

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

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

MEASUREMENT RESULTS										
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Side	Test Position	Duty Cycle	SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.							(W/kg)	[dBm]	[dBm]
820.10	564	CDMA BC10 (§90S)	RC3 / SO55	24.77	Right	Cheek	1:1	0.191	31.96	30.86
820.10	564	CDMA BC10 (§90S)	RC3 / SO55	24.77	Right	Tilt	1:1	0.084	35.53	
820.10	564	CDMA BC10 (§90S)	RC3 / SO55	24.77	Left	Cheek	1:1	0.126	33.77	
820.10	564	CDMA BC10 (§90S)	RC3 / SO55	24.77	Left	Tilt	1:1	0.085	35.48	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. A	24.82	Right	Cheek	1:1	0.249	30.86	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. A	24.82	Right	Tilt	1:1	0.090	35.28	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. A	24.82	Left	Cheek	1:1	0.134	33.55	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. A	24.82	Left	Tilt	1:1	0.068	36.49	
836.52	384	CDMA BC0 (§22H)	RC3 / SO55	24.55	Right	Cheek	1:1	0.178	32.05	31.70
836.52	384	CDMA BC0 (§22H)	RC3 / SO55	24.55	Right	Tilt	1:1	0.075	35.80	
836.52	384	CDMA BC0 (§22H)	RC3 / SO55	24.55	Left	Cheek	1:1	0.126	33.55	
836.52	384	CDMA BC0 (§22H)	RC3 / SO55	24.55	Left	Tilt	1:1	0.078	35.63	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. A	24.58	Right	Cheek	1:1	0.194	31.70	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. A	24.58	Right	Tilt	1:1	0.081	35.50	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. A	24.58	Left	Cheek	1:1	0.123	33.68	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. A	24.58	Left	Tilt	1:1	0.069	36.19	
1880.00	600	PCS CDMA	RC3 / SO55	23.13	Right	Cheek	1:1	0.109	32.76	31.75
1880.00	600	PCS CDMA	RC3 / SO55	23.13	Right	Tilt	1:1	0.066	34.93	
1880.00	600	PCS CDMA	RC3 / SO55	23.13	Left	Cheek	1:1	0.123	32.23	
1880.00	600	PCS CDMA	RC3 / SO55	23.13	Left	Tilt	1:1	0.061	35.28	
1880.00	600	PCS CDMA	EVDO Rev. A	23.18	Right	Cheek	1:1	0.104	33.01	
1880.00	600	PCS CDMA	EVDO Rev. A	23.18	Right	Tilt	1:1	0.057	35.62	
1880.00	600	PCS CDMA	EVDO Rev. A	23.18	Left	Cheek	1:1	0.139	31.75	
1880.00	600	PCS CDMA	EVDO Rev. A	23.18	Left	Tilt	1:1	0.064	35.12	
836.60	190	GSM 850	GSM	32.36	Right	Cheek	1:8.3	0.125	32.19	32.19
836.60	190	GSM 850	GSM	32.36	Right	Tilt	1:8.3	0.050	36.17	
836.60	190	GSM 850	GSM	32.36	Left	Cheek	1:8.3	0.087	33.76	
836.60	190	GSM 850	GSM	32.36	Left	Tilt	1:8.3	0.051	36.08	
1880.00	661	GSM 1900	GSM	29.15	Right	Cheek	1:8.3	0.054	32.62	31.89
1880.00	661	GSM 1900	GSM	29.15	Right	Tilt	1:8.3	0.027	35.64	
1880.00	661	GSM 1900	GSM	29.15	Left	Cheek	1:8.3	0.064	31.89	
1880.00	661	GSM 1900	GSM	29.15	Left	Tilt	1:8.3	0.021	36.73	
836.60	4183	UMTS 850	RMC	24.64	Right	Cheek	1:1	0.176	32.18	32.18
836.60	4183	UMTS 850	RMC	24.64	Right	Tilt	1:1	0.073	36.01	
836.60	4183	UMTS 850	RMC	24.64	Left	Cheek	1:1	0.126	33.64	
836.60	4183	UMTS 850	RMC	24.64	Left	Tilt	1:1	0.078	35.72	
1732.40	1412	UMTS 1750	RMC	23.53	Right	Cheek	1:1	0.115	32.92	31.63
1732.40	1412	UMTS 1750	RMC	23.53	Right	Tilt	1:1	0.108	33.20	
1732.40	1412	UMTS 1750	RMC	23.53	Left	Cheek	1:1	0.155	31.63	
1732.40	1412	UMTS 1750	RMC	23.53	Left	Tilt	1:1	0.100	33.53	
1880.00	9400	UMTS 1900	RMC	22.92	Right	Cheek	1:1	0.109	32.55	31.88
1880.00	9400	UMTS 1900	RMC	22.92	Right	Tilt	1:1	0.059	35.21	
1880.00	9400	UMTS 1900	RMC	22.92	Left	Cheek	1:1	0.127	31.88	
1880.00	9400	UMTS 1900	RMC	22.92	Left	Tilt	1:1	0.056	35.44	

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

FCC ID: A3LSMG996U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset	APPENDIX A: Page 1 of 27

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REV 1.0
06/01/2019

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

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit [dBm]
MHz	Ch.	(W/kg)											[dBm]		
680.5	133297	Mid	LTE Band 71	20	25.02	0	Right	Cheek	QPSK	1	0	1:1	0.077	36.16	35.54
680.5	133297	Mid	LTE Band 71	20	24.23	1	Right	Cheek	QPSK	50	25	1:1	0.074	35.54	
680.5	133297	Mid	LTE Band 71	20	25.02	0	Right	Tilt	QPSK	1	0	1:1	0.030	40.25	
680.5	133297	Mid	LTE Band 71	20	24.23	1	Right	Tilt	QPSK	50	25	1:1	0.026	40.08	
680.5	133297	Mid	LTE Band 71	20	25.02	0	Left	Cheek	QPSK	1	0	1:1	0.071	36.51	
680.5	133297	Mid	LTE Band 71	20	24.23	1	Left	Cheek	QPSK	50	25	1:1	0.057	36.67	
680.5	133297	Mid	LTE Band 71	20	25.02	0	Left	Tilt	QPSK	1	0	1:1	0.037	39.34	
680.5	133297	Mid	LTE Band 71	20	24.23	1	Left	Tilt	QPSK	50	25	1:1	0.028	39.76	
707.5	23095	Mid	LTE Band 12	10	25.16	0	Right	Cheek	QPSK	1	25	1:1	0.133	33.92	33.82
707.5	23095	Mid	LTE Band 12	10	24.31	1	Right	Cheek	QPSK	25	12	1:1	0.112	33.82	
707.5	23095	Mid	LTE Band 12	10	25.16	0	Right	Tilt	QPSK	1	25	1:1	0.052	38.00	
707.5	23095	Mid	LTE Band 12	10	24.31	1	Right	Tilt	QPSK	25	12	1:1	0.042	38.08	
707.5	23095	Mid	LTE Band 12	10	25.16	0	Left	Cheek	QPSK	1	25	1:1	0.130	34.02	
707.5	23095	Mid	LTE Band 12	10	24.31	1	Left	Cheek	QPSK	25	12	1:1	0.105	34.10	
707.5	23095	Mid	LTE Band 12	10	25.16	0	Left	Tilt	QPSK	1	25	1:1	0.073	36.53	
707.5	23095	Mid	LTE Band 12	10	24.31	1	Left	Tilt	QPSK	25	12	1:1	0.059	36.60	
782.0	23230	Mid	LTE Band 13	10	25.16	0	Right	Cheek	QPSK	1	49	1:1	0.142	33.64	33.64
782.0	23230	Mid	LTE Band 13	10	24.22	1	Right	Cheek	QPSK	25	12	1:1	0.111	33.77	
782.0	23230	Mid	LTE Band 13	10	25.16	0	Right	Tilt	QPSK	1	49	1:1	0.071	36.65	
782.0	23230	Mid	LTE Band 13	10	24.22	1	Right	Tilt	QPSK	25	12	1:1	0.052	37.06	
782.0	23230	Mid	LTE Band 13	10	25.16	0	Left	Cheek	QPSK	1	49	1:1	0.120	34.37	
782.0	23230	Mid	LTE Band 13	10	24.22	1	Left	Cheek	QPSK	25	12	1:1	0.088	34.78	
782.0	23230	Mid	LTE Band 13	10	25.16	0	Left	Tilt	QPSK	1	49	1:1	0.068	36.83	
782.0	23230	Mid	LTE Band 13	10	24.22	1	Left	Tilt	QPSK	25	12	1:1	0.051	37.14	
793.0	23330	Mid	LTE Band 14	10	25.17	0	Right	Cheek	QPSK	1	49	1:1	0.173	32.79	32.78
793.0	23330	Mid	LTE Band 14	10	24.15	1	Right	Cheek	QPSK	25	12	1:1	0.137	32.78	
793.0	23330	Mid	LTE Band 14	10	25.17	0	Right	Tilt	QPSK	1	49	1:1	0.077	36.30	
793.0	23330	Mid	LTE Band 14	10	24.15	1	Right	Tilt	QPSK	25	12	1:1	0.062	36.23	
793.0	23330	Mid	LTE Band 14	10	25.17	0	Left	Cheek	QPSK	1	49	1:1	0.128	34.09	
793.0	23330	Mid	LTE Band 14	10	24.15	1	Left	Cheek	QPSK	25	12	1:1	0.100	34.15	
793.0	23330	Mid	LTE Band 14	10	25.17	0	Left	Tilt	QPSK	1	49	1:1	0.077	36.30	
793.0	23330	Mid	LTE Band 14	10	24.15	1	Left	Tilt	QPSK	25	12	1:1	0.058	36.52	
831.5	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	Right	Cheek	QPSK	1	36	1:1	0.181	32.40	32.17
831.5	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	Right	Cheek	QPSK	36	18	1:1	0.151	32.17	
831.5	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	Right	Tilt	QPSK	1	36	1:1	0.083	35.79	
831.5	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	Right	Tilt	QPSK	36	18	1:1	0.067	35.70	
831.5	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	Left	Cheek	QPSK	1	36	1:1	0.147	33.31	
831.5	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	Left	Cheek	QPSK	36	18	1:1	0.109	33.59	
831.5	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	Left	Tilt	QPSK	1	36	1:1	0.074	36.29	
831.5	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	Left	Tilt	QPSK	36	18	1:1	0.058	36.33	
836.5	20525	Mid	LTE Band 5 (Cell)	10	24.91	0	Right	Cheek	QPSK	1	25	1:1	0.171	32.58	32.58
836.5	20525	Mid	LTE Band 5 (Cell)	10	23.97	1	Right	Cheek	QPSK	25	25	1:1	0.133	32.73	
836.5	20525	Mid	LTE Band 5 (Cell)	10	24.91	0	Right	Tilt	QPSK	1	25	1:1	0.088	35.47	
836.5	20525	Mid	LTE Band 5 (Cell)	10	23.97	1	Right	Tilt	QPSK	25	25	1:1	0.075	35.22	
836.5	20525	Mid	LTE Band 5 (Cell)	10	24.91	0	Left	Cheek	QPSK	1	25	1:1	0.116	34.27	
836.5	20525	Mid	LTE Band 5 (Cell)	10	23.97	1	Left	Cheek	QPSK	25	25	1:1	0.098	34.06	
836.5	20525	Mid	LTE Band 5 (Cell)	10	24.91	0	Left	Tilt	QPSK	1	25	1:1	0.071	36.40	
836.5	20525	Mid	LTE Band 5 (Cell)	10	23.97	1	Left	Tilt	QPSK	25	25	1:1	0.056	36.49	

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

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Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset	APPENDIX A: Page 2 of 27		

Table A-3
DSI = 2 P_{Limit} Calculations – 4G Head SAR

MEASUREMENT RESULTS														
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.											(W/kg)	[dBm]	[dBm]
1720.0	132072	Low	LTE Band 66 (AWS)	20	23.76	0	Right	Cheek	QPSK	1	50	1:1	0.110	33.35
1720.0	132072	Low	LTE Band 66 (AWS)	20	22.83	1	Right	Cheek	QPSK	50	25	1:1	0.093	33.15
1720.0	132072	Low	LTE Band 66 (AWS)	20	23.76	0	Right	Tilt	QPSK	1	50	1:1	0.096	33.94
1720.0	132072	Low	LTE Band 66 (AWS)	20	22.83	1	Right	Tilt	QPSK	50	25	1:1	0.075	34.08
1720.0	132072	Low	LTE Band 66 (AWS)	20	23.50	0	Left	Cheek	QPSK	1	99	1:1	0.194	30.62
1720.0	132072	Low	LTE Band 66 (AWS)	20	22.83	1	Left	Cheek	QPSK	50	25	1:1	0.151	31.04
1720.0	132072	Low	LTE Band 66 (AWS)	20	23.76	0	Left	Tilt	QPSK	1	50	1:1	0.095	33.98
1720.0	132072	Low	LTE Band 66 (AWS)	20	22.83	1	Left	Tilt	QPSK	50	25	1:1	0.085	33.54
1860.0	26140	Low	LTE Band 25 (PCS)	20	24.03	0	Right	Cheek	QPSK	1	0	1:1	0.089	34.54
1860.0	26140	Low	LTE Band 25 (PCS)	20	23.09	1	Right	Cheek	QPSK	50	0	1:1	0.075	34.34
1860.0	26140	Low	LTE Band 25 (PCS)	20	24.03	0	Right	Tilt	QPSK	1	0	1:1	0.051	36.95
1860.0	26140	Low	LTE Band 25 (PCS)	20	23.09	1	Right	Tilt	QPSK	50	0	1:1	0.048	36.28
1860.0	26140	Low	LTE Band 25 (PCS)	20	24.03	0	Left	Cheek	QPSK	1	0	1:1	0.145	32.42
1860.0	26140	Low	LTE Band 25 (PCS)	20	23.09	1	Left	Cheek	QPSK	50	0	1:1	0.114	32.52
1860.0	26140	Low	LTE Band 25 (PCS)	20	24.03	0	Left	Tilt	QPSK	1	0	1:1	0.051	36.95
1860.0	26140	Low	LTE Band 25 (PCS)	20	23.09	1	Left	Tilt	QPSK	50	0	1:1	0.042	36.86
2310.0	27710	Mid	LTE Band 30	10	23.24	0	Right	Cheek	QPSK	1	25	1:1	0.038	37.44
2310.0	27710	Mid	LTE Band 30	10	22.30	1	Right	Cheek	QPSK	25	0	1:1	0.025	38.32
2310.0	27710	Mid	LTE Band 30	10	23.24	0	Right	Tilt	QPSK	1	25	1:1	0.018	40.69
2310.0	27710	Mid	LTE Band 30	10	22.30	1	Right	Tilt	QPSK	25	0	1:1	0.009	42.76
2310.0	27710	Mid	LTE Band 30	10	23.24	0	Left	Cheek	QPSK	1	25	1:1	0.042	37.01
2310.0	27710	Mid	LTE Band 30	10	22.30	1	Left	Cheek	QPSK	25	0	1:1	0.028	37.83
2310.0	27710	Mid	LTE Band 30	10	23.24	0	Left	Tilt	QPSK	1	25	1:1	0.008	44.21
2310.0	27710	Mid	LTE Band 30	10	22.30	1	Left	Tilt	QPSK	25	0	1:1	0.005	45.31
2535.0	21100	Mid	LTE Band 7	20	23.73	0	Right	Cheek	QPSK	1	99	1:1	0.057	36.17
2535.0	21100	Mid	LTE Band 7	20	22.91	1	Right	Cheek	QPSK	50	25	1:1	0.047	36.19
2535.0	21100	Mid	LTE Band 7	20	23.73	0	Right	Tilt	QPSK	1	99	1:1	0.050	36.74
2535.0	21100	Mid	LTE Band 7	20	22.91	1	Right	Tilt	QPSK	50	25	1:1	0.047	36.19
2535.0	21100	Mid	LTE Band 7	20	23.73	0	Left	Cheek	QPSK	1	99	1:1	0.057	36.17
2535.0	21100	Mid	LTE Band 7	20	22.91	1	Left	Cheek	QPSK	50	25	1:1	0.043	36.58
2535.0	21100	Mid	LTE Band 7	20	23.73	0	Left	Tilt	QPSK	1	99	1:1	0.034	38.42
2535.0	21100	Mid	LTE Band 7	20	22.91	1	Left	Tilt	QPSK	50	25	1:1	0.027	38.60
3560.0	55340	Low	LTE Band 48	20	17.44	0	Right	Cheek	QPSK	1	50	1:1.58	0.437	19.05
3560.0	55340	Low	LTE Band 48	20	17.50	0	Right	Cheek	QPSK	50	25	1:1.58	0.448	19.00
3560.0	55340	Low	LTE Band 48	20	17.44	0	Right	Tilt	QPSK	1	50	1:1.58	0.036	29.89
3560.0	55340	Low	LTE Band 48	20	17.50	0	Right	Tilt	QPSK	50	25	1:1.58	0.035	30.07
3560.0	55340	Low	LTE Band 48	20	17.44	0	Left	Cheek	QPSK	1	50	1:1.58	0.217	22.09
3560.0	55340	Low	LTE Band 48	20	17.50	0	Left	Cheek	QPSK	50	25	1:1.58	0.226	21.97
3560.0	55340	Low	LTE Band 48	20	17.44	0	Left	Tilt	QPSK	1	50	1:1.58	0.062	27.53
3560.0	55340	Low	LTE Band 48	20	17.50	0	Left	Tilt	QPSK	50	25	1:1.58	0.061	27.66
2593.0	40620	Mid	LTE Band 41	20	24.24	0	Right	Cheek	QPSK	1	50	1:1.58	0.041	36.13
2593.0	40620	Mid	LTE Band 41	20	23.34	1	Right	Cheek	QPSK	50	25	1:1.58	0.029	36.73
2593.0	40620	Mid	LTE Band 41	20	24.24	0	Right	Tilt	QPSK	1	50	1:1.58	0.057	34.70
2593.0	40620	Mid	LTE Band 41	20	23.34	1	Right	Tilt	QPSK	50	25	1:1.58	0.044	34.92
2593.0	40620	Mid	LTE Band 41	20	24.24	0	Left	Cheek	QPSK	1	50	1:1.58	0.031	37.34
2593.0	40620	Mid	LTE Band 41	20	23.34	1	Left	Cheek	QPSK	50	25	1:1.58	0.022	37.93
2593.0	40620	Mid	LTE Band 41	20	24.24	0	Left	Tilt	QPSK	1	50	1:1.58	0.035	36.81
2593.0	40620	Mid	LTE Band 41	20	23.34	1	Left	Tilt	QPSK	50	25	1:1.58	0.026	37.20

