

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GSM	31.95	Right	Cheek	A	1:8.3	0.111	32.30	32.30
836.60	190	GSM 850	GSM	31.95	Right	Tilt	A	1:8.3	0.061	34.90	
836.60	190	GSM 850	GSM	31.95	Left	Cheek	A	1:8.3	0.104	32.58	
836.60	190	GSM 850	GSM	31.95	Left	Tilt	A	1:8.3	0.065	34.61	

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1909.80	810	GSM 1900	GSM	28.93	Right	Cheek	A	1:8.3	0.053	32.49	29.86
1909.80	810	GSM 1900	GSM	28.93	Right	Tilt	A	1:8.3	0.037	34.05	
1909.80	810	GSM 1900	GSM	28.93	Left	Cheek	A	1:8.3	0.097	29.86	
1909.80	810	GSM 1900	GSM	28.93	Left	Tilt	A	1:8.3	0.031	34.82	

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	4183	UMTS 850	RMC	24.41	Right	Cheek	A	1:1	0.266	30.16	30.16
836.60	4183	UMTS 850	RMC	24.41	Right	Tilt	A	1:1	0.173	32.03	
836.60	4183	UMTS 850	RMC	24.41	Left	Cheek	A	1:1	0.209	31.21	
836.60	4183	UMTS 850	RMC	24.41	Left	Tilt	A	1:1	0.137	33.04	

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plim it	Overall Plim it
MHz	Ch.								(W/kg)		
1712.40	1312	UMTS 1750	RMC	23.29	Right	Cheek	A	1:1	0.105	33.08	30.43
1712.40	1312	UMTS 1750	RMC	23.29	Right	Tilt	A	1:1	0.084	34.05	
1712.40	1312	UMTS 1750	RMC	23.29	Left	Cheek	A	1:1	0.193	30.43	
1712.40	1312	UMTS 1750	RMC	23.29	Left	Tilt	A	1:1	0.066	35.09	

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plim it	Overall Plimit
MHz	Ch.								(W/kg)		
1907.60	9538	UMTS 1900	RMC	23.79	Right	Cheek	A	1:1	0.116	33.15	30.59
1907.60	9538	UMTS 1900	RMC	23.79	Right	Tilt	A	1:1	0.093	34.11	
1907.60	9538	UMTS 1900	RMC	23.79	Left	Cheek	A	1:1	0.209	30.59	
1907.60	9538	UMTS 1900	RMC	23.79	Left	Tilt	A	1:1	0.066	35.59	

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

Table A-6
DSI = 2 P_{Limit} Calculations – LTE Band 71 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
680.50	133297	Mid	LTE Band 71	20	25.33	Right	Cheek	A	QPSK	1	50	1:1	0.152	33.51	33.40
680.50	133297	Mid	LTE Band 71	20	24.16	Right	Cheek	A	QPSK	50	25	1:1	0.119	33.40	
680.50	133297	Mid	LTE Band 71	20	25.33	Right	Tilt	A	QPSK	1	50	1:1	0.069	36.96	
680.50	133297	Mid	LTE Band 71	20	24.16	Right	Tilt	A	QPSK	50	25	1:1	0.052	36.98	
680.50	133297	Mid	LTE Band 71	20	25.33	Left	Cheek	A	QPSK	1	50	1:1	0.150	33.57	
680.50	133297	Mid	LTE Band 71	20	24.16	Left	Cheek	A	QPSK	50	25	1:1	0.117	33.48	
680.50	133297	Mid	LTE Band 71	20	25.33	Left	Tilt	A	QPSK	1	50	1:1	0.072	36.75	
680.50	133297	Mid	LTE Band 71	20	24.16	Left	Tilt	A	QPSK	50	25	1:1	0.056	36.67	

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

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Table A-7
DSI = 2 P_{Limit} Calculations – LTE Band 12 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	25.50	Right	Cheek	A	QPSK	1	49	1:1	0.208	32.32	31.65
707.50	23095	Mid	LTE Band 12	10	24.23	Right	Cheek	A	QPSK	25	12	1:1	0.167	32.00	
707.50	23095	Mid	LTE Band 12	10	25.50	Right	Tilt	A	QPSK	1	49	1:1	0.106	35.25	
707.50	23095	Mid	LTE Band 12	10	24.23	Right	Tilt	A	QPSK	25	12	1:1	0.077	35.39	
707.50	23095	Mid	LTE Band 12	10	25.50	Left	Cheek	A	QPSK	1	49	1:1	0.226	31.96	
707.50	23095	Mid	LTE Band 12	10	24.23	Left	Cheek	A	QPSK	25	12	1:1	0.181	31.65	
707.50	23095	Mid	LTE Band 12	10	25.50	Left	Tilt	A	QPSK	1	49	1:1	0.148	33.80	
707.50	23095	Mid	LTE Band 12	10	24.23	Left	Tilt	A	QPSK	25	12	1:1	0.109	33.86	

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

Table A-8
DSI = 2 P_{Limit} Calculations – LTE Band 13 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
782.00	23230	Mid	LTE Band 13	10	25.19	Right	Cheek	QPSK	1	0	1:1	0.226	31.65	31.34
782.00	23230	Mid	LTE Band 13	10	24.20	Right	Cheek	QPSK	25	12	1:1	0.193	31.34	
782.00	23230	Mid	LTE Band 13	10	25.19	Right	Tilt	QPSK	1	0	1:1	0.140	33.73	
782.00	23230	Mid	LTE Band 13	10	24.20	Right	Tilt	QPSK	25	12	1:1	0.108	33.87	
782.00	23230	Mid	LTE Band 13	10	25.19	Left	Cheek	QPSK	1	0	1:1	0.219	31.79	
782.00	23230	Mid	LTE Band 13	10	24.20	Left	Cheek	QPSK	25	12	1:1	0.165	32.03	
782.00	23230	Mid	LTE Band 13	10	25.19	Left	Tilt	QPSK	1	0	1:1	0.152	33.37	
782.00	23230	Mid	LTE Band 13	10	24.20	Left	Tilt	QPSK	25	12	1:1	0.117	33.52	

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

Table A-9
DSI = 2 P_{Limit} Calculations – LTE Band 14 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
793.00	23330	Mid	LTE Band 14	10	25.35	Right	Cheek	QPSK	1	25	1:1	0.258	31.23	31.23
793.00	23330	Mid	LTE Band 14	10	24.36	Right	Cheek	QPSK	25	12	1:1	0.193	31.50	
793.00	23330	Mid	LTE Band 14	10	25.35	Right	Tilt	QPSK	1	25	1:1	0.140	33.89	
793.00	23330	Mid	LTE Band 14	10	24.36	Right	Tilt	QPSK	25	12	1:1	0.110	33.95	
793.00	23330	Mid	LTE Band 14	10	25.35	Left	Cheek	QPSK	1	25	1:1	0.197	32.41	
793.00	23330	Mid	LTE Band 14	10	24.36	Left	Cheek	QPSK	25	12	1:1	0.153	32.51	
793.00	23330	Mid	LTE Band 14	10	25.35	Left	Tilt	QPSK	1	25	1:1	0.137	33.98	
793.00	23330	Mid	LTE Band 14	10	24.36	Left	Tilt	QPSK	25	12	1:1	0.104	34.19	

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

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Table A-10
DSI = 2 P_{Limit} Calculations – LTE Band 26 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
831.50	26865	Mid	LTE Band 26 (Cell)	15	25.50	Right	Cheek	QPSK	1	0	1:1	0.254	31.45	31.39
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.27	Right	Cheek	QPSK	36	18	1:1	0.194	31.39	
831.50	26865	Mid	LTE Band 26 (Cell)	15	25.50	Right	Tilt	QPSK	1	0	1:1	0.140	34.04	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.27	Right	Tilt	QPSK	36	18	1:1	0.105	34.06	
831.50	26865	Mid	LTE Band 26 (Cell)	15	25.50	Left	Cheek	QPSK	1	0	1:1	0.208	32.32	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.27	Left	Cheek	QPSK	36	18	1:1	0.154	32.39	
831.50	26865	Mid	LTE Band 26 (Cell)	15	25.50	Left	Tilt	QPSK	1	0	1:1	0.145	33.89	
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.27	Left	Tilt	QPSK	36	18	1:1	0.103	34.14	

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

Table A-11
DSI = 2 P_{Limit} Calculations – LTE Band 5 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	Right	Cheek	QPSK	1	0	1:1	0.275	30.11	30.04
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	Right	Cheek	QPSK	25	25	1:1	0.216	30.04	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	Right	Tilt	QPSK	1	0	1:1	0.177	32.02	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	Right	Tilt	QPSK	25	25	1:1	0.126	32.38	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	Left	Cheek	QPSK	1	0	1:1	0.211	31.26	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	Left	Cheek	QPSK	25	25	1:1	0.171	31.05	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	Left	Tilt	QPSK	1	0	1:1	0.157	32.54	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	Left	Tilt	QPSK	25	25	1:1	0.125	32.41	

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

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Table A-12
DSI = 2 P_{Limit} Calculations – LTE Band 66 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
1770.00	132572	High	LTE Band 66 (AWS)	20	23.93	Right	Cheek	QPSK	1	0	1:1	0.136	32.59	29.52
1770.00	132572	High	LTE Band 66 (AWS)	20	22.95	Right	Cheek	QPSK	50	50	1:1	0.105	32.74	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.93	Right	Tilt	QPSK	1	0	1:1	0.104	33.76	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.95	Right	Tilt	QPSK	50	50	1:1	0.060	35.17	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.93	Left	Cheek	QPSK	1	0	1:1	0.276	29.52	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.95	Left	Cheek	QPSK	50	50	1:1	0.194	30.07	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.93	Left	Tilt	QPSK	1	0	1:1	0.056	36.45	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.95	Left	Tilt	QPSK	50	50	1:1	0.048	36.14	

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

Table A-13
DSI = 2 P_{Limit} Calculations – LTE Band 25 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.77	Right	Cheek	QPSK	1	0	1:1	0.127	32.73	29.63
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.77	Right	Cheek	QPSK	50	0	1:1	0.101	32.73	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.77	Right	Tilt	QPSK	1	0	1:1	0.101	33.73	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.77	Right	Tilt	QPSK	50	0	1:1	0.087	33.37	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.77	Left	Cheek	QPSK	1	0	1:1	0.241	29.95	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.77	Left	Cheek	QPSK	50	0	1:1	0.206	29.63	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.77	Left	Tilt	QPSK	1	0	1:1	0.099	33.81	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.77	Left	Tilt	QPSK	50	0	1:1	0.077	33.91	

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

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Table A-14
DSI = 2 P_{Limit} Calculations – LTE Band 30 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2310.00	27710	Mid	LTE Band 30	10	22.44	Right	Cheek	A	QPSK	1	25	1:1	0.067	34.18	33.43
2310.00	27710	Mid	LTE Band 30	10	21.35	Right	Cheek	A	QPSK	25	12	1:1	0.050	34.36	
2310.00	27710	Mid	LTE Band 30	10	22.44	Right	Tilt	A	QPSK	1	25	1:1	0.078	33.52	
2310.00	27710	Mid	LTE Band 30	10	21.35	Right	Tilt	A	QPSK	25	12	1:1	0.062	33.43	
2310.00	27710	Mid	LTE Band 30	10	22.44	Left	Cheek	A	QPSK	1	25	1:1	0.064	34.38	
2310.00	27710	Mid	LTE Band 30	10	21.35	Left	Cheek	A	QPSK	25	12	1:1	0.051	34.27	
2310.00	27710	Mid	LTE Band 30	10	22.44	Left	Tilt	A	QPSK	1	25	1:1	0.050	35.45	
2310.00	27710	Mid	LTE Band 30	10	21.35	Left	Tilt	A	QPSK	25	12	1:1	0.037	35.67	
2310.00	27710	Mid	LTE Band 30	10	22.67	Right	Cheek	B	QPSK	1	25	1:1	0.029	38.05	36.39
2310.00	27710	Mid	LTE Band 30	10	21.58	Right	Cheek	B	QPSK	25	12	1:1	0.022	38.16	
2310.00	27710	Mid	LTE Band 30	10	22.67	Right	Tilt	B	QPSK	1	25	1:1	0.033	37.48	
2310.00	27710	Mid	LTE Band 30	10	21.58	Right	Tilt	B	QPSK	25	12	1:1	0.028	37.11	
2310.00	27710	Mid	LTE Band 30	10	22.67	Left	Cheek	B	QPSK	1	25	1:1	0.042	36.44	
2310.00	27710	Mid	LTE Band 30	10	21.58	Left	Cheek	B	QPSK	25	12	1:1	0.033	36.39	
2310.00	27710	Mid	LTE Band 30	10	22.67	Left	Tilt	B	QPSK	1	25	1:1	0.021	39.45	
2310.00	27710	Mid	LTE Band 30	10	21.58	Left	Tilt	B	QPSK	25	12	1:1	0.016	39.54	

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

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Table A-15
DSI = 2 P_{Limit} Calculations – LTE Band 7 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2560.00	21350	High	LTE Band 7	20	23.02	Right	Cheek	QPSK	1	99	1:1	0.054	35.70	35.42
2560.00	21350	High	LTE Band 7	20	21.85	Right	Cheek	QPSK	50	50	1:1	0.044	35.42	
2560.00	21350	High	LTE Band 7	20	23.02	Right	Tilt	QPSK	1	99	1:1	0.042	36.79	
2560.00	21350	High	LTE Band 7	20	21.85	Right	Tilt	QPSK	50	50	1:1	0.033	36.66	
2560.00	21350	High	LTE Band 7	20	23.02	Left	Cheek	QPSK	1	99	1:1	0.056	35.54	
2560.00	21350	High	LTE Band 7	20	21.85	Left	Cheek	QPSK	50	50	1:1	0.044	35.42	
2560.00	21350	High	LTE Band 7	20	23.02	Left	Tilt	QPSK	1	99	1:1	0.054	35.70	
2560.00	21350	High	LTE Band 7	20	21.85	Left	Tilt	QPSK	50	50	1:1	0.041	35.72	

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

Table A-16
DSI = 2 P_{Limit} Calculations – LTE Band 41 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2593.00	40620	Mid	LTE Band 41	20	24.06	Right	Cheek	QPSK	1	50	1:1.58	0.046	35.45	32.64
2593.00	40620	Mid	LTE Band 41	20	23.01	Right	Cheek	QPSK	50	25	1:1.58	0.036	35.46	
2593.00	40620	Mid	LTE Band 41	20	24.06	Right	Tilt	QPSK	1	50	1:1.58	0.029	37.45	
2593.00	40620	Mid	LTE Band 41	20	23.01	Right	Tilt	QPSK	50	25	1:1.58	0.025	37.05	
2593.00	40620	Mid	LTE Band 41	20	24.06	Left	Cheek	QPSK	1	50	1:1.58	0.087	32.68	
2593.00	40620	Mid	LTE Band 41	20	23.01	Left	Cheek	QPSK	50	25	1:1.58	0.069	32.64	
2593.00	40620	Mid	LTE Band 41	20	24.06	Left	Tilt	QPSK	1	50	1:1.58	0.046	35.45	
2593.00	40620	Mid	LTE Band 41	20	23.01	Left	Tilt	QPSK	50	25	1:1.58	0.036	35.46	

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

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Table A-17
DSI = 2 P_{Limit} Calculations – LTE Band 48 Head SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
3560.00	55340	Low	LTE Band 48	20	16.94	Right	Cheek	QPSK	1	50	1:1.58	0.649	16.83	16.69
3603.30	55773	Low-Mid	LTE Band 48	20	17.11	Right	Cheek	QPSK	1	99	1:1.58	0.660	16.93	
3646.70	56207	Mid-High	LTE Band 48	20	17.05	Right	Cheek	QPSK	1	99	1:1.58	0.670	16.81	
3690.00	56640	High	LTE Band 48	20	17.43	Right	Cheek	QPSK	1	50	1:1.58	0.728	16.82	
3560.00	55340	Low	LTE Band 48	20	16.97	Right	Cheek	QPSK	50	25	1:1.58	0.651	16.85	
3603.30	55773	Low-Mid	LTE Band 48	20	17.13	Right	Cheek	QPSK	50	25	1:1.58	0.649	17.02	
3646.70	56207	Mid-High	LTE Band 48	20	17.15	Right	Cheek	QPSK	50	25	1:1.58	0.676	16.87	
3690.00	56640	High	LTE Band 48	20	17.30	Right	Cheek	QPSK	50	25	1:1.58	0.728	16.69	
3690.00	56640	High	LTE Band 48	20	17.20	Right	Cheek	QPSK	100	0	1:1.58	0.695	16.80	
3690.00	56640	High	LTE Band 48	20	17.43	Right	Tilt	QPSK	1	50	1:1.58	0.349	20.02	
3690.00	56640	High	LTE Band 48	20	17.30	Right	Tilt	QPSK	50	25	1:1.58	0.335	20.07	
3690.00	56640	High	LTE Band 48	20	17.43	Left	Cheek	QPSK	1	50	1:1.58	0.185	22.77	
3690.00	56640	High	LTE Band 48	20	17.30	Left	Cheek	QPSK	50	25	1:1.58	0.182	22.72	
3690.00	56640	High	LTE Band 48	20	17.43	Left	Tilt	QPSK	1	50	1:1.58	0.211	22.20	
3690.00	56640	High	LTE Band 48	20	17.30	Left	Tilt	QPSK	50	25	1:1.58	0.210	22.09	

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

Table A-18
DSI = 2 P_{Limit} Calculations – NR Band n71 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plim it	Overall Plim it
MHz	Ch.												(W/kg)		
680.50	136100	Mid	NR Band n71	20	24.23	Right	Cheek	DFT-S-OFDM	QPSK	1	53	1:1	0.160	32.19	32.12
680.50	136100	Mid	NR Band n71	20	24.40	Right	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.169	32.12	
680.50	136100	Mid	NR Band n71	20	22.89	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.098	32.98	
680.50	136100	Mid	NR Band n71	20	24.23	Right	Tilt	DFT-S-OFDM	QPSK	1	53	1:1	0.092	34.59	
680.50	136100	Mid	NR Band n71	20	24.40	Right	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.085	35.11	
680.50	136100	Mid	NR Band n71	20	24.23	Left	Cheek	DFT-S-OFDM	QPSK	1	53	1:1	0.153	32.38	
680.50	136100	Mid	NR Band n71	20	24.40	Left	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.164	32.25	
680.50	136100	Mid	NR Band n71	20	24.23	Left	Tilt	DFT-S-OFDM	QPSK	1	53	1:1	0.090	34.69	
680.50	136100	Mid	NR Band n71	20	24.40	Left	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.093	34.72	

