

APPENDIX A: SAR TEST RESULTS FOR P_{LIMIT} CALCULATIONS

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
Data highlighted in blue was tested and provided by the manufacturer.

Table A-1
DSI = 2 P_{Limit} Calculations –UMTS 1750 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.								(W/kg)		
1712.40	1312	Right	Cheek	UMTS 1750	RMC	A	21.23	1:1	0.043	34.90	33.75
1712.40	1312	Right	Tilt	UMTS 1750	RMC	A	21.23	1:1	0.024	37.43	
1712.40	1312	Left	Cheek	UMTS 1750	RMC	A	21.23	1:1	0.056	33.75	
1712.40	1312	Left	Tilt	UMTS 1750	RMC	A	21.23	1:1	0.019	38.44	

Table A-2
DSI = 2 P_{Limit} Calculations – LTE Band 66 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.	High											(W/kg)		
1770.00	132572	High	Right	Cheek	LTE Band 66 (AWS)	A	20	QPSK	1	0	23.81	1:1	0.058	36.18	35.39
1770.00	132572	High	Right	Cheek	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.073	35.39	
1770.00	132572	High	Right	Cheek	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.043	35.60	
1770.00	132572	High	Right	Tilt	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.045	37.49	
1770.00	132572	High	Right	Tilt	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.035	36.49	
1770.00	132572	High	Left	Cheek	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.063	36.03	
1770.00	132572	High	Left	Cheek	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.036	36.37	
1770.00	132572	High	Left	Tilt	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.048	37.21	
1770.00	132572	High	Left	Tilt	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.023	38.31	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 1 of 15

Table A-3
DSI = 2 P_{Limit} Calculations – LTE Band 30 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
2310.00	27710	Mid	Right	Cheek	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.027	37.72	37.72
2310.00	27710	Mid	Right	Cheek	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.011	39.92	
2310.00	27710	Mid	Right	Tilt	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.006	44.25	
2310.00	27710	Mid	Right	Tilt	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.005	43.34	
2310.00	27710	Mid	Left	Cheek	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.018	39.48	
2310.00	27710	Mid	Left	Cheek	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.011	39.92	
2310.00	27710	Mid	Left	Tilt	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.007	43.58	
2310.00	27710	Mid	Left	Tilt	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.012	39.54	

Table A-4
DSI = 2 P_{Limit} Calculations – LTE Band 7 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
2510.00	20850	Low	Right	Cheek	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.023	39.98	39.98
2510.00	20850	Low	Right	Cheek	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.004	45.68	
2510.00	20850	Low	Right	Tilt	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.005	46.61	
2510.00	20850	Low	Right	Tilt	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.000	61.70	
2510.00	20850	Low	Left	Cheek	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.019	40.81	
2510.00	20850	Low	Left	Cheek	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.012	40.91	
2510.00	20850	Low	Left	Tilt	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.010	43.60	
2510.00	20850	Low	Left	Tilt	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.003	46.93	

Table A-5
DSI = 2 P_{Limit} Calculations – LTE Band 41 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
2680.00	41490	High	Right	Cheek	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	0.024	38.32	32.21
2680.00	41490	High	Right	Cheek	LTE Band 41	B	20	QPSK	50	50	23.17	1:1.58	0.017	38.88	
2680.00	41490	High	Right	Tilt	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	0.013	40.99	
2680.00	41490	High	Right	Tilt	LTE Band 41	B	20	QPSK	50	50	23.17	1:1.58	0.016	39.14	
2680.00	41490	High	Left	Cheek	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	0.098	32.21	
2680.00	41490	High	Left	Cheek	LTE Band 41	B	20	QPSK	50	50	23.17	1:1.58	0.078	32.27	
2680.00	41490	High	Left	Tilt	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	0.015	40.37	
2680.00	41490	High	Left	Tilt	LTE Band 41	B	20	QPSK	50	50	23.17	1:1.58	0.012	40.39	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 2 of 15

Table A-6
DSI = 2 P_{Limit} Calculations – NR Band n66 Antenna A Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	349000	Mid	Right	Cheek	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.024	39.74	36.87
1745.00	349000	Mid	Right	Cheek	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.031	38.81	
1745.00	349000	Mid	Right	Tilt	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.017	41.24	
1745.00	349000	Mid	Right	Tilt	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.019	40.93	
1745.00	349000	Mid	Left	Cheek	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.035	38.10	
1745.00	349000	Mid	Left	Cheek	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.037	38.04	
1745.00	349000	Mid	Left	Cheek	NR Band n66 (AWS)	A	40	CP-OFDM	QPSK	1	1	21.92	1:1	0.032	36.87	
1745.00	349000	Mid	Left	Tilt	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.007	45.09	
1745.00	349000	Mid	Left	Tilt	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.013	42.58	

