

APPENDIX H: LTE AND NR LOWER BANDWIDTH RF CONDUCTED POWERS

Note: Some bands do not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

H.1 LTE Lower Bandwidth RF Conducted Powers

H.1.1 LTE Band 71

Table H-4
LTE Band 71 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 15 MHz Bandwidth

LTE Band 71 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297 (680.5 MHz) Conducted Power [dBm]		
QPSK	1	0	24.49	0	0
	1	36	24.23		0
	1	74	24.21		0
	36	0	23.45	0-1	1
	36	18	23.39		1
	36	37	23.35		1
	75	0	23.40		1
16QAM	1	0	23.44	0-1	1
	1	36	23.40		1
	1	74	23.46		1
	36	0	22.36	0-2	2
	36	18	22.30		2
	36	37	22.26		2
	75	0	22.33		2
64QAM	1	0	22.38	0-2	2
	1	36	22.29		2
	1	74	22.30		2
	36	0	21.39	0-3	3
	36	18	21.34		3
	36	37	21.29		3
	75	0	21.29		3
256QAM	1	0	19.52	0-5	5
	1	36	19.38		5
	1	74	19.37		5
	36	0	19.34		5
	36	18	19.27		5
	36	37	19.22		5
	75	0	19.25		5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 1 of 156

Table H-5
LTE Band 71 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 10 MHz Bandwidth

LTE Band 71 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133172 (668.0 MHz)	133297 (680.5 MHz)	133422 (693.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	24.27	24.34	24.64	0	0
	1	25	24.18	24.27	24.66		0
	1	49	24.33	24.28	24.22		0
	25	0	23.27	23.34	23.57	0-1	1
	25	12	23.27	23.31	23.51		1
	25	25	23.21	23.27	23.48		1
16QAM	50	0	23.24	23.30	23.54	0-1	1
	1	0	23.32	23.39	23.83		1
	1	25	23.27	23.33	23.56		1
	1	49	23.13	23.31	23.18	0-2	1
	25	0	22.21	22.23	22.56		2
	25	12	22.25	22.19	22.46		2
64QAM	25	25	22.21	22.19	22.40	0-2	2
	50	0	22.17	22.23	22.48		2
	1	0	22.27	22.01	22.56		2
	1	25	22.21	21.99	22.35	0-2	2
	1	49	22.09	22.06	22.38		2
	25	0	21.14	21.25	21.50		3
256QAM	25	12	21.16	21.22	21.40	0-3	3
	25	25	21.17	21.17	21.34		3
	50	0	21.11	21.15	21.44		3
	1	0	19.22	19.24	19.62	0-5	5
	1	25	19.19	18.99	19.47		5
	1	49	19.08	19.14	19.43		5
25	0	19.21	19.19	19.53	5		
25	12	19.17	19.13	19.48	5		
25	25	19.14	19.11	19.42	5		
50	0	19.07	19.11	19.47	5		

Table H-6
LTE Band 71 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 5 MHz Bandwidth

LTE Band 71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133147 (665.5 MHz)	133297 (680.5 MHz)	133447 (695.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	24.57	24.35	24.57	0	0
	1	12	24.58	24.20	24.58		0
	1	24	24.46	24.31	24.32		0
	12	0	23.43	23.34	23.58	0-1	1
	12	6	23.44	23.32	23.51		1
	12	13	23.42	23.31	23.56		1
16QAM	25	0	23.35	23.32	23.55	0-1	1
	1	0	23.36	23.51	23.71		1
	1	12	23.37	23.34	23.58		1
	1	24	23.46	23.42	23.64	0-2	1
	12	0	22.29	22.29	22.49		2
	12	6	22.29	22.27	22.45		2
64QAM	12	13	22.29	22.24	22.39	0-2	2
	25	0	22.27	22.27	22.45		2
	1	0	22.15	22.45	22.34		2
	1	12	22.17	22.36	22.29	0-2	2
	1	24	22.27	22.40	22.52		2
	12	0	21.13	21.16	21.45		3
256QAM	12	6	21.14	21.14	21.41	0-3	3
	12	13	21.13	21.11	21.39		3
	25	0	21.19	21.06	21.36		3
	1	0	19.23	19.33	19.39	0-5	5
	1	12	19.15	19.32	19.34		5
	1	24	19.20	19.31	19.29		5
12	0	19.24	19.13	19.44	5		
12	6	19.20	19.11	19.41	5		
12	13	19.17	19.08	19.38	5		
25	0	19.15	19.09	19.41	5		

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 2 of 156

H.1.2 LTE Band 12

Table H-7
LTE Band 12 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 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	24.65	24.49	24.22	0	0
	1	12	24.70	24.36	24.26		0
	1	24	24.65	24.49	24.26		0
	12	0	23.65	23.51	23.34	0-1	1
	12	6	23.63	23.49	23.30		1
	12	13	23.62	23.47	23.30		1
16QAM	25	0	23.63	23.49	23.34	0-1	1
	1	0	23.79	23.97	23.61		1
	1	12	23.74	23.85	23.47		1
	1	24	23.88	23.85	23.52	0-2	1
	12	0	22.60	22.49	22.32		2
	12	6	22.53	22.49	22.30		2
64QAM	12	13	22.53	22.46	22.26	0-2	2
	25	0	22.57	22.43	22.28		2
	1	0	22.47	22.42	22.29		0-2
	1	12	22.40	22.38	22.31	2	
	1	24	22.47	22.45	22.33	2	
	256QAM	12	0	21.38	21.35	21.15	0-3
12		6	21.37	21.37	21.11	3	
12		13	21.36	21.34	21.12	3	
25		0	21.38	21.37	21.19	0-5	3
1		0	19.33	19.35	19.52		5
1		12	19.22	19.27	19.47		5
256QAM	1	24	19.27	19.33	19.42	0-5	5
	12	0	19.40	19.42	19.23		5
	12	6	19.39	19.40	19.20		5
	12	13	19.38	19.36	19.19	5	
	25	0	19.36	19.36	19.18	5	

Table H-8
LTE Band 12 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 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	24.63	24.53	24.28	0	0
	1	7	24.39	24.53	24.30		0
	1	14	24.67	24.54	24.22		0
	8	0	23.71	23.57	23.39	0-1	1
	8	4	23.68	23.49	23.35		1
	8	7	23.66	23.49	23.34		1
16QAM	15	0	23.66	23.51	23.30	0-1	1
	1	0	23.75	23.66	23.54		1
	1	7	23.63	23.54	23.45		0-2
	1	14	23.66	23.56	23.54	1	
	8	0	22.56	22.57	22.33	2	
	64QAM	8	4	22.54	22.52	22.29	0-2
8		7	22.52	22.50	22.31	2	
15		0	22.59	22.46	22.26	2	
1		0	22.43	22.63	22.42	0-2	2
1		7	22.39	22.58	22.26		2
1		14	22.36	22.68	22.44		2
256QAM	8	0	21.58	21.57	21.22	0-3	3
	8	4	21.52	21.53	21.19		3
	8	7	21.55	21.53	21.22		3
	15	0	21.55	21.42	21.13	0-5	3
	1	0	19.67	19.70	19.20		5
	1	7	19.47	19.69	19.25		5
256QAM	1	14	19.62	19.67	19.39	0-5	5
	8	0	19.53	19.44	19.26		5
	8	4	19.52	19.34	19.25		5
	8	7	19.48	19.39	19.20	5	
	15	0	19.53	19.46	19.24	5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 3 of 156

Table H-9
LTE Band 12 Measured P_{Max} for Free, RCV Active, Hotspot Mode – 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	24.62	24.52	24.40	0	0
	1	2	24.68	24.24	24.14		0
	1	5	24.58	24.50	24.38		0
	3	0	24.59	24.52	24.31		0
	3	2	24.55	24.43	24.22		0
	3	3	24.61	24.43	24.19		0
	6	0	23.65	23.50	23.36	0-1	1
16QAM	1	0	23.54	23.53	23.46	0-1	1
	1	2	23.55	23.70	23.59		1
	1	5	23.62	23.60	23.48		1
	3	0	23.69	23.35	23.38		1
	3	2	23.50	23.44	23.27		1
	3	3	23.48	23.53	23.35		1
	6	0	22.70	22.51	22.35	0-2	2
64QAM	1	0	22.60	22.50	22.52	0-2	2
	1	2	22.73	22.59	22.48		2
	1	5	22.63	22.48	22.46		2
	3	0	22.62	22.49	22.22		2
	3	2	22.53	22.42	22.14		2
	3	3	22.61	22.40	22.19		2
	6	0	21.63	21.49	21.26	0-3	3
256QAM	1	0	19.67	19.65	19.30	0-5	5
	1	2	19.71	19.59	19.41		5
	1	5	19.69	19.64	19.30		5
	3	0	19.66	19.36	19.10		5
	3	2	19.50	19.36	19.04		5
	3	3	19.58	19.41	19.07		5
	6	0	19.56	19.51	19.25	5	

H.1.3 LTE Band 13

Table H-10
LTE Band 13 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 5 MHz Bandwidth

LTE Band 13 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			23230 (782.0 MHz)			
			Conducted Power [dBm]			
QPSK	1	0	23.93	0	0	
	1	12	23.93		0	
	1	24	23.94		0	
	12	0	23.58		0-1	1
	12	6	23.55			1
	12	13	23.57			1
	25	0	23.59	1		
16QAM	1	0	23.71	0-1	1	
	1	12	23.58		1	
	1	24	23.61		1	
	12	0	22.55		0-2	2
	12	6	22.51	2		
	12	13	22.53	2		
	25	0	22.54	2		
64QAM	1	0	22.53	0-2	2	
	1	12	22.39		2	
	1	24	22.49		2	
	12	0	21.59		0-3	3
	12	6	21.53	3		
	12	13	21.54	3		
	25	0	21.54	3		
256QAM	1	0	19.65	0-5	5	
	1	12	19.56		5	
	1	24	19.55		5	
	12	0	19.56		5	
	12	6	19.52		5	
	12	13	19.51		5	
	25	0	19.55	5		

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 4 of 156

H.1.4 LTE Band 14

Table H-11
LTE Band 14 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 5 MHz Bandwidth

LTE Band 14 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.02	0	0
	1	12	24.05		0
	1	24	24.00		0
	12	0	23.74	0-1	1
	12	6	23.68		1
	12	13	23.68		1
16QAM	25	0	23.74	0-1	1
	1	0	23.99		1
	1	12	23.86		1
	1	24	23.53	0-2	1
	12	0	22.72		2
	12	6	22.64		2
64QAM	12	13	22.66	0-2	2
	25	0	22.63		2
	1	0	22.72		2
	1	12	22.63	0-3	2
	1	24	22.59		2
	12	0	21.71		3
256QAM	12	6	21.65	0-3	3
	12	13	21.64		3
	25	0	21.69		3
	1	0	19.73	0-5	5
	1	12	19.60		5
	1	24	19.64		5
12	0	19.73	5		
12	6	19.69	5		
12	13	19.65	5		
	25	0	19.75	5	

H.1.5 LTE Band 26

Table H-12
LTE Band 26 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode – 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.31	24.48	24.40	0	0
	1	25	24.28	24.47	24.36		0
	1	49	24.31	24.51	24.40		0
	25	0	23.41	23.55	23.39	0-1	1
	25	12	23.40	23.52	23.40		1
	25	25	23.39	23.50	23.36		1
16QAM	50	0	23.39	23.56	23.42	0-1	1
	1	0	23.54	23.68	23.69		1
	1	25	23.45	23.52	23.64		1
	1	49	23.48	23.46	23.62	0-2	1
	25	0	22.37	22.55	22.43		2
	25	12	22.40	22.50	22.40		2
64QAM	25	25	22.39	22.48	22.37	0-2	2
	50	0	22.40	22.48	22.38		2
	1	0	22.41	22.51	22.39		2
	1	25	22.28	22.39	22.41	0-3	2
	1	49	22.39	22.46	22.33		2
	25	0	21.43	21.62	21.42		3
256QAM	25	12	21.42	21.60	21.42	0-3	3
	25	25	21.38	21.57	21.38		3
	50	0	21.38	21.56	21.40		3
	1	0	19.43	19.70	19.58	0-5	5
	1	25	19.37	19.66	19.45		5
	1	49	19.39	19.65	19.55		5
25	0	19.46	19.57	19.45	5		
25	12	19.42	19.55	19.40	5		
25	25	19.39	19.53	19.41	5		
	50	0	19.38	19.51	19.37	5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 5 of 156

Table H-13
LTE Band 26 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode –
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)		
QPSK	1	0	24.36	24.47	24.22	0	0
	1	12	24.36	24.37	24.25		0
	1	24	24.35	24.57	24.29		0
	12	0	23.33	23.52	23.34	0-1	1
	12	6	23.35	23.50	23.29		1
	12	13	23.32	23.52	23.30		1
16QAM	25	0	23.33	23.54	23.36	0-1	1
	1	0	23.51	23.88	23.62		1
	1	12	23.45	23.78	23.44		1
	1	24	23.57	23.83	23.48	0-2	1
	12	0	22.31	22.56	22.34		2
	12	6	22.31	22.54	22.30		2
64QAM	12	13	22.30	22.51	22.24	0-2	2
	25	0	22.30	22.54	22.32		2
	1	0	22.37	22.68	22.35		0-2
	1	12	22.38	22.69	22.22	2	
	1	24	22.46	22.52	22.28	2	
	256QAM	12	0	21.31	21.54	21.33	0-3
12		6	21.30	21.53	21.30	3	
12		13	21.30	21.50	21.31	3	
25		0	21.36	21.51	21.34	0-5	3
1		0	19.44	19.79	19.28		5
1		12	19.26	19.79	19.21		5
256QAM	1	24	19.34	19.80	19.17	0-5	5
	12	0	19.36	19.64	19.34		5
	12	6	19.34	19.61	19.34		5
	12	13	19.31	19.59	19.32	0-5	5
	25	0	19.35	19.55	19.34		5
	25	0	19.35	19.55	19.34		5

Table H-14
LTE Band 26 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode –
3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	24.31	24.52	24.29	0	0
	1	7	24.08	24.56	24.33		0
	1	14	24.37	24.60	24.30		0
	8	0	23.42	23.62	23.42	0-1	1
	8	4	23.37	23.55	23.39		1
	8	7	23.37	23.58	23.41		1
16QAM	15	0	23.35	23.54	23.34	0-1	1
	1	0	23.40	23.49	23.53		1
	1	7	23.32	23.44	23.41		1
	1	14	23.38	23.40	23.55	0-2	1
	8	0	22.26	22.58	22.41		2
	8	4	22.25	22.57	22.37		2
64QAM	8	7	22.23	22.56	22.36	0-2	2
	15	0	22.30	22.50	22.38		2
	1	0	22.26	22.64	22.47		0-2
	1	7	22.24	22.48	22.30	2	
	1	14	22.25	22.64	22.46	0-3	
	8	0	21.36	21.61	21.39		3
8	4	21.36	21.56	21.36	3		
256QAM	8	7	21.33	21.57	21.33	0-3	3
	15	0	21.35	21.58	21.36		3
	1	0	19.30	19.95	19.61		0-5
	1	7	19.25	19.80	19.35	5	
	1	14	19.30	19.79	19.54	5	
	256QAM	8	0	19.41	19.61	19.38	0-5
8		4	19.40	19.49	19.40	5	
8		7	19.35	19.50	19.34	5	
15		0	19.36	19.56	19.40	0-5	5
15		0	19.36	19.56	19.40		5
15		0	19.36	19.56	19.40		5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 6 of 156

Table H-15
LTE Band 26 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode –
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	24.33	24.57	24.48	0	0	
	1	2	24.42	24.29	24.24		0	
	1	5	24.31	24.59	24.50		0	
	3	0	24.37	24.61	24.42		0	
	3	2	24.29	24.49	24.32		0	
	3	3	24.40	24.51	24.31		0	
16QAM	6	0	23.39	23.61	23.44	0-1	1	
	1	0	23.25	23.60	23.55		1	
	1	2	23.37	23.80	23.72		1	
	1	5	23.33	23.68	23.59	0-1	1	
	3	0	23.49	23.50	23.41		1	
	3	2	23.38	23.58	23.37		1	
64QAM	3	3	23.31	23.63	23.40	0-2	1	
	6	0	22.36	22.53	22.43		2	
	1	0	22.37	22.77	22.57		0-2	2
	1	2	22.57	22.72	22.43	2		
	1	5	22.41	22.67	22.47	2		
	3	0	22.31	22.55	22.41	0-3	2	
3	2	22.30	22.52	22.36	2			
3	3	22.39	22.55	22.36	2			
256QAM	6	0	21.38	21.65	21.42	0-3	3	
	1	0	19.43	19.79	19.59		0-5	5
	1	2	19.44	19.93	19.58			5
	1	5	19.48	19.85	19.53	5		
	3	0	19.40	19.57	19.31	5		
	3	2	19.20	19.52	19.28	5		
3	3	19.30	19.56	19.30	5			
6	0	19.30	19.57	19.40	5			

H.1.6 LTE Band 5

Table H-16
LTE Band 5 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode –
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]	
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	24.55	24.54	24.26	0	0	
	1	12	24.62	24.45	24.36		0	
	1	24	24.55	24.58	24.34		0	
	12	0	23.56	23.56	23.40		0-1	1
	12	6	23.56	23.55	23.38			1
	12	13	23.57	23.53	23.37			1
16QAM	25	0	23.55	23.57	23.38	0-1	1	
	1	0	23.66	23.85	23.62		1	
	1	12	23.60	23.79	23.54		0-2	1
	1	24	23.65	23.82	23.54	1		
	12	0	22.53	22.52	22.33	2		
	12	6	22.55	22.53	22.28	0-2	2	
12	13	22.51	22.52	22.30	2			
25	0	22.54	22.55	22.31	2			
64QAM	1	0	22.75	22.75	22.53	0-2	2	
	1	12	22.65	22.68	22.52		2	
	1	24	22.67	22.71	22.51		0-3	2
	12	0	21.51	21.56	21.41	3		
	12	6	21.50	21.57	21.39	3		
	12	13	21.51	21.56	21.38	0-3	3	
25	0	21.55	21.55	21.36	3			
256QAM	1	0	19.57	19.77	19.41		0-5	5
	1	12	19.56	19.72	19.34	5		
	1	24	19.52	19.73	19.37	5		
	12	0	19.56	19.60	19.37	5		
	12	6	19.56	19.60	19.36	5		
	12	13	19.55	19.61	19.32	5		
25	0	19.54	19.55	19.35	5			

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 7 of 156

Table H-17
LTE Band 5 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode –
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	24.50	24.59	24.31	0	0
	1	7	24.28	24.62	24.39		0
	1	14	24.56	24.63	24.31		0
	8	0	23.58	23.63	23.43	0-1	1
	8	4	23.55	23.59	23.38		1
	8	7	23.52	23.60	23.43		1
16QAM	15	0	23.55	23.56	23.37	0-1	1
	1	0	23.72	23.58	23.58		1
	1	7	23.63	23.45	23.53		1
	1	14	23.63	23.46	23.56	0-2	1
	8	0	22.46	22.57	22.36		2
	8	4	22.51	22.53	22.38		2
64QAM	8	7	22.43	22.55	22.39	0-2	2
	15	0	22.55	22.55	22.37		2
	1	0	22.46	22.57	22.45		0-2
	1	7	22.54	22.55	22.31	2	
	1	14	22.47	22.65	22.53	2	
	256QAM	8	0	21.56	21.56	21.43	0-3
8		4	21.55	21.53	21.32	3	
8		7	21.54	21.57	21.37	3	
15		0	21.57	21.58	21.33	0-5	3
1		0	19.55	19.75	19.55		5
1		7	19.41	19.66	19.38		5
256QAM	1	14	19.48	19.68	19.44	0-5	5
	8	0	19.52	19.56	19.41		5
	8	4	19.52	19.47	19.43		5
	8	7	19.50	19.55	19.39	5	
	15	0	19.53	19.61	19.40	5	

Table H-18
LTE Band 5 (Cell) Measured P_{Max} for Free, RCV Active, Hotspot Mode –
3 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	24.49	24.57	24.47	0	0
	1	2	24.58	24.20	24.26		0
	1	5	24.47	24.56	24.48		0
	3	0	24.57	24.56	24.42	0-1	0
	3	2	24.49	24.48	24.32		0
	3	3	24.53	24.48	24.28		0
16QAM	6	0	23.53	23.61	23.43	0-1	1
	1	0	23.59	23.61	23.35		1
	1	2	23.65	23.62	23.48		1
	1	5	23.57	23.66	23.38	0-1	1
	3	0	23.63	23.44	23.40		1
	3	2	23.47	23.44	23.39		1
64QAM	3	3	23.39	23.47	23.37	0-2	1
	6	0	22.63	22.56	22.42		2
	1	0	22.64	22.57	22.63		2
	1	2	22.86	22.54	22.41	0-2	2
	1	5	22.48	22.50	22.53		2
	3	0	22.53	22.56	22.51		2
256QAM	3	2	22.50	22.50	22.43	0-3	2
	3	3	22.56	22.53	22.30		2
	6	0	21.54	21.58	21.32		3
	1	0	19.62	19.67	19.49	0-5	5
	1	2	19.51	19.71	19.56		5
	1	5	19.68	19.64	19.46		5
256QAM	3	0	19.59	19.55	19.37	0-5	5
	3	2	19.49	19.42	19.31		5
	3	3	19.49	19.49	19.24		5
	6	0	19.44	19.58	19.31	5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 8 of 156

H.1.7 LTE Band 66 Antenna B

Table H-19
LTE Band 66 (AWS) Measured P_{limit} for RCV Active – 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.36	23.36	22.99	0	0
	1	36	23.37	23.28	22.97		0
	1	74	23.41	23.33	23.05		0
	36	0	22.50	22.32	22.11	0-1	0.5
	36	18	22.52	22.30	22.11		0.5
	36	37	22.49	22.28	22.10		0.5
	75	0	22.50	22.32	22.10		0.5
16QAM	1	0	22.54	22.58	22.60	0-1	0.5
	1	36	22.48	22.49	22.47		0.5
	1	74	22.56	22.53	22.51		0.5
	36	0	21.59	21.35	21.11	0-2	1.5
	36	18	21.58	21.31	21.09		1.5
	36	37	21.55	21.28	21.06		1.5
	75	0	21.52	21.28	21.08		1.5
64QAM	1	0	21.73	21.61	21.17	0-2	1.5
	1	36	21.62	21.53	21.01		1.5
	1	74	21.60	21.60	21.07		1.5
	36	0	20.57	20.33	20.13	0-3	2.5
	36	18	20.55	20.30	20.10		2.5
	36	37	20.51	20.27	20.08		2.5
	75	0	20.45	20.24	20.03		2.5
256QAM	1	0	18.59	18.42	18.45	0-5	4.5
	1	36	18.44	18.29	18.33		4.5
	1	74	18.48	18.33	18.36		4.5
	36	0	18.38	18.16	18.02		4.5
	36	18	18.33	18.12	18.01		4.5
	36	37	18.33	18.11	17.99		4.5
	75	0	18.32	18.14	17.94		4.5

Table H-20
LTE Band 66 (AWS) Measured P_{limit} for RCV Active – 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.40	23.15	23.07	0	0
	1	25	23.40	23.18	23.04		0
	1	49	23.47	23.26	23.11		0
	25	0	22.54	22.33	22.17	0-1	0.5
	25	12	22.50	22.33	22.15		0.5
	25	25	22.51	22.31	22.16		0.5
	50	0	22.53	22.34	22.17		0.5
16QAM	1	0	22.79	22.54	22.43	0-1	0.5
	1	25	22.70	22.41	22.46		0.5
	1	49	22.79	22.45	22.42		0.5
	25	0	21.59	21.43	21.19	0-2	1.5
	25	12	21.56	21.39	21.14		1.5
	25	25	21.56	21.36	21.16		1.5
	50	0	21.51	21.36	21.12		1.5
64QAM	1	0	21.48	21.48	21.35	0-2	1.5
	1	25	21.40	21.31	21.23		1.5
	1	49	21.51	21.30	21.21		1.5
	25	0	20.55	20.33	20.14	0-3	2.5
	25	12	20.52	20.28	20.12		2.5
	25	25	20.51	20.30	20.10		2.5
	50	0	20.51	20.30	20.13		2.5
256QAM	1	0	18.43	18.29	18.38	0-5	4.5
	1	25	18.32	18.16	18.27		4.5
	1	49	18.39	18.44	18.40		4.5
	25	0	18.41	18.27	18.09		4.5
	25	12	18.38	18.19	18.05		4.5
	25	25	18.35	18.20	18.05		4.5
	50	0	18.36	18.14	18.03		4.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 9 of 156

Table H-21
LTE Band 66 (AWS) Measured P_{limit} for RCV Active – 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.40	23.19	23.00	0	0
	1	12	23.36	23.32	23.14		0
	1	24	23.51	23.30	23.13		0
	12	0	22.52	22.32	22.17	0-1	0.5
	12	6	22.54	22.33	22.16		0.5
	12	13	22.52	22.33	22.14		0.5
16QAM	25	0	22.56	22.34	22.20	0-1	0.5
	1	0	22.86	22.48	22.50		0.5
	1	12	22.80	22.46	22.49		0.5
	1	24	22.80	22.55	22.48	0-2	0.5
	12	0	21.64	21.36	21.18		1.5
	12	6	21.64	21.33	21.19		1.5
64QAM	12	13	21.63	21.35	21.20	0-2	1.5
	25	0	21.54	21.28	21.17		1.5
	1	0	21.67	21.53	21.09		0-2
	1	12	21.66	21.58	21.11	1.5	
	1	24	21.58	21.60	21.13	1.5	
	256QAM	12	0	20.44	20.32	20.10	0-3
12		6	20.46	20.30	20.09	2.5	
12		13	20.42	20.28	20.07	2.5	
25		0	20.48	20.33	20.13	0-5	2.5
1		0	18.72	18.25	17.91		4.5
1		12	18.63	18.17	17.74		4.5
256QAM	1	24	18.65	18.19	17.82	0-5	4.5
	12	0	18.45	18.18	18.04		4.5
	12	6	18.43	18.14	18.00		4.5
	12	13	18.41	18.15	17.97	4.5	
	25	0	18.36	18.19	18.03	4.5	

Table H-22
LTE Band 66 (AWS) Measured P_{limit} for RCV Active – 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.47	23.21	23.00	0	0
	1	7	23.55	23.05	23.10		0
	1	14	23.55	23.34	23.05		0
	8	0	22.54	22.29	22.18	0-1	0.5
	8	4	22.51	22.29	22.16		0.5
	8	7	22.53	22.29	22.15		0.5
16QAM	15	0	22.54	22.32	22.17	0-1	0.5
	1	0	22.69	22.36	22.36		0.5
	1	7	22.66	22.34	22.31		0.5
	1	14	22.65	22.30	22.40	0-2	0.5
	8	0	21.66	21.38	21.19		1.5
	8	4	21.56	21.33	21.19		1.5
64QAM	8	7	21.62	21.37	21.17	0-2	1.5
	15	0	21.57	21.34	21.13		1.5
	1	0	21.60	21.28	21.32		0-2
	1	7	21.56	21.22	21.29	1.5	
	1	14	21.58	21.20	21.33	1.5	
	256QAM	8	0	20.52	20.26	20.21	0-3
8		4	20.52	20.27	20.17	2.5	
8		7	20.49	20.26	20.17	2.5	
15		0	20.57	20.27	20.04	0-5	2.5
1		0	18.46	18.35	18.34		4.5
1		7	18.30	18.14	18.12		4.5
256QAM	1	14	18.32	18.14	18.28	0-5	4.5
	8	0	18.51	18.22	18.08		4.5
	8	4	18.43	18.18	18.08		4.5
	8	7	18.39	18.18	18.03	4.5	
	15	0	18.43	18.18	18.07	4.5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 10 of 156

Table H-23
LTE Band 66 (AWS) Measured P_{limit} for RCV Active – 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.54	23.25	23.16	0	0
	1	2	23.15	23.40	22.99		0
	1	5	23.59	23.30	23.25		0
	3	0	23.67	23.38	23.27		0
	3	2	23.53	23.34	23.17		0
	3	3	23.56	23.37	23.13		0
	6	0	22.57	22.34	22.18		0-1
16QAM	1	0	22.69	22.45	22.42	0-1	0.5
	1	2	22.63	22.64	22.52		0.5
	1	5	22.70	22.57	22.50		0.5
	3	0	22.65	22.53	22.29		0.5
	3	2	22.63	22.35	22.29		0.5
	3	3	22.70	22.32	22.28		0.5
	6	0	21.62	21.37	21.24		0-2
64QAM	1	0	21.84	21.52	21.44	0-2	1.5
	1	2	21.63	21.81	21.38		1.5
	1	5	21.75	21.58	21.50		1.5
	3	0	21.66	21.28	21.34		1.5
	3	2	21.54	21.28	21.18		1.5
	3	3	21.56	21.34	21.29		1.5
	6	0	20.58	20.35	20.24		0-3
256QAM	1	0	18.54	18.49	18.30	0-5	4.5
	1	2	18.59	18.50	18.42		4.5
	1	5	18.45	18.43	18.14		4.5
	3	0	18.49	18.30	18.09		4.5
	3	2	18.44	18.15	17.85		4.5
	3	3	18.37	18.16	17.94		4.5
	6	0	18.36	18.18	18.04		4.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 11 of 156

Table H-24
LTE Band 66 (AWS) Measured P_{Limit} for Hotspot Mode– 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.49	18.29	18.05	0	0	
	1	36	18.41	18.19	17.98		0	
	1	74	18.46	18.34	18.08		0	
	16QAM	36	0	18.56	18.35	18.09	0-1	0
		36	18	18.51	18.36	18.11		0
		36	37	18.50	18.37	18.10		0
		64QAM	75	0	18.51	18.30	18.07	0-1
1			0	18.78	18.54	18.25	0	
1			36	18.63	18.47	18.15	0	
256QAM			1	74	18.69	18.51	18.28	0-1
	36		0	18.56	18.36	18.12	0	
	36		18	18.54	18.31	18.08	0	
	16QAM		36	37	18.54	18.31	18.07	0-2
		75	0	18.50	18.30	18.07	0	
		1	0	18.80	18.53	18.25	0	
		64QAM	1	36	18.59	18.40	18.19	0-2
1			74	18.72	18.51	18.27	0	
36			0	18.58	18.38	18.10	0	
256QAM			36	18	18.58	18.35	18.10	0-3
	36		37	18.57	18.34	18.11	0	
	75		0	18.55	18.31	18.08	0	
	16QAM		1	0	18.27	18.00	17.79	0-5
		1	36	18.15	17.84	17.66	0.5	
		1	74	18.11	18.00	17.79	0.5	
		64QAM	36	0	18.13	17.94	17.70	0-5
36			18	18.17	17.96	17.72	0.5	
36			37	18.16	17.94	17.68	0.5	
256QAM			75	0	18.12	17.90	17.70	0-5

Table H-25
LTE Band 66 (AWS) Measured P_{Limit} for Hotspot Mode– 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.54	18.33	18.14	0	0	
	1	25	18.44	18.17	17.96		0	
	1	49	18.50	18.24	18.06		0	
	16QAM	25	0	18.55	18.32	18.13	0-1	0
		25	12	18.52	18.31	18.12		0
		25	25	18.54	18.30	18.10		0
		64QAM	50	0	18.56	18.30	18.08	0-1
1			0	18.84	18.42	18.28	0	
1			25	18.74	18.44	18.06	0	
256QAM			1	49	18.71	18.48	18.32	0-1
	25		0	18.58	18.32	18.13	0	
	25		12	18.58	18.36	18.14	0	
	16QAM		25	25	18.56	18.34	18.09	0-2
		50	0	18.56	18.32	18.10	0	
		1	0	18.71	18.53	18.18	0	
		64QAM	1	25	18.63	18.47	18.25	0-2
1			49	18.75	18.47	18.32	0	
25			0	18.52	18.32	18.13	0	
256QAM			25	12	18.51	18.31	18.11	0-3
	25		25	18.53	18.28	18.08	0	
	50		0	18.54	18.33	18.14	0	
	16QAM		1	0	18.24	18.01	17.85	0-5
		1	25	18.10	17.88	17.70	0.5	
		1	49	18.24	17.99	17.81	0.5	
		64QAM	25	0	18.16	17.91	17.72	0-5
25			12	18.13	17.93	17.68	0.5	
25			25	18.12	17.96	17.69	0.5	
256QAM			50	0	18.13	17.92	17.71	0-5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 12 of 156

Table H-26
LTE Band 66 (AWS) Measured P_{Limit} for Hotspot Mode– 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.46	18.23	18.05	0	0	
	1	12	18.60	18.42	18.18		0	
	1	24	18.54	18.32	18.10		0	
	12	0	18.52	18.35	18.13	0-1	0	
	12	6	18.56	18.33	18.14		0	
	12	13	18.50	18.31	18.12		0	
16QAM	25	0	18.53	18.32	18.10	0-1	0	
	1	0	18.80	18.49	18.30		0	
	1	12	18.63	18.26	18.05		0	
	1	24	18.59	18.46	18.33	0-2	0	
	12	0	18.57	18.33	18.16		0	
	12	6	18.62	18.35	18.18		0	
64QAM	12	13	18.62	18.37	18.10	0-2	0	
	25	0	18.56	18.34	18.11		0	
	1	0	18.62	18.49	18.25		0	
	1	12	18.89	18.52	18.24	0-2	0	
	1	24	18.61	18.52	18.31		0	
	12	0	18.58	18.36	18.15		0-3	0
12	6	18.62	18.36	18.15	0			
12	13	18.60	18.37	18.09	0			
256QAM	25	0	18.54	18.31	18.08	0-3	0	
	1	0	18.22	18.01	17.79		0-5	0.5
	1	12	18.29	18.22	17.80			0.5
	1	24	18.23	18.07	17.65	0.5		
	12	0	18.20	17.91	17.72	0.5		
	12	6	18.13	17.95	17.68	0.5		
12	13	18.16	17.90	17.72	0.5			
25	0	18.16	17.93	17.72	0.5			

Table H-27
LTE Band 66 (AWS) Measured P_{Limit} for Hotspot Mode– 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.51	18.30	18.09	0	0
	1	7	18.56	18.37	18.17		0
	1	14	18.44	18.21	18.02		0
	8	0	18.55	18.31	18.10	0-1	0
	8	4	18.50	18.30	18.08		0
	8	7	18.59	18.33	18.09		0
16QAM	15	0	18.58	18.36	18.11	0-1	0
	1	0	18.85	18.50	18.09		0
	1	7	18.42	18.48	18.03		0
	1	14	18.72	18.48	18.31	0-2	0
	8	0	18.66	18.41	18.18		0
	8	4	18.59	18.39	18.14		0
64QAM	8	7	18.59	18.41	18.21	0-2	0
	15	0	18.62	18.33	18.12		0
	1	0	18.74	18.41	18.22		0-2
	1	7	18.83	18.60	18.35	0	
	1	14	18.65	18.48	18.21	0	
	256QAM	8	0	18.62	18.31	18.09	0-3
8		4	18.61	18.39	18.11	0	
8		7	18.61	18.37	18.11	0	
15		0	18.60	18.35	18.12	0-5	0
1		0	18.27	17.98	17.69		0.5
1		7	18.26	18.05	17.84		0.5
1	14	18.18	18.02	17.75	0.5		
8	0	18.21	17.95	17.71	0.5		
8	4	18.12	17.90	17.66	0.5		
8	7	18.18	17.95	17.68	0.5		
15	0	18.17	17.92	17.70	0.5		