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

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Table A-19
DSI = 2 P_{Limit} Calculations – NR Band n12 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
													MHz		
707.50	141500	Mid	NR Band n12	15	24.16	Right	Cheek	DFT-S-OFDM	QPSK	1	40	1:1	0.207	31.00	30.90
707.50	141500	Mid	NR Band n12	15	24.37	Right	Cheek	DFT-S-OFDM	QPSK	36	22	1:1	0.214	31.07	
707.50	141500	Mid	NR Band n12	15	24.16	Right	Tilt	DFT-S-OFDM	QPSK	1	40	1:1	0.105	33.95	
707.50	141500	Mid	NR Band n12	15	24.37	Right	Tilt	DFT-S-OFDM	QPSK	36	22	1:1	0.109	34.00	
707.50	141500	Mid	NR Band n12	15	24.16	Left	Cheek	DFT-S-OFDM	QPSK	1	40	1:1	0.212	30.90	
707.50	141500	Mid	NR Band n12	15	24.37	Left	Cheek	DFT-S-OFDM	QPSK	36	22	1:1	0.222	30.91	
707.50	141500	Mid	NR Band n12	15	22.65	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.145	31.04	
707.50	141500	Mid	NR Band n12	15	24.16	Left	Tilt	DFT-S-OFDM	QPSK	1	40	1:1	0.129	33.05	
707.50	141500	Mid	NR Band n12	15	24.37	Left	Tilt	DFT-S-OFDM	QPSK	36	22	1:1	0.132	33.16	

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

Table A-20
DSI = 2 P_{Limit} Calculations – NR Band n5 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
													MHz		
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.244	30.21	30.19
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	Right	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.248	30.19	
836.50	167300	Mid	NR Band n5 (Cell)	20	22.77	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.178	30.27	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.143	32.53	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	Right	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.133	32.89	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.233	30.41	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	Left	Cheek	DFT-S-OFDM	QPSK	50	28	1:1	0.214	30.83	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.168	31.83	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	Left	Tilt	DFT-S-OFDM	QPSK	50	28	1:1	0.155	32.23	

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

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Table A-21
DSI = 2 P_{Limit} Calculations – NR Band n66 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR(1g)	Plimit	Overall Plimit
MHz	Ch.	Mid												(W/kg)		
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	Right	Cheek	DFT-S-OFDM	QPSK	1	214	1:1	0.143	31.25	28.61
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	Right	Cheek	DFT-S-OFDM	QPSK	108	108	1:1	0.149	31.21	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	Right	Tilt	DFT-S-OFDM	QPSK	1	214	1:1	0.113	32.27	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	Right	Tilt	DFT-S-OFDM	QPSK	108	108	1:1	0.112	32.45	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	Left	Cheek	DFT-S-OFDM	QPSK	1	214	1:1	0.238	29.03	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	Left	Cheek	DFT-S-OFDM	QPSK	108	108	1:1	0.271	28.61	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.64	A	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.229	29.04	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	Left	Tilt	DFT-S-OFDM	QPSK	1	214	1:1	0.068	34.47	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	Left	Tilt	DFT-S-OFDM	QPSK	108	108	1:1	0.088	33.50	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.19	F	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.326	23.06	18.80
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.27	F	Right	Cheek	DFT-S-OFDM	QPSK	108	108	1:1	0.338	22.98	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.19	F	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.580	20.56	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.27	F	Right	Tilt	DFT-S-OFDM	QPSK	108	108	1:1	0.595	20.52	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.19	F	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.632	20.18	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.27	F	Left	Cheek	DFT-S-OFDM	QPSK	108	108	1:1	0.637	20.23	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.19	F	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.795	19.19	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.27	F	Left	Tilt	DFT-S-OFDM	QPSK	108	108	1:1	0.793	19.28	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.18	F	Left	Tilt	DFT-S-OFDM	QPSK	216	0	1:1	0.792	19.19	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.00	F	Left	Tilt	CP-OFDM	QPSK	1	1	1:1	0.832	18.80	

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

Table A-22
DSI = 2 P_{Limit} Calculations – NR Band n25 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
														(W/kg)		
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	Right	Cheek	DFT-S-OFDM	QPSK	1	108	1:1	0.147	32.09	29.40
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	Right	Cheek	DFT-S-OFDM	QPSK	108	54	1:1	0.152	32.29	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	Right	Tilt	DFT-S-OFDM	QPSK	1	108	1:1	0.127	32.72	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	Right	Tilt	DFT-S-OFDM	QPSK	108	54	1:1	0.117	33.43	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	Left	Cheek	DFT-S-OFDM	QPSK	1	108	1:1	0.273	29.40	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	Left	Cheek	DFT-S-OFDM	QPSK	108	54	1:1	0.217	30.75	
1882.50	376500	Mid	NR Band n25 (PCS)	40	22.57	A	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.179	30.04	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	Left	Tilt	DFT-S-OFDM	QPSK	1	108	1:1	0.079	34.78	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	Left	Tilt	DFT-S-OFDM	QPSK	108	54	1:1	0.077	35.25	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.33	F	Right	Cheek	DFT-S-OFDM	QPSK	1	108	1:1	0.396	24.35	21.28
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.41	F	Right	Cheek	DFT-S-OFDM	QPSK	108	108	1:1	0.414	24.24	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.33	F	Right	Tilt	DFT-S-OFDM	QPSK	1	108	1:1	0.519	23.18	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.41	F	Right	Tilt	DFT-S-OFDM	QPSK	108	108	1:1	0.539	23.09	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.33	F	Left	Cheek	DFT-S-OFDM	QPSK	1	108	1:1	0.589	22.63	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.41	F	Left	Cheek	DFT-S-OFDM	QPSK	108	108	1:1	0.602	22.61	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.33	F	Left	Tilt	DFT-S-OFDM	QPSK	1	108	1:1	0.738	21.65	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.41	F	Left	Tilt	DFT-S-OFDM	QPSK	108	108	1:1	0.764	21.58	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.12	F	Left	Tilt	CP-OFDM	QPSK	1	1	1:1	0.765	21.28	

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

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Table A-23
DSI = 2 P_{Limit} Calculations – NR Band n30 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2310.00	462000	Mid	NR Band n30	10	22.43	A	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.090	32.89	30.97
2310.00	462000	Mid	NR Band n30	10	22.55	A	Right	Cheek	DFT-S-OFDM	QPSK	25	14	1:1	0.097	32.68	
2310.00	462000	Mid	NR Band n30	10	22.43	A	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.112	31.94	
2310.00	462000	Mid	NR Band n30	10	22.55	A	Right	Tilt	DFT-S-OFDM	QPSK	25	14	1:1	0.122	31.69	
2310.00	462000	Mid	NR Band n30	10	22.43	A	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.140	30.97	
2310.00	462000	Mid	NR Band n30	10	22.55	A	Left	Cheek	DFT-S-OFDM	QPSK	25	14	1:1	0.131	31.38	
2310.00	462000	Mid	NR Band n30	10	20.94	A	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.089	31.45	
2310.00	462000	Mid	NR Band n30	10	22.43	A	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.082	33.29	
2310.00	462000	Mid	NR Band n30	10	22.55	A	Left	Tilt	DFT-S-OFDM	QPSK	25	14	1:1	0.093	32.87	34.82
2310.00	462000	Mid	NR Band n30	10	23.35	B	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.029	38.73	
2310.00	462000	Mid	NR Band n30	10	22.88	B	Right	Cheek	DFT-S-OFDM	QPSK	25	14	1:1	0.034	37.57	
2310.00	462000	Mid	NR Band n30	10	23.35	B	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.021	40.13	
2310.00	462000	Mid	NR Band n30	10	22.88	B	Right	Tilt	DFT-S-OFDM	QPSK	25	14	1:1	0.024	39.08	
2310.00	462000	Mid	NR Band n30	10	23.35	B	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.066	35.15	
2310.00	462000	Mid	NR Band n30	10	22.88	B	Left	Cheek	DFT-S-OFDM	QPSK	25	14	1:1	0.064	34.82	
2310.00	462000	Mid	NR Band n30	10	21.78	B	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.043	35.45	
2310.00	462000	Mid	NR Band n30	10	23.35	B	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.028	38.88	
2310.00	462000	Mid	NR Band n30	10	22.88	B	Left	Tilt	DFT-S-OFDM	QPSK	25	14	1:1	0.029	38.26	
2310.00	462000	Mid	NR Band n30	10	18.28	F	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.499	21.30	
2310.00	462000	Mid	NR Band n30	10	18.33	F	Right	Cheek	DFT-S-OFDM	QPSK	25	0	1:1	0.494	21.39	
2310.00	462000	Mid	NR Band n30	10	18.28	F	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.616	20.38	
2310.00	462000	Mid	NR Band n30	10	18.33	F	Right	Tilt	DFT-S-OFDM	QPSK	25	0	1:1	0.611	20.47	
2310.00	462000	Mid	NR Band n30	10	18.28	F	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.654	20.12	
2310.00	462000	Mid	NR Band n30	10	18.33	F	Left	Cheek	DFT-S-OFDM	QPSK	25	0	1:1	0.669	20.08	
2310.00	462000	Mid	NR Band n30	10	18.28	F	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.771	19.41	
2310.00	462000	Mid	NR Band n30	10	18.33	F	Left	Tilt	DFT-S-OFDM	QPSK	25	0	1:1	0.782	19.40	
2310.00	462000	Mid	NR Band n30	10	18.27	F	Left	Tilt	DFT-S-OFDM	QPSK	50	0	1:1	0.808	19.20	
2310.00	462000	Mid	NR Band n30	10	18.32	F	Left	Tilt	CP-OFDM	QPSK	1	1	1:1	0.787	19.36	

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

Table A-24
DSI = 2 P_{Limit} Calculations – NR Band n7 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plim it
													MHz		
2535.00	507000	Mid	NR Band n7	40	22.33	Right	Cheek	DFT-S-OFDM	QPSK	1	214	1:1	0.060	34.55	31.87
2535.00	507000	Mid	NR Band n7	40	22.36	Right	Cheek	DFT-S-OFDM	QPSK	108	54	1:1	0.069	33.97	
2535.00	507000	Mid	NR Band n7	40	22.33	Right	Tilt	DFT-S-OFDM	QPSK	1	214	1:1	0.042	36.10	
2535.00	507000	Mid	NR Band n7	40	22.36	Right	Tilt	DFT-S-OFDM	QPSK	108	54	1:1	0.059	34.65	
2535.00	507000	Mid	NR Band n7	40	22.33	Left	Cheek	DFT-S-OFDM	QPSK	1	214	1:1	0.078	33.41	
2535.00	507000	Mid	NR Band n7	40	22.36	Left	Cheek	DFT-S-OFDM	QPSK	108	54	1:1	0.112	31.87	
2535.00	507000	Mid	NR Band n7	40	21.73	Left	Cheek	CP-OFDM	QPSK	1	1	1:1	0.072	33.16	
2535.00	507000	Mid	NR Band n7	40	22.33	Left	Tilt	DFT-S-OFDM	QPSK	1	214	1:1	0.072	33.76	
2535.00	507000	Mid	NR Band n7	40	22.36	Left	Tilt	DFT-S-OFDM	QPSK	108	54	1:1	0.091	32.77	

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

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Table A-25
DSI = 2 P_{Limit} Calculations – NR Band n41 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Mid												(W/kg)		
2592.99	518598	Mid	NR Band n41	100	18.45	F	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.421	22.21	18.89
2592.99	518598	Mid	NR Band n41	100	18.37	F	Right	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.385	22.52	
2592.99	518598	Mid	NR Band n41	100	18.45	F	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.660	20.25	
2592.99	518598	Mid	NR Band n41	100	18.37	F	Right	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.619	20.45	
2592.99	518598	Mid	NR Band n41	100	18.29	F	Right	Tilt	DFT-S-OFDM	QPSK	270	0	1:1	0.545	20.93	
2592.99	518598	Mid	NR Band n41	100	18.45	F	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.866	19.07	
2592.99	518598	Mid	NR Band n41	100	18.37	F	Left	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.704	19.89	
2592.99	518598	Mid	NR Band n41	100	18.29	F	Left	Cheek	DFT-S-OFDM	QPSK	270	0	1:1	0.659	20.10	
2592.99	518598	Mid	NR Band n41	100	18.45	F	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.904	18.89	
2592.99	518598	Mid	NR Band n41	100	18.37	F	Left	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.856	19.05	
2592.99	518598	Mid	NR Band n41	100	18.29	F	Left	Tilt	DFT-S-OFDM	QPSK	270	0	1:1	0.785	19.34	30.07
2592.99	518598	Mid	NR Band n41	100	18.46	F	Left	Tilt	CP-OFDM	QPSK	1	1	1:1	0.887	18.98	
2592.99	518598	Mid	NR Band n41	100	16.50	B	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.037	30.82	
2592.99	518598	Mid	NR Band n41	100	16.50	B	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.021	33.28	
2592.99	518598	Mid	NR Band n41	100	16.50	B	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.044	30.07	
2592.99	518598	Mid	NR Band n41	100	16.50	B	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.033	31.31	
2592.99	518598	Mid	NR Band n41	100	15.38	E	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.327	20.23	
2592.99	518598	Mid	NR Band n41	100	15.38	E	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.285	20.83	
2592.99	518598	Mid	NR Band n41	100	15.38	E	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.239	21.60	
2592.99	518598	Mid	NR Band n41	100	15.38	E	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.224	21.88	
2592.99	518598	Mid	NR Band n41	100	14.49	D	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.49	
2592.99	518598	Mid	NR Band n41	100	14.49	D	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.49	
2592.99	518598	Mid	NR Band n41	100	14.49	D	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.49	54.49
2592.99	518598	Mid	NR Band n41	100	14.49	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.49	

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

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Table A-26
DSI = 2 P_{Limit} Calculations – NR Band n77 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Side	Test Position	Waveform	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
3500.01	633334	Mid	NR Band n77 DoD	100	14.36	G	Right	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.583	16.70	16.62
3500.01	633334	Mid	NR Band n77 DoD	100	14.17	G	Right	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.559	16.70	
3500.01	633334	Mid	NR Band n77 DoD	100	14.30	G	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.586	16.62	
3500.01	633334	Mid	NR Band n77 DoD	100	14.36	G	Right	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.179	21.83	
3500.01	633334	Mid	NR Band n77 DoD	100	14.17	G	Right	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.172	21.81	
3500.01	633334	Mid	NR Band n77 DoD	100	14.36	G	Left	Cheek	DFT-S-OFDM	QPSK	1	1	1:1	0.062	26.44	
3500.01	633334	Mid	NR Band n77 DoD	100	14.17	G	Left	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.068	25.84	
3500.01	633334	Mid	NR Band n77 DoD	100	14.36	G	Left	Tilt	DFT-S-OFDM	QPSK	1	1	1:1	0.072	25.79	
3500.01	633334	Mid	NR Band n77 DoD	100	14.17	G	Left	Tilt	DFT-S-OFDM	QPSK	135	0	1:1	0.070	25.72	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.011	30.79	28.41
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.010	31.20	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.019	28.41	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.007	32.75	
3500.01	633334	Mid	NR Band n77 DoD	100	14.32	H	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.32	
3500.01	633334	Mid	NR Band n77 DoD	100	14.32	H	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.011	33.91	
3500.01	633334	Mid	NR Band n77 DoD	100	14.32	H	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.32	
3500.01	633334	Mid	NR Band n77 DoD	100	14.32	H	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.32	
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.13	
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.001	41.13	41.13
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.13	
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.13	
3750.00	650000	Low	NR Band n77	100	14.76	G	Right	Cheek	DFT-S-OFDM	QPSK	1	137	1:1	0.533	17.49	16.22
3930.00	662000	High	NR Band n77	100	14.96	G	Right	Cheek	DFT-S-OFDM	QPSK	1	137	1:1	0.749	16.22	
3750.00	650000	Low	NR Band n77	100	14.69	G	Right	Cheek	DFT-S-OFDM	QPSK	135	0	1:1	0.528	17.46	
3930.00	662000	High	NR Band n77	100	14.90	G	Right	Cheek	DFT-S-OFDM	QPSK	135	69	1:1	0.738	16.22	
3930.00	662000	High	NR Band n77	100	14.77	G	Right	Cheek	DFT-S-OFDM	QPSK	270	0	1:1	0.715	16.23	
3930.00	662000	High	NR Band n77	100	14.61	G	Right	Cheek	CP-OFDM	QPSK	1	1	1:1	0.658	16.43	
3930.00	662000	High	NR Band n77	100	14.96	G	Right	Tilt	DFT-S-OFDM	QPSK	1	137	1:1	0.283	20.44	
3930.00	662000	High	NR Band n77	100	14.90	G	Right	Tilt	DFT-S-OFDM	QPSK	135	69	1:1	0.273	20.54	
3930.00	662000	High	NR Band n77	100	14.96	G	Left	Cheek	DFT-S-OFDM	QPSK	1	137	1:1	0.108	24.63	
3930.00	662000	High	NR Band n77	100	14.90	G	Left	Cheek	DFT-S-OFDM	QPSK	135	69	1:1	0.099	24.94	
3930.00	662000	High	NR Band n77	100	14.96	G	Left	Tilt	DFT-S-OFDM	QPSK	1	137	1:1	0.107	24.67	26.19
3930.00	662000	High	NR Band n77	100	14.90	G	Left	Tilt	DFT-S-OFDM	QPSK	135	69	1:1	0.069	26.51	
3930.00	662000	High	NR Band n77	100	11.75	C	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.005	34.76	
3930.00	662000	High	NR Band n77	100	11.75	C	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.006	33.97	
3930.00	662000	High	NR Band n77	100	11.75	C	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.036	26.19	
3930.00	662000	High	NR Band n77	100	11.75	C	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.008	32.72	
3930.00	662000	High	NR Band n77	100	14.91	H	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.002	41.90	
3930.00	662000	High	NR Band n77	100	14.91	H	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.91	
3930.00	662000	High	NR Band n77	100	14.91	H	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	54.91	
3930.00	662000	High	NR Band n77	100	11.92	D	Right	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.92	41.90
3930.00	662000	High	NR Band n77	100	11.92	D	Right	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.002	38.91	
3930.00	662000	High	NR Band n77	100	11.92	D	Left	Cheek	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.92	
3930.00	662000	High	NR Band n77	100	11.92	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.92	
3930.00	662000	High	NR Band n77	100	11.92	D	Left	Tilt	CW/SRS	N/A	N/A	N/A	1:1	0.000	51.92	38.91

