

APPENDIX H: LTE AND NR LOWER BANDWIDTH RF

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 Antenna A

Table H-1
LTE Band 71 Antenna A Measured P_{max} for all ECI – 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	23.85	0	0	
	1	36	24.04		0	
	1	74	24.02		0	
	36	0	23.00	0-1	1	
	36	18	23.02		1	
	36	37	23.07		1	
	75	0	23.04		1	
16QAM	1	0	23.44	0-1	1	
	1	36	23.44		1	
	1	74	23.47		1	
	36	0	22.01	0-2	2	
	36	18	22.09		2	
	36	37	22.16		2	
64QAM	75	0	22.08	0-2	2	
	1	0	21.75		0-2	2
	1	36	22.01			2
	1	74	22.08	0-3		2
	36	0	21.05		3	
	36	18	21.15		3	
256QAM	36	37	21.22	0-3	3	
	75	0	21.05		3	
	1	0	19.44		0-5	5
	1	36	19.48	5		
	1	74	19.47	5		
	36	0	18.98	5		
	36	18	19.07	5		
36	37	19.15	5			
75	0	19.06	5			

Note: LTE Band 71 at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 1 of 131

Table H-2
LTE Band 71 Antenna A Measured P_{max} for all ECI – 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	23.88	23.85	24.09	0	0	
	1	25	23.80	23.94	24.24		0	
	1	49	23.82	23.98	24.39		0	
	25	0	22.90	22.98	23.25	0-1	1	
	25	12	22.92	23.00	23.30		1	
	25	25	22.93	23.03	23.38		1	
16QAM	50	0	22.95	23.03	23.32	0-1	1	
	1	0	23.21	23.02	23.78		1	
	1	25	23.16	23.09	23.95		1	
	1	49	23.14	23.10	23.97	0-2	1	
	25	0	22.06	22.03	22.42		2	
	25	12	22.09	22.10	22.47		2	
64QAM	25	25	22.07	22.16	22.54	0-2	2	
	50	0	22.00	22.05	22.37		2	
	1	0	22.26	21.84	22.23		0-2	2
	1	25	22.13	21.95	22.32	2		
	1	49	22.08	22.03	22.51	2		
	256QAM	25	0	21.03	21.06	21.40	0-3	3
25		12	21.03	21.12	21.47	3		
25		25	21.03	21.18	21.54	3		
50		0	20.96	21.10	21.41	0-5	3	
1		0	18.81	18.99	19.84		5	
1		25	18.65	19.12	19.95		5	
16QAM	1	49	18.65	19.16	19.98	0-5	5	
	25	0	19.00	18.98	19.38		5	
	25	12	19.01	19.04	19.46		5	
	64QAM	25	25	19.00	19.10	19.53	0-5	5
		50	0	18.95	19.04	19.41		5

Table H-3
LTE Band 71 Antenna A Measured P_{max} for all ECI – 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	23.94	24.02	24.15	0	0
	1	12	23.97	24.04	24.28		0
	1	24	23.88	24.07	24.28		0
	12	0	22.93	22.94	23.34	0-1	1
	12	6	22.95	22.97	23.35		1
	12	13	22.91	22.96	23.36		1
16QAM	25	0	22.94	23.01	23.41	0-1	1
	1	0	23.12	23.35	23.45		1
	1	12	23.15	23.40	23.57		1
	1	24	22.99	23.42	23.61	0-2	1
	12	0	22.05	22.22	22.51		2
	12	6	22.05	22.25	22.53		2
64QAM	12	13	22.04	22.27	22.53	0-2	2
	25	0	22.07	22.06	22.59		2
	1	0	22.47	21.74	22.57		0-2
	1	12	22.46	21.84	22.65	2	
	1	24	22.46	21.83	22.71	2	
	256QAM	12	0	21.17	21.08	21.52	0-3
12		6	21.14	21.12	21.54	3	
12		13	21.14	21.17	21.55	3	
25		0	21.08	21.08	21.51	0-5	3
1		0	19.19	19.17	19.48		5
1		12	19.12	19.22	19.58		5
16QAM	1	24	19.06	19.25	19.60	0-5	5
	12	0	19.10	19.04	19.48		5
	12	6	19.10	19.05	19.50		5
	12	13	19.08	19.09	19.51	0-5	5
	25	0	19.03	19.03	19.53		5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 2 of 131

H.1.2 LTE Band 12 Antenna A

Table H-4
LTE Band 12 Antenna A Measured P_{max} for all ECI – 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	24.36	24.38	24.56	0	0
	1	12	24.41	24.44	24.58		0
	1	24	24.38	24.43	24.68		0
	12	0	23.49	23.53	23.60	0-1	1
	12	6	23.54	23.55	23.57		1
	12	13	23.54	23.54	23.59		1
16QAM	25	0	23.59	23.61	23.65	0-1	1
	1	0	23.65	23.68	23.73		1
	1	12	23.75	23.76	23.73		1
	1	24	23.74	23.74	23.78	0-2	1
	12	0	22.53	22.57	22.62		2
	12	6	22.57	22.58	22.59		2
64QAM	12	13	22.56	22.60	22.60	0-2	2
	25	0	22.63	22.67	22.66		2
	1	0	22.65	22.64	23.11		0-2
	1	12	22.72	22.68	23.13	2	
	1	24	22.68	22.70	23.16	2	
	256QAM	12	0	21.72	21.70	21.82	0-3
12		6	21.72	21.72	21.82	3	
12		13	21.72	21.74	21.76	3	
25		0	21.68	21.69	21.74	0-5	3
1		0	19.70	19.71	19.87		5
1		12	19.71	19.78	19.85		5
256QAM	1	24	19.72	19.73	19.89	0-5	5
	12	0	19.66	19.66	19.76		5
	12	6	19.64	19.65	19.76		5
	12	13	19.65	19.67	19.70	5	
	25	0	19.70	19.70	19.68	5	

Table H-5
LTE Band 12 Antenna A Measured P_{max} for all ECI – 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	24.39	24.38	24.41	0	0
	1	7	24.55	24.43	24.52		0
	1	14	24.43	24.44	24.54		0
	8	0	23.47	23.49	23.53	0-1	1
	8	4	23.47	23.49	23.56		1
	8	7	23.48	23.50	23.54		1
16QAM	15	0	23.49	23.51	23.58	0-1	1
	1	0	24.02	23.75	23.60		1
	1	7	24.07	23.76	23.71		1
	1	14	24.04	23.76	23.65	0-2	1
	8	0	22.57	22.59	22.61		2
	8	4	22.62	22.58	22.63		2
64QAM	8	7	22.60	22.59	22.61	0-2	2
	15	0	22.59	22.61	22.49		2
	1	0	22.48	22.69	22.74		0-2
	1	7	22.49	22.72	22.75	2	
	1	14	22.34	22.70	22.77	2	
	256QAM	8	0	21.67	21.63	21.68	0-3
8		4	21.69	21.65	21.65	3	
8		7	21.67	21.68	21.62	3	
15		0	21.63	21.72	21.74	0-5	3
1		0	20.01	19.69	19.84		5
1		7	20.00	19.78	19.71		5
256QAM	1	14	20.15	19.74	19.67	0-5	5
	8	0	19.66	19.68	19.54		5
	8	4	19.71	19.65	19.53		5
	8	7	19.70	19.70	19.48	5	
	15	0	19.60	19.67	19.65	5	

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 3 of 131

Table H-6
LTE Band 12 Antenna A Measured P_{max} for all ECI – 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	24.52	24.50	24.49	0	0
	1	2	24.53	24.49	24.53		0
	1	5	24.57	24.62	24.58		0
	3	0	24.47	24.47	24.60		0
	3	2	24.45	24.47	24.63		0
	3	3	24.46	24.48	24.64	0	
	6	0	23.52	23.54	23.60	0-1	1
16QAM	1	0	23.65	23.67	23.82	0-1	1
	1	2	23.62	23.68	23.80		1
	1	5	23.74	23.73	23.91		1
	3	0	23.69	23.66	23.54		1
	3	2	23.74	23.71	23.53		1
	3	3	23.74	23.66	23.59	1	
	6	0	22.64	22.63	22.61	0-2	2
64QAM	1	0	22.84	22.81	22.74	0-2	2
	1	2	22.88	22.91	22.68		2
	1	5	22.85	22.87	22.83		2
	3	0	22.70	22.74	22.80		2
	3	2	22.71	22.69	22.81		2
	3	3	22.68	22.73	22.79	2	
	6	0	21.56	21.59	21.74	0-3	3
256QAM	1	0	19.63	19.69	19.40	0-5	5
	1	2	19.70	19.72	19.44		5
	1	5	19.72	19.76	19.47		5
	3	0	19.66	19.67	19.59		5
	3	2	19.65	19.65	19.54		5
	3	3	19.65	19.64	19.56	5	
	6	0	19.69	19.68	19.73		5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 4 of 131

H.1.3 LTE Band 13 Antenna A

Table H-7
LTE Band 13 Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	23.17	0	0
	1	12	23.27		0
	1	24	23.28		0
	12	0	22.31	0-1	1
	12	6	22.37		1
	12	13	22.38		1
	25	0	22.39		1
16QAM	1	0	22.49	0-1	1
	1	12	22.62		1
	1	24	22.69		1
	12	0	21.45	0-2	2
	12	6	21.48		2
	12	13	21.50		2
	25	0	21.53		2
64QAM	1	0	21.59	0-2	2
	1	12	21.64		2
	1	24	21.66		2
	12	0	20.43	0-3	3
	12	6	20.47		3
	12	13	20.50		3
	25	0	20.45		3
256QAM	1	0	18.53	0-5	5
	1	12	18.59		5
	1	24	18.66		5
	12	0	18.41		5
	12	6	18.43		5
	12	13	18.46		5
	25	0	18.49		5

Note: LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 5 of 131

Table H-8
LTE Band 13 Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.95	0	0
	1	12	20.07		0
	1	24	20.07		0
	12	0	19.94	0-1	0
	12	6	19.98		0
	12	13	20.04		0
	25	0	20.02		0
16QAM	1	0	20.35	0-1	0
	1	12	20.40		0
	1	24	20.45		0
	12	0	20.02	0-2	0
	12	6	20.05		0
	12	13	20.09		0
	25	0	19.98		0
64QAM	1	0	19.95	0-2	0
	1	12	20.07		0
	1	24	20.11		0
	12	0	19.87	0-3	0
	12	6	19.88		0
	12	13	19.94		0
	25	0	20.00		0
256QAM	1	0	18.07	0-5	2
	1	12	18.15		2
	1	24	18.21		2
	12	0	17.98		2
	12	6	17.98		2
	12	13	18.04		2
	25	0	18.03		2

Note: LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 6 of 131

H.1.4 LTE Band 14 Antenna A

Table H-9
LTE Band 13 Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	23.39	0	0
	1	12	23.42		0
	1	24	23.29		0
	12	0	22.51	0-1	1
	12	6	22.45		1
	12	13	22.41		1
	25	0	22.56	1	
16QAM	1	0	22.69	0-1	1
	1	12	22.73		1
	1	24	22.60		1
	12	0	21.54	0-2	2
	12	6	21.47		2
	12	13	21.44		2
	25	0	21.58	2	
64QAM	1	0	21.65	0-2	2
	1	12	21.75		2
	1	24	21.54		2
	12	0	20.66	0-3	3
	12	6	20.61		3
	12	13	20.58		3
	25	0	20.60	3	
256QAM	1	0	18.65	0-5	5
	1	12	18.70		5
	1	24	18.63		5
	12	0	18.65		5
	12	6	18.58		5
	12	13	18.53		5
	25	0	18.62	5	

Note: LTE Band 14 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 7 of 131

Table H-10
LTE Band 13 Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.19	0	0
	1	12	20.22		0
	1	24	20.18		0
	12	0	20.25	0-1	0
	12	6	20.20		0
	12	13	20.15		0
	25	0	20.25		0
16QAM	1	0	20.55	0-1	0
	1	12	20.59		0
	1	24	20.54		0
	12	0	20.31	0-2	0
	12	6	20.25		0
	12	13	20.23		0
	25	0	20.19		0
64QAM	1	0	20.21	0-2	0
	1	12	20.25		0
	1	24	20.21		0
	12	0	20.16	0-3	0
	12	6	20.10		0
	12	13	20.08		0
	25	0	20.21		0
256QAM	1	0	18.28	0-5	2
	1	12	18.30		2
	1	24	18.26		2
	12	0	18.25		2
	12	6	18.19		2
	12	13	18.16		2
	25	0	18.25		2

Note: LTE Band 14 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 8 of 131

H.1.5 LTE Band 26 Antenna A

Table H-11
LTE Band 26 (Cell) Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.41	24.33	24.46	0	0
	1	25	24.39	24.40	24.49		0
	1	49	24.40	24.46	24.48		0
	25	0	23.50	23.49	23.52	0-1	1
	25	12	23.47	23.47	23.52		1
	25	25	23.50	23.48	23.50		1
50	0	23.52	23.48	23.50	1		
16QAM	1	0	23.74	23.49	23.95	0-1	1
	1	25	23.72	23.57	23.97		1
	1	49	23.71	23.60	23.99		1
	25	0	22.62	22.50	22.56	0-2	2
	25	12	22.53	22.49	22.58		2
	25	25	22.60	22.51	22.55		2
50	0	22.51	22.46	22.46	2		
64QAM	1	0	22.69	22.27	22.49	0-2	2
	1	25	22.75	22.37	22.47		2
	1	49	22.69	22.40	22.45		2
	25	0	21.55	21.54	21.56	0-3	3
	25	12	21.48	21.50	21.54		3
	25	25	21.54	21.51	21.53		3
50	0	21.50	21.52	21.49	3		
256QAM	1	0	19.29	19.50	19.98	0-5	5
	1	25	19.27	19.65	19.95		5
	1	49	19.24	19.58	19.96		5
	25	0	19.65	19.55	19.60	0-5	5
	25	12	19.62	19.56	19.59		5
	25	25	19.62	19.54	19.56		5
50	0	19.58	19.50	19.51	5		

Table H-12
LTE Band 26 (Cell) Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	24.45	24.47	24.36	0	0
	1	12	24.52	24.61	24.38		0
	1	24	24.48	24.56	24.30		0
	12	0	23.54	23.47	23.49	0-1	1
	12	6	23.52	23.44	23.46		1
	12	13	23.48	23.46	23.46		1
25	0	23.56	23.50	23.53	1		
16QAM	1	0	23.61	23.82	23.67	0-1	1
	1	12	23.66	23.88	23.69		1
	1	24	23.57	23.87	23.65		1
	12	0	22.55	22.68	22.55	0-2	2
	12	6	22.51	22.64	22.49		2
	12	13	22.51	22.67	22.49		2
25	0	22.56	22.48	22.58	2		
64QAM	1	0	22.97	22.18	22.60	0-2	2
	1	12	22.99	22.29	22.65		2
	1	24	22.96	22.22	22.61		2
	12	0	21.64	21.51	21.51	0-3	3
	12	6	21.60	21.51	21.46		3
	12	13	21.58	21.53	21.46		3
25	0	21.56	21.49	21.47	3		
256QAM	1	0	19.71	19.70	19.62	0-5	5
	1	12	19.72	19.81	19.67		5
	1	24	19.71	19.76	19.63		5
	12	0	19.67	19.62	19.57	0-5	5
	12	6	19.63	19.60	19.55		5
	12	13	19.65	19.62	19.52		5
25	0	19.63	19.58	19.57	5		

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 9 of 131

Table H-13

LTE Band 26 (Cell) Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.32	24.29	24.39	0	0
	1	7	24.40	24.42	24.42		0
	1	14	24.31	24.34	24.38		0
	8	0	23.46	23.37	23.47	0-1	1
	8	4	23.43	23.40	23.46		1
	8	7	23.42	23.39	23.46		1
16QAM	15	0	23.45	23.40	23.46	0-1	1
	1	0	23.69	23.48	23.98		1
	1	7	23.74	23.51	24.00		1
	8	0	22.54	22.45	22.57	0-2	2
	8	4	22.51	22.46	22.58		2
	8	7	22.50	22.45	22.55		2
64QAM	15	0	22.54	22.33	22.52	0-2	2
	1	0	22.63	22.16	22.34		2
	1	7	22.69	22.31	22.40		2
	8	0	21.46	21.40	21.52	0-3	3
	8	4	21.42	21.43	21.49		3
	8	7	21.43	21.40	21.49		3
256QAM	15	0	21.49	21.52	21.41	0-5	3
	1	0	19.24	19.55	19.95		5
	1	7	19.27	19.63	19.90		5
	8	0	19.65	19.45	19.62	0-5	5
	8	4	19.60	19.48	19.59		5
	8	7	19.59	19.45	19.58		5
15	0	19.58	19.56	19.47		5	

Table H-14

LTE Band 26 (Cell) Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.38	24.33	24.56	0	0	
	1	2	24.31	24.31	24.52		0	
	1	5	24.39	24.38	24.56		0	
	3	0	24.47	24.43	24.41	0-1	0	
	3	2	24.50	24.43	24.38		0	
	3	3	24.51	24.47	24.40		0	
16QAM	6	0	23.46	23.39	23.46	0-1	1	
	1	0	23.68	23.48	23.61		1	
	1	2	23.66	23.55	23.54		1	
	3	0	23.42	23.52	23.64	0-1	1	
	3	2	23.38	23.51	23.65		1	
	3	3	23.41	23.52	23.66		1	
64QAM	6	0	22.43	22.39	22.60	0-2	2	
	1	0	22.60	22.27	22.77		2	
	1	2	22.51	22.29	22.80		2	
	3	0	22.67	22.53	22.70	0-2	2	
	3	2	22.62	22.54	22.65		2	
	3	3	22.68	22.56	22.65		2	
256QAM	6	0	21.48	21.35	21.32	0-3	3	
	1	0	19.29	19.55	19.60		0-5	5
	1	2	19.27	19.54	19.65			5
	3	0	19.52	19.53	19.59	0-5		5
	3	2	19.53	19.55	19.52		5	
	3	3	19.52	19.55	19.54		5	
6	0	19.64	19.44	19.58		5		

Table H-15
LTE Band 26 (Cell) Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.47	23.39	23.42	0	0
	1	25	23.45	23.45	23.42		0
	1	49	23.46	23.48	23.41		0
	25	0	23.49	23.48	23.45	0-1	0
	25	12	23.46	23.48	23.44		0
	25	25	23.50	23.44	23.40		0
16QAM	50	0	23.53	23.51	23.43	0-1	0
	1	0	23.79	23.66	23.69		0
	1	25	23.78	23.87	23.84		0
	1	49	23.74	23.84	23.68	0-2	0
	25	0	22.52	22.45	22.44		1
	25	12	22.45	22.45	22.45		1
	25	25	22.46	22.45	22.42	1	
	50	0	22.49	22.48	22.41	1	
64QAM	1	0	22.75	22.61	22.64	0-2	1
	1	25	22.58	22.71	22.63		1
	1	49	22.63	22.73	22.67		1
	25	0	21.54	21.53	21.47	0-3	2
	25	12	21.51	21.50	21.44		2
	25	25	21.52	21.50	21.41		2
256QAM	50	0	21.53	21.51	21.46	0-5	2
	1	0	19.72	19.57	19.62		4
	1	25	19.49	19.65	19.63		4
	1	49	19.66	19.65	19.63	4	
	25	0	19.54	19.51	19.44	4	
	25	12	19.47	19.47	19.46	4	
25	25	19.52	19.47	19.41	4		
50	0	19.52	19.50	19.43	4		

Table H-16
LTE Band 26 (Cell) Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.21	23.44	23.43	0	0
	1	12	23.42	23.53	23.47		0
	1	24	23.44	23.51	23.45		0
	12	0	23.53	23.48	23.53	0-1	0
	12	6	23.50	23.45	23.45		0
	12	13	23.48	23.49	23.41		0
16QAM	25	0	23.51	23.48	23.44	0-1	0
	1	0	23.80	23.77	23.68		0
	1	12	23.78	23.87	23.80		0
	1	24	23.73	23.78	23.74	0-2	0
	12	0	22.58	22.53	22.54		1
	12	6	22.51	22.51	22.44		1
	12	13	22.54	22.51	22.48	1	
	25	0	22.53	22.48	22.44	1	
64QAM	1	0	22.68	22.62	22.62	0-2	1
	1	12	22.71	22.63	22.74		1
	1	24	22.58	22.67	22.60		1
	12	0	21.65	21.62	21.58	0-3	2
	12	6	21.56	21.57	21.53		2
	12	13	21.54	21.56	21.49		2
256QAM	25	0	21.57	21.57	21.51	0-5	2
	1	0	19.68	19.63	19.54		4
	1	12	19.62	19.68	19.57		4
	1	24	19.55	19.62	19.62	4	
	12	0	19.56	19.55	19.51	4	
	12	6	19.50	19.53	19.46	4	
12	13	19.42	19.50	19.42	4		
25	0	19.53	19.56	19.50	4		

Table H-17
LTE Band 26 (Cell Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.36	23.37	23.36	0	0
	1	7	23.37	23.40	23.45		0
	1	14	23.43	23.36	23.34		0
	8	0	23.44	23.38	23.40	0-1	0
	8	4	23.46	23.40	23.36		0
	8	7	23.39	23.40	23.38		0
16QAM	15	0	23.42	23.40	23.38	0-1	0
	1	0	23.60	23.62	23.85		0
	1	7	23.72	23.83	23.79		0
	1	14	23.73	23.62	23.80	0-2	0
	8	0	22.53	22.48	22.50		1
	8	4	22.52	22.47	22.50		1
64QAM	8	7	22.48	22.49	22.46	0-2	1
	15	0	22.42	22.43	22.43		1
	1	0	22.56	22.59	22.50		0-2
	1	7	22.64	22.58	22.66	1	
	1	14	22.60	22.59	22.53	1	
	256QAM	8	0	21.62	21.53	21.52	0-3
8		4	21.56	21.54	21.45	2	
8		7	21.50	21.54	21.47	2	
15		0	21.53	21.58	21.49	0-5	2
1		0	19.56	19.57	19.54		4
1		7	19.57	19.60	19.48		4
256QAM	1	14	19.50	19.54	19.53	0-5	4
	8	0	19.54	19.54	19.46		4
	8	4	19.51	19.51	19.42		4
	8	7	19.51	19.50	19.44	0-5	4
	15	0	19.51	19.49	19.44		4

Table H-18
LTE Band 26 (Cell Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 1.4 MHz Bandwidth

LTE Band 26 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
Conducted Power [dBm]							
QPSK	1	0	23.41	23.41	23.41	0	0
	1	2	23.34	23.35	23.37		0
	1	5	23.43	23.37	23.39		0
	3	0	23.42	23.36	23.39	0-1	0
	3	2	23.34	23.36	23.36		0
	3	3	23.41	23.37	23.33		0
16QAM	6	0	23.41	23.36	23.38	0-1	0
	1	0	23.81	23.69	23.69		0
	1	2	23.77	23.69	23.70		0-1
	1	5	23.73	23.70	23.65	0	
	3	0	23.59	23.51	23.44	0	
	64QAM	3	2	23.44	23.50	23.49	0-2
3		3	23.52	23.42	23.46	0	
6		0	22.52	22.48	22.43	0-2	
1		0	22.66	22.59	22.62		1
1		2	22.53	22.57	22.54		1
256QAM		1	5	22.51	22.56	22.54	0-2
	3	0	22.50	22.42	22.43	1	
	3	2	22.41	22.41	22.35	1	
	3	3	22.45	22.40	22.40	0-3	1
	6	0	21.52	21.49	21.49		2
	1	0	19.62	19.60	19.56		0-5
1	2	19.57	19.60	19.56	4		
1	5	19.58	19.57	19.55	4		
3	0	19.62	19.59	19.50	4		
3	2	19.55	19.57	19.47	4		
3	3	19.58	19.56	19.48	4		
6	0	19.54	19.43	19.39	4		

H.1.6 LTE Band 66 Antenna B

Table H-19
LTE Band 66 (AWS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	25.33	24.71	24.57	0	0
	1	36	25.26	24.69	24.61		0
	1	74	25.19	24.63	24.66		0
	36	0	24.36	23.59	23.61	0-1	1
	36	18	24.32	23.53	23.58		1
	36	37	24.29	23.52	23.55		1
	75	0	24.31	23.54	23.55		1
16QAM	1	0	24.11	23.91	24.14	0-1	1
	1	36	24.13	23.88	24.06		1
	1	74	23.97	23.84	24.04		1
	36	0	23.33	22.59	22.60	0-2	2
	36	18	23.30	22.54	22.56		2
	36	37	23.25	22.51	22.54		2
	75	0	23.34	22.54	22.58		2
64QAM	1	0	23.13	23.00	22.61	0-2	2
	1	36	23.10	22.98	22.52		2
	1	74	23.05	22.91	22.53		2
	36	0	22.41	21.61	21.59	0-3	3
	36	18	22.35	21.56	21.56		3
	36	37	22.32	21.52	21.53		3
	75	0	22.32	21.52	21.57		3
256QAM	1	0	20.24	20.09	20.30	0-5	5
	1	36	20.26	20.12	20.28		5
	1	74	20.11	20.07	20.28		5
	36	0	20.40	19.67	19.67		5
	36	18	20.41	19.65	19.65		5
	36	37	20.36	19.61	19.63		5
	75	0	20.38	19.65	19.65		5

