

APPENDIX H: LTE LOWER BANDWIDTH RF CONDUCTED POWERS

Note: Some bands do not support three non-overlapping channels. Per KDB Publication 941225 D05v02, 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.

H.1 LTE Lower Bandwidth RF Conducted Powers

H.1.1 LTE Band 71

**Table H-1
LTE Band 71 Maximum Conducted Powers - 15 MHz Bandwidth**

LTE Band 71 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]		
QPSK	1	0	24.14	0	0
	1	36	24.22		0
	1	74	23.95		0
	36	0	23.05	0-1	1
	36	18	23.10		1
	36	37	22.97		1
	75	0	23.03		1
16QAM	1	0	23.10	0-1	1
	1	36	23.25		1
	1	74	22.77		1
	36	0	22.04	0-2	2
	36	18	21.96		2
	36	37	21.90		2
	75	0	21.97		2
64QAM	1	0	22.00	0-2	2
	1	36	22.01		2
	1	74	21.75		2
	36	0	21.01	0-3	3
	36	18	20.95		3
	36	37	20.83		3
	75	0	20.87		3





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Table H-2
LTE Band 71 Maximum Conducted Powers - 10 MHz Bandwidth

LTE Band 71 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133172 (668.0 MHz)	133297 (680.5 MHz)	133422 (693.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.75	24.02	23.89	0	0
	1	25	24.23	24.15	24.32		0
	1	49	23.68	23.68	23.76		0
	25	0	22.61	23.00	22.81	0-1	1
	25	12	22.86	23.04	22.93		1
	25	25	22.71	22.86	22.91		1
	50	0	22.71	22.98	22.73		1
16QAM	1	0	22.71	22.90	22.77	0-1	1
	1	25	23.00	23.02	23.08		1
	1	49	22.70	22.84	22.75		1
	25	0	21.74	22.04	21.77	0-2	2
	25	12	21.78	21.98	22.02		2
	25	25	21.67	21.84	21.83		2
	50	0	21.65	21.92	21.75		2
64QAM	1	0	21.30	21.97	21.90	0-2	2
	1	25	21.80	22.10	21.96		2
	1	49	21.57	21.53	21.72		2
	25	0	20.45	20.97	20.71	0-3	3
	25	12	20.66	20.89	20.99		3
	25	25	20.45	20.78	20.75		3
	50	0	20.47	20.82	20.66		3

Table H-3
LTE Band 71 Maximum Conducted Powers - 5 MHz Bandwidth

LTE Band 71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133147 (665.5 MHz)	133297 (680.5 MHz)	133447 (695.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.84	24.00	23.92	0	0
	1	12	24.02	24.02	23.90		0
	1	24	23.74	23.84	23.80		0
	12	0	22.55	22.95	22.72	0-1	1
	12	6	22.97	22.96	22.92		1
	12	13	22.78	22.88	22.87		1
	25	0	22.72	22.96	22.82		1
16QAM	1	0	22.61	22.90	22.63	0-1	1
	1	12	22.82	22.90	22.85		1
	1	24	22.60	22.70	22.53		1
	12	0	21.63	21.85	21.82	0-2	2
	12	6	21.84	21.87	21.87		2
	12	13	21.75	21.84	21.75		2
	25	0	21.60	21.88	21.78		2
64QAM	1	0	21.60	21.89	21.77	0-2	2
	1	12	22.15	21.92	21.91		2
	1	24	21.68	21.81	21.68		2
	12	0	20.54	20.78	20.72	0-3	3
	12	6	20.77	20.81	20.78		3
	12	13	20.68	20.74	20.69		3
	25	0	20.58	20.81	20.69		3

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H.1.2 LTE Band 12

Table H-4
LTE Band 12 Maximum 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]	MPR [dB]
			23035 (701.5 MHz)	23095 (707.5 MHz)	23155 (713.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.14	24.13	24.15	0	0
	1	12	24.22	24.03	24.21		0
	1	24	24.20	24.10	23.99		0
	12	0	22.91	23.04	23.03	0-1	1
	12	6	23.12	22.95	23.02		1
	12	13	23.13	23.02	22.91		1
16QAM	25	0	23.01	23.05	23.00	0-1	1
	1	0	22.87	22.87	22.80		1
	1	12	23.01	22.97	22.91		1
	1	24	23.07	22.79	22.62	0-2	1
	12	0	21.85	22.07	22.03		2
	12	6	22.08	22.02	22.05		2
64QAM	12	13	22.09	21.97	21.96	0-2	2
	25	0	22.02	22.08	22.02		2
	1	0	22.07	22.05	22.07		2
	1	12	22.09	22.02	22.03	0-3	2
	1	24	22.22	21.95	21.68		2
	12	0	20.94	21.05	21.05		3
	12	6	21.02	20.95	21.05		3
	12	13	21.02	20.91	20.86		3
25	0	20.97	21.03	20.99	3		

Table H-5
LTE Band 12 Maximum 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]	MPR [dB]
			23025 (700.5 MHz)	23095 (707.5 MHz)	23165 (714.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.03	24.09	24.07	0	0
	1	7	24.24	24.11	24.05		0
	1	14	24.30	23.94	23.88		0
	8	0	22.81	23.07	23.06	0-1	1
	8	4	23.11	23.02	23.01		1
	8	7	23.07	22.99	22.96		1
16QAM	15	0	23.05	23.02	23.01	0-1	1
	1	0	22.83	22.87	22.87		1
	1	7	23.05	23.00	22.86		1
	1	14	23.08	22.80	22.62	0-2	1
	8	0	21.89	22.06	22.09		2
	8	4	22.10	22.02	21.98		2
64QAM	8	7	22.13	22.05	21.99	0-2	2
	15	0	22.09	21.99	22.03		2
	1	0	22.05	21.89	21.97		0-3
	1	7	21.94	21.89	21.96	2	
	1	14	21.93	21.77	21.71	2	
	8	0	20.98	21.01	21.11	3	
8	4	21.05	20.99	20.98	3		
8	7	21.07	20.94	20.95	3		
	15	0	21.01	20.98	20.97		3





