

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

Table A-1
DSI = 2 P_{Limit} Calculations –GSM 850 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GSM	31.92	Right	Cheek	A	1:8.3	0.207	29.56	29.56
836.60	190	GSM 850	GSM	31.92	Right	Tilt	A	1:8.3	0.107	32.42	
836.60	190	GSM 850	GSM	31.92	Left	Cheek	A	1:8.3	0.158	30.73	
836.60	190	GSM 850	GSM	31.92	Left	Tilt	A	1:8.3	0.097	32.83	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-2
DSI = 2 P_{Limit} Calculations –GSM 1900 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1850.20	512	GSM 1900	GSM	29.36	Right	Cheek	A	1:8.3	0.032	35.11	30.38
1850.20	512	GSM 1900	GSM	29.36	Right	Tilt	A	1:8.3	0.022	36.73	
1850.20	512	GSM 1900	GSM	29.36	Left	Cheek	A	1:8.3	0.095	30.38	
1850.20	512	GSM 1900	GSM	29.36	Left	Tilt	A	1:8.3	0.019	37.37	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-3
DSI = 2 P_{Limit} Calculations –UMTS 850 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	4183	UMTS 850	RMC	24.13	Right	Cheek	A	1:1	0.315	29.15	29.15
836.60	4183	UMTS 850	RMC	24.13	Right	Tilt	A	1:1	0.162	32.03	
836.60	4183	UMTS 850	RMC	24.13	Left	Cheek	A	1:1	0.237	30.38	
836.60	4183	UMTS 850	RMC	24.13	Left	Tilt	A	1:1	0.153	32.28	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




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Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 1 of 34		

Table A-4
DSI = 2 P_{Limit} Calculations –UMTS 1750 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1752.60	1513	UMTS 1750	RMC	23.42	Right	Cheek	A	1:1	0.084	34.18	30.75
1752.60	1513	UMTS 1750	RMC	23.42	Right	Tilt	A	1:1	0.066	35.22	
1752.60	1513	UMTS 1750	RMC	23.42	Left	Cheek	A	1:1	0.185	30.75	
1752.60	1513	UMTS 1750	RMC	23.42	Left	Tilt	A	1:1	0.059	35.71	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-5
DSI = 2 P_{Limit} Calculations –UMTS 1900 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1852.40	9262	UMTS 1900	RMC	23.70	Right	Cheek	A	1:1	0.103	33.57	31.24
1852.40	9262	UMTS 1900	RMC	23.70	Right	Tilt	A	1:1	0.058	36.07	
1852.40	9262	UMTS 1900	RMC	23.70	Left	Cheek	A	1:1	0.176	31.24	
1852.40	9262	UMTS 1900	RMC	23.70	Left	Tilt	A	1:1	0.042	37.47	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-6
DSI = 2 P_{Limit} Calculations – LTE Band 12 Head SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
707.50	23095	Mid	LTE Band 12	10	24.38	Right	Cheek	A	QPSK	1	0	1:1	0.088	34.94	33.70
707.50	23095	Mid	LTE Band 12	10	23.34	Right	Cheek	A	QPSK	25	25	1:1	0.085	34.06	
707.50	23095	Mid	LTE Band 12	10	24.38	Right	Tilt	A	QPSK	1	0	1:1	0.054	37.06	
707.50	23095	Mid	LTE Band 12	10	23.34	Right	Tilt	A	QPSK	25	25	1:1	0.051	36.29	
707.50	23095	Mid	LTE Band 12	10	24.38	Left	Cheek	A	QPSK	1	0	1:1	0.099	34.43	
707.50	23095	Mid	LTE Band 12	10	23.34	Left	Cheek	A	QPSK	25	25	1:1	0.092	33.70	
707.50	23095	Mid	LTE Band 12	10	24.38	Left	Tilt	A	QPSK	1	0	1:1	0.064	36.31	
707.50	23095	Mid	LTE Band 12	10	23.34	Left	Tilt	A	QPSK	25	25	1:1	0.063	35.33	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 2 of 34		

Table A-7
DSI = 2 P_{Limit} Calculations – LTE Band 13 Head SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
782.00	23230	Mid	LTE Band 13	10	24.42	Right	Cheek	A	QPSK	1	25	1:1	0.219	31.02	30.97
782.00	23230	Mid	LTE Band 13	10	23.40	Right	Cheek	A	QPSK	25	12	1:1	0.175	30.97	
782.00	23230	Mid	LTE Band 13	10	24.42	Right	Tilt	A	QPSK	1	25	1:1	0.124	33.49	
782.00	23230	Mid	LTE Band 13	10	23.40	Right	Tilt	A	QPSK	25	12	1:1	0.101	33.36	
782.00	23230	Mid	LTE Band 13	10	24.42	Left	Cheek	A	QPSK	1	25	1:1	0.162	32.32	
782.00	23230	Mid	LTE Band 13	10	23.40	Left	Cheek	A	QPSK	25	12	1:1	0.132	32.19	
782.00	23230	Mid	LTE Band 13	10	24.42	Left	Tilt	A	QPSK	1	25	1:1	0.112	33.93	
782.00	23230	Mid	LTE Band 13	10	23.40	Left	Tilt	A	QPSK	25	12	1:1	0.094	33.65	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-8
DSI = 2 P_{Limit} Calculations – LTE Band 26 Head SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	Right	Cheek	A	QPSK	1	36	1:1	0.244	29.88	29.88
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	Right	Cheek	A	QPSK	36	0	1:1	0.187	30.04	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	Right	Tilt	A	QPSK	1	36	1:1	0.126	32.75	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	Right	Tilt	A	QPSK	36	0	1:1	0.098	32.86	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	Left	Cheek	A	QPSK	1	36	1:1	0.196	30.83	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	Left	Cheek	A	QPSK	36	0	1:1	0.152	30.94	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	Left	Tilt	A	QPSK	1	36	1:1	0.132	32.54	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	Left	Tilt	A	QPSK	36	0	1:1	0.103	32.63	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-9
DSI = 2 P_{Limit} Calculations – LTE Band 66 Head SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	Right	Cheek	A	QPSK	1	0	1:1	0.097	33.93	30.75
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	Right	Cheek	A	QPSK	50	25	1:1	0.090	33.20	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	Right	Tilt	A	QPSK	1	0	1:1	0.068	35.47	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	Right	Tilt	A	QPSK	50	25	1:1	0.052	35.58	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	Left	Cheek	A	QPSK	1	0	1:1	0.201	30.77	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	Left	Cheek	A	QPSK	50	25	1:1	0.158	30.75	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	Left	Tilt	A	QPSK	1	0	1:1	0.066	35.60	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	Left	Tilt	A	QPSK	50	25	1:1	0.052	35.58	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 3 of 34		

Table A-10
DSI = 2 P_{Limit} Calculations – LTE Band 4 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	Right	Cheek	F	QPSK	1	50	1:1	0.204	23.23	21.07
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	Right	Cheek	F	QPSK	50	50	1:1	0.200	23.31	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	Right	Tilt	F	QPSK	1	50	1:1	0.278	21.89	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	Right	Tilt	F	QPSK	50	50	1:1	0.258	22.20	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	Left	Cheek	F	QPSK	1	50	1:1	0.322	21.25	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	Left	Cheek	F	QPSK	50	50	1:1	0.323	21.23	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	Left	Tilt	F	QPSK	1	50	1:1	0.324	21.22	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	Left	Tilt	F	QPSK	50	50	1:1	0.335	21.07	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-11
DSI = 2 P_{Limit} Calculations – LTE Band 25 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	Right	Cheek	A	QPSK	1	0	1:1	0.089	34.01	30.60
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	Right	Cheek	A	QPSK	50	0	1:1	0.069	34.00	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	Right	Tilt	A	QPSK	1	0	1:1	0.056	36.02	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	Right	Tilt	A	QPSK	50	0	1:1	0.040	36.37	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	Left	Cheek	A	QPSK	1	0	1:1	0.195	30.60	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	Left	Cheek	A	QPSK	50	0	1:1	0.147	30.72	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	Left	Tilt	A	QPSK	1	0	1:1	0.060	35.72	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	Left	Tilt	A	QPSK	50	0	1:1	0.042	36.16	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-12
DSI = 2 P_{Limit} Calculations – LTE Band 41 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	Right	Cheek	B	QPSK	1	0	1:1.58	0.055	35.33	34.70
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	Right	Cheek	B	QPSK	50	50	1:1.58	0.041	35.56	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	Right	Tilt	B	QPSK	1	0	1:1.58	0.031	37.82	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	Right	Tilt	B	QPSK	50	50	1:1.58	0.020	38.68	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	Left	Cheek	B	QPSK	1	0	1:1.58	0.055	35.33	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	Left	Cheek	B	QPSK	50	50	1:1.58	0.050	34.70	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	Left	Tilt	B	QPSK	1	0	1:1.58	0.055	35.33	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	Left	Tilt	B	QPSK	50	50	1:1.58	0.048	34.87	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 4 of 34