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

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Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 3 of 27

Table A-4
DSI = 2 P_{Limit} Calculations – 5G Head SAR

MEASUREMENT RESULTS														
FREQUENCY		Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR[dB]	Site	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR [W/kg]	P _{Limit} [dBm]
Mhz	Ch.													
680.50	136100	Mod	NR Band n71	20	AntA	25.04	0	Right	Cheek	1	53	1:1	0.044	38.61
680.50	136100	Mod	NR Band n71	20	AntA	25.06	0	Right	Cheek	50	28	1:1	0.044	38.63
680.50	136100	Mod	NR Band n71	20	AntA	25.04	0	Right	Tit	1	53	1:1	0.013	43.90
680.50	136100	Mod	NR Band n71	20	AntA	25.06	0	Right	Tit	50	28	1:1	0.013	43.92
680.50	136100	Mod	NR Band n71	20	AntA	25.04	0	Left	Cheek	1	53	1:1	0.078	36.12
680.50	136100	Mod	NR Band n71	20	AntA	25.06	0	Left	Cheek	50	28	1:1	0.078	36.14
680.50	136100	Mod	NR Band n71	20	AntA	25.04	0	Left	Tit	1	53	1:1	0.044	38.61
680.50	136100	Mod	NR Band n71	20	AntA	25.06	0	Left	Tit	50	28	1:1	0.042	38.63
680.50	136100	Mod	NR Band n71	20	AntA	23.95	1.5	Left	Cheek	1	1	1:1	0.002	36.39
707.50	141500	Mod	NR Band n12	15	AntA	24.72	0	Right	Cheek	1	77	1:1	0.004	34.99
707.50	141500	Mod	NR Band n12	15	AntA	24.62	0	Right	Cheek	36	22	1:1	0.103	34.49
707.50	141500	Mod	NR Band n12	15	AntA	24.72	0	Right	Tit	1	77	1:1	0.041	38.59
707.50	141500	Mod	NR Band n12	15	AntA	24.62	0	Right	Tit	36	22	1:1	0.047	37.90
707.50	141500	Mod	NR Band n12	15	AntA	24.72	0	Left	Cheek	1	77	1:1	0.074	36.03
707.50	141500	Mod	NR Band n12	15	AntA	24.62	0	Left	Cheek	36	22	1:1	0.085	35.33
707.50	141500	Mod	NR Band n12	15	AntA	24.72	0	Left	Tit	1	77	1:1	0.041	38.59
707.50	141500	Mod	NR Band n12	15	AntA	24.62	0	Left	Tit	36	22	1:1	0.043	38.29
707.50	141500	Mod	NR Band n12	15	AntA	22.88	1.5	Right	Cheek	1	1	1:1	0.063	34.89
836.50	167300	Mod	NR Band n5	20	AntA	25.01	0	Right	Cheek	1	104	1:1	0.128	33.94
836.50	167300	Mod	NR Band n5	20	AntA	25.00	0	Right	Cheek	50	28	1:1	0.123	34.10
836.50	167300	Mod	NR Band n5	20	AntA	25.01	0	Right	Tit	1	104	1:1	0.077	36.15
836.50	167300	Mod	NR Band n5	20	AntA	25.00	0	Right	Tit	50	28	1:1	0.085	35.22
836.50	167300	Mod	NR Band n5	20	AntA	25.01	0	Left	Cheek	1	104	1:1	0.102	34.92
836.50	167300	Mod	NR Band n5	20	AntA	25.00	0	Left	Cheek	50	28	1:1	0.148	33.36
836.50	167300	Mod	NR Band n5	20	AntA	25.01	0	Left	Tit	1	104	1:1	0.067	36.75
836.50	167300	Mod	NR Band n5	20	AntA	25.00	0	Left	Tit	50	28	1:1	0.090	35.48
836.50	167300	Mod	NR Band n5	20	AntA	23.43	1.5	Left	Cheek	1	1	1:1	0.085	34.14
1745.00	349000	Mod	NR Band n66	40	AntA	24.62	0	Right	Cheek	1	108	1:1	0.141	33.13
1745.00	349000	Mod	NR Band n66	40	AntA	24.49	0	Right	Cheek	108	54	1:1	0.140	33.03
1745.00	349000	Mod	NR Band n66	40	AntA	24.62	0	Right	Tit	1	108	1:1	0.117	33.84
1745.00	349000	Mod	NR Band n66	40	AntA	24.49	0	Right	Tit	108	54	1:1	0.110	33.77
1745.00	349000	Mod	NR Band n66	40	AntA	24.62	0	Left	Cheek	1	108	1:1	0.217	31.26
1745.00	349000	Mod	NR Band n66	40	AntA	24.49	0	Left	Cheek	108	54	1:1	0.211	31.25
1745.00	349000	Mod	NR Band n66	40	AntA	24.62	0	Left	Tit	1	108	1:1	0.088	35.18
1745.00	349000	Mod	NR Band n66	40	AntA	24.49	0	Left	Tit	108	54	1:1	0.096	34.67
1745.00	349000	Mod	NR Band n66	40	AntA	23.90	1.5	Left	Cheek	1	1	1:1	0.179	30.97
1882.50	376500	Mod	NR Band n25	40	AntA	24.66	0	Right	Cheek	1	1	1:1	0.087	35.48
1882.50	376500	Mod	NR Band n25	40	AntA	24.68	0	Right	Cheek	108	54	1:1	0.087	34.81
1882.50	376500	Mod	NR Band n25	40	AntA	24.66	0	Right	Tit	1	1	1:1	0.053	37.62
1882.50	376500	Mod	NR Band n25	40	AntA	24.68	0	Right	Tit	108	54	1:1	0.063	37.44
1882.50	376500	Mod	NR Band n25	40	AntA	24.66	0	Left	Cheek	1	1	1:1	0.132	33.65
1882.50	376500	Mod	NR Band n25	40	AntA	24.68	0	Left	Cheek	108	54	1:1	0.106	34.43
1882.50	376500	Mod	NR Band n25	40	AntA	24.66	0	Left	Tit	1	1	1:1	0.047	38.14
1882.50	376500	Mod	NR Band n25	40	AntA	24.68	0	Left	Tit	108	54	1:1	0.082	37.92
1882.50	376500	Mod	NR Band n25	40	AntA	22.82	1.5	Left	Cheek	1	1	1:1	0.091	33.23
2310.00	462000	Mod	NR Band n30	10	AntA	23.70	0	Right	Cheek	1	26	1:1	0.031	38.79
2310.00	462000	Mod	NR Band n30	10	AntA	23.52	0	Right	Cheek	25	14	1:1	0.031	38.81
2310.00	462000	Mod	NR Band n30	10	AntA	23.70	0	Right	Tit	1	26	1:1	0.021	40.48
2310.00	462000	Mod	NR Band n30	10	AntA	23.52	0	Right	Tit	25	14	1:1	0.020	40.51
2310.00	462000	Mod	NR Band n30	10	AntA	23.70	0	Left	Cheek	1	26	1:1	0.035	38.26
2310.00	462000	Mod	NR Band n30	10	AntA	23.52	0	Left	Cheek	25	14	1:1	0.035	38.08
2310.00	462000	Mod	NR Band n30	10	AntA	23.70	0	Left	Tit	1	26	1:1	0.011	43.29
2310.00	462000	Mod	NR Band n30	10	AntA	23.52	0	Left	Tit	25	14	1:1	0.008	44.49
2310.00	462000	Mod	NR Band n30	10	AntA	22.01	1.5	Left	Cheek	1	1	1:1	0.022	38.93
2592.99	518598	Mod	NR Band n41	100	AntB	18.48	0	Right	Cheek	1	137	1:1	0.011	38.07
2592.99	518598	Mod	NR Band n41	100	AntB	18.28	0	Right	Cheek	135	69	1:1	0.008	40.90
2592.99	518598	Mod	NR Band n41	100	AntB	18.48	0	Right	Tit	1	137	1:1	0.022	35.08
2592.99	518598	Mod	NR Band n41	100	AntB	18.28	0	Right	Tit	135	69	1:1	0.019	35.49
2592.99	518598	Mod	NR Band n41	100	AntB	18.48	0	Left	Cheek	1	137	1:1	0.014	37.00
2592.99	518598	Mod	NR Band n41	100	AntB	18.28	0	Left	Cheek	135	69	1:1	0.010	38.20
2592.99	518598	Mod	NR Band n41	100	AntB	18.48	0	Left	Tit	1	137	1:1	0.009	38.94
2592.99	518598	Mod	NR Band n41	100	AntB	18.28	0	Left	Tit	135	69	1:1	0.006	40.50
2592.99	518598	Mod	NR Band n41	100	AntB	16.66	1.5	Right	Tit	1	1	1:1	0.005	39.67
3750.00	650000	Low	NR Band n77	100	AntG	14.92	0	Right	Cheek	1	1	1:1	0.518	17.77
3830.00	662000	High	NR Band n77	100	AntG	13.91	0	Right	Cheek	1	1	1:1	0.484	17.06
3750.00	650000	Low	NR Band n77	100	AntG	14.92	0	Right	Cheek	135	69	1:1	0.502	17.91
3830.00	662000	High	NR Band n77	100	AntG	14.21	0	Right	Cheek	135	0	1:1	0.455	17.63
3750.00	650000	Low	NR Band n77	100	AntG	14.90	0	Right	Cheek	270	0	1:1	0.530	17.86
3350.01	623334	High	NR Band n77	100	AntG	14.92	0	Right	Tit	1	1	1:1	0.044	28.49
3750.00	650000	Low	NR Band n77	100	AntG	14.92	0	Right	Tit	135	69	1:1	0.038	29.12
3750.00	650000	Low	NR Band n77	100	AntG	14.90	0	Left	Cheek	1	1	1:1	0.212	21.68
3750.00	650000	Low	NR Band n77	100	AntG	14.92	0	Left	Cheek	135	69	1:1	0.213	21.64
3750.00	650000	Low	NR Band n77	100	AntG	14.92	0	Left	Tit	1	1	1:1	0.058	27.29
3750.00	650000	Low	NR Band n77	100	AntG	14.92	0	Left	Tit	135	69	1:1	0.063	26.93
3750.00	650000	Low	NR Band n77	100	AntG	14.52	0	Right	Cheek	1	1	1:1	0.528	17.31

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

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

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.													[W/kg]	[dBm]	[dBm]
1745.00	349000	Mid	NR Band n66	40	Ant I	17.55	0	Right	Cheek	DFT-s-OFDM QPSK	1	108	1:1	0.282	23.05	21.49
1745.00	349000	Mid	NR Band n66	40	Ant I	17.53	0	Right	Cheek	DFT-s-OFDM QPSK	108	0	1:1	0.262	23.35	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.55	0	Right	Tilt	DFT-s-OFDM QPSK	1	108	1:1	0.374	21.82	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.53	0	Right	Tilt	DFT-s-OFDM QPSK	108	0	1:1	0.360	21.97	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.55	0	Left	Cheek	DFT-s-OFDM QPSK	1	108	1:1	0.316	22.55	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.53	0	Left	Cheek	DFT-s-OFDM QPSK	108	0	1:1	0.327	22.38	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.55	0	Left	Tilt	DFT-s-OFDM QPSK	1	108	1:1	0.404	21.49	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.53	0	Left	Tilt	DFT-s-OFDM QPSK	108	0	1:1	0.386	21.66	
1745.00	349000	Mid	NR Band n66	40	Ant I	17.64	0	Left	Tilt	CP-OFDM QPSK	1	1	1:1	0.357	22.11	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.88	0	Right	Cheek	DFT-s-OFDM QPSK	1	214	1:1	0.167	25.65	22.85
1882.50	376500	Mid	NR Band n25	40	Ant I	17.68	0	Right	Cheek	DFT-s-OFDM QPSK	108	108	1:1	0.150	25.92	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.88	0	Right	Tilt	DFT-s-OFDM QPSK	1	214	1:1	0.092	28.24	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.68	0	Right	Tilt	DFT-s-OFDM QPSK	108	108	1:1	0.098	27.77	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.88	0	Left	Cheek	DFT-s-OFDM QPSK	1	214	1:1	0.286	23.32	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.68	0	Left	Cheek	DFT-s-OFDM QPSK	108	108	1:1	0.304	22.85	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.88	0	Left	Tilt	DFT-s-OFDM QPSK	1	214	1:1	0.272	23.53	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.68	0	Left	Tilt	DFT-s-OFDM QPSK	108	108	1:1	0.236	23.95	
1882.50	376500	Mid	NR Band n25	40	Ant I	17.86	0	Left	Cheek	CP-OFDM QPSK	1	1	1:1	0.315	22.88	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.33	0	Right	Cheek	DFT-s-OFDM QPSK	1	137	1:1	0.218	22.95	18.89
2592.99	518598	Mid	NR Band n41	100	Ant I	16.30	0	Right	Cheek	DFT-s-OFDM QPSK	135	0	1:1	0.204	23.20	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.33	0	Right	Tilt	DFT-s-OFDM QPSK	1	137	1:1	0.222	22.87	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.30	0	Right	Tilt	DFT-s-OFDM QPSK	135	0	1:1	0.216	22.96	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.33	0	Left	Cheek	DFT-s-OFDM QPSK	1	137	1:1	0.500	19.34	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.30	0	Left	Cheek	DFT-s-OFDM QPSK	135	0	1:1	0.492	19.38	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.33	0	Left	Tilt	DFT-s-OFDM QPSK	1	137	1:1	0.538	19.02	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.30	0	Left	Tilt	DFT-s-OFDM QPSK	135	0	1:1	0.548	18.91	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.21	0	Left	Tilt	DFT-s-OFDM QPSK	270	0	1:1	0.540	18.89	
2592.99	518598	Mid	NR Band n41	100	Ant I	16.34	1.5	Left	Tilt	CP-OFDM QPSK	1	1	1:1	0.500	19.35	