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 13 of 156

Table H-28
LTE Band 66 (AWS) Measured P_{Limit} for Hotspot Mode– 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.52	18.28	18.07	0	0
	1	2	18.55	18.32	18.07		0
	1	5	18.53	18.31	18.08		0
	3	0	18.54	18.31	18.06		0
	3	2	18.58	18.33	18.07		0
	3	3	18.55	18.34	18.05		0
16QAM	6	0	18.62	18.32	18.11	0-1	0
	1	0	18.86	18.48	18.30	0-1	0
	1	2	18.82	18.41	18.27		0
	1	5	18.88	18.59	18.34		0
	3	0	18.70	18.42	18.11		0
	3	2	18.71	18.43	18.20		0
3	3	18.73	18.44	18.16	0		
64QAM	6	0	18.69	18.41	18.23	0-2	0
	1	0	18.71	18.46	18.24	0-2	0
	1	2	18.79	18.43	18.23		0
	1	5	18.70	18.60	18.28		0
	3	0	18.65	18.42	18.18		0
	3	2	18.66	18.45	18.18		0
3	3	18.71	18.41	18.22	0		
256QAM	6	0	18.69	18.42	18.18	0-3	0
	1	0	18.32	18.06	17.82	0-5	0.5
	1	2	18.28	18.06	17.74		0.5
	1	5	18.32	18.15	17.81		0.5
	3	0	18.24	17.93	17.74		0.5
	3	2	18.25	18.00	17.76		0.5
3	3	18.29	17.99	17.72	0.5		
	6	0	18.22	18.02	17.72		0.5

Table H-29
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode– 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	20.85	20.72	20.46	0	0	
	1	36	20.83	20.66	20.42		0	
	1	74	20.93	20.73	20.53		0	
	36	0	20.95	20.82	20.58		0-1	0
	36	18	20.98	20.82	20.59			0
	36	37	20.98	20.81	20.54			0
16QAM	75	0	20.95	20.81	20.55	0-1	0	
	1	0	21.27	20.94	20.85		0	
	1	36	21.11	20.89	20.71		0	
	1	74	21.15	21.00	20.68		0-2	0
	36	0	21.02	20.85	20.64			0
	36	18	20.95	20.82	20.61			0
64QAM	36	37	21.01	20.83	20.58	0-2	0	
	75	0	20.98	20.80	20.59		0	
	1	0	21.21	20.96	20.75		0-3	0
	1	36	21.09	20.93	20.75			0
	1	74	21.09	20.99	20.65			0
	36	0	20.01	19.87	19.66		1	
256QAM	36	18	20.05	19.85	19.59	0-3	1	
	36	37	19.99	19.83	19.57		1	
	75	0	19.97	19.79	19.58		1	
	1	0	18.10	17.92	17.67		0-5	3
	1	36	17.96	17.86	17.64			3
	1	74	18.02	17.87	17.58			3
36	0	17.90	17.74	17.51	3			
36	18	17.88	17.71	17.48	3			
36	37	17.85	17.70	17.44	3			
	75	0	17.84	17.67	17.45		3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 14 of 156

Table H-30
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode– 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.89	20.73	20.56	0	0
	1	25	20.75	20.64	20.43		0
	1	49	20.80	20.70	20.49		0
	25	0	20.89	20.78	20.58	0-1	0
	25	12	20.87	20.77	20.58		0
	25	25	20.90	20.76	20.56		0
16QAM	50	0	20.87	20.78	20.57	0-1	0
	1	0	21.15	20.99	20.79		0
	1	25	21.07	20.87	20.74		0
	1	49	21.15	20.97	20.78	0-2	0
	25	0	20.93	20.81	20.62		0
	25	12	20.91	20.82	20.62		0
64QAM	25	25	20.91	20.79	20.61	0-2	0
	50	0	20.95	20.82	20.60		0
	1	0	21.20	20.93	20.74		0-2
	1	25	20.99	20.82	20.68	0	
	1	49	21.10	21.07	20.76	0	
	256QAM	25	0	19.90	19.83	19.61	0-3
25		12	19.87	19.76	19.54	1	
25		25	19.87	19.77	19.58	1	
50		0	19.92	19.78	19.57	0-5	1
1		0	17.96	17.82	17.63		3
1		25	17.86	17.78	17.59		3
256QAM	1	49	17.98	17.84	17.63	0-5	3
	25	0	17.80	17.67	17.48		3
	25	12	17.79	17.65	17.45		3
	25	25	17.81	17.66	17.46	3	
	50	0	17.74	17.63	17.44	3	

Table H-31
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode–5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.75	20.61	20.47	0	0
	1	12	20.86	20.81	20.58		0
	1	24	20.85	20.80	20.56		0
	12	0	20.83	20.79	20.57	0-1	0
	12	6	20.85	20.74	20.53		0
	12	13	20.84	20.81	20.59		0
16QAM	25	0	20.85	20.79	20.58	0-1	0
	1	0	21.17	21.05	20.85		0
	1	12	21.00	20.90	20.78		0
	1	24	21.18	20.89	20.78	0-2	0
	12	0	20.98	20.82	20.63		0
	12	6	20.94	20.85	20.63		0
64QAM	12	13	20.98	20.84	20.60	0-2	0
	25	0	20.91	20.83	20.58		0
	1	0	21.15	21.01	20.72		0-2
	1	12	21.12	21.08	20.91	0	
	1	24	21.07	21.01	20.80	0	
	256QAM	12	0	19.95	19.86	19.61	0-3
12		6	19.93	19.82	19.64	1	
12		13	19.92	19.84	19.57	1	
25		0	19.84	19.76	19.53	0-5	1
1		0	18.00	17.84	17.67		3
1		12	17.91	17.82	17.55		3
256QAM	1	24	17.92	17.82	17.66	0-5	3
	12	0	17.81	17.67	17.50		3
	12	6	17.80	17.69	17.44		3
	12	13	17.77	17.72	17.44	3	
	25	0	17.76	17.64	17.46	3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 15 of 156

Table H-32
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode– 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.67	20.67	20.48	0	0
	1	7	20.76	20.70	20.55		0
	1	14	20.68	20.64	20.43		0
	8	0	20.77	20.76	20.57	0-1	0
	8	4	20.79	20.73	20.53		0
	8	7	20.84	20.81	20.60		0
16QAM	15	0	20.85	20.81	20.57	0-1	0
	1	0	20.91	20.89	20.81		0
	1	7	20.77	20.88	20.71		0
	1	14	21.02	20.85	20.76	0-2	0
	8	0	20.92	20.83	20.68		0
	8	4	20.94	20.85	20.64		0
64QAM	8	7	20.97	20.86	20.63	0-2	0
	15	0	20.92	20.82	20.62		0
	1	0	21.02	20.92	20.73		0-2
	1	7	21.08	21.09	20.78	0	
	1	14	20.99	20.88	20.64	0	
	256QAM	8	0	19.81	19.79	19.57	0-3
8		4	19.89	19.82	19.56	1	
8		7	19.90	19.78	19.56	1	
15		0	19.85	19.77	19.58	0-5	1
1		0	17.88	17.84	17.65		3
1		7	17.70	17.74	17.61		3
256QAM	1	14	17.91	17.67	17.66	0-5	3
	8	0	17.74	17.73	17.46		3
	8	4	17.74	17.67	17.46		3
	8	7	17.76	17.63	17.49	3	
	15	0	17.74	17.64	17.43	3	

Table H-33
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode– 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.89	20.77	20.57	0	0
	1	2	20.83	20.60	20.51		0
	1	5	20.88	20.74	20.58		0
	3	0	20.96	20.73	20.62	0-1	0
	3	2	20.96	20.79	20.63		0
	3	3	20.98	20.82	20.65		0
16QAM	6	0	21.00	20.85	20.69	0-1	0
	1	0	21.16	21.12	20.90		0
	1	2	21.12	21.03	20.94		0
	1	5	21.22	21.07	21.00	0-1	0
	3	0	21.05	20.86	20.75		0
	3	2	21.07	21.01	20.84		0
64QAM	3	3	21.02	20.98	20.84	0-2	0
	6	0	21.04	20.97	20.83		0
	1	0	21.20	20.97	20.91		0-2
	1	2	21.19	20.99	20.98	0	
	1	5	21.16	21.11	20.86	0	
	256QAM	3	0	20.57	20.43	20.35	0-3
3		2	20.55	20.40	20.38	0	
3		3	20.53	20.36	20.36	0	
6		0	20.50	20.32	20.30	0-5	1
1		0	17.96	17.90	17.76		3
1		2	17.98	17.97	17.66		3
256QAM	1	5	17.89	17.88	17.74	0-5	3
	3	0	17.89	17.83	17.68		3
	3	2	17.82	17.78	17.61		3
	3	3	17.85	17.83	17.65	3	
	6	0	17.82	17.77	17.58	3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 16 of 156

H.1.8 LTE Band 66 Antenna F

Table H-34
LTE Band 66 (AWS) Measured P_{Limit} for RCV Active, Hotspot Mode – 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.55	18.59	18.48	0	0
	1	36	18.60	18.55	18.48		0
	1	74	18.77	18.62	18.53		0
	36	0	18.73	18.75	18.60	0-1	0
	36	18	18.74	18.76	18.56		0
	36	37	18.77	18.72	18.58		0
	75	0	18.77	18.74	18.58		0
16QAM	1	0	18.88	18.87	18.58	0-1	0
	1	36	18.82	18.71	18.60		0
	1	74	18.82	18.78	18.64		0
	36	0	18.75	18.71	18.61	0-2	0
	36	18	18.74	18.70	18.56		0
	36	37	18.71	18.70	18.57		0
	75	0	18.72	18.69	18.53		0
64QAM	1	0	18.77	18.74	18.55	0-2	0
	1	36	18.73	18.73	18.54		0
	1	74	18.83	18.80	18.62		0
	36	0	18.73	18.73	18.56	0-3	0
	36	18	18.70	18.70	18.54		0
	36	37	18.72	18.70	18.59		0
	75	0	18.73	18.64	18.55		0
256QAM	1	0	17.76	17.79	17.74	0-5	1.3
	1	36	17.82	17.74	17.72		1.3
	1	74	17.93	17.71	17.71		1.3
	36	0	17.21	17.18	17.04		1.3
	36	18	17.23	17.15	17.06		1.3
	36	37	17.22	17.19	17.04		1.3
	75	0	17.18	17.18	17.04		1.3

Table H-35
LTE Band 66 (AWS) Measured P_{Limit} for RCV Active, Hotspot Mode – 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.58	18.61	18.60	0	0
	1	25	18.54	18.52	18.45		0
	1	49	18.58	18.57	18.51		0
	25	0	18.74	18.79	18.61	0-1	0
	25	12	18.72	18.75	18.60		0
	25	25	18.72	18.75	18.64		0
	50	0	18.81	18.85	18.59		0
16QAM	1	0	18.65	18.74	18.71	0-1	0
	1	25	18.80	18.68	18.64		0
	1	49	18.75	18.80	18.71		0
	25	0	18.71	18.75	18.62	0-2	0
	25	12	18.70	18.73	18.63		0
	25	25	18.72	18.71	18.63		0
	50	0	18.78	18.78	18.60		0
64QAM	1	0	18.71	18.66	18.63	0-2	0
	1	25	18.68	18.65	18.57		0
	1	49	18.77	18.71	18.60		0
	25	0	18.67	18.71	18.58	0-3	0
	25	12	18.68	18.70	18.60		0
	25	25	18.67	18.68	18.55		0
	50	0	18.77	18.77	18.63		0
256QAM	1	0	17.71	17.74	17.65	0-5	1.3
	1	25	17.69	17.65	17.61		1.3
	1	49	17.80	17.80	17.68		1.3
	25	0	17.15	17.18	17.08		1.3
	25	12	17.28	17.21	17.05		1.3
	25	25	17.27	17.18	17.08		1.3
	50	0	17.18	17.21	17.12		1.3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 17 of 156

Table H-36
LTE Band 66 (AWS) Measured P_{Limit} for RCV Active, Hotspot Mode –
5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.53	18.58	18.43	0	0
	1	12	18.71	18.64	18.55		0
	1	24	18.67	18.60	18.52		0
	12	0	18.66	18.69	18.56	0-1	0
	12	6	18.69	18.63	18.61		0
	12	13	18.69	18.69	18.56		0
16QAM	25	0	18.75	18.69	18.60	0-1	0
	1	0	18.72	18.78	18.61		0
	1	12	18.64	18.54	18.61		0
	1	24	18.80	18.84	18.75	0-2	0
	12	0	18.65	18.68	18.64		0
	12	6	18.68	18.69	18.61		0
64QAM	12	13	18.67	18.71	18.64	0-2	0
	25	0	18.73	18.70	18.58		0
	1	0	18.76	18.65	18.60		0-2
	1	12	18.76	18.58	18.57	0	
	1	24	18.72	18.74	18.54	0	
	256QAM	12	0	18.65	18.65	18.60	0-3
12		6	18.66	18.65	18.61	0	
12		13	18.70	18.65	18.57	0	
25		0	18.68	18.68	18.55	0-5	0
1		0	17.79	17.67	17.71		1.3
1		12	17.96	17.78	17.63		1.3
256QAM	1	24	17.89	17.74	17.60	0-5	1.3
	12	0	17.20	17.05	17.00		1.3
	12	6	17.22	17.07	17.04		1.3
	12	13	17.26	17.07	17.03	1.3	
	25	0	17.16	17.13	17.06	1.3	

Table H-37
LTE Band 66 (AWS) Measured P_{Limit} for RCV Active, Hotspot Mode –
3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.60	18.69	18.54	0	0
	1	7	18.78	18.68	18.61		0
	1	14	18.61	18.64	18.45		0
	8	0	18.66	18.66	18.58	0-1	0
	8	4	18.71	18.63	18.54		0
	8	7	18.78	18.68	18.62		0
16QAM	15	0	18.73	18.75	18.59	0-1	0
	1	0	18.60	18.81	18.77		0
	1	7	18.72	18.72	18.56		0
	1	14	18.79	18.79	18.70	0-2	0
	8	0	18.65	18.71	18.59		0
	8	4	18.75	18.69	18.56		0
64QAM	8	7	18.72	18.71	18.59	0-2	0
	15	0	18.69	18.69	18.57		0
	1	0	18.66	18.77	18.60		0-2
	1	7	18.81	18.78	18.50	0	
	1	14	18.76	18.81	18.54	0	
	256QAM	8	0	18.56	18.58	18.56	0-3
8		4	18.67	18.61	18.58	0	
8		7	18.73	18.66	18.55	0	
15		0	18.65	18.66	18.52	0-5	0
1		0	17.75	17.82	17.64		1.3
1		7	17.92	17.87	17.65		1.3
256QAM	1	14	17.86	17.86	17.56	0-5	1.3
	8	0	17.19	17.14	17.03		1.3
	8	4	17.27	17.08	17.00		1.3
	8	7	17.25	17.09	16.98	1.3	
	15	0	17.22	17.09	17.01	1.3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 18 of 156

Table H-38
LTE Band 66 (AWS) Measured P_{Limit} for RCV Active, Hotspot Mode –
1.4 MHz Bandwidth

LTE Band 66 (AWS)							
1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.64	18.65	18.59	0	0
	1	2	18.77	18.75	18.61		0
	1	5	18.74	18.71	18.55		0
	3	0	18.68	18.67	18.56		0
	3	2	18.68	18.69	18.55		0
	3	3	18.67	18.68	18.54		0
16QAM	6	0	18.72	18.70	18.55	0-1	0
	1	0	18.72	18.83	18.76	0-1	0
	1	2	18.57	18.73	18.51		0
	1	5	18.80	18.91	18.79		0
	3	0	18.73	18.69	18.61		0
	3	2	18.70	18.71	18.60		0
3	3	18.70	18.72	18.60	0		
64QAM	6	0	18.71	18.69	18.62	0-2	0
	1	0	18.83	18.79	18.56	0-2	0
	1	2	18.70	18.73	18.56		0
	1	5	18.87	18.74	18.51		0
	3	0	18.57	18.67	18.54		0
	3	2	18.69	18.74	18.59		0
3	3	18.66	18.66	18.55	0		
256QAM	6	0	18.64	18.67	18.56	0-3	0
	1	0	17.75	17.72	17.70	0-5	1.3
	1	2	17.81	17.77	17.67		1.3
	1	5	17.80	17.75	17.62		1.3
	3	0	17.77	17.76	17.63		1.3
	3	2	17.71	17.71	17.58		1.3
3	3	17.76	17.68	17.52	1.3		
	6	0	17.65	17.63	17.42		1.3

Table H-39
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode –
15 MHz Bandwidth

LTE Band 66 (AWS)								
15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	20.02	20.10	19.90	0	0	
	1	36	20.00	20.08	19.86		0	
	1	74	20.14	20.17	19.96		0	
	16QAM	36	0	20.19	20.26	20.02	0-1	0
		36	18	20.17	20.23	20.01		0
		36	37	20.22	20.26	20.04		0
75		0	20.15	20.24	20.00	0		
64QAM	1	0	20.38	20.26	20.11	0-1	0	
	1	36	20.10	20.25	19.98		0	
	1	74	20.35	20.40	20.22		0	
	256QAM	36	0	20.18	20.21	20.05	0-2	0
		36	18	20.18	20.25	20.02		0
		36	37	20.23	20.26	20.06		0
75		0	20.15	20.21	20.02	0		
64QAM	1	0	20.21	20.32	20.18	0-2	0	
	1	36	20.10	20.20	20.02		0	
	1	74	20.32	20.41	20.14		0	
	256QAM	36	0	19.62	19.71	19.51	0-3	0.8
		36	18	19.62	19.72	19.52		0.8
		36	37	19.68	19.73	19.52		0.8
256QAM	75	0	19.63	19.68	19.50	0-5	0.8	
	1	0	17.68	17.61	17.51		2.8	
	1	36	17.63	17.67	17.40		2.8	
	1	74	17.70	17.64	17.45		2.8	
	36	0	17.58	17.61	17.47		2.8	
	36	18	17.59	17.69	17.47		2.8	
	36	37	17.59	17.69	17.48	2.8		
	75	0	17.56	17.64	17.42		2.8	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 19 of 156

Table H-40
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode –
10 MHz Bandwidth

LTE Band 66 (AWS)							
10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.11	20.13	19.94	0	0
	1	25	20.01	20.04	19.88		0
	1	49	20.13	20.09	19.93		0
	25	0	20.22	20.24	20.02	0-1	0
	25	12	20.17	20.23	20.02		0
	25	25	20.22	20.28	20.03		0
16QAM	50	0	20.25	20.33	20.05	0-1	0
	1	0	20.22	20.24	20.15		0
	1	25	20.18	20.32	20.23		0
	1	49	20.37	20.33	20.19	0-2	0
	25	0	20.20	20.26	20.02		0
	25	12	20.18	20.25	20.03		0
64QAM	25	25	20.18	20.27	20.06	0-2	0
	50	0	20.27	20.31	20.07		0
	1	0	20.26	20.27	20.16		0-2
	1	25	20.08	20.19	20.10	0	
	1	49	20.29	20.31	20.20	0	
	256QAM	25	0	19.66	19.69	19.47	0-3
25		12	19.65	19.67	19.45	0.8	
25		25	19.68	19.64	19.47	0.8	
50		0	19.74	19.81	19.55	0-5	0.8
1		0	17.70	17.65	17.49		2.8
1		25	17.51	17.51	17.44		2.8
256QAM	1	49	17.69	17.74	17.46	0-5	2.8
	25	0	17.64	17.68	17.45		2.8
	25	12	17.61	17.65	17.45		2.8
	25	25	17.64	17.70	17.43	2.8	
	50	0	17.66	17.72	17.50	2.8	

Table H-41
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode –
5 MHz Bandwidth

LTE Band 66 (AWS)							
5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.07	20.03	19.88	0	0
	1	12	20.19	20.18	19.97		0
	1	24	20.21	20.16	19.94		0
	12	0	20.21	20.14	19.95	0-1	0
	12	6	20.20	20.16	19.98		0
	12	13	20.20	20.19	19.98		0
16QAM	25	0	20.29	20.25	20.03	0-1	0
	1	0	20.39	20.26	20.12		0
	1	12	20.09	20.16	20.07		0
	1	24	20.31	20.23	20.14	0-2	0
	12	0	20.21	20.18	20.04		0
	12	6	20.19	20.25	20.05		0
64QAM	12	13	20.21	20.17	19.98	0-2	0
	25	0	20.26	20.27	20.04		0
	1	0	20.28	20.30	20.13		0-2
	1	12	20.36	20.20	20.18	0	
	1	24	20.31	20.23	20.18	0	
	256QAM	12	0	19.64	19.64	19.55	0-3
12		6	19.61	19.66	19.51	0.8	
12		13	19.65	19.65	19.47	0.8	
25		0	19.68	19.64	19.44	0-5	0.8
1		0	17.78	17.58	17.46		2.8
1		12	17.70	17.65	17.50		2.8
256QAM	1	24	17.62	17.66	17.38	0-5	2.8
	12	0	17.56	17.58	17.41		2.8
	12	6	17.56	17.60	17.44		2.8
	12	13	17.52	17.58	17.37	2.8	
	25	0	17.64	17.63	17.44	2.8	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 20 of 156

Table H-42
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode –
3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.16	20.15	19.91	0	0
	1	7	20.21	20.16	19.95		0
	1	14	20.12	20.12	19.90		0
	8	0	20.18	20.21	19.94	0-1	0
	8	4	20.19	20.18	19.91		0
	8	7	20.17	20.21	19.98		0
16QAM	15	0	20.23	20.23	20.00	0-1	0
	1	0	20.30	20.27	20.13		0
	1	7	20.19	20.16	19.80		0
	1	14	20.33	20.28	20.11	0-2	0
	8	0	20.21	20.21	20.00		0
	8	4	20.23	20.21	20.04		0
64QAM	8	7	20.23	20.21	20.04	0-2	0
	15	0	20.17	20.20	19.99		0
	1	0	20.32	20.31	20.17		0-2
	1	7	20.39	20.28	19.99	0	
	1	14	20.26	20.26	20.12	0	
	256QAM	8	0	19.63	19.67	19.46	0-3
8		4	19.60	19.61	19.42	0.8	
8		7	19.64	19.63	19.52	0.8	
15		0	19.65	19.64	19.44	0-5	0.8
1		0	17.69	17.71	17.52		2.8
1		7	17.66	17.75	17.38		2.8
256QAM	1	14	17.72	17.67	17.49	0-5	2.8
	8	0	17.58	17.64	17.43		2.8
	8	4	17.59	17.58	17.37		2.8
	8	7	17.56	17.56	17.38	2.8	
	15	0	17.57	17.63	17.38	2.8	

Table H-43
LTE Band 66 (AWS) Measured P_{Limit} for Free Mode –
1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.19	20.07	19.91	0	0
	1	2	20.20	20.11	19.95		0
	1	5	20.21	20.17	19.95		0
	3	0	20.26	20.16	19.99	0-1	0
	3	2	20.24	20.19	19.97		0
	3	3	20.28	20.22	19.97		0
16QAM	6	0	20.31	20.24	20.04	0-1	0
	1	0	20.42	20.27	20.10		0
	1	2	20.48	20.31	20.12		0
	1	5	20.49	20.34	20.06	0-1	0
	3	0	20.28	20.26	20.10		0
	3	2	20.23	20.30	20.12		0
64QAM	3	3	20.33	20.26	20.02	0-2	0
	6	0	20.34	20.27	20.11		0
	1	0	20.37	20.27	20.16		0-2
	1	2	20.38	20.27	20.19	0	
	1	5	20.27	20.40	20.17	0	
	256QAM	3	0	20.22	20.18	20.06	0-3
3		2	20.27	20.25	20.03	0	
3		3	20.29	20.27	20.11	0	
6		0	19.95	20.13	19.86	0-5	0.8
1		0	17.68	17.66	17.57		2.8
1		2	17.77	17.60	17.70		2.8
256QAM	1	5	17.67	17.66	17.59	0-5	2.8
	3	0	17.70	17.61	17.45		2.8
	3	2	17.67	17.60	17.49		2.8
	3	3	17.65	17.67	17.47	2.8	
	6	0	17.63	17.57	17.43	2.8	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 21 of 156

H.1.9 LTE Band 25 Antenna B

Table H-44

LTE Band 25 (PCS) Antenna B Measured P_{Max} for RCV Active – 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.32	23.26	22.82	0	0
	1	36	23.25	23.18	22.81		0
	1	74	23.34	23.26	22.87		0
	36	0	22.41	22.22	21.97	0-1	1
	36	18	22.40	22.23	21.96		1
	36	37	22.41	22.19	21.94		1
	75	0	22.40	22.19	21.97		1
16QAM	1	0	22.52	22.30	22.28	0-1	1
	1	36	22.46	22.19	22.12		1
	1	74	22.56	22.26	22.18		1
	36	0	21.44	21.19	20.94	0-2	2
	36	18	21.41	21.19	20.90		2
	36	37	21.40	21.17	20.90		2
	75	0	21.36	21.14	20.94		2
64QAM	1	0	21.44	21.48	21.15	0-2	2
	1	36	21.32	21.38	20.99		2
	1	74	21.39	21.49	21.04		2
	36	0	20.41	20.16	19.96	0-3	3
	36	18	20.40	20.14	19.94		3
	36	37	20.39	20.14	19.92		3
	75	0	20.32	20.10	19.86		3
256QAM	1	0	18.26	18.19	18.10	0-5	5
	1	36	18.17	18.08	17.97		5
	1	74	18.27	18.13	18.02		5
	36	0	18.23	18.02	17.83		5
	36	18	18.20	18.00	17.81		5
	36	37	18.21	18.01	17.82		5
	75	0	18.21	18.00	17.80		5

Table H-45

LTE Band 25 (PCS) Antenna B Measured P_{Max} for RCV Active – 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	23.27	23.05	22.80	0	0
	1	25	23.27	23.04	22.83		0
	1	49	23.34	23.14	22.88		0
	25	0	22.40	22.19	21.93	0-1	1
	25	12	22.35	22.18	21.90		1
	25	25	22.37	22.18	21.92		1
	50	0	22.39	22.19	21.95		1
16QAM	1	0	22.55	22.40	22.35	0-1	1
	1	25	22.45	22.17	22.15		1
	1	49	22.52	22.29	22.26		1
	25	0	21.42	21.21	20.96	0-2	2
	25	12	21.35	21.16	20.90		2
	25	25	21.37	21.19	20.89		2
	50	0	21.35	21.15	20.91		2
64QAM	1	0	21.26	21.27	20.97	0-2	2
	1	25	21.22	21.07	20.91		2
	1	49	21.40	21.18	20.99		2
	25	0	20.38	20.12	19.89	0-3	3
	25	12	20.37	20.09	19.85		3
	25	25	20.35	20.08	19.85		3
	50	0	20.34	20.11	19.87		3
256QAM	1	0	18.30	18.09	18.14	0-5	5
	1	25	18.08	18.03	18.01		5
	1	49	18.20	18.03	18.19		5
	25	0	18.25	18.07	17.83		5
	25	12	18.24	18.04	17.79		5
	25	25	18.22	18.03	17.79		5
	50	0	18.20	18.02	17.77		5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 22 of 156

Table H-46
LTE Band 25 (PCS) Antenna B Measured P_{Max} for RCV Active – 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.26	23.06	22.72	0	0
	1	12	23.21	23.15	22.83		0
	1	24	23.37	23.16	22.92		0
	12	0	22.35	22.16	21.95	0-1	1
	12	6	22.37	22.17	21.93		1
	12	13	22.33	22.16	21.96		1
16QAM	25	0	22.37	22.18	21.97	0-1	1
	1	0	22.75	22.54	22.30		1
	1	12	22.59	22.37	22.20		1
	1	24	22.70	22.55	22.28	0-2	1
	12	0	21.42	21.16	20.98		2
	12	6	21.40	21.10	20.96		2
64QAM	12	13	21.42	21.11	20.94	0-2	2
	25	0	21.34	21.14	20.92		2
	1	0	21.64	21.49	20.70		0-2
	1	12	21.63	21.47	20.73	2	
	1	24	21.58	21.49	20.82	2	
	256QAM	12	0	20.27	20.15	19.86	0-3
12		6	20.25	20.12	19.83	3	
12		13	20.21	20.10	19.81	3	
25		0	20.26	20.11	19.81	0-5	3
1		0	18.42	18.14	17.76		5
1		12	18.41	18.05	17.58		5
256QAM	1	24	18.41	18.10	17.70	0-5	5
	12	0	18.22	18.01	17.75		5
	12	6	18.21	18.00	17.75		5
	12	13	18.20	17.99	17.73	5	
	25	0	18.19	18.01	17.74	5	

Table H-47
LTE Band 25 (PCS) Antenna B Measured P_{Max} for RCV Active – 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.31	23.07	22.74	0	0
	1	7	23.36	22.91	22.84		0
	1	14	23.39	23.20	22.84		0
	8	0	22.39	22.15	21.99	0-1	1
	8	4	22.34	22.15	21.95		1
	8	7	22.34	22.15	21.96		1
16QAM	15	0	22.35	22.18	21.96	0-1	1
	1	0	22.59	22.31	22.42		1
	1	7	22.53	22.21	22.39		1
	1	14	22.52	22.20	22.50	0-2	1
	8	0	21.42	21.25	21.04		2
	8	4	21.37	21.23	20.97		2
64QAM	8	7	21.31	21.17	20.98	0-2	2
	15	0	21.37	21.19	20.94		2
	1	0	21.42	21.22	21.12		0-2
	1	7	21.42	21.22	20.97	2	
	1	14	21.49	21.14	21.12	2	
	256QAM	8	0	20.32	20.05	19.90	0-3
8		4	20.25	20.00	19.89	3	
8		7	20.27	19.99	19.85	3	
15		0	20.32	20.07	19.74	0-5	3
1		0	18.24	18.04	18.22		5
1		7	18.34	18.11	18.11		5
256QAM	1	14	18.32	18.08	18.19	0-5	5
	8	0	18.28	18.03	17.84		5
	8	4	18.19	18.00	17.82		5
	8	7	18.22	17.99	17.81	5	
	15	0	18.31	18.01	17.77	5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 23 of 156

Table H-48
LTE Band 25 (PCS) Antenna B Measured P_{Max} for RCV Active – 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.29	23.09	22.90	0	0
	1	2	23.06	23.23	22.73		0
	1	5	23.33	23.12	22.97		0
	3	0	23.39	23.18	22.94		0
	3	2	23.35	23.15	22.89		0
	3	3	23.35	23.23	22.83		0
16QAM	6	0	22.32	22.14	21.96	0-1	1
	1	0	22.31	22.17	22.12	0-1	1
	1	2	22.25	22.41	22.37		1
	1	5	22.34	22.32	22.17		1
	3	0	22.38	22.34	22.15		1
	3	2	22.37	22.22	22.11		1
3	3	22.32	22.16	22.12	1		
64QAM	6	0	21.40	21.22	20.95	0-2	2
	1	0	21.66	21.40	21.22	0-2	2
	1	2	21.42	21.58	21.36		2
	1	5	21.51	21.44	21.25		2
	3	0	21.42	21.10	20.94		2
	3	2	21.38	21.00	20.90		2
3	3	21.37	21.18	21.00	2		
256QAM	6	0	20.34	20.07	19.94	0-3	3
	1	0	18.08	18.06	17.98	0-5	5
	1	2	18.10	18.15	18.13		5
	1	5	17.95	18.01	17.90		5
	3	0	18.21	18.06	17.84		5
	3	2	18.16	18.00	17.74		5
3	3	18.20	17.99	17.76	5		
	6	0	18.15	18.05	17.72		5

Table H-49
**LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Hotspot Mode–
 15 MHz Bandwidth**

LTE Band 25 (PCS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.49	18.29	18.05	0	0	
	1	36	18.41	18.19	17.98		0	
	1	74	18.46	18.34	18.08		0	
	36	0	18.56	18.35	18.09		0-1	0
	36	18	18.51	18.36	18.11			0
	36	37	18.50	18.37	18.10			0
16QAM	75	0	18.51	18.30	18.07	0-1	0	
	1	0	18.78	18.54	18.25		0	
	1	36	18.63	18.47	18.15		0	
	1	74	18.69	18.51	18.28		0-2	0
	36	0	18.56	18.36	18.12			0
	36	18	18.54	18.31	18.08			0
64QAM	36	37	18.54	18.31	18.07	0-2	0	
	75	0	18.50	18.30	18.07		0	
	1	0	18.80	18.53	18.25		0-2	0
	1	36	18.59	18.40	18.19			0
	1	74	18.72	18.51	18.27			0
	256QAM	36	0	18.58	18.38		18.10	0-3
36		18	18.58	18.35	18.10	0		
36		37	18.57	18.34	18.11	0		
75		0	18.55	18.31	18.08	0		
1		0	18.27	18.00	17.79	0-5	0.5	
1		36	18.15	17.84	17.66		0.5	
1	74	18.11	18.00	17.79	0.5			
36	0	18.13	17.94	17.70	0.5			
36	18	18.17	17.96	17.72	0.5			
36	37	18.16	17.94	17.68	0.5			
	75	0	18.12	17.90	17.70		0.5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 24 of 156

Table H-50
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Hotspot Mode–
10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.54	18.33	18.14	0	0
	1	25	18.44	18.17	17.96		0
	1	49	18.50	18.24	18.06		0
	25	0	18.55	18.32	18.13	0-1	0
	25	12	18.52	18.31	18.12		0
	25	25	18.54	18.30	18.10		0
	50	0	18.56	18.30	18.08		0
16QAM	1	0	18.84	18.42	18.28	0-1	0
	1	25	18.74	18.44	18.06		0
	1	49	18.71	18.48	18.32		0
	25	0	18.58	18.32	18.13	0-2	0
	25	12	18.58	18.36	18.14		0
	25	25	18.56	18.34	18.09		0
	50	0	18.56	18.32	18.10		0
64QAM	1	0	18.71	18.53	18.18	0-2	0
	1	25	18.63	18.47	18.25		0
	1	49	18.75	18.47	18.32		0
	25	0	18.52	18.32	18.13	0-3	0
	25	12	18.51	18.31	18.11		0
	25	25	18.53	18.28	18.08		0
	50	0	18.54	18.33	18.14		0
256QAM	1	0	18.24	18.01	17.85	0-5	0.5
	1	25	18.10	17.88	17.70		0.5
	1	49	18.24	17.99	17.81		0.5
	25	0	18.16	17.91	17.72		0.5
	25	12	18.13	17.93	17.68		0.5
	25	25	18.12	17.96	17.69		0.5
	50	0	18.13	17.92	17.71		0.5

Table H-51
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Hotspot Mode–
5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.46	18.23	18.05	0	0
	1	12	18.60	18.42	18.18		0
	1	24	18.54	18.32	18.10		0
	12	0	18.52	18.35	18.13	0-1	0
	12	6	18.56	18.33	18.14		0
	12	13	18.50	18.31	18.12		0
	25	0	18.53	18.32	18.10		0
16QAM	1	0	18.80	18.49	18.30	0-1	0
	1	12	18.63	18.26	18.05		0
	1	24	18.59	18.46	18.33		0
	12	0	18.57	18.33	18.16	0-2	0
	12	6	18.62	18.35	18.18		0
	12	13	18.62	18.37	18.10		0
	25	0	18.56	18.34	18.11		0
64QAM	1	0	18.62	18.49	18.25	0-2	0
	1	12	18.89	18.52	18.24		0
	1	24	18.61	18.52	18.31		0
	12	0	18.58	18.36	18.15	0-3	0
	12	6	18.62	18.36	18.15		0
	12	13	18.60	18.37	18.09		0
	25	0	18.54	18.31	18.08		0
256QAM	1	0	18.22	18.01	17.79	0-5	0.5
	1	12	18.29	18.22	17.80		0.5
	1	24	18.23	18.07	17.65		0.5
	12	0	18.20	17.91	17.72		0.5
	12	6	18.13	17.95	17.68		0.5
	12	13	18.16	17.90	17.72		0.5
	25	0	18.16	17.93	17.72		0.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 25 of 156

