

APPENDIX F: LTE AND LOWER BANDWIDTH RF CONDUCTED POWERS

F.1 LTE Lower Bandwidth RF Conducted Powers

F.1.1 LTE Band 12

Table F-1
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	23.77	23.94	24.11	0	0
	1	12	23.74	23.98	24.12		0
	1	24	23.74	24.00	24.12		0
	12	0	22.62	22.76	22.80	0-1	1
	12	6	22.61	22.77	22.83		1
	12	13	22.57	22.78	22.85		1
16QAM	25	0	22.60	22.78	22.81	0-1	1
	1	0	22.50	22.81	22.43		1
	1	12	22.50	22.84	22.48		1
	1	24	22.41	22.84	22.31	0-2	1
	12	0	21.74	21.94	21.97		2
	12	6	21.71	21.97	21.95		2
	12	13	21.63	21.96	22.01	2	
	25	0	21.72	21.91	21.96	2	

Table F-2
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	23.75	23.96	23.91	0	0
	1	7	23.73	23.99	23.94		0
	1	14	23.72	23.97	23.95		0
	8	0	22.67	22.80	22.86	0-1	1
	8	4	22.66	22.81	22.88		1
	8	7	22.65	22.81	22.88		1
16QAM	15	0	22.65	22.79	22.87	0-1	1
	1	0	22.45	22.54	22.64		1
	1	7	22.48	22.56	22.64		1
	1	14	22.51	22.60	22.64	0-2	1
	8	0	21.91	21.97	22.03		2
	8	4	21.92	21.96	22.00		2
	8	7	21.91	22.00	22.01	2	
	15	0	21.77	21.92	21.91	2	



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Table F-3
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	23.91	23.96	23.94	0	0	
	1	2	23.86	23.95	23.97		0	
	1	5	23.85	23.98	23.97		0	
	3	0	23.68	23.81	23.97		0	
	3	2	23.71	23.86	23.98		0	
	3	3	23.71	23.85	23.97		0	
	6	0	22.64	22.84	22.89		0-1	1
16QAM	1	0	22.70	22.83	22.57	0-1	1	
	1	2	22.55	22.83	22.57		1	
	1	5	22.74	22.97	22.67		1	
	3	0	22.61	22.82	22.92		1	
	3	2	22.58	22.78	22.90		1	
	3	3	22.62	22.81	22.89		1	
	6	0	21.67	21.87	22.01		0-2	2

F.1.2 LTE Band 26

Table F-4
LTE Band 26 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	23.97	24.00	24.06	0	0	
	1	25	23.83	23.98	23.97		0	
	1	49	23.78	24.03	23.73		0	
	QPSK	25	0	22.99	22.99	22.98	0-1	1
		25	12	22.92	23.01	22.94		1
		25	25	22.87	23.00	22.87		1
		50	0	22.94	23.01	22.97		1
16QAM	1	0	22.85	22.99	22.74	0-1	1	
	1	25	22.71	22.96	22.64		1	
	1	49	22.65	23.01	22.49		1	
	16QAM	25	0	21.88	21.97	21.93	0-2	2
		25	12	21.83	21.96	21.87		2
		25	25	21.78	22.00	21.79		2
		50	0	21.84	21.98	21.93		2



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Table F-5
LTE Band 26 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	23.85	23.94	24.03	0	0
	1	12	23.73	23.93	23.90		0
	1	24	23.74	23.94	23.81		0
	12	0	22.88	23.02	23.05	0-1	1
	12	6	22.83	23.00	23.06		1
	12	13	22.84	23.03	22.93		1
	25	0	22.84	23.03	23.02		1
16QAM	1	0	22.75	22.83	23.05	0-1	1
	1	12	22.67	22.81	22.94		1
	1	24	22.67	22.90	22.85		1
	12	0	21.80	21.96	22.04	0-2	2
	12	6	21.77	21.92	22.00		2
	12	13	21.68	21.95	21.94		2
	25	0	21.74	21.96	21.97		2

