

APPENDIX H: SAR REPORT LTE MPR DEVIATION SUPPLEMENTAL INFORMATION PER FCC

H.1 LTE Conducted Powers

H.1.1 LTE Band 12

Table H-1
LTE Band 12 Conducted Powers - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Mid [dB]
			23095 (707.5 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	22.76	0	0	-0.24
	1	25	22.71		0	-0.29
	1	49	22.67		0	-0.33
	25	0	21.72	0-1	1	-0.28
	25	12	21.66		1	-0.34
	25	25	21.64		1	-0.36
	50	0	21.64		1	-0.36
16QAM	1	0	21.70	0-1	1	-0.30
	1	25	21.66		1	-0.34
	1	49	21.65		1	-0.35
	25	0	20.73	0-2	2	-0.27
	25	12	20.63		2	-0.37
	25	25	20.60		2	-0.40
	50	0	20.61		2	-0.39

Note: LTE Band 12 at 10 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.

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 1 of 16

Table H-2
LTE Band 12 Conducted Powers - 5 MHz Bandwidth

LTE Band 12 5 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			23035 (701.5 MHz)	23095 (707.5 MHz)	23155 (713.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	23.21	22.86	23.16	0	0	0.21	-0.14	0.16
	1	12	23.15	22.93	23.16		0	0.15	-0.07	0.16
	1	24	23.21	22.83	23.15		0	0.21	-0.17	0.15
	12	0	22.07	21.89	22.06	0-1	1	0.07	-0.11	0.06
	12	6	22.09	21.89	22.06		1	0.09	-0.11	0.06
	12	13	22.13	21.90	22.03		1	0.13	-0.10	0.03
16QAM	25	0	22.11	21.88	22.06	0-1	1	0.11	-0.12	0.06
	1	0	22.10	21.89	21.98		1	0.10	-0.11	-0.02
	1	12	21.98	21.92	22.14		1	-0.02	-0.08	0.14
	1	24	21.96	21.92	22.16	0-2	1	-0.04	-0.08	0.16
	12	0	21.18	20.93	21.09		2	0.18	-0.07	0.09
	12	6	21.10	20.88	21.08		2	0.10	-0.12	0.08
	12	13	21.21	20.93	21.07		2	0.21	-0.07	0.07
	25	0	21.18	20.87	21.08		2	0.18	-0.13	0.08

Table H-3
LTE Band 12 Conducted Powers - 3 MHz Bandwidth

LTE Band 12 3 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			23025 (700.5 MHz)	23095 (707.5 MHz)	23165 (714.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	23.20	22.93	23.02	0	0	0.20	-0.07	0.02
	1	7	23.19	22.87	22.96		0	0.19	-0.13	-0.04
	1	14	23.16	22.88	23.02		0	0.16	-0.12	0.02
	8	0	22.15	21.87	21.96	0-1	1	0.15	-0.13	-0.04
	8	4	22.16	21.89	21.98		1	0.16	-0.11	-0.02
	8	7	22.12	21.89	21.95		1	0.12	-0.11	-0.05
	15	0	22.13	21.89	21.94		1	0.13	-0.11	-0.06
16QAM	1	0	22.11	22.09	22.01	0-1	1	0.11	0.09	0.01
	1	7	22.04	21.86	22.06		1	0.04	-0.14	0.06
	1	14	22.05	21.77	21.99		1	0.05	-0.23	-0.01
	8	0	21.27	20.87	20.99	0-2	2	0.27	-0.13	-0.01
	8	4	21.15	20.86	20.95		2	0.15	-0.14	-0.05
	8	7	21.14	20.85	20.99		2	0.14	-0.15	-0.01
	15	0	21.19	20.88	21.02		2	0.19	-0.12	0.02

Table H-4
LTE Band 12 Conducted Powers -1.4 MHz Bandwidth

LTE Band 12 1.4 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			23017 (699.7 MHz)	23095 (707.5 MHz)	23173 (715.3 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	23.16	22.98	22.98	0	0	0.16	-0.02	-0.02
	1	2	23.17	22.93	22.94		0	0.17	-0.07	-0.06
	1	5	23.18	23.00	23.03		0	0.18	0.00	0.03
	3	0	23.13	22.92	22.96		0	0.13	-0.08	-0.04
	3	2	23.13	22.89	22.96		0	0.13	-0.11	-0.04
	3	3	23.13	22.89	22.94		0	0.13	-0.11	-0.06
	6	0	22.08	21.90	21.93	0-1	1	0.08	-0.10	-0.07
16QAM	1	0	22.40	21.84	22.04	0-1	1	0.40	-0.16	0.04
	1	2	22.05	22.15	22.08		1	0.05	0.15	0.08
	1	5	22.05	21.97	22.09		1	0.05	-0.03	0.09
	3	0	22.08	21.79	21.90		1	0.08	-0.21	-0.10
	3	2	22.01	21.93	21.77		1	0.01	-0.07	-0.23
	3	3	22.11	21.78	21.94		1	0.11	-0.22	-0.06
	6	0	21.24	20.89	21.04	0-2	2	0.24	-0.11	0.04

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 2 of 16

H.1.2 LTE Band 13

Table H-5
LTE Band 13 Conducted Powers - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Mid [dB]
			23230 (782.0 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	22.82	0	0	-0.68
	1	25	22.71		0	-0.79
	1	49	22.81		0	-0.69
	25	0	21.88	0-1	1	-0.62
	25	12	21.79		1	-0.71
	25	25	21.76		1	-0.74
	50	0	21.80		1	-0.70
16QAM	1	0	21.84	0-1	1	-0.66
	1	25	21.80		1	-0.70
	1	49	21.75		1	-0.75
	25	0	20.83	0-2	2	-0.67
	25	12	20.81		2	-0.69
	25	25	20.72		2	-0.78
	50	0	20.63		2	-0.87

Table H-6
LTE Band 13 Conducted Powers - 5 MHz Bandwidth

LTE Band 13 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Mid [dB]
			23230 (782.0 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	22.69	0	0	-0.81
	1	12	22.63		0	-0.87
	1	24	22.65		0	-0.85
	12	0	21.81	0-1	1	-0.69
	12	6	21.73		1	-0.77
	12	13	21.71		1	-0.79
	25	0	21.73		1	-0.77
16QAM	1	0	21.74	0-1	1	-0.76
	1	12	21.63		1	-0.87
	1	24	21.69		1	-0.81
	12	0	20.66	0-2	2	-0.84
	12	6	20.58		2	-0.92
	12	13	20.59		2	-0.91
	25	0	20.66		2	-0.84

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.