Table H-52
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Hotspot Mode–
3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.51	18.30	18.09	0	0
	1	7	18.56	18.37	18.17		0
	1	14	18.44	18.21	18.02		0
	8	0	18.55	18.31	18.10	0-1	0
	8	4	18.50	18.30	18.08		0
	8	7	18.59	18.33	18.09		0
16QAM	15	0	18.58	18.36	18.11	0-1	0
	1	0	18.85	18.50	18.09		0
	1	7	18.42	18.48	18.03		0
	1	14	18.72	18.48	18.31	0-2	0
	8	0	18.66	18.41	18.18		0
	8	4	18.59	18.39	18.14		0
64QAM	8	7	18.59	18.41	18.21	0-2	0
	15	0	18.62	18.33	18.12		0
	1	0	18.74	18.41	18.22		0-2
	1	7	18.83	18.60	18.35	0	
	1	14	18.65	18.48	18.21	0	
	256QAM	8	0	18.62	18.31	18.09	0-3
8		4	18.61	18.39	18.11	0	
8		7	18.61	18.37	18.11	0	
15		0	18.60	18.35	18.12	0-5	0
1		0	18.27	17.98	17.69		0.5
1		7	18.26	18.05	17.84		0.5
256QAM	1	14	18.18	18.02	17.75	0-5	0.5
	8	0	18.21	17.95	17.71		0.5
	8	4	18.12	17.90	17.66		0.5
	8	7	18.18	17.95	17.68	0.5	
	15	0	18.17	17.92	17.70	0.5	

Table H-53
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Hotspot Mode–
1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.52	18.28	18.07	0	0	
	1	2	18.55	18.32	18.07		0	
	1	5	18.53	18.31	18.08		0	
	3	0	18.54	18.31	18.06	0-1	0	
	3	2	18.58	18.33	18.07		0	
	3	3	18.55	18.34	18.05		0	
16QAM	6	0	18.62	18.32	18.11	0-1	0	
	1	0	18.86	18.48	18.30		0	
	1	2	18.82	18.41	18.27		0	
	1	5	18.88	18.59	18.34	0-1	0	
	3	0	18.70	18.42	18.11		0	
	3	2	18.71	18.43	18.20		0	
64QAM	3	3	18.73	18.44	18.16	0-2	0	
	6	0	18.69	18.41	18.23		0	
	1	0	18.71	18.46	18.24		0-2	0
	1	2	18.79	18.43	18.23	0		
	1	5	18.70	18.60	18.28	0		
	256QAM	3	0	18.65	18.42	18.18	0-2	0
3		2	18.66	18.45	18.18	0		
3		3	18.71	18.41	18.22	0		
6		0	18.69	18.42	18.18	0-3	0	
1		0	18.32	18.06	17.82		0-5	0.5
1		2	18.28	18.06	17.74			0.5
1	5	18.32	18.15	17.81	0.5			
3	0	18.24	17.93	17.74	0.5			
3	2	18.25	18.00	17.76	0.5			
3	3	18.29	17.99	17.72	0.5			
256QAM	6	0	18.22	18.02	17.72	0.5		

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 26 of 156

Table H-54
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Free –
15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.85	20.72	20.46	0	0
	1	36	20.83	20.66	20.42		0
	1	74	20.93	20.73	20.53		0
	36	0	20.95	20.82	20.58	0-1	0
	36	18	20.98	20.82	20.59		0
	36	37	20.98	20.81	20.54		0
	75	0	20.95	20.81	20.55		0
16QAM	1	0	21.27	20.94	20.85	0-1	0
	1	36	21.11	20.89	20.71		0
	1	74	21.15	21.00	20.68		0
	36	0	21.02	20.85	20.64	0-2	0
	36	18	20.95	20.82	20.61		0
	36	37	21.01	20.83	20.58		0
	75	0	20.98	20.80	20.59		0
64QAM	1	0	21.21	20.96	20.75	0-2	0
	1	36	21.09	20.93	20.75		0
	1	74	21.09	20.99	20.65		0
	36	0	20.01	19.87	19.66	0-3	1
	36	18	20.05	19.85	19.59		1
	36	37	19.99	19.83	19.57		1
	75	0	19.97	19.79	19.58		1
256QAM	1	0	18.10	17.92	17.67	0-5	3
	1	36	17.96	17.86	17.64		3
	1	74	18.02	17.87	17.58		3
	36	0	17.90	17.74	17.51	0-5	3
	36	18	17.88	17.71	17.48		3
	36	37	17.85	17.70	17.44		3
	75	0	17.84	17.67	17.45		3

Table H-55
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Free –
10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.89	20.73	20.56	0	0
	1	25	20.75	20.64	20.43		0
	1	49	20.80	20.70	20.49		0
	25	0	20.89	20.78	20.58	0-1	0
	25	12	20.87	20.77	20.58		0
	25	25	20.90	20.76	20.56		0
	50	0	20.87	20.78	20.57		0
16QAM	1	0	21.15	20.99	20.79	0-1	0
	1	25	21.07	20.87	20.74		0
	1	49	21.15	20.97	20.78		0
	25	0	20.93	20.81	20.62	0-2	0
	25	12	20.91	20.82	20.62		0
	25	25	20.91	20.79	20.61		0
	50	0	20.95	20.82	20.60		0
64QAM	1	0	21.20	20.93	20.74	0-2	0
	1	25	20.99	20.82	20.68		0
	1	49	21.10	21.07	20.76		0
	25	0	19.90	19.83	19.61	0-3	1
	25	12	19.87	19.76	19.54		1
	25	25	19.87	19.77	19.58		1
	50	0	19.92	19.78	19.57		1
256QAM	1	0	17.96	17.82	17.63	0-5	3
	1	25	17.86	17.78	17.59		3
	1	49	17.98	17.84	17.63		3
	25	0	17.80	17.67	17.48	0-5	3
	25	12	17.79	17.65	17.45		3
	25	25	17.81	17.66	17.46		3
	50	0	17.74	17.63	17.44		3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 27 of 156

Table H-56
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Free –
5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.75	20.61	20.47	0	0
	1	12	20.86	20.81	20.58		0
	1	24	20.85	20.80	20.56		0
	12	0	20.83	20.79	20.57	0-1	0
	12	6	20.85	20.74	20.53		0
	12	13	20.84	20.81	20.59		0
	25	0	20.85	20.79	20.58		0
16QAM	1	0	21.17	21.05	20.85	0-1	0
	1	12	21.00	20.90	20.78		0
	1	24	21.18	20.89	20.78		0
	12	0	20.98	20.82	20.63	0-2	0
	12	6	20.94	20.85	20.63		0
	12	13	20.98	20.84	20.60		0
	25	0	20.91	20.83	20.58		0
64QAM	1	0	21.15	21.01	20.72	0-2	0
	1	12	21.12	21.08	20.91		0
	1	24	21.07	21.01	20.80		0
	12	0	19.95	19.86	19.61	0-3	1
	12	6	19.93	19.82	19.64		1
	12	13	19.92	19.84	19.57		1
	25	0	19.84	19.76	19.53		1
256QAM	1	0	18.00	17.84	17.67	0-5	3
	1	12	17.91	17.82	17.55		3
	1	24	17.92	17.82	17.66		3
	12	0	17.81	17.67	17.50		3
	12	6	17.80	17.69	17.44		3
	12	13	17.77	17.72	17.44		3
	25	0	17.76	17.64	17.46		3

Table H-57
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Free –
3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.67	20.67	20.48	0	0
	1	7	20.76	20.70	20.55		0
	1	14	20.68	20.64	20.43		0
	8	0	20.77	20.76	20.57	0-1	0
	8	4	20.79	20.73	20.53		0
	8	7	20.84	20.81	20.60		0
	15	0	20.85	20.81	20.57		0
16QAM	1	0	20.91	20.89	20.81	0-1	0
	1	7	20.74	20.88	20.71		0
	1	14	21.02	20.83	20.76		0
	8	0	20.92	20.83	20.68	0-2	0
	8	4	20.94	20.85	20.64		0
	8	7	20.97	20.86	20.63		0
	15	0	20.92	20.82	20.62		0
64QAM	1	0	21.02	20.92	20.73	0-2	0
	1	7	21.08	21.09	20.78		0
	1	14	20.99	20.88	20.64		0
	8	0	19.81	19.79	19.57	0-3	1
	8	4	19.89	19.82	19.56		1
	8	7	19.90	19.78	19.56		1
	15	0	19.85	19.77	19.58		1
256QAM	1	0	17.88	17.84	17.65	0-5	3
	1	7	17.70	17.74	17.61		3
	1	14	17.91	17.67	17.66		3
	8	0	17.74	17.73	17.46		3
	8	4	17.74	17.67	17.46		3
	8	7	17.76	17.63	17.49		3
	15	0	17.74	17.64	17.43		3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 28 of 156

Table H-58
LTE Band 25 (PCS) Antenna B Measured P_{Limit} for Free –
1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.89	20.67	20.57	0	0
	1	2	20.83	20.60	20.51		0
	1	5	20.88	20.74	20.58		0
	3	0	20.96	20.73	20.62		0
	3	2	20.96	20.79	20.63		0
	3	3	20.98	20.82	20.65		0
16QAM	6	0	21.00	20.85	20.69	0-1	0
	1	0	21.16	21.12	20.90	0-1	0
	1	2	21.12	21.03	20.94		0
	1	5	21.22	21.07	21.00		0
	3	0	21.05	20.86	20.75		0
	3	2	21.07	21.01	20.84		0
3	3	21.02	20.98	20.84	0		
64QAM	6	0	21.04	20.97	20.83	0-2	0
	1	0	21.20	20.97	20.91	0-2	0
	1	2	21.19	20.99	20.98		0
	1	5	21.16	21.11	20.86		0
	3	0	21.07	20.98	20.78		0
	3	2	21.11	20.93	20.77		0
3	3	21.01	20.97	20.84	0		
256QAM	6	0	20.33	20.20	20.13	0-3	1
	1	0	17.96	17.90	17.76	0-5	3
	1	2	17.98	17.97	17.66		3
	1	5	17.89	17.88	17.74		3
	3	0	17.89	17.83	17.68		3
	3	2	17.82	17.78	17.61		3
3	3	17.85	17.83	17.65	3		
	6	0	17.82	17.77	17.58		3

H.1.10 LTE Band 25 Antenna F

Table H-59
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode–
15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.69	18.71	18.57	0	0	
	1	36	18.65	18.57	18.49		0	
	1	74	18.74	18.62	18.54		0	
	36	0	18.83	18.79	18.56		0	
	36	18	18.76	18.77	18.55		0-1	0
	36	37	18.78	18.78	18.53		0	
16QAM	75	0	18.78	18.82	18.53	0-1	0	
	1	0	18.81	18.84	18.80		0	
	1	36	18.84	18.80	18.70		0	
	1	74	18.96	18.79	18.63		0	
	36	0	18.75	18.76	18.54		0	
	36	18	18.78	18.72	18.56		0-2	0
64QAM	36	37	18.76	18.74	18.49	0-2	0	
	75	0	18.77	18.72	18.52		0	
	1	0	18.84	18.90	18.60		0-2	0
	1	36	18.82	18.72	18.50			0
	1	74	18.90	18.70	18.67			0
	36	0	18.74	18.75	18.54			0
36	18	18.78	18.77	18.56	0-3	0		
36	37	18.82	18.71	18.52	0			
256QAM	75	0	18.72	18.72	18.49	0-3	0	
	1	0	17.88	17.91	17.75		0-5	1.3
	1	36	17.92	17.70	17.66			1.3
	1	74	17.93	17.76	17.69			1.3
	36	0	17.15	17.13	16.93			1.3
	36	18	17.12	17.09	16.92			1.3
256QAM	36	37	17.14	17.06	16.87	1.3		
	75	0	17.09	17.10	16.86	1.3		

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 29 of 156

Table H-60
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode–
10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.74	18.71	18.42	0	0
	1	25	18.58	18.53	18.21		0
	1	49	18.71	18.70	18.38		0
	25	0	18.88	18.83	18.55	0-1	0
	25	12	18.83	18.80	18.46		0
	25	25	18.83	18.77	18.47		0
16QAM	50	0	18.91	18.90	18.55	0-1	0
	1	0	18.75	18.78	18.48		0
	1	25	18.67	18.64	18.37		0
	1	49	18.81	18.88	18.58	0-2	0
	25	0	18.81	18.76	18.54		0
	25	12	18.79	18.77	18.46		0
64QAM	25	25	18.81	18.73	18.44	0-2	0
	50	0	18.85	18.83	18.54		0
	1	0	18.79	18.81	18.50		0-2
	1	25	18.75	18.74	18.37	0	
	1	49	18.88	18.82	18.52	0	
	256QAM	25	0	18.79	18.79	18.48	0-3
25		12	18.75	18.73	18.40	0	
25		25	18.74	18.74	18.44	0	
50		0	18.86	18.82	18.50	0-5	0
1		0	17.87	17.83	17.58		1.3
1		25	17.79	17.74	17.34		1.3
256QAM	1	49	17.95	17.95	17.63	0-5	1.3
	25	0	17.19	17.13	16.88		1.3
	25	12	17.13	17.12	16.99		1.3
	25	25	17.12	17.10	16.97	1.3	
	50	0	17.17	17.18	16.90	1.3	

Table H-61
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode–
5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.66	18.66	18.35	0	0
	1	12	18.82	18.69	18.53		0
	1	24	18.66	18.66	18.59		0
	12	0	18.77	18.72	18.48	0-1	0
	12	6	18.77	18.72	18.51		0
	12	13	18.74	18.71	18.60		0
16QAM	25	0	18.85	18.79	18.66	0-1	0
	1	0	18.85	18.90	18.57		0
	1	12	18.67	18.79	18.31		0
	1	24	18.88	18.81	18.65	0-2	0
	12	0	18.69	18.68	18.45		0
	12	6	18.74	18.69	18.52		0
64QAM	12	13	18.72	18.68	18.63	0-2	0
	25	0	18.79	18.75	18.58		0
	1	0	18.83	18.87	18.55		0-2
	1	12	18.81	18.69	18.50	0	
	1	24	18.79	18.74	18.63	0	
	256QAM	12	0	18.71	18.65	18.45	0-3
12		6	18.70	18.64	18.50	0	
12		13	18.70	18.63	18.60	0	
25		0	18.70	18.68	18.53	0-5	0
1		0	17.81	17.79	17.61		1.3
1		12	17.73	17.79	17.67		1.3
256QAM	1	24	17.81	17.74	17.74	0-5	1.3
	12	0	17.11	17.14	16.95		1.3
	12	6	17.09	17.10	16.93		1.3
	12	13	17.11	17.09	17.00	1.3	
	25	0	17.25	17.18	17.05	1.3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 30 of 156

Table H-62
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode–
3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]		
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)				
Conducted Power [dBm]									
QPSK	1	0	18.75	18.67	18.47	0	0		
	1	7	18.78	18.69	18.62		0		
	1	14	18.63	18.55	18.51		0		
	QPSK	8	0	18.77	18.68	18.51	0-1	0	
		8	4	18.73	18.61	18.53		0	
		8	7	18.74	18.69	18.62		0	
		15	0	18.80	18.72	18.62		0	
16QAM		1	0	18.76	18.81	18.71		0-1	0
		1	7	18.75	18.70	18.75			0
	1	14	18.81	18.72	18.86	0			
	16QAM	8	0	18.74	18.64	18.50	0-2	0	
		8	4	18.76	18.71	18.57		0	
		8	7	18.75	18.67	18.62		0	
15		0	18.70	18.65	18.52	0			
64QAM	1	0	18.69	18.83	18.47	0-2	0		
	1	7	18.82	18.72	18.58		0		
	1	14	18.73	18.76	18.71		0		
	64QAM	8	0	18.66	18.65	18.49	0-3	0	
		8	4	18.63	18.60	18.52		0	
		8	7	18.69	18.60	18.59		0	
		15	0	18.70	18.63	18.55		0	
256QAM	1	0	17.78	17.82	17.56	0-5	1.3		
	1	7	17.76	17.83	17.77		1.3		
	1	14	17.81	17.80	17.60		1.3		
	8	0	17.47	17.42	17.27		1.3		
	8	4	17.45	17.38	17.28		1.3		
	8	7	17.46	17.39	17.31		1.3		
	15	0	17.45	17.42	17.28		1.3		

Table H-63
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode–
1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)			
Conducted Power [dBm]								
QPSK	1	0	18.30	18.80	18.58	0	0	
	1	2	18.45	18.83	18.60		0	
	1	5	18.40	18.78	18.65		0	
	QPSK	3	0	18.74	18.82	18.55	0	0
		3	2	18.29	18.78	18.60		0
		3	3	18.22	18.80	18.58		0
		6	0	18.20	18.86	18.68		0-1
16QAM	1	0	18.33	18.99	18.76	0-1	0	
	1	2	18.24	18.89	18.68		0	
	1	5	18.45	18.85	18.78		0	
	3	0	18.38	18.90	18.70		0	
	3	2	18.26	18.85	18.68		0	
	3	3	18.32	18.82	18.68		0	
64QAM	6	0	18.36	18.89	18.68	0-2	0	
	1	0	18.78	18.94	18.58	0-2	0	
	1	2	18.73	18.91	18.57		0	
	1	5	18.45	18.92	18.64		0	
	3	0	18.49	18.78	18.61		0	
	3	2	18.32	18.89	18.67		0	
3	3	18.22	18.83	18.65	0			
256QAM	6	0	18.40	18.88	18.64	0-3	0	
	1	0	17.42	17.96	17.74	0-5	1.3	
	1	2	17.22	17.99	17.74		1.3	
	1	5	17.68	17.93	17.72		1.3	
	3	0	17.14	17.93	17.66		1.3	
	3	2	17.41	17.95	17.74		1.3	
3	3	17.54	17.92	17.77	1.3			
6	0	17.24	17.98	17.70	1.3			

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 31 of 156

Table H-64
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for Free –
15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.95	21.04	20.79	0	0
	1	36	20.94	21.03	20.77		0
	1	74	21.06	21.09	20.81		0
	36	0	21.12	21.14	21.00	0-1	0
	36	18	21.14	21.15	20.95		0
	36	37	21.09	21.13	21.01		0
	75	0	21.09	21.13	20.98		0
16QAM	1	0	21.22	21.37	21.05	0-1	0
	1	36	21.24	21.20	21.03		0
	1	74	21.35	21.31	21.07		0
	36	0	20.58	20.63	20.50	0-2	0.8
	36	18	20.60	20.61	20.41		0.8
	36	37	20.60	20.59	20.43		0.8
	75	0	20.56	20.58	20.43		0.8
64QAM	1	0	20.52	20.80	20.64	0-2	0.8
	1	36	20.58	20.61	20.41		0.8
	1	74	20.70	20.75	20.42		0.8
	36	0	19.55	19.58	19.47	0-3	1.8
	36	18	19.60	19.57	19.46		1.8
	36	37	19.57	19.59	19.46		1.8
	75	0	19.52	19.53	19.40		1.8
256QAM	1	0	17.50	17.69	17.33	0-5	3.8
	1	36	17.49	17.52	17.16		3.8
	1	74	17.59	17.61	17.07		3.8
	36	0	17.51	17.56	17.43		3.8
	36	18	17.55	17.53	17.38		3.8
	36	37	17.53	17.53	17.38		3.8
	75	0	17.46	17.50	17.35		3.8

Table H-65
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for Free –
10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	21.00	21.11	21.01	0	0
	1	25	20.93	20.99	20.89		0
	1	49	20.94	20.98	20.82		0
	25	0	21.08	21.19	21.02	0-1	0
	25	12	21.07	21.18	21.09		0
	25	25	21.07	21.16	21.06		0
	50	0	21.17	21.24	21.11		0
16QAM	1	0	21.18	21.32	21.22	0-1	0
	1	25	21.22	21.31	21.12		0
	1	49	21.17	21.15	21.08		0
	25	0	20.61	20.67	20.55	0-2	0.8
	25	12	20.60	20.69	20.57		0.8
	25	25	20.57	20.63	20.60		0.8
	50	0	20.62	20.71	20.60		0.8
64QAM	1	0	20.64	20.68	20.62	0-2	0.8
	1	25	20.52	20.60	20.52		0.8
	1	49	20.60	20.57	20.42		0.8
	25	0	19.52	19.60	19.48	0-3	1.8
	25	12	19.54	19.57	19.52		1.8
	25	25	19.49	19.54	19.50		1.8
	50	0	19.59	19.68	19.59		1.8
256QAM	1	0	17.48	17.59	17.51	0-5	3.8
	1	25	17.44	17.40	17.39		3.8
	1	49	17.49	17.36	17.24		3.8
	25	0	17.51	17.55	17.43		3.8
	25	12	17.49	17.58	17.46		3.8
	25	25	17.49	17.55	17.47		3.8
	50	0	17.52	17.57	17.49		3.8

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 32 of 156

Table H-66
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for Free –
5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.94	20.96	20.81	0	0
	1	12	21.08	21.17	20.91		0
	1	24	21.05	21.07	20.73		0
	12	0	21.01	21.11	20.94	0-1	0
	12	6	21.03	21.14	20.86		0
	12	13	21.08	21.13	20.79		0
16QAM	25	0	21.09	21.21	20.95	0-1	0
	1	0	21.11	21.22	21.15		0
	1	12	21.25	21.16	20.91		0
	1	24	21.20	21.16	20.99	0-2	0
	12	0	20.50	20.60	20.42		0.8
	12	6	20.44	20.57	20.38		0.8
64QAM	12	13	20.48	20.57	20.31	0-2	0.8
	25	0	20.58	20.66	20.40		0.8
	1	0	20.61	20.62	20.43		0-2
	1	12	20.68	20.74	20.52	0.8	
	1	24	20.65	20.53	20.34	0.8	
	256QAM	12	0	19.43	19.52	19.41	0-3
12		6	19.41	19.52	19.44	1.8	
12		13	19.47	19.54	19.26	1.8	
25		0	19.50	19.57	19.35	0-5	1.8
1		0	17.41	17.57	17.49		3.8
1		12	17.14	17.48	17.02		3.8
256QAM	1	24	17.52	17.51	17.22	0-5	3.8
	12	0	17.36	17.47	17.31		3.8
	12	6	17.35	17.44	17.33		3.8
	12	13	17.36	17.47	17.23	3.8	
	25	0	17.46	17.53	17.33	3.8	

Table H-67
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for Free –
3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.97	21.00	20.87	0	0
	1	7	21.05	21.13	20.79		0
	1	14	20.94	21.00	20.65		0
	8	0	21.03	21.12	20.87	0-1	0
	8	4	21.01	21.10	20.77		0
	8	7	21.06	21.12	20.78		0
16QAM	15	0	21.08	21.15	20.84	0-1	0
	1	0	21.12	21.27	21.10		0
	1	7	21.08	21.20	20.78		0
	1	14	21.00	21.20	20.84	0-2	0
	8	0	20.48	20.61	20.36		0.8
	8	4	20.49	20.53	20.23		0.8
64QAM	8	7	20.50	20.62	20.30	0-2	0.8
	15	0	20.45	20.56	20.26		0.8
	1	0	20.54	20.66	20.46		0-2
	1	7	20.55	20.71	20.41	0.8	
	1	14	20.58	20.71	20.25	0.8	
	256QAM	8	0	19.38	19.53	19.29	0-3
8		4	19.35	19.53	19.24	1.8	
8		7	19.37	19.50	19.23	1.8	
15		0	19.47	19.52	19.23	0-5	1.8
1		0	17.39	17.46	17.42		3.8
1		7	17.36	17.48	17.25		3.8
256QAM	1	14	17.37	17.43	17.12	0-5	3.8
	8	0	17.37	17.46	17.31		3.8
	8	4	17.37	17.44	17.15		3.8
	8	7	17.35	17.48	17.19	3.8	
	15	0	17.35	17.47	17.24	3.8	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 33 of 156

Table H-68
LTE Band 25 (PCS) Antenna F Measured P_{Limit} for Free –
1.4 MHz Bandwidth

LTE Band 25 (PCS)							
1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.83	21.13	20.76	0	0
	1	2	21.12	21.12	20.76		0
	1	5	21.12	21.15	20.85		0
	3	0	20.94	21.23	20.82		0
	3	2	21.13	21.22	20.81		0
	3	3	21.16	21.20	20.87		0
16QAM	6	0	21.16	21.23	20.93	0-1	0
	1	0	20.93	21.44	20.93	0-1	0
	1	2	21.28	21.37	21.05		0
	1	5	21.34	21.42	20.99		0
	3	0	20.97	21.26	20.93		0
	3	2	21.22	21.21	20.98		0
3	3	21.20	21.26	20.96	0		
64QAM	6	0	20.98	20.99	20.86	0-2	0.8
	1	0	20.55	20.73	20.47	0-2	0.8
	1	2	20.70	20.79	20.45		0.8
	1	5	20.75	20.78	20.52		0.8
	3	0	20.65	20.72	20.26		0.8
	3	2	20.62	20.70	20.37		0.8
3	3	20.62	20.61	20.30	0.8		
256QAM	6	0	19.94	19.98	19.86	0-3	1.8
	1	0	17.71	17.64	17.33	0-5	3.8
	1	2	17.64	17.66	17.37		3.8
	1	5	17.56	17.59	17.32		3.8
	3	0	17.61	17.64	17.29		3.8
	3	2	17.50	17.69	17.30		3.8
3	3	17.58	17.64	17.34	3.8		
	6	0	17.55	17.63	17.27		3.8

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 34 of 156

H.1.11 LTE Band 30 Antenna B

Table H-69
LTE Band 30 Antenna B Measured P_{Limit} for Hotspot Mode – 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz) Conducted Power [dBm]		
QPSK	1	0	17.81	0	0
	1	12	18.02		0
	1	24	17.86		0
	12	0	17.92	0-1	0
	12	6	17.89		0
	12	13	17.89		0
	25	0	17.87		0
16QAM	1	0	18.02	0-1	0
	1	12	17.80		0
	1	24	18.03		0
	12	0	17.88	0-2	0
	12	6	17.90		0
	12	13	17.87		0
	25	0	17.88		0
64QAM	1	0	17.94	0-2	0
	1	12	18.09		0
	1	24	17.96		0
	12	0	17.93	0-3	0
	12	6	17.89		0
	12	13	17.92		0
	25	0	17.86		0
256QAM	1	0	16.56	0-5	1.5
	1	12	16.52		1.5
	1	24	16.41		1.5
	12	0	16.03		1.5
	12	6	15.98		1.5
	12	13	15.95		1.5
	25	0	15.96		1.5

Table H-70
LTE Band 30 Antenna B Measured P_{Limit} for RCV Active – 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz) Conducted Power [dBm]		
QPSK	1	0	21.86	0	0
	1	12	21.99		0
	1	24	21.95		0
	12	0	21.03	0-1	1
	12	6	20.99		1
	12	13	21.04		1
	25	0	21.05		1
16QAM	1	0	21.28	0-1	1
	1	12	21.16		1
	1	24	21.17		1
	12	0	20.09	0-2	2
	12	6	20.04		2
	12	13	20.03		2
	25	0	20.02		2
64QAM	1	0	20.14	0-2	2
	1	12	20.24		2
	1	24	20.09		2
	12	0	19.00	0-3	3
	12	6	18.99		3
	12	13	18.92		3
	25	0	18.91		3
256QAM	1	0	17.05	0-5	5
	1	12	16.92		5
	1	24	16.95		5
	12	0	16.79		5
	12	6	16.80		5
	12	13	16.80		5
	25	0	16.77		5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 35 of 156

Table H-71
LTE Band 30 Antenna B Measured P_{Limit} for Free –
5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz) Conducted Power [dBm]		
QPSK	1	0	19.29	0	0
	1	12	19.39		0
	1	24	19.31		0
	12	0	19.33	0-1	0
	12	6	19.36		0
	12	13	19.36		0
16QAM	25	0	19.38	0-1	0
	1	0	19.67		0
	1	12	19.31		0
	1	24	19.50	0-2	0
	12	0	19.45		0
	12	6	19.43		0
64QAM	12	13	19.40	0-2	0
	25	0	19.38		0
	1	0	19.55		0-2
	1	12	19.71	0	
	1	24	19.47	0	
	256QAM	12	0	18.39	0-3
12		6	18.35	1	
12		13	18.32	1	
25		0	18.33	0-5	1
1		0	16.26		3
1		12	16.08		3
256QAM	1	24	16.27	0-5	3
	12	0	16.22		3
	12	6	16.18		3
	12	13	16.17	0-5	3
	25	0	16.20		3
	25	0	16.20		3

H.1.12 LTE Band 30 Antenna F

Table H-72
LTE Band 30 Antenna F Measured P_{Limit} for Free –
5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz) Conducted Power [dBm]		
QPSK	1	0	18.55	0	0
	1	12	18.61		0
	1	24	18.60		0
	12	0	18.61	0-1	0
	12	6	18.62		0
	12	13	18.62		0
16QAM	25	0	18.70	0-1	0
	1	0	18.67		0
	1	12	18.81		0
	1	24	18.71	0-2	0
	12	0	18.63		0
	12	6	18.60		0
64QAM	12	13	18.62	0-2	0
	25	0	18.65		0
	1	0	18.70		0-2
	1	12	18.76	0	
	1	24	18.72	0	
	256QAM	12	0	18.09	0-3
12		6	17.98	0.8	
12		13	18.00	0.8	
25		0	18.10	0-5	0.8
1		0	16.10		2.8
1		12	16.15		2.8
256QAM	1	24	16.05	0-5	2.8
	12	0	16.00		2.8
	12	6	15.98		2.8
	12	13	15.94	0-5	2.8
	25	0	16.05		2.8
	25	0	16.05		2.8

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 36 of 156

Table H-73
LTE Band 30 Antenna F Measured P_{Limit} for RCV Active, and Hotspot Mode –
5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz) Conducted Power [dBm]		
QPSK	1	0	18.43	0	0
	1	12	18.51		0
	1	24	18.51		0
	12	0	18.50	0-1	0
	12	6	18.53		0
	12	13	18.51		0
	25	0	18.64		0
16QAM	1	0	18.60	0-1	0
	1	12	18.40		0
	1	24	18.53		0
	12	0	18.47	0-2	0
	12	6	18.49		0
	12	13	18.46		0
	25	0	18.53		0
64QAM	1	0	18.58	0-2	0
	1	12	18.59		0
	1	24	18.55		0
	12	0	18.44	0-3	0.3
	12	6	18.45		0.3
	12	13	18.42		0.3
	25	0	18.49		0.3
256QAM	1	0	16.64	0-5	2.3
	1	12	16.61		2.3
	1	24	16.56		2.3
	12	0	15.99		2.3
	12	6	15.91		2.3
	12	13	15.99		2.3
	25	0	15.99		2.3

H.1.13 LTE Band 7 Antenna B

Table H-74
LTE Band 7 Antenna B Measured P_{max} for RCV Active - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	22.31	22.58	22.71	0	0
	1	36	22.31	22.54	22.76		0
	1	74	22.34	22.66	22.37		0
	36	0	21.44	21.57	21.91	0-1	1
	36	18	21.42	21.55	21.88		1
	36	37	21.42	21.55	21.89		1
	75	0	21.43	21.56	21.88		1
16QAM	1	0	21.55	21.91	22.10	0-1	1
	1	36	21.46	21.83	22.09		1
	1	74	21.52	21.91	21.99		1
	36	0	20.47	20.58	20.88	0-2	2
	36	18	20.48	20.54	20.86		2
	36	37	20.46	20.55	20.87		2
	75	0	20.43	20.54	20.87		2
64QAM	1	0	20.45	20.80	21.00	0-2	2
	1	36	20.31	20.75	20.85		2
	1	74	20.37	20.83	20.91		2
	36	0	19.49	19.57	19.92	0-3	3
	36	18	19.47	19.55	19.90		3
	36	37	19.46	19.54	19.88		3
	75	0	19.38	19.52	19.83		3
256QAM	1	0	17.31	17.57	18.22	0-5	5
	1	36	17.19	17.47	18.08		5
	1	74	17.24	17.52	18.15		5
	36	0	17.27	17.40	17.78		5
	36	18	17.24	17.38	17.77		5
	36	37	17.24	17.36	17.77		5
	75	0	17.24	17.36	17.74		5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 37 of 156

Table H-75
LTE Band 7 Antenna B Measured P_{max} for RCV Active - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	22.36	22.43	22.81	0	0
	1	25	22.35	22.43	22.83		0
	1	49	22.42	22.57	22.68		0
	25	0	21.47	21.62	21.93	0-1	1
	25	12	21.45	21.61	21.92		1
	25	25	21.46	21.59	21.91		1
	50	0	21.45	21.62	21.93		1
16QAM	1	0	21.71	21.86	22.26	0-1	1
	1	25	21.60	21.74	22.08		1
	1	49	21.64	21.78	22.30		1
	25	0	20.47	20.65	21.03	0-2	2
	25	12	20.44	20.67	20.99		2
	25	25	20.44	20.59	20.98		2
	50	0	20.42	20.63	20.93		2
64QAM	1	0	20.43	20.76	20.94	0-2	2
	1	25	20.40	20.60	20.86		2
	1	49	20.47	20.73	20.97		2
	25	0	19.54	19.61	19.92	0-3	3
	25	12	19.52	19.56	19.91		3
	25	25	19.49	19.57	19.89		3
	50	0	19.46	19.57	19.91		3
256QAM	1	0	17.42	17.55	18.44	0-5	5
	1	25	17.23	17.47	18.22		5
	1	49	17.32	17.51	18.30		5
	25	0	17.36	17.57	17.87		5
	25	12	17.33	17.51	17.86		5
	25	25	17.32	17.51	17.82		5
	50	0	17.28	17.45	17.79		5

Table H-76
LTE Band 7 Antenna B Measured P_{max} for RCV Active - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	22.46	22.46	22.72	0	0
	1	12	22.42	22.61	22.88		0
	1	24	22.51	22.57	22.69		0
	12	0	21.49	21.58	21.92	0-1	1
	12	6	21.49	21.58	21.91		1
	12	13	21.49	21.57	21.93		1
	25	0	21.50	21.58	21.96		1
16QAM	1	0	21.81	21.86	22.20	0-1	1
	1	12	21.79	21.83	22.15		1
	1	24	21.74	21.90	22.17		1
	12	0	20.60	20.62	20.93	0-2	2
	12	6	20.58	20.60	20.93		2
	12	13	20.59	20.61	20.90		2
	25	0	20.48	20.61	20.93		2
64QAM	1	0	20.75	20.82	20.96	0-2	2
	1	12	20.74	20.89	20.93		2
	1	24	20.67	20.85	20.99		2
	12	0	19.45	19.58	19.87	0-3	3
	12	6	19.46	19.57	19.84		3
	12	13	19.43	19.55	19.85		3
	25	0	19.43	19.59	19.88		3
256QAM	1	0	17.51	17.57	17.75	0-5	5
	1	12	17.55	17.54	17.66		5
	1	24	17.42	17.52	17.70		5
	12	0	17.37	17.45	17.83		5
	12	6	17.38	17.47	17.83		5
	12	13	17.36	17.45	17.82		5
	25	0	17.31	17.46	17.78		5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 38 of 156