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Table H-6
LTE Band 12 Maximum 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]	MPR [dB]
			23017 (699.7 MHz)	23095 (707.5 MHz)	23173 (715.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.05	24.20	24.14	0	0
	1	2	24.22	24.15	24.18		0
	1	5	24.24	24.14	24.03		0
	3	0	24.12	23.25	24.22		0
	3	2	24.20	24.05	24.10		0
	3	3	24.11	24.01	24.05		0
16QAM	6	0	22.91	22.93	22.97	0-1	1
	1	0	22.91	23.05	23.03	0-1	1
	1	2	22.99	23.00	23.01		1
	1	5	23.03	22.80	22.78		1
	3	0	22.92	22.91	23.03		1
	3	2	23.08	22.95	23.00		1
	3	3	23.03	22.97	23.01		1
64QAM	6	0	21.93	22.01	22.08	0-2	2
	1	0	22.03	21.89	21.86	0-2	2
	1	2	22.12	21.92	22.02		2
	1	5	22.06	21.92	21.89		2
	3	0	21.96	21.96	22.05		2
	3	2	22.06	22.03	21.97		2
	3	3	22.01	21.96	21.88		2
6	0	21.07	21.12	20.97	0-3	3	

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H.1.3 LTE Band 13

**Table H-7
LTE Band 13 Maximum Conducted Powers - 5 MHz Bandwidth**



LTE Band 13 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.86	0	0
	1	12	23.84		0
	1	24	23.78		0
	12	0	22.65	0-1	1
	12	6	22.77		1
	12	13	22.69		1
	25	0	22.77		1
16QAM	1	0	22.89	0-1	1
	1	12	22.80		1
	1	24	22.77		1
	12	0	21.55	0-2	2
	12	6	21.63		2
	12	13	21.54		2
	25	0	21.60		2
64QAM	1	0	21.61	0-2	2
	1	12	21.53		2
	1	24	21.60		2
	12	0	20.57	0-3	3
	12	6	20.63		3
	12	13	20.59		3
	25	0	20.65		3

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H.1.4 LTE Band 14

**Table H-8
LTE Band 14 Maximum Conducted Powers - 5 MHz Bandwidth**

LTE Band 14 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.83	0	0
	1	12	23.94		0
	1	24	23.77		0
	12	0	22.70	0-1	1
	12	6	22.83		1
	12	13	22.77		1
	25	0	22.73		1
16QAM	1	0	22.79	0-1	1
	1	12	22.71		1
	1	24	22.57		1
	12	0	21.61	0-2	2
	12	6	21.69		2
	12	13	21.65		2
	25	0	21.62		2
64QAM	1	0	21.69	0-2	2
	1	12	21.76		2
	1	24	21.51		2
	12	0	20.61	0-3	3
	12	6	20.70		3
	12	13	20.61		3
	25	0	20.61		3

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H.1.5 LTE Band 26

Table H-9
LTE Band 26 (Cell) Maximum Conducted Powers - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.13	24.15	23.30	0	0	
	1	25	24.09	24.05	23.25		0	
	1	49	24.05	24.00	23.24		0	
	25	0	22.99	23.03	22.06	0-1	1	
	25	12	22.98	22.96	22.03		1	
	25	25	22.94	22.92	22.05		1	
16QAM	50	0	22.93	22.95	22.05	0-1	1	
	1	0	22.81	22.73	21.80		0-1	1
	1	25	22.78	22.71	21.76			1
	1	49	22.65	22.63	21.73	0-2		1
	25	0	21.88	21.85	21.01		2	
	25	12	21.85	21.85	21.01		2	
64QAM	25	25	21.80	21.78	21.00	0-2	2	
	50	0	21.86	21.85	21.01		2	
	1	0	21.97	21.90	21.08		0-2	2
	1	25	21.87	21.84	21.03	0-3		2
	1	49	21.84	21.79	21.06			2
	25	0	20.93	20.89	20.03		3	
64QAM	25	12	20.87	20.82	20.02	0-3	3	
	25	25	20.80	20.78	19.98		3	
	50	0	20.88	20.84	20.06		3	
	50	0	20.88	20.84	20.06		3	

Table H-10
LTE Band 26 (Cell) Maximum 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]	MPR [dB]	
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.07	24.08	24.24	0	0	
	1	12	24.05	24.04	24.22		0-1	0
	1	24	24.01	24.00	24.21			0
	12	0	23.01	22.97	23.17	0-1		1
	12	6	22.99	22.97	23.17		1	
	12	13	22.97	22.93	23.15		1	
16QAM	25	0	22.97	22.96	23.16	0-1	1	
	1	0	22.67	22.74	22.95		0-1	1
	1	12	22.67	22.73	22.87			0-2
	1	24	22.66	22.73	22.91	0-2		
	12	0	21.82	21.79	22.06		0-2	
	12	6	21.82	21.79	22.04			2
64QAM	12	13	21.79	21.76	22.05	0-2		2
	25	0	21.89	21.88	22.09		0-2	2
	1	0	21.87	21.83	22.16			0-2
	1	12	21.82	21.82	22.16	0-3		
	1	24	21.77	21.78	22.14		0-3	
	12	0	20.90	20.91	21.08			0-3
12	6	20.89	20.88	21.06	0-3	3		
12	13	20.84	20.85	21.06		0-3	3	
25	0	20.89	20.91	21.04			0-3	3





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Table H-11
LTE Band 26 (Cell) Maximum 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]	MPR [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.02	23.99	24.14	0	0
	1	7	24.01	23.95	24.12		0
	1	14	23.99	23.93	24.15		0
	8	0	22.99	22.93	23.20	0-1	1
	8	4	22.98	22.92	23.16		1
	8	7	23.00	22.91	23.13		1
16QAM	15	0	22.96	22.92	23.14	0-1	1
	1	0	22.65	22.91	23.08		1
	1	7	22.67	22.89	23.07		1
	1	14	22.67	22.80	23.04	0-2	1
	8	0	21.88	21.86	22.12		2
	8	4	21.89	21.84	22.07		2
64QAM	8	7	21.87	21.82	22.06	0-2	2
	15	0	21.83	21.79	22.08		2
	1	0	21.81	21.80	21.99		0-2
	1	7	21.79	21.79	21.96	2	
	1	14	21.80	21.77	21.99	2	
	64QAM	8	0	20.88	20.82	21.02	0-3
8		4	20.83	20.81	20.99	3	
8		7	20.86	20.79	20.94	3	
15		0	20.85	20.82	21.04	3	

