

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

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
For 2.4 GHz WLAN and 6 GHz WLAN, please refer to the Part 0 and Part 1 Phablet test data in Appendix K.

Table A-1
RSI = 0 P_{Limit} Calculations – GPRS Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	GPRS 850	GPRS 4 Tx Slots	A	1816M	1:2.076	-0.01	848.80	251	23.93	Back	0	0.411	28.5	28.5
Phablet	GPRS 850	GPRS 4 Tx Slots	A	1816M	1:2.076	0.09	848.80	251	23.93	Front	0	0.310	29.8	
Phablet	GPRS 850	GPRS 4 Tx Slots	A	1816M	1:2.076	-0.04	848.80	251	23.93	Bottom	0	0.140	33.2	
Phablet	GPRS 850	GPRS 4 Tx Slots	A	1816M	1:2.076	0.07	848.80	251	23.93	Right	0	0.070	36.2	
Phablet	GPRS 850	GPRS 4 Tx Slots	A	1816M	1:2.076	-0.01	848.80	251	23.93	Left	0	0.182	32.1	
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	GPRS 850	GPRS 3 Tx Slots	E	1816M	1:2.76	-0.03	848.80	251	23.24	Back	0	0.260	28.6	27.6
Phablet	GPRS 850	GPRS 3 Tx Slots	E	1816M	1:2.76	0.04	848.80	251	23.24	Front	0	0.293	28.1	
Phablet	GPRS 850	GPRS 3 Tx Slots	E	1816M	1:2.76	-0.06	848.80	251	23.24	Top	0	0.328	27.6	
Phablet	GPRS 850	GPRS 3 Tx Slots	E	1816M	1:2.76	-0.03	848.80	251	23.24	Right	0	0.204	29.6	
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	GPRS 1900	GPRS 1 Tx Slots	A	1853M	1:4.15	0.04	1850.20	512	26.38	Back	0	0.712	22.6	22.6
Phablet	GPRS 1900	GPRS 1 Tx Slots	A	1853M	1:4.15	0.02	1850.20	512	26.38	Front	0	0.706	22.6	
Phablet	GPRS 1900	GPRS 1 Tx Slots	A	1853M	1:4.15	-0.04	1850.20	512	26.38	Bottom	0	0.398	25.1	
Phablet	GPRS 1900	GPRS 1 Tx Slots	A	1853M	1:4.15	0.04	1850.20	512	26.38	Right	0	0.107	30.8	
Phablet	GPRS 1900	GPRS 1 Tx Slots	A	1853M	1:4.15	0.03	1850.20	512	26.38	Left	0	0.050	34.1	

Table A-2
RSI = 0 P_{Limit} Calculations – UMTS Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	UMTS 850	RMC	A	1816M	1:1	-0.02	826.40	4132	21.75	Back	0	0.632	27.7	27.7
Phablet	UMTS 850	RMC	A	1816M	1:1	-0.01	826.40	4132	21.75	Front	0	0.529	28.4	
Phablet	UMTS 850	RMC	A	1816M	1:1	0.06	826.40	4132	21.75	Bottom	0	0.333	30.5	
Phablet	UMTS 850	RMC	A	1816M	1:1	-0.04	826.40	4132	21.75	Right	0	0.125	34.7	
Phablet	UMTS 850	RMC	A	1816M	1:1	0.04	826.40	4132	21.75	Left	0	0.289	31.1	
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	UMTS 850	RMC	E	1816M	1:1	0.01	826.40	4132	20.19	Back	0	0.390	28.2	26.4
Phablet	UMTS 850	RMC	E	1816M	1:1	0.01	826.40	4132	20.19	Front	0	0.444	27.6	
Phablet	UMTS 850	RMC	E	1816M	1:1	0.02	826.40	4132	20.19	Top	0	0.590	26.4	
Phablet	UMTS 850	RMC	E	1816M	1:1	-0.04	826.40	4132	20.19	Right	0	0.274	29.7	

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Table A-3
RSI = 0 P_{Limit} Calculations – LTE Band 12 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 12	10	QPSK	A	0105M	1:1	0.00	707.50	23095	0.0	22.06	1	49	Back	0	0.549	28.6	28.6
Phablet	LTE Band 12	10	QPSK	A	0105M	1:1	0.06	707.50	23095	0.0	22.06	1	49	Front	0	0.432	29.6	
Phablet	LTE Band 12	10	QPSK	A	0105M	1:1	-0.02	707.50	23095	0.0	22.06	1	49	Bottom	0	0.278	31.5	
Phablet	LTE Band 12	10	QPSK	A	0105M	1:1	-0.08	707.50	23095	0.0	22.06	1	49	Right	0	0.128	34.9	
Phablet	LTE Band 12	10	QPSK	A	0105M	1:1	0.03	707.50	23095	0.0	22.06	1	49	Left	0	0.159	34.0	
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 12	10	QPSK	E	0105M	1:1	-0.02	707.50	23095	0.0	19.44	1	49	Back	0	0.239	29.6	26.3
Phablet	LTE Band 12	10	QPSK	E	0105M	1:1	-0.09	707.50	23095	0.0	19.44	1	49	Front	0	0.491	26.5	
Phablet	LTE Band 12	10	QPSK	E	0105M	1:1	0.08	707.50	23095	0.0	19.44	1	49	Top	0	0.512	26.3	
Phablet	LTE Band 12	10	QPSK	E	0105M	1:1	-0.01	707.50	23095	0.0	19.44	1	49	Bottom	0	0.190	30.6	