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 3 of 16

H.1.3 LTE Band 26 (Cell)

Table H-7
LTE Band 26 (Cell) Conducted Powers - 15 MHz Bandwidth

LTE Band 26 (Cell) 15 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation [dB]
			26865 (831.5 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	22.74	0	0	-0.26
	1	36	22.64		0	-0.36
	1	74	22.50		0	-0.50
	36	0	21.62	0-1	1	-0.38
	36	18	21.61		1	-0.39
	36	37	21.55		1	-0.45
	75	0	21.54		1	-0.46
16QAM	1	0	21.43	0-1	1	-0.57
	1	36	21.38		1	-0.62
	1	74	21.35		1	-0.65
	36	0	20.86	0-2	2	-0.14
	36	18	20.49		2	-0.51
	36	37	20.42		2	-0.58
	75	0	20.41		2	-0.59

Note: LTE Band 26 (Cell) at 15 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.

Table H-8
LTE Band 26 (Cell) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)					
QPSK	1	0	22.79	22.95	23.04	0	0	-0.21	-0.05	0.04
	1	25	22.88	22.89	23.01		0	-0.12	-0.11	0.01
	1	49	22.76	22.82	22.95		0	-0.24	-0.18	-0.05
	25	0	21.80	21.88	22.08	0-1	1	-0.20	-0.12	0.08
	25	12	21.80	21.88	22.07		1	-0.20	-0.12	0.07
	25	25	21.78	21.81	22.11		1	-0.22	-0.19	0.11
	50	0	21.78	21.87	22.08		1	-0.22	-0.13	0.08
16QAM	1	0	21.90	21.73	22.15	0-1	1	-0.10	-0.27	0.15
	1	25	21.91	21.73	22.05		1	-0.09	-0.27	0.05
	1	49	21.81	21.66	21.96		1	-0.19	-0.34	-0.04
	25	0	20.72	20.78	20.94	0-2	2	-0.28	-0.22	-0.06
	25	12	20.69	20.74	20.95		2	-0.31	-0.26	-0.05
	25	25	20.69	20.74	20.93		2	-0.31	-0.26	-0.07
	50	0	20.62	20.68	20.98		2	-0.38	-0.32	-0.02

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset	APPENDIX H Page 4 of 16		

Table H-9
LTE Band 26 (Cell) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.77	23.02	22.92	0	0	-0.23	0.02	-0.08
	1	12	22.93	22.95	22.90		0	-0.07	-0.05	-0.10
	1	24	22.78	22.97	22.87		0	-0.22	-0.03	-0.13
	12	0	21.63	21.87	21.98	0-1	1	-0.37	-0.13	-0.02
	12	6	21.67	21.88	21.96		1	-0.33	-0.12	-0.04
	12	13	21.63	21.87	21.95		1	-0.37	-0.13	-0.05
16QAM	25	0	21.65	21.89	21.99	0-1	1	-0.35	-0.11	-0.01
	1	0	21.56	21.92	22.13		1	-0.44	-0.08	0.13
	1	12	21.47	21.79	21.93		1	-0.53	-0.21	-0.07
	1	24	21.76	21.73	22.02	0-2	1	-0.24	-0.27	0.02
	12	0	20.51	20.80	20.88		2	-0.49	-0.20	-0.12
	12	6	20.41	20.79	20.84		2	-0.59	-0.21	-0.16
	12	13	20.46	20.73	20.81		2	-0.54	-0.27	-0.19
	25	0	20.49	20.72	20.88		2	-0.51	-0.28	-0.12

Table H-10
LTE Band 26 (Cell) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.79	22.92	22.91	0	0	-0.21	-0.08	-0.09
	1	7	22.80	22.89	22.88		0	-0.20	-0.11	-0.12
	1	14	22.88	22.90	22.84		0	-0.12	-0.10	-0.16
	8	0	21.77	21.91	21.94	0-1	1	-0.23	-0.09	-0.06
	8	4	21.74	21.88	21.93		1	-0.26	-0.12	-0.07
	8	7	21.79	21.87	21.93		1	-0.21	-0.13	-0.07
16QAM	15	0	21.72	21.84	21.92	0-1	1	-0.28	-0.16	-0.08
	1	0	21.90	21.99	21.86		1	-0.10	-0.01	-0.14
	1	7	21.86	21.96	21.98		1	-0.14	-0.04	-0.02
	1	14	21.67	21.87	21.86	0-2	1	-0.33	-0.13	-0.14
	8	0	20.74	20.64	20.80		2	-0.26	-0.36	-0.20
	8	4	20.70	20.74	20.86		2	-0.30	-0.26	-0.14
	8	7	20.64	20.69	20.80		2	-0.36	-0.31	-0.20
	15	0	20.53	20.65	20.84		2	-0.47	-0.35	-0.16

