

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

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

MEASUREMENT RESULTS										
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Side	Test Position	Duty Cycle	SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.							(W/kg)	[dBm]	[dBm]
836.60	190	GSM 850	GSM	31.40	Right	Cheek	1:8.3	0.049	35.30	33.01
836.60	190	GSM 850	GSM	31.40	Right	Tilt	1:8.3	0.029	37.57	
836.60	190	GSM 850	GSM	31.40	Left	Cheek	1:8.3	0.083	33.01	
836.60	190	GSM 850	GSM	31.40	Left	Tilt	1:8.3	0.036	36.64	
1909.80	810	GSM 1900	GSM	28.70	Right	Cheek	1:8.3	0.042	33.27	33.27
1909.80	810	GSM 1900	GSM	28.70	Right	Tilt	1:8.3	0.018	36.95	
1909.80	810	GSM 1900	GSM	28.70	Left	Cheek	1:8.3	0.033	34.31	
1909.80	810	GSM 1900	GSM	28.70	Left	Tilt	1:8.3	0.032	34.45	
836.60	4183	UMTS 850	RMC	23.54	Right	Cheek	1:1	0.104	33.37	32.02
836.60	4183	UMTS 850	RMC	23.54	Right	Tilt	1:1	0.064	35.48	
836.60	4183	UMTS 850	RMC	23.54	Left	Cheek	1:1	0.142	32.02	
836.60	4183	UMTS 850	RMC	23.54	Left	Tilt	1:1	0.064	35.48	

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




FCC ID: A3LSMN986JPN	 Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 07/09/20 – 09/03/20	DUT Type: Portable Handset	APPENDIX A: Page 1 of 9		