Table H-12
LTE Band 26 (Cell) Maximum 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]	MPR [dB]
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.18	24.16	24.38	0	0
	1	2	24.15	24.15	24.35		0
	1	5	24.19	24.13	24.34		0
	3	0	24.08	24.03	24.28	0	0
	3	2	24.05	24.02	24.26		0
	3	3	24.03	23.99	24.25		0
16QAM	6	0	23.02	22.96	23.19	0-1	1
	1	0	22.72	22.60	22.91	0-1	1
	1	2	22.69	22.58	22.87		1
	1	5	22.68	22.59	22.86		1
	3	0	22.93	22.84	23.19	0-2	1
	3	2	22.92	22.84	23.15		1
3	3	22.93	22.82	23.13	1		
64QAM	6	0	21.98	21.89	22.10	0-2	2
	1	0	21.97	21.98	22.20	0-2	2
	1	2	21.98	21.96	22.16		2
	1	5	21.96	21.92	22.19		2
	3	0	21.76	21.68	22.01	0-3	2
	3	2	21.70	21.67	21.98		2
3	3	21.71	21.66	21.96	2		
6	0	20.98	20.92	21.16	0-3	3	

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H.1.6 LTE Band 66

Table H-13
LTE Band 66 (AWS) Maximum 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]	MPR [dB]	
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.57	24.51	24.35	0	0	
	1	36	24.55	24.44	24.28		0	
	1	74	24.54	24.42	24.25		0	
	36	0	23.51	23.50	23.31	0-1	1	
	36	18	23.51	23.45	23.29		1	
	36	37	23.48	23.44	23.25		1	
16QAM	75	0	23.52	23.40	23.31	0-1	1	
	1	0	23.32	23.26	23.15		0-1	1
	1	36	23.30	23.24	23.07			1
	1	74	23.25	23.22	23.14	0-2		1
	36	0	22.52	22.50	22.35		2	
	36	18	22.50	22.47	22.28		2	
64QAM	36	37	22.48	22.46	22.26	0-2	2	
	75	0	22.53	22.50	22.36		2	
	1	0	22.24	22.27	22.19		0-2	2
	1	36	22.21	22.23	22.16	0-3		2
	1	74	22.23	22.21	22.17			2
	36	0	21.57	21.48	21.37		3	
64QAM	36	18	21.53	21.45	21.34	0-3	3	
	36	37	21.49	21.42	21.32		3	
	75	0	21.48	21.51	21.35		3	



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Table H-14
LTE Band 66 (AWS) Maximum 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]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.46	24.50	24.39	0	0
	1	25	24.44	24.47	24.38		0
	1	49	24.42	24.47	24.34		0
	25	0	23.50	23.47	23.34	0-1	1
	25	12	23.42	23.43	23.30		1
	25	25	23.39	23.41	23.32		1
	50	0	23.46	23.50	23.33		1
16QAM	1	0	23.24	23.35	23.28	0-1	1
	1	25	23.20	23.29	23.26		1
	1	49	23.23	23.21	23.17		1
	25	0	22.44	22.41	22.36	0-2	2
	25	12	22.40	22.42	22.34		2
	25	25	22.40	22.41	22.33		2
	50	0	22.47	22.49	22.34		2
64QAM	1	0	22.43	22.41	22.34	0-2	2
	1	25	22.35	22.35	22.30		2
	1	49	22.30	22.31	22.28		2
	25	0	21.35	21.38	21.35	0-3	3
	25	12	21.37	21.34	21.32		3
	25	25	21.37	21.39	21.31		3
	50	0	21.36	21.43	21.37		3

Table H-15
LTE Band 66 (AWS) Maximum 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]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.38	24.47	24.40	0	0
	1	12	24.35	24.44	24.36		0
	1	24	24.32	24.42	24.34		0
	12	0	23.46	23.46	23.42	0-1	1
	12	6	23.37	23.39	23.37		1
	12	13	23.36	23.41	23.38		1
	25	0	23.38	23.44	23.38		1
16QAM	1	0	23.36	23.31	23.24	0-1	1
	1	12	23.33	23.26	23.20		1
	1	24	23.25	23.25	23.17		1
	12	0	22.46	22.42	22.24	0-2	2
	12	6	22.44	22.35	22.14		2
	12	13	22.40	22.30	22.12		2
	25	0	22.41	22.38	22.21		2
64QAM	1	0	22.39	22.41	22.36	0-2	2
	1	12	22.32	22.31	22.26		2
	1	24	22.29	22.26	22.22		2
	12	0	21.43	21.45	21.23	0-3	3
	12	6	21.39	21.38	21.15		3
	12	13	21.41	21.34	21.14		3
	25	0	21.46	21.37	21.21		3



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Table H-16
LTE Band 66 (AWS) Maximum 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]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.46	24.34	24.14	0	0
	1	7	24.45	24.32	24.12		0
	1	14	24.41	24.31	24.11		0
	8	0	23.49	23.27	23.20	0-1	1
	8	4	23.44	23.27	23.14		1
	8	7	23.46	23.25	23.19		1
	15	0	23.48	23.37	23.17		1
16QAM	1	0	23.39	23.32	23.19	0-1	1
	1	7	23.36	23.23	23.11		1
	1	14	23.31	23.20	23.07		1
	8	0	22.49	22.40	22.22	0-2	2
	8	4	22.46	22.36	22.20		2
	8	7	22.42	22.35	22.17		2
	15	0	22.47	22.34	22.22		2
64QAM	1	0	22.51	22.53	22.38	0-2	2
	1	7	22.45	22.47	22.35		2
	1	14	22.38	22.43	22.31		2
	8	0	21.43	21.42	21.21	0-3	3
	8	4	21.41	21.36	21.17		3
	8	7	21.34	21.32	21.16		3
	15	0	21.46	21.34	21.22		3

