

APPENDIX H: LTE LOWER BANDWIDTH RF CONDUCTED POWERS

H.1 LTE Lower Bandwidth RF Conducted Powers

H.1.1 LTE Band 12

Table H-1
LTE Band 12 Measured P_{Max} for all DSI - 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	24.61	24.62	24.84	0	0
	1	12	24.54	24.77	24.81		0
	1	24	24.67	24.75	24.68		0
	12	0	23.76	23.77	23.80	0-1	1
	12	6	23.79	23.82	23.80		1
	12	13	23.77	23.84	23.77		1
16QAM	25	0	23.77	23.81	23.77	0-1	1
	1	0	24.26	23.75	23.64		1
	1	12	24.14	23.79	23.88		1
	1	24	24.01	23.84	23.49	0-2	1
	12	0	22.75	22.71	22.68		2
	12	6	22.79	22.84	22.73		2
64QAM	12	13	22.77	22.77	22.70	0-2	2
	25	0	22.75	22.82	22.88		2
	1	0	23.03	23.20	23.42		2
	1	12	23.08	23.43	23.37	0-2	2
	1	24	23.03	23.22	23.34		2
	12	0	21.76	21.85	21.96		0-3
64QAM	12	6	21.71	21.91	21.89	3	
	12	13	21.78	21.93	21.87	3	
	25	0	21.87	21.90	21.71	3	

Table H-2
LTE Band 12 Measured P_{Max} for all DSI - 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	24.67	24.58	24.72	0	0
	1	7	24.59	24.55	24.66		0
	1	14	24.51	24.62	24.66		0
	8	0	23.78	23.78	23.75	0-1	1
	8	4	23.73	23.82	23.81		1
	8	7	23.69	23.81	23.79		1
16QAM	15	0	23.77	23.86	23.80	0-1	1
	1	0	24.38	23.75	23.70		1
	1	7	24.31	23.76	23.78		1
	1	14	24.31	23.80	23.81	0-2	1
	8	0	22.73	22.78	22.67		2
	8	4	22.69	22.80	22.66		2
64QAM	8	7	22.68	22.82	22.62	0-2	2
	15	0	22.81	22.87	22.83		2
	1	0	23.03	22.79	22.92		0-2
	1	7	22.62	22.82	22.87	2	
	1	14	22.57	22.78	22.84	0-3	
	8	0	21.91	21.93	21.97		3
8	4	21.88	21.97	21.96	3		
64QAM	8	7	21.86	21.96	21.94	0-3	3
	15	0	21.87	21.89	21.91		3



FCC ID: A3LSMF926JPN	 PCTEST Proud to be part of element	SAR EVALUATION REPORT		Reviewed by: Quality Manager
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Table H-3
LTE Band 12 Measured P_{Max} for all DSI - 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	24.41	24.43	24.44	0	0
	1	2	24.51	24.51	24.49		0
	1	5	24.44	24.48	24.36		0
	3	0	24.45	24.44	24.41		0
	3	2	24.44	24.52	24.47		0
	3	3	24.40	24.42	24.42		0
16QAM	6	0	23.52	23.54	23.51	0-1	1
	1	0	23.77	23.79	23.79	0-1	1
	1	2	23.76	23.78	23.80		1
	1	5	23.77	23.77	23.80		1
	3	0	23.72	23.75	23.77		1
	3	2	23.78	23.78	23.81		1
3	3	23.73	23.74	23.70	1		
64QAM	6	0	22.60	22.67	22.69	0-2	2
	1	0	22.79	22.69	22.92	0-2	2
	1	2	22.78	22.79	22.88		2
	1	5	22.68	22.76	22.85		2
	3	0	22.61	22.62	22.74		2
	3	2	22.61	22.73	22.73		2
3	3	22.64	22.67	22.74	2		
	6	0	21.53	21.63	21.57	0-3	3



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Table H-4
LTE Band 13 Measured P_{Max} for all DSI - 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	24.86	0	0		
	1	12	24.85		0		
	1	24	24.78		0		
	16QAM	12	0	23.98	0-1	1	
		12	6	24.00		1	
		12	13	23.93		1	
		25	0	23.88		1	
64QAM		1	0	23.97		0-1	1
		1	12	23.90			1
		1	24	23.86			1
	16QAM	12	0	22.97	0-2	2	
		12	6	23.04		2	
		12	13	22.92		2	
		25	0	22.93		2	
64QAM		1	0	23.61		0-2	2
		1	12	23.44			2
		1	24	23.56			2
	64QAM	12	0	22.03	0-3	3	
		12	6	22.02		3	
		12	13	22.07		3	
		25	0	22.01		3	

Note: LTE Band 13 at 5 MHz bandwidth does 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.