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

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Side	Test Position	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
Mhz	Ch.	W/kg											[dBm]	[dBm]	
707.5	23095	Mid	LTE Band 12	10	22.55	0	Right	Cheek	QPSK	1	49	1:1	0.036	36.99	35.83
707.5	23095	Mid	LTE Band 12	10	21.70	1	Right	Cheek	QPSK	25	12	1:1	0.027	37.39	
707.5	23095	Mid	LTE Band 12	10	22.55	0	Right	Tilt	QPSK	1	49	1:1	0.019	39.76	
707.5	23095	Mid	LTE Band 12	10	21.70	1	Right	Tilt	QPSK	25	12	1:1	0.014	40.24	
707.5	23095	Mid	LTE Band 12	10	22.55	0	Left	Cheek	QPSK	1	49	1:1	0.047	35.83	
707.5	23095	Mid	LTE Band 12	10	21.70	1	Left	Cheek	QPSK	25	12	1:1	0.036	36.14	
707.5	23095	Mid	LTE Band 12	10	22.55	0	Left	Tilt	QPSK	1	49	1:1	0.016	40.51	
707.5	23095	Mid	LTE Band 12	10	21.70	1	Left	Tilt	QPSK	25	12	1:1	0.013	40.56	
782.0	23230	Mid	LTE Band 13	10	23.13	0	Right	Cheek	QPSK	1	49	1:1	0.091	33.54	32.52
782.0	23230	Mid	LTE Band 13	10	22.28	1	Right	Cheek	QPSK	25	0	1:1	0.069	33.89	
782.0	23230	Mid	LTE Band 13	10	23.13	0	Right	Tilt	QPSK	1	49	1:1	0.059	35.42	
782.0	23230	Mid	LTE Band 13	10	22.28	1	Right	Tilt	QPSK	25	0	1:1	0.043	35.95	
782.0	23230	Mid	LTE Band 13	10	23.13	0	Left	Cheek	QPSK	1	49	1:1	0.115	32.52	
782.0	23230	Mid	LTE Band 13	10	22.28	1	Left	Cheek	QPSK	25	0	1:1	0.091	32.69	
782.0	23230	Mid	LTE Band 13	10	23.13	0	Left	Tilt	QPSK	1	49	1:1	0.052	35.97	
782.0	23230	Mid	LTE Band 13	10	22.28	1	Left	Tilt	QPSK	25	0	1:1	0.040	36.26	
836.5	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	Right	Cheek	QPSK	1	0	1:1	0.076	33.73	32.41
836.5	20525	Mid	LTE Band 5 (Cell)	10	21.61	1	Right	Cheek	QPSK	25	0	1:1	0.054	34.29	
836.5	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	Right	Tilt	QPSK	1	0	1:1	0.053	35.30	
836.5	20525	Mid	LTE Band 5 (Cell)	10	21.61	1	Right	Tilt	QPSK	25	0	1:1	0.038	35.81	
836.5	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	Left	Cheek	QPSK	1	0	1:1	0.103	32.41	
836.5	20525	Mid	LTE Band 5 (Cell)	10	21.61	1	Left	Cheek	QPSK	25	0	1:1	0.080	32.58	
836.5	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	Left	Tilt	QPSK	1	0	1:1	0.052	35.38	
836.5	20525	Mid	LTE Band 5 (Cell)	10	21.61	1	Left	Tilt	QPSK	25	0	1:1	0.044	35.18	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	22.46	0	Right	Cheek	QPSK	1	50	1:1	0.072	33.89	33.89
1732.5	20175	Mid	LTE Band 4 (AWS)	20	21.63	1	Right	Cheek	QPSK	50	50	1:1	0.057	34.07	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	22.46	0	Right	Tilt	QPSK	1	50	1:1	0.072	33.89	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	21.63	1	Right	Tilt	QPSK	50	50	1:1	0.052	34.47	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	22.46	0	Left	Cheek	QPSK	1	50	1:1	0.051	35.38	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	21.63	1	Left	Cheek	QPSK	50	50	1:1	0.035	36.19	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	22.46	0	Left	Tilt	QPSK	1	50	1:1	0.064	34.40	
1732.5	20175	Mid	LTE Band 4 (AWS)	20	21.63	1	Left	Tilt	QPSK	50	50	1:1	0.051	34.55	
2506.0	39750	Low	LTE Band 41	20	23.99	0	Right	Cheek	QPSK	1	99	1:1.58	0.061	34.15	34.15
2506.0	39750	Low	LTE Band 41	20	23.11	1	Right	Cheek	QPSK	50	0	1:1.58	0.042	34.89	
2506.0	39750	Low	LTE Band 41	20	23.99	0	Right	Tilt	QPSK	1	99	1:1.58	0.025	38.02	
2506.0	39750	Low	LTE Band 41	20	23.11	1	Right	Tilt	QPSK	50	0	1:1.58	0.020	38.11	
2506.0	39750	Low	LTE Band 41	20	23.99	0	Left	Cheek	QPSK	1	99	1:1.58	0.049	35.10	
2506.0	39750	Low	LTE Band 41	20	23.11	1	Left	Cheek	QPSK	50	0	1:1.58	0.032	36.07	
2506.0	39750	Low	LTE Band 41	20	23.99	0	Left	Tilt	QPSK	1	99	1:1.58	0.040	35.98	
2506.0	39750	Low	LTE Band 41	20	23.11	1	Left	Tilt	QPSK	50	0	1:1.58	0.028	36.65	

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




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Test Dates: 07/09/20 – 09/03/20	DUT Type: Portable Handset			APPENDIX A: Page 2 of 9

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

MEASUREMENT RESULTS										
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.							(W/kg)	[dBm]	[dBm]
836.60	190	GSM 850	GSM	31.40	15	Back	1:8.3	0.198	29.23	29.23
1909.80	810	GSM 1900	GSM	28.70	15	Back	1:8.3	0.184	26.85	26.85
836.60	4183	UMTS 850	RMC	23.54	15	Back	1:1	0.221	30.10	30.10