Table H-17
LTE Band 66 (AWS) Maximum 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]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.59	24.52	24.43	0	0
	1	2	24.56	24.48	24.39		0
	1	5	24.52	24.45	24.36		0
	3	0	24.53	24.38	24.34		0
	3	2	24.51	24.35	24.27		0
	3	3	24.50	24.30	24.28		0
	6	0	23.52	23.39	23.32	0-1	1
16QAM	1	0	23.24	23.28	22.94	0-1	1
	1	2	23.18	23.35	23.03		1
	1	5	23.15	23.23	22.95		1
	3	0	23.38	23.31	23.21		1
	3	2	23.35	23.26	23.18		1
	3	3	23.31	23.20	23.11		1
	6	0	22.54	22.43	22.22	0-2	2
64QAM	1	0	22.54	22.48	22.32	0-2	2
	1	2	22.46	22.41	22.29		2
	1	5	22.42	22.35	22.20		2
	3	0	22.39	22.27	22.17		2
	3	2	22.37	22.22	22.15		2
	3	3	22.33	22.18	22.12		2
	6	0	21.56	21.49	21.32	0-3	3



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Table H-18
LTE Band 66 (AWS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.84	20.71	20.83	0	0
	1	36	20.55	20.49	20.50		0
	1	74	20.77	20.54	20.33		0
	36	0	20.78	20.60	20.75	0-1	0
	36	18	20.66	20.56	20.44		0
	36	37	20.66	20.55	20.35		0
	75	0	20.79	20.67	20.56		0
16QAM	1	0	20.74	20.43	20.29	0-1	0
	1	36	20.31	20.25	20.04		0
	1	74	20.38	20.18	20.17		0
	36	0	20.64	20.61	20.63	0-2	0
	36	18	20.67	20.56	20.45		0
	36	37	20.66	20.56	20.41		0
	75	0	20.84	20.76	20.56		0
64QAM	1	0	20.71	20.51	20.41	0-2	0
	1	36	20.41	20.28	20.28		0
	1	74	20.50	20.31	20.01		0
	36	0	20.75	20.65	20.81	0-3	0
	36	18	20.73	20.67	20.54		0
	36	37	20.77	20.62	20.47		0
	75	0	20.82	20.71	20.61		0



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Table H-19
LTE Band 66 (AWS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.88	20.67	20.55	0	0
	1	25	20.74	20.70	20.54		0
	1	49	20.42	20.61	20.27		0
	25	0	21.00	20.77	20.63	0-1	0
	25	12	20.71	20.65	20.44		0
	25	25	20.67	20.60	20.37		0
	50	0	20.86	20.76	20.61		0
16QAM	1	0	20.68	20.45	20.30	0-1	0
	1	25	20.47	20.32	20.25		0
	1	49	20.21	20.25	20.04		0
	25	0	20.80	20.70	20.70	0-2	0
	25	12	20.67	20.64	20.39		0
	25	25	20.67	20.47	20.32		0
	50	0	20.87	20.68	20.55		0
64QAM	1	0	20.70	20.67	20.37	0-2	0
	1	25	20.51	20.60	20.38		0
	1	49	20.26	19.99	19.87		0
	25	0	21.00	20.77	20.80	0-3	0
	25	12	20.67	20.65	20.44		0
	25	25	20.68	20.64	20.40		0
	50	0	20.85	20.62	20.53		0



FCC ID: A3LSMA135U	 PCTEST <small>Proud to be part of the Element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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Table H-20
LTE Band 66 (AWS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.72	20.76	20.50	0	0
	1	12	20.68	20.66	20.40		0
	1	24	20.65	20.72	20.45		0
	12	0	20.93	20.67	20.63	0-1	0
	12	6	20.63	20.62	20.46		0
	12	13	20.69	20.63	20.46		0
	25	0	20.77	20.63	20.61		0
16QAM	1	0	20.86	20.68	20.51	0-1	0
	1	12	20.26	20.39	20.18		0
	1	24	20.36	20.46	20.12		0
	12	0	20.77	20.57	20.50	0-2	0
	12	6	20.69	20.65	20.57		0
	12	13	20.68	20.60	20.47		0
	25	0	20.74	20.64	20.56		0
64QAM	1	0	20.91	20.71	20.52	0-2	0
	1	12	20.53	20.22	20.37		0
	1	24	20.60	20.32	20.34		0
	12	0	20.84	20.57	20.61	0-3	0
	12	6	20.64	20.64	20.49		0
	12	13	20.64	20.61	20.46		0
	25	0	20.79	20.74	20.64		0



FCC ID: A3LSMA135U	 PCTEST <small>Proud to be part of the Element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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Table H-21
LTE Band 66 (AWS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.74	20.63	20.51	0	0
	1	7	20.71	20.61	20.48		0
	1	14	20.57	20.61	20.33		0
	8	0	20.78	20.66	20.60	0-1	0
	8	4	20.77	20.67	20.43		0
	8	7	20.69	20.66	20.52		0
	15	0	20.75	20.69	20.55		0
16QAM	1	0	20.51	20.37	20.45	0-1	0
	1	7	20.49	20.41	20.16		0
	1	14	20.45	20.40	20.16		0
	8	0	20.70	20.51	20.50	0-2	0
	8	4	20.67	20.62	20.53		0
	8	7	20.71	20.70	20.58		0
	15	0	20.74	20.70	20.55		0
64QAM	1	0	20.72	20.61	20.35	0-2	0
	1	7	20.60	20.51	20.37		0
	1	14	20.48	20.50	20.28		0
	8	0	20.67	20.60	20.64	0-3	0
	8	4	20.73	20.58	20.44		0
	8	7	20.63	20.70	20.40		0
	15	0	20.68	20.61	20.50		0



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Table H-22
LTE Band 66 (AWS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active – 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]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.87	20.59	20.52	0	0
	1	2	20.84	20.70	20.55		0
	1	5	20.85	20.66	20.50		0
	3	0	20.81	20.67	20.59		0
	3	2	20.78	20.65	20.45		0
	3	3	20.72	20.63	20.49		0
	6	0	20.73	20.69	20.47		0
16QAM	1	0	20.64	20.57	20.47	0-1	0
	1	2	20.81	20.60	20.35		0
	1	5	20.69	20.58	20.43		0
	3	0	20.63	20.51	20.40		0
	3	2	20.60	20.51	20.36		0
	3	3	20.57	20.48	20.42		0
	6	0	20.71	20.63	20.45		0
64QAM	1	0	20.75	20.62	20.50	0-2	0
	1	2	20.60	20.55	20.42		0
	1	5	20.63	20.59	20.41		0
	3	0	20.72	20.59	20.41		0
	3	2	20.68	20.70	20.64		0
	3	3	20.78	20.65	20.62		0
	6	0	20.68	20.66	20.50		0

