

APPENDIX H: LTE LOWER BANDWIDTH RF CONDUCTED POWERS

All conducted power measurements for 4G WWAN technologies and bands in this section were performed by setting *Reserve_power_margin* (Qualcomm® Smart Transmit EFS entry) to 0 dB, so that the EUT transmits continuously at minimum (Plimit, maximum tune up output power Pmax).

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 12

Table H-5
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	24.45	24.43	24.60	0	0
	1	12	24.46	24.61	24.67		0
	1	24	24.39	24.52	24.55		0
	12	0	23.33	23.50	23.58	0-1	1
	12	6	23.43	23.61	23.68		1
	12	13	23.43	23.56	23.63		1
16QAM	25	0	23.40	23.51	23.63	0-1	1
	1	0	23.78	23.87	23.89		1
	1	12	23.80	23.91	23.98		1
	1	24	23.75	23.94	23.89	0-2	1
	12	0	22.41	22.55	22.63		2
	12	6	22.53	22.67	22.69		2
64QAM	12	13	22.48	22.62	22.69	0-2	2
	25	0	22.44	22.50	22.66		2
	1	0	22.60	22.68	22.82	0-2	2
	1	12	22.63	22.79	22.92		2
	1	24	22.59	22.75	22.91		2
	64QAM	12	0	21.37	21.51	21.58	0-3
12		6	21.48	21.67	21.68	3	
12		13	21.43	21.64	21.65	3	
25		0	21.45	21.50	21.63	3	

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 1 of 14

Table H-6
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	24.30	24.48	24.60	0	0
	1	7	24.41	24.62	24.73		0
	1	14	24.29	24.49	24.57		0
	8	0	23.30	23.50	23.56	0-1	1
	8	4	23.44	23.61	23.64		1
	8	7	23.37	23.56	23.59		1
16QAM	15	0	23.37	23.54	23.53	0-1	1
	1	0	23.57	23.83	23.81		1
	1	7	23.64	23.83	23.85		1
	1	14	23.48	23.80	23.78	0-2	1
	8	0	22.39	22.50	22.63		2
	8	4	22.48	22.66	22.72		2
	8	7	22.44	22.61	22.71		2
64QAM	15	0	22.43	22.60	22.57	0-2	2
	1	0	22.54	22.77	22.88		2
	1	7	22.74	22.87	22.86		2
	1	14	22.64	22.75	22.92	0-3	2
	8	0	21.29	21.53	21.55		3
	8	4	21.41	21.62	21.70		3
	8	7	21.37	21.60	21.65		3
	15	0	21.39	21.57	21.56		

Table H-7
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	24.51	24.53	24.67	0	0
	1	2	24.55	24.54	24.74		0
	1	5	24.53	24.56	24.74		0
	3	0	24.45	24.55	24.57		0
	3	2	24.52	24.59	24.56		0
	3	3	24.47	24.60	24.56		0
16QAM	6	0	23.47	23.50	23.58	0-1	1
	1	0	23.75	23.70	23.85	0-1	1
	1	2	23.90	23.73	23.91		1
	1	5	23.86	23.70	23.88		1
	3	0	23.64	23.76	23.76		1
	3	2	23.65	23.77	23.79		1
	3	3	23.65	23.77	23.78		1
64QAM	6	0	22.51	22.61	22.65	0-2	2
	1	0	22.92	22.78	22.89	0-2	2
	1	2	22.87	22.91	22.90		2
	1	5	22.81	22.83	22.94		2
	3	0	22.56	22.66	22.74		2
	3	2	22.64	22.63	22.74		2
	3	3	22.57	22.71	22.80		2
	6	0	21.51	21.59	21.66	0-3	3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 2 of 14

H.1.2 LTE Band 13

Table H-8
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	24.21	0	0
	1	12	24.27		0
	1	24	24.16		0
	12	0	23.15	0-1	1
	12	6	23.20		1
	12	13	23.24		1
	25	0	23.13		1
16QAM	1	0	23.58	0-1	1
	1	12	23.62		1
	1	24	23.58		1
	12	0	22.17	0-2	2
	12	6	22.22		2
	12	13	22.28		2
	25	0	22.18		2
64QAM	1	0	22.36	0-2	2
	1	12	22.44		2
	1	24	22.41		2
	12	0	21.14	0-3	3
	12	6	21.17		3
	12	13	21.21		3
	25	0	21.16		3