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

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Table A-6
DSI = 0 P_{Limit} Calculations – 2G/3G Body-Worn SAR

MEASUREMENT RESULTS										
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.							(W/kg)	[dBm]	[dBm]
820.10	564	CDMA BC10 (§90S)	TDSO / SO32	24.77	15	Back	1:1	0.292	30.12	30.12
836.52	384	CDMA BC0 (§22H)	TDSO / SO32	24.57	15	Back	1:1	0.257	30.47	30.47
1851.25	25	PCS CDMA	TDSO / SO32	23.47	15	Back	1:1	0.618	25.56	25.56
1880.00	600	PCS CDMA	TDSO / SO32	23.13	15	Back	1:1	0.514	26.02	
1908.75	1175	PCS CDMA	TDSO / SO32	23.45	15	Back	1:1	0.476	26.67	
824.20	128	GSM 850	GSM	32.36	15	Back	1:8.3	0.271	28.83	28.83
1880.00	661	GSM 1900	GSM	29.15	15	Back	1:8.3	0.246	26.04	26.04
836.60	4183	UMTS 850	RMC	24.64	15	Back	1:1	0.326	29.51	29.51
1712.40	1312	UMTS 1750	RMC	23.43	15	Back	1:1	0.651	25.29	24.81
1732.40	1412	UMTS 1750	RMC	23.53	15	Back	1:1	0.744	24.81	
1752.60	1513	UMTS 1750	RMC	23.34	15	Back	1:1	0.712	24.82	
1852.40	9262	UMTS 1900	RMC	23.30	15	Back	1:1	0.594	25.56	25.56
1880.00	9400	UMTS 1900	RMC	22.92	15	Back	1:1	0.511	25.84	
1907.60	9538	UMTS 1900	RMC	23.19	15	Back	1:1	0.553	25.76	

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

FCC ID: A3LSMG996U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset	APPENDIX A: Page 6 of 27

Table A-7
DSI = 0 P_{Limit} Calculations – 4G Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.												(W/kg)	[dBm]	[dBm]
680.50	133297	Mid	LTE Band 71	20	25.02	0	QPSK	1	0	15	Back	1:1	0.181	32.44	32.44
680.50	133297	Mid	LTE Band 71	20	24.23	1	QPSK	50	25	15	Back	1:1	0.149	32.50	
707.50	23095	Mid	LTE Band 12	10	25.16	0	QPSK	1	25	15	Back	1:1	0.186	32.46	32.43
707.50	23095	Mid	LTE Band 12	10	24.31	1	QPSK	25	12	15	Back	1:1	0.154	32.43	
782.00	23230	Mid	LTE Band 13	10	25.16	0	QPSK	1	49	15	Back	1:1	0.239	31.38	31.38
782.00	23230	Mid	LTE Band 13	10	24.22	1	QPSK	25	12	15	Back	1:1	0.173	31.84	
793.00	23330	Mid	LTE Band 14	10	25.17	0	QPSK	1	49	15	Back	1:1	0.258	31.05	31.05
793.00	23330	Mid	LTE Band 14	10	24.15	1	QPSK	25	12	15	Back	1:1	0.202	31.10	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	QPSK	1	36	15	Back	1:1	0.285	30.43	30.29
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	QPSK	36	18	15	Back	1:1	0.233	30.29	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.91	0	QPSK	1	25	15	Back	1:1	0.276	30.50	30.45
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.97	1	QPSK	25	25	15	Back	1:1	0.225	30.45	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	15	Back	1:1	0.678	25.45	24.87
1745.00	132322	Mid	LTE Band 66 (AWS)	20	23.60	0	QPSK	1	50	15	Back	1:1	0.746	24.87	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.64	0	QPSK	1	0	15	Back	1:1	0.697	25.21	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	15	Back	1:1	0.556	25.38	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.75	1	QPSK	100	0	15	Back	1:1	0.554	25.31	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	15	Back	1:1	0.607	26.20	26.20
1882.50	26365	Mid	LTE Band 25 (PCS)	20	23.88	0	QPSK	1	0	15	Back	1:1	0.558	26.41	
1905.00	26590	High	LTE Band 25 (PCS)	20	23.85	0	QPSK	1	99	15	Back	1:1	0.466	27.17	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	15	Back	1:1	0.487	26.21	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	15	Back	1:1	0.443	26.78	26.78
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	15	Back	1:1	0.300	27.53	
2535.00	21100	Mid	LTE Band 7	20	23.73	0	QPSK	1	99	15	Back	1:1	0.358	28.19	28.19
2535.00	21100	Mid	LTE Band 7	20	22.91	1	QPSK	50	25	15	Back	1:1	0.291	28.27	
3560.00	55340	Low	LTE Band 48	20	22.16	0	QPSK	1	50	15	Back	1:1.58	0.140	28.71	28.71
3560.00	55340	Low	LTE Band 48	20	22.26	0	QPSK	50	25	15	Back	1:1.58	0.136	28.94	
2593.00	40620	Mid	LTE Band 41	20	24.24	0	QPSK	1	50	15	Back	1:1.58	0.242	28.42	28.42
2593.00	40620	Mid	LTE Band 41	20	23.34	1	QPSK	50	25	15	Back	1:1.58	0.192	28.52	

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

FCC ID: A3LSMG996U	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
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Table A-8
DSI = 0 P_{Limit} Calculations – 5G Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minim um PLimit
MHz	Ch.													[W/kg]	[dBm]	[dBm]
680.50	136100	Mid	NR Band n71	20	Ant A	25.04	0	DFT-s-OFDM QPSK	1	53	15	Back	1:1	0.073	36.41	36.41
680.50	136100	Mid	NR Band n71	20	Ant A	25.06	0	DFT-s-OFDM QPSK	50	28	15	Back	1:1	0.072	36.49	
680.50	136100	Mid	NR Band n71	20	Ant A	23.55	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.043	37.22	
707.50	141500	Mid	NR Band n12	15	Ant A	24.72	0	DFT-s-OFDM QPSK	1	77	15	Back	1:1	0.227	31.16	30.57
707.50	141500	Mid	NR Band n12	15	Ant A	24.62	0	DFT-s-OFDM QPSK	36	22	15	Back	1:1	0.254	30.57	
707.50	141500	Mid	NR Band n12	15	Ant A	22.88	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.155	30.98	
836.50	167300	Mid	NR Band n5	20	Ant A	25.01	0	DFT-s-OFDM QPSK	1	104	15	Back	1:1	0.267	30.74	30.74
836.50	167300	Mid	NR Band n5	20	Ant A	25.00	0	DFT-s-OFDM QPSK	50	28	15	Back	1:1	0.264	30.78	
836.50	167300	Mid	NR Band n5	20	Ant A	23.43	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.179	30.90	
1745.00	349000	Mid	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	15	Back	1:1	0.853	25.31	25.22
1745.00	349000	Mid	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	15	Back	1:1	0.846	25.22	
1745.00	349000	Mid	NR Band n66	40	Ant A	23.55	1	DFT-s-OFDM QPSK	216	0	15	Back	1:1	0.669	25.30	
1745.00	349000	Mid	NR Band n66	40	Ant A	23.50	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.605	25.68	
1882.50	376500	Mid	NR Band n25	40	Ant A	24.86	0	DFT-s-OFDM QPSK	1	1	15	Back	1:1	0.657	26.68	26.68
1882.50	376500	Mid	NR Band n25	40	Ant A	24.68	0	DFT-s-OFDM QPSK	108	54	15	Back	1:1	0.579	27.05	
1882.50	376500	Mid	NR Band n25	40	Ant A	22.82	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.386	26.95	
2310.00	462000	Mid	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	15	Back	1:1	0.533	26.43	26.19
2310.00	462000	Mid	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	15	Back	1:1	0.541	26.19	
2310.00	462000	Mid	NR Band n30	10	Ant A	22.01	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.382	26.19	
2592.99	518598	Mid	NR Band n41	40	Ant B	18.48	0	DFT-s-OFDM QPSK	1	137	15	Back	1:1	0.105	28.27	28.11
2592.99	518598	Mid	NR Band n41	40	Ant B	18.28	0	DFT-s-OFDM QPSK	135	69	15	Back	1:1	0.104	28.11	
2592.99	518598	Mid	NR Band n41	40	Ant B	16.66	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.070	28.21	
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	137	15	Back	1:1	0.131	28.54	28.18
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	15	Back	1:1	0.134	28.65	
3750.00	650000	Low	NR Band n77	100	Ant G	17.96	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.095	28.18	

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

FCC ID: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
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Table A-9
DSI = 0 P_{Limit} Calculations – 5G Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.													(W/kg)	[dBm]	[dBm]
1745.00	349000	Mid	NR Band n66	40	Ant I	24.16	0	DFT-s-OFDM QPSK	1	108	15	Back	1:1	0.398	28.09	28.09
1745.00	349000	Mid	NR Band n66	40	Ant I	23.98	0	DFT-s-OFDM QPSK	108	54	15	Back	1:1	0.378	28.21	
1745.00	349000	Mid	NR Band n66	40	Ant I	22.46	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.202	29.41	
1882.50	376500	Mid	NR Band n25	40	Ant I	24.32	0	DFT-s-OFDM QPSK	1	1	15	Back	1:1	0.233	30.65	30.57
1882.50	376500	Mid	NR Band n25	40	Ant I	24.16	0	DFT-s-OFDM QPSK	108	54	15	Back	1:1	0.199	31.17	
1882.50	376500	Mid	NR Band n25	40	Ant I	23.00	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.175	30.57	
2592.99	518598	Mid	NR Band n41	100	Ant I	20.48	0	DFT-s-OFDM QPSK	1	137	15	Back	1:1	0.062	32.56	29.78
2592.99	518598	Mid	NR Band n41	100	Ant I	20.46	0	DFT-s-OFDM QPSK	135	69	15	Back	1:1	0.066	32.26	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.97	1.5	CP-OFDM QPSK	1	1	15	Back	1:1	0.083	29.78	

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

FCC ID: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset	APPENDIX A: Page 9 of 27		

Table A-10
DSI = 3 P_{Limit} Calculations – 2G/3G Hotspot SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	# of GPRS Slots	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.								(W/kg)	[dBm]	[dBm]
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	10	Back	N/A	1:1	0.577	27.19	27.19
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	10	Front	N/A	1:1	0.382	28.98	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	10	Bottom	N/A	1:1	0.322	29.72	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	10	Right	N/A	1:1	0.222	31.34	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	10	Left	N/A	1:1	0.074	36.11	
824.70	1013	CDMA BC0 (§22H)	EVDO Rev. 0	24.46	10	Back	N/A	1:1	0.555	27.02	26.35
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.55	10	Back	N/A	1:1	0.619	26.63	
848.31	777	CDMA BC0 (§22H)	EVDO Rev. 0	24.53	10	Back	N/A	1:1	0.657	26.35	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.55	10	Front	N/A	1:1	0.301	29.76	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.55	10	Bottom	N/A	1:1	0.331	29.35	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.55	10	Right	N/A	1:1	0.214	31.25	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.55	10	Left	N/A	1:1	0.048	37.74	
1880.00	600	PCS CDMA	EVDO Rev. 0	18.07	10	Back	N/A	1:1	0.378	22.30	19.41
1880.00	600	PCS CDMA	EVDO Rev. 0	18.07	10	Front	N/A	1:1	0.330	22.88	
1851.25	25	PCS CDMA	EVDO Rev. 0	18.45	10	Bottom	N/A	1:1	0.734	19.79	
1880.00	600	PCS CDMA	EVDO Rev. 0	18.07	10	Bottom	N/A	1:1	0.711	19.55	
1908.75	1175	PCS CDMA	EVDO Rev. 0	18.39	10	Bottom	N/A	1:1	0.790	19.41	
1880.00	600	PCS CDMA	EVDO Rev. 0	18.07	10	Right	N/A	1:1	0.055	30.67	
1880.00	600	PCS CDMA	EVDO Rev. 0	18.07	10	Left	N/A	1:1	0.055	30.67	
824.20	128	GSM 850	GPRS	29.32	10	Back	3	1:2.76	0.476	28.11	26.80
836.60	190	GSM 850	GPRS	29.30	10	Back	3	1:2.76	0.602	27.07	
848.80	251	GSM 850	GPRS	29.32	10	Back	3	1:2.76	0.644	26.80	
836.60	190	GSM 850	GPRS	29.30	10	Front	3	1:2.76	0.396	28.89	
836.60	190	GSM 850	GPRS	29.30	10	Bottom	3	1:2.76	0.308	29.98	
836.60	190	GSM 850	GPRS	29.30	10	Right	3	1:2.76	0.202	31.82	
836.60	190	GSM 850	GPRS	29.30	10	Left	3	1:2.76	0.056	37.39	

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

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Table A-11
DSI = 3 P_{Limit} Calculations – 2G/3G Hotspot SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	# of GPRS Slots	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.								(W/kg)	[dBm]	[dBm]
1880.00	661	GSM 1900	GPRS	21.16	10	Back	4	1:2.076	0.272	23.63	19.04
1880.00	661	GSM 1900	GPRS	21.16	10	Front	4	1:2.076	0.237	24.23	
1850.20	512	GSM 1900	GPRS	21.19	10	Bottom	4	1:2.076	0.783	19.07	
1880.00	661	GSM 1900	GPRS	21.16	10	Bottom	4	1:2.076	0.628	20.00	
1909.80	810	GSM 1900	GPRS	21.27	10	Bottom	4	1:2.076	0.803	19.04	
1880.00	661	GSM 1900	GPRS	21.16	10	Right	4	1:2.076	0.042	31.75	
1880.00	661	GSM 1900	GPRS	21.16	10	Left	4	1:2.076	0.041	31.85	
826.40	4132	UMTS 850	RMC	24.60	10	Back	N/A	1:1	0.548	27.21	26.56
836.60	4183	UMTS 850	RMC	24.64	10	Back	N/A	1:1	0.632	26.63	
846.60	4233	UMTS 850	RMC	24.97	10	Back	N/A	1:1	0.694	26.56	
836.60	4183	UMTS 850	RMC	24.64	10	Front	N/A	1:1	0.380	28.84	
836.60	4183	UMTS 850	RMC	24.64	10	Bottom	N/A	1:1	0.316	29.64	
836.60	4183	UMTS 850	RMC	24.64	10	Right	N/A	1:1	0.230	31.02	
836.60	4183	UMTS 850	RMC	24.64	10	Left	N/A	1:1	0.051	37.56	
1732.40	1412	UMTS 1750	RMC	18.15	10	Back	N/A	1:1	0.398	22.15	20.14
1732.40	1412	UMTS 1750	RMC	18.15	10	Front	N/A	1:1	0.376	22.40	
1712.40	1312	UMTS 1750	RMC	18.01	10	Bottom	N/A	1:1	0.543	20.66	
1732.40	1412	UMTS 1750	RMC	18.15	10	Bottom	N/A	1:1	0.632	20.14	
1752.60	1513	UMTS 1750	RMC	18.07	10	Bottom	N/A	1:1	0.613	20.20	
1732.40	1412	UMTS 1750	RMC	18.15	10	Right	N/A	1:1	0.063	30.16	
1732.40	1412	UMTS 1750	RMC	18.15	10	Left	N/A	1:1	0.083	28.96	
1880.00	9400	UMTS 1900	RMC	17.62	10	Back	N/A	1:1	0.298	22.88	19.07
1880.00	9400	UMTS 1900	RMC	17.62	10	Front	N/A	1:1	0.260	23.47	
1852.40	9262	UMTS 1900	RMC	17.99	10	Bottom	N/A	1:1	0.701	19.53	
1880.00	9400	UMTS 1900	RMC	17.62	10	Bottom	N/A	1:1	0.684	19.27	
1907.60	9538	UMTS 1900	RMC	17.87	10	Bottom	N/A	1:1	0.758	19.07	
1880.00	9400	UMTS 1900	RMC	17.62	10	Right	N/A	1:1	0.041	31.49	
1880.00	9400	UMTS 1900	RMC	17.62	10	Left	N/A	1:1	0.045	31.09	