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

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

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.												(W/kg)	[dBm]	[dBm]
707.50	23095	Md	LTE Band 12	10	22.55	0	QPSK	1	49	15	Back	1:1	0.241	28.73	28.73
707.50	23095	Md	LTE Band 12	10	21.70	1	QPSK	25	12	15	Back	1:1	0.187	28.98	
782.00	23230	Md	LTE Band 13	10	23.13	0	QPSK	1	49	15	Back	1:1	0.215	29.81	29.40
782.00	23230	Md	LTE Band 13	10	22.28	1	QPSK	25	0	15	Back	1:1	0.194	29.40	
836.50	20525	Md	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	15	Back	1:1	0.292	27.89	27.75
836.50	20525	Md	LTE Band 5 (Cell)	10	21.61	1	QPSK	25	0	15	Back	1:1	0.243	27.75	
1732.50	20175	Md	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	15	Back	1:1	0.370	26.78	26.78
1732.50	20175	Md	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	15	Back	1:1	0.300	26.86	
2506.00	39750	Low	LTE Band 41	20	23.99	0	QPSK	1	99	15	Back	1:1.58	0.349	26.58	26.58
2506.00	39750	Low	LTE Band 41	20	23.11	1	QPSK	50	0	15	Back	1:1.58	0.277	26.70	

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




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Table A-5
DSI = 3 P_{Limit} Calculations – 2G/3G Hotspot SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	# of GPRS Slots	Duty Cycle	SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.								(W/kg)	[dBm]	[dBm]
824.20	128	GSM 850	GPRS	29.06	10	Back	3	1:2.76	0.675	26.34	26.34
836.60	190	GSM 850	GPRS	29.23	10	Back	3	1:2.76	0.605	26.98	
848.80	251	GSM 850	GPRS	29.05	10	Back	3	1:2.76	0.641	26.55	
836.60	190	GSM 850	GPRS	29.23	10	Front	3	1:2.76	0.453	28.24	
836.60	190	GSM 850	GPRS	29.23	10	Bottom	3	1:2.76	0.308	29.91	
836.60	190	GSM 850	GPRS	29.23	10	Right	3	1:2.76	0.056	37.32	
836.60	190	GSM 850	GPRS	29.23	10	Left	3	1:2.76	0.233	31.13	
1880.00	661	GSM 1900	GPRS	21.80	10	Back	4	1:2.076	0.246	24.71	19.16
1880.00	661	GSM 1900	GPRS	21.80	10	Front	4	1:2.076	0.237	24.87	
1850.20	512	GSM 1900	GPRS	21.48	10	Bottom	4	1:2.076	0.619	20.38	
1880.00	661	GSM 1900	GPRS	21.80	10	Bottom	4	1:2.076	0.760	19.81	
1909.80	810	GSM 1900	GPRS	21.26	10	Bottom	4	1:2.076	0.779	19.16	
1880.00	661	GSM 1900	GPRS	21.80	10	Right	4	1:2.076	0.047	31.90	
1880.00	661	GSM 1900	GPRS	21.80	10	Left	4	1:2.076	0.035	33.18	
826.40	4132	UMTS 850	RMC	23.62	10	Back	N/A	1:1	0.493	26.69	26.69
836.60	4183	UMTS 850	RMC	23.54	10	Back	N/A	1:1	0.478	26.75	
846.60	4233	UMTS 850	RMC	23.53	10	Back	N/A	1:1	0.476	26.75	
836.60	4183	UMTS 850	RMC	23.54	10	Front	N/A	1:1	0.338	28.25	
836.60	4183	UMTS 850	RMC	23.54	10	Bottom	N/A	1:1	0.148	31.84	
836.60	4183	UMTS 850	RMC	23.54	10	Right	N/A	1:1	0.045	37.01	
836.60	4183	UMTS 850	RMC	23.54	10	Left	N/A	1:1	0.184	30.89	

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




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Table A-6
DSI = 3 P_{Limit} Calculations – 4G Hotspot SAR