Table A-7
DSI = 2 P_{Limit} Calculations – NR Band n30 Antenna B Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2310.00	462000	Mid	Right	Cheek	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.026	39.35	37.38
2310.00	462000	Mid	Right	Cheek	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.036	37.91	
2310.00	462000	Mid	Right	Cheek	NR Band n30	B	10	CP-OFDM	QPSK	1	1	22.00	1:1	0.029	37.38	
2310.00	462000	Mid	Right	Tilt	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.010	43.50	
2310.00	462000	Mid	Right	Tilt	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.012	42.68	
2310.00	462000	Mid	Left	Cheek	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.020	40.49	
2310.00	462000	Mid	Left	Cheek	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.022	40.05	
2310.00	462000	Mid	Left	Tilt	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.008	44.47	
2310.00	462000	Mid	Left	Tilt	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.009	43.93	

Table A-8
DSI = 2 P_{Limit} Calculations – NR Band n7 Antenna B Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2535.00	507000	Mid	Right	Cheek	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.032	39.22	38.66
2535.00	507000	Mid	Right	Cheek	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.031	39.23	
2535.00	507000	Mid	Right	Tilt	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.009	44.73	
2535.00	507000	Mid	Right	Tilt	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.010	44.14	
2535.00	507000	Mid	Left	Cheek	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.032	39.22	
2535.00	507000	Mid	Left	Cheek	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.034	38.83	
2535.00	507000	Mid	Left	Cheek	NR Band n7	B	40	CP-OFDM	QPSK	1	1	22.46	1:1	0.024	38.66	
2535.00	507000	Mid	Left	Tilt	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.010	44.27	
2535.00	507000	Mid	Left	Tilt	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.010	44.14	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 3 of 15

Table A-9
DSI = 2 P_{Limit} Calculations – NR Band n41 Head SAR

MEASUREMENT RESULTS													
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)											
2592.99	518598	Mid	Right	Cheek	NR Band n41	C	100	CW/SRS	10.28	1:1	0.014	28.82	25.51
2592.99	518598	Mid	Right	Tilt	NR Band n41	C	100	CW/SRS	10.28	1:1	0.012	29.49	
2592.99	518598	Mid	Left	Cheek	NR Band n41	C	100	CW/SRS	10.28	1:1	0.030	25.51	
2592.99	518598	Mid	Left	Tilt	NR Band n41	C	100	CW/SRS	10.28	1:1	0.008	31.25	

Table A-10
DSI = 0 P_{Limit} Calculations – UMTS Body-Worn SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	DUT Configuration	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.									(W/kg)			
1712.40	1312	back	15 mm	UMTS 1750	RMC	A	Open	24.33	1:1	0.637	26.29	26.29	
1732.40	1412	back	15 mm	UMTS 1750	RMC	A	Open	24.13	1:1	0.590	26.42		
1752.60	1513	back	15 mm	UMTS 1750	RMC	A	Open	24.22	1:1	0.570	26.66		
1712.40	1312	back	15 mm	UMTS 1750	RMC	A	Closed	24.33	1:1	0.184	31.68		

Table A-11
DSI = 0 P_{Limit} Calculations – LTE Band 66 (AWS) Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1720.00	132072	Low	back	15 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	23.69	1:1	0.636	25.66	25.66
1745.00	132322	Mid	back	15 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	23.58	1:1	0.540	26.26	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	24.02	1:1	0.633	26.01	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.93	1:1	0.405	25.86	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	24.02	1:1	0.145	32.41	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	50	21.93	1:1	0.086	32.59	

Table A-12
DSI = 0 P_{Limit} Calculations – LTE Band 30 Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2310.00	27710	Mid	back	15 mm	LTE Band 30	B	Open	10	QPSK	1	49	22.03	1:1	0.332	26.82	26.82
2310.00	27710	Mid	back	15 mm	LTE Band 30	B	Open	10	QPSK	25	0	20.33	1:1	0.212	27.07	
2310.00	27710	Mid	back	15 mm	LTE Band 30	B	Closed	10	QPSK	1	49	22.03	1:1	0.201	29.00	
2310.00	27710	Mid	back	15 mm	LTE Band 30	B	Closed	10	QPSK	25	0	20.33	1:1	0.117	29.65	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 4 of 15

Table A-13
DSI = 0 P_{Limit} Calculations – LTE Band 7 Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2510.00	20850	Low	back	15 mm	LTE Band 7	B	Open	20	QPSK	1	0	23.60	1:1	0.309	28.70	28.70
2510.00	20850	Low	back	15 mm	LTE Band 7	B	Open	20	QPSK	50	0	21.70	1:1	0.186	29.00	