Table H-20
LTE Band 66 (AWS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	25.26	24.47	24.55	0	0
	1	25	25.15	24.43	24.52		0
	1	49	25.20	24.49	24.62		0
	25	0	24.25	23.49	23.50	0-1	1
	25	12	24.21	23.44	23.48		1
	25	25	24.20	23.44	23.44		1
	50	0	24.22	23.44	23.47		1
16QAM	1	0	24.25	23.87	24.05	0-1	1
	1	25	24.22	23.81	23.94		1
	1	49	24.19	23.87	23.97		1
	25	0	23.27	22.58	22.56	0-2	2
	25	12	23.20	22.51	22.55		2
	25	25	23.23	22.50	22.50		2
	50	0	23.20	22.43	22.47		2
64QAM	1	0	22.99	22.67	22.50	0-2	2
	1	25	23.09	22.61	22.43		2
	1	49	23.01	22.66	22.49		2
	25	0	22.31	21.52	21.50	0-3	3
	25	12	22.24	21.45	21.48		3
	25	25	22.25	21.44	21.44		3
	50	0	22.21	21.44	21.46		3
256QAM	1	0	20.17	19.56	20.28	0-5	5
	1	25	20.15	19.48	20.16		5
	1	49	20.17	19.55	20.26		5
	25	0	20.34	19.67	19.60		5
	25	12	20.36	19.62	19.58		5
	25	25	20.34	19.61	19.54		5
	50	0	20.30	19.54	19.54		5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 13 of 131

Table H-21

LTE Band 66 (AWS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	25.35	24.52	24.38	0	0
	1	12	25.36	24.54	24.40		0
	1	24	25.28	24.49	24.42		0
	12	0	24.33	23.47	23.52	0-1	1
	12	6	24.27	23.44	23.51		1
	12	13	24.28	23.43	23.48		1
16QAM	25	0	24.31	23.48	23.56	0-1	1
	1	0	24.45	23.66	23.79		1
	1	12	24.43	23.60	23.88		1
	1	24	24.18	23.56	23.83	0-2	1
	12	0	23.47	22.50	22.62		2
	12	6	23.47	22.45	22.59		2
64QAM	25	0	23.46	22.45	22.56	0-2	2
	1	0	23.27	22.48	22.57		2
	1	12	23.27	22.48	22.57		2
	1	24	23.30	22.72	22.61	0-3	2
	12	0	23.44	22.75	22.67		2
	12	6	23.30	22.68	22.64		2
256QAM	12	0	22.30	21.51	21.60	0-3	3
	12	6	22.23	21.47	21.55		3
	12	13	22.22	21.45	21.55		3
	25	0	22.26	21.49	21.49	0-5	3
	1	0	20.45	19.54	19.45		5
	1	12	20.47	19.55	19.44		5
256QAM	1	24	20.44	19.52	19.46	0-5	5
	12	0	20.46	19.68	19.63		5
	12	6	20.44	19.66	19.60		5
	12	13	20.45	19.63	19.59	5	
	25	0	20.39	19.62	19.58	5	

Table H-22

LTE Band 66 (AWS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	25.21	24.41	24.52	0	0
	1	7	25.21	24.40	24.59		0
	1	14	25.19	24.40	24.55		0
	8	0	24.26	23.43	23.51	0-1	1
	8	4	24.24	23.41	23.44		1
	8	7	24.22	23.41	23.43		1
16QAM	15	0	24.28	23.41	23.49	0-1	1
	1	0	24.42	23.81	23.90		1
	1	7	24.39	23.79	23.93		1
	1	14	24.19	23.79	23.91	0-2	1
	8	0	23.30	22.54	22.62		2
	8	4	23.29	22.51	22.57		2
64QAM	8	7	23.26	22.52	22.57	0-2	2
	15	0	23.18	22.51	22.57		2
	1	0	23.13	22.57	22.39		2
	1	7	23.12	22.56	22.48	0-3	2
	1	14	23.11	22.55	22.41		2
	8	0	22.33	21.41	21.59		3
256QAM	8	4	22.28	21.37	21.52	0-3	3
	8	7	22.25	21.35	21.49		3
	15	0	22.36	21.45	21.43		3
	1	0	20.15	19.46	20.16	0-5	5
	1	7	20.15	19.48	20.16		5
	1	14	20.13	19.49	20.16		5
256QAM	8	0	20.30	19.62	19.71	0-5	5
	8	4	20.31	19.56	19.69		5
	8	7	20.30	19.59	19.65		5
	15	0	20.40	19.57	19.62	5	

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 14 of 131

Table H-23

LTE Band 66 (AWS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	25.11	24.40	24.43	0	0	
	1	2	25.18	24.38	24.39		0	
	1	5	25.22	24.39	24.44		0	
	3	0	25.28	24.40	24.45		0	
	3	2	25.30	24.40	24.45		0	
	3	3	25.32	24.40	24.43		0	
16QAM	6	0	24.26	23.39	23.53	0-1	1	
	1	0	24.40	23.77	23.69		1	
	1	2	24.38	23.76	23.65		1	
	1	5	24.18	23.77	23.71		1	
	3	0	24.35	23.34	23.62		1	
	3	2	24.37	23.33	23.66		1	
64QAM	3	3	24.40	23.33	23.68	0-2	1	
	6	0	23.20	22.41	22.65		2	
	1	0	23.10	22.50	22.96		0-2	2
	1	2	23.10	22.47	23.03			2
	1	5	23.07	22.55	23.00			2
	3	0	23.25	22.38	22.59			2
3	2	23.24	22.35	22.58	2			
3	3	23.29	22.38	22.58	2			
256QAM	6	0	22.28	21.40	21.41	0-3	3	
	1	0	20.14	19.49	19.73		0-5	5
	1	2	20.07	19.46	19.72			5
	1	5	20.13	19.46	19.71			5
	3	0	20.34	19.53	19.65			5
	3	2	20.32	19.52	19.60			5
256QAM	3	3	20.31	19.51	19.63	0-5		5
	6	0	20.31	19.61	19.59		5	

Table H-24

LTE Band 66 (AWS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.84	19.27	19.11	0	0	
	1	36	19.89	19.27	19.10		0	
	1	74	19.73	19.19	19.13		0-1	0
	36	0	19.91	19.18	19.19			0
	36	18	19.93	19.15	19.17			0
	36	37	19.88	19.12	19.16			0
75	0	19.89	19.16	19.16	0			
16QAM	1	0	20.07	19.55	19.76	0-1		0
	1	36	20.16	19.58	19.75		0	
	1	74	19.98	19.52	19.74		0	
	36	0	19.90	19.21	19.20		0-2	0
	36	18	19.91	19.15	19.18			0
	36	37	19.88	19.12	19.14			0
75	0	19.94	19.14	19.19	0			
64QAM	1	0	19.79	19.59	19.21	0-2		0
	1	36	19.84	19.58	19.19			0
	1	74	19.68	19.53	19.18		0	
	36	0	20.00	19.22	19.21		0-3	0
	36	18	20.01	19.17	19.18			0
	36	37	19.96	19.15	19.14			0
75	0	19.93	19.15	19.20	0			
256QAM	1	0	19.77	19.59	19.82	0-5		0
	1	36	19.75	19.58	19.81			0
	1	74	19.61	19.55	19.80		0	
	36	0	19.90	19.18	19.21		0	
	36	18	19.92	19.15	19.20		0	
	36	37	19.88	19.12	19.16		0	
256QAM	75	0	19.90	19.15	19.19	0		

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by:
DUT Type: Portable Handset		Technical Manager
		APPENDIX H: Page 15 of 131

Table H-25
LTE Band 66 (AWS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.82	19.15	19.10	0	0
	1	25	19.79	19.08	18.97		0
	1	49	19.81	19.09	19.10		0
	25	0	19.83	19.11	19.10	0-1	0
	25	12	19.85	19.08	19.05		0
	25	25	19.85	19.04	19.03		0
16QAM	50	0	19.84	19.09	19.04	0-1	0
	1	0	20.10	19.57	19.74		0
	1	25	20.03	19.49	19.61		0
	1	49	20.09	19.51	19.72	0-2	0
	25	0	19.87	19.19	19.15		0
	25	12	19.87	19.14	19.12		0
64QAM	25	25	19.88	19.12	19.10	0-2	0
	50	0	19.82	19.07	19.02		0
	1	0	19.77	19.34	19.14		0-2
	1	25	19.75	19.25	19.03	0	
	1	49	19.77	19.30	19.12	0	
	256QAM	25	0	19.94	19.15	19.08	0-3
25		12	19.92	19.11	19.09	0	
25		25	19.93	19.08	19.06	0	
50		0	19.85	19.10	19.08	0-5	0
1		0	19.67	19.07	19.83		0
1		25	19.64	18.98	19.69		0
256QAM	1	49	19.69	19.04	19.78	0-5	0
	25	0	19.87	19.19	19.15		0
	25	12	19.87	19.13	19.12		0
	25	25	19.88	19.11	19.07	0	
	50	0	19.82	19.07	19.08	0	

Table H-26
LTE Band 66 (AWS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.87	19.15	19.05	0	0
	1	12	19.89	19.13	19.04		0
	1	24	19.88	19.11	19.06		0
	12	0	19.86	19.12	19.09	0-1	0
	12	6	19.86	19.10	19.07		0
	12	13	19.88	19.08	19.08		0
16QAM	25	0	19.91	19.13	19.11	0-1	0
	1	0	20.25	19.22	19.36		0
	1	12	20.29	19.21	19.40		0
	1	24	20.24	19.18	19.42	0-2	0
	12	0	20.11	19.15	19.14		0
	12	6	20.09	19.12	19.12		0
64QAM	12	13	20.13	19.10	19.12	0-2	0
	25	0	19.89	19.14	19.16		0
	1	0	19.98	19.40	19.24		0-2
	1	12	20.02	19.42	19.29	0	
	1	24	20.01	19.40	19.32	0	
	256QAM	12	0	19.88	19.20	19.21	0-3
12		6	19.86	19.17	19.18	0	
12		13	19.88	19.15	19.19	0	
25		0	19.90	19.17	19.13	0-5	0
1		0	20.10	19.06	18.91		0
1		12	20.09	19.03	18.95		0
256QAM	1	24	20.13	19.03	18.92	0-5	0
	12	0	19.99	19.22	19.15		0
	12	6	19.98	19.19	19.13		0
	12	13	19.98	19.18	19.13	0	
	25	0	19.91	19.17	19.12	0	

Table H-27
LTE Band 66 (AWS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.79	19.09	19.02	0	0
	1	7	19.83	19.08	19.05		0
	1	14	19.81	19.05	19.03		0
	8	0	19.87	19.11	19.14	0-1	0
	8	4	19.86	19.08	19.09		0
	8	7	19.87	19.06	19.09		0
16QAM	15	0	19.89	19.05	19.10	0-1	0
	1	0	20.09	19.52	19.60		0
	1	7	20.09	19.51	19.63		0
	1	14	20.06	19.50	19.62	0-2	0
	8	0	19.95	19.20	19.24		0
	8	4	19.92	19.21	19.22		0
64QAM	8	7	19.92	19.17	19.22	0-2	0
	15	0	19.79	19.19	19.21		0
	1	0	19.74	19.29	19.04		0-2
	1	7	19.75	19.27	19.10	0	
	1	14	19.70	19.23	19.08	0	
	256QAM	8	0	19.97	19.07	19.19	0-3
8		4	19.93	19.05	19.17	0	
8		7	19.93	19.04	19.15	0	
15		0	20.02	19.14	19.08	0-5	0
1		0	19.69	18.98	19.66		0
1		7	19.68	19.00	19.66		0
256QAM	1	14	19.65	18.99	19.67	0-5	0
	8	0	19.87	19.13	19.21		0
	8	4	19.85	19.09	19.19		0
	8	7	19.84	19.11	19.17	0	
	15	0	19.98	19.09	19.12	0	

Table H-28
LTE Band 66 (AWS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.80	19.12	19.17	0	0	
	1	2	19.77	19.08	19.12		0	
	1	5	19.81	19.10	19.17		0	
	3	0	19.81	19.05	19.11	0-1	0	
	3	2	19.81	19.05	19.08		0	
	3	3	19.82	19.04	19.07		0	
16QAM	6	0	19.85	19.05	19.11	0-1	0	
	1	0	20.06	19.49	19.42		0	
	1	2	20.04	19.48	19.40		0-1	0
	1	5	20.06	19.52	19.45	0		
	3	0	19.97	19.07	19.26	0		
	64QAM	3	2	19.99	19.06	19.29	0-2	0
3		3	20.00	19.06	19.27	0		
6		0	19.81	19.09	19.28	0		
1		0	19.71	19.24	19.58	0-2	0	
1		2	19.77	19.22	19.56		0	
1		5	19.67	19.28	19.56		0	
256QAM	3	0	19.86	19.08	19.22	0-2	0	
	3	2	19.87	19.06	19.22		0	
	3	3	19.89	19.07	19.22		0	
	6	0	19.89	19.10	19.03	0-3	0	
	1	0	19.67	19.01	19.25		0-5	0
	1	2	19.62	19.00	19.25			0
256QAM	1	5	19.67	19.02	19.23	0-5		0
	3	0	19.87	19.09	19.17		0	
	3	2	19.86	19.08	19.14		0	
	3	3	19.86	19.07	19.13	0		
	6	0	19.86	19.15	19.16	0		

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 17 of 131

H.1.7 LTE Band 66 Antenna C

Table H-29
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	22.32	21.96	21.63	0	0	
	1	36	22.30	21.95	21.64		0	
	1	74	22.29	21.96	21.64		0	
	QPSK	36	0	22.29	21.95	21.64	0-1	0
		36	18	22.31	21.95	21.64		0
		36	37	22.30	21.95	21.63		0
		75	0	22.31	21.95	21.64		0
16QAM	1	0	22.33	21.95	21.64	0-1	0	
	1	36	22.32	21.96	21.64		0	
	1	74	22.32	21.96	21.65		0	
	16QAM	36	0	22.31	21.96	21.66	0-2	0
		36	18	22.32	21.96	21.64		0
		36	37	22.33	21.96	21.65		0
		75	0	22.34	21.96	21.65		0
64QAM	1	0	22.31	21.96	21.65	0-2	0	
	1	36	22.31	21.95	21.65		0	
	1	74	22.33	21.95	21.66		0	
	64QAM	36	0	22.32	21.96	21.65	0-3	0
		36	18	22.33	21.96	21.65		0
		36	37	22.31	21.96	21.66		0
		75	0	22.31	21.96	21.65		0
256QAM	1	0	20.47	20.02	19.77	0-5	2	
	1	36	20.41	20.03	19.73		2	
	1	74	20.15	19.81	19.75		2	
	36	0	20.38	19.79	19.70		2	
	36	18	20.31	19.83	19.72		2	
	36	37	20.24	19.69	19.69		2	
	75	0	20.34	19.74	19.70		2	

Table H-30
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)			
Conducted Power [dBm]								
QPSK	1	0	22.23	21.81	21.70	0	0	
	1	25	22.01	21.82	21.69		0	
	1	49	21.98	21.82	21.69		0	
	QPSK	25	0	22.23	21.82	21.69	0-1	0
		25	12	22.10	21.81	21.69		0
		25	25	22.06	21.81	21.68		0
		50	0	22.12	21.82	21.67		0
16QAM	1	0	22.41	21.81	21.68	0-1	0	
	1	25	22.17	21.82	21.68		0	
	1	49	22.13	21.82	21.68		0	
	16QAM	25	0	22.27	21.81	21.68	0-2	0
		25	12	22.12	21.81	21.68		0
		25	25	22.08	21.82	21.68		0
		50	0	22.12	21.82	21.69		0
64QAM	1	0	22.20	21.81	21.68	0-2	0	
	1	25	21.97	21.82	21.68		0	
	1	49	21.94	21.82	21.68		0	
	64QAM	25	0	22.31	21.82	21.68	0-3	0
		25	12	22.17	21.82	21.69		0
		25	25	22.11	21.82	21.69		0
		50	0	22.19	21.82	21.68		0
256QAM	1	0	20.46	19.50	19.75	0-5	2	
	1	25	20.27	19.51	19.64		2	
	1	49	20.25	19.34	19.73		2	
	25	0	20.37	19.76	19.73		2	
	25	12	20.27	19.73	19.69		2	
	25	25	20.23	19.66	19.67		2	
	50	0	20.27	19.65	19.64		2	

Table H-31
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 5 MHz Bandwidth

LTE Band 66 (AWS)							
5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	22.33	21.84	21.62	0	0
	1	12	22.29	21.84	21.62		0
	1	24	22.15	21.86	21.62		0
	12	0	22.24	21.84	21.62	0-1	0
	12	6	22.18	21.84	21.62		0
	12	13	22.14	21.84	21.62		0
16QAM	25	0	22.24	21.86	21.59	0-1	0
	1	0	22.48	21.83	21.61		0
	1	12	22.46	21.85	21.62		0
	1	24	22.41	21.84	21.63	0-2	0
	12	0	22.49	21.86	21.62		0
	12	6	22.43	21.84	21.61		0
64QAM	12	13	22.36	21.84	21.62	0-2	0
	25	0	22.21	21.84	21.61		0
	1	0	22.05	21.84	21.61		0-2
	1	12	21.98	21.85	21.62	0	
	1	24	21.86	21.84	21.63	0	
	256QAM	12	0	22.37	21.85	21.61	0-3
12		6	22.31	21.84	21.62	0	
12		13	22.24	21.85	21.62	0	
25		0	22.30	21.85	21.61	0-5	0
1		0	20.41	19.83	19.69		2
1		12	20.39	19.84	19.72		2
256QAM	1	24	20.48	19.73	19.73	0-5	2
	12	0	20.49	19.76	19.71		2
	12	6	20.42	19.76	19.69		2
	12	13	20.39	19.70	19.68	2	
	25	0	20.37	19.67	19.70	2	

Table H-32
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 3 MHz Bandwidth

LTE Band 66 (AWS)							
3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
Conducted Power [dBm]							
QPSK	1	0	22.15	21.75	21.52	0	0
	1	7	22.14	21.74	21.52		0
	1	14	22.06	21.74	21.53		0
	8	0	22.24	21.75	21.54	0-1	0
	8	4	22.16	21.74	21.54		0
	8	7	22.17	21.73	21.53		0
16QAM	15	0	22.18	21.74	21.55	0-1	0
	1	0	22.35	21.74	21.54		0
	1	7	22.30	21.74	21.54		0
	1	14	22.20	21.74	21.54	0-2	0
	8	0	22.34	21.73	21.53		0
	8	4	22.26	21.75	21.55		0
64QAM	8	7	22.27	21.74	21.53	0-2	0
	15	0	22.15	21.74	21.54		0
	1	0	22.06	21.73	21.54		0-2
	1	7	22.05	21.74	21.53	0	
	1	14	22.03	21.74	21.54	0-3	
	8	0	22.29	21.74	21.53		0
8	4	22.21	21.73	21.54	0		
256QAM	8	7	22.22	21.73	21.52	0-3	0
	15	0	22.33	21.74	21.53		0
	1	0	20.43	19.50	19.70		0-5
	1	7	20.38	19.53	19.68	2	
	1	14	20.32	19.37	19.71	2	
	256QAM	8	0	20.33	19.74	19.77	0-5
8		4	20.29	19.70	19.76	2	
8		7	20.23	19.68	19.74	2	
15		0	20.38	19.66	19.66	2	

Table H-33
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)			
Conducted Power [dBm]								
QPSK	1	0	22.29	21.59	21.62	0	0	
	1	2	22.22	21.58	21.61		0	
	1	5	22.24	21.58	21.63		0	
	3	0	22.20	21.57	21.63		0	
	3	2	22.16	21.58	21.63		0	
	3	3	22.18	21.58	21.62		0	
16QAM	6	0	22.24	21.59	21.62	0-1	0	
	1	0	22.39	21.60	21.63		0	
	1	2	22.32	21.58	21.62		0	
	1	5	22.37	21.57	21.62		0	
	3	0	22.36	21.59	21.62		0	
	3	2	22.38	21.59	21.62		0	
64QAM	3	3	22.39	21.59	21.62	0-2	0	
	6	0	22.35	21.57	21.62		0	
	1	0	22.47	21.58	21.62		0-2	0
	1	2	22.43	21.58	21.63			0
	1	5	22.50	21.58	21.62			0
	3	0	22.47	21.58	21.62			0
3	2	22.44	21.60	21.62	0			
3	3	22.44	21.57	21.63	0			
256QAM	6	0	22.15	21.60	21.62	0-3	0	
	1	0	20.35	19.73	19.39		0-5	2
	1	2	20.41	19.67	19.38			2
	1	5	20.36	19.74	19.36			2
	3	0	20.46	19.70	19.61			2
	3	2	20.41	19.67	19.61			2
256QAM	3	3	20.41	19.67	19.60	0-5		2
	6	0	20.41	19.57	19.73		2	

Table H-34
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.87	20.56	20.37	0	0		
	1	36	20.86	20.49	20.44		0		
	1	74	20.75	20.37	20.44		0		
	36	0	20.96	20.40	20.47		0		
	36	18	20.93	20.34	20.48		0		
	36	37	20.87	20.29	20.48		0		
16QAM	75	0	20.89	20.33	20.49	0-1	0		
	1	0	20.85	20.64	20.64		0-1	0	
	1	36	20.87	20.39	20.73			0	
	1	74	20.97	20.57	20.71			0	
	36	0	20.95	20.41	20.50			0-2	0
	36	18	20.90	20.41	20.55				0
36	37	20.90	20.31	20.53	0				
75	0	20.92	20.30	20.49	0				
64QAM	1	0	20.92	20.55	20.63	0-2	0		
	1	36	20.96	20.53	20.73		0-3		0
	1	74	20.84	20.42	20.69			0	
	36	0	21.00	20.37	20.46			0	
	36	18	20.96	20.36	20.50			0	
	36	37	20.93	20.28	20.48			0	
256QAM	75	0	20.95	20.36	20.50	0-5		0	
	1	0	19.62	19.80	19.82		0-5	0.5	
	1	36	19.65	19.74	19.89			0.5	
	1	74	19.59	19.66	19.88			0.5	
	36	0	19.83	19.90	19.96			0.5	
	36	18	19.80	19.85	20.00			0.5	
256QAM	36	37	19.74	19.79	19.99	0-5		0.5	
	75	0	19.78	19.84	19.78		0.5		

Table H-35
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.79	20.35	20.45	0	0
	1	25	20.83	20.31	20.43		0
	1	49	20.77	20.19	20.42		0
	25	0	20.89	20.34	20.48	0-1	0
	25	12	20.89	20.30	20.48		0
	25	25	20.85	20.25	20.44		0
16QAM	50	0	20.89	20.28	20.47	0-1	0
	1	0	20.83	20.59	20.67		0
	1	25	20.89	20.57	20.69		0
	1	49	20.81	20.48	20.66	0-2	0
	25	0	20.91	20.42	20.53		0
	25	12	20.90	20.39	20.53		0
64QAM	25	25	20.86	20.34	20.50	0-2	0
	50	0	20.84	20.24	20.43		0
	1	0	20.87	20.34	20.68		0-3
	1	25	20.92	20.31	20.65	0	
	1	49	20.85	20.18	20.68	0	
	25	0	21.00	20.42	20.53	0	
256QAM	25	12	20.99	20.39	20.53	0-5	0
	25	25	20.95	20.34	20.50		0
	50	0	20.91	20.28	20.48		0
	1	0	19.55	19.81	19.96	0-5	0.5
	1	25	19.55	19.77	19.93		0.5
	1	49	19.50	19.66	19.92		0.5
25	0	19.78	19.94	19.42	0.5		
25	12	19.80	19.89	19.59	0.5		
25	25	19.74	19.82	19.60	0.5		
50	0	19.75	19.80	19.59	0.5		

Table H-36
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.87	20.35	20.43	0	0
	1	12	20.91	20.37	20.43		0
	1	24	20.91	20.26	20.39		0
	12	0	20.87	20.32	20.46	0-1	0
	12	6	20.84	20.31	20.44		0
	12	13	20.87	20.25	20.43		0
16QAM	25	0	20.89	20.30	20.50	0-1	0
	1	0	20.86	20.73	20.61		0
	1	12	20.94	20.76	20.61		0
	1	24	20.93	20.67	20.60	0-2	0
	12	0	20.82	20.31	20.55		0
	12	6	20.81	20.28	20.51		0
64QAM	12	13	20.82	20.23	20.50	0-2	0
	25	0	20.92	20.33	20.46		0
	1	0	20.77	20.52	20.57		0-3
	1	12	20.81	20.55	20.56	0	
	1	24	20.81	20.44	20.55	0	
	12	0	20.92	20.44	20.46	0	
256QAM	12	6	20.90	20.39	20.44	0-3	0
	12	13	20.92	20.35	20.41		0
	25	0	20.93	20.30	20.46		0
	1	0	19.96	19.75	19.62	0-5	0.5
	1	12	19.99	19.77	19.63		0.5
	1	24	20.00	19.68	19.61		0.5
12	0	19.86	19.93	19.99	0.5		
12	6	19.85	19.92	19.96	0.5		
12	13	19.87	19.86	19.94	0.5		
25	0	19.78	19.87	19.98	0.5		