MEASUREMENT RESULTS														
FREQUENCY	Ch.	Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing [mm]	Side	Duty Cycle	SAR (lg) [W/kg]	PLimit [dBm]	Minimum PLimit [dBm]
707.50	23095	Mtd	LTE Band 12	10	22.55	0	QPSK	1	49	10	Back	1:1	0.323	27.46
707.50	23095	Mtd	LTE Band 12	10	21.70	1	QPSK	25	12	10	Back	1:1	0.253	27.67
707.50	23095	Mtd	LTE Band 12	10	22.55	0	QPSK	1	49	10	Front	1:1	0.274	28.17
707.50	23095	Mtd	LTE Band 12	10	21.70	1	QPSK	25	12	10	Front	1:1	0.215	28.38
707.50	23095	Mtd	LTE Band 12	10	22.55	0	QPSK	1	49	10	Bottom	1:1	0.213	29.27
707.50	23095	Mtd	LTE Band 12	10	21.70	1	QPSK	25	12	10	Bottom	1:1	0.166	29.50
707.50	23095	Mtd	LTE Band 12	10	22.55	0	QPSK	1	49	10	Right	1:1	0.095	32.77
707.50	23095	Mtd	LTE Band 12	10	21.70	1	QPSK	25	12	10	Right	1:1	0.077	32.84
707.50	23095	Mtd	LTE Band 12	10	22.55	0	QPSK	1	49	10	Left	1:1	0.249	28.59
707.50	23095	Mtd	LTE Band 12	10	21.70	1	QPSK	25	12	10	Left	1:1	0.196	28.78
782.00	23230	Mtd	LTE Band 13	10	23.13	0	QPSK	1	49	10	Back	1:1	0.371	27.44
782.00	23230	Mtd	LTE Band 13	10	22.28	1	QPSK	25	0	10	Back	1:1	0.315	27.30
782.00	23230	Mtd	LTE Band 13	10	23.13	0	QPSK	1	49	10	Front	1:1	0.269	28.83
782.00	23230	Mtd	LTE Band 13	10	22.28	1	QPSK	25	0	10	Front	1:1	0.231	28.64
782.00	23230	Mtd	LTE Band 13	10	23.13	0	QPSK	1	49	10	Bottom	1:1	0.211	29.89
782.00	23230	Mtd	LTE Band 13	10	22.28	1	QPSK	25	0	10	Bottom	1:1	0.182	29.68
782.00	23230	Mtd	LTE Band 13	10	23.13	0	QPSK	1	49	10	Right	1:1	0.068	34.80
782.00	23230	Mtd	LTE Band 13	10	22.28	1	QPSK	25	0	10	Right	1:1	0.065	34.15
782.00	23230	Mtd	LTE Band 13	10	23.13	0	QPSK	1	49	10	Left	1:1	0.187	30.41
782.00	23230	Mtd	LTE Band 13	10	22.28	1	QPSK	25	0	10	Left	1:1	0.162	30.18
836.50	20525	Mtd	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	10	Back	1:1	0.603	24.74
836.50	20525	Mtd	LTE Band 5 (Cell)	10	21.61	1	QPSK	25	0	10	Back	1:1	0.505	24.58
836.50	20525	Mtd	LTE Band 5 (Cell)	10	21.56	1	QPSK	50	0	10	Back	1:1	0.485	24.72
836.50	20525	Mtd	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	10	Front	1:1	0.479	25.74
836.50	20525	Mtd	LTE Band 5 (Cell)	10	21.61	1	QPSK	25	0	10	Front	1:1	0.394	25.66
836.50	20525	Mtd	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	10	Bottom	1:1	0.367	26.89
836.50	20525	Mtd	LTE Band 5 (Cell)	10	21.61	1	QPSK	25	0	10	Bottom	1:1	0.296	26.90
836.50	20525	Mtd	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	10	Right	1:1	0.072	33.97
