07	22.41	22.19	0-2	1
	1	25	22.01	22.40	22.29		1
	1	49	22.33	22.49	22.71		1
	25	0	20.72	20.91	20.87	0-3	2
	25	12	20.75	20.83	20.99		2
	25	25	20.93	20.92	21.10		2
	15	0	20.71	20.91	20.83	0-5	2
	15	17	20.82	20.89	21.01		2
	15	35	20.92	21.00	21.14		2
	27	0	20.77	20.95	20.87		2
	27	12	20.80	20.88	20.97		2
	27	23	20.89	20.85	21.06		2

Table E-24
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	22.83	22.82	23.05	0	0
	1	12	22.76	22.76	23.01		0
	1	24	22.77	22.79	23.33		0
	12	0	21.65	21.77	22.00	0-1	1
	12	6	21.68	21.79	22.04		1
	12	13	21.66	21.83	22.13		1
	25	0	21.69	21.83	22.07		1
16QAM	1	0	22.21	22.36	22.31	0-1	1
	1	12	22.23	22.31	22.41		1
	1	24	22.19	22.13	22.58		1
	12	0	20.70	20.87	21.01	0-2	2
	12	6	20.73	20.83	21.04		2
	12	13	20.69	20.83	21.13		2
	25	0	20.77	20.80	21.03		2

Table E-25
LTE Band 7 Reduced 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	21100	21375		
			(2507.5 MHz)	(2535.0 MHz)	(2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.9	21.95	22.08	0	0
	1	36	21.84	21.96	21.95		0
	1	74	21.97	21.94	21.89		0
	36	0	20.71	21	21.07	0-1	1
	36	18	20.79	21.01	21.05		1
	36	37	20.79	21.02	20.98		1
	75	0	20.93	21.08	21.18	0-1	1
	15	0	21.78	21.99	22.05		0
	15	30	21.75	21.97	22.07		0
	15	60	21.81	21.93	21.97	0-2	0
	27	0	20.78	20.94	21.08		1
	27	24	20.78	21.03	21.04		1
	27	48	20.77	21.03	20.97	1	
16QAM	1	0	20.91	21.37	21.45	0-2	1
	1	36	20.78	21.29	21.41		1
	1	74	21.04	21.3	21.3		1
	15	0	20.8	21.02	21.05	0-3	1
	15	30	20.78	21.04	21.06		1
	15	60	20.85	21.03	20.93		1
	27	0	19.77	19.99	20.03	0-5	2
	27	24	19.76	20.01	20.08		2
	27	48	19.76	19.99	19.98		2

Table E-26
LTE Band 7 Reduced 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	21.8	21.98	21.99	0	0
	1	25	21.63	21.92	21.92		0
	1	49	21.67	21.99	21.94		0
	25	0	20.82	20.99	20.99	0-1	1
	25	12	20.77	20.97	21.01		1
	25	25	20.75	20.95	21.01		1
	50	0	20.84	20.99	21.07	0-1	1
	15	0	20.85	21	21.05		1
	15	17	20.79	20.97	21.03		1
	15	35	20.76	21.01	21.01	0-2	1
	27	0	20.81	20.99	21.04		1
	27	12	20.77	20.96	21.01		1
27	23	20.77	20.95	21.02	1		
16QAM	1	0	21.09	21.41	21.36	0-2	1
	1	25	21.3	21.31	21.42		1
	1	49	21.04	21.35	21.42		1
	25	0	19.84	19.99	20.03	0-3	2
	25	12	19.75	20.01	19.98		2
	25	25	19.74	20.02	19.97		2
	15	0	19.85	20.09	20	0-5	2
	15	17	19.76	20.07	19.93		2
	15	35	19.73	20.08	19.97		2
	27	0	19.8	20.02	20		2
	27	12	19.74	20.03	19.97		2
	27	23	19.72	20.02	19.96		2

Table E-27
LTE Band 7 Reduced 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	21.96	21.89	22	0	0
	1	12	21.84	21.82	21.98		0
	1	24	21.9	21.84	22.06		0
	12	0	20.85	20.97	20.99	0-1	1
	12	6	20.83	20.95	20.98		1
	12	13	20.78	20.94	21		1
16QAM	25	0	20.83	20.95	21	0-1	1
	1	0	21.24	21.21	21.28		1
	1	12	21.17	21.16	21.3		1
	1	24	21.12	21.17	21.37	0-2	1
	12	0	19.9	20.08	19.99		2
	12	6	19.85	20.04	20		2
	12	13	19.81	20.05	20.02	2	
	25	0	19.81	19.98	19.99	2	