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

FCC ID: A3LSMS901U	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
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Table A-27
DSI = 0 P_{Limit} Calculations – 2G/3G Body-Worn SAR

MEASUREMENT RESULTS										
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.							(W/kg)		
836.60	190	GSM 850	GSM	31.95	15 mm	1:8.3	back	0.148	31.05	31.05
1909.80	810	GSM 1900	GSM	28.93	15 mm	1:8.3	back	0.223	26.25	26.25
836.60	4183	UMTS 850	RMC	24.41	15 mm	1:1	back	0.280	29.94	29.94
1712.40	1312	UMTS 1750	RMC	23.29	15 mm	1:1	back	0.777	24.39	23.65
1732.40	1412	UMTS 1750	RMC	23.11	15 mm	1:1	back	0.866	23.73	
1752.60	1513	UMTS 1750	RMC	22.95	15 mm	1:1	back	0.852	23.65	
1852.40	9262	UMTS 1900	RMC	23.60	15 mm	1:1	back	0.795	24.60	
1880.00	9400	UMTS 1900	RMC	23.49	15 mm	1:1	back	0.640	25.43	24.60
1907.60	9538	UMTS 1900	RMC	23.79	15 mm	1:1	back	0.632	25.78	

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

FCC ID: A3LSMS901U	 PCTEST® Proud to be part of element	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
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Table A-28
DSI = 0 P_{Limit} Calculations – 4G Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plim it	Overall Plim it
MHz	Ch.												(W/kg)		
680.50	133297	Mid	LTE Band 71	20	25.33	A	QPSK	1	50	15 mm	back	1:1	0.275	30.94	30.84
680.50	133297	Mid	LTE Band 71	20	24.16	A	QPSK	50	25	15 mm	back	1:1	0.215	30.84	
707.50	23095	Mid	LTE Band 12	10	25.50	A	QPSK	1	49	15 mm	back	1:1	0.322	30.42	30.11
707.50	23095	Mid	LTE Band 12	10	24.23	A	QPSK	25	12	15 mm	back	1:1	0.258	30.11	
782.00	23230	Mid	LTE Band 13	10	25.19	A	QPSK	1	0	15 mm	back	1:1	0.349	29.76	29.68
782.00	23230	Mid	LTE Band 13	10	24.20	A	QPSK	25	12	15 mm	back	1:1	0.283	29.68	
793.00	23330	Mid	LTE Band 14	10	25.35	A	QPSK	1	25	15 mm	back	1:1	0.351	29.90	29.89
793.00	23330	Mid	LTE Band 14	10	24.36	A	QPSK	25	12	15 mm	back	1:1	0.280	29.89	
831.50	26865	Mid	LTE Band 26 (Cell)	15	25.50	A	QPSK	1	0	15 mm	back	1:1	0.295	30.80	30.69
831.50	26865	Mid	LTE Band 26 (Cell)	15	24.27	A	QPSK	36	18	15 mm	back	1:1	0.228	30.69	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	A	QPSK	1	0	15 mm	back	1:1	0.273	30.14	30.14
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	A	QPSK	25	25	15 mm	back	1:1	0.200	30.37	
1720.00	132072	Low	LTE Band 66 (AWS)	20	23.61	A	QPSK	1	50	15 mm	back	1:1	0.726	25.00	23.89
1745.00	132322	Mid	LTE Band 66 (AWS)	20	23.87	A	QPSK	1	50	15 mm	back	1:1	0.898	24.34	
1770.00	132572	High	LTE Band 66 (AWS)	20	23.93	A	QPSK	1	0	15 mm	back	1:1	1.010	23.89	
1720.00	132072	Low	LTE Band 66 (AWS)	20	22.68	A	QPSK	50	25	15 mm	back	1:1	0.594	24.94	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	22.85	A	QPSK	50	25	15 mm	back	1:1	0.707	24.36	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.95	A	QPSK	50	50	15 mm	back	1:1	0.748	24.21	
1770.00	132572	High	LTE Band 66 (AWS)	20	22.92	A	QPSK	100	0	15 mm	back	1:1	0.766	24.08	
1860.00	26140	Low	LTE Band 25 (PCS)	20	23.77	A	QPSK	1	0	15 mm	back	1:1	0.813	24.67	24.67
1882.50	26365	Mid	LTE Band 25 (PCS)	20	23.55	A	QPSK	1	0	15 mm	back	1:1	0.622	25.61	
1905.00	26590	High	LTE Band 25 (PCS)	20	23.56	A	QPSK	1	0	15 mm	back	1:1	0.573	25.98	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	50	0	15 mm	back	1:1	0.602	24.97	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	22.56	A	QPSK	50	25	15 mm	back	1:1	0.478	25.77	
1905.00	26590	High	LTE Band 25 (PCS)	20	22.60	A	QPSK	50	0	15 mm	back	1:1	0.441	26.16	
1860.00	26140	Low	LTE Band 25 (PCS)	20	22.61	A	QPSK	100	0	15 mm	back	1:1	0.565	25.09	
2310.00	27710	Mid	LTE Band 30	10	22.44	A	QPSK	1	25	15 mm	back	1:1	0.292	27.79	27.79
2310.00	27710	Mid	LTE Band 30	10	21.35	A	QPSK	25	12	15 mm	back	1:1	0.226	27.81	
2310.00	27710	Mid	LTE Band 30	10	22.67	B	QPSK	1	25	15 mm	back	1:1	0.124	31.74	31.71
2310.00	27710	Mid	LTE Band 30	10	21.58	B	QPSK	25	12	15 mm	back	1:1	0.097	31.71	
2560.00	21350	High	LTE Band 7	20	23.02	B	QPSK	1	99	15 mm	back	1:1	0.216	29.68	29.52
2560.00	21350	High	LTE Band 7	20	21.85	B	QPSK	50	50	15 mm	back	1:1	0.171	29.52	

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

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Table A-29
DSI = 0 P_{Limit} Calculations – 4G Body-Worn SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2593.00	40620	Mid	LTE Band 41	20	24.06	QPSK	1	50	15 mm	back	1:1.58	0.258	27.96	27.96
2593.00	40620	Mid	LTE Band 41	20	23.01	QPSK	50	25	15 mm	back	1:1.58	0.202	27.97	

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

Table A-30
DSI = 0 P_{Limit} Calculations – 4G Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
3646.70	56207	Mid-High	LTE Band 48	20	19.21	G	QPSK	1	50	15 mm	back	1:1.58	0.096	27.40	27.40
3646.70	56207	Mid-High	LTE Band 48	20	19.27	G	QPSK	50	25	15 mm	back	1:1.58	0.093	27.60	

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

FCC ID: A3LSMS901U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset	APPENDIX A: Page 16 of 45		

Table A-31
DSI = 0 P_{Limit} Calculations – 5G Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Mid												(W/kg)		
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	15 mm	back	1:1	0.287	29.65	29.44
680.50	136100	Mid	NR Band n71	20	24.40	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.313	29.44	
680.50	136100	Mid	NR Band n71	20	22.89	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.178	30.39	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	15 mm	back	1:1	0.326	29.03	29.03
707.50	141500	Mid	NR Band n12	15	24.37	A	DFT-S-OFDM	QPSK	36	22	15 mm	back	1:1	0.331	29.17	
707.50	141500	Mid	NR Band n12	15	22.65	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.194	29.77	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	15 mm	back	1:1	0.322	29.00	29.00
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	A	DFT-S-OFDM	QPSK	50	28	15 mm	back	1:1	0.313	29.17	
836.50	167300	Mid	NR Band n5 (Cell)	20	22.77	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.237	29.02	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	15 mm	back	1:1	0.782	23.87	23.51
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	15 mm	back	1:1	0.755	24.16	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.79	A	DFT-S-OFDM	QPSK	216	0	15 mm	back	1:1	0.801	23.75	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.64	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.818	23.51	27.62
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	15 mm	back	1:1	0.182	27.62	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	15 mm	back	1:1	0.185	27.71	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.14	F	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.150	28.38	25.13
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	15 mm	back	1:1	0.691	25.37	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	15 mm	back	1:1	0.680	25.78	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.08	A	DFT-S-OFDM	QPSK	216	0	15 mm	back	1:1	0.563	25.57	30.88
1882.50	376500	Mid	NR Band n25 (PCS)	40	22.57	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.554	25.13	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	15 mm	back	1:1	0.094	31.66	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.50	F	DFT-S-OFDM	QPSK	108	0	15 mm	back	1:1	0.112	31.01	24.89
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.29	F	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.110	30.88	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	15 mm	back	1:1	0.536	25.14	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	15 mm	back	1:1	0.579	24.92	32.71
2310.00	462000	Mid	NR Band n30	10	20.94	A	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.403	24.89	
2310.00	462000	Mid	NR Band n30	10	23.35	B	DFT-S-OFDM	QPSK	1	1	15 mm	back	1:1	0.116	32.71	
2310.00	462000	Mid	NR Band n30	10	22.88	B	DFT-S-OFDM	QPSK	25	14	15 mm	back	1:1	0.103	32.75	28.22
2310.00	462000	Mid	NR Band n30	10	21.78	B	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.078	32.86	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	15 mm	back	1:1	0.227	28.35	
2310.00	462000	Mid	NR Band n30	10	21.96	F	DFT-S-OFDM	QPSK	25	14	15 mm	back	1:1	0.231	28.32	26.51
2310.00	462000	Mid	NR Band n30	10	21.34	F	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.205	28.22	
2535.00	507000	Mid	NR Band n7	40	22.33	B	DFT-S-OFDM	QPSK	1	214	15 mm	back	1:1	0.382	26.51	
2535.00	507000	Mid	NR Band n7	40	22.36	B	DFT-S-OFDM	QPSK	108	54	15 mm	back	1:1	0.351	26.91	26.51
2535.00	507000	Mid	NR Band n7	40	21.73	B	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.243	27.87	

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

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Table A-32
DSI = 0 P_{Limit} Calculations – 5G Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
														(W/kg)		
MHz	Ch.															
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	15 mm	back	1:1	0.168	28.31	28.31
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	15 mm	back	1:1	0.161	28.38	
2592.99	518598	Mid	NR Band n41	100	20.54	F	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.155	28.64	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.065	28.37	28.37
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.012	34.59	34.59
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.022	31.07	31.07

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

Table A-33
DSI = 0 P_{Limit} Calculations – 5G Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
														(W/kg)		
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	15 mm	back	1:1	0.071	28.24	27.84
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	15 mm	back	1:1	0.075	27.84	
3500.01	633334	Mid	NR Band n77 DoD	100	16.86	G	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.074	28.17	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.002	38.19	38.19
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.028	32.06	32.058
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.033	25.94	25.94
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	15 mm	back	1:1	0.112	27.21	27.21
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	15 mm	back	1:1	0.109	27.32	
3930.00	662000	High	NR Band n77	100	17.59	G	CP-OFDM	QPSK	1	1	15 mm	back	1:1	0.109	27.22	
3930.00	662000	High	NR Band n77	100	11.75	C	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.026	27.60	27.60
3930.00	662000	High	NR Band n77	100	17.96	H	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.066	29.76	29.76
3930.00	662000	High	NR Band n77	100	11.92	D	CW/SRS	N/A	N/A	N/A	15 mm	back	1:1	0.008	32.89	32.89

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

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Table A-34
DSI = 3 P_{Limit} Calculations – 2G/3G Hotspot SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	# of Time Slots	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GPRS	30.18	10 mm	3	1:2.76	back	0.356	30.24	29.52
836.60	190	GSM 850	GPRS	30.18	10 mm	3	1:2.76	front	0.239	31.97	
836.60	190	GSM 850	GPRS	30.18	10 mm	3	1:2.76	bottom	0.119	34.99	
836.60	190	GSM 850	GPRS	30.18	10 mm	3	1:2.76	right	0.420	29.52	
836.60	190	GSM 850	GPRS	30.18	10 mm	3	1:2.76	left	0.243	31.89	
1909.80	810	GSM 1900	GPRS	21.75	10 mm	4	1:2.076	back	0.283	24.05	18.68
1909.80	810	GSM 1900	GPRS	21.75	10 mm	4	1:2.076	front	0.291	23.93	
1850.20	512	GSM 1900	GPRS	21.05	10 mm	4	1:2.076	bottom	0.724	19.27	
1880.00	661	GSM 1900	GPRS	21.03	10 mm	4	1:2.076	bottom	0.826	18.68	
1909.80	810	GSM 1900	GPRS	21.75	10 mm	4	1:2.076	bottom	0.809	19.49	
1909.80	810	GSM 1900	GPRS	21.75	10 mm	4	1:2.076	right	0.032	33.57	28.10
1909.80	810	GSM 1900	GPRS	21.75	10 mm	4	1:2.076	left	0.071	30.09	
836.60	4183	UMTS 850	RMC	24.41	10 mm	N/A	1:1	back	0.428	28.10	
836.60	4183	UMTS 850	RMC	24.41	10 mm	N/A	1:1	front	0.338	29.12	
836.60	4183	UMTS 850	RMC	24.41	10 mm	N/A	1:1	bottom	0.128	33.34	
836.60	4183	UMTS 850	RMC	24.41	10 mm	N/A	1:1	right	0.380	28.61	18.96
836.60	4183	UMTS 850	RMC	24.41	10 mm	N/A	1:1	left	0.251	30.41	
1712.40	1312	UMTS 1750	RMC	18.90	10 mm	N/A	1:1	back	0.440	22.47	
1712.40	1312	UMTS 1750	RMC	18.90	10 mm	N/A	1:1	front	0.330	23.71	
1712.40	1312	UMTS 1750	RMC	18.90	10 mm	N/A	1:1	bottom	0.713	20.37	
1732.40	1412	UMTS 1750	RMC	18.70	10 mm	N/A	1:1	bottom	0.928	19.02	19.32
1752.60	1513	UMTS 1750	RMC	18.53	10 mm	N/A	1:1	bottom	0.905	18.96	
1712.40	1312	UMTS 1750	RMC	18.90	10 mm	N/A	1:1	right	0.054	31.62	
1712.40	1312	UMTS 1750	RMC	18.90	10 mm	N/A	1:1	left	0.132	27.69	
1907.60	9538	UMTS 1900	RMC	18.80	10 mm	N/A	1:1	back	0.435	22.42	
1907.60	9538	UMTS 1900	RMC	18.80	10 mm	N/A	1:1	front	0.315	23.82	19.32
1852.40	9262	UMTS 1900	RMC	18.68	10 mm	N/A	1:1	bottom	0.783	19.74	
1880.00	9400	UMTS 1900	RMC	18.53	10 mm	N/A	1:1	bottom	0.756	19.74	
1907.60	9538	UMTS 1900	RMC	18.80	10 mm	N/A	1:1	bottom	0.887	19.32	
1907.60	9538	UMTS 1900	RMC	18.80	10 mm	N/A	1:1	right	0.053	31.60	
1907.60	9538	UMTS 1900	RMC	18.80	10 mm	N/A	1:1	left	0.094	29.07	

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

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Table A-35
DSI = 3 P_{Limit} Calculations – LTE Band 71 Hotspot SAR

MEASUREMENT RESULTS												
Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
										(W/kg)		
LTE Band 71	20	25.33	A	QPSK	1	50	10 mm	back	1:1	0.397	29.34	29.16
LTE Band 71	20	24.16	A	QPSK	50	25	10 mm	back	1:1	0.316	29.16	
LTE Band 71	20	25.33	A	QPSK	1	50	10 mm	front	1:1	0.308	30.44	
LTE Band 71	20	24.16	A	QPSK	50	25	10 mm	front	1:1	0.214	30.86	
LTE Band 71	20	25.33	A	QPSK	1	50	10 mm	bottom	1:1	0.089	35.82	
LTE Band 71	20	24.16	A	QPSK	50	25	10 mm	bottom	1:1	0.075	35.40	
LTE Band 71	20	25.33	A	QPSK	1	50	10 mm	right	1:1	0.213	32.05	
LTE Band 71	20	24.16	A	QPSK	50	25	10 mm	right	1:1	0.150	32.40	
LTE Band 71	20	25.33	A	QPSK	1	50	10 mm	left	1:1	0.125	34.36	
LTE Band 71	20	24.16	A	QPSK	50	25	10 mm	left	1:1	0.097	34.27	

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

Table A-36
DSI = 3 P_{Limit} Calculations – LTE Band 12 Hotspot SAR

MEASUREMENT RESULTS												
Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
										(W/kg)		
LTE Band 12	10	25.50	A	QPSK	1	49	10 mm	back	1:1	0.518	28.36	28.11
LTE Band 12	10	24.23	A	QPSK	25	12	10 mm	back	1:1	0.409	28.11	
LTE Band 12	10	25.50	A	QPSK	1	49	10 mm	front	1:1	0.346	30.11	
LTE Band 12	10	24.23	A	QPSK	25	12	10 mm	front	1:1	0.271	29.90	
LTE Band 12	10	25.50	A	QPSK	1	49	10 mm	bottom	1:1	0.127	34.46	
LTE Band 12	10	24.23	A	QPSK	25	12	10 mm	bottom	1:1	0.097	34.38	
LTE Band 12	10	25.50	A	QPSK	1	49	10 mm	right	1:1	0.292	30.85	
LTE Band 12	10	24.23	A	QPSK	25	12	10 mm	right	1:1	0.210	31.01	
LTE Band 12	10	25.50	A	QPSK	1	49	10 mm	left	1:1	0.280	31.03	
LTE Band 12	10	24.23	A	QPSK	25	12	10 mm	left	1:1	0.201	31.20	

