

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

A.1 PLIMIT ADJUSTMENTS

SAR test results and powers are referenced from the original filing. Only EFS Plimits were adjusted for simultaneous sum purposes.

Table A-1
DSI = 3 P_{Limit} Calculations – LTE Band 30 Antenna B Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.05	2310.00	27710	0.0	25.0	23.52	1	0	Right Cheek	0	0.043	1.406	0.060	0.235	0.147	37.1		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.09	2310.00	27710	1.0	24.0	22.20	25	12	Right Cheek	0	0.038	1.349	0.051	0.251	0.157	36.9		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.10	2310.00	27710	0.0	25.0	23.52	1	0	Right Tilt	0	0.037	1.406	0.052	0.260	0.126	37.8		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.03	2310.00	27710	1.0	24.0	22.20	25	12	Right Tilt	0	0.037	1.349	0.050	0.244	0.153	37.0		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.07	2310.00	27710	0.0	25.0	23.52	1	0	Left Cheek	0	0.054	1.406	0.076	0.295	0.184	36.1		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.12	2310.00	27710	1.0	24.0	22.20	25	12	Left Cheek	0	0.044	1.349	0.059	0.291	0.152	36.2		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.01	2310.00	27710	0.0	25.0	23.52	1	0	Left Tilt	0	0.019	1.406	0.027	0.104	0.065	40.7		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.02	2310.00	27710	1.0	24.0	22.20	25	12	Left Tilt	0	0.038	1.349	0.024	0.119	0.074	40.1		
ANSI/IEEE CS-19-2012 SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram							

Table A-2
DSI = 3 P_{Limit} Calculations – NR Band n66 Antenna B Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Offset [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.00	1745.00	349000	OFDM + OFDM	0.0	25.0	24.23	1	240	Right Cheek	0	0.098	1.194	0.117	0.445	0.278	34.3		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.00	1745.00	349000	OFDM + OFDM	0.0	25.0	24.26	120	61	Right Cheek	0	0.109	1.186	0.119	0.461	0.307	33.8		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	CP-OFDM	1.5	23.5	21.93	1	1	Right Cheek	0	0.051	1.435	0.073	0.393	0.246	34.8		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	OFDM + OFDM	0.0	25.0	24.23	1	240	Right Tilt	0	0.099	1.194	0.070	0.288	0.188	36.5		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.07	1745.00	349000	OFDM + OFDM	0.0	25.0	24.26	120	61	Right Tilt	0	0.085	1.186	0.077	0.299	0.189	36.1		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.07	1745.00	349000	OFDM + OFDM	0.0	25.0	24.23	1	240	Left Cheek	0	0.043	1.194	0.061	0.195	0.122	37.8		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	OFDM + OFDM	0.0	25.0	24.26	120	61	Left Cheek	0	0.098	1.186	0.045	0.171	0.107	38.4		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.03	1745.00	349000	OFDM + OFDM	0.0	25.0	24.23	1	240	Left Tilt	0	0.032	1.194	0.038	0.145	0.091	39.1		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.05	1745.00	349000	OFDM + OFDM	0.0	25.0	24.26	120	61	Left Tilt	0	0.031	1.186	0.037	0.140	0.088	39.3		
ANSI/IEEE CS-19-2012 SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

A.2 SAR TEST RESULTS

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation. See the original filing for all other operations that were not evaluated in this permissive change.