Table H-11
LTE Band 26 (Cell) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.94	22.94	22.89	0	0	-0.06	-0.06	-0.11
	1	2	22.88	22.97	22.88		0	-0.12	-0.03	-0.12
	1	5	22.94	22.96	22.93		0	-0.06	-0.04	-0.07
	3	0	22.88	22.88	22.89		0	-0.12	-0.12	-0.11
	3	2	22.91	22.87	22.88		0	-0.09	-0.13	-0.12
	3	3	22.87	22.85	22.87		0	-0.13	-0.15	-0.13
16QAM	6	0	21.84	21.83	21.95	0-1	1	-0.16	-0.17	-0.05
	1	0	21.87	21.96	22.14	0-1	1	-0.13	-0.04	0.14
	1	2	21.91	22.14	22.02		1	-0.09	0.14	0.02
	1	5	21.98	21.89	22.01		1	-0.02	-0.11	0.01
	3	0	21.85	21.75	22.02		1	-0.15	-0.25	0.02
	3	2	21.80	21.80	22.03		1	-0.20	-0.20	0.03
	3	3	21.82	21.82	22.05		1	-0.18	-0.18	0.05
	6	0	20.77	20.71	20.83	0-2	2	-0.23	-0.29	-0.17

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 5 of 16

H.1.4 LTE Band 5 (Cell) – Antenna A

Table H-12
LTE Band 5 (Cell) Conducted Powers - 10 MHz Bandwidth

LTE Band 5 (Cell) 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Mid [dB]
			20525 (836.5 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	23.09	0	0	-0.91
	1	25	23.02		0	-0.98
	1	49	23.00		0	-1.00
	25	0	22.14	0-1	1	-0.86
	25	12	22.03		1	-0.97
	25	25	22.05		1	-0.95
	50	0	22.11		1	-0.89
16QAM	1	0	22.01	0-1	1	-0.99
	1	25	22.05		1	-0.95
	1	49	21.94		1	-1.06
	25	0	21.01	0-2	2	-0.99
	25	12	21.17		2	-0.83
	25	25	21.03		2	-0.97
	50	0	21.07		2	-0.93

Note: LTE Band 5 (Cell) at 10 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.

Table H-13
LTE Band 5 (Cell) Conducted Powers - 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	23.41	22.98	23.36	0	0	-0.59	-1.02	-0.64
	1	12	23.45	23.00	23.33		0	-0.55	-1.00	-0.67
	1	24	23.32	22.93	23.19		0	-0.68	-1.07	-0.81
	12	0	22.30	21.88	22.39	0-1	1	-0.70	-1.12	-0.61
	12	6	22.33	21.88	22.36		1	-0.67	-1.12	-0.64
	12	13	22.34	21.84	22.33		1	-0.66	-1.16	-0.67
	25	0	22.30	21.85	22.36		1	-0.70	-1.15	-0.64
16QAM	1	0	22.16	21.66	22.36	0-1	1	-0.84	-1.34	-0.64
	1	12	22.17	21.63	22.32		1	-0.83	-1.37	-0.68
	1	24	22.22	21.96	22.47		1	-0.78	-1.04	-0.53
	12	0	21.33	20.80	21.36	0-2	2	-0.67	-1.20	-0.64
	12	6	21.32	20.87	21.34		2	-0.68	-1.13	-0.66
	12	13	21.41	20.87	21.38		2	-0.59	-1.13	-0.62
	25	0	21.33	20.85	21.36		2	-0.67	-1.15	-0.64

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 6 of 16

Table H-14
LTE Band 5 (Cell) Conducted Powers - 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	23.32	22.82	23.46	0	0	-0.68	-1.18	-0.54
	1	7	23.37	22.76	23.42		0	-0.63	-1.24	-0.58
	1	14	23.38	22.84	23.39		0	-0.62	-1.16	-0.61
	8	0	22.39	21.88	22.34	0-1	1	-0.61	-1.12	-0.66
	8	4	22.32	21.87	22.33		1	-0.68	-1.13	-0.67
	8	7	22.36	21.86	22.33		1	-0.64	-1.14	-0.67
	15	0	22.30	21.84	22.35		1	-0.70	-1.16	-0.65
16QAM	1	0	22.26	21.93	22.19	0-1	1	-0.74	-1.07	-0.81
	1	7	22.15	22.09	22.25		1	-0.85	-0.91	-0.75
	1	14	22.41	21.81	22.14		1	-0.59	-1.19	-0.86
	8	0	21.33	20.83	21.32	0-2	2	-0.67	-1.17	-0.68
	8	4	21.35	20.76	21.31		2	-0.65	-1.24	-0.69
	8	7	21.26	20.80	21.40		2	-0.74	-1.20	-0.60
	15	0	21.24	20.78	21.32		2	-0.76	-1.22	-0.68

Table H-15
LTE Band 5 (Cell) Conducted Powers -1.4 MHz Bandwidth

LTE Band 5 (Cell) 1.4 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	23.39	22.94	23.44	0	0	-0.61	-1.06	-0.56
	1	2	23.34	22.89	23.39		0	-0.66	-1.11	-0.61
	1	5	23.45	22.94	23.39		0	-0.55	-1.06	-0.61
	3	0	23.34	22.87	23.35		0	-0.66	-1.13	-0.65
	3	2	23.35	22.85	23.32		0	-0.65	-1.15	-0.68
	3	3	23.35	22.88	23.31		0	-0.65	-1.12	-0.69
	6	0	22.29	21.90	22.40		0-1	1	-0.71	-1.10
16QAM	1	0	22.42	21.87	22.47	0-1	1	-0.58	-1.13	-0.53
	1	2	22.22	21.85	22.48		1	-0.78	-1.15	-0.52
	1	5	22.38	22.09	22.34		1	-0.62	-0.91	-0.66
	3	0	22.27	21.85	22.40		1	-0.73	-1.15	-0.60
	3	2	22.23	21.80	22.34		1	-0.77	-1.20	-0.66
	3	3	22.34	21.80	22.37		1	-0.66	-1.20	-0.63
	6	0	21.41	20.93	21.39		0-2	2	-0.59	-1.07

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 7 of 16

H.1.5 LTE Band 5 (Cell) – Antenna E

Table H-16
LTE Band 5 (Cell) Conducted Powers - 10 MHz Bandwidth

LTE Band 5 (Cell) 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Mid [dB]
			20525 (836.5 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	20.58	0	0	-0.92
	1	25	20.55		0	-0.95
	1	49	20.52		0	-0.98
	25	0	19.66	0-1	1	-0.84
	25	12	19.56		1	-0.94
	25	25	19.54		1	-0.96
	50	0	19.56		1	-0.94
16QAM	1	0	19.63	0-1	1	-0.87
	1	25	19.62		1	-0.88
	1	49	19.57		1	-0.93
	25	0	18.59	0-2	2	-0.91
	25	12	18.50		2	-1.00
	25	25	18.54		2	-0.96
	50	0	18.51		2	-0.99

Note: LTE Band 5 (Cell) at 10 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.