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

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Table A-37
DSI = 3 P_{Limit} Calculations – LTE Band 13 Hotspot SAR

MEASUREMENT RESULTS												
Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
										(W/kg)		
LTE Band 13	10	25.19	A	QPSK	1	0	10 mm	back	1:1	0.512	28.10	28.07
LTE Band 13	10	24.20	A	QPSK	25	12	10 mm	back	1:1	0.410	28.07	
LTE Band 13	10	25.19	A	QPSK	1	0	10 mm	front	1:1	0.341	29.86	
LTE Band 13	10	24.20	A	QPSK	25	12	10 mm	front	1:1	0.274	29.82	
LTE Band 13	10	25.19	A	QPSK	1	0	10 mm	bottom	1:1	0.116	34.55	
LTE Band 13	10	24.20	A	QPSK	25	12	10 mm	bottom	1:1	0.093	34.52	
LTE Band 13	10	25.19	A	QPSK	1	0	10 mm	right	1:1	0.265	30.96	
LTE Band 13	10	24.20	A	QPSK	25	12	10 mm	right	1:1	0.205	31.08	
LTE Band 13	10	25.19	A	QPSK	1	0	10 mm	left	1:1	0.303	30.38	
LTE Band 13	10	24.20	A	QPSK	25	12	10 mm	left	1:1	0.239	30.42	

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

Table A-38
DSI = 3 P_{Limit} Calculations – LTE Band 14 Hotspot SAR

MEASUREMENT RESULTS												
Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
										(W/kg)		
LTE Band 14	10	25.35	A	QPSK	1	25	10 mm	back	1:1	0.486	28.48	28.42
LTE Band 14	10	24.36	A	QPSK	25	12	10 mm	back	1:1	0.393	28.42	
LTE Band 14	10	25.35	A	QPSK	1	25	10 mm	front	1:1	0.366	29.72	
LTE Band 14	10	24.36	A	QPSK	25	12	10 mm	front	1:1	0.297	29.63	
LTE Band 14	10	25.35	A	QPSK	1	25	10 mm	bottom	1:1	0.116	34.71	
LTE Band 14	10	24.36	A	QPSK	25	12	10 mm	bottom	1:1	0.099	34.39	
LTE Band 14	10	25.35	A	QPSK	1	25	10 mm	right	1:1	0.262	31.17	
LTE Band 14	10	24.36	A	QPSK	25	12	10 mm	right	1:1	0.233	30.69	
LTE Band 14	10	25.35	A	QPSK	1	25	10 mm	left	1:1	0.302	30.55	
LTE Band 14	10	24.36	A	QPSK	25	12	10 mm	left	1:1	0.250	30.38	

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

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Table A-39
DSI = 3 P_{Limit} Calculations – LTE Band 26 Hotspot SAR

MEASUREMENT RESULTS												
Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
										(W/kg)		
LTE Band 26 (Cell)	15	25.50	A	QPSK	1	0	10 mm	back	1:1	0.458	28.89	28.87
LTE Band 26 (Cell)	15	24.27	A	QPSK	36	18	10 mm	back	1:1	0.347	28.87	
LTE Band 26 (Cell)	15	25.50	A	QPSK	1	0	10 mm	front	1:1	0.330	30.31	
LTE Band 26 (Cell)	15	24.27	A	QPSK	36	18	10 mm	front	1:1	0.257	30.17	
LTE Band 26 (Cell)	15	25.50	A	QPSK	1	0	10 mm	bottom	1:1	0.127	34.46	
LTE Band 26 (Cell)	15	24.27	A	QPSK	36	18	10 mm	bottom	1:1	0.106	34.02	
LTE Band 26 (Cell)	15	25.50	A	QPSK	1	0	10 mm	right	1:1	0.375	29.76	
LTE Band 26 (Cell)	15	24.27	A	QPSK	36	18	10 mm	right	1:1	0.290	29.65	
LTE Band 26 (Cell)	15	25.50	A	QPSK	1	0	10 mm	left	1:1	0.228	31.92	
LTE Band 26 (Cell)	15	24.27	A	QPSK	36	18	10 mm	left	1:1	0.161	32.20	

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

Table A-40
DSI = 3 P_{Limit} Calculations – LTE Band 5 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
													(W/kg)		
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	A	QPSK	1	0	10 mm	back	1:1	0.474	27.74	27.74
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	A	QPSK	25	25	10 mm	back	1:1	0.356	27.87	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	A	QPSK	1	0	10 mm	front	1:1	0.311	29.57	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	A	QPSK	25	25	10 mm	front	1:1	0.247	29.45	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	A	QPSK	1	0	10 mm	bottom	1:1	0.148	32.80	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	A	QPSK	25	25	10 mm	bottom	1:1	0.125	32.41	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	A	QPSK	1	0	10 mm	right	1:1	0.429	28.18	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	A	QPSK	25	25	10 mm	right	1:1	0.288	28.79	
836.50	20525	Mid	LTE Band 5 (Cell)	10	24.50	A	QPSK	1	0	10 mm	left	1:1	0.237	30.75	
836.50	20525	Mid	LTE Band 5 (Cell)	10	23.38	A	QPSK	25	25	10 mm	left	1:1	0.158	31.39	

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

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Table A-41
DSI = 3 P_{Limit} Calculations – LTE Band 66 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1770.00	132572	High	LTE Band 66 (AWS)	20	19.13	A	QPSK	1	50	10 mm	back	1:1	0.537	21.83	19.36
1770.00	132572	High	LTE Band 66 (AWS)	20	18.97	A	QPSK	50	50	10 mm	back	1:1	0.533	21.70	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.13	A	QPSK	1	50	10 mm	front	1:1	0.474	22.37	
1770.00	132572	High	LTE Band 66 (AWS)	20	18.97	A	QPSK	50	50	10 mm	front	1:1	0.446	22.48	
1720.00	132072	Low	LTE Band 66 (AWS)	20	18.83	A	QPSK	1	99	10 mm	bottom	1:1	0.814	19.72	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	18.83	A	QPSK	1	50	10 mm	bottom	1:1	0.885	19.36	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.13	A	QPSK	1	50	10 mm	bottom	1:1	0.910	19.54	
1720.00	132072	Low	LTE Band 66 (AWS)	20	18.78	A	QPSK	50	25	10 mm	bottom	1:1	0.834	19.57	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	18.95	A	QPSK	50	25	10 mm	bottom	1:1	0.888	19.47	
1770.00	132572	High	LTE Band 66 (AWS)	20	18.97	A	QPSK	50	50	10 mm	bottom	1:1	0.884	19.51	
1770.00	132572	High	LTE Band 66 (AWS)	20	18.95	A	QPSK	100	0	10 mm	bottom	1:1	0.897	19.42	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.13	A	QPSK	1	50	10 mm	right	1:1	0.056	31.64	
1770.00	132572	High	LTE Band 66 (AWS)	20	18.97	A	QPSK	50	50	10 mm	right	1:1	0.054	31.63	
1770.00	132572	High	LTE Band 66 (AWS)	20	19.13	A	QPSK	1	50	10 mm	left	1:1	0.119	28.37	
1770.00	132572	High	LTE Band 66 (AWS)	20	18.97	A	QPSK	50	50	10 mm	left	1:1	0.118	28.25	

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

Table A-42
DSI = 3 P_{Limit} Calculations – LTE Band 25 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.57	A	QPSK	1	50	10 mm	back	1:1	0.478	21.78	19.03
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.51	A	QPSK	50	0	10 mm	back	1:1	0.489	21.62	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.57	A	QPSK	1	50	10 mm	front	1:1	0.495	21.62	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.51	A	QPSK	50	0	10 mm	front	1:1	0.500	21.52	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.57	A	QPSK	1	50	10 mm	bottom	1:1	0.741	19.87	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	18.36	A	QPSK	1	0	10 mm	bottom	1:1	0.743	19.65	
1905.00	26590	High	LTE Band 25 (PCS)	20	18.31	A	QPSK	1	50	10 mm	bottom	1:1	0.847	19.03	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.51	A	QPSK	50	0	10 mm	bottom	1:1	0.751	19.75	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	18.32	A	QPSK	50	0	10 mm	bottom	1:1	0.769	19.46	
1905.00	26590	High	LTE Band 25 (PCS)	20	18.32	A	QPSK	50	50	10 mm	bottom	1:1	0.823	19.17	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.27	A	QPSK	100	0	10 mm	bottom	1:1	0.730	19.64	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.57	A	QPSK	1	50	10 mm	right	1:1	0.048	31.73	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.51	A	QPSK	50	0	10 mm	right	1:1	0.049	31.60	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.57	A	QPSK	1	50	10 mm	left	1:1	0.126	27.57	
1860.00	26140	Low	LTE Band 25 (PCS)	20	18.51	A	QPSK	50	0	10 mm	left	1:1	0.126	27.51	

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

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Table A-43
DSI = 3 P_{Limit} Calculations – LTE Band 30 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2310.00	27710	Mid	LTE Band 30	10	18.86	A	QPSK	1	25	10 mm	back	1:1	0.263	24.66	21.46
2310.00	27710	Mid	LTE Band 30	10	18.84	A	QPSK	25	12	10 mm	back	1:1	0.257	24.74	
2310.00	27710	Mid	LTE Band 30	10	18.86	A	QPSK	1	25	10 mm	front	1:1	0.261	24.69	
2310.00	27710	Mid	LTE Band 30	10	18.84	A	QPSK	25	12	10 mm	front	1:1	0.253	24.81	
2310.00	27710	Mid	LTE Band 30	10	18.86	A	QPSK	1	25	10 mm	bottom	1:1	0.550	21.46	
2310.00	27710	Mid	LTE Band 30	10	18.84	A	QPSK	25	12	10 mm	bottom	1:1	0.543	21.49	
2310.00	27710	Mid	LTE Band 30	10	18.86	A	QPSK	1	25	10 mm	right	1:1	0.041	32.73	
2310.00	27710	Mid	LTE Band 30	10	18.84	A	QPSK	25	12	10 mm	right	1:1	0.039	32.93	
2310.00	27710	Mid	LTE Band 30	10	18.86	A	QPSK	1	25	10 mm	left	1:1	0.150	27.10	
2310.00	27710	Mid	LTE Band 30	10	18.84	A	QPSK	25	12	10 mm	left	1:1	0.144	27.26	
2310.00	27710	Mid	LTE Band 30	10	19.24	B	QPSK	1	25	10 mm	back	1:1	0.138	27.84	27.24
2310.00	27710	Mid	LTE Band 30	10	19.23	B	QPSK	25	12	10 mm	back	1:1	0.137	27.86	
2310.00	27710	Mid	LTE Band 30	10	19.24	B	QPSK	1	25	10 mm	front	1:1	0.081	30.16	
2310.00	27710	Mid	LTE Band 30	10	19.23	B	QPSK	25	12	10 mm	front	1:1	0.080	30.20	
2310.00	27710	Mid	LTE Band 30	10	19.24	B	QPSK	1	25	10 mm	bottom	1:1	0.158	27.25	
2310.00	27710	Mid	LTE Band 30	10	19.23	B	QPSK	25	12	10 mm	bottom	1:1	0.158	27.24	
2310.00	27710	Mid	LTE Band 30	10	19.24	B	QPSK	1	25	10 mm	left	1:1	0.125	28.27	
2310.00	27710	Mid	LTE Band 30	10	19.23	B	QPSK	25	12	10 mm	left	1:1	0.123	28.33	

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

Table A-44
DSI = 3 P_{Limit} Calculations – LTE Band 7 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2560.00	21350	High	LTE Band 7	20	19.27	B	QPSK	1	0	10 mm	back	1:1	0.228	25.69	23.43
2560.00	21350	High	LTE Band 7	20	19.01	B	QPSK	50	25	10 mm	back	1:1	0.219	25.61	
2560.00	21350	High	LTE Band 7	20	19.27	B	QPSK	1	0	10 mm	front	1:1	0.186	26.57	
2560.00	21350	High	LTE Band 7	20	19.01	B	QPSK	50	25	10 mm	front	1:1	0.177	26.53	
2560.00	21350	High	LTE Band 7	20	19.27	B	QPSK	1	0	10 mm	bottom	1:1	0.373	23.55	
2560.00	21350	High	LTE Band 7	20	19.01	B	QPSK	50	25	10 mm	bottom	1:1	0.361	23.43	
2560.00	21350	High	LTE Band 7	20	19.27	B	QPSK	1	0	10 mm	left	1:1	0.204	26.17	
2560.00	21350	High	LTE Band 7	20	19.01	B	QPSK	50	25	10 mm	left	1:1	0.208	25.83	

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

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Table A-45
DSI = 3 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	10 mm	back	1:1.58	0.218	25.64	25.47
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	10 mm	back	1:1.58	0.224	25.47	
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	10 mm	front	1:1.58	0.151	27.24	
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	10 mm	front	1:1.58	0.152	27.16	
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	10 mm	bottom	1:1.58	0.216	25.68	
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	10 mm	bottom	1:1.58	0.216	25.63	
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	10 mm	left	1:1.58	0.220	25.60	
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	10 mm	left	1:1.58	0.219	25.57	

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

Table A-46
DSI = 3 P_{Limit} Calculations – LTE Band 48 Hotspot SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
3646.70	56207	Mid-High	LTE Band 48	20	19.21	QPSK	1	50	10 mm	back	1:1.58	0.162	25.13	21.59
3646.70	56207	Mid-High	LTE Band 48	20	19.27	QPSK	50	25	10 mm	back	1:1.58	0.164	25.14	
3646.70	56207	Mid-High	LTE Band 48	20	19.21	QPSK	1	50	10 mm	front	1:1.58	0.128	26.15	
3646.70	56207	Mid-High	LTE Band 48	20	19.27	QPSK	50	25	10 mm	front	1:1.58	0.127	26.25	
3646.70	56207	Mid-High	LTE Band 48	20	19.21	QPSK	1	50	10 mm	top	1:1.58	0.123	26.33	
3646.70	56207	Mid-High	LTE Band 48	20	19.27	QPSK	50	25	10 mm	top	1:1.58	0.124	26.35	
3646.70	56207	Mid-High	LTE Band 48	20	19.21	QPSK	1	50	10 mm	left	1:1.58	0.366	21.59	
3646.70	56207	Mid-High	LTE Band 48	20	19.27	QPSK	50	25	10 mm	left	1:1.58	0.363	21.69	

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

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Table A-47
DSI = 3 P_{Limit} Calculations – NR Band n71 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	10 mm	back	1:1	0.440	27.80	27.73
680.50	136100	Mid	NR Band n71	20	24.40	A	DFT-S-OFDM	QPSK	50	28	10 mm	back	1:1	0.465	27.73	
680.50	136100	Mid	NR Band n71	20	22.89	A	CP-OFDM	QPSK	1	1	10 mm	back	1:1	0.312	27.95	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	10 mm	front	1:1	0.289	29.62	
680.50	136100	Mid	NR Band n71	20	24.40	A	DFT-S-OFDM	QPSK	50	28	10 mm	front	1:1	0.310	29.49	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	10 mm	bottom	1:1	0.102	34.14	
680.50	136100	Mid	NR Band n71	20	24.40	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	0.105	34.19	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	10 mm	right	1:1	0.165	32.06	
680.50	136100	Mid	NR Band n71	20	24.40	A	DFT-S-OFDM	QPSK	50	28	10 mm	right	1:1	0.181	31.82	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	10 mm	left	1:1	0.213	30.95	
680.50	136100	Mid	NR Band n71	20	24.40	A	DFT-S-OFDM	QPSK	50	28	10 mm	left	1:1	0.232	30.75	

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

Table A-48
DSI = 3 P_{Limit} Calculations – NR Band n12 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plim it	Overall Plim it
														(W/kg)		
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	10 mm	back	1:1	0.484	27.31	27.31
707.50	141500	Mid	NR Band n12	15	24.37	A	DFT-S-OFDM	QPSK	36	22	10 mm	back	1:1	0.500	27.38	
707.50	141500	Mid	NR Band n12	15	22.65	A	CP-OFDM	QPSK	1	1	10 mm	back	1:1	0.308	27.76	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	10 mm	front	1:1	0.341	28.83	
707.50	141500	Mid	NR Band n12	15	24.37	A	DFT-S-OFDM	QPSK	36	22	10 mm	front	1:1	0.352	28.90	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	10 mm	bottom	1:1	0.115	33.55	
707.50	141500	Mid	NR Band n12	15	24.37	A	DFT-S-OFDM	QPSK	36	22	10 mm	bottom	1:1	0.121	33.54	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	10 mm	right	1:1	0.262	29.98	
707.50	141500	Mid	NR Band n12	15	24.37	A	DFT-S-OFDM	QPSK	36	22	10 mm	right	1:1	0.264	30.15	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	10 mm	left	1:1	0.285	29.61	
707.50	141500	Mid	NR Band n12	15	24.37	A	DFT-S-OFDM	QPSK	36	22	10 mm	left	1:1	0.282	29.87	

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

Table A-49
DSI = 3 P_{Limit} Calculations – NR Band n5 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	10 mm	back	1:1	0.500	27.09	26.86
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	A	DFT-S-OFDM	QPSK	50	28	10 mm	back	1:1	0.533	26.86	
836.50	167300	Mid	NR Band n5 (Cell)	20	22.77	A	CP-OFDM	QPSK	1	1	10 mm	back	1:1	0.362	27.18	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	10 mm	front	1:1	0.313	29.12	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	A	DFT-S-OFDM	QPSK	50	28	10 mm	front	1:1	0.347	28.73	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.159	32.07	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	A	DFT-S-OFDM	QPSK	50	28	10 mm	bottom	1:1	0.177	31.65	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	10 mm	right	1:1	0.456	27.49	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	A	DFT-S-OFDM	QPSK	50	28	10 mm	right	1:1	0.417	27.93	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	10 mm	left	1:1	0.286	29.52	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.13	A	DFT-S-OFDM	QPSK	50	28	10 mm	left	1:1	0.228	30.55	