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Table H-5
LTE Band 5 (Cell) Measured P_{Max} for all DSI - 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.77	24.79	24.78	0	0
	1	12	24.97	24.93	24.90		0
	1	24	24.84	24.79	24.75		0
	12	0	24.01	23.81	23.75	0-1	1
	12	6	23.99	23.86	23.77		1
	12	13	23.98	23.89	23.84		1
16QAM	25	0	24.01	23.87	23.80	0-1	1
	1	0	23.86	23.72	23.95		1
	1	12	23.92	23.71	24.21		1
	1	24	23.89	23.81	23.86	0-2	1
	12	0	23.01	22.75	22.78		2
	12	6	23.10	22.81	22.94		2
64QAM	12	13	22.99	22.74	22.80	0-2	2
	25	0	23.02	23.00	22.76		2
	1	0	22.98	23.27	23.02		2
	1	12	22.95	23.31	23.17	0-2	2
	1	24	22.60	23.24	22.92		2
	12	0	21.40	21.99	21.75		0-3
12	6	21.40	21.96	21.78	3		
12	13	21.17	21.99	21.77	3		
	25	0	21.32	21.79	21.95		3

Table H-6
LTE Band 5 (Cell) Measured P_{Max} for all DSI - 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]	MPR [dB]
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.95	24.67	24.32	0	0
	1	7	24.73	24.66	24.60		0
	1	14	24.81	24.62	24.37		0
	8	0	24.02	23.86	23.69	0-1	1
	8	4	24.00	23.94	23.80		1
	8	7	24.00	23.87	23.73		1
16QAM	15	0	24.01	23.81	23.69	0-1	1
	1	0	23.73	24.38	23.64		1
	1	7	23.72	24.58	23.71		1
	1	14	23.69	24.39	23.58	0-2	1
	8	0	22.85	22.78	22.75		2
	8	4	22.94	22.79	22.90		2
64QAM	8	7	22.84	22.92	22.82	0-2	2
	15	0	23.12	22.98	22.76		2
	1	0	22.49	23.32	22.82		0-2
	1	7	22.47	23.23	22.79	2	
	1	14	22.30	23.16	22.67	0-3	
	8	0	21.22	21.83	21.94		3
8	4	21.22	21.95	22.00	3		
	8	7	21.12	22.02	21.92		3
	15	0	21.40	21.76	21.73		3



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Table H-7
LTE Band 5 (Cell) Measured P_{Max} for all DSI - 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]	MPR [dB]
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	24.53	24.37	24.30	0	0
	1	2	24.65	24.49	24.41		0
	1	5	24.52	24.44	24.33		0
	3	0	24.52	24.35	24.26		0
	3	2	24.57	24.37	24.28		0
	3	3	24.50	24.37	24.20		0
16QAM	6	0	23.66	23.43	23.42	0-1	1
	1	0	23.76	23.73	23.66	0-1	1
	1	2	23.83	23.81	23.74		1
	1	5	23.77	23.73	23.78		1
	3	0	23.78	23.77	23.80		1
	3	2	23.82	23.78	23.64		1
3	3	23.81	23.78	23.75	1		
64QAM	6	0	22.80	22.57	22.68	0-2	2
	1	0	22.48	22.73	22.79	0-2	2
	1	2	22.45	22.73	22.80		2
	1	5	22.45	22.72	22.70		2
	3	0	22.16	22.63	22.55		2
	3	2	22.18	22.65	22.56		2
	3	3	22.10	22.72	22.53		2
	6	0	21.01	21.52	21.46		0-3