Table H-17
LTE Band 5 (Cell) Conducted Powers - 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	20.63	20.59	20.54	0	0	-0.87	-0.91	-0.96
	1	12	20.56	20.59	20.66		0	-0.94	-0.91	-0.84
	1	24	20.51	20.67	20.68		0	-0.99	-0.83	-0.82
	12	0	19.80	19.84	20.03	0-1	1	-0.70	-0.66	-0.47
	12	6	19.86	19.86	19.66		1	-0.64	-0.64	-0.84
	12	13	19.56	19.60	19.68		1	-0.94	-0.90	-0.82
	25	0	19.60	19.72	19.64		1	-0.90	-0.78	-0.86
16QAM	1	0	19.66	19.67	19.74	0-1	1	-0.84	-0.83	-0.76
	1	12	19.64	19.70	19.71		1	-0.86	-0.80	-0.79
	1	24	19.60	19.74	19.52		1	-0.90	-0.76	-0.98
	12	0	18.67	18.66	18.59	0-2	2	-0.83	-0.84	-0.91
	12	6	18.63	18.74	18.88		2	-0.87	-0.76	-0.62
	12	13	18.69	18.76	18.75		2	-0.81	-0.74	-0.75
	25	0	18.64	18.79	18.69		2	-0.86	-0.71	-0.81

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset	APPENDIX H Page 8 of 16		

Table H-18
LTE Band 5 (Cell) Conducted Powers - 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	20.62	20.55	20.55	0	0	-0.88	-0.95	-0.95
	1	7	20.70	20.62	20.75		0	-0.80	-0.88	-0.75
	1	14	20.67	20.78	20.65		0	-0.83	-0.72	-0.85
	8	0	19.87	19.76	20.05	0-1	1	-0.63	-0.74	-0.45
	8	4	19.65	19.85	19.77		1	-0.85	-0.65	-0.73
	8	7	19.63	19.66	19.65		1	-0.87	-0.84	-0.85
	15	0	19.58	19.71	19.70		1	-0.92	-0.79	-0.80
16QAM	1	0	19.62	19.70	19.79	0-1	1	-0.88	-0.80	-0.71
	1	7	19.88	19.59	19.76		1	-0.62	-0.91	-0.74
	1	14	19.61	19.69	19.58		1	-0.89	-0.81	-0.92
	8	0	18.66	18.76	18.60	0-2	2	-0.84	-0.74	-0.90
	8	4	18.56	18.83	18.90		2	-0.94	-0.67	-0.60
	8	7	18.70	18.63	18.75		2	-0.80	-0.87	-0.75
	15	0	18.65	18.81	18.67		2	-0.85	-0.69	-0.83

Table H-19
LTE Band 5 (Cell) Conducted Powers -1.4 MHz Bandwidth

LTE Band 5 (Cell) 1.4 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	20.56	20.66	20.63	0	0	-0.94	-0.84	-0.87
	1	2	20.59	20.71	20.77		0	-0.91	-0.79	-0.73
	1	5	20.62	20.59	20.56		0	-0.88	-0.91	-0.94
	3	0	20.85	20.85	20.55		0	-0.65	-0.65	-0.95
	3	2	20.75	20.65	20.68		0	-0.75	-0.85	-0.82
	3	3	20.56	20.52	20.72		0	-0.94	-0.98	-0.78
	6	0	19.74	19.73	19.60		0-1	1	-0.76	-0.77
16QAM	1	0	19.53	19.60	19.92	0-1	1	-0.97	-0.90	-0.58
	1	2	19.61	19.67	19.73		1	-0.89	-0.83	-0.77
	1	5	19.56	19.67	19.57		1	-0.94	-0.83	-0.93
	3	0	19.55	19.67	19.64		1	-0.95	-0.83	-0.86
	3	2	19.65	19.68	19.79		1	-0.85	-0.82	-0.71
	3	3	19.64	19.81	19.70		1	-0.86	-0.69	-0.80
	6	0	18.63	18.80	18.78		0-2	2	-0.87	-0.70

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 9 of 16

H.1.6

LTE Band 4 (AWS)

Table H-20
LTE Band 4 (AWS) Conducted Powers - 20 MHz Bandwidth

LTE Band 4 (AWS) 20 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Mid [dB]
			20175 (1732.5 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	22.51	0	0	-0.49
	1	50	22.43		0	-0.57
	1	99	22.43		0	-0.57
	50	0	21.58	0-1	1	-0.42
	50	25	21.46		1	-0.54
	50	50	21.40		1	-0.60
	100	0	21.52		1	-0.48
16QAM	1	0	21.88	0-1	1	-0.12
	1	50	21.68		1	-0.32
	1	99	21.69		1	-0.31
	50	0	20.68	0-2	2	-0.32
	50	25	20.46		2	-0.54
	50	50	20.48		2	-0.52
	100	0	20.50		2	-0.50

Note: LTE Band 4 (AWS) at 20 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.