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

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Table A-50
DSI = 3 P_{Limit} Calculations – NR Band n66 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.61	A	DFT-S-OFDM	QPSK	1	108	10 mm	back	1:1	0.541	21.28	18.92
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.73	A	DFT-S-OFDM	QPSK	108	108	10 mm	back	1:1	0.524	21.54	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.61	A	DFT-S-OFDM	QPSK	1	108	10 mm	front	1:1	0.400	22.59	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.73	A	DFT-S-OFDM	QPSK	108	108	10 mm	front	1:1	0.406	22.64	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.61	A	DFT-S-OFDM	QPSK	1	108	10 mm	bottom	1:1	0.822	19.46	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.73	A	DFT-S-OFDM	QPSK	108	108	10 mm	bottom	1:1	0.855	19.41	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.60	A	DFT-S-OFDM	QPSK	216	0	10 mm	bottom	1:1	0.865	19.23	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.45	A	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.898	18.92	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.61	A	DFT-S-OFDM	QPSK	1	108	10 mm	right	1:1	0.053	31.37	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.73	A	DFT-S-OFDM	QPSK	108	108	10 mm	right	1:1	0.055	31.33	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.61	A	DFT-S-OFDM	QPSK	1	108	10 mm	left	1:1	0.112	28.12	
1745.00	349000	Mid	NR Band n66 (AWS)	40	18.73	A	DFT-S-OFDM	QPSK	108	108	10 mm	left	1:1	0.117	28.05	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	10 mm	back	1:1	0.278	25.78	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	10 mm	back	1:1	0.287	25.80	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	10 mm	front	1:1	0.247	26.29	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	10 mm	front	1:1	0.255	26.31	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	10 mm	top	1:1	0.381	24.41	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	10 mm	top	1:1	0.448	23.87	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.14	F	CP-OFDM	QPSK	1	1	10 mm	top	1:1	0.469	23.43	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	10 mm	right	1:1	0.085	30.93	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	10 mm	right	1:1	0.091	30.79	

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

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Table A-51
DSI = 3 P_{Limit} Calculations – NR Band n25 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit
MHz	Ch.													(W/kg)	
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.81	A	DFT-S-OFDM	QPSK	1	1	10 mm	back	1:1	0.540	20.49
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.94	A	DFT-S-OFDM	QPSK	108	108	10 mm	back	1:1	0.486	21.07
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.81	A	DFT-S-OFDM	QPSK	1	1	10 mm	front	1:1	0.472	21.07
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.94	A	DFT-S-OFDM	QPSK	108	108	10 mm	front	1:1	0.450	21.41
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.81	A	DFT-S-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.973	17.93
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.94	A	DFT-S-OFDM	QPSK	108	108	10 mm	bottom	1:1	1.000	17.94
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.80	A	DFT-S-OFDM	QPSK	216	0	10 mm	bottom	1:1	1.020	17.71
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.80	A	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	1.020	17.71
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.81	A	DFT-S-OFDM	QPSK	1	1	10 mm	right	1:1	0.205	24.69
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.94	A	DFT-S-OFDM	QPSK	108	108	10 mm	right	1:1	0.189	25.18
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.81	A	DFT-S-OFDM	QPSK	1	1	10 mm	left	1:1	0.130	26.67
1882.50	376500	Mid	NR Band n25 (PCS)	40	17.94	A	DFT-S-OFDM	QPSK	108	108	10 mm	left	1:1	0.123	27.04
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	10 mm	back	1:1	0.193	28.53
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.50	F	DFT-S-OFDM	QPSK	108	0	10 mm	back	1:1	0.208	28.32
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	10 mm	front	1:1	0.158	29.40
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.50	F	DFT-S-OFDM	QPSK	108	0	10 mm	front	1:1	0.156	29.57
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	10 mm	top	1:1	0.371	25.70
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.50	F	DFT-S-OFDM	QPSK	108	0	10 mm	top	1:1	0.386	25.63
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.29	F	CP-OFDM	QPSK	1	1	10 mm	top	1:1	0.373	25.57
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	10 mm	right	1:1	0.078	32.47
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.50	F	DFT-S-OFDM	QPSK	108	0	10 mm	right	1:1	0.082	32.36

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

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Table A-52
DSI = 3 P_{Limit} Calculations – NR Band n30 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	10 mm	back	1:1	0.367	22.78	19.16
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	10 mm	back	1:1	0.382	22.68	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	10 mm	front	1:1	0.373	22.71	
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	10 mm	front	1:1	0.387	22.62	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	10 mm	bottom	1:1	0.831	19.23	
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	10 mm	bottom	1:1	0.848	19.22	
2310.00	462000	Mid	NR Band n30	10	18.42	A	DFT-S-OFDM	QPSK	50	0	10 mm	bottom	1:1	0.843	19.16	
2310.00	462000	Mid	NR Band n30	10	18.38	A	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.804	19.33	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	10 mm	right	1:1	0.033	33.24	
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	10 mm	right	1:1	0.039	32.59	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	10 mm	left	1:1	0.158	26.44	
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	10 mm	left	1:1	0.164	26.35	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	10 mm	back	1:1	0.076	30.29	29.54
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	10 mm	back	1:1	0.078	30.23	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	10 mm	front	1:1	0.040	33.08	
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	10 mm	front	1:1	0.033	33.96	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	10 mm	bottom	1:1	0.079	30.12	
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	10 mm	bottom	1:1	0.084	29.91	
2310.00	462000	Mid	NR Band n30	10	19.03	B	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.089	29.54	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	10 mm	left	1:1	0.057	31.54	
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	10 mm	left	1:1	0.058	31.52	
2310.00	462000	Mid	NR Band n30	10	21.29	F	DFT-S-OFDM	QPSK	1	1	10 mm	back	1:1	0.443	24.83	
2310.00	462000	Mid	NR Band n30	10	21.40	F	DFT-S-OFDM	QPSK	25	14	10 mm	back	1:1	0.460	24.77	
2310.00	462000	Mid	NR Band n30	10	21.27	F	CP-OFDM	QPSK	1	1	10 mm	back	1:1	0.393	25.33	
2310.00	462000	Mid	NR Band n30	10	21.29	F	DFT-S-OFDM	QPSK	1	1	10 mm	front	1:1	0.264	27.07	24.77
2310.00	462000	Mid	NR Band n30	10	21.40	F	DFT-S-OFDM	QPSK	25	14	10 mm	front	1:1	0.270	27.09	
2310.00	462000	Mid	NR Band n30	10	21.29	F	DFT-S-OFDM	QPSK	1	1	10 mm	top	1:1	0.021	38.07	
2310.00	462000	Mid	NR Band n30	10	21.40	F	DFT-S-OFDM	QPSK	25	14	10 mm	top	1:1	0.020	38.39	
2310.00	462000	Mid	NR Band n30	10	21.29	F	DFT-S-OFDM	QPSK	1	1	10 mm	right	1:1	0.052	34.13	
2310.00	462000	Mid	NR Band n30	10	21.40	F	DFT-S-OFDM	QPSK	25	14	10 mm	right	1:1	0.055	34.00	

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

Table A-53
DSI = 3 P_{Limit} Calculations – NR Band n7 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2535.00	507000	Mid	NR Band n7	40	18.31	B	DFT-S-OFDM	QPSK	1	214	10 mm	back	1:1	0.252	24.30	20.01
2535.00	507000	Mid	NR Band n7	40	18.37	B	DFT-S-OFDM	QPSK	108	108	10 mm	back	1:1	0.276	23.96	
2535.00	507000	Mid	NR Band n7	40	18.31	B	DFT-S-OFDM	QPSK	1	214	10 mm	front	1:1	0.257	24.21	
2535.00	507000	Mid	NR Band n7	40	18.37	B	DFT-S-OFDM	QPSK	108	108	10 mm	front	1:1	0.274	23.99	
2535.00	507000	Mid	NR Band n7	40	18.31	B	DFT-S-OFDM	QPSK	1	214	10 mm	bottom	1:1	0.630	20.32	
2535.00	507000	Mid	NR Band n7	40	18.37	B	DFT-S-OFDM	QPSK	108	108	10 mm	bottom	1:1	0.658	20.19	
2535.00	507000	Mid	NR Band n7	40	18.30	B	DFT-S-OFDM	QPSK	216	0	10 mm	bottom	1:1	0.660	20.10	
2535.00	507000	Mid	NR Band n7	40	18.35	B	CP-OFDM	QPSK	1	1	10 mm	bottom	1:1	0.683	20.01	
2535.00	507000	Mid	NR Band n7	40	18.31	B	DFT-S-OFDM	QPSK	1	214	10 mm	left	1:1	0.240	24.51	
2535.00	507000	Mid	NR Band n7	40	18.37	B	DFT-S-OFDM	QPSK	108	108	10 mm	left	1:1	0.262	24.19	

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

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Table A-54
DSI = 3 P_{Limit} Calculations – NR Band n41 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	10 mm	back	1:1	0.334	25.32	25.26
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	10 mm	back	1:1	0.311	25.52	
2592.99	518598	Mid	NR Band n41	100	20.54	F	CP-OFDM	QPSK	1	1	10 mm	back	1:1	0.337	25.26	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	10 mm	front	1:1	0.180	28.01	
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	10 mm	front	1:1	0.146	28.81	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	10 mm	top	1:1	0.282	26.06	
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	10 mm	top	1:1	0.295	25.75	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	10 mm	right	1:1	0.043	34.23	
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	10 mm	right	1:1	0.053	33.21	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.128	25.43	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.144	24.92	21.63
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.307	21.63	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.097	26.63	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.034	30.07	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.126	24.38	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	10 mm	top	1:1	0.065	27.25	24.38
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.001	45.38	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.010	35.38	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.064	26.43	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.013	33.35	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.014	33.03	26.43
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.000	54.49	

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

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Table A-55
DSI = 3 P_{Limit} Calculations – NR Band n77 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Plim it	Overall Plimit
MHz	Ch.													(W/kg)		
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	10 mm	back	1:1	0.150	24.99	22.26
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	10 mm	back	1:1	0.152	24.77	
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	10 mm	front	1:1	0.108	26.42	
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	10 mm	front	1:1	0.098	26.68	
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	10 mm	top	1:1	0.069	28.36	
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	10 mm	top	1:1	0.068	28.26	
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	10 mm	left	1:1	0.270	22.44	
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	10 mm	left	1:1	0.271	22.26	
3500.01	633334	Mid	NR Band n77 DoD	100	16.86	G	CP-OFDM	QPSK	1	1	10 mm	left	1:1	0.268	22.58	26.02
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.016	29.16	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.016	29.16	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.005	34.21	
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.033	26.02	
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.079	27.55	
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.000	56.53	
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CW/SRS	N/A	N/A	N/A	10 mm	top	1:1	0.001	46.53	
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.081	22.05	22.05
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.004	35.11	
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.006	33.35	
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.006	33.35	
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	10 mm	back	1:1	0.220	24.28	
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	10 mm	back	1:1	0.216	24.35	
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	10 mm	front	1:1	0.131	26.53	
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	10 mm	front	1:1	0.132	26.48	
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	10 mm	top	1:1	0.115	27.09	21.58
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	10 mm	top	1:1	0.114	27.12	
3750.00	650000	Low	NR Band n77	100	17.65	G	DFT-S-OFDM	QPSK	1	137	10 mm	left	1:1	0.303	22.84	
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	10 mm	left	1:1	0.400	21.68	
3750.00	650000	Low	NR Band n77	100	17.68	G	DFT-S-OFDM	QPSK	135	0	10 mm	left	1:1	0.303	22.87	
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	10 mm	left	1:1	0.408	21.58	
3930.00	662000	High	NR Band n77	100	17.59	G	DFT-S-OFDM	QPSK	270	0	10 mm	left	1:1	0.370	21.91	
3930.00	662000	High	NR Band n77	100	17.59	G	CP-OFDM	QPSK	1	1	10 mm	left	1:1	0.370	21.91	
3930.00	662000	High	NR Band n77	100	11.75	C	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.049	24.85	22.07
3930.00	662000	High	NR Band n77	100	11.75	C	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.051	24.67	
3930.00	662000	High	NR Band n77	100	11.75	C	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.032	26.70	
3930.00	662000	High	NR Band n77	100	11.75	C	CW/SRS	N/A	N/A	N/A	10 mm	left	1:1	0.093	22.07	
3930.00	662000	High	NR Band n77	100	17.96	H	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.183	25.34	
3930.00	662000	High	NR Band n77	100	17.96	H	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.000	57.96	
3930.00	662000	High	NR Band n77	100	17.96	H	CW/SRS	N/A	N/A	N/A	10 mm	top	1:1	0.011	37.55	
3930.00	662000	High	NR Band n77	100	11.92	D	CW/SRS	N/A	N/A	N/A	10 mm	back	1:1	0.037	26.24	
3930.00	662000	High	NR Band n77	100	11.92	D	CW/SRS	N/A	N/A	N/A	10 mm	front	1:1	0.001	41.92	26.24
3930.00	662000	High	NR Band n77	100	11.92	D	CW/SRS	N/A	N/A	N/A	10 mm	bottom	1:1	0.005	34.93	
3930.00	662000	High	NR Band n77	100	11.92	D	CW/SRS	N/A	N/A	N/A	10 mm	right	1:1	0.000	51.92	

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

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Table A-56
DSI = 0 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	# of Time Slots	Duty Cycle	Side	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GPRS	30.18	8 mm	3	1:2.76	back	0.596	31.98	29.60
836.60	190	GSM 850	GPRS	30.18	6 mm	3	1:2.76	front	0.494	32.79	
836.60	190	GSM 850	GPRS	30.18	11 mm	3	1:2.76	bottom	0.140	38.27	
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	right	0.432	33.37	
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	left	1.030	29.60	
1909.80	810	GSM 1900	GPRS	26.13	8 mm	3	1:2.76	back	0.575	28.08	27.22
1909.80	810	GSM 1900	GPRS	26.13	6 mm	3	1:2.76	front	0.634	27.66	
1909.80	810	GSM 1900	GPRS	26.13	11 mm	3	1:2.76	bottom	0.701	27.22	
1909.80	810	GSM 1900	GPRS	26.13	0 mm	3	1:2.76	right	0.203	32.60	
1909.80	810	GSM 1900	GPRS	26.13	0 mm	3	1:2.76	left	0.528	28.45	
836.60	4183	UMTS 850	RMC	24.41	8 mm	N/A	1:1	back	0.444	31.92	30.15
836.60	4183	UMTS 850	RMC	24.41	6 mm	N/A	1:1	front	0.385	32.53	
836.60	4183	UMTS 850	RMC	24.41	11 mm	N/A	1:1	bottom	0.099	38.43	
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	right	0.279	33.93	
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	left	0.667	30.15	
1712.40	1312	UMTS 1750	RMC	23.29	8 mm	N/A	1:1	back	0.913	27.66	27.06
1712.40	1312	UMTS 1750	RMC	23.29	6 mm	N/A	1:1	front	0.906	27.70	
1712.40	1312	UMTS 1750	RMC	23.29	11 mm	N/A	1:1	bottom	1.050	27.06	
1712.40	1312	UMTS 1750	RMC	23.29	0 mm	N/A	1:1	right	0.356	31.75	
1712.40	1312	UMTS 1750	RMC	23.29	0 mm	N/A	1:1	left	0.833	28.06	
1907.60	9538	UMTS 1900	RMC	23.79	8 mm	N/A	1:1	back	0.974	27.88	26.53
1907.60	9538	UMTS 1900	RMC	23.79	6 mm	N/A	1:1	front	1.330	26.53	
1907.60	9538	UMTS 1900	RMC	23.79	11 mm	N/A	1:1	bottom	1.300	26.63	
1907.60	9538	UMTS 1900	RMC	23.79	0 mm	N/A	1:1	right	0.403	31.72	
1907.60	9538	UMTS 1900	RMC	23.79	0 mm	N/A	1:1	left	0.792	28.78	

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: A3LSMS901U	 PCTEST Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
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Table A-57
DSI = 1 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	# of Time Slots	Duty Cycle	Side	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	back	1.460	28.09	28.09
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	front	1.260	28.73	
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	bottom	0.652	31.59	
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	right	0.432	33.37	
836.60	190	GSM 850	GPRS	30.18	0 mm	3	1:2.76	left	1.030	29.60	
1909.80	810	GSM 1900	GPRS	21.75	0 mm	4	1:2.076	back	1.260	21.55	21.55
1909.80	810	GSM 1900	GPRS	21.75	0 mm	4	1:2.076	front	0.834	23.34	
1909.80	810	GSM 1900	GPRS	21.75	0 mm	4	1:2.076	bottom	0.765	23.71	
1909.80	810	GSM 1900	GPRS	26.13	0 mm	3	1:2.76	right	0.203	32.60	
1909.80	810	GSM 1900	GPRS	26.13	0 mm	3	1:2.76	left	0.528	28.45	
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	back	1.490	26.66	26.51
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	front	1.540	26.51	
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	bottom	1.020	28.30	
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	right	0.279	33.93	
836.60	4183	UMTS 850	RMC	24.41	0 mm	N/A	1:1	left	0.667	30.15	
1712.40	1312	UMTS 1750	RMC	20.41	0 mm	N/A	1:1	back	1.800	21.84	21.05
1732.40	1412	UMTS 1750	RMC	20.21	0 mm	N/A	1:1	back	2.060	21.05	
1752.60	1513	UMTS 1750	RMC	20.11	0 mm	N/A	1:1	back	1.890	21.32	
1712.40	1312	UMTS 1750	RMC	20.41	0 mm	N/A	1:1	front	1.470	22.72	
1712.40	1312	UMTS 1750	RMC	20.41	0 mm	N/A	1:1	bottom	1.650	22.21	
1712.40	1312	UMTS 1750	RMC	23.29	0 mm	N/A	1:1	right	0.356	31.75	21.54
1712.40	1312	UMTS 1750	RMC	23.29	0 mm	N/A	1:1	left	0.833	28.06	
1852.40	9262	UMTS 1900	RMC	19.32	0 mm	N/A	1:1	back	1.090	22.93	
1852.40	9262	UMTS 1900	RMC	19.32	0 mm	N/A	1:1	front	0.847	24.02	
1852.40	9262	UMTS 1900	RMC	19.32	0 mm	N/A	1:1	bottom	1.500	21.54	
1880.00	9400	UMTS 1900	RMC	19.29	0 mm	N/A	1:1	bottom	1.350	21.97	21.54
1907.60	9538	UMTS 1900	RMC	19.27	0 mm	N/A	1:1	bottom	1.400	21.79	
1907.60	9538	UMTS 1900	RMC	23.79	0 mm	N/A	1:1	right	0.403	31.72	
1907.60	9538	UMTS 1900	RMC	23.79	0 mm	N/A	1:1	left	0.792	28.78	