H.1.3 LTE Band 26

Table H-9
LTE Band 26 (Cell) Measured P_{Max} for all DSI - 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	23.94	23.89	23.67	0	0
	1	25	23.97	23.79	23.77		0
	1	49	23.86	23.74	23.79		0
	25	0	22.76	22.71	22.57	0-1	1
	25	12	22.95	22.76	22.75		1
	25	25	22.85	22.74	22.74		1
	50	0	22.85	22.70	22.71		1
16QAM	1	0	23.20	23.22	22.94	0-1	1
	1	25	23.17	23.07	23.07		1
	1	49	23.12	23.07	23.05		1
	25	0	21.76	21.72	21.58	0-2	2
	25	12	21.97	21.76	21.72		2
	25	25	21.86	21.75	21.72		2
	50	0	21.84	21.67	21.69		2
64QAM	1	0	22.10	22.08	21.87	0-2	2
	1	25	22.11	22.04	22.02		2
	1	49	22.01	21.86	21.99		2
	25	0	20.78	20.67	20.54	0-3	3
	25	12	20.95	20.75	20.69		3
	25	25	20.84	20.68	20.71		3
	50	0	20.84	20.67	20.68		3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 3 of 14

Table H-10
LTE Band 26 (Cell) Measured P_{Max} for all DSI - 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	23.82	23.84	23.82	0	0
	1	12	23.95	23.86	23.85		0
	1	24	23.80	23.71	23.78		0
	12	0	22.83	22.76	22.67	0-1	1
	12	6	22.96	22.76	22.84		1
	12	13	22.88	22.76	22.80		1
	25	0	22.89	22.73	22.79		1
16QAM	1	0	23.10	23.10	23.15	0-1	1
	1	12	23.21	23.19	23.10		1
	1	24	23.03	23.01	23.14		1
	12	0	21.88	21.78	21.72	0-2	2
	12	6	22.00	21.78	21.87		2
	12	13	21.90	21.79	21.81		2
	25	0	21.90	21.71	21.78		2
64QAM	1	0	22.08	22.09	22.02	0-2	2
	1	12	22.11	22.00	21.99		2
	1	24	22.04	21.92	22.00		2
	12	0	20.84	20.77	20.74	0-3	3
	12	6	20.97	20.79	20.86		3
	12	13	20.90	20.76	20.78		3
	25	0	20.91	20.72	20.79		3

Table H-11
LTE Band 26 (Cell) Measured P_{Max} for all DSI - 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	23.88	23.85	23.82	0	0
	1	7	23.97	23.87	23.86		0
	1	14	23.85	23.76	23.77		0
	8	0	22.95	22.81	22.72	0-1	1
	8	4	23.01	22.86	22.74		1
	8	7	22.95	22.84	22.84		1
	15	0	22.94	22.84	22.74		1
16QAM	1	0	23.17	23.12	23.12	0-1	1
	1	7	23.25	23.21	23.10		1
	1	14	23.09	23.06	23.07		1
	8	0	21.99	21.83	21.79	0-2	2
	8	4	22.04	21.92	21.81		2
	8	7	22.01	21.88	21.85		2
	15	0	21.96	21.87	21.76		2
64QAM	1	0	22.13	22.14	22.04	0-2	2
	1	7	22.17	22.04	22.00		2
	1	14	22.00	21.95	21.97		2
	8	0	20.96	20.80	20.78	0-3	3
	8	4	21.03	20.91	20.80		3
	8	7	20.95	20.87	20.86		3
	15	0	20.96	20.86	20.73		3

Table H-12
LTE Band 26 (Cell) Measured P_{Max} for all DSI – 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	24.05	23.98	24.12	0	0
	1	2	24.15	24.11	24.17		0
	1	5	24.06	24.09	24.16		0
	3	0	24.07	24.01	24.13		0
	3	2	24.07	24.11	24.12		0
	3	3	24.08	24.09	24.14		0
	6	0	23.07	23.06	23.14	0-1	1
16QAM	1	0	23.32	23.32	23.44	0-1	1
	1	2	23.44	23.44	23.46		1
	1	5	23.31	23.36	23.44		1
	3	0	23.23	23.19	23.26		1
	3	2	23.21	23.27	23.28		1
	3	3	23.28	23.22	23.27		1
	6	0	22.13	22.14	22.18	0-2	2
64QAM	1	0	22.24	22.22	22.31	0-2	2
	1	2	22.26	22.35	22.37		2
	1	5	22.19	22.32	22.28		2
	3	0	22.24	22.20	22.27		2
	3	2	22.19	22.22	22.25		2
	3	3	22.22	22.24	22.21		2
	6	0	21.11	21.14	21.16	0-3	3