Table H-37
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.76	20.29	20.24	0	0
	1	7	20.82	20.26	20.27		0
	1	14	20.81	20.21	20.22		0
	8	0	20.85	20.29	20.30	0-1	0
	8	4	20.85	20.27	20.28		0
	8	7	20.82	20.22	20.30		0
16QAM	15	0	20.86	20.23	20.28	0-1	0
	1	0	20.99	20.55	20.81		0
	1	7	20.84	20.53	20.80		0
	1	14	20.81	20.47	20.80	0-2	0
	8	0	20.81	20.38	20.40		0
	8	4	20.99	20.36	20.39		0
64QAM	8	7	20.97	20.32	20.40	0-2	0
	15	0	20.88	20.32	20.37		0
	1	0	20.82	20.28	20.25		0-2
	1	7	20.83	20.29	20.30	0	
	1	14	20.84	20.21	20.26	0	
	256QAM	8	0	20.83	20.32	20.07	0-3
8		4	20.79	20.31	20.04	0	
8		7	20.79	20.26	20.05	0	
15		0	20.96	20.30	20.96	0-5	0
1		0	19.56	19.74	19.53		0.5
1		7	19.54	19.78	19.52		0.5
256QAM	1	14	19.54	19.68	19.50	0-5	0.5
	8	0	19.73	19.86	19.50		0.5
	8	4	19.73	19.83	19.64		0.5
	8	7	19.72	19.81	19.63	0-5	0.5
	15	0	19.81	19.78	19.70		0.5

Table H-38
LTE Band 66 (AWS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.87	20.28	20.44	0	0	
	1	2	20.82	20.27	20.38		0	
	1	5	20.90	20.30	20.40		0	
	3	0	20.81	20.30	20.38	0-1	0	
	3	2	20.81	20.29	20.38		0	
	3	3	20.80	20.28	20.39		0	
16QAM	6	0	20.83	20.28	20.40	0-1	0	
	1	0	20.83	20.47	20.69		0	
	1	2	20.79	20.49	20.64		0	
	64QAM	1	5	20.79	20.49	20.67	0-1	0
		3	0	20.77	20.31	20.41		0
		3	2	20.74	20.28	20.42		0
3		3	20.76	20.23	20.42	0-2	0	
6		0	20.95	20.32	20.48		0	
1		0	20.88	20.31	20.41		0-2	0
256QAM	1	2	20.91	20.34	20.36	0-2		0
	1	5	20.88	20.30	20.38			0
	3	0	20.90	20.45	20.43		0	
	3	2	20.90	20.46	20.45	0-3	0	
	3	3	20.89	20.46	20.46		0	
	6	0	20.85	20.53	20.47		0	
256QAM	1	0	19.80	19.63	19.86	0-5	0.5	
	1	2	19.80	19.57	19.83		0.5	
	1	5	19.78	19.62	19.85		0.5	
	3	0	19.79	19.81	19.97	0-5	0.5	
	3	2	19.73	19.80	19.93		0.5	
	3	3	19.75	19.80	19.95		0.5	
6	0	19.76	19.77	19.81	0.5			

H.1.8 LTE Band 25 Antenna B

Table H-39

LTE Band 25 (PCS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.33	24.45	24.14	0	0	
	1	36	24.21	24.42	24.05		0	
	1	74	24.33	24.35	24.12		0	
	QPSK	36	0	23.82	23.94	23.67	0-1	1
		36	18	23.76	23.93	23.62		1
		36	37	23.76	23.86	23.68		1
		75	0	23.78	23.91	23.68		1
1		0	23.61	23.86	23.55	1		
16QAM	1	36	23.59	23.73	23.41	0-1	1	
	1	74	23.52	23.70	23.59		1	
	36	0	22.77	22.94	22.64		2	
	16QAM	36	18	22.75	22.87	22.59	0-2	2
		36	37	22.75	22.84	22.63		2
		75	0	22.77	22.90	22.70		2
		1	0	22.48	22.70	22.34		2
64QAM	1	36	22.46	22.63	22.32	0-2	2	
	1	74	22.55	22.59	22.28		2	
	36	0	21.79	21.95	21.66		3	
	64QAM	36	18	21.72	21.89	21.62	0-3	3
		36	37	21.78	21.84	21.66		3
		75	0	21.77	21.91	21.67		3
		1	0	20.10	20.24	19.96		5
1		36	20.03	20.19	19.87	5		
256QAM	1	74	20.03	20.06	19.89	0-5	5	
	36	0	19.93	20.06	19.73		5	
	36	18	19.91	20.05	19.73		5	
	36	37	19.90	19.97	19.77		5	
	75	0	19.95	20.03	19.78		5	

Table H-40

LTE Band 25 (PCS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.22	24.42	24.07	0	0	
	1	25	24.18	24.35	23.99		0	
	1	49	24.22	24.23	24.13		0	
	QPSK	25	0	23.77	23.90	23.61	0-1	1
		25	12	23.73	23.88	23.61		1
		25	25	23.73	23.83	23.61		1
		50	0	23.76	23.86	23.60		1
1		0	23.66	23.81	23.27	1		
16QAM	1	25	23.59	23.74	23.36	0-1	1	
	1	49	23.45	23.59	23.40		1	
	25	0	22.75	22.89	22.62		2	
	16QAM	25	12	22.75	22.86	22.60	0-2	2
		25	25	22.75	22.84	22.60		2
		50	0	22.73	22.83	22.56		2
		1	0	22.46	22.57	22.15		2
64QAM	1	25	22.41	22.54	22.35	0-2	2	
	1	49	22.41	22.47	22.45		2	
	25	0	21.70	21.84	21.55		3	
	64QAM	25	12	21.69	21.83	21.57	0-3	3
		25	25	21.69	21.79	21.57		3
		50	0	21.72	21.82	21.58		3
		1	0	20.03	20.16	19.74		5
256QAM	1	25	20.02	20.10	19.88	0-5	5	
	1	49	19.99	20.04	19.85		5	
	25	0	19.86	20.04	19.67		5	
	25	12	19.88	20.00	19.76		5	
	25	25	19.87	19.93	19.74		5	
	50	0	19.87	19.98	19.68		5	

Table H-41

LTE Band 25 (PCS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.23	24.38	24.03	0	0
	1	12	24.32	24.40	24.06		0
	1	24	24.21	24.31	24.02		0
	12	0	23.79	23.92	23.66	0-1	1
	12	6	23.77	23.82	23.63		1
	12	13	23.76	23.87	23.59		1
16QAM	25	0	23.80	23.88	23.65	0-1	1
	1	0	23.61	23.67	23.42		1
	1	12	23.59	23.77	23.32		1
	1	24	23.52	23.58	23.29	0-2	1
	12	0	22.82	23.00	22.73		2
	12	6	22.81	22.87	22.64		2
64QAM	12	13	22.81	22.90	22.62	0-2	2
	25	0	22.77	22.90	22.62		2
	1	0	22.45	22.56	22.38		0-2
	1	12	22.47	22.58	22.36	2	
	1	24	22.42	22.50	22.32	2	
	256QAM	12	0	21.81	21.89	21.67	0-3
12		6	21.78	21.82	21.65	3	
12		13	21.76	21.86	21.62	3	
25		0	21.74	21.85	21.60	0-5	3
1		0	20.06	20.13	19.90		5
1		12	19.99	20.14	19.84		5
256QAM	1	24	20.00	20.03	19.78	0-5	5
	12	0	19.90	20.03	19.78		5
	12	6	19.91	19.96	19.80		5
	12	13	19.91	19.98	19.68	5	
	25	0	19.89	20.02	19.77	5	

Table H-42

LTE Band 25 (PCS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.63	24.82	23.96	0	0
	1	7	24.17	24.31	24.08		0
	1	14	24.21	24.23	24.00		0
	8	0	23.71	23.88	23.58	0-1	1
	8	4	23.70	23.76	23.54		1
	8	7	23.69	23.79	23.54		1
16QAM	15	0	23.71	23.80	23.59	0-1	1
	1	0	23.58	23.64	23.23		1
	1	7	23.54	23.64	23.15		1
	1	14	23.55	23.52	23.45	0-2	1
	8	0	22.80	22.95	22.70		2
	8	4	22.75	22.84	22.69		2
64QAM	8	7	22.80	22.85	22.69	0-2	2
	15	0	22.74	22.82	22.67		2
	1	0	22.37	22.52	22.28		0-2
	1	7	22.47	22.53	22.29	2	
	1	14	22.40	22.48	22.28	2	
	256QAM	8	0	21.73	21.85	21.67	0-3
8		4	21.69	21.78	21.60	3	
8		7	21.71	21.77	21.59	3	
15		0	21.75	21.81	21.59	0-5	3
1		0	19.95	20.09	19.86		5
1		7	19.98	19.99	19.79		5
256QAM	1	14	20.02	19.94	19.77	0-5	5
	8	0	19.92	20.01	19.77		5
	8	4	19.85	19.95	19.69		5
	8	7	19.91	19.94	19.71	5	
	15	0	19.89	19.99	19.73	5	

Table H-43

LTE Band 25 (PCS) Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	24.63	24.73	24.40	0	0	
	1	2	24.56	24.24	23.90		0	
	1	5	24.60	24.22	23.97		0	
	3	0	24.65	24.73	24.45		0	
	3	2	24.69	24.67	24.47		0	
	3	3	24.59	24.73	24.47		0	
16QAM	6	0	23.67	23.76	23.46	0-1	1	
	1	0	23.50	23.48	23.20		1	
	1	2	23.42	23.58	23.21		1	
	1	5	23.42	23.60	23.16		1	
	3	0	23.71	23.99	23.58		1	
	3	2	23.74	23.83	23.62		1	
64QAM	3	3	23.75	23.85	23.72	0-2	1	
	6	0	22.69	22.82	22.63		2	
	1	0	22.30	22.40	22.13		0-2	2
	1	2	22.37	22.49	22.18			2
	1	5	22.21	22.41	22.15			2
	3	0	22.66	22.78	22.57			2
3	2	22.66	22.72	22.56	2			
3	3	22.67	22.75	22.54	2			
256QAM	6	0	21.66	21.75	21.56	0-3	3	
	1	0	19.94	20.07	19.72		0-5	5
	1	2	19.91	20.03	19.77			5
	1	5	19.84	20.07	19.71			5
	3	0	19.90	20.01	19.67			5
	3	2	19.90	20.01	19.72			5
256QAM	3	3	19.92	19.98	19.67	0-5		5
	6	0	19.80	19.94	19.66		5	

Table H-44

LTE Band 25 (PCS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.02	20.21	19.85	0	0			
	1	36	20.00	20.17	19.78		0			
	1	74	20.01	20.02	19.81		0			
	36	0	20.01	20.20	19.80		0			
	36	18	20.03	20.13	19.79		0-1	0		
	36	37	20.02	20.04	19.86			0		
16QAM	75	0	20.00	20.13	19.84	0-1	0			
	1	0	20.33	20.48	20.21		0-1	0		
	1	36	20.41	20.49	20.20			0		
	1	74	20.28	20.26	20.09			0		
	36	0	19.99	20.16	19.80			0-2	0	
	36	18	19.98	20.13	19.78				0	
64QAM	36	37	19.97	20.04	19.87	0-2		0		
	75	0	20.01	20.10	19.84		0-2	0		
	1	0	20.18	20.40	20.09			0-2	0	
	1	36	20.17	20.39	20.02				0	
	1	74	20.26	20.19	20.06				0	
	36	0	20.03	20.18	19.82				0-3	0
36	18	20.01	20.16	19.82	0					
256QAM	36	37	20.03	20.06	19.87	0-3	0			
	75	0	20.02	20.10	19.83		0-3	0		
	1	0	20.15	20.33	20.01			0-5	0	
	1	36	20.10	20.34	19.94				0-5	0
	1	74	20.06	20.17	20.02					0
	36	0	19.98	20.18	19.80					0
36	18	20.01	20.16	19.80	0-5	0				
36	37	20.00	20.05	19.85		0				
256QAM	75	0	20.04	20.15	19.85	0-5	0			

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 25 of 131

Table H-45
LTE Band 25 (PCS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.96	20.14	19.63	0	0
	1	25	19.93	20.07	19.78		0
	1	49	19.98	19.95	19.73		0
	25	0	19.96	20.13	19.73	0-1	0
	25	12	19.97	20.08	19.81		0
	25	25	19.98	20.04	19.79		0
16QAM	50	0	19.98	20.08	19.74	0-1	0
	1	0	20.29	20.49	19.95		0
	1	25	20.20	20.41	20.25		0
	1	49	20.26	20.35	20.10	0-2	0
	25	0	19.96	20.13	19.70		0
	25	12	19.98	20.10	19.84		0
64QAM	25	25	19.98	20.03	19.80	0-2	0
	50	0	19.96	20.06	19.77		0
	1	0	20.19	20.34	19.85		0-2
	1	25	20.16	20.24	20.04	0	
	1	49	20.19	20.11	19.94	0	
	256QAM	25	0	19.98	20.10	19.68	0-3
25		12	19.97	20.08	19.82	0	
25		25	19.96	20.00	19.76	0	
50		0	19.96	20.06	19.81	0-5	0
1		0	20.12	20.26	19.74		0
1		25	20.05	20.18	19.96		0
256QAM	1	49	20.08	20.08	19.94	0-5	0
	25	0	19.95	20.10	19.71		0
	25	12	19.97	20.06	19.81		0
	25	25	19.95	20.01	19.81	0	
	50	0	19.95	20.03	19.77	0	

Table H-46
LTE Band 25 (PCS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.95	20.13	19.85	0	0
	1	12	19.97	20.12	19.77		0
	1	24	19.99	20.00	19.75		0
	12	0	19.98	20.14	19.85	0-1	0
	12	6	20.00	20.09	19.81		0
	12	13	19.98	20.07	19.75		0
16QAM	25	0	20.01	20.13	19.85	0-1	0
	1	0	20.30	20.37	20.13		0
	1	12	20.20	20.49	20.23		0
	1	24	20.33	20.47	20.13	0-2	0
	12	0	20.02	20.21	19.92		0
	12	6	20.08	20.17	19.92		0
64QAM	12	13	20.06	20.13	19.83	0-2	0
	25	0	20.02	20.11	19.86		0
	1	0	20.21	20.25	20.05		0-2
	1	12	20.11	20.32	20.03	0	
	1	24	20.10	20.23	19.97	0	
	256QAM	12	0	20.01	20.14	19.89	0-3
12		6	20.01	20.10	19.91	0	
12		13	20.02	20.09	19.80	0	
25		0	19.97	20.13	19.86	0-5	0
1		0	20.16	20.26	20.00		0
1		12	20.14	20.25	19.91		0
256QAM	1	24	20.09	20.13	19.86	0-5	0
	12	0	19.96	20.15	19.91		0
	12	6	19.97	20.08	19.84		0
	12	13	19.96	20.03	19.73	0	
	25	0	20.00	20.13	19.85	0	

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 26 of 131

Table H-47
LTE Band 25 (PCS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.94	20.06	19.74	0	0	
	1	7	19.92	20.04	19.71		0	
	1	14	19.88	19.98	19.66		0	
	QPSK	8	0	19.95	20.10	19.79	0-1	0
		8	4	19.95	20.03	19.78		0
		8	7	19.94	20.00	19.75		0
		15	0	19.95	20.05	19.77		0
1		0	20.25	20.37	20.13	0		
16QAM	1	7	20.15	20.42	20.14	0-1	0	
	1	14	20.32	20.31	20.06		0	
	8	0	20.06	20.19	19.90		0	
	16QAM	8	4	20.05	20.12	19.87	0-2	0
		8	7	20.05	20.10	19.85		0
		15	0	19.97	20.09	19.81		0
		1	0	20.15	20.28	20.00		0
64QAM	1	7	20.14	20.30	19.95	0-2	0	
	1	14	20.11	20.24	19.94		0	
	8	0	20.01	20.13	19.83		0	
	64QAM	8	4	20.00	20.04	19.80	0-3	0
		8	7	19.98	20.02	19.76		0
		15	0	19.98	20.09	19.85		0
		1	0	20.05	20.23	19.88		0
256QAM	1	7	20.07	20.18	19.90	0-5	0	
	1	14	20.06	20.06	19.82		0	
	8	0	19.98	20.15	19.86		0	
	8	4	19.97	20.05	19.77		0	
	8	7	19.96	20.04	19.78		0	
	15	0	19.95	20.07	19.82		0	

Table H-48
LTE Band 25 (PCS) Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.94	20.08	19.73	0	0	
	1	2	19.92	20.04	19.74		0	
	1	5	19.90	20.05	19.73		0	
	QPSK	3	0	19.90	20.00	19.70	0-1	0
		3	2	19.87	19.99	19.72		0
		3	3	19.92	19.98	19.70		0
		6	0	19.94	20.04	19.71		0
16QAM	1	0	20.33	20.35	20.00	0-1	0	
	1	2	20.33	20.31	20.11		0	
	1	5	20.25	20.28	20.05		0	
	3	0	20.09	20.15	19.80		0	
	3	2	20.06	20.16	19.83		0	
	3	3	19.99	20.16	19.81		0	
64QAM	6	0	20.02	20.09	19.84	0-2	0	
	1	0	20.17	20.25	19.96		0	
	1	2	20.14	20.23	19.90		0	
	1	5	20.24	20.17	19.79		0	
	3	0	19.98	20.10	19.77		0	
	3	2	20.00	20.04	19.72		0	
256QAM	3	3	19.98	20.10	19.82	0-3	0	
	6	0	19.96	20.12	19.74		0	
	1	0	20.10	20.17	19.82		0	
	1	2	20.05	20.16	19.86		0	
	1	5	20.06	20.17	19.89		0	
	3	0	20.04	20.18	19.84		0	
256QAM	3	2	20.03	20.11	19.80	0-5	0	
	3	3	20.06	20.13	19.83		0	
	6	0	19.96	20.09	19.77		0	

H.1.9 LTE Band 25 Antenna C

Table H-49
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.60	22.05	21.76	0	0	
	1	36	21.66	22.04	21.76		0	
	1	74	21.68	22.03	21.75		0	
	QPSK	36	0	21.69	22.04	21.76	0-1	0
		36	18	21.69	22.04	21.75		0
		36	37	21.72	22.03	21.75		0
		75	0	21.69	22.02	21.75		0
16QAM	1	0	21.73	22.03	21.75	0-1	0	
	1	36	21.82	22.03	21.75		0	
	1	74	21.86	22.03	21.75		0	
	16QAM	36	0	21.66	22.03	21.75	0-2	0
		36	18	21.67	22.02	21.74		0
		36	37	21.68	22.03	21.75		0
		75	0	21.72	22.04	21.74		0
64QAM	1	0	21.54	22.05	21.74	0-2	0	
	1	36	21.65	22.05	21.74		0	
	1	74	21.66	22.04	21.75		0	
	64QAM	36	0	21.78	22.04	21.75	0-3	0
		36	18	21.78	22.04	21.75		0
		36	37	21.81	22.04	21.77		0
		75	0	21.75	22.04	21.76		0
256QAM	1	0	19.69	19.94	20.03	0-5	2	
	1	36	19.78	20.05	20.18		2	
	1	74	19.78	19.86	20.26		2	
	36	0	19.67	19.81	19.59		2	
	36	18	19.64	19.78	19.63		2	
	36	37	19.68	19.75	19.68		2	
	75	0	19.71	19.79	19.68		2	

Table H-50
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.57	21.98	21.76	0	0	
	1	25	21.52	21.98	21.75		0	
	1	49	21.58	21.98	21.74		0	
	QPSK	25	0	21.63	21.98	21.74	0-1	0
		25	12	21.58	21.98	21.75		0
		25	25	21.61	21.99	21.75		0
		50	0	21.61	21.97	21.75		0
16QAM	1	0	21.74	21.98	21.75	0-1	0	
	1	25	21.67	21.98	21.74		0	
	1	49	21.74	21.99	21.75		0	
	16QAM	25	0	21.65	21.99	21.75	0-2	0
		25	12	21.62	21.99	21.75		0
		25	25	21.63	21.98	21.76		0
		50	0	21.60	22.00	21.74		0
64QAM	1	0	21.54	21.98	21.75	0-2	0	
	1	25	21.67	21.99	21.76		0	
	1	49	21.69	21.98	21.77		0	
	64QAM	25	0	21.68	21.99	21.77	0-3	0
		25	12	21.65	21.99	21.76		0
		25	25	21.68	21.99	21.76		0
		50	0	21.66	21.99	21.77		0
256QAM	1	0	19.67	19.51	20.07	0-5	2	
	1	25	19.61	19.41	20.13		2	
	1	49	19.67	19.46	20.24		2	
	25	0	19.64	19.77	19.61		2	
	25	12	19.57	19.68	19.56		2	
	25	25	19.60	19.68	19.67		2	
	50	0	19.60	19.67	19.58		2	

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 28 of 131

Table H-51
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.70	22.00	21.80	0	0
	1	12	21.78	21.99	21.79		0
	1	24	21.67	22.00	21.80		0
	12	0	21.63	22.00	21.79	0-1	0
	12	6	21.60	22.00	21.79		0
	12	13	21.61	22.00	21.80		0
16QAM	25	0	21.65	22.00	21.79	0-1	0
	1	0	21.81	22.01	21.80		0
	1	12	21.83	22.01	21.80		0
	1	24	21.88	22.02	21.80	0-2	0
	12	0	21.86	22.01	21.80		0
	12	6	21.84	22.01	21.81		0
64QAM	12	13	21.84	22.00	21.79	0-2	0
	25	0	21.64	22.00	21.81		0
	1	0	21.71	22.02	21.81		0
	1	12	21.75	22.00	21.80	0-2	0
	1	24	21.73	22.00	21.80		0
	12	0	21.74	22.00	21.80		0
256QAM	12	6	21.71	22.01	21.82	0-3	0
	12	13	21.71	22.01	21.81		0
	25	0	21.70	22.00	21.81		0
	1	0	19.79	19.82	19.69	0-5	2
	1	12	19.84	19.86	19.76		2
	1	24	19.79	19.79	19.74		2
12	0	19.70	19.75	19.59	2		
12	6	19.67	19.70	19.58	2		
12	13	19.65	19.70	19.61	2		
25	0	19.62	19.66	19.65	2		

Table H-52
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.49	21.91	21.99	0	0
	1	7	21.55	21.91	21.99		0
	1	14	21.50	21.91	21.99		0
	8	0	21.56	21.92	22.00	0-1	0
	8	4	21.55	21.92	22.00		0
	8	7	21.53	21.92	21.99		0
16QAM	15	0	21.57	21.91	22.00	0-1	0
	1	0	21.70	21.92	22.00		0
	1	7	21.69	21.92	21.99		0
	1	14	21.63	21.93	21.99	0-2	0
	8	0	21.65	21.92	21.99		0
	8	4	21.63	21.93	21.99		0
64QAM	8	7	21.64	21.93	21.98	0-2	0
	15	0	21.52	21.92	21.99		0
	1	0	21.68	21.92	21.99		0
	1	7	21.64	21.92	21.99	0-2	0
	1	14	21.66	21.92	21.99		0
	8	0	21.63	21.93	22.00		0
256QAM	8	4	21.60	21.92	21.99	0-3	0
	8	7	21.59	21.92	22.00		0
	15	0	21.71	21.92	22.00		0
	1	0	19.63	19.36	20.12	0-5	2
	1	7	19.64	19.41	20.18		2
	1	14	19.57	19.39	20.12		2
8	0	19.51	19.70	19.67	2		
8	4	19.49	19.67	19.65	2		
8	7	19.48	19.67	19.68	2		
15	0	19.59	19.64	19.55	2		

Table H-53
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.50	21.83	21.99	0	0	
	1	2	21.46	21.83	21.98		0	
	1	5	21.50	21.82	22.00		0	
	3	0	21.57	21.84	21.99		0	
	3	2	21.57	21.84	22.00		0	
	3	3	21.59	21.84	22.01		0	
16QAM	6	0	21.53	21.83	22.00	0-1	0	
	1	0	21.63	21.84	22.01		0	
	1	2	21.60	21.83	22.02		0	
	1	5	21.63	21.85	22.00		0	
	3	0	21.67	21.84	22.00		0	
	3	2	21.66	21.84	22.00		0	
64QAM	3	3	21.70	21.83	22.02	0-2	0	
	6	0	21.57	21.84	22.01		0	
	1	0	21.73	21.83	22.00		0-2	0
	1	2	21.76	21.84	22.00			0
	1	5	21.75	21.84	21.97			0
	3	0	21.72	21.84	21.98			0
3	2	21.70	21.83	21.98	0			
3	3	21.74	21.84	21.99	0			
256QAM	6	0	21.55	21.83	22.02	0-3	0	
	1	0	19.59	19.38	19.62		0-5	2
	1	2	19.50	19.37	19.69			2
	1	5	19.58	19.35	19.64			2
	3	0	19.60	19.57	19.67			2
	3	2	19.55	19.53	19.59			2
256QAM	3	3	19.55	19.56	19.65	0-5		2
	6	0	19.47	19.68	19.66		2	