836.50	20525	Mtd	LTE Band 5 (Cell)	10	21.61	1	QPSK	25	0	10	Right	1:1	0.036	33.98
836.50	20525	Mtd	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	10	Left	1:1	0.230	28.92
836.50	20525	Mtd	LTE Band 5 (Cell)	10	21.61	1	QPSK	25	0	10	Left	1:1	0.184	28.96
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	10	Back	1:1	0.282	24.00
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	10	Back	1:1	0.290	23.91
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	10	Front	1:1	0.257	24.40
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	10	Front	1:1	0.262	24.35
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	10	Bottom	1:1	0.566	20.96
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	10	Bottom	1:1	0.579	20.90
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	10	Right	1:1	0.049	31.60
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	10	Right	1:1	0.053	31.29
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	10	Left	1:1	0.038	32.70
1732.50	20175	Mtd	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	10	Left	1:1	0.039	32.62
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	10	Back	1:1.58	0.327	24.82
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	10	Back	1:1.58	0.278	25.59
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	10	Front	1:1.58	0.263	25.76
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	10	Front	1:1.58	0.243	26.18
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	10	Bottom	1:1.58	0.978	20.08
2549.50	40185	Low-Mid	LTE Band 41	20	21.83	0	QPSK	1	0	10	Bottom	1:1.58	0.885	20.37
2593.00	40620	Md	LTE Band 41	20	21.72	0	QPSK	1	50	10	Bottom	1:1.58	0.758	20.95
2636.50	41055	Md-High	LTE Band 41	20	21.76	0	QPSK	1	50	10	Bottom	1:1.58	0.938	20.05
2680.00	41490	High	LTE Band 41	20	21.75	0	QPSK	1	50	10	Bottom	1:1.58	0.686	21.34
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	10	Bottom	1:1.58	1.020	19.95
2549.50	40185	Low-Mid	LTE Band 41	20	21.91	0	QPSK	50	25	10	Bottom	1:1.58	0.882	20.47
2593.00	40620	Md	LTE Band 41	20	21.84	0	QPSK	50	25	10	Bottom	1:1.58	0.776	20.96
2636.50	41055	Md-High	LTE Band 41	20	21.91	0	QPSK	50	25	10	Bottom	1:1.58	0.624	21.97
2680.00	41490	High	LTE Band 41	20	21.90	0	QPSK	50	25	10	Bottom	1:1.58	0.726	21.30
2506.00	39750	Low	LTE Band 41	20	21.94	0	QPSK	100	0	10	Bottom	1:1.58	0.979	20.05
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	10	Right	1:1.58	0.097	30.10
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	10	Right	1:1.58	0.096	30.26