Table F-6
LTE Band 26 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	23.93	24.00	24.16	0	0
	1	7	23.88	23.99	24.04		0
	1	14	23.85	23.99	24.00		0
	8	0	22.92	23.05	23.13	0-1	1
	8	4	22.88	23.04	23.14		1
	8	7	22.91	23.07	23.08		1
	15	0	22.95	23.05	23.07		1
16QAM	1	0	23.00	23.00	22.94	0-1	1
	1	7	22.90	22.96	22.85		1
	1	14	22.88	23.04	22.78		1
	8	0	21.80	22.03	22.11	0-2	2
	8	4	21.78	22.02	22.00		2
	8	7	21.71	22.02	22.01		2
	15	0	21.76	22.04	22.05		2



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Table F-7
LTE Band 26 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	23.96	24.07	24.18	0	0
	1	2	23.91	24.09	24.15		0
	1	5	23.92	24.08	24.11		0
	3	0	23.89	24.00	24.11		0
	3	2	23.86	23.98	24.05		0
	3	3	23.84	24.03	24.07		0
16QAM	6	0	22.90	23.06	23.12	0-1	1
	1	0	22.87	22.97	22.80	0-1	1
	1	2	22.89	23.00	22.81		1
	1	5	22.87	22.97	22.77		1
	3	0	22.84	23.07	23.09		1
	3	2	22.84	23.08	23.00		1
	3	3	22.80	23.06	23.04		1
	6	0	21.89	22.03	22.01		0-2

F.1.3 LTE Band 66 (AWS)

Table F-8
LTE Band 66 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	24.12	23.43	23.24	0	0	
	1	36	24.08	23.49	23.21		0	
	1	74	24.02	23.49	23.17		0	
	16QAM	36	0	22.98	22.31	22.07	0-1	1
		36	18	22.98	22.32	22.09		1
		36	37	22.95	22.32	22.05		1
75		0	22.99	22.31	22.08	1		
16QAM	1	0	23.05	21.99	21.79	0-1	1	
	1	36	22.94	22.00	21.78		1	
	1	74	22.94	22.04	21.77		1	
	16QAM	36	0	22.00	21.39	21.10	0-2	2
		36	18	21.99	21.40	21.04		2
		36	37	21.92	21.38	21.08		2
		75	0	21.95	21.37	21.12		2

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**Table F-9
LTE Band 66 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	24.01	23.24	23.21	0	0
	1	25	23.97	23.27	23.20		0
	1	49	23.94	23.27	23.20		0
	25	0	22.89	22.30	22.16	0-1	1
	25	12	22.89	22.28	22.16		1
	25	25	22.86	22.29	22.10		1
	50	0	22.88	22.29	22.14		1
16QAM	1	0	22.62	22.10	21.95	0-1	1
	1	25	22.64	22.04	21.99		1
	1	49	22.60	22.12	21.93		1
	25	0	21.92	21.34	21.21	0-2	2
	25	12	21.91	21.36	21.19		2
	25	25	21.88	21.38	21.17		2
	50	0	21.94	21.40	21.19		2

**Table F-10
LTE Band 66 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	24.02	23.40	23.31	0	0
	1	12	24.01	23.41	23.34		0
	1	24	24.01	23.41	23.31		0
	12	0	22.91	22.33	22.18	0-1	1
	12	6	22.91	22.29	22.21		1
	12	13	22.92	22.31	22.19		1
	25	0	22.92	22.27	22.14		1
16QAM	1	0	22.45	22.00	21.76	0-1	1
	1	12	22.45	22.03	21.84		1
	1	24	22.51	22.00	21.74		1
	12	0	21.87	21.38	21.30	0-2	2
	12	6	21.89	21.36	21.27		2
	12	13	21.90	21.33	21.25		2
	25	0	21.97	21.40	21.24		2



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Table F-11
LTE Band 66 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	24.01	23.41	23.19	0	0
	1	7	24.08	23.42	23.25		0
	1	14	24.01	23.45	23.20		0
	8	0	22.99	22.32	22.20	0-1	1
	8	4	22.96	22.32	22.20		1
	8	7	23.01	22.34	22.19		1
	15	0	22.99	22.35	22.17		1
16QAM	1	0	22.84	22.01	22.14	0-1	1
	1	7	22.65	21.97	21.97		1
	1	14	22.57	21.85	21.83		1
	8	0	22.10	21.43	21.31	0-2	2
	8	4	22.10	21.41	21.27		2
	8	7	22.05	21.41	21.21		2
	15	0	22.05	21.40	21.29		2