Table H-54
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.48	20.61	20.25	0	0		
	1	36	20.42	20.64	20.26		0		
	1	74	20.56	20.52	20.40		0		
	36	0	20.52	20.52	20.32		0-1	0	
	36	18	20.48	20.51	20.30			0	
	36	37	20.51	20.49	20.39			0	
16QAM	75	0	20.50	20.50	20.35	0-1	0		
	1	0	20.68	20.51	20.49		0-1	0	
	1	36	20.64	20.54	20.51			0	
	1	74	20.75	20.44	20.63			0	
	36	0	20.52	20.54	20.37			0-2	0
	36	18	20.48	20.50	20.39				0
36	37	20.53	20.51	20.44	0				
64QAM	75	0	20.54	20.46	20.33	0-2	0		
	1	0	20.52	20.64	20.50		0-2	0	
	1	36	20.49	20.66	20.49			0	
	1	74	20.61	20.50	20.68			0	
	36	0	20.56	20.51	20.28			0-3	0
	36	18	20.51	20.47	20.28				0
36	37	20.57	20.48	20.36	0				
256QAM	75	0	20.54	20.51	20.34	0-3	0		
	1	0	19.44	19.97	19.99		0-5	0.5	
	1	36	19.38	19.98	19.94			0.5	
	1	74	19.49	19.89	19.89			0.5	
	36	0	19.60	19.62	19.41			0.5	
	36	18	19.54	19.58	19.41			0.5	
256QAM	36	37	19.59	19.57	19.47	0-5		0.5	
	75	0	19.58	19.62	19.48		0.5		

Table H-55
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.43	20.39	20.13	0	0	
	1	25	20.37	20.44	20.21		0	
	1	49	20.41	20.43	20.31		0	
	25	0	20.47	20.44	20.26	0-1	0	
	25	12	20.45	20.43	20.26		0	
	25	25	20.40	20.42	20.35		0	
16QAM	50	0	20.42	20.42	20.30	0-1	0	
	1	0	20.66	20.67	20.38		0-1	0
	1	25	20.60	20.74	20.44			0
	1	49	20.62	20.71	20.54	0		
	25	0	20.51	20.52	20.33	0-2	0	
	25	12	20.44	20.48	20.30		0	
25	25	20.42	20.47	20.40	0			
64QAM	50	0	20.38	20.37	20.25	0-2	0	
	1	0	20.48	20.39	20.36		0-2	0
	1	25	20.41	20.44	20.51			0
	1	49	20.47	20.42	20.57	0		
	25	0	20.58	20.52	20.33	0-3	0	
	25	12	20.52	20.49	20.30		0	
25	25	20.50	20.48	20.39	0			
256QAM	50	0	20.44	20.42	20.30	0-3	0	
	1	0	19.38	19.45	19.84		0-5	0.5
	1	25	19.31	19.49	19.96			0.5
	1	49	19.32	19.47	20.00	0.5		
	25	0	19.58	19.61	19.39	0.5		
	25	12	19.52	19.59	19.38	0.5		
25	25	19.51	19.57	19.47	0.5			
50	0	19.49	19.51	19.42	0.5			

Table H-56
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.53	20.42	20.20	0	0	
	1	12	20.53	20.46	20.24		0	
	1	24	20.46	20.45	20.23		0	
	12	0	20.46	20.44	20.26	0-1	0	
	12	6	20.42	20.42	20.27		0	
	12	13	20.40	20.41	20.30		0	
16QAM	25	0	20.49	20.47	20.32	0-1	0	
	1	0	20.50	20.84	20.39		0-1	0
	1	12	20.48	20.88	20.45			0
	1	24	20.47	20.87	20.48	0		
	12	0	20.61	20.38	20.36	0-2	0	
	12	6	20.54	20.39	20.38		0	
12	13	20.55	20.36	20.40	0			
64QAM	25	0	20.50	20.45	20.29	0-2	0	
	1	0	20.42	20.60	20.36		0-2	0
	1	12	20.41	20.55	20.42			0
	1	24	20.56	20.55	20.41	0		
	12	0	20.52	20.53	20.27	0-3	0	
	12	6	20.45	20.55	20.27		0	
12	13	20.43	20.52	20.29	0			
256QAM	25	0	20.52	20.46	20.28	0-3	0	
	1	0	19.75	19.45	19.32		0-5	0.5
	1	12	19.74	19.51	19.35			0.5
	1	24	19.73	19.48	19.34	0.5		
	12	0	19.64	19.65	19.37	0.5		
	12	6	19.59	19.65	19.38	0.5		
12	13	19.57	19.63	19.38	0.5			
25	0	19.61	19.62	19.41	0.5			

Table H-57
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.39	20.36	20.19	0	0
	1	7	20.38	20.41	20.21		0
	1	14	20.36	20.40	20.23		0
	8	0	20.42	20.42	20.28	0-1	0
	8	4	20.38	20.42	20.28		0
	8	7	20.40	20.40	20.31		0
	15	0	20.40	20.41	20.27		0
16QAM	1	0	20.62	20.63	20.49	0-1	0
	1	7	20.59	20.70	20.46		0
	1	14	20.57	20.68	20.47		0
	8	0	20.60	20.48	20.42	0-2	0
	8	4	20.57	20.49	20.40		0
	8	7	20.59	20.48	20.42		0
	15	0	20.50	20.49	20.34		0
64QAM	1	0	20.46	20.35	20.49	0-2	0
	1	7	20.44	20.39	20.52		0
	1	14	20.45	20.41	20.49		0
	8	0	20.43	20.44	20.38	0-3	0
	8	4	20.40	20.43	20.38		0
	8	7	20.40	20.43	20.40		0
	15	0	20.58	20.46	20.24		0
256QAM	1	0	19.38	19.41	19.92	0-5	0.5
	1	7	19.35	19.48	19.91		0.5
	1	14	19.32	19.47	19.88		0.5
	8	0	19.49	19.56	19.43		0.5
	8	4	19.49	19.55	19.46		0.5
	8	7	19.48	19.55	19.45		0.5
	15	0	19.58	19.52	19.39		0.5

Table H-58
LTE Band 25 (PCS) Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.48	20.38	20.26	0	0
	1	2	20.44	20.38	20.25		0
	1	5	20.46	20.41	20.25		0
	3	0	20.41	20.37	20.26	0-1	0
	3	2	20.40	20.39	20.27		0
	3	3	20.36	20.39	20.26		0
	6	0	20.40	20.38	20.26		0
16QAM	1	0	20.38	20.57	20.55	0-1	0
	1	2	20.40	20.56	20.50		0
	1	5	20.58	20.62	20.51		0
	3	0	20.36	20.41	20.24	0-2	0
	3	2	20.40	20.39	20.24		0
	3	3	20.36	20.39	20.23		0
	6	0	20.53	20.42	20.37		0
64QAM	1	0	20.71	20.43	20.28	0-2	0
	1	2	20.72	20.45	20.24		0
	1	5	20.66	20.44	20.26		0
	3	0	20.48	20.55	20.31	0-3	0
	3	2	20.51	20.55	20.29		0
	3	3	20.48	20.56	20.30		0
	6	0	20.43	20.63	20.34		0
256QAM	1	0	19.98	19.73	19.71	0-5	0.5
	1	2	19.88	19.68	19.68		0.5
	1	5	19.96	19.74	19.70		0.5
	3	0	19.98	19.93	19.78		0.5
	3	2	19.95	19.92	19.77		0.5
	3	3	19.91	19.92	19.77		0.5
	6	0	19.93	19.91	19.85		0.5

H.1.10 LTE Band 30 Antenna B

Table H-59
LTE Band 30 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	22.42	0	0
	1	12	22.53		0
	1	24	22.44		0
	12	0	21.51	0-1	1
	12	6	21.49		1
	12	13	21.47		1
	25	0	21.52		1
16QAM	1	0	21.71	0-1	1
	1	12	21.92		1
	1	24	21.83		1
	12	0	20.61	0-2	2
	12	6	20.58		2
	12	13	20.53		2
	25	0	20.54		2
64QAM	1	0	20.67	0-2	2
	1	12	20.76		2
	1	24	20.66		2
	12	0	19.74	0-3	3
	12	6	19.69		3
	12	13	19.66		3
	25	0	19.68		3
256QAM	1	0	17.83	0-5	5
	1	12	17.71		5
	1	24	17.73		5
	12	0	17.65		5
	12	6	17.64		5
	12	13	17.61		5
	25	0	17.65		5

Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 33 of 131

Table H-60
LTE Band 30 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	18.77	0	0
	1	12	18.78		0
	1	24	18.75		0
	12	0	18.79	0-1	0
	12	6	18.76		0
	12	13	18.74		0
	25	0	18.78		0
16QAM	1	0	19.05	0-1	0
	1	12	19.17		0
	1	24	19.09		0
	12	0	18.88	0-2	0
	12	6	18.86		0
	12	13	18.81		0
	25	0	18.82		0
64QAM	1	0	19.04	0-2	0
	1	12	18.94		0
	1	24	19.00		0
	12	0	18.86	0-3	0
	12	6	18.83		0
	12	13	18.82		0
	25	0	18.81		0
256QAM	1	0	17.97	0-5	1
	1	12	17.97		1
	1	24	17.88		1
	12	0	17.81		1
	12	6	17.84		1
	12	13	17.80		1
	25	0	17.73		1

Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 34 of 131

H.1.11 LTE Band 7 Antenna B

Table H-61
LTE Band 7 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	23.16	22.95	22.83	0	0
	1	36	23.14	23.02	22.86		0
	1	74	22.96	22.95	22.90		0
	36	0	22.20	21.90	21.87	0-1	1
	36	18	22.18	21.85	21.86		1
	36	37	22.15	21.84	21.86		1
	75	0	22.16	21.86	21.85		1
16QAM	1	0	21.92	22.17	21.89	0-1	1
	1	36	21.98	22.24	21.91		1
	1	74	21.76	22.11	21.91		1
	36	0	21.16	20.90	20.85	0-2	2
	36	18	21.12	20.84	20.85		2
	36	37	21.11	20.85	20.82		2
	75	0	21.17	20.88	20.87		2
64QAM	1	0	21.08	21.27	20.86	0-2	2
	1	36	21.01	21.33	20.84		2
	1	74	20.79	21.29	20.86		2
	36	0	20.26	19.90	19.83	0-3	3
	36	18	20.20	19.85	19.81		3
	36	37	20.20	19.86	19.81		3
	75	0	20.15	19.83	19.84		3
256QAM	1	0	18.00	18.43	18.58	0-5	5
	1	36	17.93	18.41	18.49		5
	1	74	17.92	18.41	18.36		5
	36	0	18.10	17.97	17.88	0-5	5
	36	18	18.08	17.96	17.88		5
	36	37	18.07	17.95	17.79		5
	75	0	18.08	17.98	17.87		5

Table H-62
LTE Band 7 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	23.20	22.82	22.81	0	0
	1	25	23.12	22.87	22.84		0
	1	49	22.62	22.58	22.92		0
	25	0	22.22	21.88	21.89	0-1	1
	25	12	22.19	21.83	21.84		1
	25	25	22.17	21.83	21.81		1
	50	0	22.20	21.85	21.86		1
16QAM	1	0	21.94	22.22	22.17	0-1	1
	1	25	22.18	22.26	22.06		1
	1	49	21.92	22.26	22.02		1
	25	0	21.23	20.95	20.92	0-2	2
	25	12	21.19	20.93	20.88		2
	25	25	21.16	20.93	20.83		2
	50	0	21.16	20.84	20.83		2
64QAM	1	0	21.14	21.01	20.80	0-2	2
	1	25	21.06	21.04	20.78		2
	1	49	21.03	21.02	20.83		2
	25	0	20.27	19.90	19.85	0-3	3
	25	12	20.23	19.84	19.80		3
	25	25	20.19	19.85	19.79		3
	50	0	20.18	19.82	19.83		3
256QAM	1	0	17.99	17.93	18.50	0-5	5
	1	25	17.89	17.92	18.44		5
	1	49	17.89	17.93	18.35		5
	25	0	18.13	18.06	17.91	0-5	5
	25	12	18.11	18.05	17.87		5
	25	25	18.10	18.01	17.77		5
	50	0	18.10	17.96	17.83		5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 35 of 131

Table H-63
LTE Band 7 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (head) – 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	23.02	22.86	22.75	0	0
	1	12	22.76	22.96	22.79		0
	1	24	22.70	22.89	22.79		0
	12	0	22.22	21.84	21.85	0-1	1
	12	6	22.19	21.86	21.81		1
	12	13	22.15	21.84	21.81		1
16QAM	25	0	22.22	21.90	21.89	0-1	1
	1	0	22.05	21.94	22.15		1
	1	12	22.02	21.99	22.21		1
	1	24	21.97	21.96	22.20	0-2	1
	12	0	21.44	20.87	20.90		2
	12	6	21.38	20.85	20.87		2
64QAM	12	13	21.37	20.84	20.82	0-2	2
	25	0	21.18	20.90	20.89		2
	1	0	21.33	21.10	20.95		0-2
	1	12	21.32	21.18	21.02	2	
	1	24	21.26	21.12	21.00	2	
	256QAM	12	0	20.18	19.90	19.89	0-3
12		6	20.14	19.91	19.87	3	
12		13	20.13	19.88	19.85	3	
25		0	20.19	19.89	19.81	0-5	3
1		0	18.40	17.93	18.05		5
1		12	18.35	17.94	17.99		5
256QAM	1	24	18.29	17.92	17.95	0-5	5
	12	0	18.21	18.10	17.83		5
	12	6	18.22	18.07	17.78		5
	12	13	18.17	18.06	17.73	5	
	25	0	18.16	18.05	17.79	5	

Table H-64
LTE Band 7 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.69	19.30	19.07	0	0
	1	36	19.62	19.27	19.13		0
	1	74	19.50	19.20	19.10		0
	36	0	19.65	19.28	19.17	0-1	0
	36	18	19.62	19.16	19.09		0
	36	37	19.56	19.16	19.19		0
16QAM	75	0	19.60	19.11	19.14	0-1	0
	1	0	19.94	19.59	19.52		0
	1	36	19.99	19.60	19.41		0
	1	74	19.92	19.58	19.56	0-2	0
	36	0	19.65	19.23	19.14		0
	36	18	19.59	19.19	19.09		0
64QAM	36	37	19.57	19.16	19.09	0-2	0
	75	0	19.61	19.25	19.13		0
	1	0	19.90	19.47	19.39		0-2
	1	36	19.80	19.51	19.34	0	
	1	74	19.71	19.39	19.38	0	
	256QAM	36	0	19.65	19.30	19.18	0-3
36		18	19.60	19.17	19.13	0	
36		37	19.62	19.16	19.13	0	
75		0	19.61	19.23	19.16	0-5	0
1		0	18.81	18.59	18.43		1
1		36	18.75	18.41	18.34		1
256QAM	1	74	18.71	18.37	18.26	0-5	1
	36	0	18.67	18.52	18.17		1
	36	18	18.61	18.15	18.35		1
	36	37	18.57	18.29	18.13	1	
	75	0	18.62	18.34	18.21	1	

Table H-65
LTE Band 7 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.69	19.17	19.38	0	0
	1	25	19.61	19.20	19.04		0
	1	49	19.54	19.19	19.10		0
	25	0	19.66	19.26	19.12	0-1	0
	25	12	19.61	19.17	19.13		0
	25	25	19.56	19.14	19.05		0
16QAM	50	0	19.61	19.19	19.18	0-1	0
	1	0	19.99	19.63	19.50		0
	1	25	19.88	19.56	19.44		0
	1	49	19.79	19.41	19.42	0-2	0
	25	0	19.67	19.23	19.14		0
	25	12	19.60	19.17	19.10		0
64QAM	25	25	19.55	19.15	19.10	0-2	0
	50	0	19.63	19.18	19.13		0
	1	0	19.88	19.44	19.39		0
	1	25	19.81	19.35	19.31	0-2	0
	1	49	19.80	19.38	19.42		0
	25	0	19.63	19.23	19.15		0
256QAM	25	12	19.60	19.17	19.10	0-3	0
	25	25	19.56	19.14	19.08		0
	50	0	19.63	19.19	19.14		0
	1	0	18.80	18.55	18.30	0-5	1
	1	25	18.65	18.49	18.26		1
	1	49	18.74	18.42	18.22		1
25	0	18.68	18.38	18.19	1		
25	12	18.59	18.32	18.12	1		
25	25	18.59	18.33	18.09	1		
50	0	18.62	18.34	18.14	1		

Table H-66
LTE Band 7 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.68	19.29	19.18	0	0
	1	12	19.66	19.24	19.17		0
	1	24	19.61	19.19	19.16		0
	12	0	19.71	19.29	19.16	0-1	0
	12	6	19.65	19.20	19.14		0
	12	13	19.63	19.19	19.11		0
16QAM	25	0	19.69	19.24	19.18	0-1	0
	1	0	19.99	19.61	19.52		0
	1	12	19.98	19.57	19.52		0
	1	24	19.81	19.57	19.39	0-2	0
	12	0	19.75	19.30	19.21		0
	12	6	19.72	19.28	19.23		0
64QAM	12	13	19.71	19.27	19.15	0-2	0
	25	0	19.72	19.24	19.22		0
	1	0	19.85	19.42	19.33		0-2
	1	12	19.95	19.49	19.31	0	
	1	24	19.81	19.41	19.38	0	
	256QAM	12	0	19.75	19.27	19.20	0-3
12		6	19.73	19.28	19.18	0	
12		13	19.67	19.22	19.14	0	
25		0	19.69	19.24	19.17	0-5	0
1		0	18.86	18.45	18.37		1
1		12	18.81	18.53	18.29		1
1	24	18.74	18.45	18.24	1		
12	0	18.69	18.27	18.26	1		
12	6	18.69	18.38	18.19	1		
12	13	18.65	18.37	18.11	1		
25	0	18.70	18.41	18.20	1		

H.1.12 LTE Band 41 Antenna B

Table H-67

LTE Band 41 PC3 Antenna B Measured P_{limit} for ECI = 1 (Head) – 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)			
Conducted Power [dBm]										
QPSK	1	0	22.78	22.69	22.62	22.56	22.85	0	0	
	1	36	22.89	22.67	22.67	22.51	22.81		0	
	1	74	22.88	22.55	22.60	22.50	22.80		0	
	16QAM	36	0	22.78	22.62	22.59	22.47	22.81	0-1	0
		36	18	22.82	22.58	22.58	22.50	22.80		0
		36	37	22.83	22.57	22.61	22.48	22.81		0
		64QAM	75	0	22.81	22.58	22.60	22.49	22.83	0-1
1			0	22.99	22.89	22.82	22.75	23.05	0	
1			36	23.09	22.88	22.90	22.73	23.10	0	
256QAM			1	74	23.08	22.74	22.81	22.68	23.02	0-2
	36		0	22.35	22.18	22.16	22.04	22.41	0.4	
	36		18	22.38	22.15	22.14	22.06	22.40	0.4	
	64QAM		36	37	22.38	22.13	22.15	22.04	22.38	0-2
		75	0	22.43	22.21	22.24	22.11	22.47	0.4	
		1	0	22.35	22.25	22.16	22.07	22.41	0.4	
		256QAM	1	36	22.42	22.24	22.25	22.10	22.46	0-2
1			74	22.43	22.10	22.15	22.06	22.38	0.4	
36			0	21.39	21.24	21.21	21.08	21.44	1.4	
64QAM			36	18	21.41	21.18	21.19	21.12	21.43	0-3
	36		37	21.42	21.17	21.20	21.09	21.39	1.4	
	75		0	21.45	21.24	21.24	21.15	21.45	1.4	
	256QAM		1	0	19.34	19.27	19.18	19.12	19.39	0-5
		1	36	19.44	19.25	19.27	19.09	19.43	3.4	
		1	74	19.41	19.12	19.17	19.06	19.35	3.4	
		64QAM	36	0	19.38	19.24	19.23	19.11	19.46	0-5
36			18	19.42	19.21	19.21	19.12	19.44	3.4	
36			37	19.43	19.20	19.23	19.10	19.42	3.4	
256QAM			75	0	19.45	19.24	19.26	19.14	19.47	0-5

Table H-68

LTE Band 41 PC3 Antenna B Measured P_{limit} for ECI = 1 (Head) – 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)			
Conducted Power [dBm]										
QPSK	1	0	22.64	22.69	22.68	22.55	22.82	0	0	
	1	25	22.60	22.54	22.59	22.42	22.77		0	
	1	49	22.65	22.59	22.65	22.50	22.84		0	
	16QAM	25	0	22.55	22.56	22.55	22.43	22.78	0-1	0
		25	12	22.51	22.53	22.50	22.44	22.75		0
		25	25	22.56	22.54	22.57	22.45	22.77		0
		64QAM	50	0	22.55	22.55	22.55	22.46	22.79	0-1
1			0	22.85	22.88	22.85	22.76	23.08	0	
1			25	22.81	22.79	22.83	22.65	23.01	0	
256QAM			1	49	22.84	22.79	22.84	22.72	23.08	0-1
	25		0	22.21	22.23	22.21	22.09	22.47	0.4	
	25		12	22.17	22.18	22.17	22.09	22.44	0.4	
	64QAM		25	25	22.22	22.21	22.23	22.10	22.44	0-2
		50	0	22.21	22.19	22.21	22.11	22.44	0.4	
		1	0	22.20	22.25	22.21	22.11	22.44	0.4	
		256QAM	1	25	22.16	22.14	22.16	22.01	22.36	0-2
1			49	22.18	22.13	22.19	22.09	22.41	0.4	
25			0	21.16	21.17	21.16	21.05	21.39	1.4	
64QAM			25	12	21.10	21.13	21.11	21.04	21.35	0-3
	25		25	21.17	21.16	21.18	21.06	21.36	1.4	
	50		0	21.23	21.21	21.23	21.13	21.44	1.4	
	256QAM		1	0	19.21	19.25	19.21	19.11	19.42	0-5
		1	25	19.16	19.16	19.17	18.99	19.32	3.4	
		1	49	19.19	19.14	19.19	19.08	19.37	3.4	
		64QAM	25	0	19.19	19.22	19.20	19.09	19.44	0-5
25			12	19.15	19.16	19.15	19.09	19.41	3.4	
25			25	19.21	19.19	19.22	19.09	19.43	3.4	
256QAM			50	0	19.24	19.22	19.25	19.12	19.47	0-5

Table H-69

LTE Band 41 PC3 Antenna B Measured P_{limit} for ECI = 1 (Head) – 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
Conducted Power [dBm]									
QPSK	1	0	22.81	22.62	22.60	22.50	22.81	0	0
	1	12	22.86	22.62	22.62	22.47	22.80		0
	1	24	22.84	22.59	22.63	22.50	22.81		0
	12	0	22.75	22.54	22.52	22.40	22.75	0-1	0
	12	6	22.77	22.55	22.52	22.39	22.74		0
	12	13	22.75	22.53	22.52	22.41	22.73		0
25	0	22.79	22.55	22.57	22.46	22.79	0-1	0	
16QAM	1	0	23.01	22.82	22.77	22.68		23.02	0
	1	12	23.03	22.82	22.86	22.68		23.04	0
	1	24	23.01	22.79	22.79	22.67		23.01	0
	12	0	22.33	22.14	22.11	22.01		22.36	0.4
	12	6	22.34	22.13	22.13	21.98		22.35	0.4
	12	13	22.34	22.13	22.12	22.01	22.36	0.4	
25	0	22.46	22.21	22.23	22.12	22.46	0-2	0.4	
64QAM	1	0	22.36	22.15	22.13	22.03		22.37	0.4
	1	12	22.37	22.16	22.19	22.03		22.40	0.4
	1	24	22.37	22.13	22.15	22.03		22.38	0.4
	12	0	21.33	21.14	21.13	21.02		21.36	1.4
	12	6	21.34	21.14	21.13	21.00		21.34	1.4
	12	13	21.34	21.14	21.13	21.02	21.36	1.4	
25	0	21.38	21.14	21.17	21.07	21.39	0-3	1.4	
256QAM	1	0	19.36	19.16	19.13	19.00		19.33	3.4
	1	12	19.33	19.13	19.16	19.02		19.33	3.4
	1	24	19.34	19.12	19.14	19.01		19.33	3.4
	12	0	19.44	19.25	19.23	19.11		19.48	3.4
	12	6	19.45	19.27	19.23	19.09		19.46	3.4
	12	13	19.46	19.26	19.25	19.14	19.46	3.4	
25	0	19.41	19.16	19.20	19.11	19.44	0-5	3.4	