Table H-21
LTE Band 4 (AWS) Conducted Powers - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHzBandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20025 (1717.5 MHz)	20175 (1732.5 MHz)	20325 (1747.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.71	22.46	22.94	0	0	-0.29	-0.54	-0.06
	1	36	22.69	22.39	22.93		0	-0.31	-0.61	-0.07
	1	74	22.66	22.43	22.89		0	-0.34	-0.57	-0.11
	36	0	21.68	21.51	21.87	0-1	1	-0.32	-0.49	-0.13
	36	18	21.70	21.49	21.86		1	-0.30	-0.51	-0.14
	36	37	21.71	21.49	21.85		1	-0.29	-0.51	-0.15
	75	0	21.69	21.53	21.88		1	-0.31	-0.47	-0.12
16QAM	1	0	21.62	21.62	21.82	0-1	1	-0.38	-0.38	-0.18
	1	36	21.67	21.55	21.74		1	-0.33	-0.45	-0.26
	1	74	21.52	21.34	21.75		1	-0.48	-0.66	-0.25
	36	0	20.68	20.52	20.91	0-2	2	-0.32	-0.48	-0.09
	36	18	20.66	20.59	20.89		2	-0.34	-0.41	-0.11
	36	37	20.63	20.53	20.93		2	-0.37	-0.47	-0.07
	75	0	20.67	20.54	20.94		2	-0.33	-0.46	-0.06

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 10 of 16

Table H-22
LTE Band 4 (AWS) Conducted Powers - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHzBandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			20000 (1715.0 MHz)	20175 (1732.5 MHz)	20350 (1750.0 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.62	22.48	22.86	0	0	-0.38	-0.52	-0.14
	1	25	22.69	22.44	22.93		0	-0.31	-0.56	-0.07
	1	49	22.60	22.45	22.95		0	-0.40	-0.55	-0.05
	25	0	21.58	21.50	21.87	0-1	1	-0.42	-0.50	-0.13
	25	12	21.60	21.48	21.85		1	-0.40	-0.52	-0.15
	25	25	21.60	21.44	21.85		1	-0.40	-0.56	-0.15
16QAM	50	0	21.58	21.47	21.86	0-1	1	-0.42	-0.53	-0.14
	1	0	21.65	21.76	21.74		1	-0.35	-0.24	-0.26
	1	25	21.68	21.58	21.74		1	-0.32	-0.42	-0.26
	1	49	21.61	21.46	21.77	0-2	1	-0.39	-0.54	-0.23
	25	0	20.57	20.44	20.96		2	-0.43	-0.56	-0.04
	25	12	20.60	20.59	20.95		2	-0.40	-0.41	-0.05
	25	25	20.60	20.53	20.92		2	-0.40	-0.47	-0.08
	50	0	20.57	20.47	20.94		2	-0.43	-0.53	-0.06

Table H-23
LTE Band 4 (AWS) Conducted Powers - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHzBandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			19975 (1712.5 MHz)	20175 (1732.5 MHz)	20375 (1752.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.62	22.56	22.88	0	0	-0.38	-0.44	-0.12
	1	12	22.34	22.57	22.89		0	-0.66	-0.43	-0.11
	1	24	22.50	22.55	22.92		0	-0.50	-0.45	-0.08
	12	0	21.52	21.54	21.84	0-1	1	-0.48	-0.46	-0.16
	12	6	21.52	21.46	21.83		1	-0.48	-0.54	-0.17
	12	13	21.52	21.48	21.83		1	-0.48	-0.52	-0.17
	25	0	21.51	21.46	21.84		1	-0.49	-0.54	-0.16
16QAM	1	0	21.44	21.49	21.68	0-1	1	-0.56	-0.51	-0.32
	1	12	21.45	21.58	21.83		1	-0.55	-0.42	-0.17
	1	24	21.55	21.49	21.85		1	-0.45	-0.51	-0.15
	12	0	20.48	20.46	20.82	0-2	2	-0.52	-0.54	-0.18
	12	6	20.48	20.40	20.83		2	-0.52	-0.60	-0.17
	12	13	20.54	20.40	20.83		2	-0.46	-0.60	-0.17
	25	0	20.53	20.44	20.85		2	-0.47	-0.56	-0.15

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset	APPENDIX H Page 11 of 16		

Table H-24
LTE Band 4 (AWS) Conducted Powers - 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			19965 (1711.5 MHz)	20175 (1732.5 MHz)	20385 (1753.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.40	22.46	22.97	0	0	-0.60	-0.54	-0.03
	1	7	22.40	22.41	22.93		0	-0.60	-0.59	-0.07
	1	14	22.47	22.44	22.95		0	-0.53	-0.56	-0.05
	8	0	21.44	21.49	21.90	0-1	1	-0.56	-0.51	-0.10
	8	4	21.45	21.50	21.87		1	-0.55	-0.50	-0.13
	8	7	21.39	21.46	21.86		1	-0.61	-0.54	-0.14
16QAM	15	0	21.40	21.47	21.90	0-1	1	-0.60	-0.53	-0.10
	1	0	21.52	21.52	22.09		1	-0.48	-0.48	0.09
	1	7	21.56	21.62	21.90		1	-0.44	-0.38	-0.10
	1	14	21.40	21.60	21.94	0-2	1	-0.60	-0.40	-0.06
	8	0	20.43	20.46	20.90		2	-0.57	-0.54	-0.10
	8	4	20.43	20.46	20.85		2	-0.57	-0.54	-0.15
	8	7	20.40	20.50	20.80		2	-0.60	-0.50	-0.20
	15	0	20.34	20.42	20.86		2	-0.66	-0.58	-0.14