Table F-12
LTE Band 66 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	24.25	23.33	23.14	0	0
	1	2	24.15	23.33	23.14		0
	1	5	24.21	23.39	23.12		0
	3	0	24.05	23.36	23.21		0
	3	2	24.09	23.42	23.18		0
	3	3	24.09	23.41	23.15		0
	6	0	22.97	22.30	22.11	0-1	1
16QAM	1	0	23.12	22.38	21.98	0-1	1
	1	2	23.20	22.41	21.97		1
	1	5	23.14	22.42	22.00		1
	3	0	23.00	22.37	22.32		1
	3	2	22.98	22.36	22.25		1
	3	3	22.96	22.36	22.26		1
	6	0	22.01	21.40	21.08	0-2	2



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Table F-13

LTE Band 66 (AWS) Reduced RCV/Proximity Sensor 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	21.88	21.42	21.38	0	0
	1	36	21.86	21.41	21.32		0
	1	74	21.81	21.44	21.34		0
	36	0	21.83	21.31	21.19	0-1	0
	36	18	21.77	21.33	21.20		0
	36	37	21.75	21.35	21.17		0
	75	0	21.79	21.35	21.19		0
16QAM	1	0	21.60	21.18	21.26	0-1	0
	1	36	21.54	21.15	21.21		0
	1	74	21.59	21.21	21.19		0
	36	0	21.82	21.42	21.13	0-2	0
	36	18	21.75	21.37	21.15		0
	36	37	21.77	21.44	21.17		0
	75	0	21.83	21.40	21.17		0

Table F-14

LTE Band 66 (AWS) Reduced RCV/Proximity Sensor 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	22.00	21.31	21.23	0	0
	1	25	21.97	21.45	21.22		0
	1	49	21.96	21.46	21.24		0
	25	0	21.97	21.40	21.21	0-1	0
	25	12	22.00	21.36	21.23		0
	25	25	22.00	21.35	21.00		0
	50	0	22.02	21.34	21.21		0
16QAM	1	0	21.83	21.16	21.04	0-1	0
	1	25	21.88	21.04	21.02		0
	1	49	21.77	21.27	21.02		0
	25	0	22.09	21.42	21.33	0-2	0
	25	12	22.04	21.48	21.34		0
	25	25	22.00	21.45	21.27		0
	50	0	22.01	21.45	21.26		0



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Table F-15

LTE Band 66 (AWS) Reduced RCV/Proximity Sensor 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	22.21	21.57	21.23	0	0
	1	12	22.18	21.52	21.33		0
	1	24	22.18	21.42	21.24		0
	12	0	22.13	21.38	21.30	0-1	0
	12	6	22.06	21.37	21.19		0
	12	13	22.09	21.43	21.23		0
	25	0	22.05	21.40	21.21		0
16QAM	1	0	22.02	21.51	21.51	0-1	0
	1	12	22.02	21.04	20.93		0
	1	24	22.03	21.09	20.94		0
	12	0	22.21	21.60	21.37	0-2	0
	12	6	22.22	21.35	21.33		0
	12	13	22.27	21.53	21.33		0
	25	0	22.11	21.34	21.17		0

Table F-16

LTE Band 66 (AWS) Reduced RCV/Proximity Sensor 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	22.11	21.38	21.28	0	0
	1	7	22.04	21.33	21.32		0
	1	14	22.07	21.35	21.29		0
	8	0	22.04	21.39	21.25	0-1	0
	8	4	22.06	21.36	21.26		0
	8	7	22.08	21.32	21.23		0
	15	0	22.12	21.37	21.22		0
16QAM	1	0	22.20	21.24	20.95	0-1	0
	1	7	22.15	21.55	21.21		0
	1	14	22.12	21.49	21.29		0
	8	0	22.26	21.46	21.25	0-2	0
	8	4	22.21	21.46	21.32		0
	8	7	22.18	21.49	21.22		0
	15	0	22.07	21.37	21.27		0