Table H-70

LTE Band 41 PC3 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	23.25	23.06	22.88	23.07	23.35	0	0
	1	36	23.31	23.12	23.00	23.15	23.46		0
	1	74	23.26	23.02	22.96	23.19	23.38		0
	36	0	23.26	23.08	22.95	23.14	23.45	0-1	0
	36	18	23.30	23.06	22.96	23.19	23.45		0
	36	37	23.27	23.09	23.00	23.18	23.46		0
75	0	23.27	23.04	22.97	23.18	23.45	0-1	0	
16QAM	1	0	23.44	23.60	23.34	23.29		23.93	0
	1	36	23.49	23.70	23.48	23.37		23.89	0
	1	74	23.43	23.53	23.37	23.36		23.90	0
	36	0	22.28	22.08	21.95	22.10		22.46	1
	36	18	22.27	22.07	21.89	22.16		22.47	1
	36	37	22.26	22.09	21.97	22.18	22.44	1	
75	0	22.30	22.05	21.94	22.18	22.44	0-2	1	
64QAM	1	0	22.84	22.44	22.14	22.71		22.61	1
	1	36	22.90	22.49	22.27	22.78		22.68	1
	1	74	22.84	22.37	22.22	22.78		22.68	1
	36	0	21.26	21.07	20.95	21.10		21.40	2
	36	18	21.27	21.04	20.94	21.14		21.38	2
	36	37	21.25	21.05	20.99	21.15	21.38	2	
75	0	21.27	21.08	20.97	21.15	21.41	0-3	2	
256QAM	1	0	19.70	19.28	18.69	19.46		19.61	4
	1	36	19.77	19.30	18.81	19.58		19.71	4
	1	74	19.73	19.22	18.78	19.61		19.60	4
	36	0	19.24	18.96	18.91	19.05		19.33	4
	36	18	19.16	18.95	18.89	19.11		19.31	4
	36	37	19.25	18.95	18.95	19.11	19.30	4	
75	0	19.23	18.99	18.98	19.12	19.34	0-5	4	

Table H-71
LTE Band 41 PC3 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	23.25	23.12	22.93	23.10	23.46	0	0
	1	25	23.21	23.07	22.92	23.07	23.43		0
	1	49	23.29	23.10	23.01	23.20	23.44		0
	25	0	23.22	23.07	22.91	23.10	23.45	0-1	0
	25	12	23.23	23.04	22.89	23.13	23.42		0
	25	25	23.23	23.06	22.96	23.15	23.39		0
16QAM	50	0	23.25	23.03	22.94	23.13	23.44	0-1	0
	1	0	23.79	23.66	23.40	23.63	23.99		0
	1	25	23.74	23.60	23.37	23.60	23.91		0
	1	49	23.81	23.62	23.45	23.72	24.00	0-2	0
	25	0	22.26	22.08	21.96	22.14	22.44		1
	25	12	22.27	22.05	21.94	22.16	22.43		1
64QAM	25	25	22.28	22.09	22.00	22.19	22.45	0-2	1
	50	0	22.26	22.01	21.94	22.17	22.38		1
	1	0	22.54	22.36	22.18	22.43	22.75		0-2
	1	25	22.47	22.52	22.16	22.36	22.87	1	
	1	49	22.54	22.37	22.24	22.47	22.73	1	
	256QAM	25	0	21.15	21.06	20.93	21.00	21.44	0-3
25		12	21.15	21.04	20.88	21.04	21.39	2	
25		25	21.16	21.08	20.95	21.06	21.40	2	
50		0	21.21	21.03	20.91	21.10	21.37	0-5	2
1		0	19.25	19.34	18.76	19.12	19.67		4
1		25	19.19	19.22	18.94	19.05	19.62		4
256QAM	1	49	19.27	19.27	18.81	19.16	19.65	0-5	4
	25	0	19.12	18.93	18.87	19.00	19.31		4
	25	12	19.10	18.91	18.83	19.02	19.26		4
	25	25	19.14	18.94	18.92	19.06	19.27	4	
	50	0	19.18	18.97	18.92	19.06	19.34	4	

Table H-72
LTE Band 41 PC3 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	23.16	23.03	22.87	23.03	23.35	0	0
	1	12	23.21	23.02	22.92	23.07	23.39		0
	1	24	23.17	22.99	22.93	23.12	23.38		0
	12	0	23.22	23.01	22.89	23.10	23.40	0-1	0
	12	6	23.22	23.03	22.89	23.09	23.38		0
	12	13	23.21	23.03	22.89	23.10	23.37		0
16QAM	25	0	23.26	23.06	22.96	23.15	23.42	0-1	0
	1	0	23.79	23.38	23.51	23.64	23.74		0
	1	12	23.79	23.43	23.59	23.68	23.74		0
	1	24	23.76	23.40	23.62	23.71	23.74	0-2	0
	12	0	22.29	22.04	21.96	22.17	22.46		1
	12	6	22.28	22.07	21.94	22.15	22.42		1
64QAM	12	13	22.27	22.05	21.96	22.17	22.42	0-2	1
	25	0	22.20	22.02	22.00	22.08	22.40		1
	1	0	22.52	22.43	22.51	22.35	22.31		0-2
	1	12	22.52	22.44	22.53	22.39	22.33	1	
	1	24	22.49	22.41	22.55	22.40	22.35	1	
	256QAM	12	0	21.20	21.05	20.99	21.05	21.41	0-3
12		6	21.19	21.06	21.00	21.03	21.41	2	
12		13	21.17	21.06	21.00	21.08	21.39	2	
25		0	21.28	20.99	20.95	21.18	21.36	0-5	2
1		0	19.32	19.41	19.16	19.20	19.79		4
1		12	19.30	19.41	19.22	19.22	19.74		4
256QAM	1	24	19.40	19.40	19.22	19.22	19.76	0-5	4
	12	0	19.17	18.93	18.81	19.05	19.29		4
	12	6	19.25	18.94	18.82	19.05	19.25		4
	12	13	19.23	18.94	18.81	19.09	19.28	4	
	25	0	19.12	18.88	18.83	18.99	19.25	4	

H.1.13 LTE Band 48 Antenna F

Table H-73
LTE Band 48 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	18.30	18.91	18.71	18.43	0	0
	1	36	18.40	18.75	18.19	18.26		0
	1	74	18.55	18.64	18.18	18.37		0
	36	0	18.29	18.78	18.13	18.15	0-1	0
	36	18	18.35	18.70	18.14	18.22		0
	36	37	18.42	18.66	18.10	18.27		0
	75	0	18.38	18.70	18.12	18.21		0
16QAM	1	0	18.50	18.95	18.42	18.33	0-1	0
	1	36	18.60	18.84	18.37	18.47		0
	1	74	18.74	18.75	18.35	18.56		0
	36	0	18.22	18.71	18.07	18.07	0-2	0
	36	18	18.29	18.64	18.07	18.14		0
	36	37	18.37	18.60	18.05	18.19		0
	75	0	18.38	18.71	18.13	18.22		0
64QAM	1	0	18.22	18.75	18.15	18.07	0-2	0
	1	36	18.32	18.67	18.10	18.19		0
	1	74	18.48	18.55	18.10	18.30		0
	36	0	18.28	18.54	18.13	18.14	0-3	0
	36	18	18.34	18.70	18.12	18.20		0
	36	37	18.43	18.65	18.10	18.26		0
	75	0	18.42	18.75	18.16	18.25		0
256QAM	1	0	17.26	17.77	17.18	17.10	0-5	1
	1	36	17.37	17.71	17.14	17.23		1
	1	74	17.53	17.60	17.13	17.33		1
	36	0	17.29	17.77	17.13	17.16		1
	36	18	17.36	17.72	17.13	17.21		1
	36	37	17.44	17.68	17.11	17.29		1
	75	0	17.41	17.74	17.16	17.25		1

Table H-74
LTE Band 48 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	18.29	18.89	18.35	18.52	0	0
	1	25	18.37	18.75	18.16	18.30		0
	1	49	18.46	18.72	18.16	18.42		0
	25	0	18.27	18.78	18.12	18.19	0-1	0
	25	12	18.34	18.72	18.14	18.27		0
	25	25	18.35	18.70	18.10	18.29		0
	50	0	18.33	18.74	18.12	18.26		0
16QAM	1	0	18.47	18.93	18.36	18.39	0-1	0
	1	25	18.59	18.84	18.37	18.49		0
	1	49	18.65	18.73	18.34	18.62		0
	25	0	18.29	18.81	18.12	18.24	0-2	0
	25	12	18.37	18.75	18.17	18.30		0
	25	25	18.38	18.72	18.13	18.33		0
	50	0	18.34	18.76	18.14	18.29		0
64QAM	1	0	18.21	18.76	18.11	18.15	0-2	0
	1	25	18.33	18.66	18.12	18.25		0
	1	49	18.39	18.54	18.09	18.35		0
	25	0	18.25	18.54	18.10	18.20	0-3	0
	25	12	18.32	18.71	18.12	18.25		0
	25	25	18.34	18.66	18.08	18.28		0
	50	0	18.38	18.77	18.17	18.33		0
256QAM	1	0	17.22	17.77	17.13	17.17	0-5	1
	1	25	17.34	17.70	17.14	17.29		1
	1	49	17.41	17.65	17.11	17.37		1
	25	0	17.31	17.80	17.15	17.24		1
	25	12	17.37	17.74	17.16	17.29		1
	25	25	17.40	17.74	17.13	17.32		1
	50	0	17.39	17.79	17.18	17.32		1

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 41 of 131

Table H-75
LTE Band 48 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	18.27	18.89	18.26	18.50	0	0
	1	12	18.36	18.77	18.11	18.27		0
	1	24	18.36	18.71	18.13	18.38		0
	12	0	18.23	18.69	18.04	18.20	0-1	0
	12	6	18.22	18.69	18.05	18.23		0
	12	13	18.25	18.68	18.04	18.25		0
16QAM	25	0	18.26	18.71	18.07	18.25	0-1	0
	1	0	18.45	18.92	18.31	18.44		0
	1	12	18.50	18.85	18.26	18.46		0
	1	24	18.54	18.75	18.30	18.54	0-2	0
	12	0	18.19	18.66	17.99	18.17		0
	12	6	18.18	18.65	18.00	18.19		0
64QAM	12	13	18.22	18.66	18.02	18.23	0-2	0
	25	0	18.29	18.76	18.10	18.30		0
	1	0	18.18	18.67	18.05	18.19		0-3
	1	12	18.25	18.67	18.04	18.22	0	
	1	24	18.26	18.55	18.04	18.29	0	
	256QAM	12	0	18.22	18.54	18.03	18.18	0-3
12		6	18.21	18.67	18.04	18.21	0	
12		13	18.23	18.66	18.03	18.24	0	
25		0	18.23	18.70	18.07	18.25	0-5	0
1		0	17.21	17.69	17.10	17.22		1
1		12	17.27	17.69	17.06	17.24		1
256QAM	1	24	17.31	17.64	17.08	17.33	0-5	1
	12	0	17.35	17.79	17.15	17.32		1
	12	6	17.34	17.79	17.15	17.34		1
	12	13	17.38	17.80	17.16	17.38	1	1
	25	0	17.29	17.74	17.12	17.29		1

Table H-76
LTE Band 48 Antenna F Measured P_{max} and/or P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	22.34	22.83	22.22	22.22	0	0
	1	36	22.45	22.80	22.21	22.32		0
	1	74	22.57	22.64	22.25	22.44		0
	36	0	21.33	21.78	21.19	21.21	0-1	1
	36	18	21.37	21.72	21.14	21.26		1
	36	37	21.45	21.68	21.15	21.29		1
16QAM	75	0	21.38	21.73	21.16	21.26	0-1	1
	1	0	21.56	21.97	21.42	21.44		1
	1	36	21.66	21.82	21.43	21.53		0-2
	1	74	21.77	21.75	21.45	21.65	1	
	36	0	20.30	20.82	20.17	20.19	2	
	64QAM	36	18	20.38	20.75	20.18	20.26	0-2
36		37	20.45	20.70	20.14	20.30	2	
75		0	20.46	20.81	20.24	20.33	2	
1		0	20.32	20.81	20.24	20.15	0-3	2
1		36	20.43	20.76	20.22	20.31		2
1		74	20.58	20.62	20.20	20.40		2
256QAM	36	0	19.37	19.85	19.21	19.25	0-5	3
	36	18	19.42	19.80	19.22	19.30		3
	36	37	19.51	19.75	19.20	19.35		3
	75	0	19.50	19.83	19.25	19.34	5	3
	1	0	17.35	17.88	17.27	17.19		5
	1	36	17.46	17.81	17.24	17.32		5
256QAM	1	74	17.60	17.69	17.23	17.42	0-5	5
	36	0	17.38	17.85	17.22	17.24		5
	36	18	17.45	17.78	17.21	17.30		5
	36	37	17.51	17.75	17.20	17.34	5	5
	75	0	17.50	17.81	17.25	17.33		5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 42 of 131

Table H-77

LTE Band 48 Antenna F Measured P_{max} and/or P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	22.24	22.76	22.16	22.23	0	0
	1	25	22.37	22.76	22.20	22.32		0
	1	49	22.40	22.63	22.18	22.37		0
	25	0	21.27	21.76	21.13	21.25	0-1	1
	25	12	21.35	21.73	21.14	21.28		1
	25	25	21.37	21.68	21.11	21.28		1
16QAM	50	0	21.33	21.73	21.13	21.26	0-1	1
	1	0	21.50	21.96	21.37	21.43		1
	1	25	21.54	21.82	21.39	21.51		1
	1	49	21.68	21.75	21.40	21.61	0-2	1
	25	0	20.38	20.88	20.23	20.33		2
	25	12	20.44	20.84	20.26	20.40		2
64QAM	25	25	20.46	20.80	20.20	20.41	0-2	2
	50	0	20.42	20.83	20.23	20.37		2
	1	0	20.28	20.82	20.17	20.24		2
	1	25	20.40	20.75	20.20	20.35	0-2	2
	1	49	20.45	20.62	20.18	20.43		2
	25	0	19.32	19.82	19.17	19.26		3
256QAM	25	12	19.39	19.77	19.20	19.34	0-3	3
	25	25	19.41	19.74	19.15	19.35		3
	50	0	19.45	19.85	19.25	19.40		3
	1	0	17.30	17.84	17.19	17.25	0-5	5
	1	25	17.41	17.77	17.20	17.36		5
	1	49	17.47	17.73	17.18	17.45		5
25	0	17.36	17.86	17.21	17.29	5		
25	12	17.42	17.80	17.24	17.36	5		
25	25	17.46	17.79	17.20	17.39	5		
50	0	17.44	17.85	17.25	17.38	5		

Table H-78

LTE Band 48 Antenna F Measured P_{max} and/or P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	22.28	22.78	22.14	22.31	0	0
	1	12	22.41	22.75	22.22	22.35		0
	1	24	22.37	22.70	22.14	22.38		0
	12	0	21.26	21.72	21.05	21.23	0-1	1
	12	6	21.22	21.70	21.05	21.23		1
	12	13	21.28	21.68	21.07	21.26		1
16QAM	25	0	21.28	21.72	21.08	21.30	0-1	1
	1	0	21.49	21.97	21.33	21.48		1
	1	12	21.55	21.82	21.34	21.59		1
	1	24	21.58	21.75	21.32	21.56	0-2	1
	12	0	20.29	20.76	20.11	20.27		2
	12	6	20.29	20.75	20.11	20.31		2
64QAM	12	13	20.31	20.76	20.13	20.34	0-2	2
	25	0	20.39	20.86	20.21	20.41		2
	1	0	20.28	20.79	20.15	20.29		2
	1	12	20.33	20.75	20.14	20.35	0-2	2
	1	24	20.35	20.61	20.13	20.41		2
	12	0	19.31	19.78	19.13	19.30		0-3
12	6	19.29	19.77	19.13	19.31	3		
12	13	19.34	19.77	19.13	19.34	3		
25	0	19.34	19.81	19.15	19.35	3		
256QAM	1	0	17.29	17.78	17.18	17.32	0-5	5
	1	12	17.35	17.76	17.16	17.32		5
	1	24	17.38	17.74	17.17	17.43		5
	12	0	17.41	17.88	17.23	17.39		5
	12	6	17.42	17.89	17.23	17.42		5
	12	13	17.45	17.90	17.26	17.46		5
25	0	17.37	17.82	17.18	17.39	5		

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by:
DUT Type: Portable Handset		Technical Manager
		APPENDIX H: Page 43 of 131

H.2 NR Lower Bandwidth RF Conducted Powers

Note: Per FCC guidance, C-band and DoD lower Bandwidth conducted powers are required only on channels corresponding to the largest BW

H.2.1 NR Band n71 Antenna A

Table H-79
NR Band n71 Antenna A Measured P_{max} for all ECI – 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	23.72	0	0.0
	1	40	23.76		0.0
	1	77	23.99		0.0
	36	0	22.87	0-1	1.0
	36	22	23.94	0	0.0
	36	43	23.09	0-1	1.0
	75	0	22.97		1.0
DFT-s-OFDM 16QAM	1	1	22.84	0-1	1.0
CP-OFDM QPSK	1	1	22.13	0-1.5	1.5

Table H-80
NR Band n71 Antenna A Measured P_{max} for all ECI – 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	23.65	23.69	24.01	0	0.0
	1	26	23.72	23.84	24.15		0.0
	1	50	23.70	23.86	24.25		0.0
	25	0	22.79	22.91	23.22	0-1	1.0
	25	14	23.79	23.91	24.23	0	0.0
	25	27	22.86	23.03	23.34	0-1	1.0
	50	0	22.86	22.99	23.26		1.0
DFT-s-OFDM 16QAM	1	1	23.01	22.96	23.21	0-1	1.0
CP-OFDM QPSK	1	1	22.20	22.22	22.55	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 44 of 131

Table H-81
NR Band n71 Antenna A Measured P_{max} for all ECI – 5 MHz Bandwidth

NR Band n71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			133100 (665.5 MHz)	136100 (680.5 MHz)	139100 (695.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.65	23.68	24.18	0	0.0
	1	13	23.67	23.75	24.20		0.0
	1	23	23.75	23.84	24.34		0.0
	12	0	22.96	23.00	23.46	0-1	1.0
	12	7	23.86	23.98	24.43	0	0.0
	12	13	22.91	23.07	23.48	0-1	1.0
25	0	22.88	23.01	23.47	1.0		
DFT-s-OFDM 16QAM	1	1	23.03	23.07	23.46	0-1	1.0
CP-OFDM QPSK	1	1	22.26	22.33	22.76	0-1.5	1.5

H.2.2 NR Band n5 Antenna A

Table H-82
NR Band n5 Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	23.54	0	0.0
	1	40	23.62		0.0
	1	77	23.56		0.0
	36	0	22.71	0-1	1.0
	36	22	23.71	0	0.0
	36	43	22.76	0-1	1.0
	75	0	22.72		1.0
DFT-s-OFDM 16QAM	1	1	22.82	0-1	1.0
CP-OFDM QPSK	1	1	22.14	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 45 of 131

Table H-83
NR Band n5 Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	23.51	0	0.0	
	1	26	23.59		0.0	
	1	50	23.56		0.0	
	25	0	22.76	0-1	1.0	
	25	14	23.70	0	0.0	
	25	27	22.71	0-1	1.0	
	50	0	22.76		1.0	
DFT-s-OFDM 16QAM	1	1	22.89	0-1	1.0	
CP-OFDM QPSK	1	1	22.06	0-1.5	1.5	

Table H-84
NR Band n5 Antenna A Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 5 MHz Bandwidth

NR Band n5 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			165300 (826.5 MHz)	167300 (836.5 MHz)	169300 (846.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	23.53	23.54	23.62	0	0.0
	1	13	23.52	23.54	23.50		0.0
	1	23	23.50	23.54	23.57		0.0
	12	0	22.67	22.81	22.86	0-1	1.0
	12	7	23.67	23.76	23.81	0	0.0
	12	13	22.70	22.75	22.74	0-1	1.0
	25	0	22.69	22.75	22.82		1.0
DFT-s-OFDM 16QAM	1	1	22.69	22.89	22.83	0-1	1.0
CP-OFDM QPSK	1	1	22.02	22.11	22.12	0-1.5	1.5

Table H-85

NR Band n5 Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	23.11	0	0.0
	1	40	23.28		0.0
	1	77	23.14		0.0
	36	0	23.31	0-1	0.0
	36	22	23.31	0	0.0
	36	43	23.30	0-1	0.0
	75	0	23.32		0.0
DFT-s-OFDM 16QAM	1	1	23.38	0-1	0.0
CP-OFDM QPSK	1	1	22.61	0-1.5	0.5

Table H-86

NR Band n5 Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	23.20	0	0.0
	1	26	23.20		0.0
	1	50	23.18		0.0
	25	0	23.22	0-1	0.0
	25	14	23.25	0	0.0
	25	27	23.28	0-1	0.0
	50	0	23.25		0.0
DFT-s-OFDM 16QAM	1	1	23.43	0-1	0.0
CP-OFDM QPSK	1	1	22.70	0-1.5	0.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 47 of 131

Table H-87

NR Band n5 Antenna A Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 5 MHz Bandwidth

NR Band n5 5 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]
			165300 (826.5 MHz)	167300 (836.5 MHz)	169300 (846.5 MHz)	
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	22.99	23.12	23.12	0
	1	13	22.98	23.18	23.03	
	1	23	23.00	23.12	23.09	
	12	0	23.18	23.31	23.30	0-1
	12	7	23.18	23.28	23.25	0
	12	13	23.17	23.33	23.21	0-1
	25	0	23.21	23.30	23.27	
DFT-s-OFDM 16QAM	1	1	23.22	23.32	23.37	0-1
CP-OFDM QPSK	1	1	22.54	22.57	22.58	0-1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 48 of 131

H.2.3 NR Band n70 Antenna B

Table H-88
NR Band n70 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.28	0	0.0
	1	26	24.39		0.0
	1	50	24.33		0.0
	25	0	23.95	0-1	1.0
	25	14	24.94	0	0.0
	25	27	23.91	0-1	1.0
	50	0	23.94		1.0
DFT-s-OFDM 16QAM	1	1	23.46	0-1	1.0
CP-OFDM QPSK	1	1	22.69	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 49 of 131

Table H-89
NR Band n70 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.62	24.30	0	0.0
	1	13	24.24	24.21		0.0
	1	23	24.88	24.38		0.0
	12	0	23.87	23.96	0-1	1.0
	12	7	24.90	24.92	0	0.0
	12	13	23.96	23.95	0-1	1.0
	25	0	23.86	23.94		1.0
DFT-s-OFDM 16QAM	1	1	23.35	23.46	0-1	1.0
CP-OFDM QPSK	1	1	22.56	22.65	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 50 of 131

Table H-90
NR Band n70 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	22.42	0	0.0
	1	26	22.56		0.0
	1	50	22.35		0.0
	25	0	22.50	0-1	0.0
	25	14	22.48	0	0.0
	25	27	22.48	0-1	0.0
	50	0	22.53		0.0
DFT-s-OFDM 16QAM	1	1	22.50	0-1	0.0
CP-OFDM QPSK	1	1	22.27	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 51 of 131

Table H-91
NR Band n70 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	22.40	22.42	0	0.0
	1	13	22.39	22.31		0.0
	1	23	22.55	22.41		0.0
	12	0	22.49	22.52	0-1	0.0
	12	7	22.50	22.46	0	0.0
	12	13	22.59	22.50	0-1	0.0
	25	0	22.54	22.50		0.0
DFT-s-OFDM 16QAM	1	1	22.50	22.50	0-1	0.0
CP-OFDM QPSK	1	1	22.27	22.28	0-1.5	0.0

H.2.4 NR Band n66 Antenna B

Table H-92
NR Band n66 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	23.68	0	0.0
	1	80	23.37		0.0
	1	158	23.33		0.0
	80	0	23.04	0-1	1.0
	80	40	23.87	0	0.0
	80	80	22.83	0-1	1.0
	160	0	22.95		1.0
DFT-s-OFDM 16QAM	1	1	22.78	0-1	1.0
CP-OFDM QPSK	1	1	22.06	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 52 of 131

Table H-93
NR Band n66 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	23.43	0	0.0
	1	67	23.34		0.0
	1	131	23.26		0.0
	64	0	23.02	0-1	1.0
	64	35	23.86	0	0.0
	64	69	22.80	0-1	1.0
	128	0	22.91		1.0
DFT-s-OFDM 16QAM	1	1	22.53	0-1	1.0
CP-OFDM QPSK	1	1	21.80	0-1.5	1.5

Table H-94
NR Band n66 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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) Conducted Power [dBm]	349000 (1745 MHz) Conducted Power [dBm]	354000 (1770 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.13	23.43	23.30	0	0.0
	1	53	24.04	23.30	23.38		0.0
	1	104	23.70	23.31	23.27		0.0
	50	0	23.60	22.96	22.87	0-1	1.0
	50	28	24.56	23.91	23.91	0	0.0
	50	56	23.52	22.86	22.82	0-1	1.0
	100	0	23.57	22.92	22.88		1.0
DFT-s-OFDM 16QAM	1	1	23.20	22.50	22.37	0-1	1.0
CP-OFDM QPSK	1	1	22.50	21.84	21.70	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 53 of 131