Table H-25
LTE Band 4 (AWS) Conducted Powers - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHzBandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			19957 (1710.7 MHz)	20175 (1732.5 MHz)	20393 (1754.3 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.45	22.45	22.97	0	0	-0.55	-0.55	-0.03
	1	2	22.38	22.53	22.92		0	-0.62	-0.47	-0.08
	1	5	22.38	22.58	22.98		0	-0.62	-0.42	-0.02
	3	0	22.37	22.49	22.88		0	-0.63	-0.51	-0.12
	3	2	22.39	22.41	22.90		0	-0.61	-0.59	-0.10
	3	3	22.35	22.44	22.89		0	-0.65	-0.56	-0.11
	6	0	21.47	21.54	21.90		0	-0.53	-0.46	-0.10
16QAM	1	0	21.55	21.62	21.96	0-1	1	-0.45	-0.38	-0.04
	1	2	21.40	21.52	22.05		1	-0.60	-0.48	0.05
	1	5	21.62	21.49	21.95		1	-0.38	-0.51	-0.05
	3	0	21.30	21.46	21.89		1	-0.70	-0.54	-0.11
	3	2	21.40	21.41	21.77		1	-0.60	-0.59	-0.23
	3	3	21.33	21.45	21.86		1	-0.67	-0.55	-0.14
	6	0	20.51	20.40	20.92		0-2	2	-0.49	-0.60

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 12 of 16

H.1.7 LTE Band 25 (PCS)

Table H-26
LTE Band 25 (PCS) Conducted Powers - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26140 (1860.0 MHz)	26365 (1882.5 MHz)	26590 (1905.0 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.40	22.62	22.68	0	0	-0.60	-0.38	-0.32
	1	50	22.36	22.50	22.62		0	-0.64	-0.50	-0.38
	1	99	22.34	22.45	22.65		0	-0.66	-0.55	-0.35
	50	0	21.56	21.58	21.82	0-1	1	-0.44	-0.42	-0.18
	50	25	21.47	21.52	21.70		1	-0.53	-0.48	-0.30
	50	50	21.45	21.41	21.68		1	-0.55	-0.59	-0.32
	100	0	21.43	21.46	21.70		1	-0.57	-0.54	-0.30
16QAM	1	0	21.40	21.80	21.98	0-1	1	-0.60	-0.20	-0.02
	1	50	21.42	21.71	21.92		1	-0.58	-0.29	-0.08
	1	99	21.43	21.70	21.95		1	-0.57	-0.30	-0.05
	50	0	20.61	20.63	20.86	0-2	2	-0.39	-0.37	-0.14
	50	25	20.49	20.46	20.75		2	-0.51	-0.54	-0.25
	50	50	20.44	20.42	20.76		2	-0.56	-0.58	-0.24
	100	0	20.42	20.48	20.78		2	-0.58	-0.52	-0.22

Table H-27
LTE Band 25 (PCS) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.35	22.49	22.86	0	0	-0.65	-0.51	-0.14
	1	36	22.37	22.48	22.85		0	-0.63	-0.52	-0.15
	1	74	22.33	22.41	22.80		0	-0.67	-0.59	-0.20
	36	0	21.35	21.46	21.76	0-1	1	-0.65	-0.54	-0.24
	36	18	21.33	21.46	21.79		1	-0.67	-0.54	-0.21
	36	37	21.32	21.44	21.76		1	-0.68	-0.56	-0.24
	75	0	21.34	21.44	21.76		1	-0.66	-0.56	-0.24
16QAM	1	0	21.21	21.41	21.66	0-1	1	-0.79	-0.59	-0.34
	1	36	21.17	21.45	21.75		1	-0.83	-0.55	-0.25
	1	74	21.20	21.48	21.83		1	-0.80	-0.52	-0.17
	36	0	20.33	20.41	20.85	0-2	2	-0.67	-0.59	-0.15
	36	18	20.28	20.43	20.83		2	-0.72	-0.57	-0.17
	36	37	20.30	20.40	20.79		2	-0.70	-0.60	-0.21
	75	0	20.32	20.45	20.83		2	-0.68	-0.55	-0.17

Table H-28
LTE Band 25 (PCS) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.20	22.49	22.91	0	0	-0.80	-0.51	-0.09
	1	25	22.21	22.48	22.76		0	-0.79	-0.52	-0.24
	1	49	22.18	22.41	22.83		0	-0.82	-0.59	-0.17
	25	0	21.79	21.45	21.79	0-1	1	-0.21	-0.55	-0.21
	25	12	21.22	21.48	21.77		1	-0.78	-0.52	-0.23
	25	25	21.22	21.44	21.78		1	-0.78	-0.56	-0.22
	50	0	21.16	21.41	21.75		1	-0.84	-0.59	-0.25
16QAM	1	0	21.01	21.56	21.66	0-1	1	-0.99	-0.44	-0.34
	1	25	21.06	21.51	21.66		1	-0.94	-0.49	-0.34
	1	49	21.07	21.48	21.83		1	-0.93	-0.52	-0.17
	25	0	20.15	20.45	20.85	0-2	2	-0.85	-0.55	-0.15
	25	12	20.10	20.41	20.78		2	-0.90	-0.59	-0.22
	25	25	20.12	20.41	20.78		2	-0.88	-0.59	-0.22
	50	0	20.13	20.39	20.78		2	-0.87	-0.61	-0.22

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 13 of 16

Table H-29
LTE Band 25 (PCS) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.10	22.32	23.03	0	0	-0.90	-0.68	0.03
	1	12	22.10	22.38	22.99		0	-0.90	-0.62	-0.01
	1	24	22.11	22.37	22.94		0	-0.89	-0.63	-0.06
	12	0	21.02	21.41	21.85	0-1	1	-0.98	-0.59	-0.15
	12	6	21.02	21.41	21.84		1	-0.98	-0.59	-0.16
	12	13	21.02	21.42	21.87		1	-0.98	-0.58	-0.13
16QAM	25	0	21.00	21.38	21.82	0-1	1	-1.00	-0.62	-0.18
	1	0	20.94	21.42	21.89		1	-1.06	-0.58	-0.11
	1	12	20.72	21.29	21.84		1	-1.28	-0.71	-0.16
	1	24	20.90	21.38	22.04	0-2	1	-1.10	-0.62	0.04
	12	0	20.06	20.38	20.83		2	-0.94	-0.62	-0.17
	12	6	20.04	20.39	20.84		2	-0.96	-0.61	-0.16
	12	13	20.01	20.39	20.80		2	-0.99	-0.61	-0.20
	25	0	20.07	20.43	20.89		2	-0.93	-0.57	-0.11