Table A-13
DSI = 2 P_{Limit} Calculations – NR Band n5 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	Right	Cheek	DFT-S-OFDM	QPSK	1	53	1:1	0.198	30.58	30.58
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	Right	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.188	30.76	
836.50	167300	Mid	NR Band n5 (Cell)	20	22.48	A	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.153	30.63	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	Right	Tilt	DFT-S-OFDM	QPSK	1	53	1:1	0.121	32.72	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	Right	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.120	32.71	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	Left	Cheek	DFT-S-OFDM	QPSK	1	53	1:1	0.148	31.85	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	Left	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.180	30.95	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	Left	Tilt	DFT-S-OFDM	QPSK	1	53	1:1	0.117	32.87	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	Left	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.117	32.82	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-14
DSI = 2 P_{Limit} Calculations – NR Band n66 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	Right	Cheek	DFT-S-OFDM	QPSK	1	104	1:1	0.147	32.48	30.16
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	Right	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.144	32.45	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	Right	Tilt	DFT-S-OFDM	QPSK	1	104	1:1	0.084	34.91	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	Right	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.083	34.84	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	Left	Cheek	DFT-S-OFDM	QPSK	1	104	1:1	0.232	30.50	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	Left	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.244	30.16	
1770.00	354000	High	NR Band n66 (AWS)	20	22.45	A	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.166	30.25	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	Left	Tilt	DFT-S-OFDM	QPSK	1	104	1:1	0.079	35.17	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	Left	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.077	35.17	
1770.00	354000	High	NR Band n66 (AWS)	20	18.64	F	Right	Cheek	DFT-S-OFDM	QPSK	1	104	1:1	0.264	24.42	19.43
1770.00	354000	High	NR Band n66 (AWS)	20	18.61	F	Right	Cheek	DFT-S-OFDM	QPSK	50	56	1:1	0.295	23.91	
1770.00	354000	High	NR Band n66 (AWS)	20	18.64	F	Right	Tilt	DFT-S-OFDM	QPSK	1	104	1:1	0.546	21.27	
1770.00	354000	High	NR Band n66 (AWS)	20	18.61	F	Right	Tilt	DFT-S-OFDM	QPSK	50	56	1:1	0.563	21.10	
1770.00	354000	High	NR Band n66 (AWS)	20	18.64	F	Left	Cheek	DFT-S-OFDM	QPSK	1	104	1:1	0.553	21.21	
1770.00	354000	High	NR Band n66 (AWS)	20	18.61	F	Left	Cheek	DFT-S-OFDM	QPSK	50	56	1:1	0.531	21.36	
1770.00	354000	High	NR Band n66 (AWS)	20	18.64	F	Left	Tilt	DFT-S-OFDM	QPSK	1	104	1:1	0.680	20.31	
1720.00	344000	Low	NR Band n66 (AWS)	20	18.21	F	Left	Tilt	DFT-S-OFDM	QPSK	50	56	1:1	0.743	19.50	
1745.00	349000	Mid	NR Band n66 (AWS)	20	18.26	F	Left	Tilt	DFT-S-OFDM	QPSK	50	56	1:1	0.763	19.43	
1770.00	354000	High	NR Band n66 (AWS)	20	18.61	F	Left	Tilt	DFT-S-OFDM	QPSK	50	56	1:1	0.715	20.07	
1770.00	354000	High	NR Band n66 (AWS)	20	18.52	F	Left	Tilt	DFT-S-OFDM	QPSK	100	0	1:1	0.788	19.55	
1770.00	354000	High	NR Band n66 (AWS)	20	18.59	F	Left	Tilt	CP-OFDM	QPSK	1	1	1:1	0.820	19.45	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 5 of 34

Table A-15
DSI = 2 P_{Limit} Calculations – NR Band n25 Head SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	Right	Cheek	DFT-S-OFDM	QPSK	1	53	1:1	0.124	32.10	30.87
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	Right	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.108	33.01	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	Right	Tilt	DFT-S-OFDM	QPSK	1	53	1:1	0.055	35.63	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	Right	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.058	35.71	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	Left	Cheek	DFT-S-OFDM	QPSK	1	53	1:1	0.152	31.21	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	Left	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.149	31.61	
1860.00	372000	Low	NR Band n25 (PCS)	20	21.77	A	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.123	30.87	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	Left	Tilt	DFT-S-OFDM	QPSK	1	53	1:1	0.051	35.95	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	Left	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.051	36.26	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-16
DSI = 2 P_{Limit} Calculations – NR Band n41 Head SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
2592.99	518598	Mid	NR Band n41	100	18.43	F	Right	Cheek	DFT-S-OFDM	QPSK	1	271	1:1	0.353	22.95	18.83
2592.99	518598	Mid	NR Band n41	100	18.42	F	Right	Cheek	DFT-S-OFDM	QPSK	135	138	1:1	0.369	22.75	
2592.99	518598	Mid	NR Band n41	100	18.43	F	Right	Tilt	DFT-S-OFDM	QPSK	1	271	1:1	0.468	21.73	
2592.99	518598	Mid	NR Band n41	100	18.42	F	Right	Tilt	DFT-S-OFDM	QPSK	135	138	1:1	0.483	21.58	
2592.99	518598	Mid	NR Band n41	100	18.43	F	Left	Cheek	DFT-S-OFDM	QPSK	1	271	1:1	0.709	19.92	
2592.99	518598	Mid	NR Band n41	100	18.42	F	Left	Cheek	DFT-S-OFDM	QPSK	135	138	1:1	0.770	19.56	
2592.99	518598	Mid	NR Band n41	100	18.41	F	Left	Cheek	DFT-S-OFDM	QPSK	270	0	1:1	0.795	19.41	
2592.99	518598	Mid	NR Band n41	100	18.43	F	Left	Tilt	DFT-S-OFDM	QPSK	1	271	1:1	0.847	19.15	
2592.99	518598	Mid	NR Band n41	100	18.42	F	Left	Tilt	DFT-S-OFDM	QPSK	135	138	1:1	0.860	19.07	
2592.99	518598	Mid	NR Band n41	100	18.41	F	Left	Tilt	DFT-S-OFDM	QPSK	270	0	1:1	0.908	18.83	
2592.99	518598	Mid	NR Band n41	100	18.64	F	Left	Tilt	CP-OFDM	QPSK	1	1	1:1	0.820	19.50	
2592.99	518598	Mid	NR Band n41	100	14.24	B	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.021	31.02	29.77
2592.99	518598	Mid	NR Band n41	100	14.24	B	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.004	38.22	
2592.99	518598	Mid	NR Band n41	100	14.24	B	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.028	29.77	
2592.99	518598	Mid	NR Band n41	100	14.24	B	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.021	31.02	
2592.99	518598	Mid	NR Band n41	100	13.46	E	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.274	19.08	19.08
2592.99	518598	Mid	NR Band n41	100	13.46	E	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.263	19.26	
2592.99	518598	Mid	NR Band n41	100	13.46	E	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.231	19.82	
2592.99	518598	Mid	NR Band n41	100	13.46	E	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.210	20.24	
2592.99	518598	Mid	NR Band n41	100	10.71	D	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.005	33.72	31.68
2592.99	518598	Mid	NR Band n41	100	10.71	D	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.004	34.69	
2592.99	518598	Mid	NR Band n41	100	10.71	D	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.008	31.68	
2592.99	518598	Mid	NR Band n41	100	10.71	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.008	31.68	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 6 of 34		

Table A-17
DSI = 2 P_{Limit} Calculations – NR Band n77 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
3500.01	633334	Mid	NR Band n77 DoD	100	13.34	G	Right	Cheek	DFT-S-OFDM	QPSK	1	271	1:1	0.409	17.22	16.56
3500.01	633334	Mid	NR Band n77 DoD	100	13.18	G	Right	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.370	17.50	
3500.01	633334	Mid	NR Band n77 DoD	100	13.06	G	Right	Cheek	DFT-S-OFDM	QPSK	270	0	1:1	0.395	17.09	
3500.01	633334	Mid	NR Band n77 DoD	100	12.65	G	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.406	16.56	
3500.01	633334	Mid	NR Band n77 DoD	100	13.34	G	Right	Tilt	DFT-S-OFDM	QPSK	1	271	1:1	0.314	18.37	
3500.01	633334	Mid	NR Band n77 DoD	100	13.18	G	Right	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.294	18.50	
3500.01	633334	Mid	NR Band n77 DoD	100	13.34	G	Left	Cheek	DFT-S-OFDM	QPSK	1	271	1:1	0.122	22.48	
3500.01	633334	Mid	NR Band n77 DoD	100	13.18	G	Left	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.108	22.85	
3500.01	633334	Mid	NR Band n77 DoD	100	13.34	G	Left	Tilt	DFT-S-OFDM	QPSK	1	271	1:1	0.121	22.51	
3500.01	633334	Mid	NR Band n77 DoD	100	13.18	G	Left	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.109	22.81	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.009	33.78	28.13
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.015	31.56	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.033	28.13	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.004	37.30	
3500.01	633334	Mid	NR Band n77 DoD	100	11.43	H	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.013	30.29	
3500.01	633334	Mid	NR Band n77 DoD	100	11.43	H	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.016	29.39	24.80
3500.01	633334	Mid	NR Band n77 DoD	100	11.43	H	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.024	27.63	
3500.01	633334	Mid	NR Band n77 DoD	100	11.43	H	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.046	24.80	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	52.82	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	52.82	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	52.82	52.82
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	52.82	
3750.00	650000	Low	NR Band n77	100	13.25	G	Right	Cheek	DFT-S-OFDM	QPSK	1	137	1:1	0.357	17.72	
3930.00	662000	High	NR Band n77	100	13.44	G	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.500	16.45	
3750.00	650000	Low	NR Band n77	100	13.18	G	Right	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.386	17.31	
3930.00	662000	High	NR Band n77	100	13.34	G	Right	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.481	16.52	16.34
3930.00	662000	High	NR Band n77	100	13.27	G	Right	Cheek	DFT-S-OFDM	QPSK	270	0	1:1	0.460	16.64	
3930.00	662000	High	NR Band n77	100	13.33	G	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.500	16.34	
3930.00	662000	High	NR Band n77	100	13.44	G	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.297	18.71	
3930.00	662000	High	NR Band n77	100	13.34	G	Right	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.291	18.70	
3930.00	662000	High	NR Band n77	100	13.44	G	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.120	22.65	
3930.00	662000	High	NR Band n77	100	13.34	G	Left	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.117	22.66	
3930.00	662000	High	NR Band n77	100	13.44	G	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.080	24.41	
3930.00	662000	High	NR Band n77	100	13.34	G	Left	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.087	23.94	
3750.00	650000	Low	NR Band n77	100	13.26	C	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	53.26	
3750.00	650000	Low	NR Band n77	100	13.26	C	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.002	40.25	
3750.00	650000	Low	NR Band n77	100	13.26	C	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.006	35.48	
3750.00	650000	Low	NR Band n77	100	13.26	C	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	53.26	
3930.00	662000	High	NR Band n77	100	12.00	H	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.020	28.99	
3930.00	662000	High	NR Band n77	100	12.00	H	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.023	28.38	28.38
3930.00	662000	High	NR Band n77	100	12.00	H	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.022	28.58	
3930.00	662000	High	NR Band n77	100	12.00	H	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.022	28.58	
3930.00	662000	High	NR Band n77	100	13.24	D	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	53.24	
3930.00	662000	High	NR Band n77	100	13.24	D	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	53.24	
3930.00	662000	High	NR Band n77	100	13.24	D	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	53.24	53.24
3930.00	662000	High	NR Band n77	100	13.24	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	53.24	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 7 of 34