Table A-4
RSI = 0 P_{Limit} Calculations – LTE Band 5 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 5	10	QPSK	A	0105M	1:1	-0.12	836.50	20525	0.0	21.63	25	0	Back	0	0.791	26.6	26.6
Phablet	LTE Band 5	10	QPSK	A	0105M	1:1	0.01	836.50	20525	0.0	21.63	25	0	Front	0	0.641	27.5	
Phablet	LTE Band 5	10	QPSK	A	0105M	1:1	-0.12	836.50	20525	0.0	21.63	25	0	Bottom	0	0.442	29.1	
Phablet	LTE Band 5	10	QPSK	A	0105M	1:1	-0.06	836.50	20525	0.0	21.63	25	0	Right	0	0.109	35.2	
Phablet	LTE Band 5	10	QPSK	A	0105M	1:1	-0.08	836.50	20525	0.0	21.63	25	0	Left	0	0.377	29.8	
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 5	10	QPSK	E	0105M	1:1	-0.02	836.50	20525	0.0	19.12	25	0	Back	0	0.313	28.1	26.6
Phablet	LTE Band 5	10	QPSK	E	0105M	1:1	-0.07	836.50	20525	0.0	19.12	25	0	Front	0	0.436	26.7	
Phablet	LTE Band 5	10	QPSK	E	0105M	1:1	0.04	836.50	20525	0.0	19.12	25	0	Top	0	0.445	26.6	
Phablet	LTE Band 5	10	QPSK	E	0105M	1:1	0.06	836.50	20525	0.0	19.12	25	0	Right	0	0.243	29.2	

Table A-5
RSI = 0 P_{Limit} Calculations – LTE Band 66 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 66	20	QPSK	A	1907M	1:1	0.01	1720.00	132072	0.0	17.71	1	0	Back	0	0.635	23.6	23.6
Phablet	LTE Band 66	20	QPSK	A	1907M	1:1	0.01	1720.00	132072	0.0	17.71	1	0	Front	0	0.537	24.4	
Phablet	LTE Band 66	20	QPSK	A	1907M	1:1	0.01	1720.00	132072	0.0	17.71	1	0	Bottom	0	0.605	23.8	
Phablet	LTE Band 66	20	QPSK	A	1907M	1:1	-0.02	1720.00	132072	0.0	17.71	1	0	Right	0	0.054	34.3	
Phablet	LTE Band 66	20	QPSK	A	1907M	1:1	0.05	1720.00	132072	0.0	17.71	1	0	Left	0	0.073	33.0	
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 66	20	QPSK	F	1907M	1:1	0.01	1745.00	132322	0.0	17.64	1	99	Back	0	0.336	26.3	21.7
Phablet	LTE Band 66	20	QPSK	F	1907M	1:1	-0.01	1745.00	132322	0.0	17.64	1	99	Front	0	0.520	24.4	
Phablet	LTE Band 66	20	QPSK	F	1907M	1:1	0.02	1745.00	132322	0.0	17.64	1	99	Top	0	0.966	21.7	
Phablet	LTE Band 66	20	QPSK	F	1907M	1:1	-0.04	1745.00	132322	0.0	17.64	1	99	Left	0	0.340	26.3	

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Table A-6
RSI = 0 P_{Limit} Calculations – LTE Band 2 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 2	20	QPSK	A	1907M	1:1	0.00	1880.00	18900	0.0	17.17	1	99	Back	0	0.750	22.3	22.3
Phablet	LTE Band 2	20	QPSK	A	1907M	1:1	-0.02	1880.00	18900	0.0	17.17	1	99	Front	0	0.714	22.6	
Phablet	LTE Band 2	20	QPSK	A	1907M	1:1	0.01	1880.00	18900	0.0	17.17	1	99	Bottom	0	0.672	22.8	
Phablet	LTE Band 2	20	QPSK	A	1907M	1:1	-0.02	1880.00	18900	0.0	17.17	1	99	Right	0	0.090	31.6	
Phablet	LTE Band 2	20	QPSK	A	1907M	1:1	-0.04	1880.00	18900	0.0	17.17	1	99	Left	0	0.022	37.7	
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 2	20	QPSK	F	1907M	1:1	-0.01	1880.00	18900	0.0	17.63	1	99	Back	0	0.292	26.9	21.8
Phablet	LTE Band 2	20	QPSK	F	1907M	1:1	0.04	1880.00	18900	0.0	17.63	1	99	Front	0	0.572	24.0	
Phablet	LTE Band 2	20	QPSK	F	1907M	1:1	0.00	1880.00	18900	0.0	17.63	1	99	Top	0	0.940	21.8	
Phablet	LTE Band 2	20	QPSK	F	1907M	1:1	0.08	1880.00	18900	0.0	17.63	1	99	Left	0	0.371	25.9	