H.1.4 LTE Band 4

Table H-13
LTE Band 4 (AWS) Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	Designed MPR [dB]
			20025 (1717.5 MHz)	20175 (1732.5 MHz)	20325 (1747.5 MHz)	
			Conducted Power [dBm]			
QPSK	1	0	22.75	22.42	22.47	0
	1	36	23.01	22.59	22.80	0
	1	74	22.75	22.58	22.72	0
	36	0	20.34	20.09	20.15	2
	36	18	20.37	20.11	20.26	2
	36	37	20.26	20.12	20.36	2
	75	0	20.23	20.07	20.18	2
16QAM	1	0	21.78	21.63	21.69	1
	1	36	22.02	21.88	22.14	1
	1	74	21.82	21.79	22.09	1
	36	0	20.87	20.61	20.66	2
	36	18	20.92	20.63	20.78	2
	36	37	20.77	20.63	20.87	2
	75	0	20.68	20.60	20.70	2
64QAM	1	0	20.92	20.66	20.74	2
	1	36	21.10	20.78	21.11	2
	1	74	20.90	20.76	21.02	2
	36	0	19.83	19.56	19.64	3
	36	18	19.88	19.61	19.78	3
	36	37	19.77	19.63	19.87	3
	75	0	19.74	19.56	19.72	3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 5 of 14

Table H-14

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) – 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	Designed MPR [dB]
			20000 (1715.0 MHz)	20175 (1732.5 MHz)	20350 (1750.0 MHz)	
			Conducted Power [dBm]			
QPSK	1	0	22.84	22.42	22.72	0
	1	25	23.06	22.76	23.07	0
	1	49	22.74	22.51	22.85	0
	25	0	20.46	20.11	20.30	2
	25	12	20.55	20.23	20.52	2
	25	25	20.38	20.12	20.41	2
	50	0	20.37	20.13	20.39	2
16QAM	1	0	21.85	21.73	21.95	1
	1	25	22.22	22.04	22.17	1
	1	49	22.11	21.74	21.91	1
	25	0	21.03	20.64	20.81	2
	25	12	21.15	20.74	21.02	2
	25	25	20.95	20.66	20.90	2
	50	0	20.84	20.63	20.87	2
64QAM	1	0	20.99	20.70	20.81	2
	1	25	21.32	21.01	21.28	2
	1	49	20.93	20.79	20.96	2
	25	0	19.98	19.60	19.80	3
	25	12	20.10	19.76	20.02	3
	25	25	19.94	19.63	19.90	3
	50	0	19.88	19.62	19.86	3

Table H-15

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	Designed MPR [dB]
			19975 (1712.5 MHz)	20175 (1732.5 MHz)	20375 (1752.5 MHz)	
			Conducted Power [dBm]			
QPSK	1	0	22.95	22.69	22.91	0
	1	12	23.01	22.88	23.08	0
	1	24	22.92	22.70	22.99	0
	12	0	20.59	20.25	20.45	2
	12	6	20.61	20.28	20.50	2
	12	13	20.48	20.20	20.49	2
	25	0	20.53	20.22	20.52	2
16QAM	1	0	22.26	21.93	22.25	1
	1	12	22.44	22.04	22.43	1
	1	24	22.23	21.91	22.30	1
	12	0	21.12	20.74	21.00	2
	12	6	21.18	20.77	21.02	2
	12	13	21.02	20.71	21.05	2
	25	0	20.96	20.72	21.01	2
64QAM	1	0	21.24	20.89	21.20	2
	1	12	21.33	21.02	21.31	2
	1	24	21.13	20.92	21.16	2
	12	0	20.11	19.72	19.94	3
	12	6	20.17	19.76	19.98	3
	12	13	20.01	19.72	19.98	3
	25	0	20.09	19.71	20.04	3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 6 of 14