Table A-18
DSI = 0 P_{Limit} Calculations – 2G/3G Body-Worn SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GSM	31.92	15 mm	A	1:8.3	back	0.237	28.97	28.97
1850.20	512	GSM 1900	GSM	29.36	15 mm	A	1:8.3	back	0.272	25.81	25.81
836.60	4183	UMTS 850	RMC	24.13	15 mm	A	1:1	back	0.410	28.00	28.00
1712.40	1312	UMTS 1750	RMC	23.30	15 mm	A	1:1	back	0.641	25.23	25.22
1732.40	1412	UMTS 1750	RMC	23.38	15 mm	A	1:1	back	0.655	25.22	
1752.60	1513	UMTS 1750	RMC	23.42	15 mm	A	1:1	back	0.572	25.85	
1852.40	9262	UMTS 1900	RMC	23.70	15 mm	A	1:1	back	0.572	26.13	26.13

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-19
DSI = 0 P_{Limit} Calculations – 4G Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	15 mm	back	1:1	0.173	32.00	31.41
707.50	23095	Mid	LTE Band 12	10	23.34	A	QPSK	25	25	15 mm	back	1:1	0.156	31.41	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	15 mm	back	1:1	0.292	29.77	29.77
782.00	23230	Mid	LTE Band 13	10	23.40	A	QPSK	25	12	15 mm	back	1:1	0.228	29.82	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	15 mm	back	1:1	0.262	29.57	29.57
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	A	QPSK	36	0	15 mm	back	1:1	0.200	29.75	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	0	15 mm	back	1:1	0.590	26.09	26.08
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	15 mm	back	1:1	0.463	26.08	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	15 mm	back	1:1	0.166	28.30	28.24
1732.50	20175	Mid	LTE Band 4 (AWS)	20	19.45	F	QPSK	50	25	15 mm	back	1:1	0.132	28.24	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	15 mm	back	1:1	0.475	26.73	26.73
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	15 mm	back	1:1	0.357	26.86	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	B	QPSK	1	0	15 mm	back	1:1.58	0.181	30.16	30.16
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	B	QPSK	50	50	15 mm	back	1:1.58	0.140	30.22	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 8 of 34

Table A-20
DSI = 0 P_{Limit} Calculations – NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	15 mm	back	1:1	0.274	29.17	28.61
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.270	29.19	
836.50	167300	Mid	NR Band n5 (Cell)	20	22.48	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.244	28.61	
1720.00	344000	Low	NR Band n66 (AWS)	20	23.79	A	DFT-S-OFDM	QPSK	1	104	15 mm	back	1:1	0.659	25.60	24.56
1745.00	349000	Mid	NR Band n66 (AWS)	20	24.11	A	DFT-S-OFDM	QPSK	1	104	15 mm	back	1:1	0.666	25.88	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	15 mm	back	1:1	0.759	25.35	
1720.00	344000	Low	NR Band n66 (AWS)	20	23.67	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.623	25.73	
1745.00	349000	Mid	NR Band n66 (AWS)	20	24.01	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.647	25.90	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.734	25.37	
1770.00	354000	High	NR Band n66 (AWS)	20	23.01	A	DFT-S-OFDM	QPSK	100	0	15 mm	back	1:1	0.700	24.56	
1770.00	354000	High	NR Band n66 (AWS)	20	22.45	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.607	24.62	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	15 mm	back	1:1	0.195	29.00	28.65
1720.00	344000	Low	NR Band n66 (AWS)	20	21.88	F	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.184	29.23	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.20	F	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.180	28.65	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-21
DSI = 0 P_{Limit} Calculations – NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	15 mm	back	1:1	0.674	24.74	24.74
1882.50	376500	Mid	NR Band n25 (PCS)	20	22.80	A	DFT-S-OFDM	QPSK	1	53	15 mm	back	1:1	0.586	25.12	
1905.00	381000	High	NR Band n25 (PCS)	20	22.83	A	DFT-S-OFDM	QPSK	1	53	15 mm	back	1:1	0.518	25.69	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.561	25.85	
1860.00	372000	Low	NR Band n25 (PCS)	20	22.31	A	DFT-S-OFDM	QPSK	100	0	15 mm	back	1:1	0.520	25.15	
1860.00	372000	Low	NR Band n25 (PCS)	20	21.77	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.462	25.12	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-22
DSI = 0 P_{Limit} Calculations – NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	15 mm	back	1:1	0.091	28.84	27.71
2592.99	518598	Mid	NR Band n41	100	18.42	F	DFT-S-OFDM	QPSK	135	138	15 mm	back	1:1	0.088	28.98	
2592.99	518598	Mid	NR Band n41	100	18.64	F	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.124	27.71	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.083	25.05	25.05
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.017	31.16	31.16
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.027	26.40	26.40

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 9 of 34

Table A-23
DSI = 0 P_{Limit} Calculations – NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	15 mm	back	1:1	0.137	26.42	26.10
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	15 mm	back	1:1	0.133	26.22	
3500.01	633334	Mid	NR Band n77 DoD	100	17.31	G	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.132	26.10	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.014	31.86	31.86
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.091	25.77	25.77
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.082	23.68	23.68
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	15 mm	back	1:1	0.115	26.99	25.91
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	15 mm	back	1:1	0.111	27.08	
3930.00	662000	High	NR Band n77	100	17.25	G	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.136	25.91	
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.000	53.26	53.26
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.044	29.62	29.62
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.005	36.25	36.25

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-24
DSI = 3 P_{Limit} Calculations – GPRS 850 Hotspot SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
824.20	128	GSM 850	GPRS	29.53	10 mm	A	3	1:2.76	back	0.522	27.92	27.12
836.60	190	GSM 850	GPRS	29.58	10 mm	A	3	1:2.76	back	0.541	27.82	
848.80	251	GSM 850	GPRS	29.60	10 mm	A	3	1:2.76	back	0.638	27.12	
848.80	251	GSM 850	GPRS	29.60	10 mm	A	3	1:2.76	front	0.417	28.97	
848.80	251	GSM 850	GPRS	29.60	10 mm	A	3	1:2.76	bottom	0.192	32.34	
848.80	251	GSM 850	GPRS	29.60	10 mm	A	3	1:2.76	right	0.468	28.47	
848.80	251	GSM 850	GPRS	29.60	10 mm	A	3	1:2.76	left	0.232	31.52	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 10 of 34		

Table A-25
DSI = 3 P_{Limit} Calculations – GPRS 1900 Hotspot SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
1909.80	810	GSM 1900	GPRS	20.46	10 mm	A	4	1:2.076	back	0.342	21.94	18.83
1909.80	810	GSM 1900	GPRS	20.46	10 mm	A	4	1:2.076	front	0.303	22.46	
1850.20	512	GSM 1900	GPRS	20.36	10 mm	A	4	1:2.076	bottom	0.510	20.10	
1880.00	661	GSM 1900	GPRS	20.00	10 mm	A	4	1:2.076	bottom	0.630	18.83	
1909.80	810	GSM 1900	GPRS	20.46	10 mm	A	4	1:2.076	bottom	0.622	19.34	
1909.80	810	GSM 1900	GPRS	20.46	10 mm	A	4	1:2.076	right	0.032	32.23	
1909.80	810	GSM 1900	GPRS	20.46	10 mm	A	4	1:2.076	left	0.078	28.36	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 11 of 34