Table H-77

LTE Band 7 Antenna B Measured P_{limit} for Hotspot Mode - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.31	18.24	18.18	0	0
	1	36	18.29	18.11	18.07		0
	1	74	18.36	18.21	18.13		0
	36	0	18.40	18.25	18.18	0-1	0
	36	18	18.38	18.21	18.20		0
	36	37	18.35	18.23	18.19		0
	75	0	18.40	18.22	18.19		0
16QAM	1	0	18.66	18.49	18.52	0-1	0
	1	36	18.49	18.38	18.24		0
	1	74	18.56	18.38	18.39		0
	36	0	18.41	18.27	18.25	0-2	0
	36	18	18.39	18.27	18.19		0
	36	37	18.40	18.25	18.17		0
	75	0	18.37	18.21	18.17		0
64QAM	1	0	18.65	18.38	18.52	0-2	0
	1	36	18.49	18.22	18.32		0
	1	74	18.54	18.39	18.37		0
	36	0	18.40	18.25	18.26	0-3	0
	36	18	18.39	18.29	18.21		0
	36	37	18.41	18.26	18.19		0
	75	0	18.35	18.20	18.18		0
256QAM	1	0	18.34	18.29	18.20	0-5	0.2
	1	36	18.29	18.15	18.16		0.2
	1	74	18.30	18.20	18.10		0.2
	36	0	18.31	18.18	18.15		0.2
	36	18	18.31	18.17	18.13		0.2
	36	37	18.27	18.17	18.09		0.2
	75	0	18.26	18.15	18.09		0.2

Table H-78

LTE Band 7 Antenna B Measured P_{limit} for Hotspot Mode - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.42	18.23	18.20	0	0
	1	25	18.23	18.07	18.04		0
	1	49	18.28	18.13	18.10		0
	25	0	18.37	18.24	18.18	0-1	0
	25	12	18.36	18.21	18.21		0
	25	25	18.34	18.20	18.21		0
	50	0	18.38	18.18	18.20		0
16QAM	1	0	18.59	18.40	18.38	0-1	0
	1	25	18.45	18.23	18.21		0
	1	49	18.50	18.35	18.17		0
	25	0	18.40	18.22	18.21	0-2	0
	25	12	18.43	18.25	18.25		0
	25	25	18.38	18.21	18.20		0
	50	0	18.39	18.21	18.21		0
64QAM	1	0	18.63	18.40	18.43	0-2	0
	1	25	18.53	18.32	18.24		0
	1	49	18.65	18.37	18.36		0
	25	0	18.40	18.21	18.20	0-3	0
	25	12	18.37	18.20	18.18		0
	25	25	18.35	18.17	18.19		0
	50	0	18.41	18.21	18.20		0
256QAM	1	0	18.33	18.32	18.20	0-5	0.2
	1	25	18.24	18.17	18.10		0.2
	1	49	18.32	18.17	18.10		0.2
	25	0	18.35	18.11	18.10		0.2
	25	12	18.30	18.12	18.14		0.2
	25	25	18.26	18.07	18.08		0.2
	50	0	18.31	18.10	18.08		0.2

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 39 of 156

Table H-79
LTE Band 7 Antenna B Measured P_{limit} for Hotspot Mode - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	18.31	18.11	18.14	0	0
	1	12	18.40	18.36	18.41		0
	1	24	18.32	18.11	18.18		0
	12	0	18.35	18.18	18.24	0-1	0
	12	6	18.35	18.22	18.23		0
	12	13	18.35	18.20	18.19		0
16QAM	25	0	18.35	18.20	18.21	0-1	0
	1	0	18.52	18.51	18.51		0
	1	12	18.62	18.55	18.46		0
	1	24	18.50	18.32	18.50	0-2	0
	12	0	18.46	18.20	18.21		0
	12	6	18.45	18.23	18.25		0
64QAM	12	13	18.40	18.22	18.26	0-2	0
	25	0	18.39	18.21	18.24		0
	1	0	18.61	18.41	18.41		0-2
	1	12	18.71	18.42	18.63	0	
	1	24	18.61	18.38	18.26	0	
	256QAM	12	0	18.44	18.24	18.26	0-3
12		6	18.38	18.25	18.24	0	
12		13	18.36	18.26	18.25	0	
25		0	18.35	18.15	18.21	0-5	0
1		0	18.33	18.24	18.19		0.2
1		12	18.20	18.09	18.13		0.2
256QAM	1	24	18.30	18.13	18.11	0-5	0.2
	12	0	18.26	18.08	18.14		0.2
	12	6	18.24	18.06	18.08		0.2
	12	13	18.28	18.05	18.11	0.2	
	25	0	18.30	18.07	18.09	0.2	

Table H-80
LTE Band 7 Antenna B Measured P_{limit} for Free Mode - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	19.63	19.62	19.63	0	0
	1	36	19.52	19.52	19.55		0
	1	74	19.64	19.62	19.59		0
	36	0	19.71	19.72	19.73	0-1	0
	36	18	19.71	19.70	19.74		0
	36	37	19.70	19.68	19.67		0
16QAM	75	0	19.68	19.68	19.71	0-1	0
	1	0	19.96	20.07	20.00		0
	1	36	19.87	19.85	19.80		0
	1	74	19.79	19.86	19.83	0-2	0
	36	0	19.76	19.73	19.75		0
	36	18	19.75	19.74	19.71		0
64QAM	36	37	19.72	19.74	19.70	0-2	0
	75	0	19.72	19.73	19.71		0
	1	0	19.91	19.96	19.88		0-2
	1	36	19.87	19.81	19.74	0	
	1	74	19.89	19.82	19.87	0	
	256QAM	36	0	19.81	19.79	19.76	0-3
36		18	19.74	19.76	19.77	0	
36		37	19.73	19.74	19.75	0	
75		0	19.67	19.69	19.71	0-5	0
1		0	17.76	17.86	17.83		1.7
1		36	17.71	17.78	17.73		1.7
256QAM	1	74	17.73	17.73	17.75	0-5	1.7
	36	0	17.69	17.67	17.68		1.7
	36	18	17.65	17.66	17.63		1.7
	36	37	17.61	17.62	17.62	1.7	
	75	0	17.61	17.60	17.60	1.7	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 40 of 156

Table H-81
LTE Band 7 Antenna B Measured P_{limit} for Free Mode - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	19.75	19.69	19.66	0	0
	1	25	19.59	19.53	19.50		0
	1	49	19.63	19.57	19.53		0
	25	0	19.73	19.70	19.67	0-1	0
	25	12	19.74	19.63	19.62		0
	25	25	19.76	19.65	19.64		0
	50	0	19.77	19.68	19.68		0
16QAM	1	0	19.99	19.97	19.95	0-1	0
	1	25	19.83	19.79	19.69		0
	1	49	19.96	19.86	19.86		0
	25	0	19.76	19.68	19.69	0-2	0
	25	12	19.77	19.71	19.69		0
	25	25	19.76	19.70	19.69		0
	50	0	19.77	19.69	19.67		0
64QAM	1	0	20.04	19.91	19.88	0-2	0
	1	25	19.82	19.75	19.75		0
	1	49	19.87	19.97	19.80		0
	25	0	19.79	19.72	19.68	0-3	0
	25	12	19.76	19.71	19.68		0
	25	25	19.78	19.68	19.68		0
	50	0	19.84	19.73	19.73		0
256QAM	1	0	17.84	17.88	17.84	0-5	1.7
	1	25	17.76	17.71	17.72		1.7
	1	49	17.81	17.72	17.58		1.7
	25	0	17.75	17.63	17.65		1.7
	25	12	17.68	17.63	17.56		1.7
	25	25	17.66	17.57	17.57		1.7
	50	0	17.65	17.59	17.56		1.7

Table H-82
LTE Band 7 Antenna B Measured P_{limit} for Free Mode - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	19.87	19.59	19.53	0	0
	1	12	19.93	19.72	19.70		0
	1	24	19.88	19.65	19.56		0
	12	0	19.93	19.67	19.64	0-1	0
	12	6	19.86	19.67	19.63		0
	12	13	19.88	19.64	19.65		0
	25	0	19.86	19.73	19.63		0
16QAM	1	0	20.13	20.03	19.86	0-1	0
	1	12	20.12	19.79	19.88		0
	1	24	20.02	19.88	19.80		0
	12	0	19.95	19.79	19.72	0-2	0
	12	6	19.96	19.80	19.68		0
	12	13	19.97	19.74	19.67		0
	25	0	19.87	19.72	19.65		0
64QAM	1	0	19.95	19.83	19.80	0-2	0
	1	12	20.21	20.04	19.94		0
	1	24	20.00	19.79	19.83		0
	12	0	19.95	19.79	19.77	0-3	0
	12	6	19.95	19.77	19.75		0
	12	13	19.93	19.71	19.69		0
	25	0	19.86	19.72	19.66		0
256QAM	1	0	17.91	17.66	17.76	0-5	1.7
	1	12	18.08	17.78	17.75		1.7
	1	24	17.92	17.77	17.66		1.7
	12	0	17.84	17.59	17.60		1.7
	12	6	17.79	17.62	17.57		1.7
	12	13	17.79	17.61	17.55		1.7
	25	0	17.82	17.57	17.60		1.7

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 41 of 156

H.1.14 LTE Band 7 Antenna F

Table H-83
LTE Band 7 Antenna F Measured P_{limit} for RCV Active, or Hotspot Mode - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]		
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)				
Conducted Power [dBm]									
QPSK	1	0	17.97	17.89	18.29	0	0		
	1	36	17.84	17.82	18.17		0		
	1	74	17.87	17.85	18.26		0		
	QPSK	36	0	18.07	18.02	18.37	0-1	0	
		36	18	18.02	17.96	18.40		0	
		36	37	17.95	17.94	18.39		0	
		75	0	18.03	17.96	18.41		0	
1		0	18.20	18.11	18.47	0			
16QAM	1	36	17.96	17.99	18.47	0-1	0		
	1	74	18.06	18.02	18.48		0		
	36	0	18.00	17.98	18.32		0		
	16QAM	36	18	17.96	17.96	18.31	0-2	0	
		36	37	17.93	17.89	18.31		0	
		75	0	17.97	17.92	18.34		0	
		1	0	18.20	18.06	18.43		0	
1		36	18.01	17.94	18.32	0			
64QAM	1	74	17.99	17.96	18.36	0-2	0		
	36	0	18.03	17.95	18.37		0		
	36	18	17.96	17.98	18.33		0		
	64QAM	36	37	17.92	17.91	18.31	0-3	0	
		75	0	17.99	17.96	18.34		0	
		1	0	17.14	17.08	17.48		0-5	1.5
		1	36	17.04	16.87	17.38			1.5
1	74	17.04	16.90	17.45	1.5				
36	0	17.08	17.06	17.42	1.5				
36	18	17.04	17.01	17.41	1.5				
36	37	17.01	16.97	17.39	1.5				
75	0	17.05	17.04	17.37	1.5				

Table H-84
LTE Band 7 Antenna F Measured P_{limit} for RCV Active, or Hotspot Mode - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)			
Conducted Power [dBm]								
QPSK	1	0	17.97	17.92	18.37	0	0	
	1	25	17.82	17.79	18.18		0	
	1	49	17.85	17.84	18.26		0	
	QPSK	25	0	18.06	18.00	18.42	0-1	0
		25	12	18.05	18.00	18.41		0
		25	25	17.98	17.99	18.43		0
		50	0	18.06	18.05	18.46		0
1		0	18.09	18.14	18.54	0		
16QAM	1	25	18.05	18.07	18.30	0-1	0	
	1	49	18.13	17.94	18.49		0	
	25	0	18.02	18.00	18.41		0	
	16QAM	25	12	17.98	17.99	18.38	0-2	0
		25	25	17.95	17.91	18.39		0
		50	0	18.02	18.00	18.47		0
		1	0	18.18	18.06	18.43		0
64QAM	1	25	17.97	18.01	18.51	0-2	0	
	1	49	18.06	17.98	18.47		0	
	25	0	17.98	17.95	18.36		0	
	64QAM	25	12	17.96	17.90	18.35	0-3	0
		25	25	17.92	17.91	18.37		0
		50	0	18.03	18.00	18.41		0
		1	0	17.15	17.01	17.53		0-5
1	25	17.04	16.99	17.33	1.5			
1	49	17.05	16.98	17.48	1.5			
25	0	17.08	17.04	17.46	1.5			
25	12	17.07	17.02	17.46	1.5			
25	25	17.00	17.02	17.42	1.5			
50	0	17.08	17.04	17.49	1.5			

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 42 of 156

Table H-85
LTE Band 7 Antenna F Measured P_{limit} for RCV Active, or Hotspot Mode - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	17.92	17.87	18.34	0	0
	1	12	18.03	17.96	18.42		0
	1	24	17.89	17.85	18.38		0
	12	0	17.98	17.97	18.39	0-1	0
	12	6	18.01	17.92	18.44		0
	12	13	17.97	17.91	18.39		0
16QAM	25	0	18.10	18.02	18.45	0-1	0
	1	0	18.17	17.98	18.59		0
	1	12	18.10	18.09	18.35		0
	1	24	18.00	18.02	18.43	0-2	0
	12	0	18.00	17.95	18.42		0
	12	6	17.97	17.93	18.41		0
64QAM	12	13	17.96	17.88	18.36	0-2	0
	25	0	18.02	17.93	18.47		0
	1	0	18.17	18.14	18.63		0-2
	1	12	18.25	18.12	18.68	0	
	1	24	18.10	17.98	18.50	0	
	256QAM	12	0	18.00	17.92	18.39	0-3
12		6	17.97	17.87	18.38	0	
12		13	17.93	17.91	18.34	0	
25		0	18.01	17.92	18.38	0-5	0
1		0	17.08	17.11	17.62		1.5
1		12	17.38	17.05	17.49		1.5
256QAM	1	24	17.04	17.03	17.51	0-5	1.5
	12	0	17.00	16.97	17.42		1.5
	12	6	17.01	16.98	17.44		1.5
	12	13	16.99	16.90	17.41	1.5	
	25	0	17.12	17.01	17.49	1.5	

Table H-86
LTE Band 7 Antenna F Measured P_{limit} for Free Mode - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.53	20.47	20.83	0	0
	1	36	20.41	20.40	20.73		0
	1	74	20.42	20.44	20.85		0
	36	0	20.63	20.56	20.95	0-1	0
	36	18	20.59	20.55	20.96		0
	36	37	20.58	20.53	20.95		0
16QAM	75	0	20.63	20.60	21.01	0-1	0
	1	0	20.82	20.73	21.21		0
	1	36	20.69	20.68	21.01		0
	1	74	20.76	20.60	21.11	0-2	0
	36	0	20.12	20.08	20.43		1
	36	18	20.04	20.02	20.39		1
64QAM	36	37	19.98	19.95	20.39	0-2	1
	75	0	20.09	19.99	20.44		1
	1	0	20.12	20.17	20.53		0-2
	1	36	20.00	19.98	20.33	1	
	1	74	20.05	19.95	20.41	1	
	256QAM	36	0	19.06	19.04	19.41	0-3
36		18	19.02	19.01	19.39	2	
36		37	18.94	18.96	19.35	2	
75		0	18.98	18.96	19.35	0-5	2
1		0	17.05	16.94	17.40		4
1		36	16.90	16.96	17.30		4
256QAM	1	74	16.97	16.87	17.35	0-5	4
	36	0	17.00	16.95	17.32		4
	36	18	16.94	16.92	17.30		4
	36	37	16.89	16.88	17.27	4	
	75	0	16.94	16.91	17.31	4	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 43 of 156

Table H-87
LTE Band 7 Antenna F Measured P_{limit} for Free Mode - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.58	20.52	20.91	0	0
	1	25	20.40	20.36	20.78		0
	1	49	20.45	20.44	20.83		0
	25	0	20.66	20.61	21.01	0-1	0
	25	12	20.62	20.58	21.00		0
	25	25	20.57	20.56	20.97		0
	50	0	20.66	20.60	21.04		0
16QAM	1	0	20.74	20.76	21.14	0-1	0
	1	25	20.62	20.65	21.02		0
	1	49	20.78	20.74	21.05		0
	25	0	20.13	20.11	20.50	0-2	1
	25	12	20.08	20.07	20.48		1
	25	25	20.02	20.01	20.47		1
	50	0	20.06	20.07	20.48		1
64QAM	1	0	20.11	20.11	20.48	0-2	1
	1	25	19.91	20.05	20.48		1
	1	49	19.98	19.99	20.50		1
	25	0	19.04	19.02	19.40	0-3	2
	25	12	18.98	18.97	19.38		2
	25	25	18.93	18.93	19.40		2
	50	0	19.07	19.01	19.47		2
256QAM	1	0	17.12	17.01	17.43	0-5	4
	1	25	16.82	16.89	17.26		4
	1	49	16.93	16.95	17.37		4
	25	0	17.06	16.99	17.40		4
	25	12	16.95	16.94	17.34		4
	25	25	16.94	16.86	17.37		4
	50	0	17.00	16.95	17.37		4

Table H-88
LTE Band 7 Antenna F Measured P_{limit} for Free Mode - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	20.70	20.59	21.00	0	0
	1	12	20.57	20.42	20.83		0
	1	24	20.51	20.37	20.83		0
	12	0	20.57	20.48	20.92	0-1	0
	12	6	20.58	20.48	20.95		0
	12	13	20.57	20.43	20.95		0
	25	0	20.64	20.56	21.07		0
16QAM	1	0	20.66	20.70	21.17	0-1	0
	1	12	20.65	20.46	21.17		0
	1	24	20.69	20.69	21.09		0
	12	0	20.07	20.04	20.50	0-2	1
	12	6	20.08	20.01	20.46		1
	12	13	20.04	19.95	20.45		1
	25	0	20.11	20.06	20.51		1
64QAM	1	0	20.21	20.09	20.59	0-2	1
	1	12	20.27	20.14	20.71		1
	1	24	20.10	20.03	20.50		1
	12	0	19.04	18.97	19.43	0-3	2
	12	6	19.02	19.01	19.45		2
	12	13	19.01	18.93	19.40		2
	25	0	19.07	18.95	19.47		2
256QAM	1	0	17.05	16.86	17.43	0-5	4
	1	12	17.04	16.92	17.40		4
	1	24	16.93	16.80	17.29		4
	12	0	16.97	16.88	17.37		4
	12	6	16.90	16.87	17.39		4
	12	13	16.92	16.84	17.34		4
	25	0	16.98	16.93	17.39		4

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 44 of 156

H.1.15 LTE Band 41 PC2 Antenna B

Table H-89
LTE Band 41 PC2 Antenna B Measured P_{max} for RCV 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	25.08	25.20	25.90	25.85	26.05	0	0
	1	36	25.04	25.11	25.82	25.75	25.93		0
	1	74	25.19	25.14	25.86	25.79	25.53		0
	36	0	24.18	24.19	24.92	24.87	25.16	0-1	1
	36	18	24.19	24.18	24.90	24.86	25.13		1
	36	37	24.20	24.15	24.89	24.83	25.10		1
16QAM	75	0	24.21	24.15	24.91	24.85	25.14	0-1	1
	1	0	24.36	24.58	25.37	25.11	25.48		1
	1	36	24.34	24.48	25.22	24.99	25.35		1
	1	74	24.44	24.52	25.26	25.02	25.07	0-2	1
	36	0	23.22	23.21	23.94	23.89	24.13		2
	36	18	23.22	23.18	23.91	23.87	24.08		2
64QAM	36	37	23.20	23.13	23.88	23.83	24.04	0-2	2
	75	0	23.23	23.16	23.92	23.86	24.11		2
	1	0	23.56	23.26	24.13	24.40	24.22		0-2
	1	36	23.53	23.15	24.02	24.28	24.08	2	
	1	74	23.61	23.17	24.05	24.32	24.11	2	
	256QAM	36	0	22.19	22.17	22.92	22.88	23.15	0-3
36		18	22.19	22.14	22.88	22.85	23.10	3	
36		37	22.17	22.11	22.86	22.83	23.07	3	
75		0	22.19	22.13	22.89	22.86	23.08	0-5	3
1		0	20.25	20.19	20.94	20.51	21.20		5
1		36	20.16	20.06	20.80	20.41	21.02		5
256QAM	1	74	20.23	20.08	20.84	20.42	21.03	0-5	5
	36	0	20.10	20.10	20.86	20.77	21.03		5
	36	18	20.11	20.08	20.81	20.74	21.00		5
	36	37	20.10	20.04	20.80	20.71	20.96	5	
	75	0	20.12	20.07	20.82	20.77	21.02	5	

Table H-90
LTE Band 41 PC2 Antenna B Measured P_{max} for RCV 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	25.03	25.20	25.89	25.83	26.02	0	0
	1	25	25.10	25.15	25.84	25.78	25.95		0
	1	49	25.18	25.15	25.86	25.79	25.96		0
	25	0	24.19	24.22	24.95	24.89	25.10	0-1	1
	25	12	24.19	24.18	24.92	24.86	25.07		1
	25	25	24.21	24.17	24.91	24.85	25.05		1
16QAM	50	0	24.20	24.18	24.91	24.86	25.13	0-1	1
	1	0	24.64	24.62	25.36	25.33	25.44		1
	1	25	24.56	24.55	25.28	25.24	25.18		1
	1	49	24.60	24.52	25.27	25.24	25.15	0-2	1
	25	0	23.16	23.26	23.92	23.92	24.13		2
	25	12	23.15	23.22	23.87	23.87	24.09		2
64QAM	25	25	23.14	23.20	23.86	23.85	24.06	0-2	2
	50	0	23.20	23.17	23.95	23.87	24.10		2
	1	0	23.42	23.27	24.12	24.43	24.51		0-2
	1	25	23.39	23.18	24.04	24.33	24.38	2	
	1	49	23.41	23.17	24.01	24.31	24.37	2	
	256QAM	25	0	22.22	22.16	22.93	22.81	23.12	0-3
25		12	22.22	22.12	22.91	22.79	23.09	3	
25		25	22.21	22.10	22.88	22.76	23.06	3	
50		0	22.25	22.19	22.94	22.87	23.09	0-5	3
1		0	20.11	20.05	20.85	21.02	21.11		5
1		25	20.03	19.90	20.66	20.89	20.96		5
256QAM	1	49	20.09	19.92	20.69	20.90	20.99	0-5	5
	25	0	20.18	20.15	20.93	20.88	21.09		5
	25	12	20.16	20.13	20.89	20.83	21.04		5
	25	25	20.16	20.11	20.87	20.81	21.01	5	
	50	0	20.20	20.14	20.90	20.82	21.10	5	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 45 of 156

Table H-91
LTE Band 41 PC2 Antenna B Measured P_{max} for RCV 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	25.21	25.13	25.85	25.78	25.97	0	0
	1	12	25.21	25.14	25.83	25.81	26.01		0
	1	24	25.25	25.13	25.85	25.79	25.96		0
	12	0	24.25	24.16	24.89	24.85	25.07	0-1	1
	12	6	24.25	24.15	24.89	24.84	25.06		1
	12	13	24.24	24.15	24.88	24.84	25.05		1
16QAM	25	0	24.25	24.16	24.91	24.86	25.07	0-1	1
	1	0	24.41	24.57	25.11	25.24	25.42		1
	1	12	24.04	24.48	25.10	25.04	25.35		1
	1	24	24.42	24.58	25.11	25.24	25.42	0-2	1
	12	0	23.25	23.22	23.98	23.95	24.07		2
	12	6	23.25	23.18	23.94	23.81	24.03		2
64QAM	12	13	23.24	23.19	23.95	23.81	24.04	0-2	2
	25	0	23.23	23.15	23.94	23.88	24.07		2
	1	0	23.20	23.20	24.32	23.84	24.15		0-2
	1	12	22.95	23.09	24.20	23.50	24.06	2	
	1	24	23.23	23.21	24.33	23.84	24.16	2	
	256QAM	12	0	22.19	22.27	22.83	22.89	23.15	0-3
12		6	22.18	22.22	22.82	22.80	23.11	3	
12		13	22.18	22.24	22.80	22.82	23.12	3	
25		0	22.18	22.13	22.87	22.80	23.02	0-5	3
1		0	20.07	20.12	20.95	20.69	21.07		5
1		12	20.00	19.85	20.83	20.53	20.86		5
256QAM	1	24	20.04	20.03	20.87	20.63	20.98	0-5	5
	12	0	20.15	20.15	20.90	20.88	21.00		5
	12	6	20.15	20.11	20.89	20.84	20.97		5
	12	13	20.14	20.11	20.86	20.85	20.97	5	
	25	0	20.15	20.11	20.88	20.83	21.01	5	

Table H-92
LTE Band 41 PC2 Antenna B Measured P_{Limit} for Free – 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	23.02	23.05	24.20	24.23	24.00	0	0
	1	36	22.99	22.94	24.09	24.18	23.87		0
	1	74	23.05	22.96	24.13	24.23	23.89		0
	36	0	23.03	23.00	24.17	24.24	23.97	0-1	0
	36	18	23.04	22.98	24.15	24.24	23.94		0
	36	37	23.03	22.96	24.13	24.21	23.91		0
16QAM	75	0	23.04	22.97	24.14	24.24	23.94	0-1	0
	1	0	23.46	23.40	24.44	24.26	24.20		0
	1	36	23.38	23.31	24.37	24.16	24.11		0
	1	74	23.45	23.34	24.41	24.20	24.04	0-2	0
	36	0	23.09	22.99	24.14	24.27	23.95		0
	36	18	23.08	22.97	24.13	24.27	23.93		0
64QAM	36	37	23.05	22.91	24.10	24.23	23.86	0-2	0
	75	0	23.11	23.05	24.17	24.30	23.98		0
	1	0	23.20	23.19	24.46	24.25	23.94		0-2
	1	36	23.12	23.07	24.30	24.57	23.82	0	
	1	74	23.19	23.10	24.34	24.58	23.85	0	
	256QAM	36	0	22.14	22.03	23.23	23.32	22.97	0-3
36		18	22.11	22.00	23.19	23.29	22.92	0.6	
36		37	22.09	21.95	23.16	23.25	22.88	0.6	
75		0	22.07	22.00	23.17	23.30	22.99	0-5	0.6
1		0	20.07	20.08	21.14	21.37	20.91		2.6
1		36	20.00	20.03	21.01	21.25	20.70		2.6
256QAM	1	74	20.01	20.02	21.04	21.26	20.72	0-5	2.6
	36	0	20.02	20.05	21.12	21.25	20.93		2.6
	36	18	20.01	20.02	21.09	21.27	20.91		2.6
	36	37	20.00	20.00	21.06	21.24	20.87	2.6	
	75	0	20.02	20.03	21.11	21.24	20.90	2.6	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 46 of 156

Table H-93
LTE Band 41 PC2 Antenna B Measured P_{Limit} for Free – 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	22.74	23.02	24.18	24.30	23.87	0	0	
	1	25	22.99	22.97	24.13	24.24	23.86		0	
	1	49	23.04	22.97	24.13	24.26	23.87		0	
	16QAM	25	0	23.05	23.03	24.19	24.31	23.93	0-1	0
		25	12	23.04	23.00	24.16	24.28	23.90		0
		25	25	23.05	22.99	24.15	24.27	23.89		0
		64QAM	50	0	23.05	23.00	24.16	24.28	23.92	0-1
1			0	23.48	23.19	24.40	24.56	24.35	0	
1			25	23.40	23.13	24.34	24.50	24.26	0	
256QAM			1	49	23.40	23.09	24.32	24.49	24.23	0-1
	25		0	23.10	23.06	24.26	24.42	23.99	0	
	25		12	23.08	23.03	24.22	24.38	23.96	0	
	64QAM		25	25	23.07	23.01	24.22	24.37	23.94	0-2
		50	0	23.06	23.03	24.19	24.29	23.98	0	
		1	0	23.27	23.07	24.21	24.41	24.13	0	
		64QAM	1	25	23.17	22.99	24.09	24.48	24.00	0-2
1			49	23.20	22.96	24.11	24.45	24.01	0	
25			0	22.09	22.05	23.15	23.36	22.92	0.6	
256QAM			25	12	22.06	22.02	23.13	23.34	22.89	0-3
	25		25	22.05	22.00	23.12	23.33	22.86	0.6	
	50		0	22.11	22.03	23.20	23.35	22.98	0.6	
	256QAM		1	0	20.15	20.11	21.18	21.26	21.09	0-5
		1	25	20.08	20.03	21.07	21.16	20.97	2.6	
		1	49	20.08	20.02	21.05	21.13	20.97	2.6	
		256QAM	25	0	20.13	20.01	21.18	21.36	20.98	0-5
25			12	20.10	19.97	21.16	21.29	20.91	2.6	
25			25	20.09	19.95	21.14	21.26	20.93	2.6	
50			0	20.10	20.02	21.17	21.31	20.97	2.6	

Table H-94
LTE Band 41 PC2 Antenna B Measured P_{Limit} for Free – 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	22.94	22.97	24.13	24.26	23.92	0	0	
	1	12	22.89	22.93	24.11	24.28	23.97		0	
	1	24	23.01	22.96	24.13	24.26	23.91		0	
	16QAM	12	0	23.00	22.98	24.15	24.28	23.94	0-1	0
		12	6	22.99	22.98	24.14	24.27	23.92		0
		12	13	23.01	22.96	24.14	24.28	23.92		0
		16QAM	25	0	23.03	22.99	24.15	24.29	23.94	0-1
1			0	23.49	23.14	24.26	24.60	24.29	0	
1			12	23.50	23.02	24.15	24.58	24.21	0	
64QAM			1	24	23.51	23.14	24.02	24.50	24.09	0-1
	12		0	23.13	22.95	24.29	24.32	23.93	0	
	12		6	23.12	22.93	24.26	24.31	23.91	0	
	64QAM		12	13	23.14	22.93	24.28	24.31	23.90	0-2
		25	0	23.02	22.99	24.22	24.36	23.92	0	
		1	0	23.18	22.89	24.10	24.47	24.03	0	
		256QAM	1	12	22.97	22.91	24.04	24.32	23.82	0-2
1			24	23.23	23.02	24.01	24.54	24.01	0	
12			0	22.10	21.99	23.15	23.35	22.98	0.6	
256QAM			12	6	22.03	21.91	23.11	23.31	22.95	0-3
	12		13	22.06	21.91	23.11	23.32	22.95	0.6	
	25		0	22.07	21.96	23.19	23.31	22.91	0.6	
	256QAM		1	0	20.20	20.17	21.03	21.32	20.92	0-5
		1	12	19.94	20.00	20.74	21.24	20.78	2.6	
		1	24	20.12	20.07	20.93	21.30	20.85	2.6	
		256QAM	12	0	20.04	20.03	21.20	21.34	20.94	0-5
12			6	20.04	19.97	21.17	21.31	20.91	2.6	
12			13	20.04	19.96	21.16	21.31	20.90	2.6	
25			0	20.05	20.01	21.17	21.29	20.92	2.6	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 47 of 156

Table H-95

LTE Band 41 PC2 Antenna B Measured P_{Limit} for 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	21.59	21.54	22.70	22.74	22.50	0	0	
	1	36	21.50	21.41	22.58	22.66	22.36		0	
	1	74	21.55	21.44	22.61	22.70	22.38		0	
	16QAM	36	0	21.53	21.48	22.64	22.72	22.45	0-1	0
		36	18	21.52	21.46	22.62	22.69	22.43		0
		36	37	21.52	21.44	22.61	22.69	22.39		0
		64QAM	75	0	21.52	21.44	22.62	22.71	22.41	0-1
1			0	21.61	21.98	22.75	22.99	22.83	0	
1			36	21.63	21.95	22.85	22.90	22.72	0	
256QAM			1	74	21.69	21.91	22.90	22.94	22.74	0-1
	36		0	21.57	21.48	22.63	22.72	22.44	0	
	36		18	21.55	21.46	22.62	22.70	22.41	0	
	64QAM		36	37	21.52	21.43	22.58	22.67	22.38	0-2
		75	0	21.55	21.48	22.65	22.76	22.43	0	
		1	0	21.77	21.61	22.95	22.99	22.58	0	
		256QAM	1	36	21.69	21.51	22.94	22.88	22.45	0-2
1			74	21.76	21.54	22.90	22.94	22.48	0	
36			0	21.54	21.50	22.68	22.73	22.44	0	
64QAM			36	18	21.53	21.47	22.66	22.70	22.42	0-3
	36		37	21.51	21.43	22.64	22.67	22.38	0	
	75		0	21.56	21.49	22.67	22.75	22.44	0	
	256QAM		1	0	20.16	20.17	21.12	21.11	21.01	0-5
		1	36	19.92	20.14	20.99	20.98	20.87	1.1	
		1	74	19.97	20.06	21.03	21.00	20.88	1.1	
		256QAM	36	0	20.05	20.10	21.12	21.25	20.94	0-5
36			18	20.04	20.08	21.09	21.23	20.90	1.1	
36			37	20.02	20.04	21.07	21.20	20.87	1.1	
75			0	20.03	20.05	21.11	21.26	20.91	1.1	

Table H-96

LTE Band 41 PC2 Antenna B Measured P_{Limit} for 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	21.51	21.49	22.62	22.67	22.44	0	0	
	1	25	21.50	21.42	22.56	22.68	22.39		0	
	1	49	21.51	21.42	22.57	22.68	22.37		0	
	16QAM	25	0	21.50	21.47	22.62	22.70	22.44	0-1	0
		25	12	21.48	21.44	22.59	22.67	22.38		0
		25	25	21.49	21.42	22.58	22.67	22.38		0
		64QAM	50	0	21.50	21.44	22.58	22.68	22.39	0-1
1			0	21.71	21.69	23.03	22.99	22.70	0	
1			25	21.66	21.62	22.93	22.93	22.76	0	
256QAM			1	49	21.66	21.57	22.90	22.92	22.73	0-1
	25		0	21.61	21.44	22.66	22.77	22.47	0	
	25		12	21.57	21.42	22.62	22.73	22.43	0	
	64QAM		25	25	21.57	21.40	22.62	22.71	22.41	0-2
		50	0	21.52	21.45	22.64	22.71	22.41	0	
		1	0	21.95	21.85	22.80	23.01	22.31	0	
		256QAM	1	25	21.92	21.73	22.71	22.95	22.24	0-2
1			49	21.91	21.72	22.69	22.94	22.20	0	
25			0	21.52	21.52	22.60	22.78	22.42	0	
64QAM			25	12	21.44	21.48	22.57	22.77	22.41	0-3
	25		25	21.44	21.46	22.56	22.75	22.38	0	
	50		0	21.54	21.49	22.67	22.77	22.46	0	
	256QAM		1	0	20.06	19.87	21.26	21.31	21.17	0-5
		1	25	20.14	19.80	21.19	21.21	21.13	1.1	
		1	49	20.16	19.78	21.22	21.24	21.00	1.1	
		256QAM	25	0	20.07	20.02	21.18	21.30	20.98	0-5
25			12	20.04	20.00	21.15	21.28	20.94	1.1	
25			25	20.03	19.98	21.14	21.26	20.91	1.1	
50			0	20.06	19.98	21.17	21.30	20.97	1.1	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 48 of 156

Table H-97

LTE Band 41 PC2 Antenna B Measured P_{Limit} for 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	21.55	21.45	22.58	22.72	22.30	0	0	
	1	12	21.53	21.43	22.55	22.69	22.25		0	
	1	24	21.53	21.44	22.57	22.70	22.33		0	
	QPSK	12	0	21.54	21.45	22.59	22.72	22.35	0-1	0
		12	6	21.52	21.44	22.58	22.72	22.32		0
		12	13	21.52	21.43	22.57	22.70	22.33		0
		25	0	21.53	21.44	22.59	22.72	22.34		0
1		0	21.93	21.86	23.09	23.08	22.48	0		
16QAM	1	12	21.85	21.90	22.63	22.93	22.32	0-1	0	
	1	24	21.95	21.86	22.73	23.06	22.48		0	
	12	0	21.63	21.49	22.63	22.77	22.34		0	
	16QAM	12	6	21.59	21.46	22.62	22.74	22.33	0-2	0
		12	13	21.56	21.46	22.60	22.73	22.31		0
		25	0	21.56	21.43	22.54	22.72	22.40		0
		1	0	21.34	21.22	22.80	22.93	22.51		0
1		12	21.33	21.20	22.71	22.83	22.33	0		
64QAM	1	24	21.38	21.13	22.80	22.92	22.50	0-2	0	
	12	0	21.57	21.46	22.63	22.84	22.34		0	
	12	6	21.54	21.37	22.62	22.84	22.32		0	
	64QAM	12	13	21.56	21.37	22.61	22.82	22.32	0-3	0
		25	0	21.55	21.44	22.61	22.71	22.37		0
		1	0	20.16	20.08	21.18	21.12	20.69		1.1
		1	12	20.14	20.05	21.15	21.01	20.51		1.1
256QAM	1	24	20.09	20.03	21.12	21.09	20.62	0-5	1.1	
	12	0	20.02	20.06	21.15	21.26	20.88		1.1	
	12	6	20.01	20.04	21.13	21.25	20.85		1.1	
	12	13	20.00	20.00	21.11	21.24	20.86		1.1	
	25	0	20.03	20.03	21.11	21.26	20.89		1.1	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 49 of 156