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




FCC ID: A3LSMN986JPN	 Proud to be part of 	PART 0 SAR CHAR REPORT	 Approved by: Quality Manager
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Table A-7
DSI = 0 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing	Side	# of GPRS Slots	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.								(W/kg)	[dBm]	[dBm]
836.60	190	GSM 850	GPRS	29.23	10	Back	3	1:2.76	0.339	33.48	32.30
836.60	190	GSM 850	GPRS	29.23	6	Front	3	1:2.76	0.445	32.30	
836.60	190	GSM 850	GPRS	29.23	13	Bottom	3	1:2.76	0.149	37.05	
836.60	190	GSM 850	GPRS	29.23	0	Right	3	1:2.76	0.197	35.83	
836.60	190	GSM 850	GPRS	29.23	0	Left	3	1:2.76	0.201	35.75	
1909.80	810	GSM 1900	GPRS	28.65	10	Back	2	1:4.15	0.493	29.51	28.06
1909.80	810	GSM 1900	GPRS	28.65	6	Front	2	1:4.15	0.660	28.24	
1909.80	810	GSM 1900	GPRS	28.65	13	Bottom	2	1:4.15	0.689	28.06	
1909.80	810	GSM 1900	GPRS	28.65	0	Right	2	1:4.15	0.322	31.36	
1909.80	810	GSM 1900	GPRS	28.65	0	Left	2	1:4.15	0.226	32.90	
826.40	4132	UMTS 850	RMC	23.62	10	Back	N/A	1:1	0.296	32.89	31.98
826.40	4132	UMTS 850	RMC	23.62	6	Front	N/A	1:1	0.365	31.98	
826.40	4132	UMTS 850	RMC	23.62	13	Bottom	N/A	1:1	0.072	39.03	
826.40	4132	UMTS 850	RMC	23.62	0	Right	N/A	1:1	0.183	34.97	
826.40	4132	UMTS 850	RMC	23.62	0	Left	N/A	1:1	0.187	34.88	