Table A-14
DSI = 0 P_{Limit} Calculations – LTE Band 41 Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	15 mm	LTE Band 41	B	Open	20	QPSK	1	50	24.11	1:1.58	0.217	28.76	28.76
2680.00	41490	High	back	15 mm	LTE Band 41	B	Open	20	QPSK	50	50	23.17	1:1.58	0.173	28.81	

Table A-15
DSI = 0 P_{Limit} Calculations – NR Band n66 (AWS) Body-Worn SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)															
1745.00	349000	Mid	back	15 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.469	26.83	26.03
1745.00	349000	Mid	back	15 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.552	26.30	
1745.00	349000	Mid	back	15 mm	NR Band n66 (AWS)	A	Open	40	CP-OFDM	QPSK	1	1	21.92	1:1	0.388	26.03	
1745.00	349000	Mid	back	15 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.164	31.39	
1745.00	349000	Mid	back	15 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.166	31.52	
1745.00	349000	Mid	back	15 mm	NR Band n66 (AWS)	A	Closed	40	CP-OFDM	QPSK	1	1	21.92	1:1	0.123	31.02	

Table A-16
DSI = 0 P_{Limit} Calculations – NR Band n30 Body-Worn SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)															
2310.00	462000	Mid	back	15 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.322	28.42	28.18
2310.00	462000	Mid	back	15 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.279	29.01	
2310.00	462000	Mid	back	15 mm	NR Band n30	B	Open	10	CP-OFDM	QPSK	1	1	22.00	1:1	0.241	28.18	
2310.00	462000	Mid	back	15 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.217	30.14	
2310.00	462000	Mid	back	15 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.150	31.71	
2310.00	462000	Mid	back	15 mm	NR Band n30	B	Closed	10	CP-OFDM	QPSK	1	1	22.00	1:1	0.110	31.59	

Table A-17
DSI = 0 P_{Limit} Calculations – NR Band n7 Body-Worn SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)															
2535.00	507000	Mid	back	15 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.244	30.40	29.76
2535.00	507000	Mid	back	15 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.274	29.76	
2535.00	507000	Mid	back	15 mm	NR Band n7	B	Open	40	CP-OFDM	QPSK	1	1	22.46	1:1	0.183	29.84	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 5 of 15

Table A-18
DSI = 0 P_{Limit} Calculations – NR Band n41 Body-Worn SAR

MEASUREMENT RESULTS														
FREQUENCY			Side	Spacing	Mode	Antenna Config	DUT Configuration	Bandwidth [MHz]	Waveform	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Mid										(W/kg)		
2592.99	518598	Mid	back	15 mm	NR Band n41	C	Open	100	CW/SRS	10.28	1:1	0.012	29.49	29.49

Table A-19
DSI = 3 P_{Limit} Calculations – UMTS Hotspot SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	DUT Configuration	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.									(W/kg)			
1752.60	1513	back	10 mm	UMTS 1750	RMC	A	Open	19.30	1:1	0.366	23.67	20.78	
1752.60	1513	front	10 mm	UMTS 1750	RMC	A	Open	19.30	1:1	0.255	25.23		
1712.40	1312	bottom	10 mm	UMTS 1750	RMC	A	Open	19.12	1:1	0.510	22.04		
1732.40	1412	bottom	10 mm	UMTS 1750	RMC	A	Open	19.17	1:1	0.517	22.04		
1752.60	1513	bottom	10 mm	UMTS 1750	RMC	A	Open	19.30	1:1	0.526	22.09		
1752.60	1513	right	10 mm	UMTS 1750	RMC	A	Open	19.30	1:1	0.021	36.08		
1752.60	1513	left	10 mm	UMTS 1750	RMC	A	Open	19.30	1:1	0.092	29.66		
1752.60	1513	back	5 mm	UMTS 1750	RMC	A	Closed	19.30	1:1	0.547	21.92		
1752.60	1513	front	5 mm	UMTS 1750	RMC	A	Closed	19.30	1:1	0.062	31.38		
1712.40	1312	bottom	5 mm	UMTS 1750	RMC	A	Closed	19.12	1:1	0.634	21.10		
1732.40	1412	bottom	5 mm	UMTS 1750	RMC	A	Closed	19.17	1:1	0.618	21.26		
1752.60	1513	bottom	5 mm	UMTS 1750	RMC	A	Closed	19.30	1:1	0.712	20.78		
1752.60	1513	right	5 mm	UMTS 1750	RMC	A	Closed	19.30	1:1	0.035	33.86		
1752.60	1513	left	5 mm	UMTS 1750	RMC	A	Closed	19.30	1:1	0.269	25.00		