Table H-95
NR Band n66 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.13	23.36	23.35	0	0.0
	1	40	24.04	23.33	23.30		0.0
	1	77	24.03	23.35	23.29		0.0
	36	0	23.65	22.90	22.89	0-1	1.0
	36	22	24.59	23.84	23.87	0	0.0
	36	43	23.59	22.80	22.78	0-1	1.0
	75	0	23.64	22.88	22.87		1.0
DFT-s-OFDM 16QAM	1	1	23.22	22.45	22.40	0-1	1.0
CP-OFDM QPSK	1	1	22.50	21.74	21.76	0-1.5	1.5

Table H-96
NR Band n66 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.15	23.35	23.39	0	0.0
	1	26	24.08	23.32	23.36		0.0
	1	50	24.13	23.35	23.30		0.0
	25	0	23.67	22.91	22.96	0-1	1.0
	25	14	24.69	23.88	23.95	0	0.0
	25	27	23.68	22.88	22.90	0-1	1.0
	50	0	23.68	22.88	22.92		1.0
DFT-s-OFDM 16QAM	1	1	23.24	22.44	22.51	0-1	1.0
CP-OFDM QPSK	1	1	22.53	21.73	21.80	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 54 of 131

Table H-97
NR Band n66 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.11	23.33	23.29	0	0.0
	1	13	24.04	23.27	23.25		0.0
	1	23	24.11	23.25	23.29		0.0
	12	0	23.72	22.89	22.96	0-1	1.0
	12	7	24.66	23.90	23.92	0	0.0
	12	13	23.65	22.86	22.88	0-1	1.0
	25	0	23.66	22.90	22.95		1.0
DFT-s-OFDM 16QAM	1	1	23.14	22.38	22.39	0-1	1.0
CP-OFDM QPSK	1	1	22.45	21.69	21.65	0-1.5	1.5

Table H-98
NR Band n66 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.13	0	0.0
	1	80	18.92		0.0
	1	158	18.81		0.0
	80	0	19.05	0-1	0.0
	80	40	19.02	0	0.0
	80	80	18.85	0-1	0.0
	160	0	18.88		0.0
DFT-s-OFDM 16QAM	1	1	19.21	0-1	0.0
CP-OFDM QPSK	1	1	19.06	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 55 of 131

Table H-99
NR Band n66 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	18.96	0	0.0	
	1	67	18.93		0.0	
	1	131	18.77		0.0	
	64	0	19.03	0-1	0.0	
	64	35	18.98	0	0.0	
	64	69	18.82	0-1	0.0	
128	0	18.93	0.0			
DFT-s-OFDM 16QAM	1	1	19.08	0-1	0.0	
CP-OFDM QPSK	1	1	18.89	0-1.5	0.0	

Table H-100
NR Band n66 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.61	18.96	18.83	0	0.0
	1	53	19.62	18.88	18.84		0.0
	1	104	19.23	18.89	18.83		0.0
	50	0	19.70	19.00	18.87	0-1	0.0
	50	28	19.64	18.95	18.95	0	0.0
	50	56	19.52	18.91	18.84	0-1	0.0
	100	0	19.58	18.96	18.88		0.0
DFT-s-OFDM 16QAM	1	1	19.66	19.07	18.89	0-1	0.0
CP-OFDM QPSK	1	1	19.53	18.89	18.80	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 56 of 131

Table H-101
NR Band n66 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.64	18.88	18.81	0	0.0
	1	40	19.63	18.97	18.79		0.0
	1	77	19.46	18.88	18.78		0.0
	36	0	19.70	18.93	18.82	0-1	0.0
	36	22	19.74	19.04	18.89	0	0.0
	36	43	19.66	18.87	18.84	0-1	0.0
	75	0	19.69	19.01	18.90		0.0
DFT-s-OFDM 16QAM	1	1	19.71	19.05	18.90	0-1	0.0
CP-OFDM QPSK	1	1	19.55	18.85	18.72	0-1.5	0.0

Table H-102
NR Band n66 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.70	18.92	18.91	0	0.0
	1	26	19.73	18.90	18.80		0.0
	1	50	19.68	18.91	18.87		0.0
	25	0	19.75	18.97	18.95	0-1	0.0
	25	14	19.78	19.02	19.00	0	0.0
	25	27	19.77	18.97	18.91	0-1	0.0
	50	0	19.78	18.95	18.95		0.0
DFT-s-OFDM 16QAM	1	1	19.75	19.03	19.03	0-1	0.0
CP-OFDM QPSK	1	1	19.61	18.85	18.82	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 57 of 131

Table H-103
NR Band n66 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	19.65	18.92	18.80	0	0.0	
	1	13	19.65	18.89	18.86		0.0	
	1	23	19.64	18.88	18.86		0.0	
		12	0	19.74	18.91	18.93	0-1	0.0
		12	7	19.73	18.96	18.95	0	0.0
		12	13	19.74	18.96	18.96	0-1	0.0
		25	0	19.73	19.00	19.00		0.0
DFT-s-OFDM 16QAM	1	1	19.71	19.03	19.00	0-1	0.0	
CP-OFDM QPSK	1	1	19.53	18.79	18.78	0-1.5	0.0	

H.2.5 NR Band n66 Antenna C

Table H-104
NR Band n66 Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	20.82	0	0.0	
	1	80	20.68		0.0	
	1	158	20.63		0.0	
		80	0	20.78	0-1	0.0
		80	40	20.72	0	0.0
		80	80	20.66	0-1	0.0
		160	0	20.72		0.0
DFT-s-OFDM 16QAM	1	1	20.92	0-1	0.0	
CP-OFDM QPSK	1	1	20.73	0-1.5	0.0	

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 58 of 131

Table H-105
NR Band n66 Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	20.67	0	0.0
	1	67	20.63		0.0
	1	131	20.56		0.0
	64	0	20.74	0-1	0.0
	64	35	20.72	0	0.0
	64	69	20.61	0-1	0.0
	128	0	20.67		0.0
DFT-s-OFDM 16QAM	1	1	20.77	0-1	0.0
CP-OFDM QPSK	1	1	20.58	0-1.5	0.0

Table H-106
NR Band n66 Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.21	20.75	20.62	0	0.0
	1	53	21.01	20.64	20.67		0.0
	1	104	20.85	20.62	20.75		0.0
	50	0	21.17	20.77	20.74	0-1	0.0
	50	28	21.08	20.70	20.77	0	0.0
	50	56	21.03	20.62	20.80	0-1	0.0
	100	0	21.11	20.71	20.76		0.0
DFT-s-OFDM 16QAM	1	1	21.32	20.84	20.75	0-1	0.0
CP-OFDM QPSK	1	1	21.11	20.68	20.56	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 59 of 131

Table H-107
NR Band n66 Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.17	20.71	20.63	0	0.0
	1	40	21.05	20.59	20.66		0.0
	1	77	21.01	20.63	20.72		0.0
	36	0	21.24	20.74	20.71	0-1	0.0
	36	22	21.09	20.63	20.70	0	0.0
	36	43	21.12	20.61	20.78	0-1	0.0
	75	0	21.16	20.69	20.77		0.0
DFT-s-OFDM 16QAM	1	1	21.36	20.85	20.82	0-1	0.0
CP-OFDM QPSK	1	1	21.13	20.64	20.56	0-1.5	0.0

Table H-108
NR Band n66 Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.26	20.64	20.74	0	0.0
	1	26	21.16	20.59	20.80		0.0
	1	50	21.10	20.63	20.78		0.0
	25	0	21.29	20.70	20.86	0-1	0.0
	25	14	21.24	20.68	20.88	0	0.0
	25	27	21.16	20.65	20.87	0-1	0.0
	50	0	21.23	20.69	20.84		0.0
DFT-s-OFDM 16QAM	1	1	21.37	20.80	20.89	0-1	0.0
CP-OFDM QPSK	1	1	21.14	20.58	20.71	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 60 of 131

Table H-109
NR Band n66 Antenna C Measured P_{limit} for ECI = 1 (Head) – 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	21.09	20.60	20.70	0	0.0
	1	13	21.01	20.53	20.67		0.0
	1	23	20.99	20.55	20.66		0.0
	12	0	21.21	20.69	20.81	0-1	0.0
	12	7	21.18	20.63	20.79	0	0.0
	12	13	21.12	20.62	20.79	0-1	0.0
	25	0	21.15	20.67	20.79		0.0
DFT-s-OFDM 16QAM	1	1	21.21	20.70	20.90	0-1	0.0
CP-OFDM QPSK	1	1	21.00	20.49	20.65	0-1.5	0.0

Table H-110
NR Band n66 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.37	0	0.0
	1	80	20.49		0.0
	1	158	20.14		0.0
	80	0	20.54	0-1	0.0
	80	40	20.56	0	0.0
	80	80	20.38	0-1	0.0
	160	0	20.47		0.0
DFT-s-OFDM 16QAM	1	1	20.48	0-1	0.0
CP-OFDM QPSK	1	1	20.31	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 61 of 131

Table H-111
NR Band n66 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.38	0	0.0	
	1	67	20.48		0.0	
	1	131	20.18		0.0	
	64	0	20.48	0-1	0.0	
	64	35	20.58	0	0.0	
	64	69	20.38	0-1	0.0	
	128	0	20.44		0.0	
DFT-s-OFDM 16QAM	1	1	20.46	0-1	0.0	
CP-OFDM QPSK	1	1	20.26	0-1.5	0.0	

Table H-112
NR Band n66 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.27	20.33	20.20	0	0.0
	1	53	20.36	20.41	20.18		0.0
	1	104	20.38	20.16	20.07		0.0
	50	0	20.48	20.45	20.26	0-1	0.0
	50	28	20.48	20.49	20.33	0	0.0
	50	56	20.53	20.33	20.15	0-1	0.0
	100	0	20.47	20.45	20.24		0.0
DFT-s-OFDM 16QAM	1	1	20.46	20.46	20.26	0-1	0.0
CP-OFDM QPSK	1	1	20.25	20.26	20.11	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 62 of 131

Table H-113
NR Band n66 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.31	20.36	20.10	0	0.0
	1	40	20.33	20.40	20.07		0.0
	1	77	20.36	20.23	20.04		0.0
	36	0	20.50	20.47	20.21	0-1	0.0
	36	22	20.49	20.51	20.20	0	0.0
	36	43	20.43	20.40	20.06	0-1	0.0
	75	0	20.50	20.47	20.18		0.0
DFT-s-OFDM 16QAM	1	1	20.49	20.53	20.22	0-1	0.0
CP-OFDM QPSK	1	1	20.30	20.27	20.03	0-1.5	0.0

Table H-114
NR Band n66 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.35	20.35	20.22	0	0.0
	1	26	20.36	20.37	20.08		0.0
	1	50	20.37	20.36	20.10		0.0
	25	0	20.53	20.48	20.30	0-1	0.0
	25	14	20.52	20.48	20.30	0	0.0
	25	27	20.48	20.43	20.21	0-1	0.0
	50	0	20.51	20.43	20.26		0.0
DFT-s-OFDM 16QAM	1	1	20.61	20.44	20.34	0-1	0.0
CP-OFDM QPSK	1	1	20.35	20.29	20.15	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 63 of 131

Table H-115
NR Band n66 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.25	20.32	20.08	0	0.0
	1	13	20.22	20.35	20.10		0.0
	1	23	20.24	20.37	20.06		0.0
	12	0	20.44	20.50	20.27	0-1	0.0
	12	7	20.47	20.52	20.26	0	0.0
	12	13	20.40	20.48	20.22	0-1	0.0
	25	0	20.41	20.51	20.27		0.0
DFT-s-OFDM 16QAM	1	1	20.43	20.49	20.23	0-1	0.0
CP-OFDM QPSK	1	1	20.22	20.28	20.02	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 64 of 131

H.2.6 NR Band n25 Antenna B

Table H-116
NR Band n25 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.56	0	0.0
	1	80	24.73		0.0
	1	158	24.63		0.0
	80	0	24.29	0-1	1.0
	80	40	25.30	0	0.0
	80	80	24.23	0-1	1.0
	160	0	24.26		1.0
DFT-s-OFDM 16QAM	1	1	23.69	0-1	1.0
CP-OFDM QPSK	1	1	22.98	0-1.5	1.5

Table H-117
NR Band n25 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.57	0	0.0
	1	67	24.71		0.0
	1	131	24.57		0.0
	64	0	24.31	0-1	1.0
	64	35	25.27	0	0.0
	64	69	24.20	0-1	1.0
	128	0	24.24		1.0
DFT-s-OFDM 16QAM	1	1	23.70	0-1	1.0
CP-OFDM QPSK	1	1	22.98	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 65 of 131

Table H-118
NR Band n25 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.55	24.76	24.68	0	0.0
	1	53	24.61	24.76	24.45		0.0
	1	104	24.67	24.66	24.44		0.0
	50	0	24.18	24.36	24.25	0-1	1.0
	50	28	25.20	25.30	25.10	0	0.0
	50	56	24.24	24.26	24.09	0-1	1.0
	100	0	24.20	24.31	24.18		1.0
DFT-s-OFDM 16QAM	1	1	23.71	23.91	23.91	0-1	1.0
CP-OFDM QPSK	1	1	23.00	23.19	23.12	0-1.5	1.5

Table H-119
NR Band n25 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.61	24.78	24.58	0	0.0
	1	40	24.58	24.75	24.48		0.0
	1	77	24.66	24.64	24.50		0.0
	36	0	24.18	24.35	24.12	0-1	1.0
	36	22	25.18	25.29	25.07	0	0.0
	36	43	24.24	24.26	24.08	0-1	1.0
	75	0	24.20	24.31	24.08		1.0
DFT-s-OFDM 16QAM	1	1	23.71	23.89	23.73	0-1	1.0
CP-OFDM QPSK	1	1	23.01	23.18	22.98	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 66 of 131

Table H-120
NR Band n25 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.62	24.81	24.46	0	0.0
	1	26	24.61	24.78	24.45		0.0
	1	50	24.63	24.64	24.45		0.0
	25	0	24.21	24.35	24.11	0-1	1.0
	25	14	25.21	25.34	25.15	0	0.0
	25	27	24.23	24.32	24.12	0-1	1.0
	50	0	24.25	24.34	24.13		1.0
DFT-s-OFDM 16QAM	1	1	23.76	23.92	23.61	0-1	1.0
CP-OFDM QPSK	1	1	23.02	23.20	22.88	0-1.5	1.5

Table H-121
NR Band n25 Antenna B Measured P_{max} and/or P_{limit} for ECI = 1 (Head) – 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	24.52	24.74	24.41	0	0.0
	1	13	24.48	24.71	24.35		0.0
	1	23	24.50	24.63	24.37		0.0
	12	0	24.21	24.38	24.18	0-1	1.0
	12	7	25.18	25.31	25.16	0	0.0
	12	13	24.19	24.34	24.15	0-1	1.0
	25	0	24.17	24.32	24.14		1.0
DFT-s-OFDM 16QAM	1	1	23.67	23.86	23.65	0-1	1.0
CP-OFDM QPSK	1	1	22.92	23.12	22.85	0-1.5	1.5

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 67 of 131

Table H-122
NR Band n25 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.20	0	0.0
	1	80	20.31		0.0
	1	158	20.15		0.0
	80	0	20.38	0-1	0.0
	80	40	20.34	0	0.0
	80	80	20.24	0-1	0.0
	160	0	20.30		0.0
DFT-s-OFDM 16QAM	1	1	20.31	0-1	0.0
CP-OFDM QPSK	1	1	20.14	0-1.5	0.0

Table H-123
NR Band n25 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.18	0	0.0
	1	67	20.28		0.0
	1	131	20.09		0.0
	64	0	20.37	0-1	0.0
	64	35	20.32	0	0.0
	64	69	20.25	0-1	0.0
	128	0	20.33		0.0
DFT-s-OFDM 16QAM	1	1	20.31	0-1	0.0
CP-OFDM QPSK	1	1	20.13	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 68 of 131

Table H-124
NR Band n25 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.13	20.38	20.25	0	0.0
	1	53	20.12	20.34	19.97		0.0
	1	104	20.27	20.22	20.12		0.0
	50	0	20.17	20.39	20.26	0-1	0.0
	50	28	20.25	20.34	20.12	0	0.0
	50	56	20.24	20.27	20.13	0-1	0.0
	100	0	20.25	20.37	20.21		0.0
DFT-s-OFDM 16QAM	1	1	20.21	20.48	20.39	0-1	0.0
CP-OFDM QPSK	1	1	20.08	20.32	20.22	0-1.5	0.0

Table H-125
NR Band n25 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.16	20.36	20.14	0	0.0
	1	40	20.13	20.34	20.05		0.0
	1	77	20.21	20.15	20.09		0.0
	36	0	20.20	20.38	20.08	0-1	0.0
	36	22	20.24	20.33	20.12	0	0.0
	36	43	20.21	20.23	20.12	0-1	0.0
	75	0	20.22	20.34	20.16		0.0
DFT-s-OFDM 16QAM	1	1	20.23	20.46	20.26	0-1	0.0
CP-OFDM QPSK	1	1	20.10	20.31	20.07	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 69 of 131

Table H-126
NR Band n25 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.19	20.40	19.95	0	0.0
	1	26	20.17	20.36	20.12		0.0
	1	50	20.20	20.17	20.10		0.0
	25	0	20.25	20.41	20.08	0-1	0.0
	25	14	20.29	20.41	20.20	0	0.0
	25	27	20.28	20.33	20.17	0-1	0.0
	50	0	20.28	20.39	20.15		0.0
DFT-s-OFDM 16QAM	1	1	20.25	20.48	20.03	0-1	0.0
CP-OFDM QPSK	1	1	20.13	20.33	19.91	0-1.5	0.0

Table H-127
NR Band n25 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	20.13	20.33	20.09	0	0.0
	1	13	20.11	20.34	20.08		0.0
	1	23	20.12	20.23	20.07		0.0
	12	0	20.20	20.44	20.20	0-1	0.0
	12	7	20.24	20.34	20.23	0	0.0
	12	13	20.20	20.36	20.17	0-1	0.0
	25	0	20.23	20.41	20.22		0.0
DFT-s-OFDM 16QAM	1	1	20.17	20.45	20.16	0-1	0.0
CP-OFDM QPSK	1	1	20.06	20.29	20.02	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 70 of 131

H.2.7 NR Band n2 Antenna C

Table H-128
NR Band n2 Antenna C Measured P_{limit} for ECI = 1 (Head) – 30 MHz Bandwidth

NR Band n2 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376000 (1880 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.94	0	0.0
	1	80	22.04		0.0
	1	158	21.88		0.0
	80	0	22.10	0-1	0.0
	80	40	22.12	0	0.0
	80	80	21.96	0-1	0.0
	160	0	22.04		0.0
DFT-s-OFDM 16QAM	1	1	22.06	0-1	0.0
CP-OFDM QPSK	1	1	21.86	0-1.5	0.0

Table H-129
NR Band n2 Antenna C Measured P_{limit} for ECI = 1 (Head) – 25 MHz Bandwidth

NR Band n2 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376000 (1880 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.88	0	0.0
	1	67	21.99		0.0
	1	131	21.85		0.0
	64	0	21.96	0-1	0.0
	64	35	22.08	0	0.0
	64	69	21.89	0-1	0.0
	128	0	21.92		0.0
DFT-s-OFDM 16QAM	1	1	21.97	0-1	0.0
CP-OFDM QPSK	1	1	21.77	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 71 of 131

Table H-130
NR Band n2 Antenna C Measured P_{limit} for ECI = 1 (Head) – 20 MHz Bandwidth

NR Band n2 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376000 (1880 MHz)	380000 (1900 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.73	22.00	21.64	0	0.0
	1	53	21.62	22.01	21.48		0.0
	1	104	21.72	21.92	21.54		0.0
	50	0	21.80	21.98	21.63	0-1	0.0
	50	28	21.70	22.05	21.63	0	0.0
	50	56	21.76	21.94	21.46	0-1	0.0
	100	0	21.77	22.02	21.59		0.0
DFT-s-OFDM 16QAM	1	1	21.91	22.12	21.79	0-1	0.0
CP-OFDM QPSK	1	1	21.67	21.94	21.60	0-1.5	0.0

Table H-131
NR Band n2 Antenna C Measured P_{limit} for ECI = 1 (Head) – 15 MHz Bandwidth

NR Band n2 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376000 (1880 MHz)	380500 (1902.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.73	22.00	21.60	0	0.0
	1	40	21.63	21.99	21.42		0.0
	1	77	21.71	21.97	21.50		0.0
	36	0	21.80	22.06	21.58	0-1	0.0
	36	22	21.68	22.03	21.47	0	0.0
	36	43	21.72	21.97	21.43	0-1	0.0
	75	0	21.82	22.05	21.53		0.0
DFT-s-OFDM 16QAM	1	1	21.97	22.12	21.69	0-1	0.0
CP-OFDM QPSK	1	1	21.71	21.94	21.49	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 72 of 131

Table H-132
NR Band n2 Antenna C Measured P_{limit} for ECI = 1 (Head) – 10 MHz Bandwidth

NR Band n2 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376000 (1880 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.76	21.98	21.57	0	0.0
	1	26	21.66	21.99	21.48		0.0
	1	50	21.68	21.94	21.57		0.0
	25	0	21.87	22.05	21.62	0-1	0.0
	25	14	21.81	22.09	21.62	0	0.0
	25	27	21.75	22.05	21.57	0-1	0.0
	50	0	21.79	22.04	21.59		0.0
DFT-s-OFDM 16QAM	1	1	21.97	22.12	21.68	0-1	0.0
CP-OFDM QPSK	1	1	21.74	21.93	21.51	0-1.5	0.0

Table H-133
NR Band n2 Antenna C Measured P_{limit} for ECI = 1 (Head) – 5 MHz Bandwidth

NR Band n2 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376000 (1880 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	21.61	21.92	21.45	0	0.0
	1	13	21.53	21.90	21.40		0.0
	1	23	21.57	21.95	21.51		0.0
	12	0	21.74	22.07	21.62	0-1	0.0
	12	7	21.70	22.04	21.53	0	0.0
	12	13	21.70	22.03	21.53	0-1	0.0
	25	0	21.75	22.04	21.61		0.0
DFT-s-OFDM 16QAM	1	1	21.83	22.05	21.59	0-1	0.0
CP-OFDM QPSK	1	1	21.58	21.84	21.34	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 73 of 131

Table H-134

NR Band n2 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 30 MHz Bandwidth

NR Band n2 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376000 (1880 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.37	0	0.0
	1	80	20.49		0.0
	1	158	20.14		0.0
	80	0	20.54	0-1	0.0
	80	40	20.56	0	0.0
	80	80	20.38	0-1	0.0
	160	0	20.47		0.0
DFT-s-OFDM 16QAM	1	1	20.48	0-1	0.0
CP-OFDM QPSK	1	1	20.31	0-1.5	0.0

Table H-135

NR Band n2 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 25 MHz Bandwidth

NR Band n2 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376000 (1880 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.38	0	0.0
	1	67	20.48		0.0
	1	131	20.18		0.0
	64	0	20.48	0-1	0.0
	64	35	20.58	0	0.0
	64	69	20.38	0-1	0.0
	128	0	20.44		0.0
DFT-s-OFDM 16QAM	1	1	20.46	0-1	0.0
CP-OFDM QPSK	1	1	20.26	0-1.5	0.0

Table H-136

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 74 of 131

NR Band n2 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 20 MHz Bandwidth

NR Band n2 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376000 (1880 MHz)	380000 (1900 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.27	20.33	20.20	0	0.0
	1	53	20.36	20.41	20.18		0.0
	1	104	20.38	20.16	20.07		0.0
	50	0	20.48	20.45	20.26	0-1	0.0
	50	28	20.48	20.49	20.33	0	0.0
	50	56	20.53	20.33	20.15	0-1	0.0
	100	0	20.47	20.45	20.24		0.0
DFT-s-OFDM 16QAM	1	1	20.46	20.46	20.26	0-1	0.0
CP-OFDM QPSK	1	1	20.25	20.26	20.11	0-1.5	0.0

Table H-137

NR Band n2 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 15 MHz Bandwidth

NR Band n2 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376000 (1880 MHz)	380500 (1902.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.31	20.36	20.10	0	0.0
	1	40	20.33	20.40	20.07		0.0
	1	77	20.36	20.23	20.04		0.0
	36	0	20.50	20.47	20.21	0-1	0.0
	36	22	20.49	20.51	20.20	0	0.0
	36	43	20.43	20.40	20.06	0-1	0.0
	75	0	20.50	20.47	20.18		0.0
DFT-s-OFDM 16QAM	1	1	20.49	20.53	20.22	0-1	0.0
CP-OFDM QPSK	1	1	20.30	20.27	20.03	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 75 of 131

Table H-138
NR Band n2 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot)
and/or ECI = 3 (Earjack) – 10 MHz Bandwidth

NR Band n2 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376000 (1880 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.35	20.35	20.22	0	0.0
	1	26	20.36	20.37	20.08		0.0
	1	50	20.37	20.36	20.10		0.0
	25	0	20.53	20.48	20.30	0-1	0.0
	25	14	20.52	20.48	20.30	0	0.0
	25	27	20.48	20.43	20.21	0-1	0.0
	50	0	20.51	20.43	20.26		0.0
DFT-s-OFDM 16QAM	1	1	20.61	20.44	20.34	0-1	0.0
CP-OFDM QPSK	1	1	20.35	20.29	20.15	0-1.5	0.0