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: A3LSMS901U	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
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Table A-58
DSI = 0 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS													
FREQUENCY		Mode	Bandwidth [MHz]	Combined Power [dBm]	Antenna Config.	Antenna Gain	Modulation	MS Size	RE Offset	Spacing	Date	Dirty Cycle	SAR [W/kg]
Min	Max												
880.50	133207	MA	LTE Band 71	20	26.50	A	QPSK	1	50	8 mm	back	1.1	0.250
880.50	133207	MA	LTE Band 71	20	26.50	A	QPSK	1	50	8 mm	front	1.1	0.176
880.50	133207	MA	LTE Band 71	20	26.50	A	QPSK	1	50	11 mm	bottom	1.1	0.537
880.50	133207	MA	LTE Band 71	20	26.50	A	QPSK	1	50	0 mm	right	1.1	0.537
880.50	133207	MA	LTE Band 71	20	26.50	A	QPSK	1	50	0 mm	left	1.1	0.125
767.50	23095	MA	LTE Band 12	10	18.50	A	QPSK	1	40	8 mm	back	1.1	0.303
767.50	23095	MA	LTE Band 12	10	18.50	A	QPSK	1	40	8 mm	front	1.1	0.238
767.50	23095	MA	LTE Band 12	10	18.50	A	QPSK	1	40	11 mm	bottom	1.1	0.543
767.50	23095	MA	LTE Band 12	10	18.50	A	QPSK	1	40	0 mm	right	1.1	0.101
767.50	23095	MA	LTE Band 12	10	18.50	A	QPSK	1	40	0 mm	left	1.1	0.046
762.00	25230	MA	LTE Band 13	10	16.10	A	QPSK	1	0	8 mm	back	1.1	0.105
762.00	25230	MA	LTE Band 13	10	16.10	A	QPSK	1	0	8 mm	front	1.1	0.216
762.00	25230	MA	LTE Band 13	10	16.10	A	QPSK	1	0	11 mm	bottom	1.1	0.502
762.00	25230	MA	LTE Band 13	10	16.10	A	QPSK	1	0	0 mm	right	1.1	0.230
762.00	25230	MA	LTE Band 13	10	16.10	A	QPSK	1	0	0 mm	left	1.1	0.051
763.00	23330	MA	LTE Band 14	10	16.30	A	QPSK	1	25	8 mm	back	1.1	0.174
763.00	23330	MA	LTE Band 14	10	16.30	A	QPSK	1	25	8 mm	front	1.1	0.303
763.00	23330	MA	LTE Band 14	10	16.30	A	QPSK	1	25	11 mm	bottom	1.1	0.487
763.00	23330	MA	LTE Band 14	10	16.30	A	QPSK	1	25	0 mm	right	1.1	0.263
763.00	23330	MA	LTE Band 14	10	16.30	A	QPSK	1	25	0 mm	left	1.1	0.073
831.50	20885	MA	LTE Band 26 (Cat)	15	16.50	A	QPSK	1	0	8 mm	back	1.1	0.401
831.50	20885	MA	LTE Band 26 (Cat)	15	16.50	A	QPSK	1	0	8 mm	front	1.1	0.353
831.50	20885	MA	LTE Band 26 (Cat)	15	16.50	A	QPSK	1	0	11 mm	bottom	1.1	0.597
831.50	20885	MA	LTE Band 26 (Cat)	15	16.50	A	QPSK	1	0	0 mm	right	1.1	0.272
831.50	20885	MA	LTE Band 26 (Cat)	15	16.50	A	QPSK	1	0	0 mm	left	1.1	0.180
836.50	20525	MA	LTE Band 5 (Cat)	10	14.50	A	QPSK	1	0	8 mm	back	1.1	0.438
836.50	20525	MA	LTE Band 5 (Cat)	10	14.50	A	QPSK	1	0	8 mm	front	1.1	0.360
836.50	20525	MA	LTE Band 5 (Cat)	10	14.50	A	QPSK	1	0	11 mm	bottom	1.1	0.557
836.50	20525	MA	LTE Band 5 (Cat)	10	14.50	A	QPSK	1	0	0 mm	right	1.1	0.266
836.50	20525	MA	LTE Band 5 (Cat)	10	14.50	A	QPSK	1	0	0 mm	left	1.1	0.076
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	1	0	8 mm	back	1.1	1.050
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	50	50	8 mm	back	1.1	0.853
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	1	0	8 mm	front	1.1	1.180
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	50	50	8 mm	front	1.1	0.649
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	1	0	11 mm	bottom	1.1	1.250
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	50	50	11 mm	bottom	1.1	0.960
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	1	0	0 mm	right	1.1	0.391
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	50	50	0 mm	right	1.1	0.309
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	1	0	0 mm	left	1.1	0.004
1770.00	132572	HIGH	LTE Band 66 (WVS)	20	23.80	A	QPSK	50	50	0 mm	left	1.1	0.639
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	1	0	8 mm	back	1.1	1.070
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	50	0	8 mm	back	1.1	0.854
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	1	0	8 mm	front	1.1	1.110
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	50	0	8 mm	front	1.1	0.859
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	1	0	11 mm	bottom	1.1	1.210
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	50	0	11 mm	bottom	1.1	0.962
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	1	0	8 mm	right	1.1	0.366
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	50	0	8 mm	right	1.1	0.310
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	1	0	0 mm	left	1.1	1.010
1880.00	26140	Low	LTE Band 25 (PCS)	20	22.77	A	QPSK	50	0	0 mm	left	1.1	0.761
2330.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	8 mm	back	1.1	0.411
2330.00	27710	MA	LTE Band 30	10	21.35	A	QPSK	25	12	8 mm	back	1.1	0.308
2330.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	8 mm	front	1.1	0.532
2330.00	27710	MA	LTE Band 30	10	21.35	A	QPSK	25	12	8 mm	front	1.1	0.411
2330.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	11 mm	bottom	1.1	0.535
2330.00	27710	MA	LTE Band 30	10	21.35	A	QPSK	25	12	11 mm	bottom	1.1	0.421
2330.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	0 mm	right	1.1	0.141
2330.00	27710	MA	LTE Band 30	10	21.35	A	QPSK	25	12	0 mm	right	1.1	0.109
2330.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	0 mm	left	1.1	1.220
2330.00	27710	MA	LTE Band 30	10	21.35	A	QPSK	25	12	0 mm	left	1.1	0.448
2330.00	27710	MA	LTE Band 30	10	22.67	B	QPSK	1	25	8 mm	back	1.1	0.157
2330.00	27710	MA	LTE Band 30	10	21.58	B	QPSK	25	12	8 mm	back	1.1	0.122
2330.00	27710	MA	LTE Band 30	10	22.67	B	QPSK	1	25	8 mm	front	1.1	0.170
2330.00	27710	MA	LTE Band 30	10	21.58	B	QPSK	25	12	8 mm	front	1.1	0.134
2330.00	27710	MA	LTE Band 30	10	22.67	B	QPSK	1	25	11 mm	bottom	1.1	0.180
2330.00	27710	MA	LTE Band 30	10	21.58	B	QPSK	25	12	11 mm	bottom	1.1	0.127
2330.00	27710	MA	LTE Band 30	10	22.67	B	QPSK	1	25	0 mm	right	1.1	1.250
2330.00	27710	MA	LTE Band 30	10	21.58	B	QPSK	25	12	0 mm	right	1.1	0.014
2560.00	21350	HIGH	LTE Band 7	20	23.80	B	QPSK	1	99	8 mm	back	1.1	0.577
2560.00	21350	HIGH	LTE Band 7	20	21.85	B	QPSK	50	50	8 mm	back	1.1	0.267
2560.00	21350	HIGH	LTE Band 7	20	23.80	B	QPSK	1	99	8 mm	front	1.1	0.390
2560.00	21350	HIGH	LTE Band 7	20	21.85	B	QPSK	50	50	8 mm	front	1.1	0.309
2560.00	21350	HIGH	LTE Band 7	20	23.80	B	QPSK	1	99	11 mm	bottom	1.1	0.335
2560.00	21350	HIGH	LTE Band 7	20	21.85	B	QPSK	50	50	11 mm	bottom	1.1	0.262
2530.00	20950	Low	LTE Band 7	20	22.80	B	QPSK	1	50	0 mm	back	1.1	1.430
2530.00	21100	MA	LTE Band 7	20	21.01	B	QPSK	1	50	0 mm	left	1.1	1.750
2560.00	21350	HIGH	LTE Band 7	20	23.80	B	QPSK	1	99	0 mm	left	1.1	1.020
2560.00	21350	HIGH	LTE Band 7	20	21.85	B	QPSK	50	50	0 mm	left	1.1	1.400
2560.00	21350	HIGH	LTE Band 7	20	21.70	B	QPSK	100	0	0 mm	left	1.1	1.400
3646.70	56207	MA/High	LTE Band 40	20	18.21	G	QPSK	1	50	8 mm	back	1.150	0.001
3646.70	56207	MA/High	LTE Band 40	20	18.21	G	QPSK	1	50	8 mm	front	1.150	1.030
3646.70	56207	MA/High	LTE Band 40	20	18.21	G	QPSK	1	50	8 mm	top	1.150	0.031
3646.70	56207	MA/High	LTE Band 40	20	18.21	G	QPSK	1	50	8 mm	left	1.150	0.007

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: A3LSMS901U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset	APPENDIX A: Page 34 of 45

Table A-59
DSI = 0 P_{Limit} Calculations – 4G Phablet SAR

Measurement Results														
Frequency			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2593.00	40620	Mid	LTE Band 41	20	24.06	QPSK	1	50	8 mm	back	1:1.58	0.318	31.03	23.60
2593.00	40620	Mid	LTE Band 41	20	23.01	QPSK	50	25	8 mm	back	1:1.58	0.265	30.77	
2593.00	40620	Mid	LTE Band 41	20	24.06	QPSK	1	50	6 mm	front	1:1.58	0.277	31.63	
2593.00	40620	Mid	LTE Band 41	20	23.01	QPSK	50	25	6 mm	front	1:1.58	0.225	31.48	
2593.00	40620	Mid	LTE Band 41	20	24.06	QPSK	1	50	11 mm	bottom	1:1.58	0.193	33.20	
2593.00	40620	Mid	LTE Band 41	20	23.01	QPSK	50	25	11 mm	bottom	1:1.58	0.148	33.30	
2506.00	39750	Low	LTE Band 41	20	23.59	QPSK	1	99	0 mm	left	1:1.58	1.580	23.60	
2549.50	40185	Low-Mid	LTE Band 41	20	24.01	QPSK	1	50	0 mm	left	1:1.58	1.590	23.99	
2593.00	40620	Mid	LTE Band 41	20	24.06	QPSK	1	50	0 mm	left	1:1.58	1.380	24.66	
2636.50	41055	Mid-High	LTE Band 41	20	23.98	QPSK	1	50	0 mm	left	1:1.58	1.320	24.77	
2680.00	41490	High	LTE Band 41	20	23.79	QPSK	1	50	0 mm	left	1:1.58	1.140	25.22	
2593.00	40620	Mid	LTE Band 41	20	23.01	QPSK	50	25	0 mm	left	1:1.58	1.110	24.55	
2593.00	40620	Mid	LTE Band 41	20	22.90	QPSK	100	0	0 mm	left	1:1.58	1.080	24.56	

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

FCC ID: A3LSMS901U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset			APPENDIX A: Page 35 of 45