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 6 of 15

Table A-20
DSI = 3 P_{Limit} Calculations – LTE Band 66 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1770.00	132572	High	back	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	19.19	1:1	0.380	23.39	21.80
1770.00	132572	High	back	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.28	1:1	0.372	23.57	
1770.00	132572	High	front	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	19.19	1:1	0.308	24.30	
1770.00	132572	High	front	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.28	1:1	0.298	24.54	
1770.00	132572	High	bottom	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	19.19	1:1	0.459	22.57	
1770.00	132572	High	bottom	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.28	1:1	0.480	22.47	
1770.00	132572	High	right	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	19.19	1:1	0.035	33.75	
1770.00	132572	High	right	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.28	1:1	0.034	33.97	
1770.00	132572	High	left	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	50	19.19	1:1	0.086	29.85	
1770.00	132572	High	left	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.28	1:1	0.086	29.94	
1770.00	132572	High	back	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	50	19.19	1:1	0.350	23.75	
1770.00	132572	High	back	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.28	1:1	0.355	23.78	
1770.00	132572	High	front	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	50	19.19	1:1	0.136	27.85	
1770.00	132572	High	front	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.28	1:1	0.136	27.94	
1770.00	132572	High	bottom	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	50	19.19	1:1	0.548	21.80	
1770.00	132572	High	bottom	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.28	1:1	0.546	21.91	
1770.00	132572	High	right	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	50	19.19	1:1	0.040	33.17	
1770.00	132572	High	right	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.28	1:1	0.038	33.48	
1770.00	132572	High	left	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	50	19.19	1:1	0.223	25.71	
1770.00	132572	High	left	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.28	1:1	0.220	25.86	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 7 of 15

Table A-21
DSI = 3 P_{Limit} Calculations – LTE Band 30 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2310.00	27710	Mid	back	10 mm	LTE Band 30	B	Open	10	QPSK	1	49	17.26	1:1	0.272	22.91	17.97
2310.00	27710	Mid	back	10 mm	LTE Band 30	B	Open	10	QPSK	25	12	17.27	1:1	0.275	22.88	
2310.00	27710	Mid	front	10 mm	LTE Band 30	B	Open	10	QPSK	1	49	17.26	1:1	0.204	24.16	
2310.00	27710	Mid	front	10 mm	LTE Band 30	B	Open	10	QPSK	25	12	17.27	1:1	0.209	24.07	
2310.00	27710	Mid	bottom	10 mm	LTE Band 30	B	Open	10	QPSK	1	49	17.26	1:1	0.530	20.02	
2310.00	27710	Mid	bottom	10 mm	LTE Band 30	B	Open	10	QPSK	25	12	17.27	1:1	0.503	20.25	
2310.00	27710	Mid	left	10 mm	LTE Band 30	B	Open	10	QPSK	1	49	17.26	1:1	0.052	30.10	
2310.00	27710	Mid	left	10 mm	LTE Band 30	B	Open	10	QPSK	25	12	17.27	1:1	0.053	30.03	
2310.00	27710	Mid	back	5 mm	LTE Band 30	B	Closed	10	QPSK	1	49	17.26	1:1	0.395	21.29	
2310.00	27710	Mid	back	5 mm	LTE Band 30	B	Closed	10	QPSK	25	12	17.27	1:1	0.385	21.42	
2310.00	27710	Mid	front	5 mm	LTE Band 30	B	Closed	10	QPSK	1	49	17.26	1:1	0.056	29.78	
2310.00	27710	Mid	front	5 mm	LTE Band 30	B	Closed	10	QPSK	25	12	17.27	1:1	0.054	29.95	
2310.00	27710	Mid	bottom	5 mm	LTE Band 30	B	Closed	10	QPSK	1	49	17.26	1:1	0.849	17.97	
2310.00	27710	Mid	bottom	5 mm	LTE Band 30	B	Closed	10	QPSK	25	12	17.27	1:1	0.847	17.99	
2310.00	27710	Mid	bottom	5 mm	LTE Band 30	B	Closed	10	QPSK	50	0	17.14	1:1	0.823	17.99	
2310.00	27710	Mid	left	5 mm	LTE Band 30	B	Closed	10	QPSK	1	49	17.26	1:1	0.240	23.46	
2310.00	27710	Mid	left	5 mm	LTE Band 30	B	Closed	10	QPSK	25	12	17.27	1:1	0.237	23.52	