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




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Table A-8
DSI = 1 P_{Limit} Calculations – 2G/3G Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode/Band	Service	Conducted Power [dBm]	Spacing (mm)	Side	# of GPRS Slots	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.								(W/kg)	[dBm]	[dBm]
836.60	190	GSM 850	GPRS	29.23	0	Back	3	1:2.76	0.619	30.86	30.41
836.60	190	GSM 850	GPRS	29.23	0	Front	3	1:2.76	0.687	30.41	
836.60	190	GSM 850	GPRS	29.23	0	Bottom	3	1:2.76	0.364	33.17	
836.60	190	GSM 850	GPRS	29.23	0	Right	3	1:2.76	0.197	35.83	
836.60	190	GSM 850	GPRS	29.23	0	Left	3	1:2.76	0.201	35.75	
1880.00	661	GSM 1900	GPRS	21.80	0	Back	4	1:2.076	1.290	21.49	20.48
1880.00	661	GSM 1900	GPRS	21.80	0	Front	4	1:2.076	1.190	21.84	
1850.20	512	GSM 1900	GPRS	21.48	0	Bottom	4	1:2.076	1.420	20.76	
1880.00	661	GSM 1900	GPRS	21.80	0	Bottom	4	1:2.076	1.440	21.02	
1909.80	810	GSM 1900	GPRS	21.26	0	Bottom	4	1:2.076	1.440	20.48	
1909.80	810	GSM 1900	GPRS	28.65	0	Right	2	1:4.15	0.322	31.36	
1909.80	810	GSM 1900	GPRS	28.65	0	Left	2	1:4.15	0.226	32.90	
826.40	4132	UMTS 850	RMC	23.62	0	Back	N/A	1:1	0.550	30.20	29.64
826.40	4132	UMTS 850	RMC	23.62	0	Front	N/A	1:1	0.625	29.64	
826.40	4132	UMTS 850	RMC	23.62	0	Bottom	N/A	1:1	0.332	32.39	
826.40	4132	UMTS 850	RMC	23.62	0	Right	N/A	1:1	0.183	34.97	
826.40	4132	UMTS 850	RMC	23.62	0	Left	N/A	1:1	0.187	34.88	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
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Table A-9
DSI = 0 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing (mm)	Side	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
MHz	Ch.												(W/kg)	[dBm]	[dBm]
707.50	23095	Md	LTE Band 12	10	22.55	0	QPSK	1	0	10	Back	1:1	0.141	35.04	34.00
707.50	23095	Md	LTE Band 12	10	22.55	0	QPSK	1	0	6	Front	1:1	0.179	34.00	
707.50	23095	Md	LTE Band 12	10	22.55	0	QPSK	1	0	13	Bottom	1:1	0.038	40.73	
707.50	23095	Md	LTE Band 12	10	22.55	0	QPSK	1	0	0	Right	1:1	0.121	35.70	
707.50	23095	Md	LTE Band 12	10	22.55	0	QPSK	1	0	0	Left	1:1	0.089	37.04	
782.00	23230	Md	LTE Band 13	10	23.13	0	QPSK	1	0	10	Back	1:1	0.164	34.96	34.14
782.00	23230	Md	LTE Band 13	10	23.13	0	QPSK	1	0	6	Front	1:1	0.198	34.14	
782.00	23230	Md	LTE Band 13	10	23.13	0	QPSK	1	0	13	Bottom	1:1	0.036	41.55	
782.00	23230	Md	LTE Band 13	10	23.13	0	QPSK	1	0	0	Right	1:1	0.070	38.66	
782.00	23230	Md	LTE Band 13	10	23.13	0	QPSK	1	0	0	Left	1:1	0.081	38.02	
836.50	20525	Md	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	10	Back	1:1	0.234	32.83	31.84
836.50	20525	Md	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	6	Front	1:1	0.294	31.84	
836.50	20525	Md	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	13	Bottom	1:1	0.164	34.37	
836.50	20525	Md	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Right	1:1	0.142	35.00	
836.50	20525	Md	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Left	1:1	0.142	35.00	
1732.50	20175	Md	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	10	Back	1:1	0.398	30.44	28.64
1732.50	20175	Md	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	10	Back	1:1	0.321	30.54	
1732.50	20175	Md	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	6	Front	1:1	0.602	28.64	
1732.50	20175	Md	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	6	Front	1:1	0.486	28.74	
1732.50	20175	Md	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	13	Bottom	1:1	0.509	29.37	
1732.50	20175	Md	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	13	Bottom	1:1	0.415	29.43	
1732.50	20175	Md	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	0	Right	1:1	0.268	32.16	
1732.50	20175	Md	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	0	Right	1:1	0.218	32.22	
1732.50	20175	Md	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	0	Left	1:1	0.172	34.08	
1732.50	20175	Md	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	0	Left	1:1	0.145	34.00	
2506.00	39750	Low	LTE Band 41	20	23.99	0	QPSK	1	99	10	Back	1:1.58	0.301	31.20	28.12
2506.00	39750	Low	LTE Band 41	20	23.11	1	QPSK	50	0	10	Back	1:1.58	0.249	31.14	
2506.00	39750	Low	LTE Band 41	20	23.99	0	QPSK	1	99	6	Front	1:1.58	0.446	29.49	
2506.00	39750	Low	LTE Band 41	20	23.11	1	QPSK	50	0	6	Front	1:1.58	0.377	29.34	
2506.00	39750	Low	LTE Band 41	20	23.99	0	QPSK	1	99	13	Bottom	1:1.58	0.452	29.43	
2506.00	39750	Low	LTE Band 41	20	23.11	1	QPSK	50	0	13	Bottom	1:1.58	0.375	29.36	
2506.00	39750	Low	LTE Band 41	20	23.99	0	QPSK	1	99	0	Right	1:1.58	0.567	28.45	
2506.00	39750	Low	LTE Band 41	20	23.11	1	QPSK	50	0	0	Right	1:1.58	0.499	28.12	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
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Table A-10
DSI = 1 P_{Limit} Calculations – 4G Phablet SAR