Table A-26
DSI = 3 P_{Limit} Calculations – UMTS Hotspot SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
826.40	4132	UMTS 850	RMC	24.00	10 mm	A	1:1	back	0.560	26.52	26.41
836.60	4183	UMTS 850	RMC	24.13	10 mm	A	1:1	back	0.570	26.57	
846.60	4233	UMTS 850	RMC	24.10	10 mm	A	1:1	back	0.588	26.41	
836.60	4183	UMTS 850	RMC	24.13	10 mm	A	1:1	front	0.433	27.77	
836.60	4183	UMTS 850	RMC	24.13	10 mm	A	1:1	bottom	0.195	31.23	
836.60	4183	UMTS 850	RMC	24.13	10 mm	A	1:1	right	0.464	27.46	
836.60	4183	UMTS 850	RMC	24.13	10 mm	A	1:1	left	0.321	29.06	
1752.60	1513	UMTS 1750	RMC	19.39	10 mm	A	1:1	back	0.383	23.56	20.89
1752.60	1513	UMTS 1750	RMC	19.39	10 mm	A	1:1	front	0.344	24.02	
1712.40	1312	UMTS 1750	RMC	19.27	10 mm	A	1:1	bottom	0.665	21.04	
1732.40	1412	UMTS 1750	RMC	19.34	10 mm	A	1:1	bottom	0.700	20.89	
1752.60	1513	UMTS 1750	RMC	19.39	10 mm	A	1:1	bottom	0.696	20.96	
1752.60	1513	UMTS 1750	RMC	19.39	10 mm	A	1:1	right	0.046	32.76	
1752.60	1513	UMTS 1750	RMC	19.39	10 mm	A	1:1	left	0.125	28.42	
1852.40	9262	UMTS 1900	RMC	19.55	10 mm	A	1:1	back	0.388	23.66	20.65
1852.40	9262	UMTS 1900	RMC	19.55	10 mm	A	1:1	front	0.328	24.39	
1852.40	9262	UMTS 1900	RMC	19.55	10 mm	A	1:1	bottom	0.679	21.23	
1880.00	9400	UMTS 1900	RMC	19.03	10 mm	A	1:1	bottom	0.689	20.65	
1907.60	9538	UMTS 1900	RMC	19.31	10 mm	A	1:1	bottom	0.649	21.19	
1852.40	9262	UMTS 1900	RMC	19.55	10 mm	A	1:1	right	0.065	31.42	
1852.40	9262	UMTS 1900	RMC	19.55	10 mm	A	1:1	left	0.305	24.71	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 12 of 34		

Table A-27
DSI = 3 P_{Limit} Calculations – LTE Band 12 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	10 mm	back	1:1	0.248	30.44	29.78
707.50	23095	Mid	LTE Band 12	10	23.34	A	QPSK	25	25	10 mm	back	1:1	0.227	29.78	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	10 mm	front	1:1	0.177	31.90	
707.50	23095	Mid	LTE Band 12	10	23.34	A	QPSK	25	25	10 mm	front	1:1	0.162	31.24	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	10 mm	bottom	1:1	0.068	36.05	
707.50	23095	Mid	LTE Band 12	10	23.34	A	QPSK	25	25	10 mm	bottom	1:1	0.061	35.51	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	10 mm	right	1:1	0.164	32.23	
707.50	23095	Mid	LTE Band 12	10	23.34	A	QPSK	25	25	10 mm	right	1:1	0.158	31.35	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	10 mm	left	1:1	0.126	33.38	
707.50	23095	Mid	LTE Band 12	10	23.34	A	QPSK	25	25	10 mm	left	1:1	0.113	32.81	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-28
DSI = 3 P_{Limit} Calculations – LTE Band 13 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	10 mm	back	1:1	0.399	28.41	28.25
782.00	23230	Mid	LTE Band 13	10	23.40	A	QPSK	25	12	10 mm	back	1:1	0.327	28.25	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	10 mm	front	1:1	0.327	29.27	
782.00	23230	Mid	LTE Band 13	10	23.40	A	QPSK	25	12	10 mm	front	1:1	0.258	29.28	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	10 mm	bottom	1:1	0.125	33.45	
782.00	23230	Mid	LTE Band 13	10	23.40	A	QPSK	25	12	10 mm	bottom	1:1	0.098	33.47	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	10 mm	right	1:1	0.267	30.15	
782.00	23230	Mid	LTE Band 13	10	23.40	A	QPSK	25	12	10 mm	right	1:1	0.212	30.14	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	10 mm	left	1:1	0.233	30.75	
782.00	23230	Mid	LTE Band 13	10	23.40	A	QPSK	25	12	10 mm	left	1:1	0.183	30.78	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 13 of 34		

Table A-29
DSI = 3 P_{Limit} Calculations – LTE Band 26 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	10 mm	back	1:1	0.469	27.04	27.04
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	A	QPSK	36	0	10 mm	back	1:1	0.355	27.26	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	10 mm	front	1:1	0.322	28.67	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	A	QPSK	36	0	10 mm	front	1:1	0.237	29.01	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	10 mm	bottom	1:1	0.152	31.93	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	A	QPSK	36	0	10 mm	bottom	1:1	0.110	32.35	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	10 mm	right	1:1	0.332	28.54	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	A	QPSK	36	0	10 mm	right	1:1	0.263	28.56	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	10 mm	left	1:1	0.157	31.79	
831.50	26865	Mid	LTE Band 26 (Cell)	15	22.76	A	QPSK	36	0	10 mm	left	1:1	0.132	31.55	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-30
DSI = 3 P_{Limit} Calculations – LTE Band 66 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	10 mm	back	1:1	0.464	22.33	20.57
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	10 mm	back	1:1	0.466	22.34	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	10 mm	front	1:1	0.334	23.76	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	10 mm	front	1:1	0.349	23.59	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	10 mm	bottom	1:1	0.697	20.57	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	18.74	A	QPSK	1	50	10 mm	bottom	1:1	0.552	21.32	
1770.00	132572	High	LTE Band 66 (AWS)	20	18.46	A	QPSK	1	50	10 mm	bottom	1:1	0.557	21.00	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	10 mm	bottom	1:1	0.688	20.64	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	10 mm	right	1:1	0.042	32.77	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	10 mm	right	1:1	0.041	32.89	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	10 mm	left	1:1	0.100	29.00	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	10 mm	left	1:1	0.102	28.93	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 14 of 34		

Table A-31
DSI = 3 P_{Limit} Calculations – LTE Band 4 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	F	QPSK	1	50	10 mm	back	1:1	0.088	26.89	24.63
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	F	QPSK	50	50	10 mm	back	1:1	0.085	27.03	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	F	QPSK	1	50	10 mm	front	1:1	0.062	28.41	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	F	QPSK	50	50	10 mm	front	1:1	0.063	28.33	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	F	QPSK	1	50	10 mm	top	1:1	0.148	24.63	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	F	QPSK	50	50	10 mm	top	1:1	0.143	24.77	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.33	F	QPSK	1	50	10 mm	right	1:1	0.020	33.32	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	16.32	F	QPSK	50	50	10 mm	right	1:1	0.020	33.31	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-32
DSI = 3 P_{Limit} Calculations – LTE Band 25 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	10 mm	back	1:1	0.413	22.75	19.99
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	10 mm	back	1:1	0.408	22.76	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	10 mm	front	1:1	0.301	24.12	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	10 mm	front	1:1	0.304	24.04	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	10 mm	bottom	1:1	0.675	20.62	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	18.49	A	QPSK	1	0	10 mm	bottom	1:1	0.695	20.07	
1905.00	26590	High	LTE Band 25 (PCS)	20	18.35	A	QPSK	1	50	10 mm	bottom	1:1	0.685	19.99	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	10 mm	bottom	1:1	0.669	20.62	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	10 mm	right	1:1	0.030	34.14	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	10 mm	right	1:1	0.029	34.25	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	10 mm	left	1:1	0.119	28.15	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	10 mm	left	1:1	0.128	27.80	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 15 of 34		

Table A-33
DSI = 3 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	10 mm	back	1:1.58	0.228	25.86	20.67
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	10 mm	back	1:1.58	0.227	25.99	
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	10 mm	front	1:1.58	0.275	25.04	
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	10 mm	front	1:1.58	0.280	25.07	
2506.00	39750	Low	LTE Band 41	20	21.35	B	QPSK	1	50	10 mm	bottom	1:1.58	0.741	20.67	
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	10 mm	bottom	1:1.58	0.621	21.51	
2593.00	40620	Mid	LTE Band 41	20	21.39	B	QPSK	1	50	10 mm	bottom	1:1.58	0.587	21.72	
2636.50	41055	Mid-High	LTE Band 41	20	21.38	B	QPSK	1	50	10 mm	bottom	1:1.58	0.505	22.36	
2680.00	41490	High	LTE Band 41	20	21.38	B	QPSK	1	50	10 mm	bottom	1:1.58	0.496	22.44	
2506.00	39750	Low	LTE Band 41	20	21.24	B	QPSK	50	0	10 mm	bottom	1:1.58	0.520	22.10	
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	10 mm	bottom	1:1.58	0.605	21.73	
2593.00	40620	Mid	LTE Band 41	20	21.52	B	QPSK	50	25	10 mm	bottom	1:1.58	0.540	22.21	
2636.50	41055	Mid-High	LTE Band 41	20	21.51	B	QPSK	50	25	10 mm	bottom	1:1.58	0.558	22.06	
2680.00	41490	High	LTE Band 41	20	21.51	B	QPSK	50	50	10 mm	bottom	1:1.58	0.536	22.23	
2593.00	40620	Mid	LTE Band 41	20	21.38	B	QPSK	100	0	10 mm	bottom	1:1.58	0.522	22.22	
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	10 mm	left	1:1.58	0.273	25.07	
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	10 mm	left	1:1.58	0.272	25.20	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-34
DSI = 3 P_{Limit} Calculations – NR Band n5 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	10 mm	back	1:1	0.440	27.12	27.12
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	DFT-S-OFDM	QPSK	50	28	10 mm	back	1:1	0.389	27.60	
836.50	167300	Mid	NR Band n5 (Cell)	20	22.48	A	CP-OFDM	QPSK	1	1	10 mm	back	1:1	0.326	27.35	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	10 mm	front	1:1	0.334	28.31	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	DFT-S-OFDM	QPSK	50	28	10 mm	front	1:1	0.309	28.60	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	10 mm	bottom	1:1	0.176	31.09	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	0.184	30.85	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	10 mm	right	1:1	0.393	27.61	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	DFT-S-OFDM	QPSK	50	28	10 mm	right	1:1	0.374	27.77	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	10 mm	left	1:1	0.149	31.82	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.50	A	DFT-S-OFDM	QPSK	50	28	10 mm	left	1:1	0.154	31.62	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 16 of 34		