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Table F-17

LTE Band 66 (AWS) Reduced RCV/Proximity Sensor 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	22.00	21.45	21.35	0	0
	1	2	21.98	21.35	21.24		0
	1	5	21.95	21.48	21.28		0
	3	0	22.14	21.44	21.23		0
	3	2	22.20	21.38	21.33		0
	3	3	22.16	21.44	21.28		0
	6	0	22.06	21.22	21.23		0
16QAM	1	0	22.14	21.20	21.16	0-1	0
	1	2	22.03	21.23	21.12		0
	1	5	22.01	21.24	21.23		0
	3	0	22.24	21.36	21.32		0
	3	2	22.09	21.43	21.32		0
	3	3	22.14	21.28	21.25		0
	6	0	22.19	21.50	21.15		0

F.1.4 LTE Band 2 (PCS)

Table F-18

LTE Band 2 (PCS) Maximum Conducted Powers – 15 MHz Bandwidth

LTE Band 2 (PCS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			18675 (1857.5 MHz)	18900 (1880.0 MHz)	19125 (1902.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	23.99	24.08	24.08	0	0	
	1	36	23.94	24.01	24.02		0	
	1	74	23.92	23.97	23.91		0	
	16QAM	36	0	23.00	22.97	23.13	0-1	1
		36	18	22.85	22.94	23.12		1
		36	37	22.86	22.93	23.06		1
		75	0	22.89	22.98	23.12		1
16QAM	1	0	23.24	23.20	23.04	0-1	1	
	1	36	23.15	23.15	22.93		1	
	1	74	23.16	23.11	22.92		1	
	16QAM	36	0	21.94	22.02	22.10	0-2	2
		36	18	21.89	21.98	22.06		2
		36	37	21.91	21.99	22.05		2
		75	0	21.96	22.04	22.10		2




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Table F-19
LTE Band 2 (PCS) Maximum Conducted Powers – 10 MHz Bandwidth

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18650 (1855.0 MHz)	18900 (1880.0 MHz)	19150 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.87	24.07	24.27	0	0
	1	25	23.84	24.03	24.20		0
	1	49	23.83	24.03	24.16		0
	25	0	23.00	22.92	23.14	0-1	1
	25	12	22.75	22.92	23.11		1
	25	25	22.72	22.93	23.11		1
	50	0	22.76	22.93	23.14		1
16QAM	1	0	22.91	23.30	23.15	0-1	1
	1	25	22.87	23.20	23.12		1
	1	49	22.80	23.19	23.10		1
	25	0	21.81	22.02	22.17	0-2	2
	25	12	21.82	22.00	22.14		2
	25	25	21.81	22.02	22.15		2
	50	0	21.85	21.97	22.24		2

Table F-20
LTE Band 2 (PCS) Maximum Conducted Powers – 5 MHz Bandwidth

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18625 (1852.5 MHz)	18900 (1880.0 MHz)	19175 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.85	24.02	24.19	0	0
	1	12	23.82	23.99	24.15		0
	1	24	23.84	24.01	24.14		0
	12	0	23.00	22.96	23.15	0-1	1
	12	6	22.84	22.96	23.17		1
	12	13	22.83	22.98	23.16		1
	25	0	22.85	22.96	23.17		1
16QAM	1	0	22.84	23.25	23.16	0-1	1
	1	12	22.82	23.22	23.13		1
	1	24	22.81	23.25	23.14		1
	12	0	21.86	22.03	22.22	0-2	2
	12	6	21.88	22.00	22.21		2
	12	13	21.95	22.01	22.22		2
	25	0	21.91	22.01	22.24		2



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Table F-21
LTE Band 2 (PCS) Maximum Conducted Powers – 3 MHz Bandwidth

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18615 (1851.5 MHz)	18900 (1880.0 MHz)	19185 (1908.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.90	23.98	24.22	0	0
	1	7	23.85	23.92	24.19		0
	1	14	23.88	23.91	24.13		0
	8	0	23.00	22.98	23.23	0-1	1
	8	4	22.89	22.99	23.23		1
	8	7	22.88	22.99	23.21		1
	15	0	22.91	22.98	23.21		1
16QAM	1	0	23.11	23.13	23.22	0-1	1
	1	7	23.03	23.07	23.24		1
	1	14	23.05	23.12	23.24		1
	8	0	21.88	22.00	22.18	0-2	2
	8	4	21.88	22.01	22.19		2
	8	7	21.86	22.01	22.13		2
	15	0	21.94	22.03	22.24		2