Table H-30
LTE Band 25 (PCS) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.09	22.53	22.94	0	0	-0.91	-0.47	-0.06
	1	7	22.05	22.59	22.99		0	-0.95	-0.41	-0.01
	1	14	22.08	22.53	23.00		0	-0.92	-0.47	0.00
	8	0	21.08	21.50	21.96	0-1	1	-0.92	-0.50	-0.04
	8	4	21.06	21.48	21.90		1	-0.94	-0.52	-0.10
	8	7	21.09	21.46	21.89		1	-0.91	-0.54	-0.11
16QAM	15	0	21.08	21.45	21.85	0-1	1	-0.92	-0.55	-0.15
	1	0	21.29	21.53	21.96		1	-0.71	-0.47	-0.04
	1	7	21.20	21.50	22.03		1	-0.80	-0.50	0.03
	1	14	21.04	21.46	21.94	0-2	1	-0.96	-0.54	-0.06
	8	0	19.95	20.37	20.87		2	-1.05	-0.63	-0.13
	8	4	20.10	20.45	20.95		2	-0.90	-0.55	-0.05
	8	7	20.08	20.47	20.90		2	-0.92	-0.53	-0.10
	15	0	20.08	20.43	20.88		2	-0.92	-0.57	-0.12

Table H-31
LTE Band 25 (PCS) 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]	Deviation Low [dB]	Deviation Mid [dB]	Deviation High [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)					
			Conducted Power [dBm]							
QPSK	1	0	22.16	22.49	23.01	0	0	-0.84	-0.51	0.01
	1	2	22.15	22.54	22.99		0	-0.85	-0.46	-0.01
	1	5	22.13	22.54	23.04		0	-0.87	-0.46	0.04
	3	0	22.09	22.43	22.92		0	-0.91	-0.57	-0.08
	3	2	22.10	22.49	22.93		0	-0.90	-0.51	-0.07
	3	3	22.10	22.41	22.90		0	-0.90	-0.59	-0.10
	6	0	21.13	21.47	21.93		0-1	1	-0.87	-0.53
16QAM	1	0	21.17	21.77	22.01	0-1	1	-0.83	-0.23	0.01
	1	2	21.19	21.48	21.88		1	-0.81	-0.52	-0.12
	1	5	21.34	21.69	21.88		1	-0.66	-0.31	-0.12
	3	0	21.23	21.40	21.90		1	-0.77	-0.60	-0.10
	3	2	21.08	21.42	21.88		1	-0.92	-0.58	-0.12
	3	3	21.16	21.40	21.88	1	-0.84	-0.60	-0.12	
	6	0	20.18	20.41	20.92	0-2	2	-0.82	-0.59	-0.08

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset			APPENDIX H Page 14 of 16

H.1.8

LTE Band 41

Table H-32
LTE Band 41 Conducted Powers - 20 MHz Bandwidth

LTE Band 41 20 MHzBandwidth															
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Low-Mid [dB]	Deviation Mid [dB]	Deviation Mid-High [dB]	Deviation High [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	22.59	22.87	22.93	22.76	22.89	0	0	-0.41	-0.13	-0.07	-0.24	-0.11	
	1	50	22.59	22.86	22.63	22.74	22.91		0	-0.41	-0.14	-0.37	-0.26	-0.09	
	1	99	22.63	22.91	22.57	22.84	22.97		0	-0.37	-0.09	-0.43	-0.16	-0.03	
	50	0	21.65	21.94	21.75	21.88	22.16	0-1	1	-0.35	-0.06	-0.25	-0.12	0.16	
	50	25	21.61	21.85	21.76	21.85	22.10		1	-0.39	-0.15	-0.24	-0.15	0.10	
	50	50	21.58	21.92	21.77	21.86	22.13		1	-0.42	-0.08	-0.23	-0.14	0.13	
	100	0	21.62	21.90	21.75	21.87	22.07		1	-0.38	-0.10	-0.25	-0.13	0.07	
16QAM	1	0	21.56	21.77	21.94	21.92	22.26	0-1	1	-0.44	-0.23	-0.06	-0.08	0.26	
	1	50	21.52	21.77	21.98	21.95	22.27		1	-0.48	-0.23	-0.02	-0.05	0.27	
	1	99	21.55	21.76	21.95	21.97	22.28		1	-0.45	-0.24	-0.05	-0.03	0.28	
	50	0	20.70	20.96	20.83	20.86	21.15	0-2	2	-0.30	-0.04	-0.17	-0.14	0.15	
	50	25	20.63	20.94	20.71	20.89	21.09		2	-0.37	-0.06	-0.29	-0.11	0.09	
	50	50	20.63	20.93	20.74	20.87	21.03		2	-0.37	-0.07	-0.26	-0.13	0.03	
	100	0	20.61	20.89	20.72	20.88	21.04		2	-0.39	-0.11	-0.28	-0.12	0.04	