H.1.7 LTE Band 25

Table H-23
LTE Band 25 (PCS) Maximum 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]	MPR [dB]	
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.13	24.36	24.27	0	0	
	1	36	24.11	24.38	24.25		0	
	1	74	24.07	24.31	24.17		0	
	16QAM	36	0	23.18	23.35	23.20	0-1	1
		36	18	23.12	23.33	23.14		1
		36	37	23.08	23.32	23.07		1
		75	0	23.04	23.30	23.17		1
64QAM	1	0	22.96	22.98	22.94	0-1	1	
	1	36	22.90	22.92	22.91		1	
	1	74	22.86	22.90	22.86		1	
	64QAM	36	0	22.07	22.27	22.16	0-2	2
		36	18	22.06	22.22	22.13		2
		36	37	22.01	22.20	22.07		2
64QAM	75	0	22.11	22.27	22.12	0-2	2	
	1	0	21.86	22.06	21.96		2	
	1	36	21.81	22.05	21.98		2	
	64QAM	1	74	21.76	22.02	21.92	0-3	2
		36	0	21.15	21.30	21.17		3
		36	18	21.13	21.33	21.13		3
		36	37	21.12	21.30	21.13		3
75	0	21.12	21.32	21.17	3			



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Table H-24
LTE Band 25 (PCS) Maximum 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]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.04	24.35	24.24	0	0
	1	25	24.13	24.40	24.23		0
	1	49	24.09	24.33	24.20		0
	25	0	23.12	23.29	23.25	0-1	1
	25	12	23.12	23.30	23.21		1
	25	25	23.17	23.31	23.22		1
16QAM	50	0	23.13	23.33	23.20	0-1	1
	1	0	22.92	23.05	22.96		1
	1	25	22.85	23.12	22.89		1
	1	49	22.91	23.04	22.81	0-2	1
	25	0	22.15	22.33	22.21		2
	25	12	22.14	22.34	22.21		2
64QAM	25	25	22.08	22.31	22.18	0-2	2
	50	0	22.13	22.37	22.25		2
	1	0	21.91	22.07	21.97		2
	1	25	21.83	22.12	22.00	0-2	2
	1	49	21.82	22.05	21.98		2
	25	0	21.17	21.32	21.22		0-3
25	12	21.13	21.36	21.26	3		
25	25	21.15	21.34	21.24	3		
50	0	21.13	21.36	21.23		3	

Table H-25
LTE Band 25 (PCS) Maximum 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]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.16	24.35	24.26	0	0
	1	12	24.19	24.36	24.26		0
	1	24	24.18	24.30	24.22		0
	12	0	23.16	23.29	23.20	0-1	1
	12	6	23.17	23.34	23.21		1
	12	13	23.15	23.29	23.17		1
16QAM	25	0	23.16	23.38	23.18	0-1	1
	1	0	22.93	23.09	22.96		1
	1	12	22.95	23.17	22.99		1
	1	24	22.85	23.03	22.92	0-2	1
	12	0	22.11	22.33	22.24		2
	12	6	22.08	22.33	22.17		2
64QAM	12	13	22.04	22.26	22.18	0-2	2
	25	0	22.14	22.28	22.21		2
	1	0	21.88	22.23	21.95		2
	1	12	21.90	22.14	21.93	0-3	2
	1	24	21.83	22.07	21.90		2
	12	0	21.14	21.28	21.14		3
12	6	21.11	21.26	21.17	0-3	3	
12	13	21.10	21.17	21.19		3	
25	0	21.18	21.32	21.22		3	



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Table H-26
LTE Band 25 (PCS) Maximum 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]	MPR [dB]	
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.03	24.26	24.14	0	0	
	1	7	24.12	24.32	24.22		0	
	1	14	24.07	24.23	24.18		0	
	8	0	23.12	23.24	23.24	0-1	1	
	8	4	23.16	23.25	23.20		1	
	8	7	23.15	23.26	23.17		1	
16QAM	15	0	23.17	23.32	23.24	0-1	1	
	1	0	22.98	23.19	23.02		0-1	1
	1	7	23.00	23.20	23.04			1
	1	14	22.91	23.11	22.97	0-2		1
	8	0	22.15	22.30	22.13		0-2	2
	8	4	22.16	22.34	22.16			2
8	7	22.14	22.33	22.14	2			
64QAM	15	0	22.16	22.31	22.22	0-2	2	
	1	0	21.96	22.16	21.93		0-2	2
	1	7	21.97	22.18	21.96			2
	1	14	21.91	22.10	21.91	0-3		2
	8	0	21.16	21.31	21.24		0-3	3
	8	4	21.13	21.24	21.23			3
8	7	21.12	21.20	21.17	3			
	15	0	21.15	21.33	21.21		3	

Table H-27
LTE Band 25 (PCS) Maximum 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]	MPR [dB]	
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.12	24.32	24.25	0	0	
	1	2	24.14	24.37	24.26		0	0
	1	5	24.13	24.33	24.19			0
	3	0	24.11	24.29	24.17	0-1		0
	3	2	24.15	24.27	24.19		0	
	3	3	24.14	24.25	24.22		0	
16QAM	6	0	23.13	23.33	23.23	0-1	1	
	1	0	22.87	23.05	22.91		0-1	1
	1	2	22.89	23.07	22.96			1
	1	5	22.81	23.00	22.86	0-1		1
	3	0	23.08	23.15	23.14		1	
	3	2	23.07	23.12	23.10		1	
64QAM	3	3	23.06	23.20	23.12	0-2	1	
	6	0	22.21	22.33	22.28		0-2	2
	1	0	22.20	22.27	22.20			0-2
	1	2	22.17	22.33	22.22	0-2		
	1	5	22.13	22.32	22.15		0-2	
	3	0	22.13	22.25	22.21			2
3	2	22.19	22.30	22.17	0-3	2		
3	3	22.15	22.29	22.16		0-3	2	
6	0	21.17	21.42	21.22			3	