Table F-22
LTE Band 2 (PCS) Maximum Conducted Powers – 1.4 MHz Bandwidth

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18607 (1850.7 MHz)	18900 (1880.0 MHz)	19193 (1909.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.91	24.07	24.30	0	0
	1	2	23.89	24.05	24.30		0
	1	5	23.93	24.03	24.29		0
	3	0	24.03	24.15	24.10		0
	3	2	23.90	24.00	24.00		0
	3	3	23.86	24.01	23.80		0
	6	0	22.94	23.06	23.24	0-1	1
16QAM	1	0	22.85	22.88	23.18	0-1	1
	1	2	22.80	22.84	23.19		1
	1	5	22.85	22.86	23.19		1
	3	0	22.75	22.96	22.95		1
	3	2	22.77	22.87	23.00		1
	3	3	22.80	22.85	23.10		1
	6	0	21.96	21.99	22.14	0-2	2



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Table F-23

LTE Band 2 (PCS) Reduced RCV/Proximity Sensor and/or Earjack Active – 15 MHz Bandwidth

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18675 (1857.5 MHz)	18900 (1880.0 MHz)	19125 (1902.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.49	21.60	21.88	0	0
	1	36	21.37	21.59	21.76		0
	1	74	21.31	21.56	21.65		0
	36	0	21.35	21.57	21.73	0-1	0
	36	18	21.36	21.53	21.64		0
	36	37	21.27	21.47	21.60		0
	75	0	21.38	21.57	21.71		0
16QAM	1	0	21.15	21.28	21.30	0-1	0
	1	36	21.06	21.14	21.45		0
	1	74	21.02	21.13	21.49		0
	36	0	21.38	21.55	21.69	0-2	0
	36	18	21.39	21.57	21.60		0
	36	37	21.34	21.51	21.63		0
	75	0	21.43	21.56	21.67		0

Table F-24

LTE Band 2 (PCS) Reduced RCV/Proximity Sensor and/or Earjack Active – 10 MHz Bandwidth

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18650 (1855.0 MHz)	18900 (1880.0 MHz)	19150 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.41	21.57	21.78	0	0
	1	25	21.37	21.55	21.65		0
	1	49	21.26	21.53	21.60		0
	25	0	21.44	21.54	21.72	0-1	0
	25	12	21.35	21.56	21.72		0
	25	25	21.33	21.50	21.65		0
	50	0	21.35	21.53	21.69		0
16QAM	1	0	21.08	21.02	21.51	0-1	0
	1	25	21.22	21.03	21.42		0
	1	49	21.15	21.05	21.52		0
	25	0	21.38	21.49	21.88	0-2	0
	25	12	21.44	21.51	21.72		0
	25	25	21.37	21.45	21.79		0
	50	0	21.38	21.45	21.79		0



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Table F-25
LTE Band 2 (PCS) Reduced RCV/Proximity Sensor and/or Earjack Active – 5 MHz Bandwidth

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18625 (1852.5 MHz)	18900 (1880.0 MHz)	19175 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.35	21.67	21.89	0	0
	1	12	21.27	21.52	21.92		0
	1	24	21.29	21.55	21.81		0
	12	0	21.42	21.59	21.81	0-1	0
	12	6	21.39	21.56	21.81		0
	12	13	21.42	21.56	21.75		0
	25	0	21.40	21.58	21.79		0
16QAM	1	0	21.14	21.49	21.34	0-1	0
	1	12	21.02	21.35	21.32		0
	1	24	21.02	21.33	21.24		0
	12	0	21.44	21.51	21.68	0-2	0
	12	6	21.39	21.58	21.56		0
	12	13	21.35	21.57	21.61		0
	25	0	21.46	21.51	21.73		0

Table F-26
LTE Band 2 (PCS) Reduced RCV/Proximity Sensor and/or Earjack Active – 3 MHz Bandwidth