Table A-35
DSI = 3 P_{Limit} Calculations – NR Band n66 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit		
MHz	Ch.												(W/kg)				
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	10 mm	back	1:1	0.449	24.01	20.30	
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	10 mm	back	1:1	0.485	23.59		
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	10 mm	front	1:1	0.355	25.03		
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	10 mm	front	1:1	0.391	24.53		
1720.00	344000	Low	NR Band n66 (AWS)	20	20.11	A	DFT-S-OFDM	QPSK	1	104	10 mm	bottom	1:1	0.889	20.62		
1745.00	349000	Mid	NR Band n66 (AWS)	20	20.29	A	DFT-S-OFDM	QPSK	1	104	10 mm	bottom	1:1	0.992	20.32		
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	10 mm	bottom	1:1	0.898	21.00		
1720.00	344000	Low	NR Band n66 (AWS)	20	19.99	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	0.899	20.45		
1745.00	349000	Mid	NR Band n66 (AWS)	20	20.26	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	0.893	20.75		
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	1.000	20.45		
1770.00	354000	High	NR Band n66 (AWS)	20	19.97	A	DFT-S-OFDM	QPSK	100	0	10 mm	bottom	1:1	0.926	20.30		
1770.00	354000	High	NR Band n66 (AWS)	20	20.19	A	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.897	20.66		
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	10 mm	right	1:1	0.077	31.67		
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	10 mm	right	1:1	0.072	31.88		
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	10 mm	left	1:1	0.141	29.04		
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	10 mm	left	1:1	0.175	28.02		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	10 mm	back	1:1	0.355	26.40		23.78
1720.00	344000	Low	NR Band n66 (AWS)	20	21.88	F	DFT-S-OFDM	QPSK	50	28	10 mm	back	1:1	0.321	26.81		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	10 mm	front	1:1	0.267	27.63		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.88	F	DFT-S-OFDM	QPSK	50	28	10 mm	front	1:1	0.250	27.90		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	10 mm	top	1:1	0.578	24.28		
1745.00	349000	Mid	NR Band n66 (AWS)	20	21.51	F	DFT-S-OFDM	QPSK	1	104	10 mm	top	1:1	0.496	24.56		
1770.00	354000	High	NR Band n66 (AWS)	20	21.80	F	DFT-S-OFDM	QPSK	1	104	10 mm	top	1:1	0.442	25.35		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.88	F	DFT-S-OFDM	QPSK	50	28	10 mm	top	1:1	0.608	24.04		
1745.00	349000	Mid	NR Band n66 (AWS)	20	21.50	F	DFT-S-OFDM	QPSK	50	28	10 mm	top	1:1	0.461	24.86		
1770.00	354000	High	NR Band n66 (AWS)	20	21.77	F	DFT-S-OFDM	QPSK	50	28	10 mm	top	1:1	0.461	25.13		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.65	F	DFT-S-OFDM	QPSK	100	0	10 mm	top	1:1	0.604	23.84		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.20	F	CP-OFDM	QPSK	1	1	10 mm	top	1:1	0.552	23.78		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	10 mm	right	1:1	0.147	30.23		
1720.00	344000	Low	NR Band n66 (AWS)	20	21.88	F	DFT-S-OFDM	QPSK	50	28	10 mm	right	1:1	0.128	30.81		

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 17 of 34		

Table A-36
DSI = 3 P_{Limit} Calculations – NR Band n25 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	10 mm	back	1:1	0.578	21.08	19.40
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	10 mm	back	1:1	0.610	20.90	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	10 mm	front	1:1	0.423	22.44	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	10 mm	front	1:1	0.446	22.26	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	10 mm	bottom	1:1	0.789	19.73	
1882.50	376500	Mid	NR Band n25 (PCS)	20	18.53	A	DFT-S-OFDM	QPSK	1	53	10 mm	bottom	1:1	0.818	19.40	
1905.00	381000	High	NR Band n25 (PCS)	20	18.53	A	DFT-S-OFDM	QPSK	1	53	10 mm	bottom	1:1	0.810	19.45	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	0.807	19.68	
1882.50	376500	Mid	NR Band n25 (PCS)	20	18.64	A	DFT-S-OFDM	QPSK	50	0	10 mm	bottom	1:1	0.811	19.55	
1905.00	381000	High	NR Band n25 (PCS)	20	18.67	A	DFT-S-OFDM	QPSK	50	0	10 mm	bottom	1:1	0.775	19.78	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.66	A	DFT-S-OFDM	QPSK	100	0	10 mm	bottom	1:1	0.802	19.62	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.62	A	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.758	19.82	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	10 mm	right	1:1	0.047	31.98	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	10 mm	right	1:1	0.047	32.03	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	10 mm	left	1:1	0.155	26.80	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	10 mm	left	1:1	0.157	26.79	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 18 of 34		

Table A-37
DSI = 3 P_{Limit} Calculations – NR Band n41 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}	
MHz	Ch.												(W/kg)			
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	10 mm	back	1:1	0.150	26.67	24.51
2592.99	518598	Mid	NR Band n41	100	18.42	F	DFT-S-OFDM	QPSK	135	138	10 mm	back	1:1	0.142	26.90	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	10 mm	front	1:1	0.091	28.84	
2592.99	518598	Mid	NR Band n41	100	18.42	F	DFT-S-OFDM	QPSK	135	138	10 mm	front	1:1	0.096	28.60	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	10 mm	top	1:1	0.160	26.39	
2592.99	518598	Mid	NR Band n41	100	18.42	F	DFT-S-OFDM	QPSK	135	138	10 mm	top	1:1	0.168	26.17	
2592.99	518598	Mid	NR Band n41	100	18.64	F	CP-OFDM	QPSK	1	1	10 mm	top	1:1	0.259	24.51	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	10 mm	right	1:1	0.037	32.75	
2592.99	518598	Mid	NR Band n41	100	18.42	F	DFT-S-OFDM	QPSK	135	138	10 mm	right	1:1	0.036	32.86	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.172	21.88	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.006	36.46	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.323	19.15	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.100	24.24	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.030	28.69	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.062	25.54	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	10 mm	top	1:1	0.041	27.33	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.001	43.46	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.020	30.45	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.051	23.63	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.010	30.71	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.013	29.57	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.006	32.93	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 19 of 34		

Table A-38
DSI = 3 P_{Limit} Calculations – NR Band n77 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Plimit	Overall Plimit		
MHz	Ch.																
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	10 mm	back	1:1	0.186	25.09	21.00	
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	10 mm	back	1:1	0.183	24.84		
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	10 mm	front	1:1	0.157	25.83		
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	10 mm	front	1:1	0.156	25.53		
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	10 mm	top	1:1	0.132	26.58		
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	10 mm	top	1:1	0.126	26.46		
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	10 mm	left	1:1	0.448	21.28		
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	10 mm	left	1:1	0.443	21.00		
3500.01	633334	Mid	NR Band n77 DoD	100	17.31	G	CP-OFDM	QPSK	1	1	10 mm	left	1:1	0.412	21.16		
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.037	27.64	26.00	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.021	30.10		
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.009	33.78		
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.054	26.00		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.273	21.00	21.00	
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.002	42.35		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	10 mm	top	1:1	0.000	55.36		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.000	55.36		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.008	36.33	19.42	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.219	19.42		
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.004	36.80		
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.000	52.82		
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.000	52.82	20.69	
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	10 mm	back	1:1	0.258	23.48		
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	10 mm	back	1:1	0.249	23.57		
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	10 mm	front	1:1	0.140	26.14		
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	10 mm	front	1:1	0.136	26.19		
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	10 mm	top	1:1	0.083	28.41		
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	10 mm	top	1:1	0.084	28.29		
3750.00	650000	Low	NR Band n77	100	17.35	G	DFT-S-OFDM	QPSK	1	137	10 mm	left	1:1	0.385	21.50		
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	10 mm	left	1:1	0.360	22.04		
3750.00	650000	Low	NR Band n77	100	17.46	G	DFT-S-OFDM	QPSK	135	0	10 mm	left	1:1	0.390	21.55		
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	10 mm	left	1:1	0.356	22.02		
3930.00	662000	High	NR Band n77	100	17.47	G	DFT-S-OFDM	QPSK	270	0	10 mm	left	1:1	0.360	21.91		
3930.00	662000	High	NR Band n77	100	17.25	G	CP-OFDM	QPSK	1	1	10 mm	left	1:1	0.453	20.69		
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.026	29.11		26.18
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.011	32.85		
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.014	31.80		
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.051	26.18		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.092	26.41	26.41	
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.000	56.05		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	10 mm	top	1:1	0.019	33.26		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.000	56.05		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.000	56.05	29.09	
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.026	29.09		
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.000	53.24		
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.003	38.47		
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.000	53.24		