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Table H-28
LTE Band 25 (PCS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.26	21.34	21.19	0	0
	1	36	21.30	21.45	21.22		0
	1	74	21.27	21.38	21.27		0
	36	0	21.34	21.41	21.17	0-1	0
	36	18	21.26	21.36	21.18		0
	36	37	21.24	21.39	21.16		0
16QAM	75	0	21.35	21.40	21.18	0-1	0
	1	0	21.26	21.35	21.16		0
	1	36	21.19	21.38	21.13		0
	1	74	21.23	21.29	21.26	0-2	0
	36	0	21.26	21.33	21.12		0
	36	18	21.18	21.32	21.14		0
64QAM	36	37	21.27	21.36	21.21	0-2	0
	75	0	21.23	21.43	21.20		0
	1	0	21.33	21.42	21.18		0
	1	36	21.42	21.36	21.26	0-2	0
	1	74	21.36	21.37	21.27		0
	36	0	21.31	21.33	21.16		0-3
	36	18	21.33	21.39	21.18	0	
	36	37	21.31	21.43	21.21	0	
75	0	21.26	21.46	21.18	0		

Table H-29
LTE Band 25 (PCS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.36	21.38	21.20	0	0
	1	25	21.27	21.40	21.22		0
	1	49	21.21	21.38	21.35		0
	25	0	21.23	21.31	21.14	0-1	0
	25	12	21.23	21.29	21.11		0
	25	25	21.26	21.34	21.18		0
16QAM	50	0	21.25	21.28	21.11	0-1	0
	1	0	21.28	21.22	21.16		0
	1	25	21.18	21.23	21.11		0
	1	49	21.23	21.28	21.10	0-2	0
	25	0	21.32	21.37	21.23		0
	25	12	21.28	21.32	21.14		0
64QAM	25	25	21.19	21.37	21.12	0-2	0
	50	0	21.26	21.35	21.12		0
	1	0	21.24	21.23	21.17		0-3
	1	25	21.25	21.27	21.11	0	
	1	49	21.18	21.32	21.25	0	
	25	0	21.36	21.38	21.20	0-3	0
25	12	21.28	21.39	21.24	0		
25	25	21.33	21.36	21.13	0		
50	0	21.28	21.37	21.15	0		



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Table H-30
LTE Band 25 (PCS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]	
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	21.21	21.35	21.29	0	0	
	1	12	21.25	21.31	21.23		0	
	1	24	21.27	21.28	21.29		0	
	12	0	21.14	21.32	21.27	0-1	0	
	12	6	21.21	21.29	21.20		0	
	12	13	21.20	21.34	21.24		0	
16QAM	25	0	21.22	21.32	21.25	0-1	0	
	1	0	21.11	21.35	21.13		0	
	1	12	21.09	21.20	21.18		0	
	1	24	21.18	21.28	21.24	0-2	0	
	12	0	21.25	21.33	21.21		0	
	12	6	21.21	21.32	21.25		0	
64QAM	12	13	21.18	21.28	21.23	0-2	0	
	25	0	21.19	21.36	21.22		0	
	1	0	21.32	21.31	21.20		0	
	1	12	21.16	21.38	21.21	0-2	0	
	1	24	21.24	21.37	21.28		0	
	12	0	21.18	21.26	21.23		0	
	64QAM	12	6	21.25	21.29	21.24	0-3	0
		12	13	21.22	21.37	21.35		0
25		0	21.24	21.31	21.36	0		
25		0	21.24	21.31	21.36	0		

Table H-31
LTE Band 25 (PCS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.17	21.22	21.25	0	0
	1	7	21.19	21.29	21.26		0
	1	14	21.18	21.20	21.18		0
	8	0	21.16	21.26	21.23	0-1	0
	8	4	21.22	21.35	21.26		0
	8	7	21.16	21.28	21.25		0
16QAM	15	0	21.12	21.24	21.18	0-1	0
	1	0	21.22	21.29	21.29		0
	1	7	21.42	21.40	21.27		0
	1	14	21.22	21.38	21.12	0-2	0
	8	0	21.17	21.41	21.16		0
	8	4	21.30	21.31	21.23		0
64QAM	8	7	21.25	21.27	21.28	0-2	0
	15	0	21.22	21.34	21.29		0
	1	0	21.21	21.40	21.32		0
	1	7	21.29	21.32	21.18	0-2	0
	1	14	21.39	21.22	21.23		0
	8	0	21.21	21.28	21.24		0-3
8	4	21.16	21.33	21.22	0		
8	7	21.21	21.32	21.32	0		
15	0	21.22	21.33	21.21	0		





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Table H-32
LTE Band 25 (PCS) Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.25	21.37	21.27	0	0
	1	2	21.21	21.42	21.31		0
	1	5	21.24	21.33	21.23		0
	3	0	21.26	21.29	21.29		0
	3	2	21.22	21.26	21.25		0
	3	3	21.11	21.25	21.22		0
16QAM	6	0	21.19	21.27	21.30	0-1	0
	1	0	21.17	21.23	21.21	0-1	0
	1	2	21.30	21.41	21.14		0
	1	5	21.28	21.23	21.39		0
	3	0	21.20	21.28	21.25		0
	3	2	21.22	21.22	21.21		0
3	3	21.16	21.23	21.23	0		
64QAM	6	0	21.27	21.36	21.35	0-2	0
	1	0	21.32	21.18	21.14	0-2	0
	1	2	21.39	21.23	21.24		0
	1	5	21.27	21.26	21.25		0
	3	0	21.26	21.36	21.16		0
	3	2	21.37	21.47	21.23		0
3	3	21.32	21.37	21.36	0		
64QAM	6	0	21.23	21.18	21.27	0-3	0

FCC ID: A3LSMA135U	 PCTEST <small>Proud to be part of the Element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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H.1.8 LTE Band 30

Table H-33
LTE Band 30 Maximum Conducted Powers - 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	21.79	0	0
	1	12	21.78		0
	1	24	21.78		0
	12	0	20.84	0-1	1
	12	6	20.65		1
	12	13	20.65		1
	25	0	20.68		1
16QAM	1	0	20.28	0-1	1
	1	12	20.29		1
	1	24	20.27		1
	12	0	19.60	0-2	2
	12	6	19.67		2
	12	13	19.62		2
	25	0	19.71		2
64QAM	1	0	19.71	0-2	2
	1	12	19.66		2
	1	24	19.67		2
	12	0	18.71	0-3	3
	12	6	18.73		3
	12	13	18.74		3
	25	0	18.80		3