Table H-139
NR Band n2 Antenna C Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot)
and/or ECI = 3 (Earjack) – 5 MHz Bandwidth

NR Band n2 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376000 (1880 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	20.25	20.32	20.08	0	0.0
	1	13	20.22	20.35	20.10		0.0
	1	23	20.24	20.37	20.06		0.0
	12	0	20.44	20.50	20.27	0-1	0.0
	12	7	20.47	20.52	20.26	0	0.0
	12	13	20.40	20.48	20.22	0-1	0.0
	25	0	20.41	20.51	20.27		0.0
DFT-s-OFDM 16QAM	1	1	20.43	20.49	20.23	0-1	0.0
CP-OFDM QPSK	1	1	20.22	20.28	20.02	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 76 of 131

H.2.8 NR Band n41 Antenna B

Table H-140
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	17.93	18.18	0	0.0
	1	123	17.92	17.76		0.0
	1	243	18.15	17.81		0.0
	120	0	17.96	17.98	0-1	0.0
	120	63	18.01	17.87	0	0.0
	120	125	18.18	17.73	0-1	0.0
	243	0	18.06	17.85		0.0
DFT-s-OFDM 16QAM	1	1	17.75	17.90	0-1	0.0
CP-OFDM QPSK	1	1	17.97	18.17	0-1.5	0.0

Table H-141
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	17.94	18.12	0	0.0
	1	109	17.88	17.77		0.0
	1	215	18.08	17.87		0.0
	108	0	17.95	17.91	0-1	0.0
	108	55	17.97	17.88	0	0.0
	108	109	18.11	17.79	0-1	0.0
	216	0	17.99	17.81		0.0
DFT-s-OFDM 16QAM	1	1	17.78	17.88	0-1	0.0
CP-OFDM QPSK	1	1	17.97	18.13	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 77 of 131

Table H-142
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	18.05	18.23	0	0.0
	1	95	18.06	18.02		0.0
	1	187	18.17	18.03		0.0
	90	0	18.14	18.09	0-1	0.0
	90	50	18.12	18.04	0	0.0
	90	99	18.24	18.06	0-1	0.0
	180	0	18.17	18.07		0.0
DFT-s-OFDM 16QAM	1	1	17.87	17.97	0-1	0.0
CP-OFDM QPSK	1	1	18.15	18.30	0-1.5	0.0

Table H-143
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	18.13	17.88	18.10	0	0.0
	1	81	18.08	18.01	18.13		0.0
	1	160	18.16	17.90	17.98		0.0
	81	0	18.10	17.91	18.08	0-1	0.0
	81	41	18.13	17.94	18.15	0	0.0
	81	81	18.18	17.95	18.13	0-1	0.0
	162	0	18.13	17.94	18.08		0.0
DFT-s-OFDM 16QAM	1	1	17.83	17.69	17.85	0-1	0.0
CP-OFDM QPSK	1	1	18.13	17.96	18.15	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 78 of 131

Table H-144
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 50 MHz Bandwidth

NR Band n41 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	18.11	17.91	18.11	0	0.0
	1	67	18.17	17.99	18.20		0.0
	1	131	18.27	17.97	18.08		0.0
	64	0	18.24	18.10	18.32	0-1	0.0
	64	35	18.31	18.05	18.27	0	0.0
	64	69	18.38	17.99	18.15	0-1	0.0
	128	0	18.31	18.02	18.27		0.0
DFT-s-OFDM 16QAM	1	1	17.92	17.68	17.93	0-1	0.0
CP-OFDM QPSK	1	1	18.23	18.02	18.16	0-1.5	0.0

Table H-145
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 40 MHz Bandwidth

NR Band n41 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	18.06	18.05	18.24	17.91	0	0.0
	1	53	18.13	18.21	18.20	18.17		0.0
	1	104	18.01	18.22	17.94	18.01		0.0
	50	0	18.12	18.16	18.29	18.08	0-1	0.0
	50	28	18.15	18.21	18.21	18.09	0	0.0
	50	56	18.13	18.25	18.18	18.13	0-1	0.0
	100	0	18.11	18.18	18.23	18.12		0.0
DFT-s-OFDM 16QAM	1	1	17.81	17.79	18.03	17.66	0-1	0.0
CP-OFDM QPSK	1	1	18.06	18.10	18.30	17.94	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 79 of 131

Table H-146
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	18.07	17.96	17.85	18.12	17.94	0	0.0
	1	39	18.13	18.08	18.07	18.10	18.06		0.0
	1	76	18.05	18.18	17.94	17.89	17.97		0.0
	36	0	18.15	18.10	18.04	18.12	18.10	0-1	0.0
	36	21	18.11	18.11	17.99	18.00	18.02	0	0.0
	36	42	18.14	18.21	18.04	18.00	18.11	0-1	0.0
	75	0	18.12	18.12	18.00	18.01	18.13		0.0
DFT-s-OFDM 16QAM	1	1	17.85	17.73	17.64	17.90	17.73	0-1	0.0
CP-OFDM QPSK	1	1	18.19	18.06	17.89	18.22	18.01	0-1.5	0.0

Table H-147
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	18.11	18.08	17.92	18.00	18.08	0	0.0
	1	26	18.07	18.17	18.01	17.94	18.02		0.0
	1	49	18.09	18.22	17.97	17.91	18.02		0.0
	25	0	18.11	18.13	17.97	18.05	18.17	0-1	0.0
	25	13	18.07	18.17	18.01	18.05	18.15	0	0.0
	25	26	18.18	18.30	18.04	18.04	18.23	0-1	0.0
	50	0	18.10	18.16	18.28	18.00	18.16		0.0
DFT-s-OFDM 16QAM	1	1	17.91	17.84	17.65	17.87	17.87	0-1	0.0
CP-OFDM QPSK	1	1	18.14	18.12	17.88	18.12	18.17	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 80 of 131

Table H-148
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	18.16	18.11	17.95	18.05	18.07	0	0.0
	1	19	18.31	18.23	18.12	18.15	18.14		0.0
	1	36	18.17	18.22	17.92	17.96	18.08		0.0
	18	0	18.10	18.10	18.00	17.98	18.06	0-1	0.0
	18	10	18.12	18.18	18.01	17.97	18.11	0	0.0
	18	20	18.13	18.23	18.00	17.96	18.09	0-1	0.0
36	0	18.15	18.27	18.03	18.01	18.11	0.0		
DFT-s-OFDM 16QAM	1	1	17.90	17.88	17.72	17.84	17.84	0-1	0.0
CP-OFDM QPSK	1	1	18.20	18.07	17.98	18.06	18.08	0-1.5	0.0

Table H-149
NR Band n41 Antenna B Measured P_{limit} for ECI = 1 (Head) – 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	18.13	18.12	17.81	18.02	18.08	0	0.0
	1	12	18.25	18.33	18.20	18.17	18.25		0.0
	1	22	18.16	18.22	17.84	18.00	18.07		0.0
	12	0	18.10	18.12	18.06	18.00	18.09	0-1	0.0
	12	6	18.10	18.12	18.01	17.97	18.06	0	0.0
	12	12	18.14	18.21	18.06	17.99	18.08	0-1	0.0
24	0	18.09	18.13	17.79	17.95	18.07	0.0		
DFT-s-OFDM 16QAM	1	1	17.92	17.93	17.61	17.84	17.90	0-1	0.0
CP-OFDM QPSK	1	1	18.19	18.12	18.01	18.07	18.08	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 81 of 131

Table H-150
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	16.93	17.12	0	0.0
	1	123	16.94	16.76		0.0
	1	243	17.15	16.83		0.0
	120	0	16.95	16.97	0-1	0.0
	120	63	17.02	16.86	0	0.0
	120	125	17.16	16.72	0-1	0.0
	243	0	17.03	16.87		0.0
DFT-s-OFDM 16QAM	1	1	16.66	16.91	0-1	0.0
CP-OFDM QPSK	1	1	16.98	17.20	0-1.5	0.0

Table H-151
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	16.95	17.10	0	0.0
	1	109	16.88	16.76		0.0
	1	215	17.04	16.86		0.0
	108	0	16.93	16.88	0-1	0.0
	108	55	16.94	16.86	0	0.0
	108	109	17.08	16.80	0-1	0.0
	216	0	16.97	16.81		0.0
DFT-s-OFDM 16QAM	1	1	16.68	16.90	0-1	0.0
CP-OFDM QPSK	1	1	16.95	17.13	0-1.5	0.0

Table H-152
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.05	17.15	0	0.0
	1	95	17.03	16.96		0.0
	1	187	17.13	17.00		0.0
	90	0	17.12	17.02	0-1	0.0
	90	50	17.12	17.01	0	0.0
	90	99	17.21	17.02	0-1	0.0
	180	0	17.14	17.03		0.0
DFT-s-OFDM 16QAM	1	1	16.84	16.91	0-1	0.0
CP-OFDM QPSK	1	1	17.05	17.25	0-1.5	0.0

Table H-153
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.08	16.80	17.04	0	0.0
	1	81	16.97	16.77	17.03		0.0
	1	160	17.12	16.91	17.01		0.0
	81	0	17.10	16.87	17.04	0-1	0.0
	81	41	17.12	16.94	17.05	0	0.0
	81	81	17.14	16.96	17.06	0-1	0.0
	162	0	17.13	16.93	17.02		0.0
DFT-s-OFDM 16QAM	1	1	16.87	16.61	16.80	0-1	0.0
CP-OFDM QPSK	1	1	17.13	16.79	17.11	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 83 of 131

Table H-154
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 50 MHz Bandwidth

NR Band n41 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	17.06	16.88	17.02	0	0.0
	1	67	17.17	17.11	17.11		0.0
	1	131	17.18	16.97	17.01		0.0
	64	0	17.18	17.07	17.17	0-1	0.0
	64	35	17.23	17.11	17.18	0	0.0
	64	69	17.30	17.09	17.15	0-1	0.0
	128	0	17.25	17.08	17.17		0.0
DFT-s-OFDM 16QAM	1	1	16.81	16.65	16.76	0-1	0.0
CP-OFDM QPSK	1	1	17.07	16.90	17.00	0-1.5	0.0

Table H-155
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 40 MHz Bandwidth

NR Band n41 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	17.03	16.98	17.31	16.86	0	0.0
	1	53	16.98	17.23	17.24	16.98		0.0
	1	104	16.93	17.31	16.96	17.04		0.0
	50	0	17.05	17.11	17.29	17.00	0-1	0.0
	50	28	17.06	17.22	17.30	17.07	0	0.0
	50	56	17.05	17.25	17.16	17.06	0-1	0.0
	100	0	17.01	17.17	17.21	17.07		0.0
DFT-s-OFDM 16QAM	1	1	16.77	16.72	17.08	16.61	0-1	0.0
CP-OFDM QPSK	1	1	17.04	17.00	17.34	16.81	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 84 of 131

Table H-156
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.04	16.94	16.88	17.19	16.90	0	0.0
	1	39	17.05	17.10	17.10	16.97	17.03		0.0
	1	76	16.96	17.16	16.96	16.90	17.03		0.0
	36	0	17.06	17.04	17.06	17.10	17.00	0-1	0.0
	36	21	17.07	17.14	17.12	17.03	17.03	0	0.0
	36	42	17.06	17.16	17.08	16.96	17.07	0-1	0.0
	75	0	17.07	17.09	17.07	17.04	17.02		0.0
DFT-s-OFDM 16QAM	1	1	16.84	16.71	16.67	16.94	16.65	0-1	0.0
CP-OFDM QPSK	1	1	17.09	17.00	16.96	17.22	16.88	0-1.5	0.0

Table H-157
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.05	16.99	16.86	17.10	17.00	0	0.0
	1	26	17.07	17.10	17.05	17.05	17.10		0.0
	1	49	16.99	17.12	16.95	16.92	17.10		0.0
	25	0	17.08	17.07	16.95	17.10	17.12	0-1	0.0
	25	13	17.09	17.13	16.93	17.09	17.14	0	0.0
	25	26	17.08	17.14	16.96	17.04	17.17	0-1	0.0
	50	0	17.06	17.09	16.92	17.06	17.14		0.0
DFT-s-OFDM 16QAM	1	1	16.84	16.77	16.68	16.88	16.76	0-1	0.0
CP-OFDM QPSK	1	1	17.05	17.03	16.89	17.11	17.01	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 85 of 131

Table H-158
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.15	17.04	16.91	17.05	16.88	0	0.0
	1	19	17.20	17.12	17.16	17.07	17.01		0.0
	1	36	17.14	17.09	17.00	16.94	17.03		0.0
	18	0	17.16	17.05	17.03	17.06	16.97	0-1	0.0
	18	10	17.23	17.10	17.06	17.05	17.03	0	0.0
	18	20	17.17	17.11	17.04	16.99	17.05	0-1	0.0
36	0	17.16	17.10	17.08	17.08	17.07	0.0		
DFT-s-OFDM 16QAM	1	1	16.85	16.75	16.65	16.81	16.68	0-1	0.0
CP-OFDM QPSK	1	1	17.12	17.06	16.87	17.04	16.99	0-1.5	0.0

Table H-159
NR Band n41 Antenna B Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.12	17.06	16.80	17.03	17.01	0	0.0
	1	12	17.12	17.14	17.14	17.04	17.10		0.0
	1	22	17.09	17.11	16.89	16.97	17.07		0.0
	12	0	17.11	17.09	17.11	17.05	17.09	0-1	0.0
	12	6	17.15	17.09	17.13	17.04	17.10	0	0.0
	12	12	17.16	17.12	17.14	17.05	17.11	0-1	0.0
24	0	17.09	17.08	17.03	16.99	17.06	0.0		
DFT-s-OFDM 16QAM	1	1	16.86	16.83	16.59	16.82	16.77	0-1	0.0
CP-OFDM QPSK	1	1	17.09	17.04	16.84	17.06	17.03	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 86 of 131

H.2.9 NR Band n48 Antenna F

Table H-160
NR Band n48 Antenna F Measured P_{limit} for ECI = 1 (Head) – 30 MHz Bandwidth

NR Band n48 30 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637668 (3565.02 MHz)	640334 (3605.01 MHz)	643000 (3645 MHz)	645666 (3684.99 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	13.31	13.78	13.55	12.31	0	0.0
	1	39	13.87	13.69	13.16	12.23		0.0
	1	76	13.91	13.55	12.69	12.18		0.0
	36	0	13.63	13.80	13.47	12.28	0-1	0.0
	36	21	13.91	13.75	13.23	12.20	0	0.0
	36	42	13.89	13.66	12.90	12.23	0-1	0.0
	75	0	13.82	13.72	13.20	12.27		0.0
DFT-s-OFDM 16QAM	1	1	13.10	13.58	13.30	12.07	0-1	0.0
CP-OFDM QPSK	1	1	13.36	13.84	13.57	12.31	0-1.5	0.0

Table H-161
NR Band n48 Antenna F Measured P_{limit} for ECI = 1 (Head) –20 MHz Bandwidth

NR Band n48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637334 (3560.01 MHz)	640222 (3603.33 MHz)	643112 (3646.68 MHz)	646000 (3690 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	13.38	13.75	13.64	12.33	0	0.0
	1	26	13.67	13.62	13.18	12.35		0.0
	1	49	13.98	13.54	12.83	12.37		0.0
	25	0	13.51	13.77	13.47	12.37	0-1	0.0
	25	13	13.70	13.67	13.25	12.41	0	0.0
	25	26	13.82	13.65	13.02	12.39	0-1	0.0
	50	0	13.64	13.70	13.21	12.33		0.0
DFT-s-OFDM 16QAM	1	1	13.12	13.55	13.40	12.10	0-1	0.0
CP-OFDM QPSK	1	1	13.35	13.79	13.63	12.32	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 87 of 131

Table H-162
NR Band n48 Antenna F Measured P_{limit} for ECI = 1 (Head) – 15 MHz Bandwidth

NR Band n48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			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	13.40	13.89	13.51	12.35	0	0.0
	1	19	13.70	13.80	13.19	12.41		0.0
	1	36	13.83	13.74	12.90	12.34		0.0
	18	0	13.46	13.85	13.31	12.33	0-1	0.0
	18	10	13.63	13.80	13.11	12.29	0	0.0
	18	20	13.74	13.78	12.98	12.28	0-1	0.0
	36	0	13.63	13.90	13.17	12.38		0.0
DFT-s-OFDM 16QAM	1	1	13.14	13.68	13.25	12.12	0-1	0.0
CP-OFDM QPSK	1	1	13.39	13.94	13.50	12.36	0-1.5	0.0

Table H-163
NR Band n48 Antenna F Measured P_{limit} for ECI = 1 (Head) – 10 MHz Bandwidth

NR Band n48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637000 (3555 MHz)	640112 (3601.68 MHz)	643222 (3648.33 MHz)	646332 (3694.98 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	13.43	13.82	13.34	12.33	0	0.0
	1	12	13.64	13.87	13.20	12.55		0.0
	1	22	13.66	13.66	12.97	12.31		0.0
	12	0	13.52	13.87	13.28	12.38	0-1	0.0
	12	6	13.63	13.83	13.17	12.36	0	0.0
	12	12	13.68	13.80	13.09	12.35	0-1	0.0
	24	0	13.55	13.79	13.14	12.33		0.0
DFT-s-OFDM 16QAM	1	1	13.16	13.60	13.07	12.10	0-1	0.0
CP-OFDM QPSK	1	1	13.42	13.82	13.34	12.34	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 88 of 131

Table H-164
NR Band n48 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 30 MHz Bandwidth

NR Band n48 30 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637668 (3565.02 MHz)	640334 (3605.01 MHz)	643000 (3645 MHz)	645666 (3684.99 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	17.13	17.85	17.59	16.31	0	0.0
	1	39	17.67	17.70	17.16	16.22		0.0
	1	76	17.89	17.67	16.71	16.20		0.0
	36	0	17.38	17.86	17.50	16.30	0-1	0.0
	36	21	17.67	17.79	17.26	16.28	0	0.0
	36	42	17.82	17.72	16.92	16.24	0-1	0.0
	75	0	17.87	17.79	17.25	16.27		0.0
DFT-s-OFDM 16QAM	1	1	17.13	17.66	17.35	16.10	0-1	0.0
CP-OFDM QPSK	1	1	17.38	17.91	17.59	16.35	0-1.5	0.0

Table H-165
NR Band n48 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 20 MHz Bandwidth

NR Band n48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637334 (3560.01 MHz)	640222 (3603.33 MHz)	643112 (3646.68 MHz)	646000 (3690 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM QPSK	1	1	17.39	17.90	17.69	16.33	0	0.0
	1	26	17.70	17.79	17.22	16.39		0.0
	1	49	18.00	17.75	16.86	16.39		0.0
	25	0	17.59	17.96	17.49	16.40	0-1	0.0
	25	13	17.79	17.84	17.26	16.43	0	0.0
	25	26	17.91	17.84	17.08	16.41	0-1	0.0
	50	0	17.73	17.91	17.30	16.42		0.0
DFT-s-OFDM 16QAM	1	1	17.19	17.70	17.44	16.12	0-1	0.0
CP-OFDM QPSK	1	1	17.39	17.93	17.65	16.33	0-1.5	0.0

Table H-166
NR Band n48 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.45	17.95	17.53	16.37	0	0.0
	1	19	17.72	17.87	17.27	16.42		0.0
	1	36	17.88	17.82	16.95	16.38		0.0
	18	0	17.54	17.93	17.36	16.38	0-1	0.0
	18	10	17.64	17.91	17.20	16.40	0	0.0
	18	20	17.78	17.87	17.06	16.35	0-1	0.0
	36	0	17.68	17.94	17.27	16.38		0.0
DFT-s-OFDM 16QAM	1	1	17.17	17.72	17.29	16.13	0-1	0.0
CP-OFDM QPSK	1	1	17.42	17.96	17.52	16.34	0-1.5	0.0

Table H-167
NR Band n48 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	17.41	17.91	17.36	16.35	0	0.0
	1	12	17.65	17.97	17.26	16.51		0.0
	1	22	17.70	17.79	16.97	16.35		0.0
	12	0	17.55	17.98	17.27	16.43	0-1	0.0
	12	6	17.67	17.97	17.21	16.44	0	0.0
	12	12	17.70	17.95	17.09	16.42	0-1	0.0
	24	0	17.58	17.90	17.10	16.38		0.0
DFT-s-OFDM 16QAM	1	1	17.20	17.71	17.04	16.15	0-1	0.0
CP-OFDM QPSK	1	1	17.41	17.86	17.23	16.38	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 90 of 131

H.2.10 NR Band n48 Antenna E, H, G

Table H-168

NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 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 #1 Ant E	11.99	11.76	11.14	10.35
SRS #2 Ant H	9.29	8.98	8.38	7.21
SRS #3 Ant G	9.65	9.51	9.06	8.10

Table H-169

NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 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 #1 Ant E	11.72	11.56	10.76	10.21
SRS #2 Ant H	9.35	9.14	8.47	7.15
SRS #3 Ant G	9.28	9.38	8.83	8.13

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 91 of 131

Table H-170
NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 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 #1 Ant E	11.79	11.63	10.84	10.32
SRS #2 Ant H	9.33	9.19	8.54	7.14
SRS #3 Ant G	9.26	9.36	8.84	8.19

Table H-171
NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 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 #1 Ant E	11.87	11.86	11.02	10.71
SRS #2 Ant H	9.38	9.39	8.44	7.34
SRS #3 Ant G	9.34	9.47	8.96	8.32

Table H-172
NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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 #1 Ant E	14.98	14.68	14.15	13.26
SRS #2 Ant H	12.26	11.98	11.33	10.19
SRS #3 Ant G	12.64	12.48	11.98	11.11

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 92 of 131

Table H-173
NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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 #1 Ant E	14.75	14.60	13.83	13.23
SRS #2 Ant H	12.37	12.17	11.49	10.16
SRS #3 Ant G	12.30	12.39	11.83	11.15

Table H-174
NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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 #1 Ant E	14.73	14.68	13.88	13.29
SRS #2 Ant H	12.36	12.22	11.49	10.06
SRS #3 Ant G	12.27	12.41	11.85	11.15

Table H-175
NR Band n48 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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 #1 Ant E	14.85	14.86	14.04	13.64
SRS #2 Ant H	12.35	12.41	11.54	10.21
SRS #3 Ant G	12.29	12.48	11.94	11.36

H.2.11 NR Band n77 DoD Antenna F

Table H-176
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.81	0	0.0
	1	123	13.56		0.0
	1	243	14.26		0.0
	120	0	13.58	0-1	0.0
	120	63	13.61	0	0.0
	120	125	13.96	0-1	0.0
	243	0	13.74		0.0
DFT-s-OFDM 16QAM	1	1	13.55	0-1	0.0
CP-OFDM QPSK	1	1	13.84	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 94 of 131

Table H-177
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.76	0	0.0
	1	109	13.56		0.0
	1	215	14.21		0.0
	108	0	13.56	0-1	0.0
	108	55	13.57	0	0.0
	108	109	13.90	0-1	0.0
	216	0	13.72		0.0
DFT-s-OFDM 16QAM	1	1	13.53	0-1	0.0
CP-OFDM QPSK	1	1	13.76	0-1.5	0.0

Table H-178
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head)– 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	13.60	0	0.0
	1	95	13.52		0.0
	1	187	14.05		0.0
	90	0	13.50	0-1	0.0
	90	50	13.54	0	0.0
	90	99	13.83	0-1	0.0
	180	0	13.67		0.0
DFT-s-OFDM 16QAM	1	1	13.58	0-1	0.0
CP-OFDM QPSK	1	1	13.65	0-1.5	0.0

Table H-179
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 60 MHz Bandwidth

NR Band n77 DoD 60 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	13.68	0	0.0
	1	81	13.51		0.0
	1	160	13.97		0.0
	81	0	13.53	0-1	0.0
	81	41	13.52	0	0.0
	81	81	13.79	0-1	0.0
	162	0	13.60		0.0
DFT-s-OFDM 16QAM	1	1	13.55	0-1	0.0
CP-OFDM QPSK	1	1	13.60	0-1.5	0.0

Table H-180
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.65	0	0.0
	1	67	13.50		0.0
	1	131	14.01		0.0
	64	0	13.54	0-1	0.0
	64	35	13.54	0	0.0
	64	69	13.80	0-1	0.0
	128	0	13.61		0.0
DFT-s-OFDM 16QAM	1	1	13.53	0-1	0.0
CP-OFDM QPSK	1	1	13.64	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 96 of 131

Table H-181
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.72	0	0.0
	1	53	13.62		0.0
	1	104	13.97		0.0
	50	0	13.60	0-1	0.0
	50	28	13.68	0	0.0
	50	56	13.87	0-1	0.0
	100	0	13.67		0.0
DFT-s-OFDM 16QAM	1	1	13.53	0-1	0.0
CP-OFDM QPSK	1	1	13.70	0-1.5	0.0