Table A-22
DSI = 3 P_{Limit} Calculations – LTE Band 7 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2560.00	21350	High	back	10 mm	LTE Band 7	B	Open	20	QPSK	1	99	18.33	1:1	0.138	26.93	24.66
2560.00	21350	High	back	10 mm	LTE Band 7	B	Open	20	QPSK	50	50	18.20	1:1	0.142	26.68	
2560.00	21350	High	front	10 mm	LTE Band 7	B	Open	20	QPSK	1	99	18.33	1:1	0.115	27.72	
2560.00	21350	High	front	10 mm	LTE Band 7	B	Open	20	QPSK	50	50	18.20	1:1	0.115	27.59	
2560.00	21350	High	bottom	10 mm	LTE Band 7	B	Open	20	QPSK	1	99	18.33	1:1	0.228	24.75	
2560.00	21350	High	bottom	10 mm	LTE Band 7	B	Open	20	QPSK	50	50	18.20	1:1	0.226	24.66	
2560.00	21350	High	left	10 mm	LTE Band 7	B	Open	20	QPSK	1	99	18.33	1:1	0.021	35.11	
2560.00	21350	High	left	10 mm	LTE Band 7	B	Open	20	QPSK	50	50	18.20	1:1	0.021	34.98	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 8 of 15

Table A-23
DSI = 3 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2593.00	40620	Mid	back	10 mm	LTE Band 41	B	Open	20	QPSK	1	50	20.10	1:1.58	0.173	25.74	22.34
2593.00	40620	Mid	back	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.12	1:1.58	0.170	25.83	
2593.00	40620	Mid	front	10 mm	LTE Band 41	B	Open	20	QPSK	1	50	20.10	1:1.58	0.125	27.15	
2593.00	40620	Mid	front	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.12	1:1.58	0.123	27.24	
2593.00	40620	Mid	bottom	10 mm	LTE Band 41	B	Open	20	QPSK	1	50	20.10	1:1.58	0.378	22.34	
2593.00	40620	Mid	bottom	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.12	1:1.58	0.380	22.34	
2593.00	40620	Mid	left	10 mm	LTE Band 41	B	Open	20	QPSK	1	50	20.10	1:1.58	0.025	34.14	
2593.00	40620	Mid	left	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.12	1:1.58	0.026	33.99	

Table A-24
DSI = 3 P_{Limit} Calculations – NR Band n66 Antenna A Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config.	DUT Configuration	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)															
1745.00	349000	Mid	back	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.257	24.13	20.46
1745.00	349000	Mid	back	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.277	23.86	
1745.00	349000	Mid	front	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.187	25.51	
1745.00	349000	Mid	front	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.198	25.31	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.371	22.54	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.397	22.29	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	A	Open	40	CP-OFDM	QPSK	1	1	17.94	1:1	0.439	21.52	
1745.00	349000	Mid	right	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.016	36.19	
1745.00	349000	Mid	right	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.017	35.98	
1745.00	349000	Mid	left	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.073	29.60	
1745.00	349000	Mid	left	10 mm	NR Band n66 (AWS)	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.078	29.36	
1745.00	349000	Mid	back	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.307	23.36	
1745.00	349000	Mid	back	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.317	23.27	
1745.00	349000	Mid	front	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.103	28.10	
1745.00	349000	Mid	front	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.110	27.87	
1745.00	349000	Mid	bottom	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.498	21.26	
1745.00	349000	Mid	bottom	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.512	21.19	
1745.00	349000	Mid	bottom	5 mm	NR Band n66 (AWS)	A	Closed	40	CP-OFDM	QPSK	1	1	17.94	1:1	0.560	20.46	
1745.00	349000	Mid	right	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.024	34.43	
1745.00	349000	Mid	right	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.029	33.66	
1745.00	349000	Mid	left	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.23	1:1	0.160	26.19	
1745.00	349000	Mid	left	5 mm	NR Band n66 (AWS)	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.28	1:1	0.166	26.08	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 9 of 15