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Table H-8
LTE Band 4 (AWS) Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			20025 (1717.5 MHz)	20175 (1732.5 MHz)	20325 (1747.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	23.83	24.24	24.19	0	0	
	1	36	24.17	24.56	24.39		0	
	1	74	24.39	24.28	24.25		0	
	16QAM	36	0	23.25	23.42	23.44	0-1	1
		36	18	23.46	23.50	23.48		1
		36	37	23.48	23.47	23.47		1
		64QAM	75	0	23.38	23.43	23.42	0-1
1			0	23.16	23.61	23.47	1	
1			36	23.34	23.83	23.52	1	
16QAM			1	74	23.47	23.65	23.51	0-2
	36		0	22.32	22.42	22.44	2	
	36		18	22.41	22.50	22.49	2	
	64QAM		36	37	22.42	22.47	22.47	0-2
		75	0	22.42	22.40	22.39	2	
		1	0	21.55	21.85	22.43	2	
		64QAM	1	36	21.74	22.09	22.44	0-2
1			74	22.05	22.37	22.51	2	
36			0	20.51	21.06	21.35	0-3	
36			18	20.77	21.15	21.38		3
36	37		20.95	21.20	21.42	3		
75	0		20.71	21.06	21.36	3		

Table H-9
LTE Band 4 (AWS) Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			20000 (1715.0 MHz)	20175 (1732.5 MHz)	20350 (1750.0 MHz)			
Conducted Power [dBm]								
QPSK	1	0	23.67	24.16	24.13	0	0	
	1	25	24.19	24.32	24.43		0	
	1	49	23.94	24.22	24.26		0	
	16QAM	25	0	23.20	23.43	23.44	0-1	1
		25	12	23.37	23.46	23.50		1
		25	25	23.50	23.37	23.40		1
		64QAM	50	0	23.34	23.40	23.45	0-1
1			0	23.01	23.61	23.50	1	
1			25	23.49	23.71	23.63	1	
64QAM			1	49	23.48	23.55	23.48	0-2
	25		0	22.26	22.37	22.42	2	
	25		12	22.47	22.44	22.51	2	
	64QAM		25	25	22.50	22.35	22.39	0-2
		50	0	22.38	22.38	22.40	2	
		1	0	21.56	21.72	22.30	0-3	
		1	25	21.83	22.12	22.62		2
1		49	21.72	22.13	22.43	2		
25		0	20.53	21.06	21.33	3		
64QAM		25	12	20.67	21.15	21.44	0-3	3
	25	25	20.70	21.16	21.39	3		
	50	0	20.55	21.05	21.37	3		



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Table H-10

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			19975 (1712.5 MHz)	20175 (1732.5 MHz)	20375 (1752.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.02	24.38	24.38	0	0	
	1	12	24.01	24.59	24.46		0	
	1	24	24.23	24.31	24.29		0	
	12	0	23.10	23.50	23.50	0-1	1	
	12	6	23.23	23.47	23.51		1	
	12	13	23.29	23.47	23.48		1	
16QAM	25	0	23.13	23.45	23.48	0-1	1	
	1	0	23.15	23.72	23.58		0-1	1
	1	12	23.36	23.70	23.59			1
	1	24	23.48	23.63	23.64	0-2		1
	12	0	22.17	22.54	22.53		2	
	12	6	22.31	22.58	22.56		2	
64QAM	12	13	22.39	22.41	22.54	0-2	2	
	25	0	22.20	22.44	22.50		2	
	1	0	21.59	21.94	22.51		0-2	2
	1	12	21.61	22.07	22.59	2		
	1	24	21.73	22.16	22.50	0-3		2
	12	0	20.48	21.10	21.51		3	
	12	6	20.61	21.16	21.57		3	
	12	13	20.69	21.15	21.46	0-3	3	
25	0	20.52	21.07	21.47	3			

Table H-11

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			19965 (1711.5 MHz)	20175 (1732.5 MHz)	20385 (1753.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	24.06	24.43	24.44	0	0	
	1	7	23.91	24.46	24.37		0	
	1	14	24.04	24.33	24.32		0	
	8	0	23.06	23.49	23.50	0-1	1	
	8	4	23.16	23.49	23.50		1	
	8	7	23.18	23.45	23.48		1	
16QAM	15	0	23.09	23.49	23.47	0-1	1	
	1	0	23.17	23.74	23.73		0-1	1
	1	7	23.25	23.70	23.71			1
	1	14	23.45	23.69	23.58	0-2		1
	8	0	22.18	22.62	22.57		2	
	8	4	22.31	22.58	22.59		2	
64QAM	8	7	22.33	22.52	22.51	0-2	2	
	15	0	22.18	22.37	22.52		2	
	1	0	21.47	22.00	22.50		0-2	2
	1	7	21.54	22.10	22.55	2		
	1	14	21.80	22.16	22.58	2		
	64QAM	8	0	20.45	21.06	21.48	0-3	3
		8	4	20.51	21.15	21.50		3
		8	7	20.50	21.15	21.49		3
15		0	20.47	21.04	21.49	0-3	3	
15		0	20.47	21.04	21.49		3	