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18615 (1851.5 MHz)	18900 (1880.0 MHz)	19185 (1908.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.39	21.56	21.99	0	0
	1	7	21.41	21.54	21.97		0
	1	14	21.47	21.51	21.94		0
	8	0	21.38	21.55	22.00	0-1	0
	8	4	21.39	21.54	21.88		0
	8	7	21.38	21.55	21.87		0
	15	0	21.39	21.56	21.87		0
16QAM	1	0	21.01	21.13	21.48	0-1	0
	1	7	21.03	21.18	21.57		0
	1	14	21.10	21.11	21.40		0
	8	0	21.41	21.55	21.81	0-2	0
	8	4	21.39	21.57	21.86		0
	8	7	21.38	21.55	21.88		0
	15	0	21.41	21.56	21.78		0



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Table F-27
LTE Band 2 (PCS) Reduced RCV/Proximity Sensor and/or Earjack Active – 1.4 MHz Bandwidth

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			18607 (1850.7 MHz)	18900 (1880.0 MHz)	19193 (1909.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.58	21.52	21.89	0	0
	1	2	21.49	21.53	21.87		0
	1	5	21.53	21.51	21.97		0
	3	0	21.45	21.58	21.92		0
	3	2	21.40	21.62	21.78		0
	3	3	21.39	21.55	21.87		0
	6	0	21.36	21.52	21.84		0
16QAM	1	0	21.18	21.12	21.39	0-1	0
	1	2	21.19	21.43	21.29		0
	1	5	21.09	21.19	21.35		0
	3	0	21.31	21.58	21.77		0
	3	2	21.34	21.57	21.73		0
	3	3	21.33	21.67	21.77		0
	6	0	21.28	21.48	21.82		0

F.1.5 LTE Band 41

Table F-28
LTE Band 41 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	23.22	22.65	22.90	23.20	23.08	0	0	
	1	36	23.15	22.71	22.91	23.17	22.89		0	
	1	74	23.06	22.70	22.94	23.15	22.58		0	
	QPSK	36	0	22.50	22.07	22.30	22.40	22.16	0-1	1
		36	18	22.40	22.03	22.30	22.45	22.03		1
		36	37	22.37	22.04	22.29	22.45	21.82		1
		75	0	22.33	22.07	22.32	22.48	22.01		1
16QAM	1	0	22.14	21.70	22.24	22.34	22.06	0-1	1	
	1	36	22.11	22.04	21.83	22.31	21.85		1	
	1	74	22.04	21.64	21.80	22.00	21.77		1	
	16QAM	36	0	21.23	20.74	21.25	21.38	21.02	0-2	2
		36	18	21.24	20.70	21.22	21.37	20.89		2
		36	37	21.30	20.68	21.31	21.36	20.73		2
75	0	21.32	20.75	21.25	21.33	20.91	2			



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Table F-29
LTE Band 41 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	23.19	22.55	22.91	23.08	23.07	0	0
	1	25	23.09	22.69	22.81	22.92	22.89		0
	1	49	23.07	22.63	22.83	22.82	22.66		0
	25	0	22.37	21.95	22.15	22.21	22.06	0-1	1
	25	12	22.31	21.92	22.11	22.22	21.97		1
	25	25	22.30	21.93	22.20	22.17	21.86		1
16QAM	50	0	22.38	21.89	22.16	22.16	22.00	0-1	1
	1	0	22.10	21.62	21.91	22.00	22.08		1
	1	25	22.11	21.47	21.94	21.76	21.90		1
	25	0	21.33	20.88	21.12	21.26	21.03	0-2	2
	25	12	21.36	20.95	21.08	21.30	20.95		2
	25	25	21.37	20.84	21.21	21.19	20.86		2
	50	0	21.37	20.86	21.18	21.24	21.00		2