Table H-16

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	Designed MPR [dB]
			19965 (1711.5 MHz)	20175 (1732.5 MHz)	20385 (1753.5 MHz)	
			Conducted Power [dBm]			
QPSK	1	0	23.06	22.75	22.93	0
	1	7	23.15	22.84	23.10	0
	1	14	23.08	22.72	22.94	0
	8	0	20.64	20.24	20.50	2
	8	4	20.59	20.26	20.54	2
	8	7	20.52	20.19	20.56	2
	15	0	20.52	20.22	20.48	2
16QAM	1	0	22.21	22.06	22.17	1
	1	7	22.38	22.12	22.29	1
	1	14	22.27	22.06	22.13	1
	8	0	21.26	20.80	21.03	2
	8	4	21.21	20.81	21.07	2
	8	7	21.14	20.76	21.10	2
	15	0	21.01	20.75	21.00	2
64QAM	1	0	21.34	20.93	21.31	2
	1	7	21.40	21.06	21.40	2
	1	14	21.33	20.94	21.22	2
	8	0	20.13	19.79	20.02	3
	8	4	20.11	19.79	20.07	3
	8	7	20.07	19.75	20.07	3
	15	0	20.04	19.72	19.98	3

Table H-17

LTE Band 4 (AWS) Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	Designed MPR [dB]
			19957 (1710.7 MHz)	20175 (1732.5 MHz)	20393 (1754.3 MHz)	
			Conducted Power [dBm]			
QPSK	1	0	23.15	22.87	23.05	0
	1	2	23.15	22.84	23.07	0
	1	5	23.14	22.78	23.06	0
	3	0	23.05	22.79	23.10	0
	3	2	23.10	22.77	23.09	0
	3	3	23.04	22.79	23.08	0
	6	0	20.51	20.20	20.55	2
16QAM	1	0	22.30	22.04	22.24	1
	1	2	22.39	22.13	22.28	1
	1	5	22.32	22.06	22.19	1
	3	0	22.28	21.90	22.28	1
	3	2	22.30	21.87	22.22	1
	3	3	22.26	21.86	22.20	1
	6	0	21.04	20.74	21.01	2
64QAM	1	0	21.39	20.93	21.28	2
	1	2	21.41	20.98	21.38	2
	1	5	21.32	20.92	21.26	2
	3	0	21.25	20.85	21.19	2
	3	2	21.26	20.87	21.15	2
	3	3	21.22	20.84	21.14	2
	6	0	20.06	19.70	20.12	3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 7 of 14

Table H-18

LTE Band 4 (AWS) Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active), DSI = 3 (Hotspot Mode), and/or DSI = 4 (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	19.18	18.86	18.87	0	0
	1	36	19.33	19.05	19.22		0
	1	74	19.12	18.95	19.14		0
	36	0	19.22	19.00	19.09	0-1	0
	36	18	19.31	19.05	19.23		0
	36	37	19.16	19.06	19.31		0
	75	0	19.14	19.02	19.12		0
16QAM	1	0	19.27	19.04	19.20	0-1	0
	1	36	19.48	19.23	19.50		0
	1	74	19.30	19.22	19.45		0
	36	0	19.25	19.03	19.10	0-2	0
	36	18	19.33	19.08	19.24		0
	36	37	19.21	19.08	19.33		0
	75	0	19.18	19.02	19.17		0
64QAM	1	0	19.37	19.14	19.17	0-2	0
	1	36	19.31	19.28	19.50		0
	1	74	19.29	19.23	19.45		0
	36	0	19.27	19.03	19.12	0-3	0
	36	18	19.32	19.07	19.23		0
	36	37	19.20	19.10	19.32		0
	75	0	19.22	19.02	19.19		0

Table H-19

LTE Band 4 (AWS) Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active), DSI = 3 (Hotspot Mode), and/or DSI = 4 (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	19.25	18.94	19.17	0	0
	1	25	19.46	19.22	19.44		0
	1	49	19.10	19.04	19.17		0
	25	0	19.37	19.04	19.25	0-1	0
	25	12	19.47	19.19	19.45		0
	25	25	19.29	19.08	19.35		0
	50	0	19.28	19.05	19.32		0
16QAM	1	0	19.33	19.22	19.23	0-1	0
	1	25	19.35	19.50	19.35		0
	1	49	19.37	19.37	19.36		0
	25	0	19.41	19.05	19.23	0-2	0
	25	12	19.50	19.19	19.42		0
	25	25	19.34	19.11	19.36		0
	50	0	19.31	19.08	19.35		0
64QAM	1	0	19.34	19.11	19.23	0-2	0
	1	25	19.35	19.41	19.49		0
	1	49	19.32	19.16	19.40		0
	25	0	19.37	19.11	19.25	0-3	0
	25	12	19.50	19.20	19.49		0
	25	25	19.32	19.09	19.38		0
	50	0	19.30	19.08	19.34		0