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Table H-12

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			19957 (1710.7 MHz)	20175 (1732.5 MHz)	20393 (1754.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.93	24.34	24.33	0	0
	1	2	23.95	24.36	24.36		0
	1	5	23.95	24.32	24.28		0
	3	0	23.85	24.34	24.36		0
	3	2	23.90	24.39	24.35		0
	3	3	23.86	24.33	24.31		0
16QAM	6	0	22.91	23.37	23.45	0-1	1
	1	0	23.11	23.57	23.61		1
	1	2	23.19	23.65	23.64		1
	1	5	23.18	23.65	23.59		1
	3	0	23.03	23.52	23.47		1
	3	2	23.09	23.55	23.52		1
64QAM	3	3	23.07	23.50	23.50	0-2	1
	6	0	22.09	22.50	22.42		2
	1	0	21.50	21.99	22.46		2
	1	2	21.64	22.07	22.55		2
	1	5	21.53	22.05	22.50		2
	3	0	21.40	21.91	22.37		2
64QAM	3	2	21.43	22.02	22.48	0-2	2
	3	3	21.44	21.95	22.45		2
	6	0	20.38	20.88	21.41		2
	6	0	20.38	20.88	21.41		2
	6	0	20.38	20.88	21.41		2
	6	0	20.38	20.88	21.41		3

Table H-13

LTE Band 4 (AWS) Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (Earjack active) - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			20025 (1717.5 MHz)	20175 (1732.5 MHz)	20325 (1747.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	17.92	17.68	17.98	0	0	
	1	36	18.19	18.00	18.10		0	
	1	74	18.06	17.97	18.01		0	
	36	0	18.20	18.06	18.11		0	
	36	18	18.42	18.11	18.16		0-1	0
	36	37	18.36	18.09	18.18			0
	75	0	18.17	18.12	18.05			0
16QAM	1	0	17.89	18.68	18.27	0-1	0	
	1	36	18.18	18.52	18.34		0	
	1	74	17.99	18.39	18.30		0	
	36	0	18.41	18.25	18.15		0-2	0
	36	18	18.33	18.26	18.22			0
	36	37	18.33	18.21	18.21			0
64QAM	75	0	18.31	18.17	18.11	0-2	0	
	1	0	17.96	18.17	18.57		0	
	1	36	18.26	18.30	18.61		0	
	1	74	18.08	18.30	18.48		0	
	36	0	18.35	18.23	18.23		0-3	0
	36	18	18.49	18.32	18.34			0
	36	37	18.31	18.29	18.28			0
75	0	18.16	18.12	18.27	0			



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Table H-14

LTE Band 4 (AWS) Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (Earjack active) - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20000 (1715.0 MHz)	20175 (1732.5 MHz)	20350 (1750.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.02	17.71	17.92	0	0
	1	25	18.38	18.12	18.23		0
	1	49	18.01	17.87	17.98		0
	25	0	18.36	18.21	18.10	0-1	0
	25	12	18.38	18.27	18.26		0
	25	25	18.34	18.23	18.08		0
16QAM	50	0	18.35	18.17	18.13	0-1	0
	1	0	18.02	18.13	18.09		0
	1	25	18.26	18.45	18.51		0
	1	49	18.36	18.02	17.80	0-2	0
	25	0	18.41	18.22	18.20		0
	25	12	18.43	18.19	18.33		0
64QAM	25	25	18.31	18.22	18.18	0-2	0
	50	0	18.34	18.23	18.24		0
	1	0	18.03	17.75	18.07		0-3
	1	25	18.32	18.25	18.12	0	
	1	49	18.21	17.97	18.00	0	
	25	0	18.43	18.43	18.37	0-3	0
25	12	18.50	18.48	18.41	0		
25	25	18.49	18.36	18.23	0		
50	0	18.41	18.38	18.32		0	