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

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Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 11 of 27

Table A-12
DSI = 3 P_{Limit} Calculations – 4G Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit	
MHz	Ch.											(W/kg)	[dBm]	[dBm]	
680.50	133297	Mid	LTE Band 71	20	25.02	0	QPSK	1	0	10	Back	1:1	0.295	30.32	30.22
680.50	133297	Mid	LTE Band 71	20	24.23	1	QPSK	50	25	10	Back	1:1	0.252	30.22	
680.50	133297	Mid	LTE Band 71	20	25.02	0	QPSK	1	0	10	Front	1:1	0.195	32.12	
680.50	133297	Mid	LTE Band 71	20	24.23	1	QPSK	50	25	10	Front	1:1	0.163	32.11	
680.50	133297	Mid	LTE Band 71	20	25.02	0	QPSK	1	0	10	Bottom	1:1	0.142	33.50	
680.50	133297	Mid	LTE Band 71	20	24.23	1	QPSK	50	25	10	Bottom	1:1	0.123	33.33	
680.50	133297	Mid	LTE Band 71	20	25.02	0	QPSK	1	0	10	Right	1:1	0.261	30.85	
680.50	133297	Mid	LTE Band 71	20	24.23	1	QPSK	50	25	10	Right	1:1	0.204	31.13	
680.50	133297	Mid	LTE Band 71	20	25.02	0	QPSK	1	0	10	Left	1:1	0.127	33.98	
680.50	133297	Mid	LTE Band 71	20	24.23	1	QPSK	50	25	10	Left	1:1	0.116	33.59	
707.50	23095	Mid	LTE Band 12	10	25.16	0	QPSK	1	25	10	Back	1:1	0.393	29.22	29.22
707.50	23095	Mid	LTE Band 12	10	24.31	1	QPSK	25	12	10	Back	1:1	0.281	29.82	
707.50	23095	Mid	LTE Band 12	10	25.16	0	QPSK	1	25	10	Front	1:1	0.216	31.82	
707.50	23095	Mid	LTE Band 12	10	24.31	1	QPSK	25	12	10	Front	1:1	0.178	31.81	
707.50	23095	Mid	LTE Band 12	10	25.16	0	QPSK	1	25	10	Bottom	1:1	0.204	32.06	
707.50	23095	Mid	LTE Band 12	10	24.31	1	QPSK	25	12	10	Bottom	1:1	0.165	32.14	
707.50	23095	Mid	LTE Band 12	10	25.16	0	QPSK	1	25	10	Right	1:1	0.206	32.02	
707.50	23095	Mid	LTE Band 12	10	24.31	1	QPSK	25	12	10	Right	1:1	0.172	31.95	
707.50	23095	Mid	LTE Band 12	10	25.16	0	QPSK	1	25	10	Left	1:1	0.099	35.20	
707.50	23095	Mid	LTE Band 12	10	24.31	1	QPSK	25	12	10	Left	1:1	0.084	35.07	
782.00	23230	Mid	LTE Band 13	10	25.16	0	QPSK	1	49	10	Back	1:1	0.419	28.94	28.94
782.00	23230	Mid	LTE Band 13	10	24.22	1	QPSK	25	12	10	Back	1:1	0.336	28.96	
782.00	23230	Mid	LTE Band 13	10	25.16	0	QPSK	1	49	10	Front	1:1	0.295	30.46	
782.00	23230	Mid	LTE Band 13	10	24.22	1	QPSK	25	12	10	Front	1:1	0.219	30.82	
782.00	23230	Mid	LTE Band 13	10	25.16	0	QPSK	1	49	10	Bottom	1:1	0.269	30.86	
782.00	23230	Mid	LTE Band 13	10	24.22	1	QPSK	25	12	10	Bottom	1:1	0.191	31.41	
782.00	23230	Mid	LTE Band 13	10	25.16	0	QPSK	1	49	10	Right	1:1	0.229	31.56	
782.00	23230	Mid	LTE Band 13	10	24.22	1	QPSK	25	12	10	Right	1:1	0.150	32.46	
782.00	23230	Mid	LTE Band 13	10	25.16	0	QPSK	1	49	10	Left	1:1	0.106	34.91	
782.00	23230	Mid	LTE Band 13	10	24.22	1	QPSK	25	12	10	Left	1:1	0.082	35.08	
793.00	23330	Mid	LTE Band 14	10	25.17	0	QPSK	1	49	10	Back	1:1	0.481	28.34	28.34
793.00	23330	Mid	LTE Band 14	10	24.15	1	QPSK	25	12	10	Back	1:1	0.346	28.76	
793.00	23330	Mid	LTE Band 14	10	25.17	0	QPSK	1	49	10	Front	1:1	0.313	30.21	
793.00	23330	Mid	LTE Band 14	10	24.15	1	QPSK	25	12	10	Front	1:1	0.239	30.37	
793.00	23330	Mid	LTE Band 14	10	25.17	0	QPSK	1	49	10	Bottom	1:1	0.294	30.48	
793.00	23330	Mid	LTE Band 14	10	24.15	1	QPSK	25	12	10	Bottom	1:1	0.227	30.59	
793.00	23330	Mid	LTE Band 14	10	25.17	0	QPSK	1	49	10	Right	1:1	0.269	30.87	
793.00	23330	Mid	LTE Band 14	10	24.15	1	QPSK	25	12	10	Right	1:1	0.200	31.14	
793.00	23330	Mid	LTE Band 14	10	25.17	0	QPSK	1	49	10	Left	1:1	0.129	34.06	
793.00	23330	Mid	LTE Band 14	10	24.15	1	QPSK	25	12	10	Left	1:1	0.106	33.90	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	QPSK	1	36	10	Back	1:1	0.680	26.65	26.60
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	QPSK	36	18	10	Back	1:1	0.544	26.60	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.93	1	QPSK	75	0	10	Back	1:1	0.536	26.64	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	QPSK	1	36	10	Front	1:1	0.385	29.13	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	QPSK	36	18	10	Front	1:1	0.315	28.98	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	QPSK	1	36	10	Bottom	1:1	0.308	30.09	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	QPSK	36	18	10	Bottom	1:1	0.253	29.93	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	QPSK	1	36	10	Right	1:1	0.256	30.90	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	QPSK	36	18	10	Right	1:1	0.204	30.86	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.98	0	QPSK	1	36	10	Left	1:1	0.081	35.90	
831.50	26865	Mid	LTE Band 26 (Cell)	15	23.96	1	QPSK	36	18	10	Left	1:1	0.064	35.90	

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

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Test Dates: 09/16/20 – 12/01/20 © 2020 PCTEST	DUT Type: Portable Handset	APPENDIX A: Page 12 of 27

REV 1.0
06/01/2019

Table A-13
DSI = 3 P_{Limit} Calculations – 4G Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit [dBm]
MHz	Ch.												[W/kg]	[dBm]	
836.50	20525	Md	LTE Band 5 (Cell)	10	24.91	0	QPSK	1	25	10	Back	1:1	0.568	27.37	27.11
836.50	20525	Md	LTE Band 5 (Cell)	10	23.97	1	QPSK	25	25	10	Back	1:1	0.485	27.11	
836.50	20525	Md	LTE Band 5 (Cell)	10	24.91	0	QPSK	1	25	10	Front	1:1	0.366	29.28	
836.50	20525	Md	LTE Band 5 (Cell)	10	23.97	1	QPSK	25	25	10	Front	1:1	0.308	29.08	
836.50	20525	Md	LTE Band 5 (Cell)	10	24.91	0	QPSK	1	25	10	Bottom	1:1	0.311	29.98	
836.50	20525	Md	LTE Band 5 (Cell)	10	23.97	1	QPSK	25	25	10	Bottom	1:1	0.271	29.64	
836.50	20525	Md	LTE Band 5 (Cell)	10	24.91	0	QPSK	1	25	10	Right	1:1	0.230	31.29	
836.50	20525	Md	LTE Band 5 (Cell)	10	23.97	1	QPSK	25	25	10	Right	1:1	0.196	31.05	
836.50	20525	Md	LTE Band 5 (Cell)	10	24.91	0	QPSK	1	25	10	Left	1:1	0.076	36.10	
836.50	20525	Md	LTE Band 5 (Cell)	10	23.97	1	QPSK	25	25	10	Left	1:1	0.057	36.41	20.07
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.25	0	QPSK	1	50	10	Back	1:1	0.425	22.97	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.37	0	QPSK	50	0	10	Back	1:1	0.442	22.92	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.25	0	QPSK	1	50	10	Front	1:1	0.422	23.00	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.37	0	QPSK	50	0	10	Front	1:1	0.434	23.00	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.25	0	QPSK	1	50	10	Bottom	1:1	0.760	20.44	
1745.00	132322	Md	LTE Band 66 (AWS)	20	19.21	0	QPSK	1	50	10	Bottom	1:1	0.788	20.24	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.11	0	QPSK	1	0	10	Bottom	1:1	0.797	20.10	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.37	0	QPSK	50	0	10	Bottom	1:1	0.791	20.39	
1745.00	132322	Md	LTE Band 66 (AWS)	20	19.30	0	QPSK	50	25	10	Bottom	1:1	0.837	20.07	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.29	0	QPSK	50	25	10	Bottom	1:1	0.834	20.08	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.24	0	QPSK	100	0	10	Bottom	1:1	0.797	20.23	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.25	0	QPSK	1	50	10	Right	1:1	0.091	29.66	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.37	0	QPSK	50	0	10	Right	1:1	0.093	29.69	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.25	0	QPSK	1	50	10	Left	1:1	0.106	29.00	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.37	0	QPSK	50	0	10	Left	1:1	0.115	28.76	19.20
1860.00	26140	Low	LTE Band 25 (PCS)	20	17.86	0	QPSK	1	50	10	Back	1:1	0.328	22.70	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.02	0	QPSK	50	25	10	Back	1:1	0.340	22.71	
1860.00	26140	Low	LTE Band 25 (PCS)	20	17.86	0	QPSK	1	50	10	Front	1:1	0.293	23.19	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.02	0	QPSK	50	25	10	Front	1:1	0.306	23.16	
1860.00	26140	Low	LTE Band 25 (PCS)	20	17.86	0	QPSK	1	50	10	Bottom	1:1	0.649	19.74	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.02	0	QPSK	50	25	10	Bottom	1:1	0.673	19.74	
1882.50	26365	Md	LTE Band 25 (PCS)	20	17.83	0	QPSK	50	50	10	Bottom	1:1	0.730	19.20	
1905.00	26590	High	LTE Band 25 (PCS)	20	17.87	0	QPSK	50	25	10	Bottom	1:1	0.733	19.22	
1860.00	26140	Low	LTE Band 25 (PCS)	20	17.85	0	QPSK	100	0	10	Bottom	1:1	0.660	19.65	
1860.00	26140	Low	LTE Band 25 (PCS)	20	17.86	0	QPSK	1	50	10	Right	1:1	0.033	32.67	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.02	0	QPSK	50	25	10	Right	1:1	0.034	32.71	
1860.00	26140	Low	LTE Band 25 (PCS)	20	17.86	0	QPSK	1	50	10	Left	1:1	0.041	31.73	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.02	0	QPSK	50	25	10	Left	1:1	0.041	31.89	
2310.00	27710	Md	LTE Band 30	10	19.54	0	QPSK	1	0	10	Back	1:1	0.361	23.96	
2310.00	27710	Md	LTE Band 30	10	19.56	0	QPSK	25	12	10	Back	1:1	0.357	24.03	
2310.00	27710	Md	LTE Band 30	10	19.54	0	QPSK	1	0	10	Front	1:1	0.196	26.62	
2310.00	27710	Md	LTE Band 30	10	19.56	0	QPSK	25	12	10	Front	1:1	0.195	26.66	
2310.00	27710	Md	LTE Band 30	10	19.54	0	QPSK	1	0	10	Bottom	1:1	0.830	20.35	
2310.00	27710	Md	LTE Band 30	10	19.56	0	QPSK	25	12	10	Bottom	1:1	0.820	20.42	
2310.00	27710	Md	LTE Band 30	10	19.40	0	QPSK	50	0	10	Bottom	1:1	0.810	20.32	
2310.00	27710	Md	LTE Band 30	10	19.54	0	QPSK	1	0	10	Right	1:1	0.018	36.99	
2310.00	27710	Md	LTE Band 30	10	19.56	0	QPSK	25	12	10	Right	1:1	0.019	36.77	
2310.00	27710	Md	LTE Band 30	10	19.54	0	QPSK	1	0	10	Left	1:1	0.030	34.77	
2310.00	27710	Md	LTE Band 30	10	19.56	0	QPSK	25	12	10	Left	1:1	0.030	34.79	25.09
2535.00	21100	Md	LTE Band 7	20	19.44	0	QPSK	1	50	10	Back	1:1	0.261	25.27	
2535.00	21100	Md	LTE Band 7	20	19.42	0	QPSK	50	25	10	Back	1:1	0.271	25.09	
2535.00	21100	Md	LTE Band 7	20	19.44	0	QPSK	1	50	10	Front	1:1	0.208	26.26	
2535.00	21100	Md	LTE Band 7	20	19.42	0	QPSK	50	25	10	Front	1:1	0.217	26.06	
2535.00	21100	Md	LTE Band 7	20	19.44	0	QPSK	1	50	10	Bottom	1:1	0.233	25.77	
2535.00	21100	Md	LTE Band 7	20	19.42	0	QPSK	50	25	10	Bottom	1:1	0.245	25.53	
2535.00	21100	Md	LTE Band 7	20	19.44	0	QPSK	1	50	10	Left	1:1	0.106	29.19	
2535.00	21100	Md	LTE Band 7	20	19.42	0	QPSK	50	25	10	Left	1:1	0.110	29.01	

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

FCC ID: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20 © 2020 PCTEST	DUT Type: Portable Handset			APPENDIX A: Page 13 of 27

Table A-14
DSI = 3 P_{Limit} Calculations – 4G Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.												(W/kg)	[dBm]	[dBm]
3560.00	55340	Low	LTE Band 48	20	22.16	0	QPSK	1	50	10	Back	1:1.58	0.282	25.67	22.38
3560.00	55340	Low	LTE Band 48	20	22.26	0	QPSK	50	25	10	Back	1:1.58	0.218	26.89	
3560.00	55340	Low	LTE Band 48	20	22.16	0	QPSK	1	50	10	Front	1:1.58	0.333	24.95	
3560.00	55340	Low	LTE Band 48	20	22.26	0	QPSK	50	25	10	Front	1:1.58	0.271	25.94	
3560.00	55340	Low	LTE Band 48	20	22.16	0	QPSK	1	50	10	Right	1:1.58	0.503	23.16	
3603.30	55773	Low-Mid	LTE Band 48	20	21.67	0	QPSK	1	50	10	Right	1:1.58	0.459	23.07	
3646.70	56207	Mid-High	LTE Band 48	20	22.15	0	QPSK	1	50	10	Right	1:1.58	0.522	22.99	
3690.00	56640	High	LTE Band 48	20	22.05	0	QPSK	1	50	10	Right	1:1.58	0.537	22.76	
3560.00	55340	Low	LTE Band 48	20	22.26	0	QPSK	50	25	10	Right	1:1.58	0.550	22.87	
3603.30	55773	Low-Mid	LTE Band 48	20	21.85	0	QPSK	50	0	10	Right	1:1.58	0.559	22.39	
3646.70	56207	Mid-High	LTE Band 48	20	22.25	0	QPSK	50	50	10	Right	1:1.58	0.559	22.79	
3690.00	56640	High	LTE Band 48	20	22.04	0	QPSK	50	25	10	Right	1:1.58	0.586	22.38	
3560.00	55340	Low	LTE Band 48	20	22.04	0	QPSK	100	0	10	Right	1:1.58	0.541	22.72	
2593.00	40620	Mid	LTE Band 41	20	21.32	0	QPSK	1	50	10	Back	1:1.58	0.261	25.17	24.69
2593.00	40620	Mid	LTE Band 41	20	21.25	0	QPSK	50	25	10	Back	1:1.58	0.268	24.98	
2593.00	40620	Mid	LTE Band 41	20	21.32	0	QPSK	1	50	10	Front	1:1.58	0.235	25.62	
2593.00	40620	Mid	LTE Band 41	20	21.25	0	QPSK	50	25	10	Front	1:1.58	0.238	25.50	
2593.00	40620	Mid	LTE Band 41	20	21.32	0	QPSK	1	50	10	Bottom	1:1.58	0.279	24.88	
2593.00	40620	Mid	LTE Band 41	20	21.25	0	QPSK	50	25	10	Bottom	1:1.58	0.287	24.69	
2593.00	40620	Mid	LTE Band 41	20	21.32	0	QPSK	1	50	10	Left	1:1.58	0.104	29.16	
2593.00	40620	Mid	LTE Band 41	20	21.25	0	QPSK	50	25	10	Left	1:1.58	0.107	28.97	