H.1.16 LTE Band 41 PC2 Antenna F

Table H-98
LTE Band 41 PC2 Antenna F Measured P_{Limit} for Free - 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	22.95	22.35	22.81	22.83	23.04	0	0
	1	36	22.82	22.21	22.64	22.69	23.00		0
	1	74	22.83	22.21	22.61	22.71	23.03		0
	36	0	23.01	22.31	22.78	22.78	23.15	0-1	0
	36	18	22.97	22.28	22.74	22.76	23.16		0
	36	37	22.95	22.25	22.69	22.72	23.15		0
16QAM	75	0	22.96	22.27	22.73	22.74	23.16	0-1	0
	1	0	23.12	22.59	23.02	23.04	23.20		0
	1	36	22.98	22.64	22.85	22.90	23.44		0
	1	74	22.99	22.65	22.82	22.91	23.24	0-2	0
	36	0	22.27	21.56	22.11	22.06	22.48		0.3
	36	18	22.22	21.55	22.06	22.02	22.47		0.3
64QAM	36	37	22.18	21.53	21.99	21.97	22.43	0-2	0.3
	75	0	22.23	21.56	22.05	22.04	22.50		0.3
	1	0	22.21	21.59	22.03	22.27	22.58		0-2
	1	36	22.06	21.45	21.91	22.12	22.52	0.3	
	1	74	22.07	21.48	21.91	22.15	22.49	0.3	
	256QAM	36	0	21.25	20.59	21.10	21.13	21.52	0-3
36		18	21.19	20.56	21.07	21.09	21.51	1.3	
36		37	21.16	20.52	20.97	21.06	21.47	1.3	
75		0	21.24	20.55	21.05	21.04	21.47	0-5	1.3
1		0	19.54	18.43	19.38	19.12	19.41		3.3
1		36	19.35	18.58	19.18	18.91	19.32		3.3
256QAM	1	74	19.36	18.58	19.16	18.93	19.34	0-5	3.3
	36	0	19.25	18.59	19.05	19.02	19.46		3.3
	36	18	19.20	18.77	18.99	18.99	19.44		3.3
	36	37	19.17	18.73	18.93	18.96	19.41	0-5	3.3
	75	0	19.20	18.55	19.02	19.01	19.43		3.3

Table H-99
LTE Band 41 PC2 Antenna F Measured P_{Limit} for Free - 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	22.46	22.31	22.76	22.72	23.00	0	0
	1	25	22.80	22.25	22.65	22.66	23.00		0
	1	49	22.85	22.23	22.62	22.65	23.01		0
	25	0	22.88	22.27	22.72	22.70	23.06	0-1	0
	25	12	22.84	22.25	22.67	22.67	23.07		0
	25	25	22.85	22.23	22.65	22.66	23.08		0
16QAM	50	0	22.99	22.29	22.75	22.69	23.16	0-1	0
	1	0	22.96	22.42	22.98	23.24	23.28		0
	1	25	22.84	22.31	22.89	23.14	23.23		0
	1	49	22.86	22.29	22.81	23.09	23.24	0-2	0
	25	0	22.22	21.60	22.06	22.09	22.41		0.3
	25	12	22.10	21.56	22.00	22.04	22.39		0.3
64QAM	25	25	22.10	21.55	21.97	22.03	22.38	0-2	0.3
	50	0	22.27	21.56	22.03	22.04	22.46		0.3
	1	0	22.29	22.01	22.08	22.21	22.37		0-2
	1	25	22.17	21.94	21.93	22.07	22.36	0.3	
	1	49	22.15	21.88	21.87	22.07	22.31	0.3	
	256QAM	25	0	21.22	20.58	21.02	21.07	21.46	0-3
25		12	21.18	20.55	20.96	21.03	21.44	1.3	
25		25	21.18	20.53	20.92	21.02	21.42	1.3	
50		0	21.25	20.60	21.06	21.02	21.49	0-5	1.3
1		0	19.20	18.58	19.28	19.03	19.58		3.3
1		25	19.03	18.47	19.15	19.00	19.51		3.3
256QAM	1	49	19.11	18.47	19.08	19.22	19.52	0-5	3.3
	25	0	19.29	18.59	19.11	19.08	19.49		3.3
	25	12	19.25	18.56	19.04	19.02	19.47		3.3
	25	25	19.24	18.54	19.01	19.01	19.46	0-5	3.3
	50	0	19.27	18.59	19.07	19.03	19.49		3.3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 50 of 156

Table H-100
LTE Band 41 PC2 Antenna F Measured P_{Limit} for Free - 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	22.88	22.25	22.66	22.74	22.94	0	0
	1	12	22.79	22.15	22.54	22.63	22.91		0
	1	24	22.86	22.24	22.64	22.71	23.01		0
	12	0	22.90	22.26	22.69	22.73	23.07	0-1	0
	12	6	22.89	22.26	22.68	22.71	23.09		0
	12	13	22.88	22.25	22.68	22.69	23.10		0
16QAM	25	0	22.85	22.24	22.69	22.71	23.09	0-1	0
	1	0	23.21	22.48	22.90	23.04	23.44		0
	1	12	23.14	22.44	22.90	22.94	23.44		0
	1	24	23.22	22.40	22.88	23.07	23.48	0-2	0
	12	0	22.19	21.59	22.00	22.11	22.44		0.3
	12	6	22.07	21.57	21.97	22.07	22.43		0.3
64QAM	12	13	22.05	21.57	21.96	22.07	22.42	0-2	0.3
	25	0	22.17	21.52	22.04	22.02	22.46		0.3
	1	0	22.02	21.68	22.00	22.01	22.50		0-2
	1	12	21.94	21.56	21.85	21.83	22.60	0.3	
	1	24	22.01	21.68	21.98	22.00	22.55	0.3	
	256QAM	12	0	21.17	20.57	21.08	21.06	21.51	0-3
12		6	21.15	20.53	21.04	21.02	21.39	1.3	
12		13	21.15	20.55	21.03	21.01	21.38	1.3	
25		0	21.16	20.55	21.02	21.00	21.49	0-5	1.3
1		0	19.45	18.54	19.15	19.02	19.46		3.3
1		12	19.10	18.22	18.90	18.90	19.32		3.3
256QAM	1	24	19.40	18.47	19.01	18.95	19.42	0-5	3.3
	12	0	19.27	18.57	19.02	19.08	19.43		3.3
	12	6	19.25	18.59	18.97	19.03	19.44		3.3
	12	13	19.22	18.60	18.98	19.03	19.41	3.3	
	25	0	19.23	18.58	19.02	19.03	19.50	3.3	

Table H-101
LTE Band 41 PC2 Antenna F Measured P_{Limit} for Hotspot Mode or RCV 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	21.51	20.86	21.32	21.34	21.52	0	0	
	1	36	21.35	20.70	21.14	21.19	21.46		0	
	1	74	21.37	20.72	21.12	21.21	21.50		0	
	36	0	21.47	20.79	21.27	21.25	21.57	0-1	0	
	36	18	21.42	20.76	21.21	21.21	21.59		0	
	36	37	21.40	20.73	21.16	21.18	21.56		0	
16QAM	75	0	21.42	20.73	21.20	21.20	21.58	0-1	0	
	1	0	21.67	20.95	21.69	21.63	21.96		0-1	0
	1	36	21.55	20.81	21.51	21.48	21.90			0
	1	74	21.59	20.82	21.49	21.51	21.96	0-2		0
	36	0	21.43	20.73	21.23	21.19	21.52		0	
	36	18	21.35	20.71	21.18	21.18	21.52		0	
64QAM	36	37	21.32	20.68	21.12	21.13	21.50	0-2	0	
	75	0	21.42	20.73	21.22	21.23	21.63		0	
	1	0	21.69	20.81	21.42	21.58	21.65		0-2	0
	1	36	21.54	20.68	21.24	21.44	21.70	0		
	1	74	21.57	20.70	21.23	21.48	21.74	0		
	256QAM	36	0	21.27	20.59	21.08	21.04	21.45	0-3	0
36		18	21.24	20.57	21.02	21.01	21.45	0		
36		37	21.20	20.52	20.96	20.96	21.42	0		
75		0	21.22	20.55	21.04	21.03	21.46	0-5	0	
1		0	19.48	18.81	19.13	19.07	19.52		1.8	
1		36	19.31	18.64	18.95	18.91	19.42		1.8	
256QAM	1	74	19.33	18.65	18.92	18.95	19.43	0-5	1.8	
	36	0	19.24	18.56	19.07	19.03	19.39		1.8	
	36	18	19.20	18.52	19.01	19.00	19.39		1.8	
	36	37	19.17	18.50	18.95	18.96	19.36	1.8		
	75	0	19.24	18.54	19.01	19.01	19.43	1.8		

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 51 of 156

Table H-102

LTE Band 41 PC2 Antenna F Measured P_{Limit} for Hotspot Mode or RCV 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	21.38	20.81	21.27	21.30	21.55	0	0	
	1	25	21.32	20.74	21.16	21.21	21.55		0	
	1	49	21.36	20.73	21.12	21.21	21.54		0	
	16QAM	25	0	21.37	20.76	21.22	21.25	21.58	0-1	0
		25	12	21.32	20.73	21.17	21.20	21.57		0
		25	25	21.34	20.72	21.14	21.19	21.57		0
		64QAM	50	0	21.40	20.76	21.20	21.21	21.60	0-1
1			0	21.70	20.96	21.49	21.62	21.74	0	
1			25	21.58	21.05	21.38	21.52	21.71	0	
256QAM			1	49	21.59	21.02	21.32	21.52	21.69	0-1
	25		0	21.39	20.78	21.27	21.24	21.56	0	
	25		12	21.33	20.74	21.20	21.20	21.55	0	
	64QAM		25	25	21.34	20.74	21.18	21.18	21.55	0-2
		50	0	21.41	20.77	21.23	21.20	21.65	0	
		1	0	21.71	21.13	21.75	21.40	21.84	0	
		64QAM	1	25	21.56	21.02	21.62	21.28	21.82	0-2
1			49	21.58	21.00	21.55	21.26	21.78	0	
25			0	21.18	20.53	21.06	21.02	21.45	0	
256QAM			25	12	21.14	20.52	20.96	20.98	21.43	0-3
	25		25	21.14	20.50	20.93	20.95	21.42	0	
	50		0	21.24	20.57	21.06	21.07	21.47	0	
	256QAM		1	0	19.44	18.63	19.02	19.12	19.41	0-5
		1	25	19.24	18.53	18.97	18.94	19.35	1.8	
		1	49	19.31	18.53	18.99	19.01	19.35	1.8	
		256QAM	25	0	19.26	18.60	19.08	19.10	19.50	0-5
25			12	19.20	18.55	19.02	19.01	19.48	1.8	
25			25	19.20	18.54	19.09	18.98	19.47	1.8	
50			0	19.23	18.58	19.09	19.06	19.49	1.8	

Table H-103

LTE Band 41 PC2 Antenna F Measured P_{Limit} for Hotspot Mode or RCV 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	21.51	20.77	21.22	21.26	21.53	0	0	
	1	12	21.48	20.70	21.08	21.15	21.48		0	
	1	24	21.47	20.77	21.17	21.22	21.56		0	
	16QAM	12	0	21.47	20.76	21.22	21.23	21.60	0-1	0
		12	6	21.44	20.75	21.19	21.21	21.60		0
		12	13	21.44	20.75	21.19	21.19	21.60		0
		64QAM	25	0	21.43	20.74	21.18	21.21	21.59	0-1
1			0	21.79	21.11	21.38	21.61	21.96	0	
1			12	21.84	21.07	21.28	21.58	22.00	0	
256QAM			1	24	21.87	21.14	21.34	21.62	22.07	0-1
	12		0	21.42	20.87	21.25	21.36	21.62	0	
	12		6	21.40	20.88	21.23	21.34	21.73	0	
	64QAM		12	13	21.39	20.86	21.21	21.33	21.75	0-2
		25	0	21.36	20.73	21.24	21.23	21.65	0	
		1	0	21.35	20.87	21.36	21.37	21.50	0	
		256QAM	1	12	21.22	20.82	21.26	21.33	21.32	0-2
1			24	21.37	20.89	21.32	21.37	21.55	0	
12			0	21.26	20.58	21.10	21.04	21.42	0	
256QAM			12	6	21.25	20.55	21.07	21.03	21.40	0-3
	12		13	21.24	20.56	21.05	21.01	21.41	0	
	25		0	21.18	20.49	21.01	20.98	21.40	0	
	256QAM		1	0	19.39	18.41	18.81	18.91	19.47	0-5
		1	12	19.07	18.45	18.64	18.92	19.33	1.8	
		1	24	19.33	18.41	18.70	18.83	19.42	1.8	
		256QAM	12	0	19.24	18.59	19.06	19.08	19.52	0-5
12			6	19.22	18.58	19.03	19.04	19.48	1.8	
12			13	19.21	18.58	19.01	19.03	19.50	1.8	
25			0	19.23	18.57	19.04	19.04	19.52	1.8	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by:
DUT Type: Portable Handset		Technical Manager
		APPENDIX H: Page 52 of 156

H.1.17 LTE Band 48

Table H-104
LTE Band 48 Measured P_{Limit} for Free or Hotspot Mode - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
Conducted Power [dBm]								
QPSK	1	0	20.48	19.54	20.24	20.28	0	0
	1	36	20.50	19.53	20.22	20.29		0
	1	74	20.58	19.69	20.38	20.46		0
	36	0	20.49	19.54	20.35	20.29	0-1	0
	36	18	20.50	19.58	20.39	20.32		0
	36	37	20.50	19.61	20.41	20.37		0
	75	0	20.52	19.60	20.39	20.35		0
16QAM	1	0	20.55	19.48	20.11	20.27	0-1	0
	1	36	20.46	19.45	20.05	20.27		0
	1	74	20.53	19.61	20.13	20.43		0
	36	0	19.49	18.52	19.60	19.27	0-2	1
	36	18	19.48	18.54	19.35	19.30		1
	36	37	19.46	18.57	19.38	19.34		1
	75	0	19.50	18.56	19.37	19.34		1
64QAM	1	0	19.37	18.41	19.24	19.08	0-2	1
	1	36	19.26	18.36	19.19	19.00		1
	1	74	19.42	18.51	19.36	19.08		1
	36	0	18.49	17.50	18.33	18.26	0-3	2
	36	18	18.51	17.55	18.36	18.30		2
	36	37	18.47	17.57	18.38	18.35		2
	75	0	18.51	17.57	18.37	18.34		2
256QAM	1	0	16.46	15.32	16.21	16.13	0-5	4
	1	36	16.31	15.29	16.19	16.11		4
	1	74	16.39	15.42	16.24	16.27		4
	36	0	16.51	15.52	16.33	16.28		4
	36	18	16.51	15.53	16.36	16.31		4
	36	37	16.50	15.58	16.39	16.36		4
	75	0	16.50	15.55	16.36	16.30		4

Table H-105
LTE Band 48 Measured P_{Limit} for Free or Hotspot Mode - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55290 (3555.0 MHz)	55757 (3601.7 MHz)	56223 (3648.3 MHz)	56690 (3695.0 MHz)		
Conducted Power [dBm]								
QPSK	1	0	20.55	19.31	20.26	20.30	0	0
	1	25	20.43	19.44	20.22	20.29		0
	1	49	20.55	19.64	20.39	20.45		0
	25	0	20.49	19.52	20.37	20.29	0-1	0
	25	12	20.50	19.55	20.40	20.32		0
	25	25	20.49	19.57	20.41	20.35		0
	50	0	20.51	19.56	20.41	20.34		0
16QAM	1	0	20.43	19.57	20.11	20.27	0-1	0
	1	25	20.40	19.49	20.05	20.20		0
	1	49	20.48	19.66	20.16	20.43		0
	25	0	19.49	18.55	19.40	19.29	0-2	1
	25	12	19.47	18.57	19.41	19.30		1
	25	25	19.45	18.58	19.40	19.34		1
	50	0	19.52	18.54	19.40	19.32		1
64QAM	1	0	19.37	18.48	19.27	19.16	0-2	1
	1	25	19.33	18.38	19.17	19.00		1
	1	49	19.37	18.52	19.32	19.08		1
	25	0	18.49	17.52	18.36	18.27	0-3	2
	25	12	18.49	17.53	18.38	18.31		2
	25	25	18.48	17.53	18.38	18.32		2
	50	0	18.52	17.57	18.40	18.35		2
256QAM	1	0	16.44	15.36	16.24	16.05	0-5	4
	1	25	16.32	15.29	16.16	16.00		4
	1	49	16.90	15.41	16.27	16.18		4
	25	0	16.47	15.55	16.37	16.30		4
	25	12	16.27	15.58	16.40	16.33		4
	25	25	16.45	15.59	16.40	16.35		4
	50	0	16.52	15.60	16.43	16.34		4

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 53 of 156

Table H-106
LTE Band 48 Measured P_{Limit} for Free or Hotspot Mode - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55265 (3552.5 MHz)	55748 (3600.8 MHz)	56232 (3649.2 MHz)	56715 (3697.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	20.48	19.55	20.26	20.24	0	0
	1	12	20.56	19.39	20.21	20.14		0
	1	24	20.53	19.59	20.39	20.31		0
	12	0	20.44	19.52	20.36	20.27	0-1	0
	12	6	20.42	19.54	20.37	20.28		0
	12	13	20.43	19.55	20.39	20.31		0
16QAM	25	0	20.47	19.57	20.40	20.30	0-1	0
	1	0	20.45	19.57	20.11	20.33		0
	1	12	20.40	19.54	20.05	20.29		0
	1	24	20.42	19.63	20.24	20.35	0-2	0
	12	0	19.45	18.50	19.34	19.24		1
	12	6	19.43	18.49	19.33	19.23		1
64QAM	12	13	19.43	18.52	19.34	19.28	0-2	1
	25	0	19.46	18.54	19.39	19.27		1
	1	0	19.28	18.38	19.33	19.22		0-2
	1	12	19.16	18.28	19.24	19.00	1	
	1	24	19.31	18.40	19.29	19.08	1	
	256QAM	12	0	18.43	17.53	18.38	18.23	0-3
12		6	18.42	17.51	18.36	18.22	2	
12		13	18.42	17.53	18.38	18.25	2	
25		0	18.42	17.54	18.36	18.28	0-5	2
1		0	16.28	15.36	16.24	16.17		4
1		12	16.31	15.45	16.22	16.14		4
256QAM	1	24	16.19	15.42	16.32	16.14	0-5	4
	12	0	16.42	15.48	16.34	16.25		4
	12	6	16.41	15.46	16.34	16.25		4
	12	13	16.39	15.50	16.36	16.27	4	
	25	0	16.46	15.55	16.40	16.31	4	

Table H-107
LTE Band 48 Measured P_{Limit} for RCV Active - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	19.46	18.55	19.31	19.25	0	0
	1	36	19.45	18.49	19.31	19.25		0
	1	74	19.60	18.64	19.44	19.44		0
	36	0	19.62	18.64	19.42	19.35	0-1	0
	36	18	19.64	18.65	19.44	19.39		0
	36	37	19.67	18.67	19.47	19.44		0
16QAM	75	0	19.59	18.66	19.46	19.41	0-1	0
	1	0	19.58	18.67	19.39	19.17		0
	1	36	19.54	18.51	19.26	19.12		0-2
	1	74	19.64	18.64	19.40	19.32	0	
	36	0	19.47	18.51	19.31	19.23	0	
	64QAM	36	18	19.52	18.52	19.32	19.27	0-2
36		37	19.53	18.56	19.35	19.32	0	
75		0	19.56	18.58	19.35	19.31	0	
1		0	19.55	18.64	19.18	19.10	0-2	0
1		36	19.44	18.52	19.16	19.18		0
1		74	19.56	18.60	19.28	19.35		0
256QAM	36	0	18.51	17.62	18.32	18.25	0-3	1
	36	18	18.54	17.53	18.35	18.30		1
	36	37	18.56	17.57	18.37	18.33		1
	75	0	18.50	17.54	18.37	18.32	0-5	1
	1	0	16.42	15.45	16.18	15.98		3
	1	36	16.29	15.29	16.15	15.93		3
256QAM	1	74	16.32	15.44	16.27	16.09	0-5	3
	36	0	16.50	15.57	16.31	16.25		3
	36	18	16.54	15.56	16.35	16.28		3
	36	37	16.56	15.58	16.38	16.33	3	
	75	0	16.47	15.52	16.33	16.29	3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 54 of 156

Table H-108
LTE Band 48 Measured P_{Limit} for RCV Active - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55290 (3555.0 MHz)	55757 (3601.7 MHz)	56223 (3648.3 MHz)	56690 (3695.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	19.51	18.54	19.34	19.27	0	0
	1	25	19.45	18.49	19.31	19.23		0
	1	49	19.60	18.63	19.44	19.41		0
	25	0	19.61	18.64	19.43	19.34	0-1	0
	25	12	19.64	18.65	19.46	19.38		0
	25	25	19.67	18.64	19.46	19.40		0
16QAM	50	0	19.59	18.65	19.45	19.40	0-1	0
	1	0	19.54	18.67	19.34	19.10		0
	1	25	19.52	18.55	19.18	19.23		0
	1	49	19.64	18.60	19.32	19.35	0-2	0
	25	0	19.47	18.50	19.35	19.23		0
	25	12	19.53	18.51	19.37	19.27		0
64QAM	25	25	19.53	18.53	19.36	19.28	0-2	0
	50	0	19.55	18.57	19.34	19.29		0
	1	0	19.56	18.64	19.23	19.10		0-2
	1	25	19.43	18.53	19.16	19.08	0	
	1	49	19.55	18.62	19.28	19.12	0	
	256QAM	25	0	18.50	17.62	18.32	18.25	0-3
25		12	18.55	17.54	18.34	18.29	1	
25		25	18.58	17.56	18.35	18.30	1	
50		0	18.52	17.56	18.38	18.29	0-5	1
1		0	16.34	15.43	16.15	16.11		3
1		25	16.25	15.30	16.07	16.11		3
256QAM	1	49	16.30	15.37	16.17	15.95	0-5	3
	25	0	16.50	15.57	16.36	16.21		3
	25	12	16.54	15.56	16.39	16.10		3
	25	25	16.56	15.57	16.38	16.28	3	
	50	0	16.51	15.56	16.38	16.28	3	

Table H-109
LTE Band 48 Measured P_{Limit} for RCV Active - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55265 (3552.5 MHz)	55748 (3600.8 MHz)	56232 (3649.2 MHz)	56715 (3697.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	19.46	18.55	19.32	19.22	0	0
	1	12	19.49	18.46	19.17	19.04		0
	1	24	19.60	18.54	19.37	19.29		0
	12	0	19.62	18.64	19.40	19.30	0-1	0
	12	6	19.65	18.65	19.39	19.31		0
	12	13	19.68	18.64	19.42	19.35		0
16QAM	25	0	19.59	18.64	19.45	19.35	0-1	0
	1	0	19.52	18.67	19.29	19.29		0
	1	12	19.51	18.54	19.36	19.28		0
	1	24	19.63	18.58	19.34	19.30	0-2	0
	12	0	19.47	18.50	19.27	19.19		0
	12	6	19.52	18.51	19.25	19.18		0
64QAM	12	13	19.53	18.53	19.29	19.21	0-2	0
	25	0	19.56	18.58	19.34	19.23		0
	1	0	19.55	18.64	19.18	19.12		0-2
	1	12	19.45	18.56	19.34	19.09	0	
	1	24	19.55	18.60	19.25	19.16	0	
	256QAM	12	0	18.50	17.63	18.30	18.18	0-3
12		6	18.58	17.57	18.29	18.19	1	
12		13	18.56	17.56	18.31	18.23	1	
25		0	18.51	17.53	18.32	18.23	0-5	1
1		0	16.30	15.48	16.15	16.09		3
1		12	16.33	15.47	16.26	16.13		3
256QAM	1	24	16.28	15.50	16.21	16.13	0-5	3
	12	0	16.50	15.57	16.28	16.18		3
	12	6	16.55	15.57	16.27	16.19		3
	12	13	16.57	15.58	16.29	16.22	3	
	25	0	16.48	15.52	16.35	16.28	3	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 55 of 156

H.2 NR Lower Bandwidth RF Conducted Powers

H.2.1 NR Band 71

Table H-110
NR Band n71 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 15 MHz Bandwidth

NR Band n71 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.17	0	0.0
	1	40	24.07		0.0
	1	77	24.28		0.0
	36	0	23.17	0-1	1.0
	36	22	24.21	0	0.0
	36	43	23.25	0-1	1.0
	75	0	23.24		1.0
DFT-s-OFDM 16QAM	1	1	23.26	0-1	1.0
CP-OFDM QPSK	1	1	22.73	0-1.5	1.5

Table H-111
NR Band n71 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 10 MHz Bandwidth

NR Band n71 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			133600 (668 MHz)	136100 (680.5 MHz)	138600 (693 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	24.15	24.17	24.25	0	0.0
	1	26	24.46	24.29	24.35		0.0
	1	50	24.25	24.28	24.47		0.0
	25	0	23.53	23.22	23.36	0-1	1.0
	25	14	24.42	24.25	24.34	0	0.0
	25	27	23.35	23.25	23.31	0-1	1.0
	50	0	23.42	23.24	23.38		1.0
DFT-s-OFDM 16QAM	1	1	23.28	23.21	23.28	0-1	1.0
CP-OFDM QPSK	1	1	22.71	22.68	22.76	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 56 of 156

Table H-112
NR Band n71 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 5 MHz Bandwidth

NR Band n71 5 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	133100 (665.5 MHz)	136100 (680.5 MHz)	139100 (695.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	24.63	24.19	24.33	0	0.0
	1	13	24.47	24.15	24.19		0.0
	1	23	24.50	24.24	24.25		0.0
	12	0	23.62	23.22	23.42	0-1	1.0
	12	7	24.61	24.24	24.37	0	0.0
	12	13	23.56	23.27	23.39	0-1	1.0
	25	0	23.60	23.27	23.41		1.0
DFT-s-OFDM 16QAM	1	1	23.76	23.15	23.46	0-1	1.0
CP-OFDM QPSK	1	1	22.62	22.73	22.96	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 57 of 156

H.2.2 NR Band 5

Table H-113
NR Band n5 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 15 MHz Bandwidth

NR Band n5 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.41	0	0.0
	1	40	24.36		0.0
	1	77	24.34		0.0
	36	0	23.48	0-1	1.0
	36	22	24.43	0	0.0
	36	43	23.42	0-1	1.0
	75	0	23.45		1.0
DFT-s-OFDM 16QAM	1	1	23.43	0-1	1.0
CP-OFDM QPSK	1	1	22.98	0-1.5	1.5

Table H-114
NR Band n5 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 10 MHz Bandwidth

NR Band n5 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.47	0	0.0
	1	26	24.46		0.0
	1	50	24.37		0.0
	25	0	23.48	0-1	1.0
	25	14	24.45	0	0.0
	25	27	23.42	0-1	1.0
	50	0	23.46		1.0
DFT-s-OFDM 16QAM	1	1	23.54	0-1	1.0
CP-OFDM QPSK	1	1	22.98	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 58 of 156

Table H-115
NR Band n5 Measured P_{Max} for Free, RCV Active, Hotspot Mode - 5 MHz Bandwidth

NR Band n5 5 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	165300 (826.5 MHz)	167300 (836.5 MHz)	169300 (846.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	24.35	24.43	24.33	0	0.0
	1	13	24.34	24.39	24.26		0.0
	1	23	24.42	24.47	24.36		0.0
	12	0	23.43	23.47	23.39	0-1	1.0
	12	7	24.45	24.45	24.36	0	0.0
	12	13	23.47	23.44	23.37	0-1	1.0
	25	0	23.44	23.47	23.37		1.0
DFT-s-OFDM 16QAM	1	1	23.41	23.55	23.37	0-1	1.0
CP-OFDM QPSK	1	1	22.95	22.99	22.91	0-1.5	1.5

H.2.3 NR Band 70

Table H-116
NR Band n70 Measured P_{Max} for RCV Active - 10 MHz Bandwidth

NR Band n70 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.90	0	0.0
	1	26	22.93		0.0
	1	50	22.93		0.0
	25	0	22.02	0-1	1.0
	25	14	22.97	0	0.0
	25	27	22.00	0-1	1.0
	50	0	21.99		1.0
DFT-s-OFDM 16QAM	1	1	21.91	0-1	1.0
CP-OFDM QPSK	1	1	21.47	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 59 of 156

Table H-117
NR Band n70 Measured P_{Max} for RCV Active - 5 MHz Bandwidth

NR Band n70 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			339504 (1697.52 MHz)	341496 (1707.48 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	22.96	22.96	0	0.0
	1	13	22.89	22.89		0.0
	1	23	23.02	23.04		0.0
	12	0	22.01	22.06	0-1	1.0
	12	7	23.00	23.03	0	0.0
	12	13	21.98	21.99	0-1	1.0
	25	0	21.98	22.02		1.0
DFT-s-OFDM 16QAM	1	1	21.97	21.96	0-1	1.0
CP-OFDM QPSK	1	1	21.38	21.49	0-1.5	1.5

Table H-118
NR Band n70 Measured P_{limit} for Free - 10 MHz Bandwidth

NR Band n70 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.53	0	0.0
	1	26	20.60		0.0
	1	50	20.54		0.0
	25	0	20.62	0-1	0.0
	25	14	20.62	0	0.0
	25	27	20.59	0-1	0.0
	50	0	20.62		0.0
DFT-s-OFDM 16QAM	1	1	20.57	0-1	0.0
CP-OFDM QPSK	1	1	20.60	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 60 of 156

Table H-119
NR Band n70 Measured P_{limit} for Free - 5 MHz Bandwidth

NR Band n70 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			339504 (1697.52 MHz)	341496 (1707.48 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	20.54	20.67	0	0.0
	1	13	20.49	20.55		0.0
	1	23	20.56	20.63		0.0
	12	0	20.57	20.60	0-1	0.0
	12	7	20.59	20.62	0	0.0
	12	13	20.61	20.64	0-1	0.0
	25	0	20.60	20.64		0.0
DFT-s-OFDM 16QAM	1	1	20.53	20.64	0-1	0.0
CP-OFDM QPSK	1	1	20.52	20.68	0-1.5	0.0

Table H-120
NR Band n70 Measured P_{limit} for Hotspot Mode - 10 MHz Bandwidth

NR Band n70 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.01	0	0.0
	1	26	19.12		0.0
	1	50	19.03		0.0
	25	0	19.04	0-1	0.0
	25	14	19.08	0	0.0
	25	27	19.05	0-1	0.0
	50	0	19.09		0.0
DFT-s-OFDM 16QAM	1	1	19.14	0-1	0.0
CP-OFDM QPSK	1	1	19.10	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 61 of 156

Table H-121
NR Band n70 Measured P_{limit} for Hotspot Mode - 5 MHz Bandwidth

NR Band n70 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			339504 (1697.52 MHz)	341496 (1707.48 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	19.03	19.10	0	0.0
	1	13	18.96	18.99		0.0
	1	23	19.07	19.10		0.0
	12	0	19.05	19.07	0-1	0.0
	12	7	19.06	19.08	0	0.0
	12	13	19.05	19.10	0-1	0.0
	25	0	19.06	19.11		0.0
DFT-s-OFDM 16QAM	1	1	19.05	19.18	0-1	0.0
CP-OFDM QPSK	1	1	19.11	19.14	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 62 of 156

H.2.4 NR Band 66 Antenna B

Table H-122
NR Band n66 Antenna B Measured P_{max} for RCV Active - 30 MHz Bandwidth

NR Band n66 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.41	0	0.0
	1	80	23.60		0.0
	1	158	23.49		0.0
	80	0	22.58	0-1	1.0
	80	40	23.58	0	0.0
	80	80	22.55	0-1	1.0
	160	0	22.48		1.0
DFT-s-OFDM 16QAM	1	1	22.53	0-1	1.0
CP-OFDM QPSK	1	1	21.92	0-1.5	1.5

Table H-123
NR Band n66 Antenna B Measured P_{max} for RCV Active - 25 MHz Bandwidth

NR Band n66 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.41	0	0.0
	1	67	23.42		0.0
	1	131	23.52		0.0
	64	0	22.52	0-1	1.0
	64	35	23.51	0	0.0
	64	69	22.57	0-1	1.0
	128	0	22.46		1.0
DFT-s-OFDM 16QAM	1	1	22.47	0-1	1.0
CP-OFDM QPSK	1	1	21.83	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 63 of 156

Table H-124
NR Band n66 Antenna B Measured P_{max} for RCV Active - 20 MHz Bandwidth

NR Band n66 20 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	344000 (1720 MHz)	349000 (1745 MHz)	354000 (1770 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.29	23.35	23.32	0	0.0
	1	53	23.60	23.57	23.36		0.0
	1	104	23.59	23.54	23.49		0.0
	50	0	22.53	22.53	22.36	0-1	1.0
	50	28	23.51	23.54	23.38	0	0.0
	50	56	22.54	22.54	22.50	0-1	1.0
	100	0	22.47	22.46	22.29		1.0
DFT-s-OFDM 16QAM	1	1	22.15	22.49	22.42	0-1	1.0
CP-OFDM QPSK	1	1	21.71	21.89	21.78	0-1.5	1.5

Table H-125
NR Band n66 Antenna B Measured P_{max} for RCV Active - 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.35	23.40	23.20	0	0.0
	1	40	23.49	23.40	23.22		0.0
	1	77	23.60	23.62	23.43		0.0
	36	0	22.46	22.52	22.33	0-1	1.0
	36	22	23.50	23.45	23.42	0	0.0
	36	43	22.47	22.51	22.44	0-1	1.0
	75	0	22.47	22.44	22.33		1.0
DFT-s-OFDM 16QAM	1	1	22.29	22.28	22.21	0-1	1.0
CP-OFDM QPSK	1	1	21.76	21.85	21.72	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 64 of 156

Table H-126
NR Band n66 Antenna B Measured P_{max} for RCV Active - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.37	23.44	23.32	0	0.0
	1	26	23.57	23.45	23.51		0.0
	1	50	23.63	23.56	23.57		0.0
	25	0	22.54	22.52	22.46	0-1	1.0
	25	14	23.54	23.52	23.50	0	0.0
	25	27	22.57	22.62	22.56	0-1	1.0
	50	0	22.52	22.56	22.42		1.0
DFT-s-OFDM 16QAM	1	1	22.41	22.44	22.30	0-1	1.0
CP-OFDM QPSK	1	1	21.80	21.90	21.69	0-1.5	1.5

Table H-127
NR Band n66 Antenna B Measured P_{max} for RCV Active - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.37	23.42	23.38	0	0.0
	1	13	23.38	23.35	23.37		0.0
	1	23	23.50	23.51	23.51		0.0
	12	0	22.47	22.46	22.52	0-1	1.0
	12	7	23.45	23.44	23.51	0	0.0
	12	13	22.47	22.50	22.54	0-1	1.0
	25	0	22.48	22.48	22.53		1.0
DFT-s-OFDM 16QAM	1	1	22.35	22.43	22.43	0-1	1.0
CP-OFDM QPSK	1	1	21.83	21.94	21.95	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 65 of 156