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 20 of 34

Table A-39
DSI = 0 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
848.80	251	GSM 850	GPRS	29.60	9 mm	A	3	1:2.76	back	0.566	31.62	29.25
848.80	251	GSM 850	GPRS	29.60	7 mm	A	3	1:2.76	front	0.469	32.44	
848.80	251	GSM 850	GPRS	29.60	13 mm	A	3	1:2.76	bottom	0.133	37.91	
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	right	0.410	33.02	
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	left	0.978	29.25	
1909.80	810	GSM 1900	GPRS	25.98	9 mm	A	3	1:2.76	back	0.407	29.43	27.88
1909.80	810	GSM 1900	GPRS	25.98	7 mm	A	3	1:2.76	front	0.356	30.01	
1909.80	810	GSM 1900	GPRS	25.98	13 mm	A	3	1:2.76	bottom	0.582	27.88	
1909.80	810	GSM 1900	GPRS	25.98	0 mm	A	3	1:2.76	right	0.183	32.90	
1909.80	810	GSM 1900	GPRS	25.98	0 mm	A	3	1:2.76	left	0.534	28.25	
836.60	4183	UMTS 850	RMC	24.13	9 mm	A	N/A	1:1	back	0.420	31.88	30.10
836.60	4183	UMTS 850	RMC	24.13	7 mm	A	N/A	1:1	front	0.365	32.49	
836.60	4183	UMTS 850	RMC	24.13	13 mm	A	N/A	1:1	bottom	0.094	38.38	
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	right	0.265	33.88	
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	left	0.633	30.10	
1752.60	1513	UMTS 1750	RMC	23.42	9 mm	A	N/A	1:1	back	0.737	28.72	28.29
1752.60	1513	UMTS 1750	RMC	23.42	7 mm	A	N/A	1:1	front	0.650	29.27	
1752.60	1513	UMTS 1750	RMC	23.42	13 mm	A	N/A	1:1	bottom	0.627	29.43	
1752.60	1513	UMTS 1750	RMC	23.42	0 mm	A	N/A	1:1	right	0.264	33.18	
1752.60	1513	UMTS 1750	RMC	23.42	0 mm	A	N/A	1:1	left	0.815	28.29	
1852.40	9262	UMTS 1900	RMC	23.70	9 mm	A	N/A	1:1	back	0.472	30.94	28.21
1852.40	9262	UMTS 1900	RMC	23.70	7 mm	A	N/A	1:1	front	0.388	31.79	
1852.40	9262	UMTS 1900	RMC	23.70	13 mm	A	N/A	1:1	bottom	0.498	30.71	
1852.40	9262	UMTS 1900	RMC	23.70	0 mm	A	N/A	1:1	right	0.223	34.20	
1852.40	9262	UMTS 1900	RMC	23.70	0 mm	A	N/A	1:1	left	0.884	28.21	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
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FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 21 of 34

Table A-40
DSI = 0 P_{Limit} Calculations – LTE Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	9 mm	back	1:1	0.287	33.78	28.83
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	7 mm	front	1:1	0.214	35.06	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	13 mm	bottom	1:1	0.040	42.34	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	right	1:1	0.183	35.73	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	left	1:1	0.898	28.83	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	9 mm	back	1:1	0.313	33.44	30.49
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	7 mm	front	1:1	0.262	34.22	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	13 mm	bottom	1:1	0.058	40.77	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	right	1:1	0.227	34.84	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	left	1:1	0.618	30.49	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	9 mm	back	1:1	0.363	32.13	29.20
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	7 mm	front	1:1	0.318	32.71	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	13 mm	bottom	1:1	0.087	38.33	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	right	1:1	0.245	33.84	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	left	1:1	0.712	29.20	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	0	9 mm	back	1:1	0.635	29.75	28.65
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	9 mm	back	1:1	0.474	29.96	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	0	7 mm	front	1:1	0.496	30.82	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	7 mm	front	1:1	0.426	30.43	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	0	13 mm	bottom	1:1	0.819	28.65	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	13 mm	bottom	1:1	0.604	28.91	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	0	0 mm	right	1:1	0.162	35.68	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	0 mm	right	1:1	0.129	35.61	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	0	0 mm	left	1:1	0.613	29.90	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	0 mm	left	1:1	0.464	30.05	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	back	1:1	0.560	27.00	21.16
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	front	1:1	0.940	24.75	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	top	1:1	2.150	21.16	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	right	1:1	0.170	32.17	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	9 mm	back	1:1	0.530	30.24	28.60
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	9 mm	back	1:1	0.411	30.23	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	7 mm	front	1:1	0.466	30.80	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	7 mm	front	1:1	0.361	30.79	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	13 mm	bottom	1:1	0.561	29.99	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	13 mm	bottom	1:1	0.430	30.03	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	0 mm	right	1:1	0.219	34.07	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	0 mm	right	1:1	0.170	34.06	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	0 mm	left	1:1	0.773	28.60	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	0 mm	left	1:1	0.578	28.75	

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.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 22 of 34

Table A-41
DSI = 0 P_{Limit} Calculations – LTE Phablet SAR

Measurement Results															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	B	QPSK	1	0	9 mm	back	1:1.58	0.220	33.29	26.20
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	B	QPSK	50	50	9 mm	back	1:1.58	0.145	34.05	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	B	QPSK	1	0	7 mm	front	1:1.58	0.296	32.00	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	B	QPSK	50	50	7 mm	front	1:1.58	0.230	32.05	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	B	QPSK	1	0	13 mm	bottom	1:1.58	0.309	31.82	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	B	QPSK	50	50	13 mm	bottom	1:1.58	0.223	32.18	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	B	QPSK	1	0	0 mm	left	1:1.58	1.080	26.38	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	B	QPSK	50	50	0 mm	left	1:1.58	0.884	26.20	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-42
DSI = 0 P_{Limit} Calculations – NR Band n5 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	9 mm	back	1:1	0.369	31.86	28.44
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	7 mm	front	1:1	0.320	32.48	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	13 mm	bottom	1:1	0.099	37.57	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	right	1:1	0.150	35.77	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	left	1:1	0.810	28.44	

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-43
DSI = 0 P_{Limit} Calculations – NR Band n66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	9 mm	back	1:1	0.926	28.46	27.72
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	9 mm	back	1:1	0.913	28.40	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	7 mm	front	1:1	1.090	27.76	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	7 mm	front	1:1	1.070	27.72	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	13 mm	bottom	1:1	0.830	28.94	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	13 mm	bottom	1:1	0.829	28.82	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	0 mm	right	1:1	0.346	32.74	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	0 mm	right	1:1	0.373	32.29	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	0 mm	left	1:1	0.972	28.25	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	0 mm	left	1:1	0.967	28.16	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	0.810	26.79	22.08
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	1.400	24.42	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	top	1:1	2.400	22.08	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.220	32.46	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
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FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 23 of 34

Table A-44
DSI = 0 P_{Limit} Calculations – NR Band n25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	9 mm	back	1:1	0.523	29.82	27.78
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	9 mm	back	1:1	0.456	30.73	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	7 mm	front	1:1	0.560	29.53	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	7 mm	front	1:1	0.613	29.44	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	13 mm	bottom	1:1	0.655	28.85	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	13 mm	bottom	1:1	0.660	29.12	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	0 mm	right	1:1	0.316	32.01	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	0 mm	right	1:1	0.326	32.19	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	0 mm	left	1:1	0.837	27.78	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	0 mm	left	1:1	0.779	28.40	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation

Table A-45
DSI = 0 P_{Limit} Calculations – NR Band n41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	back	1:1	0.769	23.55	20.25
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	front	1:1	1.558	20.48	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	top	1:1	1.646	20.25	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	right	1:1	0.413	26.25	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CWSRS	N/A	N/A	N/A	9 mm	back	1:1	0.127	27.18	21.20
2592.99	518598	Mid	NR Band n41	100	14.24	B	CWSRS	N/A	N/A	N/A	7 mm	front	1:1	0.170	25.91	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CWSRS	N/A	N/A	N/A	13 mm	bottom	1:1	0.153	26.37	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CWSRS	N/A	N/A	N/A	0 mm	left	1:1	0.504	21.20	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CWSRS	N/A	N/A	N/A	0 mm	back	1:1	0.273	23.08	22.27
2592.99	518598	Mid	NR Band n41	100	13.46	E	CWSRS	N/A	N/A	N/A	0 mm	front	1:1	0.329	22.27	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CWSRS	N/A	N/A	N/A	0 mm	top	1:1	0.231	23.80	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CWSRS	N/A	N/A	N/A	0 mm	right	1:1	0.018	34.89	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CWSRS	N/A	N/A	N/A	0 mm	left	1:1	0.308	22.55	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CWSRS	N/A	N/A	N/A	0 mm	back	1:1	0.202	21.64	21.64
2592.99	518598	Mid	NR Band n41	100	10.71	D	CWSRS	N/A	N/A	N/A	0 mm	front	1:1	0.045	28.16	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CWSRS	N/A	N/A	N/A	0 mm	bottom	1:1	0.039	28.78	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CWSRS	N/A	N/A	N/A	0 mm	right	1:1	0.009	35.15	

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.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 24 of 34