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

FCC ID: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 14 of 27

Table A-15
DSI = 3 P_{Limit} Calculations – 5G Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit	
MHz	Ch.												(W/kg)	[dBm]	[dBm]	
680.50	136100	Mid	NR Band n71	20	Ant A	25.04	0	DFT-s-OFDM QPSK	1	53	10	Back	1:1	0.294	30.36	30.26
680.50	136100	Mid	NR Band n71	20	Ant A	25.06	0	DFT-s-OFDM QPSK	50	28	10	Back	1:1	0.302	30.26	
680.50	136100	Mid	NR Band n71	20	Ant A	25.04	0	DFT-s-OFDM QPSK	1	53	10	Front	1:1	0.177	32.56	
680.50	136100	Mid	NR Band n71	20	Ant A	25.06	0	DFT-s-OFDM QPSK	50	28	10	Front	1:1	0.181	32.48	
680.50	136100	Mid	NR Band n71	20	Ant A	25.04	0	DFT-s-OFDM QPSK	1	53	10	Bottom	1:1	0.113	34.51	
680.50	136100	Mid	NR Band n71	20	Ant A	25.06	0	DFT-s-OFDM QPSK	50	28	10	Bottom	1:1	0.122	34.20	
680.50	136100	Mid	NR Band n71	20	Ant A	25.04	0	DFT-s-OFDM QPSK	1	53	10	Right	1:1	0.251	31.04	
680.50	136100	Mid	NR Band n71	20	Ant A	25.06	0	DFT-s-OFDM QPSK	50	28	10	Right	1:1	0.251	31.06	
680.50	136100	Mid	NR Band n71	20	Ant A	25.04	0	DFT-s-OFDM QPSK	1	53	10	Left	1:1	0.137	33.67	
680.50	136100	Mid	NR Band n71	20	Ant A	25.06	0	DFT-s-OFDM QPSK	50	28	10	Left	1:1	0.141	33.57	
680.50	136100	Mid	NR Band n71	20	Ant A	23.55	1.5	CP-OFDM QPSK	1	1	10	Back	1:1	0.200	30.54	
707.50	141500	Mid	NR Band n12	15	Ant A	24.72	0	DFT-s-OFDM QPSK	1	77	10	Back	1:1	0.355	29.22	29.04
707.50	141500	Mid	NR Band n12	15	Ant A	24.62	0	DFT-s-OFDM QPSK	36	22	10	Back	1:1	0.361	29.04	
707.50	141500	Mid	NR Band n12	15	Ant A	24.72	0	DFT-s-OFDM QPSK	1	77	10	Front	1:1	0.175	32.29	
707.50	141500	Mid	NR Band n12	15	Ant A	24.62	0	DFT-s-OFDM QPSK	36	22	10	Front	1:1	0.182	32.02	
707.50	141500	Mid	NR Band n12	15	Ant A	24.72	0	DFT-s-OFDM QPSK	1	77	10	Bottom	1:1	0.177	32.24	
707.50	141500	Mid	NR Band n12	15	Ant A	24.62	0	DFT-s-OFDM QPSK	36	22	10	Bottom	1:1	0.182	32.02	
707.50	141500	Mid	NR Band n12	15	Ant A	24.72	0	DFT-s-OFDM QPSK	1	77	10	Right	1:1	0.219	31.32	
707.50	141500	Mid	NR Band n12	15	Ant A	24.62	0	DFT-s-OFDM QPSK	36	22	10	Right	1:1	0.217	31.26	
707.50	141500	Mid	NR Band n12	15	Ant A	24.72	0	DFT-s-OFDM QPSK	1	77	10	Left	1:1	0.124	33.79	
707.50	141500	Mid	NR Band n12	15	Ant A	24.62	0	DFT-s-OFDM QPSK	36	22	10	Left	1:1	0.105	34.41	
707.50	141500	Mid	NR Band n12	15	Ant A	22.88	1.5	CP-OFDM QPSK	1	1	10	Back	1:1	0.220	29.46	
836.50	167300	Mid	NR Band n5	20	Ant A	25.01	0	DFT-s-OFDM QPSK	1	104	10	Back	1:1	0.622	27.07	26.31
836.50	167300	Mid	NR Band n5	20	Ant A	25.00	0	DFT-s-OFDM QPSK	50	28	10	Back	1:1	0.699	26.56	
836.50	167300	Mid	NR Band n5	20	Ant A	24.08	1	DFT-s-OFDM QPSK	100	0	10	Back	1:1	0.599	26.31	
836.50	167300	Mid	NR Band n5	20	Ant A	25.01	0	DFT-s-OFDM QPSK	1	104	10	Front	1:1	0.462	28.36	
836.50	167300	Mid	NR Band n5	20	Ant A	25.00	0	DFT-s-OFDM QPSK	50	28	10	Front	1:1	0.479	28.20	
836.50	167300	Mid	NR Band n5	20	Ant A	25.01	0	DFT-s-OFDM QPSK	1	104	10	Bottom	1:1	0.350	29.57	
836.50	167300	Mid	NR Band n5	20	Ant A	25.00	0	DFT-s-OFDM QPSK	50	28	10	Bottom	1:1	0.382	29.18	
836.50	167300	Mid	NR Band n5	20	Ant A	25.01	0	DFT-s-OFDM QPSK	1	104	10	Right	1:1	0.237	31.26	
836.50	167300	Mid	NR Band n5	20	Ant A	25.00	0	DFT-s-OFDM QPSK	50	28	10	Right	1:1	0.261	30.83	
836.50	167300	Mid	NR Band n5	20	Ant A	25.01	0	DFT-s-OFDM QPSK	1	104	10	Left	1:1	0.060	37.23	
836.50	167300	Mid	NR Band n5	20	Ant A	25.00	0	DFT-s-OFDM QPSK	50	28	10	Left	1:1	0.069	36.61	
836.50	167300	Mid	NR Band n5	20	Ant A	23.43	1.5	CP-OFDM QPSK	1	1	10	Back	1:1	0.493	26.50	
1745.00	349000	Mid	NR Band n66	40	Ant A	20.00	0	DFT-s-OFDM QPSK	1	1	10	Back	1:1	0.559	22.53	19.85
1745.00	349000	Mid	NR Band n66	40	Ant A	19.99	0	DFT-s-OFDM QPSK	108	54	10	Back	1:1	0.595	22.24	
1745.00	349000	Mid	NR Band n66	40	Ant A	20.00	0	DFT-s-OFDM QPSK	1	1	10	Front	1:1	0.533	22.73	
1745.00	349000	Mid	NR Band n66	40	Ant A	19.99	0	DFT-s-OFDM QPSK	108	54	10	Front	1:1	0.555	22.55	
1745.00	349000	Mid	NR Band n66	40	Ant A	20.00	0	DFT-s-OFDM QPSK	1	1	10	Bottom	1:1	0.974	20.11	
1745.00	349000	Mid	NR Band n66	40	Ant A	19.99	0	DFT-s-OFDM QPSK	108	54	10	Bottom	1:1	1.000	19.99	
1745.00	349000	Mid	NR Band n66	40	Ant A	19.98	0	DFT-s-OFDM QPSK	216	0	10	Bottom	1:1	1.030	19.85	
1745.00	349000	Mid	NR Band n66	40	Ant A	20.00	0	DFT-s-OFDM QPSK	1	1	10	Right	1:1	0.084	30.76	
1745.00	349000	Mid	NR Band n66	40	Ant A	19.99	0	DFT-s-OFDM QPSK	108	54	10	Right	1:1	0.079	31.01	
1745.00	349000	Mid	NR Band n66	40	Ant A	20.00	0	DFT-s-OFDM QPSK	1	1	10	Left	1:1	0.134	28.73	
1745.00	349000	Mid	NR Band n66	40	Ant A	19.99	0	DFT-s-OFDM QPSK	108	54	10	Left	1:1	0.130	28.85	
1745.00	349000	Mid	NR Band n66	40	Ant A	19.99	0	CP-OFDM QPSK	1	1	10	Bottom	1:1	0.997	20.00	

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

FCC ID: A3LSMG996U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20 © 2020 PCTEST	DUT Type: Portable Handset	APPENDIX A: Page 15 of 27

REV 1.0
06/01/2019

Table A-16
DSI = 3 P_{Limit} Calculations – 5G Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.													(W/kg)	[dBm]	[dBm]
1882.50	376500	Mid	NR Band n25	40	Ant A	18.50	0	DFT-s-OFDM QPSK	1	214	10	Back	1:1	0.232	24.85	20.42
1882.50	376500	Mid	NR Band n25	40	Ant A	18.28	0	DFT-s-OFDM QPSK	108	0	10	Back	1:1	0.240	24.48	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.50	0	DFT-s-OFDM QPSK	1	214	10	Front	1:1	0.205	25.38	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.28	0	DFT-s-OFDM QPSK	108	0	10	Front	1:1	0.212	25.02	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.50	0	DFT-s-OFDM QPSK	1	214	10	Bottom	1:1	0.643	20.42	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.28	0	DFT-s-OFDM QPSK	108	0	10	Bottom	1:1	0.597	20.52	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.50	0	DFT-s-OFDM QPSK	1	214	10	Right	1:1	0.038	32.70	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.28	0	DFT-s-OFDM QPSK	108	0	10	Right	1:1	0.037	32.60	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.50	0	DFT-s-OFDM QPSK	1	214	10	Left	1:1	0.034	33.19	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.28	0	DFT-s-OFDM QPSK	108	0	10	Left	1:1	0.036	32.72	
1882.50	376500	Mid	NR Band n25	40	Ant A	18.44	0	CP-OFDM QPSK	1	1	10	Bottom	1:1	0.582	20.79	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	10	Back	1:1	0.411	23.45	20.76
2310.00	462000	Mid	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	10	Back	1:1	0.398	23.57	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	10	Front	1:1	0.273	25.23	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	10	Front	1:1	0.263	25.37	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	10	Bottom	1:1	0.748	20.85	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	10	Bottom	1:1	0.761	20.76	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.51	0	DFT-s-OFDM QPSK	50	0	10	Bottom	1:1	0.721	20.93	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	10	Right	1:1	0.019	36.80	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	10	Right	1:1	0.017	37.27	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	10	Left	1:1	0.045	33.06	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	10	Left	1:1	0.048	32.76	
2310.00	462000	Mid	NR Band n30	10	Ant A	19.64	0	CP-OFDM QPSK	1	1	10	Bottom	1:1	0.704	21.16	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.31	0	DFT-s-OFDM QPSK	1	137	10	Back	1:1	0.075	24.56	24.56
2592.99	518598	Mid	NR Band n41	100	Ant B	13.20	0	DFT-s-OFDM QPSK	135	0	10	Back	1:1	0.064	25.14	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.31	0	DFT-s-OFDM QPSK	1	137	10	Front	1:1	0.055	25.91	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.20	0	DFT-s-OFDM QPSK	135	0	10	Front	1:1	0.053	25.96	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.31	0	DFT-s-OFDM QPSK	1	137	10	Bottom	1:1	0.068	24.98	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.20	0	DFT-s-OFDM QPSK	135	0	10	Bottom	1:1	0.062	25.28	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.31	0	DFT-s-OFDM QPSK	1	137	10	Left	1:1	0.031	28.40	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.20	0	DFT-s-OFDM QPSK	135	0	10	Left	1:1	0.018	30.65	
2592.99	518598	Mid	NR Band n41	100	Ant B	13.02	0	CP-OFDM QPSK	1	1	10	Back	1:1	0.050	26.03	
3930.00	662000	High	NR Band n77	100	Ant G	17.85	0	DFT-s-OFDM QPSK	1	137	10	Back	1:1	0.169	25.57	21.99
3930.00	662000	High	NR Band n77	100	Ant G	17.78	0	DFT-s-OFDM QPSK	135	69	10	Back	1:1	0.170	25.48	
3930.00	662000	High	NR Band n77	100	Ant G	17.85	0	DFT-s-OFDM QPSK	1	137	10	Front	1:1	0.166	25.65	
3930.00	662000	High	NR Band n77	100	Ant G	17.78	0	DFT-s-OFDM QPSK	135	69	10	Front	1:1	0.164	25.63	
3750.00	650000	Low	NR Band n77	100	Ant G	17.75	0	DFT-s-OFDM QPSK	1	271	10	Right	1:1	0.377	21.99	
3930.00	662000	High	NR Band n77	100	Ant G	17.85	0	DFT-s-OFDM QPSK	1	137	10	Right	1:1	0.295	23.15	
3750.00	650000	Low	NR Band n77	100	Ant G	17.77	0	DFT-s-OFDM QPSK	135	138	10	Right	1:1	0.371	22.08	
3930.00	662000	High	NR Band n77	100	Ant G	17.78	0	DFT-s-OFDM QPSK	135	69	10	Right	1:1	0.298	23.04	
3930.00	662000	High	NR Band n77	100	Ant G	17.77	0	DFT-s-OFDM QPSK	270	0	10	Right	1:1	0.310	22.86	
3930.00	662000	High	NR Band n77	100	Ant G	17.15	0	CP-OFDM QPSK	1	1	10	Right	1:1	0.324	22.04	

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

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Table A-17
DSI = 3 P_{Limit} Calculations – 5G Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.													(W/kg)	[dBm]	[dBm]
1745.00	349000	Mid	NR Band n66	40	Ant I	19.62	0	DFT-s-OFDM QPSK	1	1	10	Back	1:1	0.231	25.98	25.27
1745.00	349000	Mid	NR Band n66	40	Ant I	19.61	0	DFT-s-OFDM QPSK	108	0	10	Back	1:1	0.229	26.01	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.62	0	DFT-s-OFDM QPSK	1	1	10	Front	1:1	0.122	28.76	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.61	0	DFT-s-OFDM QPSK	108	0	10	Front	1:1	0.129	28.50	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.62	0	DFT-s-OFDM QPSK	1	1	10	Top	1:1	0.272	25.27	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.61	0	DFT-s-OFDM QPSK	108	0	10	Top	1:1	0.268	25.33	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.62	0	DFT-s-OFDM QPSK	1	1	10	Right	1:1	0.038	33.82	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.61	0	DFT-s-OFDM QPSK	108	0	10	Right	1:1	0.036	34.05	
1745.00	349000	Mid	NR Band n66	40	Ant I	19.63	0	CP-OFDM QPSK	1	1	10	Top	1:1	0.263	25.43	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.98	0	DFT-s-OFDM QPSK	1	1	10	Back	1:1	0.193	27.12	25.61
1882.50	376500	Mid	NR Band n25	40	Ant I	19.67	0	DFT-s-OFDM QPSK	108	108	10	Back	1:1	0.159	27.66	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.98	0	DFT-s-OFDM QPSK	1	1	10	Front	1:1	0.112	29.49	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.67	0	DFT-s-OFDM QPSK	108	108	10	Front	1:1	0.065	31.54	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.98	0	DFT-s-OFDM QPSK	1	1	10	Top	1:1	0.262	25.80	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.67	0	DFT-s-OFDM QPSK	108	108	10	Top	1:1	0.212	26.41	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.98	0	DFT-s-OFDM QPSK	1	1	10	Right	1:1	0.033	34.79	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.67	0	DFT-s-OFDM QPSK	108	108	10	Right	1:1	0.029	35.05	
1882.50	376500	Mid	NR Band n25	40	Ant I	19.74	0	CP-OFDM QPSK	1	1	10	Top	1:1	0.259	25.61	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.39	0	DFT-s-OFDM QPSK	1	137	10	Back	1:1	0.084	29.15	28.75
2592.99	518598	Mid	NR Band n41	100	Ant I	18.38	0	DFT-s-OFDM QPSK	135	0	10	Back	1:1	0.087	28.98	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.39	0	DFT-s-OFDM QPSK	1	137	10	Front	1:1	0.078	29.47	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.38	0	DFT-s-OFDM QPSK	135	0	10	Front	1:1	0.043	32.05	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.39	0	DFT-s-OFDM QPSK	1	137	10	Top	1:1	0.092	28.75	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.38	0	DFT-s-OFDM QPSK	135	0	10	Top	1:1	0.076	29.57	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.39	0	DFT-s-OFDM QPSK	1	137	10	Right	1:1	0.025	34.41	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.38	0	DFT-s-OFDM QPSK	135	0	10	Right	1:1	0.021	35.16	
2592.99	518598	Mid	NR Band n41	100	Ant I	18.38	0	CP-OFDM QPSK	1	1	10	Top	1:1	0.065	30.25	