Table H-128
NR Band n66 Antenna B Measured P_{Limit} for Hotspot Mode - 30 MHz Bandwidth

NR Band n66 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.95	0	0.0
	1	80	19.05		0.0
	1	158	18.82		0.0
	80	0	19.01	0-1	0.0
	80	40	18.99	0-1	0.0
	80	80	18.89		0.0
	160	0	18.94		0.0
DFT-s-OFDM 16QAM	1	1	18.93	0-1	0.0
CP-OFDM QPSK	1	1	18.99	0-1.5	0.0

Table H-129
NR Band n66 Antenna B Measured P_{Limit} for Hotspot Mode - 25 MHz Bandwidth

NR Band n66 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.93	0	0.0
	1	67	18.85		0.0
	1	131	18.81		0.0
	64	0	18.98	0-1	0.0
	64	35	18.90	0	0.0
	64	69	18.89	0-1	0.0
	128	0	18.97		0.0
DFT-s-OFDM 16QAM	1	1	18.81	0-1	0.0
CP-OFDM QPSK	1	1	18.98	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 66 of 156

Table H-130
NR Band n66 Antenna B Measured P_{Limit} for Hotspot Mode - 20 MHz Bandwidth

NR Band n66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			344000 (1720 MHz)	349000 (1745 MHz)	354000 (1770 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.04	18.97	18.64	0	0.0
	1	53	19.08	19.02	18.68		0.0
	1	104	19.00	18.90	18.62		0.0
	50	0	19.07	18.99	18.60	0-1	0.0
	50	28	19.05	18.94	18.64	0	0.0
	50	56	18.99	18.92	18.59	0-1	0.0
	100	0	19.06	18.97	18.60		0.0
DFT-s-OFDM 16QAM	1	1	19.11	19.05	18.68	0-1	0.0
CP-OFDM QPSK	1	1	19.11	19.02	18.67	0-1.5	0.0

Table H-131
NR Band n66 Antenna B Measured P_{Limit} for Hotspot Mode – 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.12	18.99	18.73	0	0.0
	1	40	19.05	18.91	18.62		0.0
	1	77	19.02	18.92	18.74		0.0
	36	0	19.12	19.02	18.71	0-1	0.0
	36	22	19.14	18.97	18.71	0	0.0
	36	43	19.03	18.94	18.76	0-1	0.0
	75	0	19.13	19.00	18.69		0.0
DFT-s-OFDM 16QAM	1	1	19.14	19.10	18.62	0-1	0.0
CP-OFDM QPSK	1	1	19.05	19.04	18.65	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 67 of 156

Table H-132
NR Band n66 Antenna B Measured P_{Limit} for Hotspot Mode - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.01	19.02	18.76	0	0.0
	1	26	19.12	19.00	18.89		0.0
	1	50	19.07	18.97	18.79		0.0
	25	0	19.11	18.98	18.78	0-1	0.0
	25	14	19.14	19.00	18.77	0	0.0
	25	27	19.11	18.97	18.80	0-1	0.0
	50	0	19.15	18.96	18.79		0.0
DFT-s-OFDM 16QAM	1	1	19.13	19.08	18.68	0-1	0.0
CP-OFDM QPSK	1	1	19.18	19.00	18.86	0-1.5	0.0

Table H-133
NR Band n66 Antenna B Measured P_{Limit} for Hotspot Mode - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.13	18.99	18.76	0	0.0
	1	13	19.03	18.88	18.70		0.0
	1	23	19.11	18.96	18.77		0.0
	12	0	19.08	18.94	18.75	0-1	0.0
	12	7	19.09	18.97	18.80	0	0.0
	12	13	19.10	18.91	18.76	0-1	0.0
	25	0	19.11	18.95	18.77		0.0
DFT-s-OFDM 16QAM	1	1	19.09	19.02	18.94	0-1	0.0
CP-OFDM QPSK	1	1	19.03	18.97	18.78	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 68 of 156

Table H-134
NR Band n66 Antenna B Measured P_{Limit} for Free - 30 MHz Bandwidth

NR Band n66 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.46	0	0.0
	1	80	21.52		0.0
	1	158	21.31		0.0
	80	0	21.55	0-1	0.0
	80	40	21.46	0-1	0.0
	80	80	21.37		0.0
	160	0	21.44		0.0
DFT-s-OFDM 16QAM	1	1	21.65	0-1	0.0
CP-OFDM QPSK	1	1	21.49	0-1.5	0.0

Table H-135
NR Band n66 Antenna B Measured P_{Limit} for Free - 25 MHz Bandwidth

NR Band n66 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.50	0	0.0
	1	67	21.38		0.0
	1	131	21.36		0.0
	64	0	21.54	0-1	0.0
	64	35	21.50	0-1	0.0
	64	69	21.39		0.0
	128	0	21.47		0.0
DFT-s-OFDM 16QAM	1	1	21.49	0-1	0.0
CP-OFDM QPSK	1	1	21.42	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 69 of 156

Table H-136
NR Band n66 Antenna B Measured P_{Limit} for Free - 20 MHz Bandwidth

NR Band n66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			344000 (1720 MHz)	349000 (1745 MHz)	354000 (1770 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.44	21.49	21.31	0	0.0
	1	53	21.59	21.52	21.46		0.0
	1	104	21.47	21.43	21.27		0.0
	50	0	21.61	21.55	21.29	0-1	0.0
	50	28	21.54	21.48	21.28	0	0.0
	50	56	21.55	21.49	21.30	0-1	0.0
	100	0	21.54	21.51	21.31		0.0
DFT-s-OFDM 16QAM	1	1	21.60	21.60	21.40	0-1	0.0
CP-OFDM QPSK	1	1	21.61	21.53	21.29	0-1.5	0.0

Table H-137
NR Band n66 Antenna B Measured P_{Limit} for Free - 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.58	21.59	21.32	0	0.0
	1	40	21.55	21.55	21.22		0.0
	1	77	21.60	21.50	21.25		0.0
	36	0	21.61	21.53	21.25	0-1	0.0
	36	22	21.55	21.55	21.26	0	0.0
	36	43	21.45	21.40	21.30	0-1	0.0
	75	0	21.58	21.42	21.24		0.0
DFT-s-OFDM 16QAM	1	1	21.60	21.50	21.35	0-1	0.0
CP-OFDM QPSK	1	1	21.60	21.49	21.20	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 70 of 156

Table H-138
NR Band n66 Antenna B Measured P_{Limit} for Free - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.64	21.57	21.18	0	0.0
	1	26	21.56	21.45	21.11		0.0
	1	50	21.58	21.43	21.21		0.0
	25	0	21.68	21.51	21.25	0-1	0.0
	25	14	21.66	21.50	21.25	0	0.0
	25	27	21.62	21.49	21.28	0-1	0.0
	50	0	21.66	21.49	21.19		0.0
DFT-s-OFDM 16QAM	1	1	21.71	21.74	21.42	0-1	0.0
CP-OFDM QPSK	1	1	21.68	21.53	21.25	0-1.5	0.0

Table H-139
NR Band n66 Antenna B Measured P_{Limit} for Free - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.63	21.51	21.29	0	0.0
	1	13	21.50	21.39	21.22		0.0
	1	23	21.65	21.44	21.29		0.0
	12	0	21.61	21.49	21.29	0-1	0.0
	12	7	21.66	21.47	21.28	0	0.0
	12	13	21.63	21.46	21.28	0-1	0.0
	25	0	21.64	21.49	21.30		0.0
DFT-s-OFDM 16QAM	1	1	21.71	21.45	21.25	0-1	0.0
CP-OFDM QPSK	1	1	21.70	21.49	21.34	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 71 of 156

H.2.5 NR Band 66 Antenna F

Table H-140
NR Band n66 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode – 30 MHz Bandwidth

NR Band n66 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.86	0	0.0
	1	80	19.02		0.0
	1	158	18.78		0.0
	80	0	18.96	0-1	0.0
	80	40	19.00	0	0.0
	80	80	18.99	0-1	0.0
	160	0	18.97		0.0
DFT-s-OFDM 16QAM	1	1	18.96	0-1	0.0
CP-OFDM QPSK	1	1	18.88	0-1.5	0.0

Table H-141
NR Band n66 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode – 25 MHz Bandwidth

NR Band n66 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.82	0	0.0
	1	67	18.87		0.0
	1	131	18.92		0.0
	64	0	18.99	0-1	0.0
	64	35	18.98	0	0.0
	64	69	18.98	0-1	0.0
	128	0	18.98		0.0
DFT-s-OFDM 16QAM	1	1	19.05	0-1	0.0
CP-OFDM QPSK	1	1	18.91	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 72 of 156

Table H-142
NR Band n66 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
20 MHz Bandwidth

NR Band n66 20 MHz Bandwidth								
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]	
Modulation	RB Size	RB Offset	344000 (1720 MHz)	349000 (1745 MHz)	354000 (1770 MHz)			
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	18.83	18.84	18.78	0	0.0	
	1	53	19.00	18.98	18.79		0.0	
	1	104	18.96	18.88	18.72		0.0	
		50	0	18.99	18.95	18.81	0-1	0.0
		50	28	18.99	18.93	18.86	0	0.0
		50	56	19.00	18.94	18.83	0-1	0.0
		100	0	19.01	18.92	18.81		0.0
DFT-s-OFDM 16QAM	1	1	19.00	18.76	18.91	0-1	0.0	
CP-OFDM QPSK	1	1	18.88	18.84	18.88	0-1.5	0.0	

Table H-143
NR Band n66 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth								
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]	
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)			
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	18.86	18.98	18.73	0	0.0	
	1	40	18.97	18.86	18.62		0.0	
	1	77	19.00	18.94	18.77		0.0	
		36	0	18.97	19.00	18.83	0-1	0.0
		36	22	19.01	18.99	18.82	0	0.0
		36	43	19.03	19.02	18.85	0-1	0.0
		75	0	19.03	18.97	18.86		0.0
DFT-s-OFDM 16QAM	1	1	18.99	19.07	18.79	0-1	0.0	
CP-OFDM QPSK	1	1	18.89	19.08	18.80	0-1.5	0.0	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 73 of 156

Table H-144
NR Band n66 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.88	18.94	18.85	0	0.0
	1	26	19.08	18.96	18.91		0.0
	1	50	19.01	18.94	18.90		0.0
	25	0	19.04	19.00	18.92	0-1	0.0
	25	14	19.01	18.96	18.91	0	0.0
	25	27	19.03	19.00	18.94	0-1	0.0
	50	0	19.01	18.96	18.95		0.0
DFT-s-OFDM 16QAM	1	1	18.97	19.13	19.01	0-1	0.0
CP-OFDM QPSK	1	1	18.92	19.04	18.94	0-1.5	0.0

Table H-145
NR Band n66 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.82	18.98	18.81	0	0.0
	1	13	18.83	18.86	18.82		0.0
	1	23	18.94	18.95	18.91		0.0
	12	0	18.93	18.94	18.90	0-1	0.0
	12	7	18.94	18.96	18.89	0	0.0
	12	13	18.90	19.00	18.89	0-1	0.0
	25	0	18.96	18.96	18.93		0.0
DFT-s-OFDM 16QAM	1	1	18.92	19.00	18.96	0-1	0.0
CP-OFDM QPSK	1	1	18.90	19.03	18.88	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 74 of 156

Table H-146
**NR Band n66 Antenna F Measured P_{Limit} for Free-
 30 MHz Bandwidth**

NR Band n66 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.10	0	0.0
	1	80	20.26		0.0
	1	158	20.10		0.0
	80	0	20.21	0-1	0.0
	80	40	20.28	0	0.0
	80	80	20.25	0-1	0.0
	160	0	20.23		0.0
DFT-s-OFDM 16QAM	1	1	20.18	0-1	0.0
CP-OFDM QPSK	1	1	20.06	0-1.5	0.0

Table H-147
**NR Band n66 Antenna F Measured P_{Limit} for Free-
 25 MHz Bandwidth**

NR Band n66 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.02	0	0.0
	1	67	20.16		0.0
	1	131	20.16		0.0
	64	0	20.18	0-1	0.0
	64	35	20.21	0	0.0
	64	69	20.26	0-1	0.0
	128	0	20.23		0.0
DFT-s-OFDM 16QAM	1	1	20.14	0-1	0.0
CP-OFDM QPSK	1	1	20.18	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 75 of 156

Table H-148
NR Band n66 Antenna F Measured P_{Limit} for Free–
20 MHz Bandwidth

NR Band n66 20 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	344000 (1720 MHz)	349000 (1745 MHz)	354000 (1770 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.99	20.05	20.09	0	0.0
	1	53	20.16	20.20	20.14		0.0
	1	104	20.11	20.18	20.00		0.0
	50	0	20.13	20.23	20.11	0-1	0.0
	50	28	20.19	20.27	20.14	0	0.0
	50	56	20.22	20.23	20.15	0-1	0.0
	100	0	20.22	20.24	20.11		0.0
DFT-s-OFDM 16QAM	1	1	20.02	20.17	20.21	0-1	0.0
CP-OFDM QPSK	1	1	20.02	20.15	20.09	0-1.5	0.0

Table H-149
NR Band n66 Antenna F Measured P_{Limit} for Free–
15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.03	20.17	20.00	0	0.0
	1	40	20.12	20.12	19.91		0.0
	1	77	20.19	20.19	20.01		0.0
	36	0	20.16	20.22	20.09	0-1	0.0
	36	22	20.20	20.23	20.09	0	0.0
	36	43	20.20	20.27	20.10	0-1	0.0
	75	0	20.17	20.23	20.09		0.0
DFT-s-OFDM 16QAM	1	1	20.13	20.16	19.90	0-1	0.0
CP-OFDM QPSK	1	1	20.03	20.22	19.99	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 76 of 156

Table H-150
**NR Band n66 Antenna F Measured P_{Limit} for Free-
 10 MHz Bandwidth**

NR Band n66 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.00	20.19	20.12	0	0.0
	1	26	20.26	20.26	20.14		0.0
	1	50	20.22	20.20	20.14		0.0
	25	0	20.23	20.25	20.18	0-1	0.0
	25	14	20.21	20.23	20.17	0	0.0
	25	27	20.23	20.28	20.20	0-1	0.0
	50	0	20.24	20.28	20.20		0.0
DFT-s-OFDM 16QAM	1	1	20.17	20.21	20.14	0-1	0.0
CP-OFDM QPSK	1	1	20.07	20.25	20.13	0-1.5	0.0

Table H-151
**NR Band n66 Antenna F Measured P_{Limit} for Free-
 5 MHz Bandwidth**

NR Band n66 5 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.12	20.21	20.03	0	0.0
	1	13	20.07	20.12	20.03		0.0
	1	23	20.18	20.23	20.17		0.0
	12	0	20.20	20.23	20.17	0-1	0.0
	12	7	20.20	20.21	20.18	0	0.0
	12	13	20.16	20.31	20.17	0-1	0.0
	25	0	20.20	20.27	20.20		0.0
DFT-s-OFDM 16QAM	1	1	20.41	20.26	20.10	0-1	0.0
CP-OFDM QPSK	1	1	20.02	20.27	20.11	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 77 of 156

H.2.6 NR Band 25 Antenna B

Table H-152
NR Band n25 Antenna B Measured P_{Max} for RCV Active - 30 MHz Bandwidth

NR Band n25 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.46	0	0.0
	1	80	23.50		0.0
	1	158	23.26		0.0
	80	0	22.51	0-1	1.0
	80	40	23.47	0	0.0
	80	80	22.47	0-1	1.0
	160	0	22.48		1.0
DFT-s-OFDM 16QAM	1	1	22.63	0-1	1.0
CP-OFDM QPSK	1	1	22.01	0-1.5	1.5

Table H-153
NR Band n25 Antenna B Measured P_{Max} for RCV Active - 25 MHz Bandwidth

NR Band n25 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.46	0	0.0
	1	67	23.35		0.0
	1	131	23.29		0.0
	64	0	22.47	0-1	1.0
	64	35	23.47	0	0.0
	64	69	22.41	0-1	1.0
	128	0	22.45		1.0
DFT-s-OFDM 16QAM	1	1	22.54	0-1	1.0
CP-OFDM QPSK	1	1	22.08	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 78 of 156

Table H-154
NR Band n25 Antenna B Measured P_{Max} for RCV Active - 20 MHz Bandwidth

NR Band n25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376500 (1882.5 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.45	23.42	23.35	0	0.0
	1	53	23.68	23.51	23.39		0.0
	1	104	23.60	23.42	23.29		0.0
	50	0	22.66	22.49	22.41	0-1	1.0
	50	28	23.68	23.46	23.35	0	0.0
	50	56	22.71	22.45	22.37	0-1	1.0
	100	0	22.69	22.43	22.36		1.0
DFT-s-OFDM 16QAM	1	1	22.55	22.50	22.37	0-1	1.0
CP-OFDM QPSK	1	1	22.02	21.96	21.87	0-1.5	1.5

Table H-155
NR Band n25 Antenna B Measured P_{Max} for RCV Active - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.49	23.40	23.26	0	0.0
	1	40	23.53	23.38	23.19		0.0
	1	77	23.65	23.38	23.33		0.0
	36	0	22.66	22.44	22.38	0-1	1.0
	36	22	23.67	23.42	23.34	0	0.0
	36	43	22.70	22.47	22.36	0-1	1.0
	75	0	22.66	22.45	22.39		1.0
DFT-s-OFDM 16QAM	1	1	22.61	22.43	22.40	0-1	1.0
CP-OFDM QPSK	1	1	22.00	21.95	21.80	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 79 of 156

Table H-156
NR Band n25 Antenna B Measured P_{Max} for RCV Active - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.52	23.38	23.25	0	0.0
	1	26	23.67	23.45	23.37		0.0
	1	50	23.69	23.44	23.32		0.0
	25	0	22.63	22.47	22.38	0-1	1.0
	25	14	23.63	23.49	23.32	0	0.0
	25	27	22.65	22.47	22.36	0-1	1.0
	50	0	22.65	22.43	22.37		1.0
DFT-s-OFDM 16QAM	1	1	22.60	22.47	22.62	0-1	1.0
CP-OFDM QPSK	1	1	22.00	21.94	21.83	0-1.5	1.5

Table H-157
NR Band n25 Antenna B Measured P_{Max} for RCV Active - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.52	23.39	23.26	0	0.0
	1	13	23.51	23.34	23.19		0.0
	1	23	23.56	23.39	23.34		0.0
	12	0	22.57	22.43	22.34	0-1	1.0
	12	7	23.55	23.43	23.31	0	0.0
	12	13	22.58	22.48	22.30	0-1	1.0
	25	0	22.58	22.44	22.35		1.0
DFT-s-OFDM 16QAM	1	1	22.49	22.47	22.27	0-1	1.0
CP-OFDM QPSK	1	1	22.02	21.96	21.70	0-1.5	1.5

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 80 of 156

Table H-158
NR Band n25 Antenna B Measured P_{limit} for Hotspot Mode - 30 MHz Bandwidth

NR Band n25 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.58	0	0.0
	1	80	18.58		0.0
	1	158	18.40		0.0
	80	0	18.60	0-1	0.0
	80	40	18.60	0	0.0
	80	80	18.58	0-1	0.0
	160	0	18.57		0.0
DFT-s-OFDM 16QAM	1	1	18.76	0-1	0.0
CP-OFDM QPSK	1	1	18.62	0-1.5	0.0

Table H-159
NR Band n25 Antenna B Measured P_{limit} for Hotspot Mode - 25 MHz Bandwidth

NR Band n25 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.57	0	0.0
	1	67	18.46		0.0
	1	131	18.42		0.0
	64	0	18.59	0-1	0.0
	64	35	18.57	0	0.0
	64	69	18.56	0-1	0.0
	128	0	18.56		0.0
DFT-s-OFDM 16QAM	1	1	18.55	0-1	0.0
CP-OFDM QPSK	1	1	18.61	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 81 of 156

Table H-160
NR Band n25 Antenna B Measured P_{limit} for Hotspot Mode - 20 MHz Bandwidth
NR Band n25
20 MHz Bandwidth

Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376500 (1882.5 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.60	18.61	18.52	0	0.0
	1	53	18.80	18.63	18.53		0.0
	1	104	18.74	18.50	18.44		0.0
	50	0	18.71	18.59	18.51	0-1	0.0
	50	28	18.78	18.55	18.50	0	0.0
	50	56	18.80	18.55	18.49	0-1	0.0
	100	0	18.79	18.58	18.50		0.0
DFT-s-OFDM 16QAM	1	1	18.69	18.63	18.67	0-1	0.0
CP-OFDM QPSK	1	1	18.72	18.61	18.48	0-1.5	0.0

Table H-161
NR Band n25 Antenna B Measured P_{limit} for Hotspot Mode - 15 MHz Bandwidth
NR Band n25
15 MHz Bandwidth

Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.64	18.57	18.40	0	0.0
	1	40	18.62	18.46	18.35		0.0
	1	77	18.79	18.55	18.40		0.0
	36	0	18.72	18.56	18.45	0-1	0.0
	36	22	18.76	18.58	18.44	0	0.0
	36	43	18.78	18.58	18.44	0-1	0.0
	75	0	18.75	18.57	18.45		0.0
DFT-s-OFDM 16QAM	1	1	18.69	18.55	18.56	0-1	0.0
CP-OFDM QPSK	1	1	18.68	18.56	18.40	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 82 of 156

Table H-162
NR Band n25 Antenna B Measured P_{limit} for Hotspot Mode - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.54	18.53	18.37	0	0.0
	1	26	18.73	18.60	18.43		0.0
	1	50	18.71	18.51	18.38		0.0
	25	0	18.68	18.56	18.43	0-1	0.0
	25	14	18.69	18.54	18.39	0	0.0
	25	27	18.75	18.56	18.42	0-1	0.0
	50	0	18.73	18.54	18.45		0.0
DFT-s-OFDM 16QAM	1	1	18.82	18.68	18.40	0-1	0.0
CP-OFDM QPSK	1	1	18.71	18.59	18.34	0-1.5	0.0

Table H-163
NR Band n25 Antenna B Measured P_{limit} for Hotspot Mode - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.65	18.49	18.35	0	0.0
	1	13	18.57	18.46	18.26		0.0
	1	23	18.68	18.54	18.40		0.0
	12	0	18.65	18.53	18.36	0-1	0.0
	12	7	18.65	18.54	18.37	0	0.0
	12	13	18.68	18.56	18.38	0-1	0.0
	25	0	18.65	18.53	18.39		0.0
DFT-s-OFDM 16QAM	1	1	18.66	18.58	18.46	0-1	0.0
CP-OFDM QPSK	1	1	18.62	18.48	18.44	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 83 of 156

Table H-164
NR Band n25 Antenna B Measured P_{Limit} for Free - 30 MHz Bandwidth
NR Band n25
30 MHz Bandwidth

NR Band n25 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.31	0	0.0
	1	80	21.37		0.0
	1	158	21.09		0.0
	80	0	21.32	0-1	0.0
	80	40	21.31	0	0.0
	80	80	21.30	0-1	0.0
	160	0	21.27		0.0
DFT-s-OFDM 16QAM	1	1	21.37	0-1	0.0
CP-OFDM QPSK	1	1	21.33	0-1.5	0.0

Table H-165
NR Band n25 Antenna B Measured P_{Limit} for Free - 25 MHz Bandwidth
NR Band n25
25 MHz Bandwidth

NR Band n25 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.37	0	0.0
	1	67	21.19		0.0
	1	131	21.15		0.0
	64	0	21.28	0-1	0.0
	64	35	21.32	0	0.0
	64	69	21.29	0-1	0.0
	128	0	21.28		0.0
DFT-s-OFDM 16QAM	1	1	21.33	0-1	0.0
CP-OFDM QPSK	1	1	21.31	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 84 of 156

Table H-166
NR Band n25 Antenna B Measured P_{Limit} for Free - 20 MHz Bandwidth

NR Band n25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376500 (1882.5 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.38	21.30	21.17	0	0.0
	1	53	21.56	21.34	21.24		0.0
	1	104	21.42	21.23	21.14		0.0
	50	0	21.45	21.29	21.21	0-1	0.0
	50	28	21.50	21.31	21.19	0	0.0
	50	56	21.53	21.28	21.16	0-1	0.0
	100	0	21.52	21.26	21.19		0.0
DFT-s-OFDM 16QAM	1	1	21.21	21.29	21.33	0-1	0.0
CP-OFDM QPSK	1	1	21.39	21.31	21.19	0-1.5	0.0

Table H-167
NR Band n25 Antenna B Measured P_{Limit} for Free - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.36	21.30	21.12	0	0.0
	1	40	21.40	21.23	21.06		0.0
	1	77	21.56	21.25	21.09		0.0
	36	0	21.49	21.31	21.14	0-1	0.0
	36	22	21.51	21.26	21.12	0	0.0
	36	43	21.58	21.30	21.15	0-1	0.0
	75	0	21.54	21.27	21.12		0.0
DFT-s-OFDM 16QAM	1	1	21.51	21.28	21.11	0-1	0.0
CP-OFDM QPSK	1	1	21.45	21.33	21.10	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 85 of 156

Table H-168
NR Band n25 Antenna B Measured P_{Limit} for Free - 10 MHz Bandwidth
NR Band n25
10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.42	21.30	21.11	0	0.0
	1	26	21.53	21.30	21.21		0.0
	1	50	21.52	21.29	21.13		0.0
	25	0	21.49	21.28	21.18	0-1	0.0
	25	14	21.45	21.27	21.16	0	0.0
	25	27	21.48	21.27	21.14	0-1	0.0
	50	0	21.45	21.26	21.18		0.0
DFT-s-OFDM 16QAM	1	1	21.54	21.16	21.20	0-1	0.0
CP-OFDM QPSK	1	1	21.41	21.29	21.13	0-1.5	0.0

Table H-169
NR Band n25 Antenna B Measured P_{Limit} for Free - 5 MHz Bandwidth
NR Band n25
5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.40	21.28	21.07	0	0.0
	1	13	21.33	21.20	21.04		0.0
	1	23	21.45	21.28	21.13		0.0
	12	0	21.40	21.30	21.13	0-1	0.0
	12	7	21.38	21.27	21.11	0	0.0
	12	13	21.42	21.28	21.10	0-1	0.0
	25	0	21.43	21.26	21.13		0.0
DFT-s-OFDM 16QAM	1	1	21.31	21.24	21.22	0-1	0.0
CP-OFDM QPSK	1	1	21.36	21.23	21.11	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 86 of 156

H.2.7 NR Band 25 Antenna F

Table H-170
NR Band n25 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode – 30 MHz Bandwidth

NR Band n25 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.58	0	0.0
	1	80	18.58		0.0
	1	158	18.40		0.0
	80	0	18.60	0-1	0.0
	80	40	18.60	0	0.0
	80	80	18.58	0-1	0.0
	160	0	18.57		0.0
DFT-s-OFDM 16QAM	1	1	18.76	0-1	0.0
CP-OFDM QPSK	1	1	18.62	0-1.5	0.0

Table H-171
NR Band n25 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode – 25 MHz Bandwidth

NR Band n25 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.57	0	0.0
	1	67	18.46		0.0
	1	131	18.42		0.0
	64	0	18.59	0-1	0.0
	64	35	18.57	0	0.0
	64	69	18.56	0-1	0.0
	128	0	18.56		0.0
DFT-s-OFDM 16QAM	1	1	18.55	0-1	0.0
CP-OFDM QPSK	1	1	18.61	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 87 of 156

Table H-172
NR Band n25 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
20 MHz Bandwidth

NR Band n25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376500 (1882.5 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.60	18.61	18.52	0	0.0
	1	53	18.80	18.63	18.53		0.0
	1	104	18.74	18.50	18.44		0.0
	50	0	18.71	18.59	18.51	0-1	0.0
	50	28	18.78	18.55	18.50	0	0.0
	50	56	18.80	18.55	18.49	0-1	0.0
	100	0	18.79	18.58	18.50		0.0
DFT-s-OFDM 16QAM	1	1	18.69	18.63	18.67	0-1	0.0
CP-OFDM QPSK	1	1	18.72	18.61	18.48	0-1.5	0.0

Table H-173
NR Band n25 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.64	18.57	18.40	0	0.0
	1	40	18.62	18.46	18.35		0.0
	1	77	18.79	18.55	18.40		0.0
	36	0	18.72	18.56	18.45	0-1	0.0
	36	22	18.76	18.58	18.44	0	0.0
	36	43	18.78	18.58	18.44	0-1	0.0
	75	0	18.75	18.57	18.45		0.0
DFT-s-OFDM 16QAM	1	1	18.69	18.55	18.56	0-1	0.0
CP-OFDM QPSK	1	1	18.68	18.56	18.40	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 88 of 156

Table H-174
NR Band n25 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.54	18.53	18.37	0	0.0
	1	26	18.73	18.60	18.43		0.0
	1	50	18.71	18.51	18.38		0.0
	25	0	18.68	18.56	18.43	0-1	0.0
	25	14	18.69	18.54	18.39	0	0.0
	25	27	18.75	18.56	18.42	0-1	0.0
	50	0	18.73	18.54	18.45		0.0
DFT-s-OFDM 16QAM	1	1	18.82	18.68	18.40	0-1	0.0
CP-OFDM QPSK	1	1	18.71	18.59	18.34	0-1.5	0.0

Table H-175
NR Band n25 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.65	18.49	18.35	0	0.0
	1	13	18.57	18.46	18.26		0.0
	1	23	18.68	18.54	18.40		0.0
	12	0	18.65	18.53	18.36	0-1	0.0
	12	7	18.65	18.54	18.37	0	0.0
	12	13	18.68	18.56	18.38	0-1	0.0
	25	0	18.65	18.53	18.39		0.0
DFT-s-OFDM 16QAM	1	1	18.66	18.58	18.46	0-1	0.0
CP-OFDM QPSK	1	1	18.62	18.48	18.44	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 89 of 156

Table H-176
**NR Band n25 Antenna F Measured P_{Limit} for Free-
 30 MHz Bandwidth**

NR Band n25 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.03	0	0.0
	1	80	21.21		0.0
	1	158	20.99		0.0
	80	0	21.16	0-1	0.0
	80	40	21.25	0	0.0
	80	80	21.16	0-1	0.0
	160	0	21.25		0.0
DFT-s-OFDM 16QAM	1	1	21.15	0-1	0.0
CP-OFDM QPSK	1	1	21.10	0-1.5	0.3

Table H-177
**NR Band n25 Antenna F Measured P_{Limit} for Free-
 25 MHz Bandwidth**

NR Band n25 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.03	0	0.0
	1	67	21.05		0.0
	1	131	21.12		0.0
	64	0	21.24	0-1	0.0
	64	35	21.25	0	0.0
	64	69	21.17	0-1	0.0
	128	0	21.19		0.0
DFT-s-OFDM 16QAM	1	1	21.12	0-1	0.0
CP-OFDM QPSK	1	1	21.13	0-1.5	0.3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 90 of 156

Table H-178
NR Band n25 Antenna F Measured P_{Limit} for Free-
20 MHz Bandwidth

NR Band n25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376500 (1882.5 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.15	21.04	21.01	0	0.0
	1	53	21.17	21.15	21.16		0.0
	1	104	21.13	21.18	21.23		0.0
	50	0	21.25	21.25	21.21	0-1	0.0
	50	28	21.20	21.23	21.24	0	0.0
	50	56	21.23	21.15	21.08	0-1	0.0
	100	0	21.20	21.20	21.17		0.0
DFT-s-OFDM 16QAM	1	1	21.23	21.29	21.23	0-1	0.0
CP-OFDM QPSK	1	1	21.27	21.18	21.08	0-1.5	0.3

Table H-179
NR Band n25 Antenna F Measured P_{Limit} for Free-
15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.18	21.11	21.17	0	0.0
	1	40	21.14	21.08	21.08		0.0
	1	77	21.20	21.04	21.24		0.0
	36	0	21.22	21.22	21.12	0-1	0.0
	36	22	21.24	21.23	21.11	0	0.0
	36	43	21.25	21.19	21.13	0-1	0.0
	75	0	21.27	21.23	21.15		0.0
DFT-s-OFDM 16QAM	1	1	21.26	21.26	21.31	0-1	0.0
CP-OFDM QPSK	1	1	21.27	21.19	21.31	0-1.5	0.3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 91 of 156

Table H-180
NR Band n25 Antenna F Measured P_{Limit} for Free-
10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.18	21.15	21.07	0	0.0
	1	26	21.26	21.15	20.95		0.0
	1	50	21.15	21.18	21.19		0.0
	25	0	21.24	21.18	21.11	0-1	0.0
	25	14	21.21	21.18	20.98	0	0.0
	25	27	21.28	21.24	21.18	0-1	0.0
	50	0	21.27	21.21	21.03		0.0
DFT-s-OFDM 16QAM	1	1	21.13	21.12	21.26	0-1	0.0
CP-OFDM QPSK	1	1	21.30	21.38	21.20	0-1.5	0.3

Table H-181
NR Band n25 Antenna F Measured P_{Limit} for Free-
5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.13	21.05	20.82	0	0.0
	1	13	21.06	20.97	21.02		0.0
	1	23	21.04	21.09	21.14		0.0
	12	0	21.15	21.14	21.00	0-1	0.0
	12	7	21.12	21.07	21.11	0	0.0
	12	13	21.08	21.12	21.12	0-1	0.0
	25	0	21.10	21.10	21.13		0.0
DFT-s-OFDM 16QAM	1	1	21.16	21.27	20.97	0-1	0.0
CP-OFDM QPSK	1	1	21.10	21.20	20.91	0-1.5	0.3

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 92 of 156

H.2.8 NR Band 30 Antenna B

Table H-182
NR Band n30 Antenna B Measured P_{Max} for RCV Active - 5 MHz Bandwidth

NR Band n30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.51	0	0.0
	1	13	22.41		0.0
	1	23	22.48		0.0
	12	0	21.51	0-1	1.0
	12	7	22.48	0	0.0
	12	13	21.49	0-1	1.0
	25	0	21.48		1.0
DFT-s-OFDM 16QAM	1	1	21.50	0-1	1.0
CP-OFDM QPSK	1	1	20.96	0-1.5	1.5

Table H-183
NR Band n30 Antenna B Measured P_{limit} for Hotspot Mode - 5 MHz Bandwidth

NR Band n30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.15	0	0.0
	1	13	18.07		0.0
	1	23	18.15		0.0
	12	0	18.18	0-1	0.0
	12	7	18.18	0	0.0
	12	13	18.19	0-1	0.0
	25	0	18.20		0.0
DFT-s-OFDM 16QAM	1	1	18.26	0-1	0.0
CP-OFDM QPSK	1	1	18.19	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 93 of 156

Table H-184
NR Band n30 Antenna B Measured P_{Limit} for Free - 5 MHz Bandwidth

NR Band n30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.26	0	0.0
	1	13	20.17		0.0
	1	23	20.27		0.0
	12	0	20.30	0-1	0.0
	12	7	20.31	0	0.0
	12	13	20.32	0-1	0.0
	25	0	20.32		0.0
DFT-s-OFDM 16QAM	1	1	20.34	0-1	0.0
CP-OFDM QPSK	1	1	20.37	0-1.5	0.0

H.2.9 NR Band 30 Antenna F

Table H-185
NR Band n30 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode – 5 MHz Bandwidth

NR Band n30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.41	0	0.0
	1	13	18.37		0.0
	1	23	18.48		0.0
	12	0	18.43	0-1	0.0
	12	7	18.47	0	0.0
	12	13	18.50	0-1	0.0
	25	0	18.48		0.0
DFT-s-OFDM 16QAM	1	1	18.53	0-1	0.0
CP-OFDM QPSK	1	1	18.43	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 94 of 156