Table H-182
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.71	0	0.0
	1	39	13.66		0.0
	1	76	14.10		0.0
	36	0	13.58	0-1	0.0
	36	21	13.69	0	0.0
	36	42	13.80	0-1	0.0
	75	0	13.63		0.0
DFT-s-OFDM 16QAM	1	1	13.56	0-1	0.0
CP-OFDM QPSK	1	1	13.77	0-1.5	0.0

Table H-183
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.71	0	0.0
	1	33	13.66		0.0
	1	63	13.98		0.0
	32	0	13.55	0-1	0.0
	32	17	13.66	0	0.0
	32	33	13.77	0-1	0.0
	64	0	13.69		0.0
DFT-s-OFDM 16QAM	1	1	13.53	0-1	0.0
CP-OFDM QPSK	1	1	13.72	0-1.5	0.0

Table H-184
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.77	0	0.0
	1	26	13.68		0.0
	1	49	13.96		0.0
	25	0	13.65	0-1	0.0
	25	13	13.72	0	0.0
	25	26	13.75	0-1	0.0
	50	0	13.71		0.0
DFT-s-OFDM 16QAM	1	1	13.58	0-1	0.0
CP-OFDM QPSK	1	1	13.75	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 98 of 131

Table H-185
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.76	0	0.0
	1	19	13.67		0.0
	1	36	14.01		0.0
	18	0	13.58	0-1	0.0
	18	10	13.61	0	0.0
	18	20	13.71	0-1	0.0
	36	0	13.64		0.0
DFT-s-OFDM 16QAM	1	1	13.52	0-1	0.0
CP-OFDM QPSK	1	1	13.74	0-1.5	0.0

Table H-186
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.76	0	0.0
	1	12	13.79		0.0
	1	22	13.98		0.0
	12	0	13.66	0-1	0.0
	12	6	13.70	0	0.0
	12	12	13.75	0-1	0.0
	24	0	13.63		0.0
DFT-s-OFDM 16QAM	1	1	13.53	0-1	0.0
CP-OFDM QPSK	1	1	13.73	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 99 of 131

Table H-187
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.71	0	0.0
	1	123	14.57		0.0
	1	243	15.16		0.0
	120	0	14.56	0-1	0.0
	120	63	14.62	0	0.0
	120	125	14.96	0-1	0.0
	243	0	14.76		0.0
DFT-s-OFDM 16QAM	1	1	14.57	0-1	0.0
CP-OFDM QPSK	1	1	14.81	0-1.5	0.0

Table H-188
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.76	0	0.0
	1	109	14.55		0.0
	1	215	15.23		0.0
	108	0	14.56	0-1	0.0
	108	55	14.55	0	0.0
	108	109	14.88	0-1	0.0
	216	0	14.69		0.0
DFT-s-OFDM 16QAM	1	1	14.54	0-1	0.0
CP-OFDM QPSK	1	1	14.77	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 100 of 131

Table H-189
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.61	0	0.0
	1	95	14.56		0.0
	1	187	15.06		0.0
	90	0	14.55	0-1	0.0
	90	50	14.50	0	0.0
	90	99	14.81	0-1	0.0
	180	0	14.63		0.0
DFT-s-OFDM 16QAM	1	1	14.57	0-1	0.0
CP-OFDM QPSK	1	1	14.64	0-1.5	0.0

Table H-190
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.62	0	0.0
	1	81	14.55		0.0
	1	160	14.94		0.0
	81	0	14.53	0-1	0.0
	81	41	14.52	0	0.0
	81	81	14.73	0-1	0.0
	162	0	14.57		0.0
DFT-s-OFDM 16QAM	1	1	14.51	0-1	0.0
CP-OFDM QPSK	1	1	14.63	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 101 of 131

Table H-191
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.65	0	0.0
	1	67	14.52		0.0
	1	131	15.03		0.0
	64	0	14.53	0-1	0.0
	64	35	14.57	0	0.0
	64	69	14.81	0-1	0.0
	128	0	14.62		0.0
DFT-s-OFDM 16QAM	1	1	14.55	0-1	0.0
CP-OFDM QPSK	1	1	14.62	0-1.5	0.0

Table H-192
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.68	0	0.0
	1	53	14.61		0.0
	1	104	14.93		0.0
	50	0	14.58	0-1	0.0
	50	28	14.65	0	0.0
	50	56	14.84	0-1	0.0
	100	0	14.68		0.0
DFT-s-OFDM 16QAM	1	1	14.54	0-1	0.0
CP-OFDM QPSK	1	1	14.71	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 102 of 131

Table H-193
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.78	0	0.0
	1	39	14.67		0.0
	1	76	14.88		0.0
	36	0	14.58	0-1	0.0
	36	21	14.67	0	0.0
	36	42	14.78	0-1	0.0
	75	0	14.67		0.0
DFT-s-OFDM 16QAM	1	1	14.51	0-1	0.0
CP-OFDM QPSK	1	1	14.80	0-1.5	0.0

Table H-194
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.74	0	0.0
	1	33	14.60		0.0
	1	63	14.72		0.0
	32	0	14.55	0-1	0.0
	32	17	14.62	0	0.0
	32	33	14.71	0-1	0.0
	64	0	14.66		0.0
DFT-s-OFDM 16QAM	1	1	14.52	0-1	0.0
CP-OFDM QPSK	1	1	14.70	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 103 of 131

Table H-195
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.68	0	0.0
	1	26	14.65		0.0
	1	49	14.79		0.0
	25	0	14.62	0-1	0.0
	25	13	14.72	0	0.0
	25	26	14.78	0-1	0.0
	50	0	14.69		0.0
DFT-s-OFDM 16QAM	1	1	14.52	0-1	0.0
CP-OFDM QPSK	1	1	14.66	0-1.5	0.0

Table H-196
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.78	0	0.0
	1	19	14.71		0.0
	1	36	14.75		0.0
	18	0	14.55	0-1	0.0
	18	10	14.59	0	0.0
	18	20	14.67	0-1	0.0
	36	0	14.70		0.0
DFT-s-OFDM 16QAM	1	1	14.58	0-1	0.0
CP-OFDM QPSK	1	1	14.73	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 104 of 131

Table H-197
NR Band n77 DoD Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 10 MHz Bandwidth

NR Band n77 DoD 10 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	14.75	0	0.0
	1	12	14.82		0.0
	1	22	14.70		0.0
	12	0	14.64	0-1	0.0
	12	6	14.70	0	0.0
	12	12	14.75	0-1	0.0
	24	0	14.64		0.0
DFT-s-OFDM 16QAM	1	1	14.55	0-1	0.0
CP-OFDM QPSK	1	1	14.77	0-1.5	0.0

H.2.12 NR Band n77 DoD Antenna E, H, G

Table H-198
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 90 MHz Bandwidth

NR Band n77 DoD 90 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.04
SRS #3 Ant H	8.46
SRS #4 Ant G	8.76

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 105 of 131

Table H-199
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 80 MHz Bandwidth

NR Band n77 DoD 80 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.08
SRS #3 Ant H	8.47
SRS #4 Ant G	8.68

Table H-200
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 70 MHz Bandwidth

NR Band n77 DoD 70 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.05
SRS #3 Ant H	8.45
SRS #4 Ant G	8.74

Table H-201
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 60 MHz Bandwidth

NR Band n77 DoD 60 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.06
SRS #3 Ant H	8.46
SRS #4 Ant G	8.80

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 106 of 131

Table H-202

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 50 MHz Bandwidth

NR Band n77 DoD 50 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #1 Ant E	11.13
SRS #2 Ant H	8.53
SRS #3 Ant G	8.84

Table H-203

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 40 MHz Bandwidth

NR Band n77 DoD 40 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.13
SRS #3 Ant H	8.51
SRS #4 Ant G	8.96

Table H-204

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 30 MHz Bandwidth

NR Band n77 DoD 30 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.15
SRS #3 Ant H	8.48
SRS #4 Ant G	8.98

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 107 of 131

Table H-205

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 25 MHz Bandwidth

NR Band n77 DoD 25 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.12
SRS #3 Ant H	8.49
SRS #4 Ant G	8.87

Table H-206

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 20 MHz Bandwidth

NR Band n77 DoD 20 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.09
SRS #3 Ant H	8.45
SRS #4 Ant G	8.86

Table H-207

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 15 MHz Bandwidth

NR Band n77 DoD 15 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	11.08
SRS #3 Ant H	8.44
SRS #4 Ant G	8.99

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 108 of 131

Table H-208
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 10 MHz Bandwidth

NR Band n77 DoD 10 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #1 Ant E	11.17
SRS #2 Ant H	8.51
SRS #3 Ant G	9.13

Table H-209
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 90 MHz Bandwidth

NR Band n77 DoD 90 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.05
SRS #3 Ant H	8.79
SRS #4 Ant G	9.82

Table H-210
NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 80 MHz Bandwidth

NR Band n77 DoD 80 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.07
SRS #3 Ant H	8.77
SRS #4 Ant G	9.74

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 109 of 131

Table H-211

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 70 MHz Bandwidth

NR Band n77 DoD 70 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.08
SRS #3 Ant H	8.77
SRS #4 Ant G	9.75

Table H-212

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 60 MHz Bandwidth

NR Band n77 DoD 60 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.08
SRS #3 Ant H	8.73
SRS #4 Ant G	9.78

Table H-213

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 50 MHz Bandwidth

NR Band n77 DoD 50 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #1 Ant E	12.12
SRS #2 Ant H	8.85
SRS #3 Ant G	9.83

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 110 of 131

Table H-214

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 40 MHz Bandwidth

NR Band n77 DoD 40 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.12
SRS #3 Ant H	8.82
SRS #4 Ant G	9.84

Table H-215

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 30 MHz Bandwidth

NR Band n77 DoD 30 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.13
SRS #3 Ant H	8.80
SRS #4 Ant G	9.80

Table H-216

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 25 MHz Bandwidth

NR Band n77 DoD 25 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.13
SRS #3 Ant H	8.78
SRS #4 Ant G	9.87

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 111 of 131

Table H-217

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 20 MHz Bandwidth

NR Band n77 DoD 20 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.08
SRS #3 Ant H	8.78
SRS #4 Ant G	9.83

Table H-218

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 15 MHz Bandwidth

NR Band n77 DoD 15 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant E	12.17
SRS #3 Ant H	8.83
SRS #4 Ant G	9.88

Table H-219

NR Band n77 DoD Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 10 MHz Bandwidth

NR Band n77 DoD 10 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #1 Ant E	12.24
SRS #2 Ant H	8.97
SRS #3 Ant G	10.01

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 112 of 131

H.2.13 NR Band n77 Antenna F

Table H-220
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.82	14.55	0	0.0
	1	123	14.30	14.79		0.0
	1	243	14.72	14.66		0.0
	120	0	13.99	14.74	0-1	0.0
	120	63	14.32	14.87	0	0.0
	120	125	14.66	14.84	0-1	0.0
	243	0	14.31	14.78		0.0
DFT-s-OFDM 16QAM	1	1	13.75	14.38	0-1	0.0
CP-OFDM QPSK	1	1	13.80	14.53	0-1.5	0.0

Table H-221
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.85	14.56	0	0.0
	1	109	14.36	14.78		0.0
	1	215	14.63	14.70		0.0
	108	0	14.03	14.70	0-1	0.0
	108	55	14.34	14.81	0	0.0
	108	109	14.61	14.83	0-1	0.0
	216	0	14.36	14.78		0.0
DFT-s-OFDM 16QAM	1	1	13.68	14.33	0-1	0.0
CP-OFDM QPSK	1	1	13.87	14.56	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 113 of 131

Table H-222
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.85	14.52	0	0.0
	1	95	14.31	14.77		0.0
	1	187	14.67	14.67		0.0
	90	0	14.06	14.71	0-1	0.0
	90	50	14.37	14.82	0	0.0
	90	99	14.63	14.85	0-1	0.0
	180	0	14.28	14.78		0.0
DFT-s-OFDM 16QAM	1	1	13.70	14.34	0-1	0.0
CP-OFDM QPSK	1	1	13.82	14.61	0-1.5	0.0

Table H-223
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.81	14.56	0	0.0
	1	81	14.40	14.94		0.0
	1	160	14.65	14.86		0.0
	81	0	14.12	14.74	0-1	0.0
	81	41	14.35	14.86	0	0.0
	81	81	14.57	14.93	0-1	0.0
	162	0	14.36	14.81		0.0
DFT-s-OFDM 16QAM	1	1	13.70	14.34	0-1	0.0
CP-OFDM QPSK	1	1	13.83	14.57	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 114 of 131

Table H-224
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	13.98	14.67	0	0.0
	1	67	14.44	14.95		0.0
	1	131	14.70	14.91		0.0
	64	0	14.26	14.86	0-1	0.0
	64	35	14.49	14.95	0	0.0
	64	69	14.62	14.98	0-1	0.0
	128	0	14.44	14.90		0.0
DFT-s-OFDM 16QAM	1	1	13.74	14.42	0-1	0.0
CP-OFDM QPSK	1	1	14.01	14.67	0-1.5	0.0

Table H-225
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	14.07	14.66	0	0.0
	1	53	14.48	14.98		0.0
	1	104	14.74	14.94		0.0
	50	0	14.24	14.93	0-1	0.0
	50	28	14.40	14.97	0	0.0
	50	56	14.61	14.98	0-1	0.0
	100	0	14.43	14.86		0.0
DFT-s-OFDM 16QAM	1	1	13.81	14.47	0-1	0.0
CP-OFDM QPSK	1	1	14.05	14.71	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 115 of 131

Table H-226
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	14.07	14.74	0	0.0
	1	39	14.48	15.00		0.0
	1	76	14.69	15.01		0.0
	36	0	14.30	14.87	0-1	0.0
	36	21	14.48	14.95	0	0.0
	36	42	14.55	15.01	0-1	0.0
	75	0	14.37	14.94		0.0
DFT-s-OFDM 16QAM	1	1	13.91	14.52	0-1	0.0
CP-OFDM QPSK	1	1	14.10	14.77	0-1.5	0.0

Table H-227
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	14.08	14.70	0	0.0
	1	33	14.41	14.95		0.0
	1	63	14.48	14.91		0.0
	32	0	14.27	14.85	0-1	0.0
	32	17	14.36	14.91	0	0.0
	32	33	14.46	14.96	0-1	0.0
	64	0	14.40	14.90		0.0
DFT-s-OFDM 16QAM	1	1	13.85	14.47	0-1	0.0
CP-OFDM QPSK	1	1	14.07	14.67	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 116 of 131

Table H-228
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	14.10	14.86	0	0.0
	1	26	14.36	14.94		0.0
	1	49	14.48	14.99		0.0
	25	0	14.26	14.90	0-1	0.0
	25	13	14.42	14.95	0	0.0
	25	26	14.44	14.98	0-1	0.0
	50	0	14.31	14.92		0.0
DFT-s-OFDM 16QAM	1	1	13.93	14.58	0-1	0.0
CP-OFDM QPSK	1	1	14.11	14.77	0-1.5	0.0

Table H-229
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	14.07	14.82	0	0.0
	1	19	14.42	15.07		0.0
	1	36	14.40	14.94		0.0
	18	0	14.23	14.84	0-1	0.0
	18	10	14.33	14.89	0	0.0
	18	20	14.37	14.94	0-1	0.0
	36	0	14.29	14.91		0.0
DFT-s-OFDM 16QAM	1	1	13.92	14.54	0-1	0.0
CP-OFDM QPSK	1	1	14.08	14.75	0-1.5	0.0

Table H-230
NR Band n77 Antenna F Measured P_{limit} for ECI = 1 (Head) – 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	14.08	14.82	0	0.0
	1	12	14.49	15.01		0.0
	1	22	14.46	14.90		0.0
	12	0	14.37	14.95	0-1	0.0
	12	6	14.41	14.97	0	0.0
	12	12	14.51	15.03	0-1	0.0
	24	0	14.39	14.87		0.0
DFT-s-OFDM 16QAM	1	1	13.92	14.58	0-1	0.0
CP-OFDM QPSK	1	1	14.05	14.82	0-1.5	0.0

Table H-231
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.86	15.58	0	0.0
	1	123	15.26	15.82		0.0
	1	243	15.69	15.69		0.0
	120	0	15.00	15.71	0-1	0.0
	120	63	15.33	15.88	0	0.0
	120	125	15.65	15.81	0-1	0.0
	243	0	15.33	15.79		0.0
DFT-s-OFDM 16QAM	1	1	14.72	15.32	0-1	0.0
CP-OFDM QPSK	1	1	14.88	15.51	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 118 of 131

Table H-232
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.81	15.57	0	0.0
	1	109	15.30	15.80		0.0
	1	215	15.67	15.75		0.0
	108	0	15.06	15.74	0-1	0.0
	108	55	15.35	15.83	0	0.0
	108	109	15.67	15.86	0-1	0.0
	216	0	15.34	15.77		0.0
DFT-s-OFDM 16QAM	1	1	14.70	15.33	0-1	0.0
CP-OFDM QPSK	1	1	14.85	15.59	0-1.5	0.0

Table H-233
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.81	15.53	0	0.0
	1	95	15.34	15.77		0.0
	1	187	15.69	15.72		0.0
	90	0	15.09	15.71	0-1	0.0
	90	50	15.37	15.81	0	0.0
	90	99	15.62	15.83	0-1	0.0
	180	0	15.30	15.72		0.0
DFT-s-OFDM 16QAM	1	1	14.76	15.28	0-1	0.0
CP-OFDM QPSK	1	1	14.85	15.61	0-1.5	0.0

Table H-234
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.77	15.56	0	0.0
	1	81	15.35	16.02		0.0
	1	160	15.60	15.87		0.0
	81	0	15.08	15.76	0-1	0.0
	81	41	15.34	15.85	0	0.0
	81	81	15.56	15.94	0-1	0.0
	162	0	15.32	15.77		0.0
DFT-s-OFDM 16QAM	1	1	14.61	15.32	0-1	0.0
CP-OFDM QPSK	1	1	14.82	15.61	0-1.5	0.0

Table H-235
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	14.93	15.64	0	0.0
	1	67	15.44	15.90		0.0
	1	131	15.70	15.90		0.0
	64	0	15.24	15.85	0-1	0.0
	64	35	15.45	15.96	0	0.0
	64	69	15.64	15.99	0-1	0.0
	128	0	15.42	15.93		0.0
DFT-s-OFDM 16QAM	1	1	14.72	15.43	0-1	0.0
CP-OFDM QPSK	1	1	14.99	15.60	0-1.5	0.0

Table H-236
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	15.03	15.67	0	0.0
	1	53	15.50	15.88		0.0
	1	104	15.71	15.98		0.0
	50	0	15.22	15.86	0-1	0.0
	50	28	15.46	15.96	0	0.0
	50	56	15.58	15.99	0-1	0.0
	100	0	15.39	15.88		0.0
DFT-s-OFDM 16QAM	1	1	14.83	15.49	0-1	0.0
CP-OFDM QPSK	1	1	15.01	15.67	0-1.5	0.0

Table H-237
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	15.09	15.72	0	0.0
	1	39	15.49	16.06		0.0
	1	76	15.62	16.03		0.0
	36	0	15.28	15.87	0-1	0.0
	36	21	15.50	15.97	0	0.0
	36	42	15.58	16.02	0-1	0.0
	75	0	15.39	15.96		0.0
DFT-s-OFDM 16QAM	1	1	14.90	15.48	0-1	0.0
CP-OFDM QPSK	1	1	15.13	15.72	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 121 of 131

Table H-238
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	15.07	15.68	0	0.0
	1	33	15.38	15.91		0.0
	1	63	15.47	15.91		0.0
	32	0	15.25	15.87	0-1	0.0
	32	17	15.37	15.91	0	0.0
	32	33	15.47	15.98	0-1	0.0
	64	0	15.38	15.91		0.0
DFT-s-OFDM 16QAM	1	1	14.87	15.49	0-1	0.0
CP-OFDM QPSK	1	1	15.07	15.65	0-1.5	0.0

Table H-239
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	15.06	15.81	0	0.0
	1	26	15.34	15.91		0.0
	1	49	15.45	15.95		0.0
	25	0	15.24	15.89	0-1	0.0
	25	13	15.39	15.92	0	0.0
	25	26	15.42	15.95	0-1	0.0
	50	0	15.31	15.88		0.0
DFT-s-OFDM 16QAM	1	1	14.92	15.59	0-1	0.0
CP-OFDM QPSK	1	1	15.11	15.78	0-1.5	0.0

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 122 of 131

Table H-240
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	15.05	15.79	0	0.0
	1	19	15.36	15.97		0.0
	1	36	15.38	15.93		0.0
	18	0	15.21	15.82	0-1	0.0
	18	10	15.26	15.57	0	0.0
	18	20	15.34	15.94	0-1	0.0
	36	0	15.30	15.92		0.0
DFT-s-OFDM 16QAM	1	1	14.90	15.54	0-1	0.0
CP-OFDM QPSK	1	1	15.12	15.78	0-1.5	0.0

Table H-241
NR Band n77 Antenna F Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 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	15.06	15.80	0	0.0
	1	12	15.51	16.04		0.0
	1	22	15.43	15.92		0.0
	12	0	15.37	15.95	0-1	0.0
	12	6	15.45	15.97	0	0.0
	12	12	15.46	16.01	0-1	0.0
	24	0	15.37	15.88		0.0
DFT-s-OFDM 16QAM	1	1	14.97	15.59	0-1	0.0
CP-OFDM QPSK	1	1	15.05	15.82	0-1.5	0.0

H.2.14 NR Band n77 Antenna E, H, G

Table H-242
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.41	12.53
SRS #3 Ant H	7.96	8.63
SRS #4 Ant G	9.80	10.41

Table H-243
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.43	12.58
SRS #3 Ant H	7.98	8.61
SRS #4 Ant G	9.84	10.41

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 124 of 131

Table H-244
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 70 MHz Bandwidth

NR Band n77 70 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.46	12.54
SRS #3 Ant H	8.00	8.60
SRS #4 Ant G	9.85	10.44

Table H-245
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.51	12.63
SRS #3 Ant H	7.99	8.68
SRS #4 Ant G	9.90	10.45

Table H-246
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #1 Ant E	12.55	12.67
SRS #2 Ant H	8.03	8.74
SRS #3 Ant G	9.90	10.48

Table H-247
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.58	12.72
SRS #3 Ant H	8.02	8.78
SRS #4 Ant G	9.89	10.48

Table H-248
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 30 MHz Bandwidth

NR Band n77 30 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.56	12.78
SRS #3 Ant H	8.08	8.82
SRS #4 Ant G	9.93	10.43

Table H-249
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 25 MHz Bandwidth

NR Band n77 25 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.59	12.68
SRS #3 Ant H	8.05	8.74
SRS #4 Ant G	9.91	10.48

Table H-250
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.56	12.68
SRS #3 Ant H	8.03	8.77
SRS #4 Ant G	9.91	10.46

Table H-251
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 15 MHz Bandwidth

NR Band n77 15 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	12.70	12.75
SRS #3 Ant H	8.13	8.85
SRS #4 Ant G	9.95	10.40

Table H-252
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 1 (Head) – 10 MHz Bandwidth

NR Band n77 10 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #1 Ant E	12.72	12.78
SRS #2 Ant H	8.16	8.91
SRS #3 Ant G	10.00	10.45

Table H-253
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.47	13.55
SRS #3 Ant H	8.32	8.91
SRS #4 Ant G	10.84	11.49

Table H-254
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.44	13.56
SRS #3 Ant H	8.21	8.89
SRS #4 Ant G	10.83	11.39

Table H-255
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 70 MHz Bandwidth

NR Band n77 70 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.46	13.56
SRS #3 Ant H	8.33	8.88
SRS #4 Ant G	10.84	11.41

Table H-256
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.46	13.62
SRS #3 Ant H	8.42	9.02
SRS #4 Ant G	10.84	11.44

Table H-257
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #1 Ant E	13.54	13.70
SRS #2 Ant H	8.35	9.06
SRS #3 Ant G	10.95	11.45

Table H-258
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.52	13.71
SRS #3 Ant H	8.44	9.05
SRS #4 Ant G	10.91	11.48

FCC ID: A3LSMA156U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX H: Page 129 of 131

Table H-259
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 30 MHz Bandwidth

NR Band n77 30 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.57	13.79
SRS #3 Ant H	8.46	9.06
SRS #4 Ant G	10.97	11.48

Table H-260
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 25 MHz Bandwidth

NR Band n77 25 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.58	13.66
SRS #3 Ant H	8.38	9.06
SRS #4 Ant G	10.92	11.46

Table H-261
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.57	13.64
SRS #3 Ant H	8.36	9.04
SRS #4 Ant G	10.92	11.43

Table H-262
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 15 MHz Bandwidth

NR Band n77 15 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant E	13.58	13.81
SRS #3 Ant H	8.45	9.13
SRS #4 Ant G	10.97	11.49

Table H-263
NR Band n77 Antenna E, H, G Measured P_{limit} for ECI = 4 (Body-worn or Phablet) and/or ECI = 2 (Hotspot) and/or ECI = 3 (Earjack) – 10 MHz Bandwidth

NR Band n77 10 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #1 Ant E	13.70	13.84
SRS #2 Ant H	8.58	9.21
SRS #3 Ant G	11.01	11.43