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 8 of 14

Table H-20
LTE Band 4 (AWS) Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active), DSI = 3 (Hotspot Mode), and/or DSI = 4 (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	19.22	19.02	19.25	0	0
	1	12	19.35	19.18	19.41		0
	1	24	19.16	18.99	19.29		0
	12	0	19.38	19.04	19.30	0-1	0
	12	6	19.45	19.08	19.35		0
	12	13	19.27	19.01	19.38		0
	25	0	19.37	19.02	19.38		0
16QAM	1	0	19.41	19.31	19.41	0-1	0
	1	12	19.41	19.42	19.41		0
	1	24	19.43	19.26	19.42		0
	12	0	19.40	19.07	19.36	0-2	0
	12	6	19.43	19.12	19.44		0
	12	13	19.31	19.03	19.41		0
	25	0	19.40	19.07	19.42		0
64QAM	1	0	19.43	19.20	19.43	0-2	0
	1	12	19.41	19.33	19.42		0
	1	24	19.43	19.23	19.43		0
	12	0	19.40	19.10	19.35	0-3	0
	12	6	19.40	19.15	19.38		0
	12	13	19.29	19.08	19.40		0
	25	0	19.37	19.07	19.36		0

Table H-21
LTE Band 4 (AWS) Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active), DSI = 3 (Hotspot Mode), and/or DSI = 4 (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	19.36	19.08	19.27	0	0
	1	7	19.41	19.10	19.40		0
	1	14	19.30	19.01	19.25		0
	8	0	19.41	19.03	19.35	0-1	0
	8	4	19.39	19.08	19.36		0
	8	7	19.31	18.99	19.41		0
	15	0	19.33	19.04	19.31		0
16QAM	1	0	19.41	19.34	19.41	0-1	0
	1	7	19.42	19.43	19.41		0
	1	14	19.43	19.34	19.42		0
	8	0	19.50	19.14	19.37	0-2	0
	8	4	19.49	19.16	19.40		0
	8	7	19.44	19.12	19.45		0
	15	0	19.34	19.06	19.36		0
64QAM	1	0	19.43	19.22	19.42	0-2	0
	1	7	19.41	19.31	19.43		0
	1	14	19.43	19.17	19.41		0
	8	0	19.42	19.09	19.37	0-3	0
	8	4	19.36	19.14	19.39		0
	8	7	19.32	19.08	19.41		0
	15	0	19.37	19.08	19.35		0

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 9 of 14

Table H-22

LTE Band 4 (AWS) Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active), DSI = 3 (Hotspot Mode), and/or DSI = 4 (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	19.43	19.17	19.26	0	0
	1	2	19.42	19.10	19.43		0
	1	5	19.41	19.06	19.38		0
	3	0	19.36	19.09	19.43		0
	3	2	19.37	19.06	19.41		0
	3	3	19.36	19.07	19.38		0
	6	0	19.29	18.99	19.35	0-1	0
16QAM	1	0	19.42	19.42	19.42	0-1	0
	1	2	19.41	19.41	19.43		0
	1	5	19.43	19.41	19.42		0
	3	0	19.44	19.11	19.50		0
	3	2	19.46	19.13	19.48		0
	3	3	19.42	19.10	19.46		0
	6	0	19.40	19.13	19.45	0-2	0
64QAM	1	0	19.41	19.20	19.43	0-2	0
	1	2	19.40	19.26	19.42		0
	1	5	19.42	19.21	19.40		0
	3	0	19.48	19.19	19.47		0
	3	2	19.49	19.17	19.48		0
	3	3	19.47	19.18	19.49		0
	6	0	19.34	19.04	19.48	0-3	0

H.1.5 LTE Band 41

Table H-23

LTE Band 41 Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (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	24.81	24.48	24.53	24.74	24.48	0	0
	1	36	24.88	24.80	24.83	24.99	24.78		0
	1	74	24.93	24.50	24.72	24.73	24.77		0
	36	0	23.83	23.83	23.73	23.86	23.71	0-1	1
	36	18	23.93	23.89	23.92	23.93	23.85		1
	36	37	23.96	23.76	23.93	23.94	23.95		1
	75	0	23.91	23.82	23.86	23.87	23.78		1
16QAM	1	0	23.82	23.58	23.55	23.76	23.51	0-1	1
	1	36	23.78	23.81	23.76	23.96	23.89		1
	1	74	23.80	23.58	23.83	23.61	23.79		1
	36	0	22.84	22.80	22.75	22.88	22.70	0-2	2
	36	18	22.94	22.89	22.94	22.95	22.87		2
	36	37	22.94	22.79	22.94	22.92	22.94		2
	75	0	22.89	22.85	22.87	22.87	22.80		2
64QAM	1	0	22.74	22.53	22.52	22.85	22.40	0-2	2
	1	36	22.96	22.91	22.82	22.95	22.89		2
	1	74	22.93	22.55	22.71	22.76	22.80		2
	36	0	21.80	21.80	21.72	21.90	21.72	0-3	3
	36	18	21.93	21.90	21.96	21.89	21.84		3
	36	37	21.93	21.76	21.95	21.96	21.95		3
	75	0	21.85	21.85	21.89	21.88	21.81		3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 10 of 14