E.1.9 LTE Band 41

Table E-28
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	22.75	23.10	22.94	22.86	22.66	0	0
	1	36	22.81	23.03	22.96	22.77	22.63		0
	1	74	22.83	23.10	23.13	22.74	22.64		0
	36	0	21.78	22.07	21.97	21.86	21.56	0-1	1
	36	18	21.80	22.01	21.97	21.83	21.55		1
	36	37	21.82	22.02	22.02	21.81	21.59		1
	75	0	21.83	22.00	21.99	21.84	21.59	0-1	1
	15	0	22.51	22.44	22.44	22.24	22.16		0
	15	30	22.55	22.41	22.40	22.27	22.16		0
	15	60	22.56	22.43	22.41	22.25	22.20	0-2	0
	27	0	22.01	22.36	22.27	22.13	21.86		1
	27	24	22.02	22.27	22.28	22.05	21.86		1
27	48	22.06	22.27	22.28	22.04	21.41	1		
16QAM	1	0	21.41	21.40	21.48	21.28	21.17	0-2	1
	1	36	21.52	21.45	21.37	21.38	21.00		1
	1	74	21.42	21.50	21.41	21.17	21.08		1
	15	0	21.19	21.49	21.34	21.34	21.37	0-3	1
	15	30	21.13	21.41	21.39	21.30	21.04		1
	15	60	21.37	21.45	21.62	21.55	21.48		1
	27	0	20.72	21.08	20.85	20.71	20.97	0-5	2
	27	24	20.70	21.07	20.95	20.86	20.98		2
	27	48	20.84	20.90	21.00	20.92	20.88		2

Table E-29
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	23.01	23.38	23.23	23.07	22.88	0	0
	1	25	23.06	23.31	23.24	23.05	22.87		0
	1	49	23.09	23.37	23.40	23.02	22.85		0
	25	0	22.04	22.35	22.25	22.13	21.85	0-1	1
	25	12	22.05	22.29	22.26	22.05	21.82		1
	25	25	22.08	22.30	22.29	22.03	21.86		1
	50	0	22.08	22.29	22.28	22.05	21.85	0-1	1
	15	0	22.02	22.34	22.24	22.12	21.84		1
	15	17	22.06	22.30	22.28	22.05	21.85		1
	15	35	22.08	22.30	22.29	22.01	21.86	0-2	1
	27	0	22.03	22.33	22.24	22.09	21.85		1
	27	12	22.04	22.27	22.25	22.01	21.83		1
16QAM	27	23	22.06	22.30	22.28	22.01	21.54	0-2	1
	1	0	21.81	21.88	21.79	21.96	21.57		1
	1	25	21.72	21.78	21.79	21.67	21.61		1
	1	49	21.77	22.09	22.00	21.91	21.44	0-3	1
	25	0	20.43	20.90	20.80	20.72	20.46		2
	25	12	20.67	20.90	20.82	20.56	20.43		2
	25	25	20.66	21.05	20.91	20.68	20.48	0-5	2
	15	0	20.58	21.05	20.87	20.85	20.45		2
	15	17	20.59	20.90	20.98	20.73	20.56		2
	15	35	20.78	21.00	20.92	20.78	20.46		2
	27	0	20.99	21.35	21.27	21.21	20.89		2
	27	12	21.01	21.33	21.36	21.20	21.01		2
	27	23	20.98	21.21	21.28	21.06	20.96		2

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Table E-30
LTE Band 41 Conducted Powers – 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]
Conducted Power [dBm]								
QPSK	1	0	23.22	23.35	23.33	23.17	22.78	0
	1	12	23.31	23.27	23.25	23.00	22.80	0
	1	24	23.50	23.32	23.35	23.12	22.94	0
	12	0	22.14	22.38	22.30	22.16	21.85	1
	12	6	22.19	22.31	22.29	22.07	21.86	1
	12	13	22.21	22.30	22.29	22.04	21.87	1
16QAM	25	0	22.32	22.31	22.29	22.06	21.87	1
	1	0	21.89	21.95	21.84	22.00	21.84	1
	1	12	21.84	21.98	21.89	21.75	21.79	1
	1	24	21.83	22.03	22.09	21.88	21.74	1
	12	0	21.53	21.86	21.72	21.53	21.35	2
	12	6	21.52	21.84	21.76	21.60	21.34	2
	12	13	21.59	21.84	21.79	21.53	21.33	2
	25	0	21.53	21.78	21.75	21.54	21.34	2

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