Table A-3
DSI = 1 P_{Limit} Calculations – LTE Band 66 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.07	1720.00	132072	0.0	17.55	1	50	Back	9	0.179	29.0		
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.01	1720.00	132072	0.0	17.55	1	50	Front	0	0.297	26.8		
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.09	1720.00	132072	0.0	17.55	1	50	Top	11	0.157	29.5		
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.02	1720.00	132072	0.0	17.55	1	50	Right	0	0.074	32.8	26.8	17.0

Table A-4
DSI = 5 P_{Limit} Calculations – LTE Band 66 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.03	1720.00	132072	0.0	17.55	1	50	Back	0	1.050	21.3		
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.01	1720.00	132072	0.0	17.55	1	50	Front	0	0.297	26.8		
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	0.04	1720.00	132072	0.0	17.55	1	50	Top	0	1.160	20.8		
Phablet	LTE Band 66	20	QPSK	G	1745M	1:1	-0.02	1720.00	132072	0.0	17.55	1	50	Right	0	0.074	32.8	20.8	17.0

Table A-5
DSI = 1 P_{Limit} Calculations – LTE Band 25 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	-0.04	1860.00	26140	0.0	16.59	50	0	Back	9	0.125	29.6		
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	-0.05	1860.00	26140	0.0	16.59	50	0	Front	0	0.192	27.7		
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	0.01	1860.00	26140	0.0	16.59	50	0	Top	11	0.113	30.0		
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	0.00	1860.00	26140	0.0	16.59	50	0	Right	0	0.084	31.3	27.7	17.0

FCC ID: A3LSMF966U	PART 0 SAR CHAR REPORT															Approved by: Technical Manager			
Document S/N: 1M2504220043-05.A3L	DUT Type: Portable Handset															APPENDIX A: Page 1 of 5			

REV 1.1
04/08/2022

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Table A-6
DSI = 5 P_{Limit} Calculations – LTE Band 25 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	-0.02	1860.00	26140	0.0	16.59	50	0	Back	0	0.842	21.3	20.6	17.0
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	-0.05	1860.00	26140	0.0	16.59	50	0	Front	0	0.192	27.7		
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	-0.02	1860.00	26140	0.0	16.59	50	0	Top	0	0.985	20.6		
Phablet	LTE Band 25	20	QPSK	G	1752M	1:1	0.00	1860.00	26140	0.0	16.59	50	0	Right	0	0.084	31.3		

Table A-7
DSI = 1 P_{Limit} Calculations – LTE Band 30 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	0.02	2310.00	27710	0.0	17.66	1	0	Back	9	0.179	29.1	26.1	18.0
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.08	2310.00	27710	0.0	17.66	1	0	Front	0	0.356	26.1		
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.03	2310.00	27710	0.0	17.66	1	0	Top	11	0.171	29.3		
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.03	2310.00	27710	0.0	17.66	1	0	Right	0	0.097	31.7		

Table A-8
DSI = 5 P_{Limit} Calculations – LTE Band 30 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.11	2310.00	27710	0.0	17.66	1	0	Back	0	1.180	20.9	19.4	18.0
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.08	2310.00	27710	0.0	17.66	1	0	Front	0	0.356	26.1		
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.03	2310.00	27710	0.0	17.66	1	0	Top	0	1.650	19.4		
Phablet	LTE Band 30	10	QPSK	G	1737M	1:1	-0.03	2310.00	27710	0.0	17.66	1	0	Right	0	0.097	31.7		

Table A-9
DSI = 1 P_{Limit} Calculations – LTE Band 7 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	0.02	2560.00	21350	0.0	16.15	1	0	Back	9	0.145	28.5	23.6	16.5
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	-0.06	2560.00	21350	0.0	16.15	1	0	Front	0	0.445	23.6		
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	-0.04	2560.00	21350	0.0	16.15	1	0	Top	11	0.157	28.1		
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	0.03	2560.00	21350	0.0	16.15	1	0	Right	0	0.114	29.5		

Table A-10
DSI = 5 P_{Limit} Calculations – LTE Band 7 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	0.02	2560.00	21350	0.0	16.15	1	0	Back	0	0.926	20.4	19.0	16.5
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	-0.06	2560.00	21350	0.0	16.15	1	0	Front	0	0.445	23.6		
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	0.03	2560.00	21350	0.0	16.15	1	0	Top	0	1.290	19.0		
Phablet	LTE Band 7	20	QPSK	G	1737M	1:1	0.03	2560.00	21350	0.0	16.15	1	0	Right	0	0.114	29.5		