Table F-30
LTE Band 41 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	23.14	22.55	22.88	22.89	23.00	0	0
	1	12	23.16	22.54	22.87	22.98	22.89		0
	1	24	23.15	22.56	22.81	22.78	22.74		0
	12	0	22.30	21.90	22.15	22.21	22.06	0-1	1
	12	6	22.33	21.95	22.15	22.22	21.95		1
	12	13	22.36	21.93	22.09	22.23	21.90		1
16QAM	25	0	22.31	21.92	22.10	22.21	21.91	0-1	1
	1	0	21.95	21.83	21.75	21.83	21.97		1
	1	12	22.11	21.46	21.65	21.63	21.86		1
	1	24	22.10	21.89	21.72	21.86	21.77	0-2	2
	12	0	21.20	20.92	21.09	21.22	20.91		2
	12	6	21.24	20.77	21.19	21.15	20.86		2
	12	13	21.31	20.81	21.15	21.16	20.80		2
	25	0	21.31	20.96	21.07	21.12	20.94		2



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Table F-31

LTE Band 41 Reduced RCV/Hotspot/Proximity Sensor and/or Earjack Active – 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	16.76	16.49	16.64	16.66	16.75	0	0
	1	36	16.73	16.42	16.61	16.56	16.70		0
	1	74	16.71	16.45	16.61	16.54	16.60		0
	36	0	16.87	16.41	16.71	16.79	16.88	0-1	0
	36	18	16.86	16.44	16.64	16.81	16.74		0
	36	37	16.89	16.45	16.70	16.77	16.78		0
	75	0	16.85	16.46	16.73	16.71	16.89		0
16QAM	1	0	16.45	16.49	16.40	16.68	16.36	0-1	0
	1	36	16.77	16.10	16.53	16.58	16.41		0
	1	74	16.34	16.32	16.50	16.59	16.21		0
	36	0	16.90	16.44	16.71	16.78	16.93	0-2	0
	36	18	16.88	16.47	16.70	16.73	16.88		0
	36	37	16.76	16.44	16.67	16.72	16.75		0
	75	0	16.83	16.52	16.68	16.70	16.89		0

Table F-32

LTE Band 41 Reduced RCV/Hotspot/Proximity Sensor and/or Earjack Active – 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	16.91	16.33	16.66	16.75	16.86	0	0
	1	25	16.81	16.32	16.64	16.74	16.81		0
	1	49	16.79	16.33	16.68	16.59	16.81		0
	25	0	16.88	16.43	16.71	16.77	16.90	0-1	0
	25	12	16.81	16.41	16.73	16.71	16.76		0
	25	25	16.79	16.42	16.68	16.72	16.82		0
	50	0	16.77	16.37	16.71	16.64	16.71		0
16QAM	1	0	16.55	16.25	16.43	16.40	16.75	0-1	0
	1	25	16.58	16.23	16.49	16.42	16.58		0
	1	49	16.62	16.50	16.55	16.37	16.67		0
	25	0	16.74	16.39	16.68	16.77	16.86	0-2	0
	25	12	16.67	16.35	16.60	16.63	16.83		0
	25	25	16.78	16.45	16.66	16.71	16.83		0
	50	0	16.88	16.45	16.69	16.72	16.84		0





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Table F-33

LTE Band 41 Reduced RCV/Hotspot/Proximity Sensor and/or Earjack Active – 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	16.94	16.35	16.81	16.67	16.75	0	0	
	1	12	16.66	16.34	16.72	16.72	16.83		0	
	1	24	16.73	16.36	16.79	16.64	16.84		0	
	QPSK	12	0	16.85	16.38	16.67	16.73	16.85	0-1	0
		12	6	16.88	16.43	16.66	16.71	16.80		0
		12	13	16.84	16.45	16.65	16.78	16.81		0
		25	0	16.81	16.41	16.71	16.77	16.88		0
1		0	16.54	16.22	16.43	16.40	16.54	0-1		0
1	12	16.47	16.19	16.45	16.45	16.45	0			
1	24	16.51	16.21	16.52	16.58	16.67	0			
16QAM	12	0	16.84	16.35	16.76	16.63	16.72	0-2	0	
	12	6	16.87	16.32	16.58	16.61	16.77		0	
	12	13	16.88	16.32	16.71	16.67	16.65		0	
	25	0	16.89	16.44	16.71	16.70	16.79		0	

FCC ID A3LSMA127M	 PCTEST <small>Proud to be part of element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/31/21 – 07/07/21	DUT Type: Portable Handset	APPENDIX F: Page 17 of 17		