Table A-25
DSI = 3 P_{Limit} Calculations – NR Band n30 Antenna B Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Side	Spacing	Mode	Antenna Config	DUT Configuration	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.													(W/kg)			
2310.00	462000	Mid	back	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.243	24.19	19.45
2310.00	462000	Mid	back	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.245	24.20	
2310.00	462000	Mid	front	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.204	24.95	
2310.00	462000	Mid	front	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.206	24.95	
2310.00	462000	Mid	bottom	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.519	20.90	
2310.00	462000	Mid	bottom	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.525	20.89	
2310.00	462000	Mid	bottom	10 mm	NR Band n30	B	Open	10	CP-OFDM	QPSK	1	1	18.22	1:1	0.509	21.15	
2310.00	462000	Mid	left	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.048	31.24	
2310.00	462000	Mid	left	10 mm	NR Band n30	B	Open	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.047	31.37	
2310.00	462000	Mid	back	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.338	22.76	
2310.00	462000	Mid	back	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.332	22.88	
2310.00	462000	Mid	front	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.059	30.34	
2310.00	462000	Mid	front	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.058	30.46	
2310.00	462000	Mid	bottom	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.724	19.45	
2310.00	462000	Mid	bottom	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.730	19.46	
2310.00	462000	Mid	bottom	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	50	0	18.04	1:1	0.712	19.52	
2310.00	462000	Mid	bottom	5 mm	NR Band n30	B	Closed	10	CP-OFDM	QPSK	1	1	18.22	1:1	0.719	19.65	
2310.00	462000	Mid	left	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	1	26	18.05	1:1	0.204	24.95	
2310.00	462000	Mid	left	5 mm	NR Band n30	B	Closed	10	DFT-S-OFDM	QPSK	25	14	18.09	1:1	0.202	25.04	

Table A-26
DSI = 3 P_{Limit} Calculations – NR Band n7 Antenna B Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Side	Spacing	Mode	Antenna Config	DUT Configuration	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.													(W/kg)			
2535.00	507000	Mid	back	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	1	108	19.71	1:1	0.242	25.87	22.13
2535.00	507000	Mid	back	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	108	108	19.86	1:1	0.235	26.15	
2535.00	507000	Mid	front	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	1	108	19.71	1:1	0.175	27.28	
2535.00	507000	Mid	front	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	108	108	19.86	1:1	0.167	27.63	
2535.00	507000	Mid	bottom	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	1	108	19.71	1:1	0.551	22.30	
2535.00	507000	Mid	bottom	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	108	108	19.86	1:1	0.528	22.63	
2535.00	507000	Mid	bottom	10 mm	NR Band n7	B	Open	40	CP-OFDM	QPSK	1	1	19.54	1:1	0.551	22.13	
2535.00	507000	Mid	left	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	1	108	19.71	1:1	0.060	31.93	
2535.00	507000	Mid	left	10 mm	NR Band n7	B	Open	40	DFT-S-OFDM	QPSK	108	108	19.86	1:1	0.050	32.87	

Table A-27
DSI = 3 P_{Limit} Calculations – NR Band n41 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	DUT Configuration	Bandwidth [MHz]	Waveform	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit			
MHz	Ch.										(W/kg)					
2592.99	518598	Mid	back	10 mm	NR Band n41	C	Open	100	CW/SRS	10.28	1:1	0.039	24.37	22.72		
2592.99	518598	Mid	front	10 mm	NR Band n41	C	Open	100	CW/SRS	10.28	1:1	0.027	25.97			
2592.99	518598	Mid	bottom	10 mm	NR Band n41	C	Open	100	CW/SRS	10.28	1:1	0.009	30.74			
2592.99	518598	Mid	left	10 mm	NR Band n41	C	Open	100	CW/SRS	10.28	1:1	0.057	22.72			

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 10 of 15

Table A-28
DSI = 0 P_{Limit} Calculations – UMTS Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1712.40	1312	back	8 mm	UMTS 1750	RMC	A	24.33	1:1	0.706	29.82	29.69
1712.40	1312	front	6 mm	UMTS 1750	RMC	A	24.33	1:1	0.727	29.69	
1712.40	1312	bottom	12 mm	UMTS 1750	RMC	A	24.33	1:1	0.643	30.23	
1712.40	1312	right	0 mm	UMTS 1750	RMC	A	24.33	1:1	0.171	35.98	
1712.40	1312	left	0 mm	UMTS 1750	RMC	A	24.33	1:1	0.504	31.29	

Table A-29
DSI = 0 P_{Limit} Calculations – LTE Band 66 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
1770.00	132572	High	back	8 mm	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.642	29.92	28.33
1770.00	132572	High	back	8 mm	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.390	30.00	
1770.00	132572	High	front	6 mm	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.927	28.33	
1770.00	132572	High	front	6 mm	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.557	28.45	
1770.00	132572	High	bottom	12 mm	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.440	31.56	
1770.00	132572	High	bottom	12 mm	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.282	31.41	
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.246	34.09	
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.149	34.18	
1770.00	132572	High	left	0 mm	LTE Band 66 (AWS)	A	20	QPSK	1	99	24.02	1:1	0.409	31.88	
1770.00	132572	High	left	0 mm	LTE Band 66 (AWS)	A	20	QPSK	50	50	21.93	1:1	0.245	32.02	