Table H-33
LTE Band 41 Conducted Powers - 15 MHz Bandwidth

LTE Band 41 15 MHzBandwidth															
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation Low [dB]	Deviation Low-Mid [dB]	Deviation Mid [dB]	Deviation Mid-High [dB]	Deviation High [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	22.88	23.00	22.65	22.88	22.90	0	0	-0.12	0.00	-0.35	-0.12	-0.10	
	1	36	22.90	23.14	22.63	22.86	22.85		0	-0.10	0.14	-0.37	-0.14	-0.15	
	1	74	22.80	23.10	22.59	22.77	22.86		0	-0.20	0.10	-0.41	-0.23	-0.14	
	36	0	21.85	22.20	21.80	21.82	21.94	0-1	1	-0.15	0.20	-0.20	-0.18	-0.06	
	36	18	21.79	22.10	21.75	21.85	21.77		1	-0.21	0.10	-0.25	-0.15	-0.23	
	36	37	21.85	22.19	21.77	21.83	21.80		1	-0.15	0.19	-0.23	-0.17	-0.20	
	75	0	21.84	22.18	21.81	21.83	21.86		1	-0.16	0.18	-0.19	-0.17	-0.14	
16QAM	1	0	21.77	22.02	21.76	21.96	21.85	0-1	1	-0.23	0.02	-0.24	-0.04	-0.15	
	1	36	21.80	22.06	21.60	21.74	21.90		1	-0.20	0.06	-0.40	-0.26	-0.10	
	1	74	21.94	22.05	21.66	21.76	21.88		1	-0.06	0.05	-0.34	-0.24	-0.12	
	36	0	20.80	21.12	20.86	20.82	20.90	0-2	2	-0.20	0.12	-0.14	-0.18	-0.10	
	36	18	20.81	21.10	20.79	20.79	20.81		2	-0.19	0.10	-0.21	-0.21	-0.19	
	36	37	20.85	21.06	20.79	20.77	20.88		2	-0.15	0.06	-0.21	-0.23	-0.12	
	75	0	20.80	21.11	20.78	20.82	20.84		2	-0.20	0.11	-0.22	-0.18	-0.16	

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset	APPENDIX H Page 15 of 16		

Table H-34
LTE Band 41 Conducted Powers - 10 MHz Bandwidth

LTE Band 41 10 MHzBandwidth														
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation n Low [dB]	Deviation n Low- Mid [dB]	Deviation n Mid [dB]	Deviation n Mid- High [dB]	Deviation n High [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	22.74	23.00	22.84	22.85	22.89	0	0	-0.26	0.00	-0.16	-0.15	-0.11
	1	25	22.80	22.99	22.68	22.90	22.94		0	-0.20	-0.01	-0.32	-0.10	-0.06
	1	49	22.89	23.06	22.79	22.84	22.94		0	-0.11	0.06	-0.21	-0.16	-0.06
	25	0	21.97	22.03	21.60	21.89	21.94		0-1	1	-0.03	0.03	-0.40	-0.11
	25	12	21.98	22.10	21.95	21.88	21.96	1		-0.02	0.10	-0.05	-0.12	-0.04
	25	25	21.94	22.06	21.80	21.90	21.90	1		-0.06	0.06	-0.20	-0.10	-0.10
	50	0	21.85	22.10	21.96	21.95	21.97	1		-0.15	0.10	-0.04	-0.05	-0.03
	1	0	21.96	22.06	21.88	21.78	21.86	0-1	1	-0.04	0.06	-0.12	-0.22	-0.14
1	25	21.99	21.95	21.86	21.85	21.70	1		-0.01	-0.05	-0.14	-0.15	-0.30	
1	49	21.89	21.89	21.95	21.84	21.77	1		-0.11	-0.11	-0.05	-0.16	-0.23	
25	0	20.90	21.06	20.84	20.68	20.70	0-2		2	-0.10	0.06	-0.16	-0.32	-0.30
25	12	21.06	20.98	20.87	20.80	20.79			2	0.06	-0.02	-0.13	-0.20	-0.21
25	25	21.00	20.94	20.90	20.76	20.88			2	0.00	-0.06	-0.10	-0.24	-0.12
50	0	21.00	20.96	20.95	20.80	20.84			2	0.00	-0.04	-0.05	-0.20	-0.16

Table H-35
LTE Band 41 Conducted Powers - 5 MHz Bandwidth

LTE Band 41 5 MHzBandwidth															
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	Dev. Low [dB]	Dev. Low-Mid [dB]	Dev. Mid [dB]	Dev. Mid High [dB]	Dev. High [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	22.83	23.00	22.89	22.80	23.04	0	0	-0.17	0.00	-0.11	-0.20	0.04	
	1	12	22.81	22.92	22.89	22.94	22.78		0	-0.19	-0.08	-0.11	-0.06	-0.22	
	1	24	23.02	22.93	22.71	22.96	23.00		0	0.02	-0.07	-0.29	-0.04	0.00	
	12	0	22.18	22.27	21.66	21.87	21.97		0-1	1	0.18	0.27	-0.34	-0.13	-0.03
	12	6	21.90	22.09	21.96	21.79	22.00			1	-0.10	0.09	-0.04	-0.21	0.00
	12	13	21.78	22.27	21.85	21.89	22.04			1	-0.22	0.27	-0.15	-0.11	0.04
25	0	21.97	22.11	21.99	21.92	22.04	1	-0.03		0.11	-0.01	-0.08	0.04		
16QAM	1	0	21.97	21.97	21.86	21.71	21.73	0-1	1	-0.03	-0.03	-0.14	-0.29	-0.27	
	1	12	21.94	21.81	21.76	21.84	21.73		1	-0.06	-0.19	-0.24	-0.16	-0.27	
	1	24	22.05	21.91	21.95	21.90	21.98	0-2	1	0.05	-0.09	-0.05	-0.10	-0.02	
	12	0	20.73	20.86	20.64	20.54	20.91		2	-0.27	-0.14	-0.36	-0.46	-0.09	
	12	6	20.90	20.78	20.73	20.73	20.81		2	-0.10	-0.22	-0.27	-0.27	-0.19	
	12	13	20.90	20.99	20.81	20.73	20.95		2	-0.10	-0.01	-0.19	-0.27	-0.05	
	25	0	20.97	21.03	20.82	21.01	20.90		2	-0.03	0.03	-0.18	0.01	-0.10	

FCC ID A3LSMG955N		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 03/06/17 - 03/23/17	DUT Type: Portable Handset	APPENDIX H Page 16 of 16		