FCC ID: A3LSMA135U	 PCTEST <small>Proud to be part of Element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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Table H-34
LTE Band 30 Reduced Conducted Powers for Grip Sensor Active and/or Hotspot Mode Active - 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	17.74	0	0
	1	12	17.70		0
	1	24	17.77		0
	12	0	17.74	0-1	0
	12	6	17.73		0
	12	13	17.73		0
	25	0	17.72		0
16QAM	1	0	17.81	0-1	0
	1	12	17.74		0
	1	24	17.82		0
	12	0	17.84	0-2	0
	12	6	17.81		0
	12	13	17.83		0
	25	0	17.78		0
64QAM	1	0	17.54	0-2	0
	1	12	17.56		0
	1	24	17.54		0
	12	0	17.70	0-3	0
	12	6	17.71		0
	12	13	17.70		0
	25	0	17.79		0



FCC ID: A3LSMA135U	 PCTEST <small>Proud to be part of Element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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Table H-35
LTE Band 7 Maximum 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]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.41	23.66	23.27	0	0
	1	36	23.45	23.75	23.33		0
	1	74	23.38	23.42	23.22		0
	36	0	22.39	22.70	22.25	0-1	1
	36	18	22.44	22.72	22.24		1
	36	37	22.45	22.65	22.19		1
16QAM	75	0	22.42	22.67	22.24	0-1	1
	1	0	22.36	22.62	22.12		1
	1	36	22.32	22.67	22.14		1
	1	74	22.21	22.41	21.93	0-2	2
	36	0	21.48	21.76	21.22		2
	36	18	21.51	21.74	21.24		2
64QAM	36	37	21.47	21.68	21.20	0-2	2
	75	0	21.49	21.72	21.22		2
	1	0	21.41	21.61	21.12		0-2
	1	36	21.54	21.71	21.18	2	
	1	74	21.34	21.54	20.97	0-3	
	36	0	20.54	20.81	20.28		3
36	18	20.56	20.80	20.28	3		
64QAM	36	37	20.58	20.76	20.26	0-3	3
	75	0	20.52	20.74	20.23		3

Table H-36
LTE Band 7 Maximum 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]	MPR [dB]	
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	23.41	23.66	23.14	0	0	
	1	25	23.47	23.71	23.17		0	
	1	49	23.44	23.59	23.13		0	
	25	0	22.41	22.70	22.22	0-1	1	
	25	12	22.35	22.74	22.18		1	
	25	25	22.40	22.69	22.14		1	
16QAM	50	0	22.40	22.71	22.13	0-1	1	
	1	0	22.25	22.67	22.07		0-1	1
	1	25	22.34	22.70	22.17			1
	1	49	22.19	22.56	21.89	0-2		2
	25	0	21.41	21.72	21.23		2	
	25	12	21.47	21.71	21.26		2	
64QAM	25	25	21.36	21.69	21.21	0-2	2	
	50	0	21.45	21.74	21.17		2	
	1	0	21.24	21.59	21.03		0-2	2
	1	25	21.31	21.66	21.17	0-3		2
	1	49	21.18	21.55	21.00			2
	25	0	20.55	20.72	20.21		0-3	3
25	12	20.58	20.76	20.23	3			
25	25	20.51	20.75	20.15	3			
64QAM	50	0	20.46	20.69	20.21		3	



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Table H-37
LTE Band 7 Maximum 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]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.42	23.71	23.12	0	0
	1	12	23.46	23.76	23.17		0
	1	24	23.39	23.69	23.07		0
	12	0	22.40	22.70	22.10	0-1	1
	12	6	22.39	22.68	22.16		1
	12	13	22.41	22.69	22.09		1
16QAM	25	0	22.45	22.70	22.16	0-1	1
	1	0	22.26	22.67	22.04		1
	1	12	22.35	22.71	22.07		1
	1	24	22.22	22.61	21.93	0-2	1
	12	0	21.39	21.71	21.11		2
	12	6	21.43	21.73	21.22		2
64QAM	12	13	21.41	21.69	21.16	0-2	2
	25	0	21.40	21.73	21.19		2
	1	0	21.22	21.65	21.05		0-2
	1	12	21.28	21.74	21.08	2	
	1	24	21.25	21.64	21.01	2	
	64QAM	12	0	20.48	20.77	20.16	0-3
12		6	20.51	20.80	20.22	3	
12		13	20.43	20.73	20.13	3	
25		0	20.47	20.77	20.20	3	

Table H-38
LTE Band 7 Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active -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]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.44	21.73	21.21	0	0
	1	36	21.50	21.77	21.25		0
	1	74	21.47	21.70	21.19		0
	36	0	21.49	21.68	21.22	0-1	0
	36	18	21.46	21.66	21.19		0
	36	37	21.42	21.66	21.17		0
16QAM	75	0	21.41	21.67	21.16	0-1	0
	1	0	21.28	21.51	21.04		0
	1	36	21.24	21.53	21.08		0
	1	74	21.29	21.52	21.04	0-2	0
	36	0	21.43	21.62	21.14		0
	36	18	21.45	21.64	21.17		0
64QAM	36	37	21.44	21.66	21.19	0-2	0
	75	0	21.51	21.71	21.22		0
	1	0	21.46	21.70	21.33		0-2
	1	36	21.55	21.76	21.22	0	
	1	74	21.53	21.73	21.17	0-3	
	36	0	20.54	20.75	20.25		1
36	18	20.57	20.79	20.23	1		
64QAM	36	37	20.52	20.72	20.25	0-3	1
	75	0	20.54	20.72	20.27		1



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Table H-39
LTE Band 7 Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.47	21.78	21.21	0	0
	1	25	21.49	21.81	21.25		0
	1	49	21.53	21.76	21.18		0
	25	0	21.49	21.73	21.17	0-1	0
	25	12	21.47	21.75	21.16		0
	25	25	21.44	21.73	21.14		0
16QAM	50	0	21.42	21.74	21.15	0-1	0
	1	0	21.32	21.53	21.17		0
	1	25	21.36	21.63	21.22		0
	1	49	21.28	21.58	21.15	0-2	0
	25	0	21.46	21.71	21.18		0
	25	12	21.47	21.69	21.22		0
64QAM	25	25	21.43	21.72	21.13	0-2	0
	50	0	21.43	21.74	21.22		0
	1	0	21.38	21.69	21.20		0-3
	1	25	21.31	21.55	21.09	0	
	1	49	21.29	21.64	21.04	0	
	25	0	20.49	20.72	20.22	0-3	1
25	12	20.48	20.67	20.16	1		
25	25	20.52	20.74	20.18	1		
50	0	20.54	20.71	20.12		1	