Table H-15

LTE Band 4 (AWS) Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (Earjack active) - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			19975 (1712.5 MHz)	20175 (1732.5 MHz)	20375 (1752.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.38	18.26	18.29	0	0
	1	12	18.46	18.20	18.26		0
	1	24	18.35	18.17	18.18		0
	12	0	18.43	18.29	18.24	0-1	0
	12	6	18.45	18.35	18.35		0
	12	13	18.39	18.29	18.19		0
16QAM	25	0	18.46	18.33	18.24	0-1	0
	1	0	18.33	18.27	18.17		0
	1	12	18.45	18.31	18.45		0
	1	24	18.49	18.20	18.06	0-2	0
	12	0	18.46	18.27	18.15		0
	12	6	18.53	18.28	18.22		0
64QAM	12	13	18.41	18.30	18.12	0-2	0
	25	0	18.35	18.24	18.33		0
	1	0	18.46	18.45	18.64		0-3
	1	12	18.61	18.41	18.79	0	
	1	24	18.56	18.39	18.77	0	
	12	0	18.37	18.24	18.46	0-3	0
12	6	18.43	18.29	18.38	0		
12	13	18.37	18.19	18.38	0		
25	0	18.42	18.29	18.29		0	



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Table H-16

LTE Band 4 (AWS) Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (Earjack active) - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			19965 (1711.5 MHz)	20175 (1732.5 MHz)	20385 (1753.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.32	18.26	18.13	0	0
	1	7	18.27	18.32	18.06		0
	1	14	18.32	18.22	18.03		0
	8	0	18.39	18.35	18.28	0-1	0
	8	4	18.43	18.33	18.34		0
	8	7	18.36	18.28	18.27		0
16QAM	15	0	18.40	18.30	18.30	0-1	0
	1	0	18.33	18.53	18.25		0
	1	7	18.24	18.46	18.29		0
	8	0	18.40	18.41	18.31	0-2	0
	8	4	18.32	18.40	18.34		0
	8	7	18.35	18.39	18.27		0
64QAM	15	0	18.58	18.33	18.28	0-2	0
	1	0	18.45	18.65	18.47		0
	1	7	18.26	18.58	18.41		0
	8	0	18.59	18.41	18.46	0-3	0
	8	4	18.60	18.39	18.44		0
	8	7	18.57	18.33	18.44		0
	15	0	18.60	18.30	18.41		0

Table H-17

LTE Band 4 (AWS) Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (Earjack active) - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			19957 (1710.7 MHz)	20175 (1732.5 MHz)	20393 (1754.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.31	18.18	18.12	0	0
	1	2	18.41	18.26	18.09		0
	1	5	18.32	18.22	17.95		0
	3	0	18.34	18.07	18.20	0-1	0
	3	2	18.32	18.21	18.21		0
	3	3	18.31	18.19	18.13		0
16QAM	6	0	18.41	18.28	18.23	0-1	0
	1	0	18.18	18.33	18.14		0
	1	2	18.28	18.31	18.23		0
	3	0	18.59	18.23	18.12	0-2	0
	3	2	18.65	18.17	18.18		0
	3	3	18.57	18.17	18.15		0
64QAM	6	0	18.32	18.34	18.35	0-2	0
	1	0	18.36	18.59	18.22		0
	1	2	18.38	18.56	18.39		0
	3	0	18.52	18.17	18.40	0-3	0
	3	2	18.45	18.18	18.41		0
	3	3	18.48	18.20	18.39		0
	6	0	18.45	18.14	18.35		0



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Table H-18
LTE Band 41 Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 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	22.11	21.86	21.92	22.20	21.93	0	0	
	1	36	22.23	22.02	22.17	22.21	22.18		0	
	1	74	22.27	21.71	22.01	22.16	22.20		0	
	QPSK	36	0	22.21	22.05	22.11	22.29	22.15	0-1	0
		36	18	22.27	22.04	22.32	22.22	22.36		0
		36	37	22.23	21.95	22.27	22.26	22.33		0
16QAM		75	0	22.18	21.91	22.19	22.21	22.27	0-1	0
		1	0	22.07	22.04	21.82	22.57	22.20		0
		1	36	22.18	21.99	22.06	22.66	22.47		0
	16QAM	1	74	22.26	22.00	22.09	22.16	22.41	0-2	0
		36	0	22.17	21.90	22.12	22.12	21.98		0
		36	18	22.25	22.00	22.24	22.15	22.20		0
64QAM		36	37	22.32	21.90	22.20	22.18	22.16	0-2	0
		75	0	22.20	21.92	22.09	22.04	22.25		0
		1	0	21.94	21.87	21.92	21.98	22.07		0
	64QAM	1	36	22.08	22.23	22.38	22.08	22.31	0-2	0
		1	74	22.01	22.02	22.18	21.81	22.34		0
		36	0	20.94	20.91	20.95	21.15	21.08		1
64QAM		36	18	21.22	20.95	21.13	21.21	21.30	0-3	1
		36	37	21.23	20.85	21.08	21.18	21.29		1
		75	0	21.11	21.00	21.08	21.19	21.23	1	