Table H-24
LTE Band 41 Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (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	24.90	24.67	24.64	24.68	24.66	0	0
	1	25	24.94	24.96	24.97	25.00	24.99		0
	1	49	24.91	24.69	24.75	24.73	24.70		0
	25	0	23.90	23.95	23.97	23.89	23.85	0-1	1
	25	12	23.98	24.00	24.00	24.00	23.93		1
	25	25	23.93	23.88	23.96	24.00	23.93		1
16QAM	50	0	23.93	23.97	23.97	23.89	23.96	1	
	1	0	23.84	23.85	23.61	23.60	23.68	0-1	1
	1	25	23.91	24.00	23.96	23.96	24.00		1
	1	49	23.90	23.69	23.75	23.80	23.77		1
	25	0	22.91	22.98	22.98	22.95	22.81	0-2	2
	25	12	23.00	23.00	23.00	23.00	22.96		2
25	25	22.98	22.90	22.94	23.00	22.94	2		
64QAM	50	0	22.93	22.97	22.99	22.90	22.92	2	
	1	0	22.94	22.75	22.60	22.77	22.58	0-2	2
	1	25	22.95	22.98	22.97	22.98	22.99		2
	1	49	22.94	22.68	22.73	22.86	22.69		2
	25	0	21.88	21.95	21.97	21.90	21.80	0-3	3
	25	12	21.96	22.00	21.99	22.00	21.95		3
25	25	21.93	21.91	21.93	22.00	21.95	3		
50	0	21.91	21.93	21.96	21.93	21.92	3		

Table H-25
LTE Band 41 Measured P_{Max} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (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	24.82	24.90	24.92	24.96	24.74	0	0
	1	12	24.96	24.94	24.96	25.00	24.88		0
	1	24	24.92	24.86	24.97	25.00	24.76		0
	12	0	23.80	23.96	23.97	23.97	23.83	0-1	1
	12	6	23.96	24.00	24.00	24.00	23.98		1
	12	13	23.91	23.98	24.00	24.00	23.94		1
16QAM	25	0	23.91	24.00	24.00	23.99	23.95	0-1	1
	1	0	23.91	23.92	23.93	24.00	23.96		1
	1	12	23.98	23.99	23.98	24.00	24.00		1
	1	24	23.91	23.83	23.98	23.99	23.85	0-2	1
	12	0	22.80	22.96	22.97	22.96	22.84		2
	12	6	22.95	23.00	23.00	23.00	22.97		2
64QAM	12	13	22.95	22.98	22.97	23.00	22.96	0-2	2
	25	0	22.93	23.00	23.00	23.00	22.98		2
	1	0	22.96	22.94	22.94	22.91	22.97	0-2	2
	1	12	22.97	22.88	23.00	22.99	23.00		2
	1	24	22.93	22.74	22.85	22.95	22.98	0-3	2
	12	0	21.84	21.94	21.99	21.99	21.87		3
12	6	22.00	22.00	22.00	21.99	21.98	3		
64QAM	12	13	21.93	22.00	22.00	22.00	21.94	0-3	3
	25	0	21.91	22.00	21.99	21.97	21.93		3