Table A-46
DSI = 0 P_{Limit} Calculations – NR Band n77 Phablet SAR

MEASUREMENT RESULTS																		
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	Scaling Factor	SAR (10g)	Plimit	Overall Plimit		
MHz	Ch.													(W/kg)				
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	back	1:1	1.178	0.748	23.03	18.18	
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	front	1:1	1.178	0.833	22.56		
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	top	1:1	1.178	0.260	27.62		
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	left	1:1	1.178	2.150	18.44		
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	0 mm	left	1:1	1.271	2.120	18.18		
3500.01	633334	Mid	NR Band n77 DoD	100	17.44	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.276	2.020	18.37		
3500.01	633334	Mid	NR Band n77 DoD	100	17.31	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.315	2.040	18.19		
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.169	0.416	21.11	20.72	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.169	0.325	22.18		
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.169	0.026	33.15		
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.169	0.455	20.72		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.300	0.946	19.58		19.58
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.300	0.014	37.88		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	1.300	0.023	35.72		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.300	0.018	36.79		
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.300	0.020	36.33		
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.312	0.299	22.04		
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.312	1.411	15.30	13.09	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.312	0.383	20.97		
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.312	2.350	13.09		
3750.00	650000	Low	NR Band n77	100	17.35	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.303	0.837	22.10		17.52
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.230	0.845	22.31		
3750.00	650000	Low	NR Band n77	100	17.46	G	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	1.271	0.841	22.19		
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	0 mm	back	1:1	1.250	0.832	22.31		
3930.00	662000	High	NR Band n77	100	17.47	G	DFT-S-OFDM	QPSK	270	0	0 mm	back	1:1	1.268	0.865	22.08		
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	front	1:1	1.230	1.411	20.08		
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	top	1:1	1.230	0.383	25.75		
3750.00	650000	Low	NR Band n77	100	17.35	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.303	1.870	18.61		
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.230	2.060	18.44		
3750.00	650000	Low	NR Band n77	100	17.46	G	DFT-S-OFDM	QPSK	135	0	0 mm	left	1:1	1.271	1.790	18.91		
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	0 mm	left	1:1	1.250	2.000	18.50		
3930.00	662000	High	NR Band n77	100	17.47	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.268	2.060	18.31		
3930.00	662000	High	NR Band n77	100	17.25	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.334	2.350	17.52		
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.186	0.414	21.07	20.40	
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.186	0.448	20.73		
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.186	0.115	26.63		
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.186	0.483	20.40		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.109	0.192	27.20		27.20
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.109	0.015	38.27		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	1.109	0.025	36.05		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.109	0.022	36.61		
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.109	0.024	36.23		
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.191	0.411	21.08	21.08	
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.191	0.048	30.41		
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.191	0.072	28.65		
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.191	0.050	29.44		

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.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 25 of 34

Table A-47
DSI = 1 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	back	1.050	28.94	28.94
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	front	0.950	29.37	
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	bottom	0.500	32.16	
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	right	0.410	33.02	
848.80	251	GSM 850	GPRS	29.60	0 mm	A	3	1:2.76	left	0.978	29.25	
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	back	1.830	25.48	25.46
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	front	1.840	25.46	
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	bottom	0.980	28.20	
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	right	0.265	33.88	
836.60	4183	UMTS 850	RMC	24.13	0 mm	A	N/A	1:1	left	0.633	30.10	
1752.60	1513	UMTS 1750	RMC	19.39	0 mm	A	N/A	1:1	back	1.340	22.10	21.68
1752.60	1513	UMTS 1750	RMC	19.39	0 mm	A	N/A	1:1	front	1.170	22.69	
1712.40	1312	UMTS 1750	RMC	19.27	0 mm	A	N/A	1:1	bottom	1.430	21.70	
1732.40	1412	UMTS 1750	RMC	19.34	0 mm	A	N/A	1:1	bottom	1.460	21.68	
1752.60	1513	UMTS 1750	RMC	19.39	0 mm	A	N/A	1:1	bottom	1.340	22.10	
1752.60	1513	UMTS 1750	RMC	23.42	0 mm	A	N/A	1:1	right	0.264	33.18	
1752.60	1513	UMTS 1750	RMC	23.42	0 mm	A	N/A	1:1	left	0.815	28.29	
1852.40	9262	UMTS 1900	RMC	19.55	0 mm	A	N/A	1:1	back	1.040	23.36	22.81
1852.40	9262	UMTS 1900	RMC	19.55	0 mm	A	N/A	1:1	front	0.785	24.58	
1852.40	9262	UMTS 1900	RMC	19.55	0 mm	A	N/A	1:1	bottom	1.180	22.81	
1852.40	9262	UMTS 1900	RMC	23.70	0 mm	A	N/A	1:1	right	0.223	34.20	
1852.40	9262	UMTS 1900	RMC	23.70	0 mm	A	N/A	1:1	left	0.884	28.21	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
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FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 26 of 34

Table A-48
DSI = 1 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS													
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Data Rate (Mbps)	Duty Cycle	Side	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
1909.80	810	GSM 1900	GPRS	20.46	0 mm	A	4	0	1:2.076	back	0.548	23.87	23.87
1909.80	810	GSM 1900	GPRS	20.46	0 mm	A	4	0	1:2.076	front	0.477	24.47	
1909.80	810	GSM 1900	GPRS	20.46	0 mm	A	4	0	1:2.076	bottom	0.498	24.29	
1909.80	810	GSM 1900	GPRS	25.98	0 mm	A	3	0	1:2.76	right	0.183	32.90	
1909.80	810	GSM 1900	GPRS	25.98	0 mm	A	3	0	1:2.76	left	0.534	28.25	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 27 of 34		

Table A-49
DSI = 1 P_{Limit} Calculations – LTE Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	back	1:1	1.360	27.02	27.02
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	front	1:1	0.950	28.58	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	bottom	1:1	0.720	29.79	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	right	1:1	0.183	35.73	
707.50	23095	Mid	LTE Band 12	10	24.38	A	QPSK	1	0	0 mm	left	1:1	0.898	28.83	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	back	1:1	1.540	26.52	26.52
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	front	1:1	1.120	27.91	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	bottom	1:1	1.000	28.40	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	right	1:1	0.227	34.84	
782.00	23230	Mid	LTE Band 13	10	24.42	A	QPSK	1	25	0 mm	left	1:1	0.618	30.49	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	back	1:1	1.610	25.66	25.66
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	front	1:1	1.370	26.36	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	bottom	1:1	1.260	26.73	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	right	1:1	0.245	33.84	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.75	A	QPSK	1	36	0 mm	left	1:1	0.712	29.20	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	0 mm	back	1:1	1.100	22.57	22.45
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	0 mm	back	1:1	1.110	22.55	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	0 mm	front	1:1	1.130	22.45	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	0 mm	front	1:1	1.100	22.59	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.00	A	QPSK	1	50	0 mm	bottom	1:1	1.090	22.61	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.02	A	QPSK	50	25	0 mm	bottom	1:1	1.090	22.63	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	50	0 mm	right	1:1	0.162	35.68	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	0 mm	right	1:1	0.129	35.61	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.80	A	QPSK	1	50	0 mm	left	1:1	0.613	29.90	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.74	A	QPSK	50	25	0 mm	left	1:1	0.464	30.05	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	0 mm	back	1:1	1.140	22.32	22.32
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	0 mm	back	1:1	1.130	22.32	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	0 mm	front	1:1	0.690	24.50	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	0 mm	front	1:1	0.769	23.99	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.91	A	QPSK	1	50	0 mm	bottom	1:1	1.140	22.32	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.87	A	QPSK	50	25	0 mm	bottom	1:1	1.120	22.36	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	0 mm	right	1:1	0.219	34.07	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	0 mm	right	1:1	0.170	34.06	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.50	A	QPSK	1	0	0 mm	left	1:1	0.773	28.60	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.39	A	QPSK	50	0	0 mm	left	1:1	0.578	28.75	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
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FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 28 of 34

Table A-50
DSI = 1 P_{Limit} Calculations – LTE Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	back	1:1	0.560	27.00	21.16
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	front	1:1	0.940	24.75	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	top	1:1	2.150	21.16	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	right	1:1	0.170	32.17	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	20.50	F	QPSK	1	50	0 mm	left	1:1	0.090	34.94	

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.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 29 of 34		

Table A-51
DSI = 1 P_{Limit} Calculations – LTE Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.											(W/kg)			
2506.00	39750	Low	LTE Band 41	20	21.35	B	QPSK	1	50	0 mm	back	1:1.58	1.930	20.49	20.34
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	0 mm	back	1:1.58	2.000	20.41	
2593.00	40620	Mid	LTE Band 41	20	21.39	B	QPSK	1	50	0 mm	back	1:1.58	1.880	20.64	
2636.50	41055	Mid-High	LTE Band 41	20	21.38	B	QPSK	1	50	0 mm	back	1:1.58	1.800	20.82	
2680.00	41490	High	LTE Band 41	20	21.38	B	QPSK	1	50	0 mm	back	1:1.58	1.710	21.05	
2506.00	39750	Low	LTE Band 41	20	21.24	B	QPSK	50	0	0 mm	back	1:1.58	1.950	20.34	
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	0 mm	back	1:1.58	2.020	20.47	
2593.00	40620	Mid	LTE Band 41	20	21.52	B	QPSK	50	25	0 mm	back	1:1.58	1.890	20.75	
2636.50	41055	Mid-High	LTE Band 41	20	21.51	B	QPSK	50	25	0 mm	back	1:1.58	1.820	20.90	
2680.00	41490	High	LTE Band 41	20	21.51	B	QPSK	50	50	0 mm	back	1:1.58	1.820	20.90	
2593.00	40620	Mid	LTE Band 41	20	21.38	B	QPSK	100	0	0 mm	back	1:1.58	1.830	20.75	
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	0 mm	front	1:1.58	1.040	23.25	
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	0 mm	front	1:1.58	1.040	23.36	
2506.00	39750	Low	LTE Band 41	20	21.35	B	QPSK	1	50	0 mm	bottom	1:1.58	0.950	23.57	
2549.50	40185	Low-Mid	LTE Band 41	20	21.42	B	QPSK	1	50	0 mm	bottom	1:1.58	1.270	22.38	
2593.00	40620	Mid	LTE Band 41	20	21.39	B	QPSK	1	50	0 mm	bottom	1:1.58	1.150	22.78	
2636.50	41055	Mid-High	LTE Band 41	20	21.38	B	QPSK	1	50	0 mm	bottom	1:1.58	1.090	23.00	
2680.00	41490	High	LTE Band 41	20	21.38	B	QPSK	1	50	0 mm	bottom	1:1.58	1.130	22.84	
2506.00	39750	Low	LTE Band 41	20	21.24	B	QPSK	50	0	0 mm	bottom	1:1.58	0.935	23.53	
2549.50	40185	Low-Mid	LTE Band 41	20	21.53	B	QPSK	50	25	0 mm	bottom	1:1.58	1.260	22.52	
2593.00	40620	Mid	LTE Band 41	20	21.52	B	QPSK	50	25	0 mm	bottom	1:1.58	1.160	22.87	
2636.50	41055	Mid-High	LTE Band 41	20	21.51	B	QPSK	50	25	0 mm	bottom	1:1.58	1.120	23.01	
2680.00	41490	High	LTE Band 41	20	21.51	B	QPSK	50	50	0 mm	bottom	1:1.58	1.150	22.90	
2593.00	40620	Mid	LTE Band 41	20	21.38	B	QPSK	100	0	0 mm	bottom	1:1.58	1.120	22.88	
2549.50	40185	Low-Mid	LTE Band 41	20	24.72	B	QPSK	1	0	0 mm	left	1:1.58	1.080	26.38	
2549.50	40185	Low-Mid	LTE Band 41	20	23.67	B	QPSK	50	50	0 mm	left	1:1.58	0.884	26.20	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-52
DSI = 1 P_{Limit} Calculations – NR Band n5 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	back	1:1	1.360	26.19	26.01
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	front	1:1	1.420	26.01	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	bottom	1:1	1.080	27.20	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	right	1:1	0.150	35.77	
836.50	167300	Mid	NR Band n5 (Cell)	20	23.55	A	DFT-S-OFDM	QPSK	1	53	0 mm	left	1:1	0.810	28.44	