Table A-11
DSI = 1 P_{Limit} Calculations – LTE Band 41 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	-0.02	2549.50	40185	0.0	18.20	50	50	Back	9	0.200	27.1	21.9	16.5
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	-0.04	2549.50	40185	0.0	18.20	50	50	Front	0	0.664	21.9		
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	0.00	2549.50	40185	0.0	18.20	50	50	Top	11	0.229	26.5		
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	0.00	2549.50	40185	0.0	18.20	50	50	Right	0	0.138	28.7		

Table A-12
DSI = 5 P_{Limit} Calculations – LTE Band 41 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	0.03	2549.50	40185	0.0	18.20	50	50	Back	0	1.470	18.5	17.8	16.5
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	-0.04	2549.50	40185	0.0	18.20	50	50	Front	0	0.664	21.9		
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	0.04	2549.50	40185	0.0	18.20	50	50	Top	0	1.700	17.8		
Phablet	LTE Band 41	20	QPSK	G	1737M	1:1.58	0.00	2549.50	40185	0.0	18.20	50	50	Right	0	0.138	28.7		

FCC ID: A3LSMF966U	PART 0 SAR CHAR REPORT										Approved by: Technical Manager								
Document S/N: 1M2504220043-05.A3L	DUT Type: Portable Handset										APPENDIX A: Page 2 of 5								

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Table A-13
DSI = 1 P_{Limit} Calculations – NR Band n70 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	0.03	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Back	9	0.180	28.3	25.9	17.0
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	-0.07	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Front	0	0.336	25.9		
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Top	11	0.164	28.7		
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Right	0	0.055	33.5		

Table A-14
DSI = 5 P_{Limit} Calculations – NR Band n70 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	0.03	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Back	0	1.040	20.7	20.1	17.0
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	-0.07	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Front	0	0.336	25.9		
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	0.07	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Top	0	1.200	20.1		
Phablet	NR Band n70	15	QPSK	G	1752M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	16.93	1	1	Right	0	0.055	33.5		

Table A-15
DSI = 1 P_{Limit} Calculations – NR Band n66 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Back	9	0.192	28.5	26.4	17.0
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Front	0	0.309	26.4		
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Top	11	0.170	29.0		
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	-0.06	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Right	0	0.076	32.5		

Table A-16
DSI = 5 P_{Limit} Calculations – NR Band n66 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Back	0	1.030	21.2	20.5	17.0
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Front	0	0.309	26.4		
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Top	0	1.200	20.5		
Phablet	NR Band n66	45	QPSK	G	1745M	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	17.36	120	0	Right	0	0.076	32.5		

Table A-17
DSI = 1 P_{Limit} Calculations – NR Band n25 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	-0.07	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Back	9	0.126	30.3	28.1	17.0
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	-0.05	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Front	0	0.207	28.1		
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	-0.03	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Top	11	0.126	30.3		
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	0.02	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Right	0	0.087	31.9		

Table A-18
DSI = 5 P_{Limit} Calculations – NR Band n25 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	0.08	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Back	0	0.812	22.2	21.6	17.0
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	-0.05	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Front	0	0.207	28.1		
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	-0.01	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Top	0	0.929	21.6		
Phablet	NR Band n25	40	QPSK	G	1752M	1:1	0.02	1882.50	376500	CP-OFDM	0.0	17.37	1	1	Right	0	0.087	31.9		

Table A-19
DSI = 1 P_{Limit} Calculations – NR Band n30 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Back	9	0.394	25.7	25.7	18.0
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Front	0	0.937	26.5		
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Top	11	0.174	29.2		
Phablet	NR Band n30	10	QPSK	G	1724<	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Right	0	0.108	31.3		

FCC ID: A3LSMF966U	PART 0 SAR CHAR REPORT										Approved by: Technical Manager									
Document S/N: 1M2504220043-05.A3L	DUT Type: Portable Handset										APPENDIX A: Page 3 of 5									