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing	Side	# of GPRS Slots	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.								(W/kg)	[dBm]	[dBm]
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	5	Back	N/A	1:1	0.736	30.11	30.11
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	4	Front	N/A	1:1	0.689	30.40	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	10	Bottom	N/A	1:1	0.161	36.71	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	0	Right	N/A	1:1	0.249	34.82	
820.10	564	CDMA BC10 (§90S)	EVDO Rev. 0	24.80	0	Left	N/A	1:1	0.232	35.12	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.83	5	Back	N/A	1:1	0.823	29.66	29.66
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.83	4	Front	N/A	1:1	0.780	29.89	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.83	10	Bottom	N/A	1:1	0.177	36.33	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.83	0	Right	N/A	1:1	0.269	34.51	
836.52	384	CDMA BC0 (§22H)	EVDO Rev. 0	24.83	0	Left	N/A	1:1	0.265	34.58	
1880.00	600	PCS CDMA	EVDO Rev. 0	23.20	5	Back	N/A	1:1	1.060	26.93	25.81
1880.00	600	PCS CDMA	EVDO Rev. 0	23.20	4	Front	N/A	1:1	1.160	26.53	
1880.00	600	PCS CDMA	EVDO Rev. 0	23.20	10	Bottom	N/A	1:1	1.370	25.81	
1880.00	600	PCS CDMA	EVDO Rev. 0	23.20	0	Right	N/A	1:1	0.403	31.13	
1880.00	600	PCS CDMA	EVDO Rev. 0	23.20	0	Left	N/A	1:1	0.498	30.21	
836.60	190	GSM 850	GPRS	29.68	5	Back	3	1:2.76	0.876	29.80	29.80
836.60	190	GSM 850	GPRS	29.68	4	Front	3	1:2.76	0.772	30.35	
836.60	190	GSM 850	GPRS	29.68	10	Bottom	3	1:2.76	0.170	36.92	
836.60	190	GSM 850	GPRS	29.68	0	Right	3	1:2.76	0.279	34.77	
836.60	190	GSM 850	GPRS	29.68	0	Left	3	1:2.76	0.295	34.53	
1880.00	661	GSM 1900	GPRS	26.25	5	Back	3	1:2.76	0.976	25.90	25.63
1880.00	661	GSM 1900	GPRS	26.25	4	Front	3	1:2.76	1.040	25.63	
1880.00	661	GSM 1900	GPRS	26.25	10	Bottom	3	1:2.76	1.030	25.67	
1880.00	661	GSM 1900	GPRS	26.25	0	Right	3	1:2.76	0.310	30.89	
1880.00	661	GSM 1900	GPRS	26.25	0	Left	3	1:2.76	0.397	29.81	
826.40	4132	UMTS 850	RMC	24.75	5	Back	N/A	1:1	0.844	29.47	29.47
826.40	4132	UMTS 850	RMC	24.75	4	Front	N/A	1:1	0.744	30.01	
826.40	4132	UMTS 850	RMC	24.75	10	Bottom	N/A	1:1	0.185	36.06	
826.40	4132	UMTS 850	RMC	24.75	0	Right	N/A	1:1	0.251	34.73	
826.40	4132	UMTS 850	RMC	24.75	0	Left	N/A	1:1	0.258	34.61	
1732.40	1412	UMTS 1750	RMC	23.53	5	Back	N/A	1:1	1.500	25.75	25.20
1712.40	1312	UMTS 1750	RMC	23.43	4	Front	N/A	1:1	1.570	25.45	
1732.40	1412	UMTS 1750	RMC	23.53	4	Front	N/A	1:1	1.700	25.20	
1752.60	1513	UMTS 1750	RMC	23.34	4	Front	N/A	1:1	1.590	25.31	
1732.40	1412	UMTS 1750	RMC	23.53	10	Bottom	N/A	1:1	1.190	26.75	
1732.40	1412	UMTS 1750	RMC	23.53	0	Right	N/A	1:1	0.430	31.17	
1732.40	1412	UMTS 1750	RMC	23.53	0	Left	N/A	1:1	0.643	29.43	
1880.00	9400	UMTS 1900	RMC	22.92	5	Back	N/A	1:1	0.924	27.24	26.18
1880.00	9400	UMTS 1900	RMC	22.92	4	Front	N/A	1:1	1.150	26.29	
1880.00	9400	UMTS 1900	RMC	22.92	10	Bottom	N/A	1:1	1.180	26.18	
1880.00	9400	UMTS 1900	RMC	22.92	0	Right	N/A	1:1	0.352	31.43	
1880.00	9400	UMTS 1900	RMC	22.92	0	Left	N/A	1:1	0.458	30.29	

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.

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Table A-19
DSI = 1 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	# of GPRS Slots	Duty Cycle	SAR (10g)		Minimum PLimit [dBm]
MHz	Ch.								(W/kg)	[dBm]	
820.10	564	CDMABC10 (§90S)	EVDO Rev 0	24.80	0	Back	N/A	1:1	1.650	26.60	26.60
820.10	564	CDMABC10 (§90S)	EVDO Rev 0	24.80	0	Front	N/A	1:1	1.500	27.02	
820.10	564	CDMABC10 (§90S)	EVDO Rev 0	24.80	0	Bottom	N/A	1:1	0.973	28.90	
820.10	564	CDMABC10 (§90S)	EVDO Rev 0	24.80	0	Right	N/A	1:1	0.249	34.82	
820.10	564	CDMABC10 (§90S)	EVDO Rev 0	24.80	0	Left	N/A	1:1	0.232	35.12	
836.52	384	CDMABC0 (§22H)	EVDO Rev 0	24.83	0	Back	N/A	1:1	1.700	26.50	26.50
836.52	384	CDMABC0 (§22H)	EVDO Rev 0	24.83	0	Front	N/A	1:1	1.670	26.58	
836.52	384	CDMABC0 (§22H)	EVDO Rev 0	24.83	0	Bottom	N/A	1:1	0.881	29.36	
836.52	384	CDMABC0 (§22H)	EVDO Rev 0	24.83	0	Right	N/A	1:1	0.269	34.51	
836.52	384	CDMABC0 (§22H)	EVDO Rev 0	24.83	0	Left	N/A	1:1	0.265	34.58	
1880.00	600	PCS CDMA	EVDO Rev 0	19.80	0	Back	N/A	1:1	1.150	23.17	21.28
1880.00	600	PCS CDMA	EVDO Rev 0	19.80	0	Front	N/A	1:1	1.060	23.53	
1851.25	25	PCS CDMA	EVDO Rev 0	20.11	0	Bottom	N/A	1:1	1.910	21.28	
1880.00	600	PCS CDMA	EVDO Rev 0	19.80	0	Bottom	N/A	1:1	1.780	21.28	
1908.75	1175	PCS CDMA	EVDO Rev 0	20.13	0	Bottom	N/A	1:1	1.710	21.78	
1880.00	600	PCS CDMA	EVDO Rev 0	23.20	0	Right	N/A	1:1	0.403	31.13	
1880.00	600	PCS CDMA	EVDO Rev 0	23.20	0	Left	N/A	1:1	0.498	30.21	
836.60	190	GSM850	GPRS	29.68	0	Back	3	1:2.76	0.986	29.29	29.08
836.60	190	GSM850	GPRS	29.68	0	Front	3	1:2.76	1.035	29.08	
836.60	190	GSM850	GPRS	29.68	0	Bottom	3	1:2.76	0.413	33.07	
836.60	190	GSM850	GPRS	29.68	0	Right	3	1:2.76	0.279	34.77	
836.60	190	GSM850	GPRS	29.68	0	Left	3	1:2.76	0.295	34.53	
1851.25	25	GSM 1900	GPRS	22.82	0	Back	4	1:2.076	1.170	22.94	22.85
1880.00	661	GSM 1900	GPRS	22.90	0	Back	4	1:2.076	1.100	23.28	
1909.80	810	GSM 1900	GPRS	23.02	0	Back	4	1:2.076	1.250	22.85	
1880.00	661	GSM 1900	GPRS	22.90	0	Front	4	1:2.076	1.040	23.53	
1880.00	661	GSM 1900	GPRS	22.90	0	Bottom	4	1:2.076	1.050	23.49	
1880.00	661	GSM 1900	GPRS	26.25	0	Right	3	1:2.76	0.310	30.89	
1880.00	661	GSM 1900	GPRS	26.25	0	Left	3	1:2.76	0.397	29.81	
826.40	4132	UMTS 850	RMC	24.75	0	Back	N/A	1:1	1.440	27.15	26.45
826.40	4132	UMTS 850	RMC	24.75	0	Front	N/A	1:1	1.690	26.45	
826.40	4132	UMTS 850	RMC	24.75	0	Bottom	N/A	1:1	0.924	29.07	
826.40	4132	UMTS 850	RMC	24.75	0	Right	N/A	1:1	0.251	34.73	
826.40	4132	UMTS 850	RMC	24.75	0	Left	N/A	1:1	0.258	34.61	
1712.40	1312	UMTS 1750	RMC	20.70	0	Back	N/A	1:1	1.830	22.05	20.77
1732.40	1412	UMTS 1750	RMC	20.75	0	Back	N/A	1:1	1.930	21.87	
1752.60	1513	UMTS 1750	RMC	20.53	0	Back	N/A	1:1	1.860	21.81	
1712.40	1312	UMTS 1750	RMC	20.70	0	Front	N/A	1:1	1.870	21.96	
1732.40	1412	UMTS 1750	RMC	20.75	0	Front	N/A	1:1	1.940	21.85	
1752.60	1513	UMTS 1750	RMC	20.53	0	Front	N/A	1:1	1.790	21.98	
1712.40	1312	UMTS 1750	RMC	20.70	0	Bottom	N/A	1:1	2.380	20.91	
1732.40	1412	UMTS 1750	RMC	20.75	0	Bottom	N/A	1:1	2.490	20.77	
1752.60	1513	UMTS 1750	RMC	20.53	0	Bottom	N/A	1:1	2.250	20.99	
1732.40	1412	UMTS 1750	RMC	23.53	0	Right	N/A	1:1	0.430	31.17	
1732.40	1412	UMTS 1750	RMC	23.53	0	Left	N/A	1:1	0.643	29.43	
1880.00	9400	UMTS 1900	RMC	20.23	0	Back	N/A	1:1	1.180	23.49	21.35
1880.00	9400	UMTS 1900	RMC	20.23	0	Front	N/A	1:1	1.050	24.00	
1852.40	9262	UMTS 1900	RMC	20.61	0	Bottom	N/A	1:1	2.110	21.35	
1880.00	9400	UMTS 1900	RMC	20.23	0	Bottom	N/A	1:1	1.890	21.44	
1907.60	9538	UMTS 1900	RMC	20.46	0	Bottom	N/A	1:1	1.890	21.67	
1880.00	9400	UMTS 1900	RMC	22.92	0	Right	N/A	1:1	0.352	31.43	
1880.00	9400	UMTS 1900	RMC	22.92	0	Left	N/A	1:1	0.458	30.29	

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: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 19 of 27

Table A-20
DSI = 0 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.												(W/kg)	[dBm]	[dBm]
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	5	Back	1:1	0.484	32.09	32.09
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	4	Front	1:1	0.389	33.04	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	10	Bottom	1:1	0.077	40.07	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Right	1:1	0.168	36.69	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Left	1:1	0.089	39.45	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	5	Back	1:1	0.574	31.24	31.24
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	4	Front	1:1	0.469	32.12	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	10	Bottom	1:1	0.099	38.87	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Right	1:1	0.199	35.84	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Left	1:1	0.109	38.46	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	5	Back	1:1	0.601	30.87	30.87
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	4	Front	1:1	0.478	31.87	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	10	Bottom	1:1	0.109	38.29	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Right	1:1	0.177	36.18	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Left	1:1	0.143	37.11	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	5	Back	1:1	0.633	30.67	30.67
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	4	Front	1:1	0.582	31.03	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	10	Bottom	1:1	0.134	37.41	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Right	1:1	0.219	35.27	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Left	1:1	0.205	35.56	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	5	Back	1:1	0.801	29.82	29.82
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	4	Front	1:1	0.710	30.35	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	10	Bottom	1:1	0.173	36.48	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Right	1:1	0.266	34.61	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Left	1:1	0.268	34.58	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	5	Back	1:1	0.808	29.81	29.81
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	4	Front	1:1	0.708	30.38	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	10	Bottom	1:1	0.174	36.47	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Right	1:1	0.264	34.66	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Left	1:1	0.277	34.45	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	5	Back	1:1	1.560	25.81	24.93
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	5	Back	1:1	1.340	25.54	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	4	Front	1:1	1.840	25.09	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	23.60	0	QPSK	1	50	4	Front	1:1	1.780	25.08	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.64	0	QPSK	1	0	4	Front	1:1	1.700	25.31	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	4	Front	1:1	1.540	24.93	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.75	1	QPSK	100	0	4	Front	1:1	1.510	24.94	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	10	Bottom	1:1	1.130	27.21	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	10	Bottom	1:1	0.992	26.84	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	0	Right	1:1	0.435	31.35	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	0	Right	1:1	0.361	31.23	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	0	Left	1:1	0.635	29.71	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	0	Left	1:1	0.539	29.49	

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: A3LSMG996U	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 20 of 27

Table A-21
DSI = 0 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.												(W/kg)	[dBm]	[dBm]
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	5	Back	1:1	0.660	29.81	27.63
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	5	Back	1:1	0.603	29.27	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	4	Front	1:1	0.947	28.25	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	4	Front	1:1	0.879	27.63	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	10	Bottom	1:1	0.719	29.44	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	10	Bottom	1:1	0.575	29.47	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	0	Right	1:1	0.362	32.42	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	0	Right	1:1	0.288	32.48	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	0	Left	1:1	0.454	31.44	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	0	Left	1:1	0.320	32.02	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	5	Back	1:1	0.945	27.47	26.97
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	5	Back	1:1	0.757	27.49	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	4	Front	1:1	0.828	28.04	
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	4	Front	1:1	0.665	28.05	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	10	Bottom	1:1	1.060	26.97	
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	10	Bottom	1:1	0.837	27.05	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	0	Right	1:1	0.078	38.30	
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	0	Right	1:1	0.062	38.36	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	0	Left	1:1	0.316	32.22	
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	0	Left	1:1	0.270	31.97	
2535.00	21100	Mid	LTE Band 7	20	23.73	0	QPSK	1	99	5	Back	1:1	1.090	27.34	27.34
2535.00	21100	Mid	LTE Band 7	20	22.91	1	QPSK	50	25	5	Back	1:1	0.871	27.49	
2535.00	21100	Mid	LTE Band 7	20	23.73	0	QPSK	1	99	4	Front	1:1	0.645	29.61	
2535.00	21100	Mid	LTE Band 7	20	22.91	1	QPSK	50	25	4	Front	1:1	0.523	29.70	
2535.00	21100	Mid	LTE Band 7	20	23.73	0	QPSK	1	99	10	Bottom	1:1	0.373	31.99	
2535.00	21100	Mid	LTE Band 7	20	22.91	1	QPSK	50	25	10	Bottom	1:1	0.317	31.88	
2535.00	21100	Mid	LTE Band 7	20	23.73	0	QPSK	1	99	0	Left	1:1	0.998	27.72	
2535.00	21100	Mid	LTE Band 7	20	22.91	1	QPSK	50	25	0	Left	1:1	0.793	27.90	
3560.00	55340	Low	LTE Band 48	20	23.80	0	QPSK	1	0	0	Back	1:1.58	0.899	26.26	21.28
3560.00	55340	Low	LTE Band 48	20	23.80	0	QPSK	1	0	0	Front	1:1.58	2.060	22.65	
3560.00	55340	Low	LTE Band 48	20	23.80	0	QPSK	1	0	0	Right	1:1.58	2.830	21.28	
2593.00	40620	Mid	LTE Band 41	20	24.24	0	QPSK	1	50	5	Back	1:1.58	0.665	28.01	27.60
2593.00	40620	Mid	LTE Band 41	20	23.34	1	QPSK	50	25	5	Back	1:1.58	0.529	28.10	
2593.00	40620	Mid	LTE Band 41	20	24.24	0	QPSK	1	50	4	Front	1:1.58	0.437	29.83	
2593.00	40620	Mid	LTE Band 41	20	23.34	1	QPSK	50	25	4	Front	1:1.58	0.351	29.88	
2593.00	40620	Mid	LTE Band 41	20	24.24	0	QPSK	1	50	10	Bottom	1:1.58	0.274	31.86	
2593.00	40620	Mid	LTE Band 41	20	23.34	1	QPSK	50	25	10	Bottom	1:1.58	0.215	32.01	
2593.00	40620	Mid	LTE Band 41	20	24.24	0	QPSK	1	50	0	Left	1:1.58	0.721	27.65	
2593.00	40620	Mid	LTE Band 41	20	23.34	1	QPSK	50	25	0	Left	1:1.58	0.593	27.60	