Table H-186
NR Band n30 Antenna F Measured P_{Limit} for Free-
5 MHz Bandwidth

NR Band n30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.50	0	0.0
	1	13	19.49		0.0
	1	23	19.55		0.0
	12	0	19.53	0-1	0.0
	12	7	19.56	0	0.0
	12	13	19.58	0-1	0.0
	25	0	19.56		0.0
DFT-s-OFDM 16QAM	1	1	19.53	0-1	0.0
CP-OFDM QPSK	1	1	19.52	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 95 of 156

H.2.10 NR Band 41 Antenna B

Table H-187
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	508200 (2541 MHz)	528996 (2644.98 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	23.90	24.62	0	0.0
	1	123	23.84	24.30		0.0
	1	243	24.35	23.99		0.0
	120	0	23.88	24.32	0-1	0.0
	120	63	23.82	24.26	0	0.0
	120	125	24.20	24.25	0-1	0.0
	243	0	23.95	24.43		0.0
DFT-s-OFDM 16QAM	1	1	23.87	24.70	0-1	0.0
CP-OFDM QPSK	1	1	23.94	24.58	0-1.5	0.0

Table H-188
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	23.88	24.39	0	0.0
	1	109	23.95	24.40		0.0
	1	215	24.25	23.91		0.0
	108	0	23.91	24.28	0-1	0.0
	108	55	24.00	24.45	0	0.0
	108	109	24.10	24.31	0-1	0.0
	216	0	23.84	24.49		0.0
DFT-s-OFDM 16QAM	1	1	24.03	24.38	0-1	0.0
CP-OFDM QPSK	1	1	23.98	24.36	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 96 of 156

Table H-189
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
70 MHz Bandwidth

NR Band n41 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			506202 (2531.01 MHz)	531000 (2655 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	23.88	24.16	0	0.0
	1	95	23.79	24.29		0.0
	1	187	24.13	23.85		0.0
	90	0	23.84	24.35	0-1	0.0
	90	50	23.91	24.41	0	0.0
	90	99	24.00	24.16	0-1	0.0
	180	0	23.92	24.32		0.0
DFT-s-OFDM 16QAM	1	1	24.00	24.20	0-1	0.0
CP-OFDM QPSK	1	1	23.99	24.14	0-1.5	0.0

Table H-190
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.90	24.23	24.20	0	0.0
	1	81	23.85	24.49	24.26		0.0
	1	160	24.02	24.27	23.99		0.0
	81	0	23.95	24.32	24.34	0-1	0.0
	81	41	23.95	24.52	24.37	0	0.0
	81	81	23.97	24.55	24.23	0-1	0.0
	162	0	23.90	24.47	24.37		0.0
DFT-s-OFDM 16QAM	1	1	23.98	24.20	24.35	0-1	0.0
CP-OFDM QPSK	1	1	23.98	24.12	24.34	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 97 of 156

Table H-191
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	24.20	24.22	24.17	0	0.0
	1	67	23.98	24.50	24.26		0.0
	1	131	24.02	24.37	23.99		0.0
	64	0	23.93	24.34	24.35	0-1	0.0
	64	35	24.20	24.52	24.34	0	0.0
	64	69	24.30	24.49	24.22	0-1	0.0
	128	0	24.05	24.46	24.37		0.0
DFT-s-OFDM 16QAM	1	1	24.09	24.25	24.40	0-1	0.0
CP-OFDM QPSK	1	1	24.11	24.25	24.28	0-1.5	0.0

Table H-192
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	23.92	24.10	24.32	24.62	0	0.0
	1	53	23.91	24.25	24.35	24.39		0.0
	1	104	24.02	24.40	24.27	24.11		0.0
	50	0	24.07	24.16	24.45	24.57	0-1	0.0
	50	28	24.15	24.45	24.55	24.32	0	0.0
	50	56	24.00	24.50	24.36	24.14	0-1	0.0
	100	0	24.05	24.37	24.55	24.40		0.0
DFT-s-OFDM 16QAM	1	1	24.15	23.98	24.70	24.39	0-1	0.0
CP-OFDM QPSK	1	1	24.08	23.97	24.72	24.46	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 98 of 156

Table H-193
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
30 MHz Bandwidth

NR Band n41 30 MHz Bandwidth										
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
Modulation	RB Size	RB Offset	502200 (2511 MHz)	510402 (2552.01 MHz)	518598 (2592.99 MHz)	526800 (2634 MHz)	534996 (2674.98 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	23.87	23.90	24.21	24.62	24.26	0	0.0	
	1	39	24.00	24.01	24.60	24.40	24.20		0.0	
	1	76	24.09	24.29	24.51	24.35	23.88		0.0	
		36	0	24.13	24.02	24.44	24.47	24.41	0-1	0.0
		36	21	24.10	24.10	24.55	24.32	24.34	0	0.0
		36	42	24.15	24.31	24.62	24.35	24.12	0-1	0.0
		75	0	24.02	24.17	24.54	24.48	24.33		0.0
DFT-s-OFDM 16QAM	1	1	24.22	24.03	24.23	24.58	24.50	0-1	0.0	
CP-OFDM QPSK	1	1	24.16	24.01	24.25	24.47	24.49	0-1.5	0.0	

Table H-194
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
20 MHz Bandwidth

NR Band n41 20 MHz Bandwidth										
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
Modulation	RB Size	RB Offset	501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	24.11	24.29	24.26	24.13	24.12	0	0.0	
	1	26	24.08	24.32	24.43	24.39	24.30		0.0	
	1	49	24.11	24.38	24.46	24.19	24.16		0.0	
		25	0	24.19	24.25	24.52	24.45	24.33	0-1	0.0
		25	13	24.23	24.31	24.55	24.42	24.35	0	0.0
		25	26	24.20	24.38	24.62	24.32	24.29	0-1	0.0
		50	0	24.18	24.32	24.61	24.43	24.34		0.0
DFT-s-OFDM 16QAM	1	1	24.24	24.25	24.26	24.49	24.44	0-1	0.0	
CP-OFDM QPSK	1	1	24.11	24.18	24.24	24.41	24.38	0-1.5	0.0	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 99 of 156

Table H-195
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
15 MHz Bandwidth

NR Band n41 15 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			500700 (2503.5 MHz)	509652 (2548.26 MHz)	518598 (2592.99 MHz)	527550 (2637.75 MHz)	536496 (2682.48 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	23.60	24.00	24.28	24.08	24.31	0	0.0	
	1	19	23.94	23.92	24.34	23.87	24.22		0.0	
	1	36	23.96	24.04	24.41	23.89	23.62		0.0	
		18	0	23.92	23.91	24.38	24.10	24.17	0-1	0.0
		18	10	23.84	24.03	24.33	24.19	24.26	0	0.0
		18	20	23.83	24.08	24.21	24.12	24.02	0-1	0.0
		36	0	23.82	24.05	24.38	24.13	24.11		0.0
DFT-s-OFDM 16QAM	1	1	23.71	23.93	24.23	24.29	24.28	0-1	0.0	
CP-OFDM QPSK	1	1	23.76	23.97	24.39	24.28	24.31	0-1.5	0.0	

Table H-196
NR Band n41 Antenna B Measured P_{Limit} for RCV Active –
10 MHz Bandwidth

NR Band n41 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			500202 (2501.01 MHz)	509400 (2547 MHz)	518598 (2592.99 MHz)	527802 (2639.01 MHz)	537000 (2685 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	23.90	23.89	24.21	24.66	24.26	0	0.0	
	1	12	23.81	23.82	24.23	24.40	24.29		0.0	
	1	22	24.09	24.13	24.33	24.38	23.85		0.0	
		12	0	23.92	23.85	24.36	24.41	24.45	0-1	0.0
		12	6	23.90	24.01	24.44	24.34	24.31	0	0.0
		12	12	23.91	24.08	24.40	24.32	24.16	0-1	0.0
		24	0	23.97	23.92	24.43	24.43	24.30		0.0
DFT-s-OFDM 16QAM	1	1	23.90	24.05	24.25	24.50	24.54	0-1	0.0	
CP-OFDM QPSK	1	1	23.91	23.98	24.43	24.49	24.42	0-1.5	0.0	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 100 of 156

Table H-197
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	508200 (2541 MHz)	528996 (2644.98 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.90	17.14	0	0.0
	1	123	16.72	17.15		0.0
	1	243	17.25	16.74		0.0
	120	0	16.68	16.98	0-1	0.0
	120	63	16.71	17.08	0	0.0
	120	125	16.94	17.01	0-1	0.0
	243	0	16.80	17.12		0.0
DFT-s-OFDM 16QAM	1	1	16.84	17.17	0-1	0.0
CP-OFDM QPSK	1	1	16.82	17.16	0-1.5	0.0

Table H-198
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.90	17.31	0	0.0
	1	109	16.75	17.32		0.0
	1	215	17.08	16.84		0.0
	108	0	16.70	17.19	0-1	0.0
	108	55	16.73	17.28	0	0.0
	108	109	16.89	17.10	0-1	0.0
	216	0	16.73	17.26		0.0
DFT-s-OFDM 16QAM	1	1	16.85	17.13	0-1	0.0
CP-OFDM QPSK	1	1	16.78	17.15	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 101 of 156

Table H-199
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
70 MHz Bandwidth

NR Band n41 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			506202 (2531.01 MHz)	531000 (2655 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.81	17.06	0	0.0
	1	95	16.74	17.22		0.0
	1	187	17.02	16.78		0.0
	90	0	16.72	17.18	0-1	0.0
	90	50	16.75	17.21	0	0.0
	90	99	16.83	16.97	0-1	0.0
	180	0	16.71	17.15		0.0
DFT-s-OFDM 16QAM	1	1	16.85	17.08	0-1	0.0
CP-OFDM QPSK	1	1	16.84	17.00	0-1.5	0.0

Table H-200
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	16.77	16.94	17.10	0	0.0
	1	81	16.71	17.33	17.17		0.0
	1	160	16.84	17.15	16.80		0.0
	81	0	16.71	17.15	17.16	0-1	0.0
	81	41	16.72	17.33	17.21	0	0.0
	81	81	16.75	17.27	17.04	0-1	0.0
	162	0	16.62	17.25	17.16		0.0
DFT-s-OFDM 16QAM	1	1	16.74	16.98	17.07	0-1	0.0
CP-OFDM QPSK	1	1	16.72	16.93	17.04	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 102 of 156

Table H-201
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	16.75	17.12	17.12	0	0.0
	1	67	16.71	17.37	17.13		0.0
	1	131	16.75	17.16	16.78		0.0
	64	0	16.74	17.23	17.14	0-1	0.0
	64	35	16.73	17.35	17.09	0	0.0
	64	69	16.69	17.31	16.93	0-1	0.0
	128	0	16.70	17.30	17.05		0.0
DFT-s-OFDM 16QAM	1	1	16.82	17.18	17.09	0-1	0.0
CP-OFDM QPSK	1	1	16.78	17.07	17.05	0-1.5	0.0

Table H-202
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	16.77	16.99	17.23	17.12	0	0.0
	1	53	16.72	17.12	17.16	17.01		0.0
	1	104	16.91	17.33	17.06	16.91		0.0
	50	0	16.77	17.00	17.28	17.21	0-1	0.0
	50	28	16.70	17.12	17.21	17.12	0	0.0
	50	56	16.70	17.25	17.15	16.94	0-1	0.0
	100	0	16.73	17.09	17.22	17.10		0.0
DFT-s-OFDM 16QAM	1	1	16.85	16.82	17.31	17.20	0-1	0.0
CP-OFDM QPSK	1	1	16.83	16.83	17.30	17.19	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 103 of 156

Table H-203
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
30 MHz Bandwidth

NR Band n41 30 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			502200 (2511 MHz)	510402 (2552.01 MHz)	518598 (2592.99 MHz)	526800 (2634 MHz)	534996 (2674.98 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	16.81	16.70	17.11	17.22	17.24	0	0.0	
	1	39	16.72	16.82	17.26	17.23	17.07		0.0	
	1	76	16.90	16.98	17.25	17.32	16.95		0.0	
	DFT-s-OFDM QPSK	36	0	16.78	16.76	17.21	17.23	17.26	0-1	0.0
		36	21	16.74	16.85	17.27	17.29	17.17	0	0.0
		36	42	16.74	16.94	17.21	17.28	17.04	0-1	0.0
		75	0	16.79	16.84	17.22	17.27	17.18		0.0
DFT-s-OFDM 16QAM	1	1	16.89	16.76	17.20	17.29	17.34	0-1	0.0	
CP-OFDM QPSK	1	1	16.88	16.72	17.16	17.23	17.30	0-1.5	0.0	

Table H-204
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
20 MHz Bandwidth

NR Band n41 20 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	17.13	16.92	17.28	17.40	17.13	0	0.0	
	1	26	16.97	16.98	17.50	17.33	16.97		0.0	
	1	49	16.95	17.12	17.37	17.36	16.98		0.0	
	DFT-s-OFDM QPSK	25	0	17.01	16.98	17.33	17.28	17.12	0-1	0.0
		25	13	16.97	17.00	17.40	17.32	17.07	0	0.0
		25	26	16.95	17.05	17.43	17.27	16.98	0-1	0.0
		50	0	16.99	16.99	17.41	17.28	17.05		0.0
DFT-s-OFDM 16QAM	1	1	17.07	16.94	17.27	17.27	17.16	0-1	0.0	
CP-OFDM QPSK	1	1	17.05	16.90	17.26	17.24	17.09	0-1.5	0.0	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 104 of 156

Table H-205
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
15 MHz Bandwidth

NR Band n41 15 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			500700 (2503.5 MHz)	509652 (2548.26 MHz)	518598 (2592.99 MHz)	527550 (2637.75 MHz)	536496 (2682.48 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	16.85	16.73	17.02	16.95	16.92	0	0.0	
	1	19	16.70	16.74	17.11	16.94	16.80		0.0	
	1	36	16.81	16.84	17.20	17.03	16.81		0.0	
		18	0	16.70	16.72	17.12	17.00	16.86	0-1	0.0
		18	10	16.71	16.77	17.13	16.97	16.83	0	0.0
		18	20	16.62	16.79	17.19	16.97	16.81	0-1	0.0
		36	0	16.66	16.78	17.12	16.94	16.84		0.0
DFT-s-OFDM 16QAM	1	1	16.79	16.69	17.16	16.99	16.92	0-1	0.0	
CP-OFDM QPSK	1	1	16.79	16.64	17.15	17.03	16.86	0-1.5	0.0	

Table H-206
NR Band n41 Antenna B Measured P_{Limit} for Hotspot Mode –
10 MHz Bandwidth

NR Band n41 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			500202 (2501.01 MHz)	509400 (2547 MHz)	518598 (2592.99 MHz)	527802 (2639.01 MHz)	537000 (2685 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	16.89	16.78	17.34	17.22	17.19	0	0.0	
	1	12	16.72	16.77	17.30	17.20	17.16		0.0	
	1	22	16.83	16.89	17.33	17.31	16.89		0.0	
		12	0	16.70	16.70	17.27	17.26	17.14	0-1	0.0
		12	6	16.72	16.79	17.29	17.23	17.24	0	0.0
		12	12	16.65	16.77	17.29	17.27	17.00	0-1	0.0
		24	0	16.69	16.73	17.25	17.27	17.18		0.0
DFT-s-OFDM 16QAM	1	1	16.72	16.89	17.05	17.24	17.03	0-1	0.0	
CP-OFDM QPSK	1	1	16.73	16.78	16.97	17.29	17.00	0-1.5	0.0	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 105 of 156

Table H-207
NR Band n41 Antenna B Measured P_{Limit} for Free –
90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			508200 (2541 MHz)	528996 (2644.98 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	20.04	20.16	0	0.0
	1	123	19.83	20.22		0.0
	1	243	20.37	19.77		0.0
	120	0	19.72	20.10	0-1	0.0
	120	63	19.75	20.22	0	0.0
	120	125	20.00	20.13	0-1	0.0
	243	0	19.72	20.25		0.0
DFT-s-OFDM 16QAM	1	1	19.92	20.25	0-1	0.0
CP-OFDM QPSK	1	1	19.85	20.21	0-1.5	0.0

Table H-208
NR Band n41 Antenna B Measured P_{Limit} for Free –
80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	19.85	20.27	0	0.0
	1	109	19.81	20.36		0.0
	1	215	20.17	19.84		0.0
	108	0	19.95	20.17	0-1	0.0
	108	55	19.83	20.35	0	0.0
	108	109	19.97	20.14	0-1	0.0
	216	0	19.79	20.32		0.0
DFT-s-OFDM 16QAM	1	1	19.82	20.25	0-1	0.0
CP-OFDM QPSK	1	1	19.85	20.21	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 106 of 156

Table H-209
NR Band n41 Antenna B Measured P_{Limit} for Free –
70 MHz Bandwidth

NR Band n41 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			506202 (2531.01 MHz)	531000 (2655 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	20.00	20.08	0	0.0
	1	95	19.85	20.21		0.0
	1	187	19.92	19.77		0.0
	90	0	19.82	20.20	0-1	0.0
	90	50	19.79	20.21	0	0.0
	90	99	19.90	20.01	0-1	0.0
	180	0	19.78	20.22		0.0
DFT-s-OFDM 16QAM	1	1	19.96	20.15	0-1	0.0
CP-OFDM QPSK	1	1	19.89	20.11	0-1.5	0.0

Table H-210
NR Band n41 Antenna B Measured P_{Limit} for Free –
60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.92	19.97	20.18	0	0.0
	1	81	19.77	20.30	20.19		0.0
	1	160	19.96	20.13	19.77		0.0
	81	0	19.74	20.16	20.19	0-1	0.0
	81	41	19.73	20.35	20.37	0	0.0
	81	81	19.78	20.35	20.11	0-1	0.0
	162	0	19.71	20.30	20.23		0.0
DFT-s-OFDM 16QAM	1	1	19.86	19.98	20.17	0-1	0.0
CP-OFDM QPSK	1	1	19.82	19.97	20.15	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 107 of 156

Table H-211
NR Band n41 Antenna B Measured P_{Limit} for Free –
50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.89	20.10	20.30	0	0.0
	1	67	19.75	20.39	20.21		0.0
	1	131	19.92	20.21	20.00		0.0
	64	0	19.76	20.26	20.30	0-1	0.0
	64	35	19.78	20.40	20.24	0	0.0
	64	69	19.77	20.38	20.12	0-1	0.0
	128	0	19.76	20.37	20.24		0.0
DFT-s-OFDM 16QAM	1	1	19.92	20.09	20.32	0-1	0.0
CP-OFDM QPSK	1	1	19.82	20.14	20.22	0-1.5	0.0

Table H-212
NR Band n41 Antenna B Measured P_{Limit} for Free –
40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	20.00	19.81	20.45	20.23	0	0.0
	1	53	19.80	20.13	20.28	20.15		0.0
	1	104	19.97	20.33	20.22	19.93		0.0
	50	0	19.84	20.10	20.40	20.26	0-1	0.0
	50	28	19.85	20.39	20.31	20.16	0	0.0
	50	56	19.79	20.43	20.27	20.02	0-1	0.0
	100	0	19.79	20.29	20.36	20.15		0.0
DFT-s-OFDM 16QAM	1	1	19.99	20.00	20.48	20.28	0-1	0.0
CP-OFDM QPSK	1	1	19.97	19.92	20.39	20.25	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 108 of 156

Table H-213
NR Band n41 Antenna B Measured P_{Limit} for Free –
30 MHz Bandwidth

NR Band n41 30 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			502200 (2511 MHz)	510402 (2552.01 MHz)	518598 (2592.99 MHz)	526800 (2634 MHz)	534996 (2674.98 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	19.85	19.75	20.12	20.22	20.43	0	0.0
	1	39	19.90	19.91	20.37	20.29	20.19		0.0
	1	76	19.90	20.10	20.41	20.42	20.06		0.0
	36	0	19.83	19.83	20.33	20.30	20.28	0-1	0.0
	36	21	19.88	19.93	20.40	20.35	20.17	0	0.0
	36	42	19.89	20.04	20.46	20.36	20.09	0-1	0.0
	75	0	19.92	19.92	20.39	20.34	20.19		0.0
DFT-s-OFDM 16QAM	1	1	19.97	19.81	20.07	20.33	20.40	0-1	0.0
CP-OFDM QPSK	1	1	19.95	19.81	20.05	20.34	20.35	0-1.5	0.0

Table H-214
NR Band n41 Antenna B Measured P_{Limit} for Free –
20 MHz Bandwidth

NR Band n41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	20.03	19.96	20.05	20.17	20.29	0	0.0
	1	26	19.93	20.09	20.49	20.28	20.06		0.0
	1	49	19.92	20.22	20.46	20.35	19.99		0.0
	25	0	20.00	20.07	20.51	20.24	20.14	0-1	0.0
	25	13	20.03	20.12	20.56	20.36	20.04	0	0.0
	25	26	19.97	20.19	20.60	20.34	20.00	0-1	0.0
	50	0	19.99	20.11	20.57	20.38	20.08		0.0
DFT-s-OFDM 16QAM	1	1	20.09	20.01	20.12	20.34	20.23	0-1	0.0
CP-OFDM QPSK	1	1	20.08	20.00	20.23	20.29	20.20	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 109 of 156

Table H-215
NR Band n41 Antenna B Measured P_{Limit} for Free –
15 MHz Bandwidth

NR Band n41 15 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			500700 (2503.5 MHz)	509652 (2548.26 MHz)	518598 (2592.99 MHz)	527550 (2637.75 MHz)	536496 (2682.48 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	19.86	19.74	20.05	19.98	19.98	0	0.0	
	1	19	19.81	19.78	20.14	19.89	19.84		0.0	
	1	36	19.88	19.90	20.22	19.92	19.86		0.0	
		18	0	19.85	19.82	20.15	19.94	19.88	0-1	0.0
		18	10	19.79	19.91	20.13	19.93	19.93	0	0.0
		18	20	19.71	19.95	20.21	19.95	19.89	0-1	0.0
		36	0	19.82	19.79	20.18	19.93	19.92		0.0
DFT-s-OFDM 16QAM	1	1	19.83	19.79	20.06	20.03	19.98	0-1	0.0	
CP-OFDM QPSK	1	1	19.87	19.72	20.09	19.93	19.94	0-1.5	0.0	

Table H-216
NR Band n41 Antenna B Measured P_{Limit} for Free –
10 MHz Bandwidth

NR Band n41 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	
			500202 (2501.01 MHz)	509400 (2547 MHz)	518598 (2592.99 MHz)	527802 (2639.01 MHz)	537000 (2685 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	19.84	19.92	20.07	20.48	20.27	0	0.0	
	1	12	19.88	20.03	20.22	20.29	20.08		0.0	
	1	22	19.90	20.28	20.32	20.22	19.95		0.0	
		12	0	19.82	20.04	20.26	20.44	20.14	0-1	0.0
		12	6	19.71	20.19	20.40	20.33	20.06	0	0.0
		12	12	19.75	20.13	20.41	20.27	20.04	0-1	0.0
		24	0	19.89	20.15	20.30	20.36	20.08		0.0
DFT-s-OFDM 16QAM	1	1	19.89	20.09	19.98	20.48	20.24	0-1	0.0	
CP-OFDM QPSK	1	1	19.82	20.05	19.92	20.39	20.29	0-1.5	0.0	

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 110 of 156

H.2.11 NR Band 41 Antenna F

Table H-217
NR Band n41 Antenna F Measured P_{Limit} for Free –
90 MHz Bandwidth
NR Band n41 FCC
90 MHz Bandwidth

NR Band n41 FCC 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			508200 (2541 MHz)	528996 (2644.98 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	19.16	19.21	0	0.0
	1	123	18.86	18.95		0.0
	1	243	19.04	18.68		0.0
	120	0	19.08	18.91	0-1	0.0
	120	63	18.90	18.95	0	0.0
	120	125	18.91	18.86	0-1	0.0
	243	0	18.85	18.98		0.0
DFT-s-OFDM 16QAM	1	1	19.11	19.17	0-1	0.0
CP-OFDM QPSK	1	1	19.13	19.10	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 111 of 156

Table H-218
NR Band n41 Antenna F Measured P_{Limit} for Free –
80 MHz Bandwidth

NR Band n41 FCC 80 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	19.17	19.05	0	0.0
	1	109	19.04	19.00		0.0
	1	215	19.04	18.98		0.0
	108	0	19.00	18.95	0-1	0.0
	108	55	18.83	19.11	0	0.0
	108	109	18.83	18.98	0-1	0.0
	216	0	18.81	19.00		0.0
DFT-s-OFDM 16QAM	1	1	19.19	18.98	0-1	0.0
CP-OFDM QPSK	1	1	19.12	19.00	0-1.5	0.0

Table H-219
NR Band n41 Antenna F Measured P_{Limit} for Free –
70 MHz Bandwidth

NR Band n41 FCC 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			506202 (2531.01 MHz)	531000 (2655 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	19.10	18.95	0	0.0
	1	95	18.94	19.24		0.0
	1	187	18.86	19.07		0.0
	90	0	19.02	19.06	0-1	0.0
	90	50	18.83	19.29	0	0.0
	90	99	18.83	19.19	0-1	0.0
	180	0	18.87	19.32		0.0
DFT-s-OFDM 16QAM	1	1	19.12	18.99	0-1	0.0
CP-OFDM QPSK	1	1	19.09	19.01	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 112 of 156

Table H-220
NR Band n41 Antenna F Measured P_{Limit} for Free –
60 MHz Bandwidth
NR Band n41 FCC
60 MHz Bandwidth

NR Band n41 FCC 60 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.11	18.79	18.96	0	0.0
	1	81	18.86	19.15	19.24		0.0
	1	160	18.67	19.00	19.11		0.0
	81	0	19.09	18.92	19.11	0-1	0.0
	81	41	18.90	19.13	19.23	0	0.0
	81	81	18.79	19.17	19.19	0-1	0.0
	162	0	18.92	19.08	19.28		0.0
DFT-s-OFDM 16QAM	1	1	19.07	18.81	18.93	0-1	0.0
CP-OFDM QPSK	1	1	18.91	18.73	18.89	0-1.5	0.0

Table H-221
NR Band n41 Antenna F Measured P_{Limit} for Free –
50 MHz Bandwidth
NR Band n41 FCC
50 MHz Bandwidth

NR Band n41 FCC 50 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.26	18.79	18.90	0	0.0
	1	67	18.99	19.09	19.06		0.0
	1	131	18.80	19.09	18.99		0.0
	64	0	19.15	18.98	18.97	0-1	0.0
	64	35	18.97	19.14	19.10	0	0.0
	64	69	18.83	19.19	19.06	0-1	0.0
	128	0	18.94	19.08	19.17		0.0
DFT-s-OFDM 16QAM	1	1	19.07	18.88	19.02	0-1	0.0
CP-OFDM QPSK	1	1	19.11	18.80	18.95	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 113 of 156

Table H-222
NR Band n41 Antenna F Measured P_{Limit} for Free –
40 MHz Bandwidth

NR Band n41 FCC 40 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	19.12	18.60	19.11	19.14	0	0.0
	1	53	18.96	18.82	18.99	19.14		0.0
	1	104	18.77	19.04	18.98	19.10		0.0
	50	0	19.08	18.71	19.11	19.21	0-1	0.0
	50	28	18.98	18.85	19.04	19.10	0	0.0
	50	56	18.86	19.01	19.00	19.15	0-1	0.0
	100	0	18.95	18.87	19.00	19.21		0.0
DFT-s-OFDM 16QAM	1	1	19.11	18.69	19.13	19.12	0-1	0.0
CP-OFDM QPSK	1	1	19.13	18.63	19.10	19.15	0-1.5	0.0

Table H-223
NR Band n41 Antenna F Measured P_{Limit} for Free –
30 MHz Bandwidth

NR Band n41 FCC 30 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			502200 (2511 MHz)	510402 (2552.01 MHz)	518598 (2592.99 MHz)	526800 (2634 MHz)	534996 (2674.98 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	19.17	18.60	18.98	19.04	19.26	0	0.0
	1	39	19.01	18.63	19.11	19.02	19.20		0.0
	1	76	18.88	18.84	19.20	19.14	19.17		0.0
	36	0	19.12	18.67	19.05	19.02	19.21	0-1	0.0
	36	21	19.11	18.68	19.13	19.03	19.18	0	0.0
	36	42	18.96	18.76	19.22	19.09	19.15	0-1	0.0
	75	0	19.05	18.69	19.16	18.99	19.18		0.0
DFT-s-OFDM 16QAM	1	1	19.14	18.70	18.96	19.05	19.25	0-1	0.0
CP-OFDM QPSK	1	1	19.16	18.77	18.97	19.04	19.24	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 114 of 156

Table H-224
NR Band n41 Antenna F Measured P_{Limit} for Free –
20 MHz Bandwidth

NR Band n41 FCC 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	19.26	18.75	19.03	19.05	19.26	0	0.0
	1	26	19.11	18.75	19.19	19.00	19.30		0.0
	1	49	19.02	18.79	19.29	19.08	19.18		0.0
	25	0	19.22	18.71	19.15	19.04	19.30	0-1	0.0
	25	13	19.14	18.76	19.20	19.03	19.32	0	0.0
	25	26	19.08	18.72	19.25	19.11	19.22	0-1	0.0
	50	0	19.11	18.73	19.18	19.06	19.22		0.0
DFT-s-OFDM 16QAM	1	1	19.22	18.78	19.01	19.06	19.18	0-1	0.0
CP-OFDM QPSK	1	1	19.30	18.73	19.00	19.06	19.17	0-1.5	0.0

Table H-225
NR Band n41 Antenna F Measured P_{Limit} for Free –
15 MHz Bandwidth

NR Band n41 FCC 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			500700 (2503.5 MHz)	509652 (2548.26 MHz)	518598 (2592.99 MHz)	527550 (2637.75 MHz)	536496 (2682.48 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	19.12	18.83	19.00	19.09	19.08	0	0.0
	1	19	19.07	18.79	19.04	19.10	19.04		0.0
	1	36	19.03	18.78	19.11	19.25	19.05		0.0
	18	0	19.07	18.64	18.98	19.09	19.04	0-1	0.0
	18	10	19.04	18.75	19.04	19.21	19.08	0	0.0
	18	20	19.02	18.76	19.05	19.21	19.06	0-1	0.0
	36	0	19.12	18.75	19.03	19.17	19.06		0.0
DFT-s-OFDM 16QAM	1	1	19.17	18.83	18.97	19.11	19.15	0-1	0.0
CP-OFDM QPSK	1	1	19.12	18.84	18.93	19.09	19.08	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 115 of 156

Table H-226
NR Band n41 Antenna F Measured P_{Limit} for Free –
10 MHz Bandwidth

NR Band n41 FCC 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]	Deviation 500202 [dB]
			500202 (2501.01 MHz)	509400 (2547 MHz)	518598 (2592.99 MHz)	527802 (2639.01 MHz)	537000 (2685 MHz)			
			Conducted Power [dBm]							
DFT-s-OFDM QPSK	1	1	19.38	18.91	18.95	18.95	19.31	0	0.0	0.38
	1	12	19.27	18.82	19.08	19.03	19.28		0.0	0.27
	1	22	19.29	18.87	19.17	19.12	19.14		0.0	0.29
	12	0	19.34	18.82	19.05	19.02	19.24	0-1	0.0	0.34
	12	6	19.32	18.84	19.17	19.12	19.25	0	0.0	0.32
	12	12	19.23	18.82	19.12	19.09	19.21	0-1	0.0	0.23
	24	0	19.22	18.80	19.09	19.12	19.25		0.0	0.22
DFT-s-OFDM 16QAM	1	1	19.39	18.84	18.99	19.02	19.30	0-1	0.0	0.39
CP-OFDM QPSK	1	1	19.31	18.81	19.02	18.99	19.21	0-1.5	0.0	0.31

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 116 of 156

Table H-227
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
90 MHz Bandwidth

NR Band n41 FCC 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			508200 (2541 MHz)	528996 (2644.98 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	18.18	18.06	0	0.0
	1	123	17.88	17.88		0.0
	1	243	18.05	17.63		0.0
	120	0	17.93	17.87	0-1	0.0
	120	63	17.82	17.92	0	0.0
	120	125	17.87	17.82	0-1	0.0
	243	0	17.78	17.94		0.0
DFT-s-OFDM 16QAM	1	1	18.21	18.11	0-1	0.0
CP-OFDM QPSK	1	1	18.11	18.14	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 117 of 156

Table H-228
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
80 MHz Bandwidth

NR Band n41 FCC 80 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	18.12	17.92	0	0.0
	1	109	17.84	17.98		0.0
	1	215	17.97	18.02		0.0
	108	0	17.95	17.95	0-1	0.0
	108	55	17.84	18.15	0	0.0
	108	109	17.82	18.18	0-1	0.0
	216	0	17.78	18.11		0.0
DFT-s-OFDM 16QAM	1	1	18.09	18.09	0-1	0.0
CP-OFDM QPSK	1	1	18.08	18.02	0-1.5	0.0

Table H-229
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
70 MHz Bandwidth

NR Band n41 FCC 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			506202 (2531.01 MHz)	531000 (2655 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.86	18.03	0	0.0
	1	95	17.74	18.24		0.0
	1	187	17.71	18.06		0.0
	90	0	17.88	18.03	0-1	0.0
	90	50	17.74	18.25	0	0.0
	90	99	17.70	18.19	0-1	0.0
	180	0	17.70	18.28		0.0
DFT-s-OFDM 16QAM	1	1	18.13	18.00	0-1	0.0
CP-OFDM QPSK	1	1	18.15	17.98	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 118 of 156

Table H-230
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
60 MHz Bandwidth
NR Band n41 FCC
60 MHz Bandwidth

NR Band n41 FCC 60 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.04	17.85	17.95	0	0.0
	1	81	17.83	17.98	18.21		0.0
	1	160	17.66	17.95	18.05		0.0
	81	0	18.03	17.92	18.11	0-1	0.0
	81	41	17.79	18.05	18.26	0	0.0
	81	81	17.73	18.15	18.13	0-1	0.0
	162	0	17.98	18.05	18.17		0.0
DFT-s-OFDM 16QAM	1	1	18.13	17.92	17.89	0-1	0.0
CP-OFDM QPSK	1	1	18.06	17.76	17.94	0-1.5	0.0

Table H-231
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
50 MHz Bandwidth
NR Band n41 FCC
50 MHz Bandwidth

NR Band n41 FCC 50 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.21	17.77	18.00	0	0.0
	1	67	18.02	18.20	18.18		0.0
	1	131	17.80	18.07	18.06		0.0
	64	0	18.06	17.95	18.30	0-1	0.0
	64	35	18.04	18.18	18.36	0	0.0
	64	69	17.83	18.16	18.24	0-1	0.0
	128	0	18.04	18.09	18.28		0.0
DFT-s-OFDM 16QAM	1	1	18.27	17.87	18.05	0-1	0.0
CP-OFDM QPSK	1	1	18.10	17.82	18.01	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 119 of 156

Table H-232
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
40 MHz Bandwidth

NR Band n41 FCC 40 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	18.19	17.66	18.10	18.15	0	0.0
	1	53	17.92	17.83	18.02	18.12		0.0
	1	104	17.81	18.08	18.03	18.05		0.0
	50	0	18.04	17.72	18.16	18.17	0-1	0.0
	50	28	17.97	17.89	18.09	18.17	0	0.0
	50	56	17.82	17.99	18.02	18.15	0-1	0.0
	100	0	17.97	17.87	18.02	18.19		0.0
DFT-s-OFDM 16QAM	1	1	18.43	17.67	18.13	18.17	0-1	0.0
CP-OFDM QPSK	1	1	18.37	17.62	18.12	18.11	0-1.5	0.0