Table A-30
DSI = 0 P_{Limit} Calculations – LTE Band 30 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
2310.00	27710	Mid	back	8 mm	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.407	29.91	28.21
2310.00	27710	Mid	back	8 mm	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.255	30.24	
2310.00	27710	Mid	front	6 mm	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.466	29.33	
2310.00	27710	Mid	front	6 mm	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.290	29.69	
2310.00	27710	Mid	bottom	12 mm	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.531	28.76	
2310.00	27710	Mid	bottom	12 mm	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.322	29.23	
2310.00	27710	Mid	left	0 mm	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.473	29.26	
2310.00	27710	Mid	left	0 mm	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.407	28.21	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 11 of 15

Table A-31
DSI = 0 P_{Limit} Calculations – LTE Band 7 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
2510.00	20850	Low	back	8 mm	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.316	32.58	27.49
2510.00	20850	Low	back	8 mm	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.191	32.87	
2510.00	20850	Low	front	6 mm	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.369	31.91	
2510.00	20850	Low	front	6 mm	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.234	31.99	
2510.00	20850	Low	bottom	12 mm	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	0.482	30.75	
2510.00	20850	Low	bottom	12 mm	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.295	30.98	
2510.00	20850	Low	left	0 mm	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	1.020	27.49	
2510.00	20850	Low	left	0 mm	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.587	27.99	

Table A-32
DSI = 0 P_{Limit} Calculations – NR Band n66 Antenna A Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	349000	Mid	back	8 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.598	29.75	28.71
1745.00	349000	Mid	back	8 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.713	29.17	
1745.00	349000	Mid	front	6 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.631	29.52	
1745.00	349000	Mid	front	6 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.738	29.02	
1745.00	349000	Mid	front	6 mm	NR Band n66 (AWS)	A	40	CP-OFDM	QPSK	1	1	21.92	1:1	0.523	28.71	
1745.00	349000	Mid	bottom	12 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.648	29.40	
1745.00	349000	Mid	bottom	12 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.704	29.22	
1745.00	349000	Mid	right	0 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.148	35.82	
1745.00	349000	Mid	right	0 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.172	35.34	
1745.00	349000	Mid	left	0 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	1	214	23.54	1:1	0.494	30.58	
1745.00	349000	Mid	left	0 mm	NR Band n66 (AWS)	A	40	DFT-S-OFDM	QPSK	108	54	23.72	1:1	0.496	30.74	

Table A-33
DSI = 0 P_{Limit} Calculations – NR Band n30 Antenna B Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2310.00	462000	Mid	back	8 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.551	30.07	29.35
2310.00	462000	Mid	back	8 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.562	29.95	
2310.00	462000	Mid	front	6 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.616	29.58	
2310.00	462000	Mid	front	6 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.646	29.35	
2310.00	462000	Mid	bottom	12 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.598	29.71	
2310.00	462000	Mid	bottom	12 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.598	29.68	
2310.00	462000	Mid	left	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.586	29.80	
2310.00	462000	Mid	left	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.513	30.35	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 12 of 15

Table A-34
DSI = 0 P_{Limit} Calculations – NR Band n7 Antenna B Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2535.00	507000	Mid	back	8 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.351	32.80	27.57
2535.00	507000	Mid	back	8 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.416	31.93	
2535.00	507000	Mid	front	6 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.423	31.99	
2535.00	507000	Mid	front	6 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.424	31.85	
2535.00	507000	Mid	bottom	12 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	0.371	32.56	
2535.00	507000	Mid	bottom	12 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	0.467	31.43	
2535.00	507000	Mid	left	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	1.170	27.57	
2535.00	507000	Mid	left	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	1.070	27.83	

Table A-35
DSI = 1 P_{Limit} Calculations – LTE Band 30 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.	(W/kg)														
2310.00	27710	Mid	back	0 mm	LTE Band 30	B	10	QPSK	1	49	21.14	1:1	1.780	22.62	22.62	
2310.00	27710	Mid	back	0 mm	LTE Band 30	B	10	QPSK	25	12	20.33	1:1	1.380	22.91		
2310.00	27710	Mid	back	0 mm	LTE Band 30	B	10	QPSK	50	0	20.31	1:1	1.360	22.95		
2310.00	27710	Mid	front	0 mm	LTE Band 30	B	10	QPSK	1	49	21.14	1:1	0.997	25.13		
2310.00	27710	Mid	front	0 mm	LTE Band 30	B	10	QPSK	25	12	20.33	1:1	0.809	25.23		
2310.00	27710	Mid	bottom	0 mm	LTE Band 30	B	10	QPSK	1	49	21.14	1:1	1.220	24.26		
2310.00	27710	Mid	bottom	0 mm	LTE Band 30	B	10	QPSK	25	12	20.33	1:1	0.948	24.54		
2310.00	27710	Mid	left	0 mm	LTE Band 30	B	10	QPSK	1	49	22.03	1:1	0.473	29.26		
2310.00	27710	Mid	left	0 mm	LTE Band 30	B	10	QPSK	25	0	20.33	1:1	0.407	28.21		