Table H-40
LTE Band 7 Reduced Conducted Powers for Grip Sensor Active, Hotspot Mode Active, and/or Earjack Active - 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]	MPR [dB]	
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	21.53	21.73	21.21	0	0	
	1	12	21.58	21.76	21.23		0	
	1	24	21.47	21.71	21.18		0	
	12	0	21.38	21.73	21.22	0-1	0	
	12	6	21.42	21.72	21.18		0	
	12	13	21.43	21.76	21.14		0	
16QAM	25	0	21.45	21.75	21.17	0-1	0	
	1	0	21.47	21.61	21.23		0-2	0
	1	12	21.42	21.69	21.27			0
	1	24	21.38	21.65	21.21	0-2		0
	12	0	21.41	21.72	21.15		0	
	12	6	21.43	21.71	21.13		0	
64QAM	12	13	21.45	21.68	21.17	0-2	0	
	25	0	21.51	21.68	21.10		0-3	0
	1	0	21.50	21.67	21.24			0-3
	1	12	21.65	21.74	21.12	0		
	1	24	21.58	21.69	21.15	0-3	0	
	12	0	20.41	20.76	20.19		1	
12	6	20.48	20.80	20.21	1			
12	13	20.47	20.74	20.23		1		
25	0	20.44	20.70	20.21		1		

Deviation Range

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H.1.10 LTE Band 41

Table H-41
LTE Band 41 PC3 Maximum 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]	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	23.41	23.43	23.20	23.10	23.09	0	0
	1	36	23.48	23.33	23.21	23.07	23.19		0
	1	74	23.57	23.31	23.24	23.05	23.21		0
	36	0	22.55	22.52	22.22	22.17	22.27	0-1	1
	36	18	22.57	22.49	22.25	22.06	22.27		1
	36	37	22.56	22.44	22.24	22.08	22.29		1
16QAM	75	0	22.57	22.48	22.26	22.12	22.24	0-1	1
	1	0	22.31	22.45	22.24	22.14	22.12		1
	1	36	22.42	22.27	22.14	22.07	22.16		1
	1	74	22.35	22.20	22.08	22.02	22.21	0-2	1
	36	0	21.57	21.56	21.35	21.25	21.26		2
	36	18	21.59	21.48	21.30	21.17	21.33		2
64QAM	36	37	21.63	21.45	21.33	21.12	21.28	0-2	2
	75	0	21.66	21.58	21.32	21.21	21.35		2
	1	0	21.37	21.56	21.29	21.21	21.25		2
	1	36	21.42	21.62	21.21	21.10	21.18	0-3	2
	1	74	21.32	21.55	21.21	21.13	21.29		2
	36	0	20.37	20.51	20.27	20.25	20.43		3
36	18	20.43	20.48	20.34	20.23	20.41	0-3	3	
36	37	20.47	20.41	20.34	20.21	20.45		3	
75	0	20.44	20.49	20.37	20.24	20.46	0-3	3	

Table H-42
LTE Band 41 PC3 Maximum 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]	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	23.37	23.42	23.13	23.10	23.13	0	0
	1	25	23.42	23.41	23.17	23.05	23.17		0
	1	49	23.46	23.29	23.19	23.00	23.18		0
	25	0	22.56	22.54	22.28	22.12	22.27	0-1	1
	25	12	22.51	22.46	22.25	22.16	22.21		1
	25	25	22.60	22.48	22.28	22.14	22.26		1
16QAM	50	0	22.61	22.49	22.24	22.12	22.29	0-1	1
	1	0	22.34	22.41	22.17	22.19	22.18		1
	1	25	22.38	22.28	22.14	22.21	22.24		1
	1	49	22.41	22.20	22.09	22.07	22.18	0-2	1
	25	0	21.63	21.58	21.36	21.28	21.33		2
	25	12	21.64	21.54	21.34	21.22	21.28		2
64QAM	25	25	21.61	21.47	21.31	21.24	21.31	0-2	2
	50	0	21.65	21.57	21.38	21.27	21.35		2
	1	0	21.57	21.53	21.34	21.23	21.31		2
	1	25	21.61	21.62	21.40	21.24	21.27	0-3	2
	1	49	21.63	21.59	21.37	21.19	21.30		2
	25	0	20.48	20.46	20.28	20.25	20.35		3
25	12	20.44	20.39	20.31	20.26	20.34	0-3	3	
25	25	20.53	20.43	20.26	20.22	20.41		3	
50	0	20.61	20.55	20.37	20.25	20.49	0-3	3	





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Table H-43
LTE Band 41 PC3 Maximum 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]	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	23.44	23.41	23.18	23.08	23.09	0	0
	1	12	23.51	23.39	23.21	23.09	23.08		0
	1	24	23.47	23.31	23.16	23.06	23.04		0
	12	0	22.57	22.54	22.23	22.17	22.16	0-1	1
	12	6	22.58	22.48	22.23	22.15	22.15		1
	12	13	22.60	22.45	22.29	22.13	22.15		1
16QAM	25	0	22.59	22.46	22.28	22.17	22.16	0-1	1
	1	0	22.48	22.46	22.10	22.05	22.23		1
	1	12	22.55	22.47	22.07	22.11	22.27		1
	1	24	22.59	22.39	22.05	22.07	22.28	0-2	1
	12	0	21.62	21.53	21.30	21.17	21.37		2
	12	6	21.64	21.55	21.28	21.18	21.29		2
64QAM	12	13	21.65	21.60	21.23	21.12	21.32	0-2	2
	25	0	21.66	21.54	21.33	21.20	21.30		2
	1	0	21.67	21.56	21.35	21.25	21.30		2
	1	12	21.72	21.51	21.40	21.26	21.28	0-2	2
	1	24	21.68	21.47	21.32	21.23	21.27		2
	12	0	20.52	20.49	20.35	20.24	20.43		0-3
12	6	20.50	20.45	20.28	20.22	20.46	3		
12	13	20.52	20.45	20.32	20.22	20.44	3		
25	0	20.55	20.46	20.27	20.25	20.44	0-3	3	

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