Table A-60
DSI = 1 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth (MHz)	Conducted Power (dBm)	Antenna Config.	Modulation	MS Size	MS Offset	Spacing	Site	Ray Config.	SAR (W/kg)	Power	Overall Pass/Fail	
Mhz	Ch.														
880.00	123207	MA	LTE Band 71	20	20.50	A	QPSK	1	50	0 mm	Back	1.1	1.100	20.50	20.80
880.00	123207	MA	LTE Band 71	20	20.50	A	QPSK	1	50	0 mm	Front	1.1	0.882	20.81	
880.00	123207	MA	LTE Band 71	20	20.50	A	QPSK	1	50	0 mm	Bottom	1.1	0.882	22.29	
880.00	123207	MA	LTE Band 71	20	20.50	A	QPSK	1	50	0 mm	Right	1.1	0.107	27.04	
880.00	123207	MA	LTE Band 71	20	20.50	A	QPSK	1	50	0 mm	Left	1.1	0.715	20.77	
927.00	23206	MA	LTE Band 12	10	20.50	A	QPSK	1	49	0 mm	Back	1.1	1.103	20.65	20.85
927.00	23206	MA	LTE Band 12	10	20.50	A	QPSK	1	49	0 mm	Front	1.1	0.908	20.67	
927.00	23206	MA	LTE Band 12	10	20.50	A	QPSK	1	49	0 mm	Bottom	1.1	0.908	31.81	
927.00	23206	MA	LTE Band 12	10	20.50	A	QPSK	1	49	0 mm	Right	1.1	0.103	26.82	
927.00	23206	MA	LTE Band 12	10	20.50	A	QPSK	1	49	0 mm	Left	1.1	0.908	29.72	
960.00	23230	MA	LTE Band 13	10	20.50	A	QPSK	1	0	0 mm	Back	1.1	1.000	27.24	21.71
960.00	23230	MA	LTE Band 13	10	20.50	A	QPSK	1	0	0 mm	Front	1.1	1.000	27.77	
960.00	23230	MA	LTE Band 13	10	20.50	A	QPSK	1	0	0 mm	Bottom	1.1	0.881	29.82	
960.00	23230	MA	LTE Band 13	10	20.50	A	QPSK	1	0	0 mm	Right	1.1	0.100	26.20	
960.00	23230	MA	LTE Band 13	10	20.50	A	QPSK	1	0	0 mm	Left	1.1	0.881	21.00	
960.00	23230	MA	LTE Band 14	10	20.50	A	QPSK	1	25	0 mm	Back	1.1	1.000	27.48	21.72
960.00	23230	MA	LTE Band 14	10	20.50	A	QPSK	1	25	0 mm	Front	1.1	1.000	27.79	
960.00	23230	MA	LTE Band 14	10	20.50	A	QPSK	1	25	0 mm	Bottom	1.1	0.877	29.20	
960.00	23230	MA	LTE Band 14	10	20.50	A	QPSK	1	25	0 mm	Right	1.1	0.100	26.13	
960.00	23230	MA	LTE Band 14	10	20.50	A	QPSK	1	25	0 mm	Left	1.1	0.877	31.00	
960.00	20805	MA	LTE Band 20 (Cat6)	15	20.50	A	QPSK	1	0	0 mm	Back	1.1	1.000	27.84	21.84
960.00	20805	MA	LTE Band 20 (Cat6)	15	20.50	A	QPSK	1	0	0 mm	Front	1.1	1.000	28.08	
960.00	20805	MA	LTE Band 20 (Cat6)	15	20.50	A	QPSK	1	0	0 mm	Bottom	1.1	1.000	29.27	
960.00	20805	MA	LTE Band 20 (Cat6)	15	20.50	A	QPSK	1	0	0 mm	Right	1.1	0.172	26.13	
960.00	20805	MA	LTE Band 20 (Cat6)	15	20.50	A	QPSK	1	0	0 mm	Left	1.1	0.788	30.51	
960.00	20825	MA	LTE Band 20 (Cat6)	20	20.50	A	QPSK	1	0	0 mm	Back	1.1	1.000	26.44	20.44
960.00	20825	MA	LTE Band 20 (Cat6)	20	20.50	A	QPSK	1	0	0 mm	Front	1.1	1.000	26.80	
960.00	20825	MA	LTE Band 20 (Cat6)	20	20.50	A	QPSK	1	0	0 mm	Bottom	1.1	1.120	27.95	
960.00	20825	MA	LTE Band 20 (Cat6)	20	20.50	A	QPSK	1	0	0 mm	Right	1.1	0.100	33.82	
960.00	20825	MA	LTE Band 20 (Cat6)	20	20.50	A	QPSK	1	0	0 mm	Left	1.1	0.880	29.30	
1710.00	132012	High	LTE Band 60 (AWG)	20	18.03	A	QPSK	1	50	0 mm	Back	1.1	1.100	22.48	21.25
1710.00	132012	High	LTE Band 60 (AWG)	20	18.07	A	QPSK	50	50	0 mm	Back	1.1	1.100	22.34	
1710.00	132012	High	LTE Band 60 (AWG)	20	18.03	A	QPSK	1	50	0 mm	Front	1.1	1.210	22.28	
1710.00	132012	High	LTE Band 60 (AWG)	20	18.07	A	QPSK	50	50	0 mm	Front	1.1	1.210	22.12	
1710.00	132012	High	LTE Band 60 (AWG)	20	18.03	A	QPSK	1	50	0 mm	Bottom	1.1	1.040	22.18	
1710.00	132012	Low	LTE Band 60 (AWG)	20	18.70	A	QPSK	50	25	0 mm	Bottom	1.1	1.040	21.83	21.72
1710.00	132012	Mid	LTE Band 60 (AWG)	20	18.05	A	QPSK	50	25	0 mm	Bottom	1.1	1.100	21.72	
1710.00	132012	High	LTE Band 60 (AWG)	20	18.07	A	QPSK	50	50	0 mm	Bottom	1.1	1.210	22.42	
1710.00	132012	High	LTE Band 60 (AWG)	20	23.83	A	QPSK	1	0	0 mm	Right	1.1	0.101	31.99	
1710.00	132012	High	LTE Band 60 (AWG)	20	22.95	A	QPSK	50	50	0 mm	Right	1.1	0.109	32.03	
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.80	A	QPSK	1	0	0 mm	Back	1.1	1.100	22.15	21.35
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.46	A	QPSK	50	0	0 mm	Back	1.1	1.400	21.98	
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.80	A	QPSK	1	0	0 mm	Front	1.1	1.170	22.80	
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.46	A	QPSK	50	0	0 mm	Front	1.1	1.100	22.79	
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.40	A	QPSK	1	0	0 mm	Bottom	1.1	1.170	21.62	
1880.00	26140	MA	LTE Band 20 (PCS)	20	19.30	A	QPSK	1	0	0 mm	Bottom	1.1	1.180	21.94	21.35
1880.00	26140	High	LTE Band 20 (PCS)	20	19.43	A	QPSK	1	0	0 mm	Bottom	1.1	1.040	21.53	
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.46	A	QPSK	50	0	0 mm	Bottom	1.1	1.100	21.62	
1880.00	26140	MA	LTE Band 20 (PCS)	20	19.31	A	QPSK	50	25	0 mm	Bottom	1.1	1.400	21.59	
1880.00	26140	High	LTE Band 20 (PCS)	20	19.33	A	QPSK	50	50	0 mm	Bottom	1.1	1.170	21.26	
1880.00	26140	Low	LTE Band 20 (PCS)	20	19.37	A	QPSK	100	0	0 mm	Bottom	1.1	1.400	21.71	21.35
1880.00	26140	Low	LTE Band 20 (PCS)	20	23.77	A	QPSK	1	0	0 mm	Right	1.1	0.100	31.77	
1880.00	26140	Low	LTE Band 20 (PCS)	20	23.77	A	QPSK	50	0	0 mm	Right	1.1	0.100	31.84	
1880.00	26140	Low	LTE Band 20 (PCS)	20	23.77	A	QPSK	1	0	0 mm	Left	1.1	1.010	27.71	
1880.00	26140	Low	LTE Band 20 (PCS)	20	23.77	A	QPSK	50	0	0 mm	Left	1.1	0.781	27.82	
2110.00	27710	MA	LTE Band 30	10	20.14	A	QPSK	1	25	0 mm	Back	1.1	2.000	20.88	20.51
2110.00	27710	MA	LTE Band 30	10	19.90	A	QPSK	25	12	0 mm	Back	1.1	2.100	20.90	
2110.00	27710	MA	LTE Band 30	10	20.14	A	QPSK	50	0	0 mm	Back	1.1	2.100	20.91	
2110.00	27710	MA	LTE Band 30	10	20.14	A	QPSK	25	12	0 mm	Front	1.1	0.910	24.93	
2110.00	27710	MA	LTE Band 30	10	19.90	A	QPSK	25	12	0 mm	Front	1.1	1.100	24.87	
2110.00	27710	MA	LTE Band 30	10	20.14	A	QPSK	1	25	0 mm	Bottom	1.1	1.100	23.83	21.74
2110.00	27710	MA	LTE Band 30	10	19.90	A	QPSK	25	12	0 mm	Bottom	1.1	1.040	23.77	
2110.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	0 mm	Right	1.1	0.141	34.93	
2110.00	27710	MA	LTE Band 30	10	21.26	A	QPSK	25	12	0 mm	Right	1.1	0.109	34.96	
2110.00	27710	MA	LTE Band 30	10	22.44	A	QPSK	1	25	0 mm	Left	1.1	1.120	26.56	
2110.00	27710	MA	LTE Band 30	10	21.26	A	QPSK	25	12	0 mm	Left	1.1	0.848	26.56	21.74
2110.00	27710	MA	LTE Band 30	10	20.30	B	QPSK	1	0	0 mm	Back	1.1	1.120	23.79	
2110.00	27710	MA	LTE Band 30	10	20.13	B	QPSK	25	0	0 mm	Back	1.1	1.000	23.74	
2110.00	27710	MA	LTE Band 30	10	20.30	B	QPSK	1	0	0 mm	Front	1.1	0.874	25.99	
2110.00	27710	MA	LTE Band 30	10	20.13	B	QPSK	25	0	0 mm	Front	1.1	0.850	25.94	
2110.00	27710	MA	LTE Band 30	10	22.87	B	QPSK	1	25	0 mm	Left	1.1	1.100	25.75	20.58
2110.00	27710	MA	LTE Band 30	10	21.58	B	QPSK	25	12	0 mm	Left	1.1	0.814	25.90	
2500.00	20880	Low	LTE Band 7	20	19.80	B	QPSK	1	0	0 mm	Back	1.1	1.600	20.83	
2500.00	21100	MA	LTE Band 7	20	19.26	B	QPSK	1	99	0 mm	Back	1.1	1.800	21.06	
2500.00	21100	High	LTE Band 7	20	19.27	B	QPSK	1	0	0 mm	Back	1.1	1.800	21.00	
2500.00	20880	Low	LTE Band 7	20	18.84	B	QPSK	50	25	0 mm	Back	1.1	1.800	20.72	20.58
2500.00	21100	MA	LTE Band 7	20	19.95	B	QPSK	50	50	0 mm	Back	1.1	1.600	20.75	
2500.00	21100	High	LTE Band 7	20	19.01	B	QPSK	50	25	0 mm	Back	1.1	1.710	20.66	
2500.00	21100	High	LTE Band 7	20	18.03	B	QPSK	100	0	0 mm	Back	1.1	1.600	20.56	
2500.00	21100	High	LTE Band 7	20	19.27	B	QPSK	1	0	0 mm	Front	1.1	1.000	22.82	
2500.00	21100	High	LTE Band 7	20	19.01	B	QPSK	50	25	0 mm	Front	1.1	1.000	22.82	20.58
2500.00	21100	High	LTE Band 7	20	19.27	B	QPSK	1	0	0 mm	Bottom	1.1	1.030	23.12	
2500.00	21100	High	LTE Band 7	20	19.01	B	QPSK	50	25	0 mm	Bottom	1.1	1.000	22.78	
2500.00	20880	Low	LTE Band 7	20	22.80	B	QPSK	1	50	0 mm	Left	1.1	1.830	24.66	
2500.00	21100	MA	LTE Band 7	20	23.01	B	QPSK	1	50	0 mm	Left	1.1	1.780	24.61	
2500.00	21100	High	LTE Band 7	20	23.02	B	QPSK	1	99	0 mm	Left	1.1	1.830	24.40	20.58
2500.00	21100	High	LTE Band 7	20	23.86	B	QPSK	50	50	0 mm	Left	1.1	1.400	24.37	
2500.00	21100	High	LTE Band 7	20	21.70	B	QPSK	100	0	0 mm	Left	1.1	1.400	24.22	

For some bands/modes, a

Table A-61
DSI = 1 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS														
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2506.00	39750	Low	LTE Band 41	20	20.83	QPSK	1	99	0 mm	back	1:1.58	1.350	21.52	21.37
2549.50	40185	Low-Mid	LTE Band 41	20	20.98	QPSK	1	50	0 mm	back	1:1.58	1.410	21.48	
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	0 mm	back	1:1.58	1.430	21.45	
2636.50	41055	Mid-High	LTE Band 41	20	20.75	QPSK	1	50	0 mm	back	1:1.58	1.200	21.95	
2680.00	41490	High	LTE Band 41	20	20.70	QPSK	1	50	0 mm	back	1:1.58	1.130	22.16	
2506.00	39750	Low	LTE Band 41	20	20.84	QPSK	50	25	0 mm	back	1:1.58	1.350	21.53	
2549.50	40185	Low-Mid	LTE Band 41	20	20.91	QPSK	50	50	0 mm	back	1:1.58	1.390	21.48	
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	0 mm	back	1:1.58	1.440	21.37	
2636.50	41055	Mid-High	LTE Band 41	20	20.73	QPSK	50	25	0 mm	back	1:1.58	1.190	21.97	
2680.00	41490	High	LTE Band 41	20	20.65	QPSK	50	50	0 mm	back	1:1.58	1.150	22.04	
2593.00	40620	Mid	LTE Band 41	20	20.87	QPSK	100	0	0 mm	back	1:1.58	1.390	21.44	
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	0 mm	front	1:1.58	0.908	23.42	
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	0 mm	front	1:1.58	0.911	23.36	
2593.00	40620	Mid	LTE Band 41	20	21.01	QPSK	1	50	0 mm	bottom	1:1.58	1.090	22.63	
2593.00	40620	Mid	LTE Band 41	20	20.96	QPSK	50	25	0 mm	bottom	1:1.58	1.090	22.58	
2506.00	39750	Low	LTE Band 41	20	23.59	QPSK	1	99	0 mm	left	1:1.58	1.580	23.60	
2549.50	40185	Low-Mid	LTE Band 41	20	24.01	QPSK	1	50	0 mm	left	1:1.58	1.590	23.99	
2593.00	40620	Mid	LTE Band 41	20	24.06	QPSK	1	50	0 mm	left	1:1.58	1.380	24.66	
2636.50	41055	Mid-High	LTE Band 41	20	23.98	QPSK	1	50	0 mm	left	1:1.58	1.320	24.77	
2680.00	41490	High	LTE Band 41	20	23.79	QPSK	1	50	0 mm	left	1:1.58	1.140	25.22	
2593.00	40620	Mid	LTE Band 41	20	23.01	QPSK	50	25	0 mm	left	1:1.58	1.110	24.55	
2593.00	40620	Mid	LTE Band 41	20	22.90	QPSK	100	0	0 mm	left	1:1.58	1.080	24.56	

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

Table A-62
DSI = 1 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
3646.70	56207	Mid-High	LTE Band 48	20	19.21	G	QPSK	1	50	8 mm	back	1:1.58	0.992	21.24	18.58
3646.70	56207	Mid-High	LTE Band 48	20	19.21	G	QPSK	1	50	6 mm	front	1:1.58	1.830	18.58	
3646.70	56207	Mid-High	LTE Band 48	20	19.21	G	QPSK	1	50	0 mm	top	1:1.58	0.633	23.19	
3646.70	56207	Mid-High	LTE Band 48	20	19.21	G	QPSK	1	50	0 mm	left	1:1.58	0.907	21.63	

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: A3LSMS901U	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset	APPENDIX A: Page 37 of 45		

Table A-63
DSI = 0 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	8 mm	back	1:1	0.271	33.88	29.10
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	6 mm	front	1:1	0.180	35.66	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	11 mm	bottom	1:1	0.074	39.52	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	right	1:1	0.041	42.08	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	left	1:1	0.814	29.10	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	8 mm	back	1:1	0.284	33.61	28.64
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	6 mm	front	1:1	0.266	33.89	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	11 mm	bottom	1:1	0.053	40.90	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	right	1:1	0.103	38.01	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	left	1:1	0.891	28.64	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	8 mm	back	1:1	0.280	33.59	33.59
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	6 mm	front	1:1	0.243	34.20	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	11 mm	bottom	1:1	0.075	39.31	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.215	34.74	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	0.157	36.10	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	8 mm	back	1:1	0.940	27.05	26.63
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	8 mm	back	1:1	1.000	26.92	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	6 mm	front	1:1	1.030	26.65	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	6 mm	front	1:1	1.070	26.63	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	11 mm	bottom	1:1	1.010	26.74	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	11 mm	bottom	1:1	0.988	26.97	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	0 mm	right	1:1	0.365	31.16	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	0 mm	right	1:1	0.378	31.14	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	0 mm	left	1:1	0.621	28.85	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	0 mm	left	1:1	0.600	29.14	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	back	1:1	0.343	28.85	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	front	1:1	0.698	25.76	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	top	1:1	2.080	21.02	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	0 mm	top	1:1	2.260	20.82	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.21	F	DFT-S-OFDM	QPSK	216	0	0 mm	top	1:1	2.210	20.75	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.14	F	CP-OFDM	QPSK	1	1	0 mm	top	1:1	2.110	20.88	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	right	1:1	0.122	33.34	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	8 mm	back	1:1	1.100	27.33	25.78
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	8 mm	back	1:1	1.030	27.96	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	6 mm	front	1:1	1.330	26.50	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	6 mm	front	1:1	1.240	27.16	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	11 mm	bottom	1:1	1.570	25.78	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	11 mm	bottom	1:1	1.520	26.27	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	0 mm	right	1:1	0.440	31.30	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	0 mm	right	1:1	0.459	31.47	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	0 mm	left	1:1	1.230	26.84	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	0 mm	left	1:1	1.170	27.41	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	back	1:1	0.605	27.55	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	front	1:1	1.120	24.88	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	top	1:1	2.060	22.23	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	right	1:1	0.263	31.17	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	right	1:1	0.263	31.17	

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: A3LSMS901U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset	APPENDIX A: Page 38 of 45

Table A-64
DSI = 0 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	8 mm	back	1:1	0.513	29.31	23.46
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	8 mm	back	1:1	0.551	29.12	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	6 mm	front	1:1	0.576	28.81	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	6 mm	front	1:1	0.607	28.70	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	11 mm	bottom	1:1	0.665	28.18	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	11 mm	bottom	1:1	0.642	28.45	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.193	33.55	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	0 mm	right	1:1	0.203	33.45	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	1.750	23.98	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	0 mm	left	1:1	1.730	24.15	
2310.00	462000	Mid	NR Band n30	10	21.55	A	DFT-S-OFDM	QPSK	50	0	0 mm	left	1:1	1.610	23.46	26.57
2310.00	462000	Mid	NR Band n30	10	23.35	B	DFT-S-OFDM	QPSK	1	1	8 mm	back	1:1	0.386	31.46	
2310.00	462000	Mid	NR Band n30	10	22.88	B	DFT-S-OFDM	QPSK	25	14	8 mm	back	1:1	0.384	31.02	
2310.00	462000	Mid	NR Band n30	10	23.35	B	DFT-S-OFDM	QPSK	1	1	6 mm	front	1:1	0.420	31.10	
2310.00	462000	Mid	NR Band n30	10	22.88	B	DFT-S-OFDM	QPSK	25	14	6 mm	front	1:1	0.415	30.68	
2310.00	462000	Mid	NR Band n30	10	23.35	B	DFT-S-OFDM	QPSK	1	1	11 mm	bottom	1:1	0.530	30.09	
2310.00	462000	Mid	NR Band n30	10	22.88	B	DFT-S-OFDM	QPSK	25	14	11 mm	bottom	1:1	0.553	29.43	
2310.00	462000	Mid	NR Band n30	10	23.35	B	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	1.040	27.16	
2310.00	462000	Mid	NR Band n30	10	22.88	B	DFT-S-OFDM	QPSK	25	14	0 mm	left	1:1	1.070	26.57	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	back	1:1	1.180	25.17	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	front	1:1	1.450	24.28	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	top	1:1	2.270	22.33	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	right	1:1	0.414	29.72	22.78
2535.00	507000	Mid	NR Band n7	40	22.33	B	DFT-S-OFDM	QPSK	1	214	8 mm	back	1:1	0.367	30.66	
2535.00	507000	Mid	NR Band n7	40	22.36	B	DFT-S-OFDM	QPSK	108	54	8 mm	back	1:1	0.491	29.43	
2535.00	507000	Mid	NR Band n7	40	22.33	B	DFT-S-OFDM	QPSK	1	214	6 mm	front	1:1	0.338	31.02	
2535.00	507000	Mid	NR Band n7	40	22.36	B	DFT-S-OFDM	QPSK	108	54	6 mm	front	1:1	0.502	29.33	
2535.00	507000	Mid	NR Band n7	40	22.33	B	DFT-S-OFDM	QPSK	1	214	11 mm	bottom	1:1	0.483	29.47	
2535.00	507000	Mid	NR Band n7	40	22.36	B	DFT-S-OFDM	QPSK	108	54	11 mm	bottom	1:1	0.487	29.46	
2535.00	507000	Mid	NR Band n7	40	22.33	B	DFT-S-OFDM	QPSK	1	214	0 mm	left	1:1	2.110	23.07	
2535.00	507000	Mid	NR Band n7	40	22.36	B	DFT-S-OFDM	QPSK	108	54	0 mm	left	1:1	2.210	22.90	
2535.00	507000	Mid	NR Band n7	40	22.21	B	DFT-S-OFDM	QPSK	216	0	0 mm	left	1:1	2.190	22.78	

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: A3LSMS901U	 	Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset	APPENDIX A: Page 39 of 45

Table A-65
DSI = 0 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	Mid												(W/kg)		
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	0.785	25.59	22.00
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	0.839	25.19	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	1.590	22.53	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	top	1:1	1.680	22.29	
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	0 mm	top	1:1	1.750	22.00	
2592.99	518598	Mid	NR Band n41	100	20.30	F	DFT-S-OFDM	QPSK	270	0	0 mm	top	1:1	1.580	22.29	
2592.99	518598	Mid	NR Band n41	100	20.54	F	CP-OFDM	QPSK	1	1	0 mm	top	1:1	1.510	22.73	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.422	28.29	21.89
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	8 mm	back	1:1	0.151	28.69	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	6 mm	front	1:1	0.202	27.43	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	11 mm	bottom	1:1	0.182	27.88	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	0.723	21.89	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.396	23.38	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.471	22.63	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	0.330	24.17	22.63
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	0.026	35.21	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	0.440	22.92	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.403	22.42	22.42
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.098	28.56	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	0.077	29.60	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	0.018	35.92	

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: A3LSMS901U	 PCTEST Proud to be part of 	PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset		APPENDIX A: Page 40 of 45