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 11 of 14

Table H-26
LTE Band 41 Measured P_{Limit} for DSI = 3 (Hotspot Mode) - 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	19.46	19.35	19.23	19.40	19.26	0	0
	1	36	19.52	19.58	19.51	19.59	19.65		0
	1	74	19.61	19.30	19.37	19.33	19.59		0
	36	0	19.44	19.44	19.32	19.43	19.40	0-1	0
	36	18	19.50	19.53	19.53	19.50	19.51		0
	36	37	19.57	19.39	19.53	19.52	19.59		0
	75	0	19.50	19.43	19.46	19.45	19.45		0
16QAM	1	0	19.41	19.28	19.15	19.42	19.29	0-1	0
	1	36	19.51	19.49	19.48	19.59	19.50		0
	1	74	19.49	19.10	19.27	19.22	19.63		0
	36	0	19.44	19.44	19.35	19.46	19.43	0-2	0
	36	18	19.58	19.54	19.51	19.51	19.55		0
	36	37	19.56	19.42	19.55	19.52	19.62		0
	75	0	19.53	19.44	19.48	19.46	19.48		0
64QAM	1	0	19.49	19.20	19.18	19.39	19.18	0-2	0
	1	36	19.58	19.55	19.53	19.61	19.61		0
	1	74	19.64	19.26	19.36	19.39	19.54		0
	36	0	19.49	19.45	19.36	19.46	19.41	0-3	0
	36	18	19.56	19.55	19.57	19.50	19.54		0
	36	37	19.57	19.39	19.52	19.54	19.59		0
	75	0	19.54	19.48	19.46	19.48	19.47		0

Table H-27
LTE Band 41 Measured P_{Limit} for DSI = 3 (Hotspot Mode) - 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	19.62	19.41	19.30	19.26	19.30	0	0
	1	25	19.69	19.72	19.70	19.58	19.64		0
	1	49	19.67	19.33	19.36	19.28	19.31		0
	25	0	19.59	19.62	19.56	19.48	19.46	0-1	0
	25	12	19.69	19.71	19.67	19.55	19.56		0
	25	25	19.71	19.55	19.58	19.55	19.52		0
	50	0	19.61	19.62	19.60	19.48	19.54		0
16QAM	1	0	19.59	19.40	19.22	19.25	19.32	0-1	0
	1	25	19.72	19.79	19.54	19.64	19.65		0
	1	49	19.62	19.41	19.22	19.43	19.42		0
	25	0	19.62	19.64	19.62	19.46	19.48	0-2	0
	25	12	19.75	19.74	19.69	19.57	19.56		0
	25	25	19.74	19.55	19.61	19.58	19.55		0
	50	0	19.65	19.61	19.58	19.52	19.54		0
64QAM	1	0	19.72	19.44	19.30	19.40	19.35	0-2	0
	1	25	19.77	19.73	19.64	19.66	19.56		0
	1	49	19.67	19.36	19.24	19.43	19.33		0
	25	0	19.63	19.64	19.56	19.48	19.47	0-3	0
	25	12	19.72	19.75	19.71	19.57	19.57		0
	25	25	19.73	19.56	19.60	19.55	19.53		0
	50	0	19.62	19.66	19.60	19.47	19.51		0

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 12 of 14

Table H-28
LTE Band 41 Measured P_{Limit} for DSI = 3 (Hotspot Mode) - 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	19.56	19.65	19.60	19.54	19.55	0	0
	1	12	19.67	19.71	19.68	19.63	19.67		0
	1	24	19.64	19.50	19.60	19.54	19.65		0
	12	0	19.59	19.71	19.61	19.50	19.54	0-1	0
	12	6	19.73	19.74	19.66	19.58	19.62		0
	12	13	19.69	19.68	19.66	19.60	19.60		0
	25	0	19.66	19.70	19.62	19.54	19.59		0
16QAM	1	0	19.67	19.59	19.58	19.51	19.60	0-1	0
	1	12	19.87	19.74	19.68	19.71	19.60		0
	1	24	19.66	19.59	19.60	19.51	19.56		0
	12	0	19.61	19.70	19.65	19.51	19.52	0-2	0
	12	6	19.71	19.73	19.67	19.56	19.64		0
	12	13	19.71	19.67	19.65	19.61	19.63		0
	25	0	19.67	19.71	19.69	19.54	19.64		0
64QAM	1	0	19.68	19.63	19.49	19.52	19.56	0-2	0
	1	12	19.75	19.79	19.62	19.56	19.60		0
	1	24	19.64	19.62	19.46	19.55	19.53		0
	12	0	19.60	19.69	19.62	19.54	19.52	0-3	0
	12	6	19.72	19.69	19.70	19.60	19.68		0
	12	13	19.70	19.68	19.61	19.62	19.59		0
	25	0	19.69	19.71	19.66	19.54	19.62		0