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: A3LSMG996U	 PCTEST Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset	APPENDIX A: Page 21 of 27		

Table A-22
DSI = 1 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing [mm]	Side	Duty Cycle	SAR [10g]	PLimit	Minimum PLimit	
MHz	Ch.											[W/kg]	[dBm]	[dBm]	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Back	1:1	1.590	26.93	26.93
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Front	1:1	1.270	27.90	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Bottom	1:1	0.994	28.97	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Right	1:1	0.168	36.69	
680.50	133297	Mid	LTE Band 71	20	24.96	0	QPSK	1	0	0	Left	1:1	0.089	39.45	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Back	1:1	1.550	26.93	26.93
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Front	1:1	1.220	27.97	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Bottom	1:1	0.969	28.97	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Right	1:1	0.199	35.84	
707.50	23095	Mid	LTE Band 12	10	24.85	0	QPSK	1	0	0	Left	1:1	0.109	38.46	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Back	1:1	1.320	27.45	27.45
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Front	1:1	1.260	27.66	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Bottom	1:1	0.342	33.32	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Right	1:1	0.177	36.18	
782.00	23230	Mid	LTE Band 13	10	24.68	0	QPSK	1	0	0	Left	1:1	0.143	37.11	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Back	1:1	1.390	27.25	27.25
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Front	1:1	1.350	27.38	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Bottom	1:1	0.749	29.93	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Right	1:1	0.219	35.27	
793.00	23330	Mid	LTE Band 14	10	24.70	0	QPSK	1	0	0	Left	1:1	0.205	35.56	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Back	1:1	1.500	27.10	26.85
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Front	1:1	1.590	26.85	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Bottom	1:1	0.766	30.02	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Right	1:1	0.266	34.61	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.88	0	QPSK	1	0	0	Left	1:1	0.268	34.58	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Back	1:1	1.510	27.09	26.85
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Front	1:1	1.590	26.87	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Bottom	1:1	0.727	30.26	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Right	1:1	0.264	34.66	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.90	0	QPSK	1	0	0	Left	1:1	0.277	34.45	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.90	0	QPSK	1	50	0	Back	1:1	1.570	21.92	20.50
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.86	0	QPSK	50	0	0	Back	1:1	1.670	21.61	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.90	0	QPSK	1	50	0	Front	1:1	1.530	22.03	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.86	0	QPSK	50	0	0	Front	1:1	1.630	21.72	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.90	0	QPSK	1	50	0	Bottom	1:1	1.900	21.09	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	19.74	0	QPSK	1	99	0	Bottom	1:1	1.750	21.29	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.68	0	QPSK	1	50	0	Bottom	1:1	1.940	20.78	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.86	0	QPSK	50	0	0	Bottom	1:1	2.010	20.81	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	19.85	0	QPSK	50	25	0	Bottom	1:1	1.980	20.86	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.70	0	QPSK	50	25	0	Bottom	1:1	2.080	20.50	
1720.00	132072	Low	LTE Band 66 (AWS)	20	19.84	0	QPSK	100	0	0	Bottom	1:1	2.000	20.81	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	0	Right	1:1	0.435	31.35	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	0	Right	1:1	0.361	31.23	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.76	0	QPSK	1	50	0	Left	1:1	0.635	29.71	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.83	1	QPSK	50	25	0	Left	1:1	0.539	29.49	
1860.00	26140	Low	LTE Band 25 (PCS)	20	19.99	0	QPSK	1	99	0	Back	1:1	1.180	23.25	21.25
1860.00	26140	Low	LTE Band 25 (PCS)	20	20.04	0	QPSK	50	0	0	Back	1:1	1.290	22.91	
1860.00	26140	Low	LTE Band 25 (PCS)	20	19.99	0	QPSK	1	99	0	Front	1:1	1.010	23.93	
1860.00	26140	Low	LTE Band 25 (PCS)	20	20.04	0	QPSK	50	0	0	Front	1:1	1.080	23.69	
1860.00	26140	Low	LTE Band 25 (PCS)	20	19.99	0	QPSK	1	99	0	Bottom	1:1	1.690	21.69	
1860.00	26140	Low	LTE Band 25 (PCS)	20	20.04	0	QPSK	50	0	0	Bottom	1:1	1.890	21.25	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	19.85	0	QPSK	50	25	0	Bottom	1:1	1.710	21.50	
1905.00	26590	High	LTE Band 25 (PCS)	20	19.90	0	QPSK	50	50	0	Bottom	1:1	1.670	21.65	
1860.00	26140	Low	LTE Band 25 (PCS)	20	19.93	0	QPSK	100	0	0	Bottom	1:1	1.820	21.31	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	0	Right	1:1	0.362	32.42	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	0	Right	1:1	0.288	32.48	
1860.00	26140	Low	LTE Band 25 (PCS)	20	24.03	0	QPSK	1	0	0	Left	1:1	0.454	31.44	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.09	1	QPSK	50	0	0	Left	1:1	0.320	32.02	

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: A3LSMG996U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20 © 2020 PCTEST	DUT Type: Portable Handset	APPENDIX A: Page 22 of 27

REV 1.0
06/01/2019

Table A-23
DSI = 1 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit [dBm]
MHz	Ch.	(W/kg)											[dBm]		
2310.00	27710	Mid	LTE Band 30	10	19.54	0	QPSK	1	0	0	Back	1:1	1.070	23.23	23.13
2310.00	27710	Mid	LTE Band 30	10	19.56	0	QPSK	25	12	0	Back	1:1	1.100	23.13	
2310.00	27710	Mid	LTE Band 30	10	19.54	0	QPSK	1	0	0	Front	1:1	0.770	24.65	
2310.00	27710	Mid	LTE Band 30	10	19.56	0	QPSK	25	12	0	Front	1:1	0.780	24.62	
2310.00	27710	Mid	LTE Band 30	10	19.54	0	QPSK	1	0	0	Bottom	1:1	0.803	24.47	
2310.00	27710	Mid	LTE Band 30	10	19.56	0	QPSK	25	12	0	Bottom	1:1	0.799	24.51	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	0	Right	1:1	0.078	38.30	
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	0	Right	1:1	0.062	38.36	
2310.00	27710	Mid	LTE Band 30	10	23.24	0	QPSK	1	25	0	Left	1:1	0.316	32.22	
2310.00	27710	Mid	LTE Band 30	10	22.30	1	QPSK	25	0	0	Left	1:1	0.270	31.97	
2535.00	21100	Mid	LTE Band 7	20	19.44	0	QPSK	1	50	0	Back	1:1	1.530	21.57	21.13
2510.00	20850	Low	LTE Band 7	20	19.24	0	QPSK	50	25	0	Back	1:1	1.510	21.43	
2535.00	21100	Mid	LTE Band 7	20	19.42	0	QPSK	50	25	0	Back	1:1	1.570	21.44	
2560.00	21350	High	LTE Band 7	20	19.33	0	QPSK	50	25	0	Back	1:1	1.650	21.13	
2535.00	21100	Mid	LTE Band 7	20	19.44	0	QPSK	1	50	0	Front	1:1	1.050	23.21	
2535.00	21100	Mid	LTE Band 7	20	19.42	0	QPSK	50	25	0	Front	1:1	1.080	23.07	
2535.00	21100	Mid	LTE Band 7	20	19.44	0	QPSK	1	50	0	Bottom	1:1	1.260	22.42	
2535.00	21100	Mid	LTE Band 7	20	19.42	0	QPSK	50	25	0	Bottom	1:1	1.310	22.23	
2535.00	21100	Mid	LTE Band 7	20	23.73	0	QPSK	1	99	0	Left	1:1	0.998	27.72	
2535.00	21100	Mid	LTE Band 7	20	22.91	1	QPSK	50	25	0	Left	1:1	0.793	27.90	
3560.00	55340	Low	LTE Band 48	20	23.80	0	QPSK	1	0	0	Back	1:1.58	0.899	26.26	21.28
3560.00	55340	Low	LTE Band 48	20	23.80	0	QPSK	1	0	0	Front	1:1.58	2.060	22.65	
3560.00	55340	Low	LTE Band 48	20	23.80	0	QPSK	1	0	0	Right	1:1.58	2.830	21.28	
2506.00	39750	Low	LTE Band 41	20	22.10	0	QPSK	1	0	0	Back	1:1.58	1.580	22.11	21.46
2549.50	40185	Low-Mid	LTE Band 41	20	22.24	0	QPSK	1	50	0	Back	1:1.58	1.660	22.03	
2593.00	40620	Mid	LTE Band 41	20	22.34	0	QPSK	1	50	0	Back	1:1.58	1.850	21.66	
2636.50	41055	Mid-High	LTE Band 41	20	22.14	0	QPSK	1	50	0	Back	1:1.58	1.850	21.46	
2680.00	41490	High	LTE Band 41	20	22.21	0	QPSK	1	50	0	Back	1:1.58	1.840	21.56	
2506.00	39750	Low	LTE Band 41	20	22.20	0	QPSK	50	25	0	Back	1:1.58	1.540	22.32	
2549.50	40185	Low-Mid	LTE Band 41	20	22.27	0	QPSK	50	25	0	Back	1:1.58	1.580	22.28	
2593.00	40620	Mid	LTE Band 41	20	22.35	0	QPSK	50	25	0	Back	1:1.58	1.910	21.53	
2636.50	41055	Mid-High	LTE Band 41	20	22.34	0	QPSK	50	25	0	Back	1:1.58	1.930	21.48	
2680.00	41490	High	LTE Band 41	20	22.25	0	QPSK	50	25	0	Back	1:1.58	1.890	21.48	
2636.50	41055	Mid-High	LTE Band 41	20	22.28	0	QPSK	100	0	0	Back	1:1.58	1.880	21.53	
2593.00	40620	Mid	LTE Band 41	20	22.34	0	QPSK	1	50	0	Front	1:1.58	1.000	24.33	
2593.00	40620	Mid	LTE Band 41	20	22.35	0	QPSK	50	25	0	Front	1:1.58	1.030	24.22	
2506.00	39750	Low	LTE Band 41	20	22.10	0	QPSK	1	0	0	Bottom	1:1.58	1.520	22.28	
2549.50	40185	Low-Mid	LTE Band 41	20	22.24	0	QPSK	1	50	0	Bottom	1:1.58	1.580	22.25	
2593.00	40620	Mid	LTE Band 41	20	22.34	0	QPSK	1	50	0	Bottom	1:1.58	1.700	22.03	
2636.50	41055	Mid-High	LTE Band 41	20	22.14	0	QPSK	1	50	0	Bottom	1:1.58	1.730	21.75	
2680.00	41490	High	LTE Band 41	20	22.21	0	QPSK	1	50	0	Bottom	1:1.58	1.700	21.90	
2506.00	39750	Low	LTE Band 41	20	22.20	0	QPSK	50	25	0	Bottom	1:1.58	1.540	22.32	
2549.50	40185	Low-Mid	LTE Band 41	20	22.27	0	QPSK	50	25	0	Bottom	1:1.58	1.640	22.12	
2593.00	40620	Mid	LTE Band 41	20	22.35	0	QPSK	50	25	0	Bottom	1:1.58	1.750	21.91	
2636.50	41055	Mid-High	LTE Band 41	20	22.34	0	QPSK	50	25	0	Bottom	1:1.58	1.850	21.66	
2680.00	41490	High	LTE Band 41	20	22.25	0	QPSK	50	25	0	Bottom	1:1.58	1.770	21.76	
2636.50	41055	Mid-High	LTE Band 41	20	22.28	0	QPSK	100	0	0	Bottom	1:1.58	1.820	21.67	
2593.00	40620	Mid	LTE Band 41	20	24.24	0	QPSK	1	50	0	Left	1:1.58	0.721	27.65	
2593.00	40620	Mid	LTE Band 41	20	23.34	1	QPSK	50	25	0	Left	1:1.58	0.593	27.60	

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: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 23 of 27