Table H-19
LTE Band 41 Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 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	22.08	21.75	22.03	21.90	22.00	0	0	
	1	25	22.12	22.07	22.19	22.27	22.17		0	
	1	49	22.23	21.75	21.80	21.94	21.97		0	
	QPSK	25	0	22.27	22.09	22.22	22.26	22.12	0-1	0
		25	12	22.20	22.14	22.34	22.36	22.31		0
		25	25	22.22	22.10	22.23	22.31	22.29		0
16QAM		50	0	22.16	22.02	22.29	22.25	22.32	0-1	0
		1	0	22.04	22.06	22.20	21.83	22.40		0
		1	25	22.03	22.25	22.49	22.12	22.71		0
	16QAM	1	49	22.07	22.00	22.29	21.71	22.44	0-2	0
		25	0	22.26	21.94	22.09	22.33	22.21		0
		25	12	22.32	21.96	22.12	22.38	22.22		0
64QAM		25	25	22.32	21.98	22.10	22.42	22.26	0-2	0
		50	0	22.15	22.05	22.24	22.20	22.14		0
		1	0	21.94	21.84	21.96	21.81	21.81		0
	64QAM	1	25	21.96	22.12	22.06	22.22	22.08	0-2	0
		1	49	21.96	21.88	22.07	21.78	21.91		0
		25	0	21.00	20.98	21.10	21.18	21.08		1
64QAM		25	12	21.14	21.01	21.26	21.28	21.30	0-3	1
		25	25	21.10	20.95	21.08	21.22	21.27		1
		50	0	21.18	20.92	21.22	21.20	21.24	1	



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Table H-20
LTE Band 41 Measured P_{Max} for DSI = 0/11 (Body-worn, or Phablet/UMPC with grip sensor inactive), or DSI = 3/4 (Head) - 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	22.12	22.19	22.01	22.20	22.32	0	0
	1	12	22.07	22.16	22.16	22.34	22.31		0
	1	24	22.11	22.10	22.14	22.29	22.33		0
	12	0	22.24	22.10	22.26	22.34	22.33	0-1	0
	12	6	22.29	22.17	22.36	22.35	22.37		0
	12	13	22.22	22.20	22.36	22.39	22.36		0
25	0	22.22	22.10	22.30	22.28	22.37	0	0	
16QAM	1	0	22.23	22.08	22.19	22.42	22.37	0-1	0
	1	12	22.34	22.02	22.21	22.46	22.37		0
	1	24	22.26	22.17	22.27	22.44	22.29		0
	12	0	22.12	21.94	22.17	22.20	22.21	0-2	0
	12	6	22.13	22.01	22.18	22.23	22.26		0
	12	13	22.10	21.94	22.18	22.24	22.15		0
25	0	22.09	22.07	22.15	22.22	22.34	0	0	
64QAM	1	0	21.96	22.06	22.44	21.97	22.29	0-2	0
	1	12	21.96	22.03	22.51	22.04	22.34		0
	1	24	21.96	22.07	22.45	21.99	22.24		0
	12	0	21.15	20.92	21.26	21.28	21.17	0-3	1
	12	6	21.24	21.00	21.27	21.31	21.21		1
	12	13	21.20	20.92	21.26	21.27	21.21		1
25	0	21.16	21.07	21.06	21.24	21.26	1	1	