Table A-20
DSI = 5 P_{Limit} Calculations – NR Band n30 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Back	0	0.580	21.7	19.6	18.0
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Front	0	0.327	26.5		
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Top	0	1.590	19.6		
Phablet	NR Band n30	10	QPSK	G	1724M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	17.70	25	0	Right	0	0.108	31.3		

Table A-21
DSI = 1 P_{Limit} Calculations – NR Band n7 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.07	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Back	9	0.144	28.7	22.5	16.5
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Front	0	0.603	22.5		
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Top	11	0.186	27.6		
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Right	0	0.102	30.2		

Table A-22
DSI = 5 P_{Limit} Calculations – NR Band n7 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Back	0	0.999	20.3	18.3	16.5
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Front	0	0.603	22.5		
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Top	0	1.590	18.3		
Phablet	NR Band n7	50	QPSK	G	1724M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	16.36	1	268	Right	0	0.102	30.2		

Table A-23
DSI = 1 P_{Limit} Calculations – NR Band n41 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	0.07	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Back	9	0.188	28.1	22.6	16.5
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	-0.03	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Front	0	0.667	22.6		
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	-0.04	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Top	11	0.262	26.6		
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Right	0	0.170	28.5		

Table A-24
DSI = 5 P_{Limit} Calculations – NR Band n41 Antenna G Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	-0.11	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Back	0	1.720	18.5	17.8	16.5
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	-0.03	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Front	0	0.667	22.6		
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	-0.07	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Top	0	1.980	17.8		
Phablet	NR Band n41	100	QPSK	G	1737M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	16.88	1	1	Right	0	0.170	28.5		

Table A-25
DSI = 1/5 P_{Limit} Calculations – NR Band n41 Antenna B Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n41	100	B	1737M	1:1	-0.09	2592.99	518598	CW/SRS	18.18	Back	0	1.690	19.8	19.8	17.5
Phablet	NR Band n41	100	B	1737M	1:1	0.01	2592.99	518598	CW/SRS	18.18	Front	0	0.306	27.3		
Phablet	NR Band n41	100	B	1737M	1:1	0.17	2592.99	518598	CW/SRS	18.18	Bottom	0	1.380	20.7		
Phablet	NR Band n41	100	B	1737M	1:1	0.06	2592.99	518598	CW/SRS	18.18	Left	0	0.132	30.9		

Table A-26
DSI = 1/5 P_{Limit} Calculations – NR Band n41 Antenna D Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n41	100	D	1737M	1:1	0.06	2592.99	518598	CW/SRS	14.43	Back	0	0.370	22.7	22.7	14.0
Phablet	NR Band n41	100	D	1737M	1:1	-0.03	2592.99	518598	CW/SRS	14.43	Front	0	0.026	34.2		
Phablet	NR Band n41	100	D	1737M	1:1	-0.08	2592.99	518598	CW/SRS	14.43	Right	0	0.125	27.4		

FCC ID: A3LSMF966U	PART 0 SAR CHAR REPORT										Approved by: Technical Manager				
Document S/N: 1M2504220043-05.A3L	DUT Type: Portable Handset										APPENDIX A: Page 4 of 5				

Table A-27
DSI = 1/5 P_{Limit} Calculations – NR Band n41 Antenna H Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	NR Band n41	100	H	1737M	1:1	0.09	2592.99	518598	CW/SRS	14.89	Back	0	0.323	23.7	23.7	14.0
Phablet	NR Band n41	100	H	1737M	1:1	0.12	2592.99	518598	CW/SRS	14.89	Front	0	0.023	35.2		
Phablet	NR Band n41	100	H	1737M	1:1	-0.09	2592.99	518598	CW/SRS	14.89	Right	0	0.259	24.7		

FCC ID: A3LSMF966U	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1M2504220043-05.A3L	DUT Type: Portable Handset	APPENDIX A: Page 5 of 5

REV 1.1
04/08/2022