Table A-36
DSI = 1 P_{Limit} Calculations – LTE Band 7 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.	(W/kg)														
2560.00	21350	High	back	0 mm	LTE Band 7	B	20	QPSK	1	99	21.31	1:1	0.798	26.27	24.36	
2560.00	21350	High	back	0 mm	LTE Band 7	B	20	QPSK	50	50	21.17	1:1	0.796	26.14		
2560.00	21350	High	front	0 mm	LTE Band 7	B	20	QPSK	1	99	21.31	1:1	0.470	28.57		
2560.00	21350	High	front	0 mm	LTE Band 7	B	20	QPSK	50	50	21.17	1:1	0.466	28.47		
2560.00	21350	High	bottom	0 mm	LTE Band 7	B	20	QPSK	1	99	21.31	1:1	1.180	24.57		
2560.00	21350	High	bottom	0 mm	LTE Band 7	B	20	QPSK	50	50	21.17	1:1	1.200	24.36		
2510.00	20850	Low	left	0 mm	LTE Band 7	B	20	QPSK	1	0	23.60	1:1	1.020	27.49		
2510.00	20850	Low	left	0 mm	LTE Band 7	B	20	QPSK	50	0	21.70	1:1	0.587	27.99		

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 13 of 15

Table A-37
DSI = 1 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
2680.00	41490	High	back	0 mm	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	1.540	24.23	23.12
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	0.966	26.26	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	1	0	23.55	1:1.58	1.720	23.19	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	99	23.98	1:1.58	1.720	23.62	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	23.95	1:1.58	1.760	23.49	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	24.01	1:1.58	1.680	23.75	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	24.11	1:1.58	1.770	23.63	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	22.43	1:1.58	1.350	23.12	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	22.90	1:1.58	1.400	23.43	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	23.09	1:1.58	1.420	23.56	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	0	23.10	1:1.58	1.360	23.76	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	23.17	1:1.58	1.380	23.77	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	100	0	23.04	1:1.58	1.370	23.67	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 14 of 15

Table A-38
DSI = 1 P_{Limit} Calculations – NR Band n30 Antenna B Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
2310.00	462000	Mid	back	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	26	21.59	1:1	1.760	23.11	23.03
2310.00	462000	Mid	back	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	27	21.60	1:1	1.800	23.03	
2310.00	462000	Mid	back	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	50	0	21.58	1:1	1.790	23.03	
2310.00	462000	Mid	back	0 mm	NR Band n30	B	10	CP-OFDM	QPSK	1	1	20.99	1:1	1.560	23.04	
2310.00	462000	Mid	front	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	26	21.59	1:1	1.050	25.36	
2310.00	462000	Mid	front	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	27	21.60	1:1	1.070	25.29	
2310.00	462000	Mid	bottom	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	26	21.59	1:1	1.210	24.74	
2310.00	462000	Mid	bottom	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	27	21.60	1:1	1.200	24.79	
2310.00	462000	Mid	left	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	1	50	23.50	1:1	0.586	29.80	
2310.00	462000	Mid	left	0 mm	NR Band n30	B	10	DFT-S-OFDM	QPSK	25	14	23.47	1:1	0.513	30.35	

Table A-39
DSI = 1 P_{Limit} Calculations – NR Band n7 Antenna B Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
2535.00	507000	Mid	back	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	214	20.66	1:1	1.030	24.51	23.99
2535.00	507000	Mid	back	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	108	20.83	1:1	1.060	24.56	
2535.00	507000	Mid	front	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	214	20.66	1:1	0.603	26.84	
2535.00	507000	Mid	front	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	108	20.83	1:1	0.621	26.88	
2535.00	507000	Mid	bottom	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	214	20.66	1:1	1.090	24.27	
2535.00	507000	Mid	bottom	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	108	20.83	1:1	1.150	24.20	
2535.00	507000	Mid	bottom	0 mm	NR Band n7	B	40	CP-OFDM	QPSK	1	1	20.50	1:1	1.120	23.99	
2535.00	507000	Mid	left	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	1	108	24.27	1:1	1.170	27.57	
2535.00	507000	Mid	left	0 mm	NR Band n7	B	40	DFT-S-OFDM	QPSK	108	54	24.14	1:1	1.070	27.83	

FCC ID: A3LSMF721U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2208100088-02.A3L	DUT Type: Portable Handset	APPENDIX A: Page 15 of 15