MEASUREMENT RESULTS														
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	MPR [dB]	Modulation	RB Size	RB Offset	Spacing [mm]	Side	Duty Cycle	SAR (10g)	PLimit	Minimum PLimit
Mhz	Ch.											(W/kg)	[dBm]	[dBm]
707.50	23095	Mid	LTE Band 12	10	22.55	0	QPSK	1	0	0	Back	1:1	0.822	27.38
707.50	23095	Mid	LTE Band 12	10	22.55	0	QPSK	1	0	0	Front	1:1	0.947	26.77
707.50	23095	Mid	LTE Band 12	10	22.55	0	QPSK	1	0	0	Bottom	1:1	0.480	29.72
707.50	23095	Mid	LTE Band 12	10	22.55	0	QPSK	1	0	0	Right	1:1	0.121	35.70
707.50	23095	Mid	LTE Band 12	10	22.55	0	QPSK	1	0	0	Left	1:1	0.089	37.04
782.00	23230	Mid	LTE Band 13	10	23.13	0	QPSK	1	0	0	Back	1:1	0.447	30.61
782.00	23230	Mid	LTE Band 13	10	23.13	0	QPSK	1	0	0	Front	1:1	0.457	30.51
782.00	23230	Mid	LTE Band 13	10	23.13	0	QPSK	1	0	0	Bottom	1:1	0.245	33.22
782.00	23230	Mid	LTE Band 13	10	23.13	0	QPSK	1	0	0	Right	1:1	0.070	38.66
782.00	23230	Mid	LTE Band 13	10	23.13	0	QPSK	1	0	0	Left	1:1	0.081	38.02
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Back	1:1	0.390	30.61
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Front	1:1	0.442	30.07
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Bottom	1:1	0.234	32.83
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Right	1:1	0.142	35.00
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.54	0	QPSK	1	0	0	Left	1:1	0.142	35.00
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	0	Back	1:1	1.040	22.31
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	0	Back	1:1	1.090	22.14
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	0	Front	1:1	0.812	23.38
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	0	Front	1:1	0.846	23.24
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.50	0	QPSK	1	50	0	Bottom	1:1	1.410	20.99
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.53	0	QPSK	50	50	0	Bottom	1:1	1.500	20.75
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	0	Right	1:1	0.288	32.16
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	0	Right	1:1	0.218	32.22
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.46	0	QPSK	1	50	0	Left	1:1	0.172	34.08
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.63	1	QPSK	50	50	0	Left	1:1	0.145	34.00
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	0	Back	1:1.58	1.280	22.87
2549.50	40185	Low-Mid	LTE Band 41	20	21.83	0	QPSK	1	0	0	Back	1:1.58	1.220	22.96
2593.00	40620	Mid	LTE Band 41	20	21.73	0	QPSK	1	50	0	Back	1:1.58	1.260	22.72
2636.50	41055	Mid-High	LTE Band 41	20	21.76	0	QPSK	1	50	0	Back	1:1.58	1.490	22.02
2680.00	41490	High	LTE Band 41	20	21.75	0	QPSK	1	50	0	Back	1:1.58	1.410	22.25
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	0	Back	1:1.58	1.420	22.49
2549.50	40185	Low-Mid	LTE Band 41	20	21.91	0	QPSK	50	25	0	Back	1:1.58	1.230	23.00
2593.00	40620	Mid	LTE Band 41	20	21.84	0	QPSK	50	25	0	Back	1:1.58	1.310	22.66
2636.50	41055	Mid-High	LTE Band 41	20	21.91	0	QPSK	50	25	0	Back	1:1.58	1.540	22.03
2680.00	41490	High	LTE Band 41	20	21.90	0	QPSK	50	25	0	Back	1:1.58	1.450	22.28
2506.00	39750	Low	LTE Band 41	20	21.94	0	QPSK	100	0	0	Back	1:1.58	1.160	23.29
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	0	Front	1:1.58	1.020	23.86
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	0	Front	1:1.58	1.030	23.89
2506.00	39750	Low	LTE Band 41	20	21.95	0	QPSK	1	99	0	Bottom	1:1.58	1.740	21.54
2549.50	40185	Low-Mid	LTE Band 41	20	21.83	0	QPSK	1	0	0	Bottom	1:1.58	1.660	21.62
2593.00	40620	Mid	LTE Band 41	20	21.73	0	QPSK	1	50	0	Bottom	1:1.58	1.740	21.32
2636.50	41055	Mid-High	LTE Band 41	20	21.76	0	QPSK	1	50	0	Bottom	1:1.58	1.860	21.06
2680.00	41490	High	LTE Band 41	20	21.75	0	QPSK	1	50	0	Bottom	1:1.58	1.780	21.24
2506.00	39750	Low	LTE Band 41	20	22.02	0	QPSK	50	0	0	Bottom	1:1.58	1.800	21.46
2549.50	40185	Low-Mid	LTE Band 41	20	21.91	0	QPSK	50	25	0	Bottom	1:1.58	1.700	21.60
2593.00	40620	Mid	LTE Band 41	20	21.84	0	QPSK	50	25	0	Bottom	1:1.58	1.810	21.26
2636.50	41055	Mid-High	LTE Band 41	20	21.91	0	QPSK	50	25	0	Bottom	1:1.58	1.900	21.12
2680.00	41490	High	LTE Band 41	20	21.90	0	QPSK	50	25	0	Bottom	1:1.58	1.830	21.27
2506.00	39750	Low	LTE Band 41	20	21.94	0	QPSK	100	0	0	Bottom	1:1.58	1.730	21.55
2506.00	39750	Low	LTE Band 41	20	23.99	0	QPSK	1	99	0	Right	1:1.58	0.567	28.45
2506.00	39750	Low	LTE Band 41	20	23.11	1	QPSK	50	0	0	Right	1:1.58	0.499	28.12

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