Table A-66
DSI = 0 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	MPR [dB]	Duty Cycle	Scaling Factor	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.													(W/kg)		
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	1.334	0.680	22.40
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	1.384	0.679	22.25
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	1.334	0.758	21.93
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	top	1:1	1.334	0.237	26.98
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	1.334	1.780	18.23
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	0 mm	left	1:1	1.384	1.760	18.11
3500.01	633334	Mid	NR Band n77 DoD	100	16.51	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.409	1.750	18.06
3500.01	633334	Mid	NR Band n77 DoD	100	16.86	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.300	1.920	18.01
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.349	0.322	20.10
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.349	0.256	21.10
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.349	0.023	31.56
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	left	1:1	1.349	0.350	19.74
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.403	0.250	26.53
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.403	0.010	40.51
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CWISRS	N/A	N/A	N/A	0 mm	top	1:1	1.403	0.018	37.96
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.371	0.297	20.38
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.371	0.041	28.98
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.371	0.068	26.78
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	right	1:1	1.371	0.028	30.64
3750.00	650000	Low	NR Band n77	100	17.65	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.084	0.978	21.73
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.072	1.020	21.59
3750.00	650000	Low	NR Band n77	100	17.68	G	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	1.076	0.992	21.69
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	0 mm	back	1:1	1.074	1.020	21.58
3930.00	662000	High	NR Band n77	100	17.59	G	DFT-S-OFDM	QPSK	270	0	0 mm	back	1:1	1.099	1.230	20.67
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	front	1:1	1.072	1.440	20.10
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	top	1:1	1.072	0.391	25.76
3750.00	650000	Low	NR Band n77	100	17.65	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.084	1.970	18.68
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.072	2.400	17.88
3750.00	650000	Low	NR Band n77	100	17.68	G	DFT-S-OFDM	QPSK	135	0	0 mm	left	1:1	1.076	2.090	18.46
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	0 mm	left	1:1	1.074	2.190	18.26
3930.00	662000	High	NR Band n77	100	17.59	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.099	2.100	18.35
3930.00	662000	High	NR Band n77	100	17.59	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.099	2.090	18.37
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.189	0.367	20.08
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.189	0.394	19.77
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	top	1:1	1.189	0.107	25.44
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	left	1:1	1.189	0.428	19.41
3930.00	662000	High	NR Band n77	100	17.96	H	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.009	0.227	28.38
3930.00	662000	High	NR Band n77	100	17.96	H	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.009	0.018	39.39
3930.00	662000	High	NR Band n77	100	17.96	H	CWISRS	N/A	N/A	N/A	0 mm	top	1:1	1.009	0.030	37.17
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.143	0.344	20.53
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.143	0.039	29.99
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.143	0.063	27.91
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	right	1:1	1.143	0.053	28.66

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

FCC ID: A3LSMS901U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset			APPENDIX A: Page 41 of 45

Table A-67
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode		Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plim it	Overall Plimit
MHz	Ch.													(W/kg)		
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	back	1:1	1.140	27.64	27.64
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	front	1:1	0.884	28.74	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	bottom	1:1	0.603	30.41	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	right	1:1	0.041	42.08	
680.50	136100	Mid	NR Band n71	20	24.23	A	DFT-S-OFDM	QPSK	1	53	0 mm	left	1:1	0.814	29.10	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	back	1:1	1.184	27.41	27.41
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	front	1:1	0.901	28.59	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	bottom	1:1	0.655	29.98	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	right	1:1	0.103	38.01	
707.50	141500	Mid	NR Band n12	15	24.16	A	DFT-S-OFDM	QPSK	1	40	0 mm	left	1:1	0.891	28.64	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	0.871	28.66	28.66
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	0.618	30.15	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	bottom	1:1	0.416	31.87	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.215	34.74	
836.50	167300	Mid	NR Band n5 (Cell)	20	24.08	A	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	0.157	36.10	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.77	A	DFT-S-OFDM	QPSK	1	108	0 mm	back	1:1	1.670	21.52	20.49
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.96	A	DFT-S-OFDM	QPSK	108	108	0 mm	back	1:1	1.770	21.46	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.76	A	DFT-S-OFDM	QPSK	216	0	0 mm	back	1:1	1.800	21.19	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.77	A	DFT-S-OFDM	QPSK	1	108	0 mm	front	1:1	1.620	21.65	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.96	A	DFT-S-OFDM	QPSK	108	108	0 mm	front	1:1	1.700	21.63	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.77	A	DFT-S-OFDM	QPSK	1	108	0 mm	bottom	1:1	1.810	21.17	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.96	A	DFT-S-OFDM	QPSK	108	108	0 mm	bottom	1:1	1.840	21.29	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.76	A	DFT-S-OFDM	QPSK	216	0	0 mm	bottom	1:1	1.910	20.93	
1745.00	349000	Mid	NR Band n66 (AWS)	40	19.59	A	CP-OFDM	QPSK	1	1	0 mm	bottom	1:1	2.030	20.49	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	0 mm	right	1:1	0.365	31.16	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	0 mm	right	1:1	0.378	31.14	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.80	A	DFT-S-OFDM	QPSK	1	214	0 mm	left	1:1	0.621	28.85	
1745.00	349000	Mid	NR Band n66 (AWS)	40	22.94	A	DFT-S-OFDM	QPSK	108	108	0 mm	left	1:1	0.600	29.14	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	back	1:1	0.343	28.85	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	front	1:1	0.698	25.76	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	top	1:1	2.080	21.02	20.75
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.38	F	DFT-S-OFDM	QPSK	108	108	0 mm	top	1:1	2.260	20.82	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.21	F	DFT-S-OFDM	QPSK	216	0	0 mm	top	1:1	2.210	20.75	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.14	F	CP-OFDM	QPSK	1	1	0 mm	top	1:1	2.110	20.88	
1745.00	349000	Mid	NR Band n66 (AWS)	40	20.22	F	DFT-S-OFDM	QPSK	1	214	0 mm	right	1:1	0.122	33.34	

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: A3LSMS901U	 PART 0 SAR CHAR REPORT 	Approved by: Quality Manager
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Table A-68
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode		Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1882.50	376500	Mid	NR Band n25 (PCS)	40	19.90	A	DFT-S-OFDM	QPSK	1	108	0 mm	back	1:1	2.190	20.47	20.17
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.00	A	DFT-S-OFDM	QPSK	108	54	0 mm	back	1:1	2.230	20.50	
1882.50	376500	Mid	NR Band n25 (PCS)	40	19.89	A	DFT-S-OFDM	QPSK	216	0	0 mm	back	1:1	2.250	20.35	
1882.50	376500	Mid	NR Band n25 (PCS)	40	19.90	A	DFT-S-OFDM	QPSK	1	108	0 mm	front	1:1	1.460	22.24	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.00	A	DFT-S-OFDM	QPSK	108	54	0 mm	front	1:1	1.510	22.19	
1882.50	376500	Mid	NR Band n25 (PCS)	40	19.90	A	DFT-S-OFDM	QPSK	1	108	0 mm	bottom	1:1	2.210	20.44	
1882.50	376500	Mid	NR Band n25 (PCS)	40	20.00	A	DFT-S-OFDM	QPSK	108	54	0 mm	bottom	1:1	2.300	20.36	
1882.50	376500	Mid	NR Band n25 (PCS)	40	19.89	A	DFT-S-OFDM	QPSK	216	0	0 mm	bottom	1:1	2.340	20.18	
1882.50	376500	Mid	NR Band n25 (PCS)	40	19.86	A	CP-OFDM	QPSK	1	1	0 mm	bottom	1:1	2.330	20.17	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	0 mm	right	1:1	0.440	31.30	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	0 mm	right	1:1	0.459	31.47	
1882.50	376500	Mid	NR Band n25 (PCS)	40	23.76	A	DFT-S-OFDM	QPSK	1	108	0 mm	left	1:1	1.230	26.84	
1882.50	376500	Mid	NR Band n25 (PCS)	40	24.11	A	DFT-S-OFDM	QPSK	108	54	0 mm	left	1:1	1.170	27.41	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	back	1:1	0.605	27.55	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	front	1:1	1.120	24.88	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	top	1:1	2.060	22.23	
1882.50	376500	Mid	NR Band n25 (PCS)	40	21.39	F	DFT-S-OFDM	QPSK	1	108	0 mm	right	1:1	0.263	31.17	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	0 mm	back	1:1	1.920	19.576	18.838
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	0 mm	back	1:1	1.860	19.784	
2310.00	462000	Mid	NR Band n30	10	18.42	A	DFT-S-OFDM	QPSK	50	0	0 mm	back	1:1	1.800	19.847	
2310.00	462000	Mid	NR Band n30	10	18.38	A	CP-OFDM	QPSK	1	1	0 mm	back	1:1	2.250	18.838	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	0 mm	front	1:1	0.879	22.970	
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	0 mm	front	1:1	0.888	22.995	
2310.00	462000	Mid	NR Band n30	10	18.43	A	DFT-S-OFDM	QPSK	1	26	0 mm	bottom	1:1	0.900	22.867	
2310.00	462000	Mid	NR Band n30	10	18.50	A	DFT-S-OFDM	QPSK	25	14	0 mm	bottom	1:1	0.915	22.865	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	0 mm	right	1:1	0.193	33.554	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	0 mm	right	1:1	0.203	33.454	
2310.00	462000	Mid	NR Band n30	10	22.43	A	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	1.750	23.979	
2310.00	462000	Mid	NR Band n30	10	22.55	A	DFT-S-OFDM	QPSK	25	14	0 mm	left	1:1	1.730	24.149	
2310.00	462000	Mid	NR Band n30	10	21.55	A	DFT-S-OFDM	QPSK	50	0	0 mm	left	1:1	1.610	23.461	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	0 mm	back	1:1	1.250	22.11	21.89
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	0 mm	back	1:1	1.330	21.89	
2310.00	462000	Mid	NR Band n30	10	19.03	B	CP-OFDM	QPSK	1	1	0 mm	back	1:1	1.170	22.33	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	0 mm	front	1:1	0.545	25.72	
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	0 mm	front	1:1	0.636	25.09	
2310.00	462000	Mid	NR Band n30	10	19.10	B	DFT-S-OFDM	QPSK	1	26	0 mm	bottom	1:1	0.535	25.80	
2310.00	462000	Mid	NR Band n30	10	19.15	B	DFT-S-OFDM	QPSK	25	14	0 mm	bottom	1:1	0.571	25.56	
2310.00	462000	Mid	NR Band n30	10	23.35	B	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	1.040	27.16	
2310.00	462000	Mid	NR Band n30	10	22.88	B	DFT-S-OFDM	QPSK	25	14	0 mm	left	1:1	1.070	26.57	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	back	1:1	1.180	25.17	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	front	1:1	1.450	24.28	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	top	1:1	2.270	22.33	
2310.00	462000	Mid	NR Band n30	10	21.91	F	DFT-S-OFDM	QPSK	1	26	0 mm	right	1:1	0.414	29.72	22.33

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: A3LSMS901U	 	Approved by: Quality Manager
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Table A-69
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2535.00	507000	Mid	NR Band n7	40	20.15	B	DFT-S-OFDM	QPSK	1	214	0 mm	back	1:1	2.460	20.22	19.59
2535.00	507000	Mid	NR Band n7	40	20.19	B	DFT-S-OFDM	QPSK	108	108	0 mm	back	1:1	2.560	20.09	
2535.00	507000	Mid	NR Band n7	40	20.02	B	DFT-S-OFDM	QPSK	216	0	0 mm	back	1:1	2.620	19.82	
2535.00	507000	Mid	NR Band n7	40	20.11	B	CP-OFDM	QPSK	1	1	0 mm	back	1:1	2.820	19.59	
2535.00	507000	Mid	NR Band n7	40	20.15	B	DFT-S-OFDM	QPSK	1	214	0 mm	front	1:1	1.500	22.37	
2535.00	507000	Mid	NR Band n7	40	20.19	B	DFT-S-OFDM	QPSK	108	108	0 mm	front	1:1	1.580	22.18	
2535.00	507000	Mid	NR Band n7	40	20.15	B	DFT-S-OFDM	QPSK	1	214	0 mm	bottom	1:1	1.680	21.88	
2535.00	507000	Mid	NR Band n7	40	20.19	B	DFT-S-OFDM	QPSK	108	108	0 mm	bottom	1:1	1.730	21.79	
2535.00	507000	Mid	NR Band n7	40	22.33	B	DFT-S-OFDM	QPSK	1	214	0 mm	left	1:1	2.110	23.07	
2535.00	507000	Mid	NR Band n7	40	22.36	B	DFT-S-OFDM	QPSK	108	54	0 mm	left	1:1	2.210	22.90	
2535.00	507000	Mid	NR Band n7	40	22.21	B	DFT-S-OFDM	QPSK	216	0	0 mm	left	1:1	2.190	22.78	

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

Table A-70
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	0.785	25.59	22.00
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	0.839	25.19	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	1.590	22.53	
2592.99	518598	Mid	NR Band n41	100	20.56	F	DFT-S-OFDM	QPSK	1	1	0 mm	top	1:1	1.680	22.29	
2592.99	518598	Mid	NR Band n41	100	20.45	F	DFT-S-OFDM	QPSK	135	0	0 mm	top	1:1	1.750	22.00	
2592.99	518598	Mid	NR Band n41	100	20.30	F	DFT-S-OFDM	QPSK	270	0	0 mm	top	1:1	1.580	22.29	
2592.99	518598	Mid	NR Band n41	100	20.54	F	CP-OFDM	QPSK	1	1	0 mm	top	1:1	1.510	22.73	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	1.110	20.03	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.784	21.54	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	0.422	24.23	
2592.99	518598	Mid	NR Band n41	100	16.50	B	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	0.723	21.89	20.03
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.396	23.38	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.471	22.63	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	top	1:1	0.330	24.17	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	0.026	35.21	
2592.99	518598	Mid	NR Band n41	100	15.38	E	CW/SRS	N/A	N/A	N/A	0 mm	left	1:1	0.440	22.92	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	back	1:1	0.403	22.42	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	front	1:1	0.098	28.56	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	bottom	1:1	0.077	29.60	
2592.99	518598	Mid	NR Band n41	100	14.49	D	CW/SRS	N/A	N/A	N/A	0 mm	right	1:1	0.018	35.92	

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: A3LSMS901U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset	APPENDIX A: Page 44 of 45		

Table A-71
DSI = 1 P_{Limit} Calculations – 5G Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config	Waveform	Modulation	RB Size	RB Offset	Spacing	MPR [dB]	Duty Cycle	Scaling Factor	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.													(W/kg)		
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	back	1:1	1.334	0.680	22.40
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	1.384	0.679	22.25
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	front	1:1	1.334	0.758	21.93
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	top	1:1	1.334	0.237	26.98
3500.01	633334	Mid	NR Band n77 DoD	100	16.75	G	DFT-S-OFDM	QPSK	1	1	0 mm	left	1:1	1.334	1.780	18.23
3500.01	633334	Mid	NR Band n77 DoD	100	16.59	G	DFT-S-OFDM	QPSK	135	0	0 mm	left	1:1	1.384	1.760	18.11
3500.01	633334	Mid	NR Band n77 DoD	100	16.51	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.409	1.750	18.06
3500.01	633334	Mid	NR Band n77 DoD	100	16.86	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.300	1.920	18.01
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.349	0.322	20.10
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.349	0.256	21.10
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.349	0.023	31.56
3500.01	633334	Mid	NR Band n77 DoD	100	11.20	C	CWISRS	N/A	N/A	N/A	0 mm	left	1:1	1.349	0.350	19.74
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.403	0.250	26.53
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.403	0.010	40.51
3500.01	633334	Mid	NR Band n77 DoD	100	16.53	H	CWISRS	N/A	N/A	N/A	0 mm	top	1:1	1.403	0.018	37.96
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.371	0.297	20.38
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.371	0.041	28.98
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.371	0.068	26.78
3500.01	633334	Mid	NR Band n77 DoD	100	11.13	D	CWISRS	N/A	N/A	N/A	0 mm	right	1:1	1.371	0.028	30.64
3750.00	650000	Low	NR Band n77	100	17.65	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.084	0.978	21.73
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	back	1:1	1.072	1.020	21.59
3750.00	650000	Low	NR Band n77	100	17.68	G	DFT-S-OFDM	QPSK	135	0	0 mm	back	1:1	1.076	0.992	21.69
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	0 mm	back	1:1	1.074	1.020	21.58
3930.00	662000	High	NR Band n77	100	17.59	G	DFT-S-OFDM	QPSK	270	0	0 mm	back	1:1	1.099	1.230	20.67
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	front	1:1	1.072	1.440	20.10
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	top	1:1	1.072	0.391	25.76
3750.00	650000	Low	NR Band n77	100	17.65	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.084	1.970	18.68
3930.00	662000	High	NR Band n77	100	17.70	G	DFT-S-OFDM	QPSK	1	137	0 mm	left	1:1	1.072	2.400	17.88
3750.00	650000	Low	NR Band n77	100	17.68	G	DFT-S-OFDM	QPSK	135	0	0 mm	left	1:1	1.076	2.090	18.46
3930.00	662000	High	NR Band n77	100	17.69	G	DFT-S-OFDM	QPSK	135	69	0 mm	left	1:1	1.074	2.190	18.26
3930.00	662000	High	NR Band n77	100	17.59	G	DFT-S-OFDM	QPSK	270	0	0 mm	left	1:1	1.099	2.100	18.35
3930.00	662000	High	NR Band n77	100	17.59	G	CP-OFDM	QPSK	1	1	0 mm	left	1:1	1.099	2.090	18.37
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.189	0.367	20.08
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.189	0.394	19.77
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	top	1:1	1.189	0.107	25.44
3930.00	662000	High	NR Band n77	100	11.75	C	CWISRS	N/A	N/A	N/A	0 mm	left	1:1	1.189	0.428	19.41
3930.00	662000	High	NR Band n77	100	17.96	H	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.009	0.227	28.38
3930.00	662000	High	NR Band n77	100	17.96	H	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.009	0.018	39.39
3930.00	662000	High	NR Band n77	100	17.96	H	CWISRS	N/A	N/A	N/A	0 mm	top	1:1	1.009	0.030	37.17
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	back	1:1	1.143	0.344	20.53
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	front	1:1	1.143	0.039	29.99
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	bottom	1:1	1.143	0.063	27.91
3930.00	662000	High	NR Band n77	100	11.92	D	CWISRS	N/A	N/A	N/A	0 mm	right	1:1	1.143	0.053	28.66

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: A3LSMS901U		PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 09/12/21 - 11/08/21	DUT Type: Portable Handset			APPENDIX A: Page 45 of 45