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.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 30 of 34		

Table A-53
DSI = 1 P_{Limit} Calculations – NR Band n66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.												(W/kg)			
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	0 mm	back	1:1	1.570	22.55	21.49
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	0 mm	back	1:1	1.590	22.42	
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	0 mm	front	1:1	1.440	22.93	
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	0 mm	front	1:1	1.440	22.85	
1770.00	354000	High	NR Band n66 (AWS)	20	20.53	A	DFT-S-OFDM	QPSK	1	104	0 mm	bottom	1:1	1.670	22.28	
1720.00	344000	Low	NR Band n66 (AWS)	20	19.99	A	DFT-S-OFDM	QPSK	50	28	0 mm	bottom	1:1	1.770	21.49	
1745.00	349000	Mid	NR Band n66 (AWS)	20	20.26	A	DFT-S-OFDM	QPSK	50	28	0 mm	bottom	1:1	1.710	21.91	
1770.00	354000	High	NR Band n66 (AWS)	20	20.45	A	DFT-S-OFDM	QPSK	50	28	0 mm	bottom	1:1	1.880	21.69	
1770.00	354000	High	NR Band n66 (AWS)	20	19.97	A	DFT-S-OFDM	QPSK	100	0	0 mm	bottom	1:1	1.650	21.77	
1770.00	354000	High	NR Band n66 (AWS)	20	20.19	A	CP-OFDM	QPSK	1	1	0 mm	bottom	1:1	1.720	21.81	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	0 mm	right	1:1	0.346	32.74	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	0 mm	right	1:1	0.373	32.29	
1770.00	354000	High	NR Band n66 (AWS)	20	24.15	A	DFT-S-OFDM	QPSK	1	104	0 mm	left	1:1	0.972	28.25	
1770.00	354000	High	NR Band n66 (AWS)	20	24.03	A	DFT-S-OFDM	QPSK	50	28	0 mm	left	1:1	0.967	28.16	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	0.810	26.79	22.08
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	1.400	24.42	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	top	1:1	2.400	22.08	
1720.00	344000	Low	NR Band n66 (AWS)	20	21.90	F	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.220	32.46	

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.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 31 of 34		

Table A-54
DSI = 1 P_{Limit} Calculations – NR Band n25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	0 mm	back	1:1	1.510	20.89	20.48
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	0 mm	back	1:1	1.620	20.63	
1882.50	376500	Mid	NR Band n25 (PCS)	20	18.64	A	DFT-S-OFDM	QPSK	50	0	0 mm	back	1:1	1.330	21.38	
1905.00	381000	High	NR Band n25 (PCS)	20	18.67	A	DFT-S-OFDM	QPSK	50	0	0 mm	back	1:1	1.300	21.51	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.62	A	CP-OFDM	QPSK	1	1	0 mm	back	1:1	1.630	20.48	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	0 mm	front	1:1	0.972	22.80	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	0 mm	front	1:1	0.979	22.82	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.70	A	DFT-S-OFDM	QPSK	1	104	0 mm	bottom	1:1	1.590	20.67	
1860.00	372000	Low	NR Band n25 (PCS)	20	18.75	A	DFT-S-OFDM	QPSK	50	28	0 mm	bottom	1:1	1.500	20.97	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	0 mm	right	1:1	0.316	32.01	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	0 mm	right	1:1	0.326	32.19	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.03	A	DFT-S-OFDM	QPSK	1	53	0 mm	left	1:1	0.837	27.78	
1860.00	372000	Low	NR Band n25 (PCS)	20	23.34	A	DFT-S-OFDM	QPSK	50	28	0 mm	left	1:1	0.779	28.40	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 32 of 34		

Table A-55
DSI = 1 P_{Limit} Calculations – NR Band n41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	back	1:1	0.769	23.55	20.25
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	front	1:1	1.558	20.48	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	top	1:1	1.646	20.25	
2592.99	518598	Mid	NR Band n41	100	18.43	F	DFT-S-OFDM	QPSK	1	271	0 mm	right	1:1	0.413	26.25	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.777	19.32	19.32
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.546	20.85	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	0.604	20.41	
2592.99	518598	Mid	NR Band n41	100	14.24	B	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	0.504	21.20	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.273	23.08	22.27
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.329	22.27	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	0.231	23.80	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	0.018	34.89	
2592.99	518598	Mid	NR Band n41	100	13.46	E	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	0.308	22.55	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.202	21.64	21.64
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.045	28.16	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	0.039	28.78	
2592.99	518598	Mid	NR Band n41	100	10.71	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	0.009	35.15	

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.







FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset	APPENDIX A: Page 33 of 34		

Table A-56
DSI = 1 P_{Limit} Calculations – NR Band n77 Phablet SAR

MEASUREMENT RESULTS																Overall Plimit	
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	Scaling Factor	SAR (10g)	Plimit		
MHz	Ch.													(W/kg)			
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	back	1:1	1.178	0.748	23.03	18.18
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	front	1:1	1.178	0.833	22.56	
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	top	1:1	1.178	0.260	27.62	
3500.01	633334	Mid	NR Band n77 DoD	100	17.79	G	DFT-S-OFDM	QPSK	1	271	0 mm	left	1:1	1.178	2.150	18.44	
3500.01	633334	Mid	NR Band n77 DoD	100	17.46	G	DFT-S-OFDM	QPSK	135	138	0 mm	left	1:1	1.271	2.120	18.18	
3500.01	633334	Mid	NR Band n77 DoD	100	17.44	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.276	2.020	18.37	
3500.01	633334	Mid	NR Band n77 DoD	100	17.31	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.315	2.040	18.19	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.169	0.416	21.11	20.72
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.169	0.325	22.18	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.169	0.026	33.15	
3500.01	633334	Mid	NR Band n77 DoD	100	13.32	C	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.169	0.455	20.72	
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.300	0.946	19.58	
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.300	0.014	37.88	
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	1.300	0.023	35.72	19.58
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.300	0.018	36.79	
3500.01	633334	Mid	NR Band n77 DoD	100	15.36	H	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.300	0.020	36.33	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.312	0.299	22.04	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.312	1.411	15.30	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.312	0.383	20.97	
3500.01	633334	Mid	NR Band n77 DoD	100	12.82	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.312	2.350	13.09	13.09
3750.00	650000	Low	NR Band n77	100	17.35	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.303	0.837	22.10	
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.230	0.845	22.31	
3750.00	650000	Low	NR Band n77	100	17.46	G	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	1.271	0.841	22.19	
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	0 mm	back	1:1	1.250	0.832	22.31	
3930.00	662000	High	NR Band n77	100	17.47	G	DFT-S-OFDM	QPSK	270	0	0 mm	back	1:1	1.268	0.865	22.08	
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	front	1:1	1.230	1.411	20.08	17.52
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	top	1:1	1.230	0.383	25.75	
3750.00	650000	Low	NR Band n77	100	17.35	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.303	1.870	18.61	
3930.00	662000	High	NR Band n77	100	17.60	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.230	2.060	18.44	
3750.00	650000	Low	NR Band n77	100	17.46	G	DFT-S-OFDM	QPSK	135	0	0 mm	left	1:1	1.271	1.790	18.91	
3930.00	662000	High	NR Band n77	100	17.53	G	DFT-S-OFDM	QPSK	135	69	0 mm	left	1:1	1.250	2.000	18.50	
3930.00	662000	High	NR Band n77	100	17.47	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.268	2.060	18.31	
3930.00	662000	High	NR Band n77	100	17.25	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.334	2.350	17.52	
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.186	0.414	21.07	20.40
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.186	0.448	20.73	
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.186	0.115	26.63	
3750.00	650000	Low	NR Band n77	100	13.26	C	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.186	0.483	20.40	
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.109	0.192	27.20	
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.109	0.015	38.27	
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	1.109	0.025	36.05	27.20
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.109	0.022	36.61	
3930.00	662000	High	NR Band n77	100	16.05	H	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	1.109	0.024	36.23	
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.191	0.411	21.08	
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	1.191	0.048	30.41	
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.191	0.072	28.65	
3930.00	662000	High	NR Band n77	100	13.24	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	1.191	0.050	29.44	21.08

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.

FCC ID: A3LSMS901E	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 02/16/22 – 03/07/22	DUT Type: Portable Handset			APPENDIX A: Page 34 of 34