Table A-24
DSI = 0 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing [mm]	Side	Duty Cycle	SAR [W/kg]	PLMN	
MHz	Ch.												[dBm]		
680.50	136100	Md	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	5	Back	1.1	0.456	32.09
680.50	136100	Md	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	4	Front	1.1	0.367	33.03
680.50	136100	Md	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	10	Bottom	1.1	0.108	38.35
680.50	136100	Md	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Right	1.1	0.124	37.75
680.50	136100	Md	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Left	1.1	0.018	46.13
707.50	141500	Md	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	5	Back	1.1	0.211	35.24
707.50	141500	Md	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	4	Front	1.1	0.162	36.38
707.50	141500	Md	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	10	Bottom	1.1	0.036	42.82
707.50	141500	Md	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Right	1.1	0.135	37.18
707.50	141500	Md	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Left	1.1	0.078	39.56
836.50	167300	Md	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	5	Back	1.1	0.426	32.49
836.50	167300	Md	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	4	Front	1.1	0.654	30.62
836.50	167300	Md	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	10	Bottom	1.1	0.072	40.21
836.50	167300	Md	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Right	1.1	0.135	37.48
836.50	167300	Md	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Left	1.1	0.078	39.86
1745.00	349000	Md	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	5	Back	1.1	1.810	26.02
1745.00	349000	Md	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	5	Back	1.1	1.790	25.94
1745.00	349000	Md	NR Band n66	40	Ant A	23.55	1	DFT-s-OFDM QPSK	216	0	5	Back	1.1	1.420	26.01
1745.00	349000	Md	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	4	Front	1.1	2.220	25.14
1745.00	349000	Md	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	4	Front	1.1	1.940	25.59
1745.00	349000	Md	NR Band n66	40	Ant A	23.55	1	DFT-s-OFDM QPSK	216	0	4	Front	1.1	1.550	25.63
1745.00	349000	Md	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	10	Bottom	1.1	1.350	27.30
1745.00	349000	Md	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	10	Bottom	1.1	1.320	27.28
1745.00	349000	Md	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	0	Right	1.1	0.429	32.27
1745.00	349000	Md	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	0	Right	1.1	0.424	32.20
1745.00	349000	Md	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	0	Left	1.1	0.791	29.62
1745.00	349000	Md	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	0	Left	1.1	0.775	29.58
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	1	1	5	Back	1.1	1.070	28.55
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	108	54	5	Back	1.1	1.070	28.52
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	1	1	4	Front	1.1	1.140	28.27
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	108	54	4	Front	1.1	1.110	28.21
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	1	1	10	Bottom	1.1	1.470	27.17
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	108	54	10	Bottom	1.1	1.510	26.87
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	1	1	0	Right	1.1	0.327	33.69
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	108	54	0	Right	1.1	0.330	33.47
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	1	1	0	Left	1.1	0.548	31.45
1882.50	376500	Md	NR Band n25	40	Ant A	24.66	0	DFT-s-OFDM QPSK	108	54	0	Left	1.1	0.495	31.71
2310.00	462000	Md	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	5	Back	1.1	1.340	26.41
2310.00	462000	Md	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	5	Back	1.1	1.320	26.29
2310.00	462000	Md	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	4	Front	1.1	0.994	27.71
2310.00	462000	Md	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	4	Front	1.1	0.979	27.59
2310.00	462000	Md	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	10	Bottom	1.1	0.971	27.81
2310.00	462000	Md	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	10	Bottom	1.1	0.977	27.80
2310.00	462000	Md	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	0	Right	1.1	0.079	38.70
2310.00	462000	Md	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	0	Right	1.1	0.076	38.69
2310.00	462000	Md	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	0	Left	1.1	0.414	31.51
2310.00	462000	Md	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	0	Left	1.1	0.408	31.39
2592.99	518598	Md	NR Band n41	100	Ant B	18.48	0	DFT-s-OFDM QPSK	1	137	5	Back	1.1	0.301	27.87
2592.99	518598	Md	NR Band n41	100	Ant B	18.28	0	DFT-s-OFDM QPSK	135	69	5	Back	1.1	0.317	27.25
2592.99	518598	Md	NR Band n41	100	Ant B	18.48	0	DFT-s-OFDM QPSK	1	137	4	Front	1.1	0.266	28.21
2592.99	518598	Md	NR Band n41	100	Ant B	18.28	0	DFT-s-OFDM QPSK	135	69	4	Front	1.1	0.261	28.09
2592.99	518598	Md	NR Band n41	100	Ant B	18.48	0	DFT-s-OFDM QPSK	1	137	10	Bottom	1.1	0.099	32.50
2592.99	518598	Md	NR Band n41	100	Ant B	18.28	0	DFT-s-OFDM QPSK	135	69	10	Bottom	1.1	0.097	32.39
2592.99	518598	Md	NR Band n41	100	Ant B	18.48	0	DFT-s-OFDM QPSK	1	137	0	Left	1.1	0.236	28.73
2592.99	518598	Md	NR Band n41	100	Ant B	18.28	0	DFT-s-OFDM QPSK	135	69	0	Left	1.1	0.230	28.64
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	271	0	Back	1.1	1.030	23.56
3930.00	662000	High	NR Band n77	100	Ant G	19.57	0	DFT-s-OFDM QPSK	1	137	0	Back	1.1	0.936	23.84
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	0	Back	1.1	1.100	23.49
3930.00	662000	High	NR Band n77	100	Ant G	19.52	0	DFT-s-OFDM QPSK	135	69	0	Back	1.1	0.925	23.84
3750.00	650000	Low	NR Band n77	100	Ant G	18.72	1	DFT-s-OFDM QPSK	270	0	0	Back	1.1	0.852	23.39
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	271	0	Front	1.1	1.780	21.19
3930.00	662000	High	NR Band n77	100	Ant G	19.57	0	DFT-s-OFDM QPSK	1	137	0	Front	1.1	1.660	21.35
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	0	Front	1.1	1.840	21.25
3930.00	662000	High	NR Band n77	100	Ant G	19.52	0	DFT-s-OFDM QPSK	135	69	0	Front	1.1	1.680	21.30
3750.00	650000	Low	NR Band n77	100	Ant G	18.72	1	DFT-s-OFDM QPSK	270	0	0	Front	1.1	1.200	21.51
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	271	0	Right	1.1	2.820	19.19
3930.00	662000	High	NR Band n77	100	Ant G	19.57	0	DFT-s-OFDM QPSK	1	137	0	Right	1.1	2.780	19.11
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	0	Right	1.1	3.090	19.00
3930.00	662000	High	NR Band n77	100	Ant G	19.52	0	DFT-s-OFDM QPSK	135	69	0	Right	1.1	2.910	19.01
3750.00	650000	Low	NR Band n77	100	Ant G	18.72	1	DFT-s-OFDM QPSK	270	0	0	Right	1.1	2.420	18.86
3750.00	650000	Low	NR Band n77	100	Ant G	17.96	1.5	CP-OFDM QPSK	1	1	0	Right	1.1	2.090	18.74

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: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20 © 2020 PCTEST	DUT Type: Portable Handset			APPENDIX A: Page 24 of 27

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06/01/2019

Table A-25
DSI = 0 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (10g)	PLimit
MHz	Ch.													(W/kg)	[dBm]
1745.00	349000	Mid	NR Band n66	40	Ant I	24.60	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.756	26.13
1745.00	349000	Mid	NR Band n66	40	Ant I	24.60	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.956	25.67
1745.00	349000	Mid	NR Band n66	40	Ant I	24.60	0	DFT-s-OFDM QPSK	1	1	0	Top	1:1	3.134	23.62
1745.00	349000	Mid	NR Band n66	40	Ant I	24.60	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.428	32.26
1882.50	376500	Mid	NR Band n25	40	Ant I	23.90	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.550	25.98
1882.50	376500	Mid	NR Band n25	40	Ant I	23.90	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.110	27.43
1882.50	376500	Mid	NR Band n25	40	Ant I	23.90	0	DFT-s-OFDM QPSK	1	1	0	Top	1:1	2.290	24.28
1882.50	376500	Mid	NR Band n25	40	Ant I	23.90	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.203	34.80
2592.99	518598	Mid	NR Band n41	100	Ant I	20.19	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	0.398	28.17
2592.99	518598	Mid	NR Band n41	100	Ant I	20.19	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	0.875	24.75
2592.99	518598	Mid	NR Band n41	100	Ant I	20.19	0	DFT-s-OFDM QPSK	1	1	0	Top	1:1	1.340	22.90
2592.99	518598	Mid	NR Band n41	100	Ant I	20.19	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.086	34.82

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: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 25 of 27

Table A-26
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MFR [dB]	Modulation	RB Size	RB Offset	Spacing [mm]	Site	Duty Cycle	SAR [W/kg]	P _{Limit} [dBm]	Minimum P _{Limit} [dBm]
MHz	Ch.														
880.50	136100	Mtd	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.190	27.92
880.50	136100	Mtd	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.136	28.15
880.50	136100	Mtd	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Bottom	1:1	0.600	30.48
880.50	136100	Mtd	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.124	37.75
880.50	136100	Mtd	NR Band n71	20	Ant A	24.70	0	DFT-s-OFDM QPSK	1	1	0	Left	1:1	0.018	46.13
707.50	141500	Mtd	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	0.979	28.57
707.50	141500	Mtd	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	0.928	28.80
707.50	141500	Mtd	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Bottom	1:1	0.895	29.19
707.50	141500	Mtd	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.136	37.16
707.50	141500	Mtd	NR Band n12	15	Ant A	24.50	0	DFT-s-OFDM QPSK	1	1	0	Left	1:1	0.078	39.56
836.50	167300	Mtd	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.320	27.57
836.50	167300	Mtd	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.090	27.35
836.50	167300	Mtd	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Bottom	1:1	1.080	28.45
836.50	167300	Mtd	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.135	37.48
836.50	167300	Mtd	NR Band n5	20	Ant A	24.80	0	DFT-s-OFDM QPSK	1	1	0	Left	1:1	0.078	39.86
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.50	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.760	22.02
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.50	0	DFT-s-OFDM QPSK	108	0	0	Back	1:1	1.830	21.85
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.50	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.790	21.95
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.50	0	DFT-s-OFDM QPSK	108	0	0	Front	1:1	1.810	21.90
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.50	0	DFT-s-OFDM QPSK	1	1	0	Bottom	1:1	2.210	21.04
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.50	0	DFT-s-OFDM QPSK	108	0	0	Bottom	1:1	2.200	20.86
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.49	0	DFT-s-OFDM QPSK	216	0	0	Bottom	1:1	2.240	20.97
1745.00	349000	Mtd	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	0	Right	1:1	0.429	32.27
1745.00	349000	Mtd	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	0	Right	1:1	0.424	32.20
1745.00	349000	Mtd	NR Band n66	40	Ant A	24.62	0	DFT-s-OFDM QPSK	1	108	0	Left	1:1	0.791	29.82
1745.00	349000	Mtd	NR Band n66	40	Ant A	24.49	0	DFT-s-OFDM QPSK	108	54	0	Left	1:1	0.775	29.58
1745.00	349000	Mtd	NR Band n66	40	Ant A	20.47	0	CP-OFDM QPSK	1	1	0	Bottom	1:1	2.290	20.93
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.50	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.090	24.11
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.39	0	DFT-s-OFDM QPSK	108	0	0	Back	1:1	1.100	23.96
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.50	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	0.789	25.51
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.39	0	DFT-s-OFDM QPSK	108	0	0	Front	1:1	0.813	25.27
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.50	0	DFT-s-OFDM QPSK	1	1	0	Bottom	1:1	1.630	21.85
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.39	0	DFT-s-OFDM QPSK	108	0	0	Bottom	1:1	1.750	21.94
1882.50	376500	Mtd	NR Band n25	40	Ant A	24.86	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.327	33.89
1882.50	376500	Mtd	NR Band n25	40	Ant A	24.68	0	DFT-s-OFDM QPSK	108	54	0	Right	1:1	0.330	33.47
1882.50	376500	Mtd	NR Band n25	40	Ant A	24.86	0	DFT-s-OFDM QPSK	1	1	0	Left	1:1	0.548	31.45
1882.50	376500	Mtd	NR Band n25	40	Ant A	24.68	0	DFT-s-OFDM QPSK	108	54	0	Left	1:1	0.495	31.71
1882.50	376500	Mtd	NR Band n25	40	Ant A	20.47	0	CP-OFDM QPSK	1	1	0	Bottom	1:1	1.740	22.04
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.510	21.78
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	0	Back	1:1	1.460	21.97
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	0.753	24.80
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	0	Front	1:1	0.723	24.96
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.59	0	DFT-s-OFDM QPSK	1	1	0	Bottom	1:1	0.985	23.64
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.57	0	DFT-s-OFDM QPSK	25	27	0	Bottom	1:1	0.934	23.85
2310.00	462000	Mtd	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	0	Right	1:1	0.079	38.70
2310.00	462000	Mtd	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	0	Right	1:1	0.076	38.69
2310.00	462000	Mtd	NR Band n30	10	Ant A	23.70	0	DFT-s-OFDM QPSK	1	26	0	Left	1:1	0.414	31.51
2310.00	462000	Mtd	NR Band n30	10	Ant A	23.52	0	DFT-s-OFDM QPSK	25	14	0	Left	1:1	0.408	31.39
2310.00	462000	Mtd	NR Band n30	10	Ant A	19.64	0	CP-OFDM QPSK	1	1	0	Back	1:1	1.500	21.85
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.29	0	DFT-s-OFDM QPSK	1	137	0	Back	1:1	0.363	22.67
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.25	0	DFT-s-OFDM QPSK	135	0	0	Back	1:1	0.359	22.68
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.29	0	DFT-s-OFDM QPSK	1	137	0	Front	1:1	0.300	23.50
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.25	0	DFT-s-OFDM QPSK	135	0	0	Front	1:1	0.292	23.58
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.29	0	DFT-s-OFDM QPSK	1	137	0	Bottom	1:1	0.371	22.58
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.25	0	DFT-s-OFDM QPSK	135	0	0	Bottom	1:1	0.384	22.39
2592.50	518598	Mtd	NR Band n41	100	Ant B	18.46	0	DFT-s-OFDM QPSK	1	137	0	Left	1:1	0.236	28.73
2592.50	518598	Mtd	NR Band n41	100	Ant B	18.28	0	DFT-s-OFDM QPSK	135	69	0	Left	1:1	0.230	28.64
2592.50	518598	Mtd	NR Band n41	100	Ant B	14.06	0	CP-OFDM QPSK	1	1	0	Bottom	1:1	0.398	22.04
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	271	0	Back	1:1	1.030	23.50
3930.00	662000	High	NR Band n77	100	Ant G	19.57	0	DFT-s-OFDM QPSK	1	137	0	Back	1:1	0.935	23.84
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	0	Back	1:1	1.100	23.49
3930.00	662000	High	NR Band n77	100	Ant G	19.52	0	DFT-s-OFDM QPSK	135	69	0	Back	1:1	0.925	23.84
3750.00	650000	Low	NR Band n77	100	Ant G	18.72	1	DFT-s-OFDM QPSK	270	0	0	Back	1:1	0.882	23.39
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	271	0	Front	1:1	1.780	21.19
3930.00	662000	High	NR Band n77	100	Ant G	19.57	0	DFT-s-OFDM QPSK	1	137	0	Front	1:1	1.660	21.35
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	0	Front	1:1	1.840	21.25
3930.00	662000	High	NR Band n77	100	Ant G	19.52	0	DFT-s-OFDM QPSK	135	69	0	Front	1:1	1.660	21.30
3750.00	650000	Low	NR Band n77	100	Ant G	18.72	1	DFT-s-OFDM QPSK	270	0	0	Front	1:1	1.200	21.91
3750.00	650000	Low	NR Band n77	100	Ant G	19.71	0	DFT-s-OFDM QPSK	1	271	0	Right	1:1	2.620	19.19
3930.00	662000	High	NR Band n77	100	Ant G	19.57	0	DFT-s-OFDM QPSK	1	137	0	Right	1:1	2.780	19.11
3750.00	650000	Low	NR Band n77	100	Ant G	19.92	0	DFT-s-OFDM QPSK	135	69	0	Right	1:1	3.090	19.00
3930.00	662000	High	NR Band n77	100	Ant G	19.52	0	DFT-s-OFDM QPSK	135	69	0	Right	1:1	2.810	19.01
3750.00	650000	Low	NR Band n77	100	Ant G	18.72	1	DFT-s-OFDM QPSK	270	0	0	Right	1:1	2.420	18.86
3750.00	650000	Low	NR Band n77	100	Ant G	17.96	1.5	CP-OFDM QPSK	1	1	0	Right	1:1	2.090	18.74

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.

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Test Dates: 09/16/20 – 12/01/20 © 2020 PCTEST	DUT Type: Portable Handset			APPENDIX A: Page 26 of 27

Table A-27
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Antenna Config	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.													(W/kg)	[dBm]	[dBm]
1745.00	349000	Mid	NR Band n66	40	Ant l	24.60	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.756	26.13	23.62
1745.00	349000	Mid	NR Band n66	40	Ant l	24.60	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.956	25.67	
1745.00	349000	Mid	NR Band n66	40	Ant l	24.60	0	DFT-s-OFDM QPSK	1	1	0	Top	1:1	3.134	23.62	
1745.00	349000	Mid	NR Band n66	40	Ant l	24.60	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.428	32.26	
1882.50	376500	Mid	NR Band n25	40	Ant l	23.90	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	1.550	25.98	24.28
1882.50	376500	Mid	NR Band n25	40	Ant l	23.90	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	1.110	27.43	
1882.50	376500	Mid	NR Band n25	40	Ant l	23.90	0	DFT-s-OFDM QPSK	1	1	0	Top	1:1	2.290	24.28	
1882.50	376500	Mid	NR Band n25	40	Ant l	23.90	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.203	34.80	
2592.99	518598	Mid	NR Band n41	100	Ant l	20.19	0	DFT-s-OFDM QPSK	1	1	0	Back	1:1	0.398	28.17	22.90
2592.99	518598	Mid	NR Band n41	100	Ant l	20.19	0	DFT-s-OFDM QPSK	1	1	0	Front	1:1	0.875	24.75	
2592.99	518598	Mid	NR Band n41	100	Ant l	20.19	0	DFT-s-OFDM QPSK	1	1	0	Top	1:1	1.340	22.90	
2592.99	518598	Mid	NR Band n41	100	Ant l	20.19	0	DFT-s-OFDM QPSK	1	1	0	Right	1:1	0.086	34.82	

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: A3LSMG996U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/16/20 – 12/01/20	DUT Type: Portable Handset			APPENDIX A: Page 27 of 27