Table H-29
LTE Band 41 Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (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	22.27	22.19	22.32	22.44	22.25	0	0
	1	36	22.39	22.46	22.63	22.60	22.52		0
	1	74	22.36	22.25	22.47	22.30	22.45		0
	36	0	22.16	22.36	22.44	22.55	22.38	0-1	0
	36	18	22.29	22.44	22.55	22.68	22.51		0
	36	37	22.29	22.40	22.62	22.60	22.61		0
16QAM	75	0	22.23	22.35	22.48	22.60	22.41	0-1	0
	1	0	22.26	22.32	22.35	22.46	22.10		0
	1	36	22.38	22.47	22.66	22.63	22.47		0
	1	74	22.34	22.34	22.47	22.29	22.46	0-2	0
	36	0	22.21	22.36	22.38	22.50	22.33		0
	36	18	22.31	22.45	22.48	22.60	22.40		0
64QAM	36	37	22.30	22.42	22.54	22.52	22.48	0-2	0
	75	0	22.26	22.39	22.40	22.52	22.33		0
	1	0	22.25	22.12	22.36	22.32	22.16		0-2
	1	36	22.30	22.39	22.54	22.55	22.52	0	
	1	74	22.35	22.21	22.44	22.28	22.43	0	
	36	0	21.20	21.36	21.38	21.45	21.31	0-3	1
36	18	21.32	21.44	21.49	21.60	21.41	1		
36	37	21.29	21.38	21.54	21.51	21.51	1		
	75	0	21.23	21.38	21.45	21.52	21.35		1

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 13 of 14

Table H-30

LTE Band 41 Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (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	22.35	22.41	22.40	22.45	22.38	0	0
	1	25	22.40	22.78	22.79	22.73	22.70		0
	1	49	22.37	22.50	22.44	22.43	22.38		0
	25	0	22.26	22.50	22.60	22.64	22.56	0-1	0
	25	12	22.39	22.66	22.69	22.80	22.64		0
	25	25	22.37	22.53	22.66	22.69	22.61		0
50	0	22.30	22.50	22.58	22.59	22.54	0		
16QAM	1	0	22.32	22.47	22.44	22.42	22.31	0-1	0
	1	25	22.45	22.81	22.68	22.73	22.70		0
	1	49	22.38	22.46	22.39	22.44	22.38		0
	25	0	22.27	22.53	22.52	22.57	22.44	0-2	0
	25	12	22.41	22.62	22.60	22.72	22.50		0
	25	25	22.39	22.54	22.58	22.61	22.49		0
50	0	22.29	22.53	22.50	22.52	22.41	0		
64QAM	1	0	22.24	22.17	22.29	22.37	22.21	0-2	0
	1	25	22.35	22.56	22.68	22.73	22.56		0
	1	49	22.37	22.32	22.33	22.45	22.27		0
	25	0	21.30	21.51	21.49	21.54	21.42	0-3	1
	25	12	21.40	21.64	21.58	21.67	21.49		1
	25	25	21.38	21.56	21.58	21.59	21.44		1
50	0	21.29	21.52	21.51	21.63	21.40	1		

Table H-31

LTE Band 41 Measured P_{Limit} for DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (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	22.36	22.72	22.62	22.67	22.67	0	0
	1	12	22.37	22.76	22.76	22.74	22.58		0
	1	24	22.35	22.68	22.60	22.65	22.55		0
	12	0	22.32	22.61	22.65	22.68	22.62	0-1	0
	12	6	22.34	22.63	22.69	22.82	22.65		0
	12	13	22.31	22.62	22.72	22.75	22.66		0
	25	0	22.32	22.52	22.54	22.56	22.52		0
16QAM	1	0	22.32	22.64	22.46	22.66	22.35	0-1	0
	1	12	22.49	22.70	22.87	22.81	22.74		0
	1	24	22.40	22.70	22.60	22.71	22.60		0
	12	0	22.34	22.63	22.55	22.60	22.49	0-2	0
	12	6	22.35	22.64	22.60	22.72	22.55		0
	12	13	22.31	22.62	22.65	22.68	22.53		0
	25	0	22.31	22.57	22.56	22.45	22.48		0
64QAM	1	0	22.18	22.55	22.38	22.55	22.21	0-2	0
	1	12	22.26	22.70	22.66	22.70	22.62		0
	1	24	22.26	22.62	22.48	22.63	22.53		0
	12	0	21.29	21.63	21.58	21.59	21.46	0-3	1
	12	6	21.34	21.64	21.60	21.70	21.50		1
	12	13	21.35	21.63	21.61	21.68	21.51		1
	25	0	21.35	21.58	21.58	21.65	21.46		1

FCC ID: A3LSMF721JPN	SAR EVALUATION REPORT	Approved by:
DUT Type: Portable Handset		Technical Manager
APPENDIX H: Page 14 of 14		