Table H-21
LTE Band 41 Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (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	18.35	17.88	17.98	18.18	17.98	0	0
	1	36	18.30	18.08	18.16	18.28	18.27		0
	1	74	18.21	17.87	18.07	18.05	18.18		0
	36	0	18.28	18.14	18.14	18.31	18.14	0-1	0
	36	18	18.30	18.21	18.33	18.29	18.28		0
	36	37	18.35	18.02	18.23	18.30	18.40		0
75	0	18.31	18.02	18.31	18.20	18.23	0	0	
16QAM	1	0	18.43	18.37	17.97	18.29	18.45	0-1	0
	1	36	18.45	18.56	18.25	18.39	18.27		0
	1	74	18.42	18.24	18.15	18.06	18.15		0
	36	0	18.19	18.23	18.02	18.29	18.05	0-2	0
	36	18	18.25	18.18	18.29	18.26	18.40		0
	36	37	18.26	18.20	18.26	18.33	18.41		0
75	0	18.29	18.08	18.22	18.24	18.23	0	0	
64QAM	1	0	18.41	17.91	17.54	17.86	17.89	0-2	0
	1	36	18.51	17.91	18.01	17.99	18.21		0
	1	74	18.44	17.87	17.80	17.86	18.10		0
	36	0	18.39	18.14	18.18	18.32	18.33	0-3	0
	36	18	18.40	18.20	18.25	18.25	18.45		0
	36	37	18.36	18.12	18.25	18.29	18.34		0
75	0	18.30	18.10	18.24	18.30	18.31	0	0	



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Table H-22



LTE Band 41 Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (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	18.01	17.73	17.97	17.97	17.92	0	0
	1	25	18.14	18.00	18.17	18.18	18.33		0
	1	49	18.04	17.71	17.97	17.98	17.93		0
	25	0	18.20	18.01	18.23	17.99	18.17	0-1	0
	25	12	18.27	18.15	18.28	18.27	18.31		0
	25	25	18.17	18.06	18.17	18.32	18.16		0
16QAM	50	0	18.09	18.02	18.16	18.17	18.22	0-1	0
	1	0	17.94	18.07	18.31	18.48	18.20		0
	1	25	17.87	18.15	18.62	18.65	18.39		0
	1	49	17.86	18.00	18.50	18.42	18.24	0-2	0
	25	0	18.33	17.96	18.26	18.23	18.19		0
	25	12	18.38	18.12	18.35	18.30	18.29		0
64QAM	25	25	18.31	17.98	18.29	18.33	18.21	0-2	0
	50	0	18.12	18.12	18.01	18.13	18.38		0
	1	0	18.02	17.87	17.83	18.02	17.99		0-3
	1	25	18.07	17.95	18.18	18.47	18.28	0	
	1	49	18.05	17.88	17.88	17.76	18.13	0	
	25	0	18.11	18.01	18.12	18.24	18.16	0	
25	12	18.14	18.14	18.32	18.32	18.25	0		
25	25	18.11	18.00	18.13	18.24	18.20	0		
50	0	18.17	17.96	18.14	18.25	18.27	0		

Table H-23

LTE Band 41 R Measured P_{limit} for DSI = 1/2 (Phablet or UMPC Extremity with grip sensor active), or DSI = 5/6 (Hotspot Mode), and/or DSI = 7/8 (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	18.35	17.95	17.93	18.34	18.12	0	0
	1	12	18.18	17.96	18.05	18.40	18.14		0
	1	24	18.43	17.96	18.05	18.30	18.16		0
	12	0	18.23	18.08	18.23	18.32	18.32	0-1	0
	12	6	18.24	18.14	18.34	18.28	18.25		0
	12	13	18.17	18.09	18.28	18.40	18.26		0
16QAM	25	0	18.23	18.05	18.29	18.30	18.30	0-1	0
	1	0	18.12	18.13	18.17	18.24	18.42		0
	1	12	18.13	18.08	18.32	18.26	18.33		0
	1	24	18.24	18.09	18.31	18.34	18.36	0-2	0
	12	0	18.16	18.08	18.19	18.24	18.24		0
	12	6	18.19	18.07	18.26	18.25	18.29		0
64QAM	12	13	18.17	17.99	18.25	18.26	18.28	0-2	0
	25	0	18.26	18.04	18.23	18.38	18.23		0
	1	0	18.34	17.92	18.45	18.40	18.17		0-3
	1	12	18.32	17.85	18.55	18.55	18.17	0	
	1	24	18.44	17.84	18.49	18.39	18.07	0	
	12	0	18.16	18.10	18.33	18.28	18.34	0	
12	6	18.20	18.15	18.39	18.30	18.39	0		
12	13	18.18	18.16	18.30	18.30	18.37	0		
25	0	18.23	18.05	18.20	18.28	18.32	0		

FCC ID: A3LSMF926JPN	 PCTEST Proud to be part of element	SAR EVALUATION REPORT		Reviewed by: Quality Manager
Test Dates: 06/28/21 - 07/13/21	DUT Type: Portable Handset			APPENDIX H: Page 13 of 13