Table H-233
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
30 MHz Bandwidth

NR Band n41 FCC 30 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			502200 (2511 MHz)	510402 (2552.01 MHz)	518598 (2592.99 MHz)	526800 (2634 MHz)	534996 (2674.98 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	18.21	17.68	17.91	17.98	18.22	0	0.0
	1	39	18.04	17.64	18.11	17.94	18.20		0.0
	1	76	17.91	17.77	18.22	18.08	18.09		0.0
	36	0	18.11	17.62	18.02	17.99	18.23	0-1	0.0
	36	21	18.07	17.62	18.16	18.01	18.15	0	0.0
	36	42	17.95	17.73	18.25	18.04	18.16	0-1	0.0
	75	0	18.04	17.70	18.12	18.01	18.20		0.0
DFT-s-OFDM 16QAM	1	1	18.21	17.79	17.91	18.00	18.19	0-1	0.0
CP-OFDM QPSK	1	1	18.16	17.67	17.91	17.96	18.21	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 120 of 156

Table H-234
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
20 MHz Bandwidth

NR Band n41 FCC 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	18.27	17.73	17.98	18.00	18.19	0	0.0
	1	26	18.12	17.68	18.18	17.99	18.16		0.0
	1	49	18.01	17.80	18.28	18.09	18.12		0.0
	25	0	18.08	17.69	18.12	18.02	18.24	0-1	0.0
	25	13	18.16	17.71	18.21	18.04	18.25	0	0.0
	25	26	18.10	17.70	18.24	18.09	18.23	0-1	0.0
	50	0	18.10	17.70	18.22	18.03	18.24		0.0
DFT-s-OFDM 16QAM	1	1	18.22	17.70	18.00	18.04	18.19	0-1	0.0
CP-OFDM QPSK	1	1	18.17	17.67	17.96	18.00	18.20	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 121 of 156

Table H-235
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
15 MHz Bandwidth

NR Band n41 FCC 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			500700 (2503.5 MHz)	509652 (2548.26 MHz)	518598 (2592.99 MHz)	527550 (2637.75 MHz)	536496 (2682.48 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	18.23	17.89	18.00	18.14	18.19	0	0.0
	1	19	18.04	17.79	18.06	18.10	18.17		0.0
	1	36	18.05	17.79	18.11	18.17	17.79		0.0
	18	0	18.08	17.76	18.04	18.14	18.28	0-1	0.0
	18	10	17.94	17.79	18.08	18.15	18.21	0	0.0
	18	20	17.96	17.75	18.04	18.21	18.25	0-1	0.0
	36	0	17.99	17.74	18.04	18.10	18.21		0.0
DFT-s-OFDM 16QAM	1	1	18.16	17.83	18.00	18.08	18.14	0-1	0.0
CP-OFDM QPSK	1	1	18.15	17.82	18.17	18.12	18.12	0-1.5	0.0

Table H-236
NR Band n41 Antenna F Measured P_{Limit} for RCV Active, or Hotspot Mode –
10 MHz Bandwidth

NR Band n41 FCC 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			500202 (2501.01 MHz)	509400 (2547 MHz)	518598 (2592.99 MHz)	527802 (2639.01 MHz)	537000 (2685 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM QPSK	1	1	18.34	17.96	17.97	18.04	18.24	0	0.0
	1	12	18.20	17.80	18.03	18.13	18.12		0.0
	1	22	18.21	17.95	18.05	18.13	18.04		0.0
	12	0	18.21	17.84	18.01	18.08	18.12	0-1	0.0
	12	6	18.19	17.86	18.03	18.11	18.16	0	0.0
	12	12	18.17	17.88	18.04	18.11	18.19	0-1	0.0
	24	0	18.18	17.90	17.99	18.05	18.21		0.0
DFT-s-OFDM 16QAM	1	1	18.35	17.84	17.95	18.06	18.24	0-1	0.0
CP-OFDM QPSK	1	1	18.31	17.81	17.98	18.00	18.31	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 122 of 156

H.2.12 NR Band 48 Antenna G

Table H-237
NR Band n48 Antenna G Measured P_{Limit} for Free, RCV Active, or Hotspot Mode –
30 MHz Bandwidth

NR Band n48 30 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	637668 (3565.02 MHz)	640334 (3605.01 MHz)	643000 (3645 MHz)	645666 (3684.99 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	16.36	16.43	16.84	16.88	0	0.0
	1	39	16.51	16.49	16.71	16.97		0.0
	1	76	16.86	16.67	16.69	17.13		0.0
	36	0	16.84	16.49	16.78	16.89	0-1	0.0
	36	21	16.90	16.56	16.79	17.00	0	0.0
	36	42	16.86	16.61	16.75	17.11	0-1	0.0
	75	0	16.83	16.55	16.75	17.00		0.0
DFT-s-OFDM 16QAM	1	1	16.77	16.55	16.77	16.89	0-1	0.0
CP-OFDM QPSK	1	1	16.77	16.56	16.76	16.89	0-1.5	0.0

Table H-238
NR Band n48 Antenna G Measured P_{Limit} for Free, RCV Active, or Hotspot Mode –
20 MHz Bandwidth

NR Band n48 20 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	637334 (3560.01 MHz)	640222 (3603.33 MHz)	643112 (3646.68 MHz)	646000 (3690 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	16.80	16.60	17.01	17.05	0	0.0
	1	26	16.90	16.61	16.74	17.14		0.0
	1	49	16.95	16.66	16.75	17.30		0.0
	25	0	16.80	16.60	16.85	17.06	0-1	0.0
	25	13	16.84	16.64	16.84	17.17	0	0.0
	25	26	16.87	16.64	16.82	17.20	0-1	0.0
	50	0	16.82	16.62	16.85	17.05		0.0
DFT-s-OFDM 16QAM	1	1	16.75	16.65	16.94	17.00	0-1	0.0
CP-OFDM QPSK	1	1	16.71	16.64	16.86	17.00	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 123 of 156

Table H-239
NR Band n48 Antenna G Measured P_{Limit} for Free, RCV Active, or Hotspot Mode –
15 MHz Bandwidth

NR Band n48 15 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	637168 (3557.52 MHz)	640166 (3602.49 MHz)	643166 (3647.49 MHz)	646166 (3692.49 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	16.75	16.54	16.90	17.22	0	0.0
	1	19	16.74	16.54	16.74	17.23		0.0
	1	36	16.81	16.59	16.78	17.30		0.0
	18	0	16.71	16.55	16.84	17.19	0-1	0.0
	18	10	16.74	16.55	16.79	17.24	0	0.0
	18	20	16.76	16.58	16.76	17.25	0-1	0.0
	36	0	16.73	16.56	16.81	17.22		0.0
DFT-s-OFDM 16QAM	1	1	16.70	16.55	16.91	17.29	0-1	0.0
CP-OFDM QPSK	1	1	16.66	16.56	16.86	17.16	0-1.5	0.0

Table H-240
NR Band n48 Antenna G Measured P_{Limit} for Free, RCV Active, or Hotspot Mode –
10 MHz Bandwidth

NR Band n48 10 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	637000 (3555 MHz)	640112 (3601.68 MHz)	643222 (3648.33 MHz)	646332 (3694.98 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	16.79	16.58	17.00	17.17	0	0.0
	1	12	16.77	16.53	16.81	17.19		0.0
	1	22	16.85	16.57	16.86	17.24		0.0
	12	0	16.77	16.64	16.89	17.14	0-1	0.0
	12	6	16.81	16.61	16.87	17.14	0	0.0
	12	12	16.83	16.60	16.85	17.25	0-1	0.0
	24	0	16.80	16.61	16.84	17.16		0.0
DFT-s-OFDM 16QAM	1	1	16.78	16.61	16.94	17.12	0-1	0.0
CP-OFDM QPSK	1	1	16.75	16.57	16.90	17.10	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 124 of 156

H.2.13 NR Band 48 Antenna B, K, L

Table H-241

NR Band n48 Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 30 MHz Bandwidth

NR Band n48 30 MHz Bandwidth				
Channel				
Antenna	637668 (3565.02 MHz)	640334 (3605.01 MHz)	643000 (3645 MHz)	645666 (3684.99 MHz)
	Conducted Power [dBm]			
SRS #2 Ant B	12.70	12.78	13.18	13.14
SRS #3 Ant K	14.28	14.25	14.24	14.07
SRS #4 Ant L	11.34	11.53	11.69	12.08

Table H-242

NR Band n48 Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 20 MHz Bandwidth

NR Band n48 20 MHz Bandwidth				
Channel				
Antenna	637334 (3560.01 MHz)	640222 (3603.33 MHz)	643112 (3646.68 MHz)	646000 (3690 MHz)
	Conducted Power [dBm]			
SRS #2 Ant B	12.93	12.97	13.38	13.43
SRS #3 Ant K	14.15	14.30	14.31	14.14
SRS #4 Ant L	11.42	11.63	11.81	12.29

Table H-243

NR Band n48 Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 15 MHz Bandwidth

NR Band n48 15 MHz Bandwidth				
Channel				
Antenna	637168 (3557.52 MHz)	640166 (3602.49 MHz)	643166 (3647.49 MHz)	646166 (3692.49 MHz)
	Conducted Power [dBm]			
SRS #2 Ant B	12.93	12.92	13.34	13.48
SRS #3 Ant K	14.12	14.38	14.30	14.15
SRS #4 Ant L	11.42	11.60	11.80	12.20

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 125 of 156

Table H-244

NR Band n48 Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 10 MHz Bandwidth

NR Band n48 10 MHz Bandwidth				
Channel				
Antenna	637000 (3555 MHz)	640112 (3601.68 MHz)	643222 (3648.33 MHz)	646332 (3694.98 MHz)
	Conducted Power [dBm]			
SRS #2 Ant B	12.98	13.01	13.39	13.46
SRS #3 Ant K	14.01	14.22	14.24	14.15
SRS #4 Ant L	11.30	11.63	11.76	12.44

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 126 of 156

H.2.14 NR Band 77 DoD Antenna G

Table H-245
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
90 MHz Bandwidth

NR Band n77 DoD 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.98	0	0.0
	1	123	16.96		0.0
	1	243	16.78		0.0
	120	0	16.98	0-1	0.0
	120	63	16.95	0	0.0
	120	125	16.92	0-1	0.0
	243	0	16.87		0.0
DFT-s-OFDM 16QAM	1	1	17.00	0-1	0.0
CP-OFDM QPSK	1	1	16.98	0-1.5	0.0

Table H-246
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
80 MHz Bandwidth

NR Band n77 DoD 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.00	0	0.0
	1	109	17.04		0.0
	1	215	16.93		0.0
	108	0	16.99	0-1	0.0
	108	55	16.99	0	0.0
	108	109	16.88	0-1	0.0
	216	0	16.96		0.0
DFT-s-OFDM 16QAM	1	1	17.15	0-1	0.0
CP-OFDM QPSK	1	1	17.06	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 127 of 156

Table H-247
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
70 MHz Bandwidth

NR Band n77 DoD 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.92	0	0.0
	1	95	17.07		0.0
	1	187	16.93		0.0
	90	0	17.10	0-1	0.0
	90	50	17.04	0	0.0
	90	99	16.93	0-1	0.0
	180	0	17.00		0.0
DFT-s-OFDM 16QAM	1	1	17.01	0-1	0.0
CP-OFDM QPSK	1	1	16.99	0-1.5	0.0

Table H-248
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
60 MHz Bandwidth

NR Band n77 DoD 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.16	0	0.0
	1	81	17.03		0.0
	1	160	16.96		0.0
	81	0	17.03	0-1	0.0
	81	41	17.00	0	0.0
	81	81	16.92	0-1	0.0
	162	0	16.87		0.0
DFT-s-OFDM 16QAM	1	1	16.93	0-1	0.0
CP-OFDM QPSK	1	1	16.92	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 128 of 156

Table H-249
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
50 MHz Bandwidth

NR Band n77 DoD 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.00	0	0.0
	1	67	16.97		0.0
	1	131	16.97		0.0
	64	0	17.06	0-1	0.0
	64	35	17.00	0	0.0
	64	69	16.91	0-1	0.0
	128	0	16.91		0.0
DFT-s-OFDM 16QAM	1	1	16.94	0-1	0.0
CP-OFDM QPSK	1	1	16.91	0-1.5	0.0

Table H-250
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
40 MHz Bandwidth

NR Band n77 DoD 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.96	0	0.0
	1	53	16.90		0.0
	1	104	16.84		0.0
	50	0	16.94	0-1	0.0
	50	28	16.90	0	0.0
	50	56	16.87	0-1	0.0
	100	0	16.89		0.0
DFT-s-OFDM 16QAM	1	1	16.95	0-1	0.0
CP-OFDM QPSK	1	1	16.94	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 129 of 156

Table H-251
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
30 MHz Bandwidth

NR Band n77 DoD 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.07	0	0.0
	1	39	16.94		0.0
	1	76	16.91		0.0
	36	0	16.98	0-1	0.0
	36	21	16.95	0	0.0
	36	42	16.92	0-1	0.0
	75	0	16.96		0.0
DFT-s-OFDM 16QAM	1	1	17.01	0-1	0.0
CP-OFDM QPSK	1	1	17.00	0-1.5	0.0

Table H-252
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
25 MHz Bandwidth

NR Band n77 DoD 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.19	0	0.0
	1	33	17.27		0.0
	1	63	16.86		0.0
	32	0	17.29	0-1	0.0
	32	17	17.27	0	0.0
	32	33	17.15	0-1	0.0
	64	0	17.15		0.0
DFT-s-OFDM 16QAM	1	1	17.07	0-1	0.0
CP-OFDM QPSK	1	1	17.19	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 130 of 156

Table H-253
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
20 MHz Bandwidth

NR Band n77 DoD 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.87	0	0.0
	1	26	16.88		0.0
	1	49	16.81		0.0
	25	0	16.85	0-1	0.0
	25	13	16.83	0	0.0
	25	26	16.91	0-1	0.0
	50	0	16.89		0.0
DFT-s-OFDM 16QAM	1	1	16.97	0-1	0.0
CP-OFDM QPSK	1	1	16.90	0-1.5	0.0

Table H-254
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –
15 MHz Bandwidth

NR Band n77 DoD 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.98	0	0.0
	1	19	16.90		0.0
	1	36	16.89		0.0
	18	0	16.93	0-1	0.0
	18	10	16.92	0	0.0
	18	20	16.90	0-1	0.0
	36	0	16.92		0.0
DFT-s-OFDM 16QAM	1	1	16.99	0-1	0.0
CP-OFDM QPSK	1	1	16.95	0-1.5	0.0

Table H-255
NR Band n77 DoD Antenna G Measured P_{Limit} for Free, or Hotspot Mode –

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 131 of 156

10 MHz Bandwidth

NR Band n77 DoD 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.95	0	0.0
	1	12	16.88		0.0
	1	22	16.88		0.0
	12	0	16.89	0-1	0.0
	12	6	16.91	0	0.0
	12	12	16.90	0-1	0.0
	24	0	16.88		0.0
DFT-s-OFDM 16QAM	1	1	16.95	0-1	0.0
CP-OFDM QPSK	1	1	16.90	0-1.5	0.0

Table H-256
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active – 90 MHz Bandwidth

NR Band n77 DoD 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.85	0	0.0
	1	123	15.79		0.0
	1	243	15.72		0.0
	120	0	15.94	0-1	0.0
	120	63	15.90	0	0.0
	120	125	15.82	0-1	0.0
	243	0	15.83		0.0
DFT-s-OFDM 16QAM	1	1	15.94	0-1	0.0
CP-OFDM QPSK	1	1	15.78	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 132 of 156

Table H-257
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
80 MHz Bandwidth

NR Band n77 DoD 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.94	0	0.0
	1	109	15.84		0.0
	1	215	15.75		0.0
	108	0	15.79	0-1	0.0
	108	55	15.80	0	0.0
	108	109	15.70	0-1	0.0
	216	0	15.78		0.0
DFT-s-OFDM 16QAM	1	1	15.88	0-1	0.0
CP-OFDM QPSK	1	1	15.85	0-1.5	0.0

Table H-258
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
70 MHz Bandwidth

NR Band n77 DoD 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.91	0	0.0
	1	95	15.86		0.0
	1	187	15.70		0.0
	90	0	15.79	0-1	0.0
	90	50	15.79	0	0.0
	90	99	15.69	0-1	0.0
	180	0	15.80		0.0
DFT-s-OFDM 16QAM	1	1	15.85	0-1	0.0
CP-OFDM QPSK	1	1	15.80	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 133 of 156

Table H-259
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
60 MHz Bandwidth

NR Band n77 DoD 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.86	0	0.0
	1	81	15.80		0.0
	1	160	15.75		0.0
	81	0	15.85	0-1	0.0
	81	41	15.83	0	0.0
	81	81	15.74	0-1	0.0
	162	0	15.81		0.0
DFT-s-OFDM 16QAM	1	1	15.84	0-1	0.0
CP-OFDM QPSK	1	1	15.82	0-1.5	0.0

Table H-260
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
50 MHz Bandwidth

NR Band n77 DoD 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.85	0	0.0
	1	67	15.81		0.0
	1	131	15.76		0.0
	64	0	15.82	0-1	0.0
	64	35	15.72	0	0.0
	64	69	15.68	0-1	0.0
	128	0	15.75		0.0
DFT-s-OFDM 16QAM	1	1	15.81	0-1	0.0
CP-OFDM QPSK	1	1	15.80	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 134 of 156

Table H-261
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
40 MHz Bandwidth

NR Band n77 DoD 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.94	0	0.0
	1	53	15.88		0.0
	1	104	15.77		0.0
	50	0	15.95	0-1	0.0
	50	28	15.95	0	0.0
	50	56	15.88	0-1	0.0
	100	0	15.90		0.0
DFT-s-OFDM 16QAM	1	1	15.98	0-1	0.0
CP-OFDM QPSK	1	1	15.91	0-1.5	0.0

Table H-262
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
30 MHz Bandwidth

NR Band n77 DoD 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.10	0	0.0
	1	39	15.97		0.0
	1	76	15.89		0.0
	36	0	16.00	0-1	0.0
	36	21	15.93	0	0.0
	36	42	15.90	0-1	0.0
	75	0	15.92		0.0
DFT-s-OFDM 16QAM	1	1	16.00	0-1	0.0
CP-OFDM QPSK	1	1	15.96	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 135 of 156

Table H-263
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
25 MHz Bandwidth

NR Band n77 DoD 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.05	0	0.0
	1	33	16.06		0.0
	1	63	15.80		0.0
	32	0	16.02	0-1	0.0
	32	17	16.05	0	0.0
	32	33	15.98	0-1	0.0
	64	0	15.81		0.0
DFT-s-OFDM 16QAM	1	1	15.96	0-1	0.0
CP-OFDM QPSK	1	1	15.92	0-1.5	0.0

Table H-264
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
20 MHz Bandwidth

NR Band n77 DoD 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.87	0	0.0
	1	26	16.88		0.0
	1	49	16.81		0.0
	25	0	16.85	0-1	0.0
	25	13	16.83	0	0.0
	25	26	16.91	0-1	0.0
	50	0	16.89		0.0
DFT-s-OFDM 16QAM	1	1	16.97	0-1	0.0
CP-OFDM QPSK	1	1	16.90	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 136 of 156

Table H-265
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
15 MHz Bandwidth

NR Band n77 DoD 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.97	0	0.0
	1	19	15.96		0.0
	1	36	15.99		0.0
	18	0	15.97	0-1	0.0
	18	10	15.95	0	0.0
	18	20	15.95	0-1	0.0
	36	0	15.96		0.0
DFT-s-OFDM 16QAM	1	1	16.01	0-1	0.0
CP-OFDM QPSK	1	1	15.96	0-1.5	0.0

Table H-266
NR Band n77 DoD Antenna G Measured P_{Limit} for RCV Active –
10 MHz Bandwidth

NR Band n77 DoD 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.04	0	0.0
	1	12	15.91		0.0
	1	22	15.93		0.0
	12	0	15.91	0-1	0.0
	12	6	15.92	0	0.0
	12	12	15.90	0-1	0.0
	24	0	15.91		0.0
DFT-s-OFDM 16QAM	1	1	15.97	0-1	0.0
CP-OFDM QPSK	1	1	15.88	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 137 of 156

H.2.15 NR Band 77 DoD Antenna B, K, L

Table H-267

NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode– 90 MHz Bandwidth

NR Band n77 DoD 90 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.11
SRS #3 Ant K	14.02
SRS #4 Ant L	12.52

Table H-268

NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 80 MHz Bandwidth

NR Band n77 DoD 80 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.16
SRS #3 Ant K	14.09
SRS #4 Ant L	12.56

Table H-269

NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode– 70 MHz Bandwidth

NR Band n77 DoD 70 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.14
SRS #3 Ant K	14.09
SRS #4 Ant L	12.68

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 138 of 156

Table H-270
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 60 MHz Bandwidth

NR Band n77 DoD 60 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.12
SRS #3 Ant K	14.08
SRS #4 Ant L	12.53

Table H-271
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 50 MHz Bandwidth

NR Band n77 DoD 50 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.30
SRS #3 Ant K	14.05
SRS #4 Ant L	12.60

Table H-272
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 40 MHz Bandwidth

NR Band n77 DoD 40 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.12
SRS #3 Ant K	14.00
SRS #4 Ant L	12.70

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 139 of 156

Table H-273
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 30 MHz Bandwidth

NR Band n77 DoD 30 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.18
SRS #3 Ant K	14.04
SRS #4 Ant L	12.67

Table H-274
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 25 MHz Bandwidth

NR Band n77 DoD 25 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	11.72
SRS #3 Ant K	14.26
SRS #4 Ant L	12.60

Table H-275
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 20 MHz Bandwidth

NR Band n77 DoD 20 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.20
SRS #3 Ant K	14.00
SRS #4 Ant L	12.66

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 140 of 156

Table H-276
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 15 MHz Bandwidth

NR Band n77 DoD 15 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.06
SRS #3 Ant K	14.00
SRS #4 Ant L	12.59

Table H-277
NR Band n77 DoD Antenna B, K, L Measured P_{Limit} for Free, RCV Active, Hotspot Mode – 10 MHz Bandwidth

NR Band n77 DoD 10 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	12.16
SRS #3 Ant K	13.98
SRS #4 Ant L	12.63

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 141 of 156

H.2.16 NR Band 77 C-Band Antenna G

Table H-278
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.58	17.63	0	0.0
	1	123	17.74	17.52		0.0
	1	243	17.51	16.89		0.0
	120	0	17.56	17.56	0-1	0.0
	120	63	17.65	17.40	0	0.0
	120	125	17.63	17.12	0-1	0.0
	243	0	17.57	17.34		0.0
DFT-s-OFDM 16QAM	1	1	17.44	17.51	0-1	0.0
CP-OFDM QPSK	1	1	17.40	17.44	0-1.5	0.0

Table H-279
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.35	17.49	0	0.0
	1	109	17.62	17.46		0.0
	1	215	17.41	16.85		0.0
	108	0	17.49	17.55	0-1	0.0
	108	55	17.56	17.45	0	0.0
	108	109	17.55	17.15	0-1	0.0
	216	0	17.52	17.35		0.0
DFT-s-OFDM 16QAM	1	1	17.39	17.47	0-1	0.0
CP-OFDM QPSK	1	1	17.39	17.48	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 142 of 156

Table H-280
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
70 MHz Bandwidth

NR Band n77 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.30	17.35	0	0.0
	1	95	17.52	17.35		0.0
	1	187	17.35	16.82		0.0
	90	0	17.43	17.44	0-1	0.0
	90	50	17.50	17.34	0	0.0
	90	99	17.48	17.06	0-1	0.0
	180	0	17.41	17.29		0.0
DFT-s-OFDM 16QAM	1	1	17.34	17.36	0-1	0.0
CP-OFDM QPSK	1	1	17.29	17.41	0-1.5	0.0

Table H-281
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.53	17.24	0	0.0
	1	81	17.58	17.28		0.0
	1	160	17.50	16.84		0.0
	81	0	17.51	17.35	0-1	0.0
	81	41	17.57	17.26	0	0.0
	81	81	17.55	17.07	0-1	0.0
	162	0	17.50	17.20		0.0
DFT-s-OFDM 16QAM	1	1	17.41	17.35	0-1	0.0
CP-OFDM QPSK	1	1	17.39	17.33	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 143 of 156

Table H-282
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.56	17.37	0	0.0
	1	67	17.58	17.31		0.0
	1	131	17.54	16.96		0.0
	64	0	17.62	17.38	0-1	0.0
	64	35	17.62	17.24	0	0.0
	64	69	17.61	17.12	0-1	0.0
	128	0	17.57	17.27		0.0
DFT-s-OFDM 16QAM	1	1	17.48	17.38	0-1	0.0
CP-OFDM QPSK	1	1	17.47	17.40	0-1.5	0.0

Table H-283
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.61	17.30	0	0.0
	1	53	17.60	17.22		0.0
	1	104	17.57	17.01		0.0
	50	0	17.57	17.37	0-1	0.0
	50	28	17.59	17.31	0	0.0
	50	56	17.62	17.19	0-1	0.0
	100	0	17.59	17.31		0.0
DFT-s-OFDM 16QAM	1	1	17.57	17.43	0-1	0.0
CP-OFDM QPSK	1	1	17.61	17.40	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 144 of 156

Table H-284
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
30 MHz Bandwidth

NR Band n77 30 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.57	17.41	0	0.0
	1	39	17.50	17.29		0.0
	1	76	17.58	17.15		0.0
	36	0	17.56	17.39	0-1	0.0
	36	21	17.55	17.34	0	0.0
	36	42	17.60	17.25	0-1	0.0
	75	0	17.52	17.35		0.0
DFT-s-OFDM 16QAM	1	1	17.55	17.41	0-1	0.0
CP-OFDM QPSK	1	1	17.55	17.39	0-1.5	0.0

Table H-285
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
25 MHz Bandwidth

NR Band n77 25 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.69	17.35	0	0.0
	1	33	17.60	17.31		0.0
	1	63	17.52	16.82		0.0
	32	0	17.59	17.44	0-1	0.0
	32	17	17.54	17.31	0	0.0
	32	33	17.65	17.07	0-1	0.0
	64	0	17.59	17.22		0.0
DFT-s-OFDM 16QAM	1	1	17.58	17.42	0-1	0.0
CP-OFDM QPSK	1	1	17.64	17.36	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 145 of 156

Table H-286
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.62	17.35	0	0.0
	1	26	17.58	17.31		0.0
	1	49	17.59	17.15		0.0
	25	0	17.59	17.47	0-1	0.0
	25	13	17.57	17.41	0	0.0
	25	26	17.56	17.34	0-1	0.0
	50	0	17.56	17.38		0.0
DFT-s-OFDM 16QAM	1	1	17.60	17.44	0-1	0.0
CP-OFDM QPSK	1	1	17.59	17.40	0-1.5	0.0

Table H-287
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
15 MHz Bandwidth

NR Band n77 15 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.62	17.43	0	0.0
	1	19	17.51	17.31		0.0
	1	36	17.60	17.14		0.0
	18	0	17.55	17.42	0-1	0.0
	18	10	17.60	17.39	0	0.0
	18	20	17.61	17.36	0-1	0.0
	36	0	17.61	17.40		0.0
DFT-s-OFDM 16QAM	1	1	17.66	17.44	0-1	0.0
CP-OFDM QPSK	1	1	17.59	17.51	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 146 of 156

Table H-288
NR Band n77 C-Band Antenna G Measured P_{Limit} for Free, or Hotspot Mode–
10 MHz Bandwidth

NR Band n77 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	17.71	17.40	0	0.0
	1	12	17.55	17.37		0.0
	1	22	17.60	17.09		0.0
	12	0	17.61	17.45	0-1	0.0
	12	6	17.60	17.43	0	0.0
	12	12	17.61	17.43	0-1	0.0
	24	0	17.57	17.43		0.0
DFT-s-OFDM 16QAM	1	1	17.63	17.40	0-1	0.0
CP-OFDM QPSK	1	1	17.56	17.39	0-1.5	0.0

Table H-289
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.35	16.50	0	0.0
	1	123	16.53	16.44		0.0
	1	243	16.37	15.78		0.0
	120	0	16.43	16.45	0-1	0.0
	120	63	16.52	16.34	0	0.0
	120	125	16.50	16.01	0-1	0.0
	243	0	16.46	16.24		0.0
DFT-s-OFDM 16QAM	1	1	16.36	16.45	0-1	0.0
CP-OFDM QPSK	1	1	16.30	16.44	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 147 of 156

Table H-290
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.39	16.51	0	0.0
	1	109	16.50	16.42		0.0
	1	215	16.42	15.84		0.0
	108	0	16.49	16.51	0-1	0.0
	108	55	16.54	16.37	0	0.0
	108	109	16.55	16.12	0-1	0.0
	216	0	16.49	16.31		0.0
DFT-s-OFDM 16QAM	1	1	16.38	16.43	0-1	0.0
CP-OFDM QPSK	1	1	16.34	16.42	0-1.5	0.0

Table H-291
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
70 MHz Bandwidth

NR Band n77 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.30	16.29	0	0.0
	1	95	16.64	16.20		0.0
	1	187	16.53	15.75		0.0
	90	0	16.58	16.35	0-1	0.0
	90	50	16.58	16.26	0	0.0
	90	99	16.58	16.00	0-1	0.0
	180	0	16.54	16.22		0.0
DFT-s-OFDM 16QAM	1	1	16.37	16.35	0-1	0.0
CP-OFDM QPSK	1	1	16.36	16.33	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 148 of 156

Table H-292
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.41	16.41	0	0.0
	1	81	16.52	16.17		0.0
	1	160	16.46	15.76		0.0
	81	0	16.50	16.26	0-1	0.0
	81	41	16.51	16.20	0	0.0
	81	81	16.52	16.02	0-1	0.0
	162	0	16.45	16.15		0.0
DFT-s-OFDM 16QAM	1	1	16.38	16.30	0-1	0.0
CP-OFDM QPSK	1	1	16.38	16.26	0-1.5	0.0

Table H-293
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.56	16.42	0	0.0
	1	67	16.62	16.28		0.0
	1	131	16.54	15.97		0.0
	64	0	16.58	16.39	0-1	0.0
	64	35	16.55	16.30	0	0.0
	64	69	16.58	16.12	0-1	0.0
	128	0	16.56	16.38		0.0
DFT-s-OFDM 16QAM	1	1	16.48	16.44	0-1	0.0
CP-OFDM QPSK	1	1	16.49	16.42	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 149 of 156

Table H-294
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.52	16.54	0	0.0
	1	53	16.58	16.33		0.0
	1	104	16.40	15.94		0.0
	50	0	16.58	16.43	0-1	0.0
	50	28	16.57	16.37	0	0.0
	50	56	16.61	16.16	0-1	0.0
	100	0	16.54	16.39		0.0
DFT-s-OFDM 16QAM	1	1	16.50	16.50	0-1	0.0
CP-OFDM QPSK	1	1	16.51	16.46	0-1.5	0.0

Table H-295
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
30 MHz Bandwidth

NR Band n77 30 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.58	16.42	0	0.0
	1	39	16.50	16.24		0.0
	1	76	16.42	16.02		0.0
	36	0	16.60	16.36	0-1	0.0
	36	21	16.56	16.32	0	0.0
	36	42	16.59	16.23	0-1	0.0
	75	0	16.53	16.33		0.0
DFT-s-OFDM 16QAM	1	1	16.63	16.43	0-1	0.0
CP-OFDM QPSK	1	1	16.53	16.40	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 150 of 156

Table H-296
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
25 MHz Bandwidth

NR Band n77 25 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.46	16.41	0	0.0
	1	33	16.51	16.39		0.0
	1	63	16.46	16.05		0.0
	32	0	16.50	16.49	0-1	0.0
	32	17	16.57	16.34	0	0.0
	32	33	16.57	16.05	0-1	0.0
	64	0	16.49	16.35		0.0
DFT-s-OFDM 16QAM	1	1	16.33	16.41	0-1	0.0
CP-OFDM QPSK	1	1	16.39	16.39	0-1.5	0.0

Table H-297
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.64	16.28	0	0.0
	1	26	16.53	16.28		0.0
	1	49	16.55	15.98		0.0
	25	0	16.56	16.31	0-1	0.0
	25	13	16.52	16.32	0	0.0
	25	26	16.55	16.08	0-1	0.0
	50	0	16.51	16.30		0.0
DFT-s-OFDM 16QAM	1	1	16.57	16.40	0-1	0.0
CP-OFDM QPSK	1	1	16.60	16.34	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 151 of 156

Table H-298
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
15 MHz Bandwidth

NR Band n77 15 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.61	16.46	0	0.0
	1	19	16.49	16.37		0.0
	1	36	16.52	16.03		0.0
	18	0	16.53	16.40	0-1	0.0
	18	10	16.54	16.39	0	0.0
	18	20	16.52	16.04	0-1	0.0
	36	0	16.55	16.37		0.0
DFT-s-OFDM 16QAM	1	1	16.61	16.42	0-1	0.0
CP-OFDM QPSK	1	1	16.53	16.30	0-1.5	0.0

Table H-299
NR Band n77 C-Band Antenna G Measured P_{Limit} for RCV Active –
10 MHz Bandwidth

NR Band n77 10 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.65	16.45	0	0.0
	1	12	16.54	16.37		0.0
	1	22	16.48	16.04		0.0
	12	0	16.38	16.43	0-1	0.0
	12	6	16.46	16.43	0	0.0
	12	12	16.47	16.09	0-1	0.0
	24	0	16.46	16.38		0.0
DFT-s-OFDM 16QAM	1	1	16.56	16.45	0-1	0.0
CP-OFDM QPSK	1	1	16.50	16.42	0-1.5	0.0

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 152 of 156

H.2.17 NR Band 77 C-Band Antenna B, K, L

Table H-300

NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.15	11.82
SRS #3 Ant K	14.84	14.98
SRS #4 Ant L	13.64	13.00

Table H-301

NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.13	11.84
SRS #3 Ant K	14.76	14.89
SRS #4 Ant L	13.42	12.91

Table H-302

NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–70 MHz Bandwidth

NR Band n77 70 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.19	11.89
SRS #3 Ant K	14.86	14.90
SRS #4 Ant L	13.47	12.94

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 153 of 156

Table H-303
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode—
60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.12	11.87
SRS #3 Ant K	14.81	14.94
SRS #4 Ant L	13.47	12.94

Table H-304
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode—
50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.13	11.93
SRS #3 Ant K	14.93	14.96
SRS #4 Ant L	13.54	12.94

Table H-305
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode—
40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.17	11.90
SRS #3 Ant K	14.83	14.98
SRS #4 Ant L	13.50	12.95

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 154 of 156

Table H-306
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–
30 MHz Bandwidth

NR Band n77 30 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.19	11.88
SRS #3 Ant K	14.90	14.92
SRS #4 Ant L	13.53	12.92

Table H-307
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–
25 MHz Bandwidth

NR Band n77 25 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.11	11.85
SRS #3 Ant K	14.88	14.92
SRS #4 Ant L	13.58	12.99

Table H-308
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–
20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.16	11.95
SRS #3 Ant K	14.90	15.02
SRS #4 Ant L	13.52	12.98

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 155 of 156

Table H-309
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–
15 MHz Bandwidth

NR Band n77 15 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.16	11.88
SRS #3 Ant K	14.86	14.95
SRS #4 Ant L	13.46	12.94

Table H-310
NR Band n77 C-Band Antenna B, K, L Measured P_{Limit} for Free, RCV Active, or Hotspot Mode–
10 MHz Bandwidth

NR Band n77 10 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant B	13.17	11.87
SRS #3 Ant K	14.73	15.00
SRS #4 Ant L	13.53	12.95

FCC ID: A3LSMA356U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 156 of 156