Table A-7
RSI = 0 P_{Limit} Calculations – LTE Band 41 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 41	20	QPSK	B	1826M	1:1.58	-0.03	2506.00	39750	0.0	18.91	1	0	Back	0	1.020	20.8	20.8
Phablet	LTE Band 41	20	QPSK	B	1826M	1:1.58	-0.02	2506.00	39750	0.0	18.91	1	0	Front	0	0.554	23.4	
Phablet	LTE Band 41	20	QPSK	B	1826M	1:1.58	0.03	2506.00	39750	0.0	18.91	1	0	Bottom	0	0.951	21.1	
Phablet	LTE Band 41	20	QPSK	B	1826M	1:1.58	-0.05	2506.00	39750	0.0	18.91	1	0	Left	0	0.373	25.1	
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	LTE Band 41	20	QPSK	F	1826M	1:1.58	-0.02	2506.00	39750	0.0	16.89	50	0	Back	0	0.523	21.7	21.2
Phablet	LTE Band 41	20	QPSK	F	1826M	1:1.58	0.03	2506.00	39750	0.0	16.89	50	0	Front	0	0.416	22.6	
Phablet	LTE Band 41	20	QPSK	F	1826M	1:1.58	0.02	2506.00	39750	0.0	16.89	50	0	Top	0	0.579	21.2	
Phablet	LTE Band 41	20	QPSK	F	1826M	1:1.58	0.11	2506.00	39750	0.0	16.89	50	0	Left	0	0.060	31.1	

Table A-8
RSI = 0 P_{Limit} Calculations – NR Band n5 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	NR Band n5	20	QPSK	A	0105M	1:1	-0.05	836.50	167300	DFT-s-OFDM	0.0	21.63	1	104	Back	0	0.087	36.2	33.7
Phablet	NR Band n5	20	QPSK	A	0105M	1:1	-0.17	836.50	167300	DFT-s-OFDM	0.0	21.63	1	104	Front	0	0.155	33.7	
Phablet	NR Band n5	20	QPSK	A	0105M	1:1	-0.14	836.50	167300	DFT-s-OFDM	0.0	21.63	1	104	Bottom	0	0.081	36.5	
Phablet	NR Band n5	20	QPSK	A	0105M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	21.63	1	104	Right	0	0.013	44.4	
Phablet	NR Band n5	20	QPSK	A	0105M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	21.63	1	104	Left	0	0.114	35.0	
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	NR Band n5	20	QPSK	E	0105M	1:1	-0.17	836.50	167300	DFT-s-OFDM	0.0	19.03	1	1	Back	0	0.059	35.3	33.5
Phablet	NR Band n5	20	QPSK	E	0105M	1:1	-0.15	836.50	167300	DFT-s-OFDM	0.0	19.03	1	1	Front	0	0.059	35.3	
Phablet	NR Band n5	20	QPSK	E	0105M	1:1	-0.09	836.50	167300	DFT-s-OFDM	0.0	19.03	1	1	Top	0	0.089	33.5	
Phablet	NR Band n5	20	QPSK	E	0105M	1:1	-0.09	836.50	167300	DFT-s-OFDM	0.0	19.03	1	1	Right	0	0.029	38.3	

Table A-9
RSI = 0 P_{Limit} Calculations – NR Band n41 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	NR Band n41	100	QPSK	B	1826M	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	17.53	135	0	Back	0	1.440	19.9	19.9
Phablet	NR Band n41	100	QPSK	B	1826M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	17.53	135	0	Front	0	0.719	22.9	
Phablet	NR Band n41	100	QPSK	B	1826M	1:1	-0.04	2592.99	518598	DFT-s-OFDM	0.0	17.53	135	0	Bottom	0	1.290	20.4	
Phablet	NR Band n41	100	QPSK	B	1826M	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	17.53	135	0	Left	0	0.467	24.8	

Table A-10
RSI = 0 P_{Limit} Calculations – Bluetooth Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]
Phablet	2.4 GHz Bluetooth	FHSS	H	1912M	76.65	-0.02	2441.00	39	1	16.82	Back	0	0.190	26.8	20.7
Phablet	2.4 GHz Bluetooth	FHSS	H	1912M	76.65	0.05	2441.00	39	1	16.82	Front	0	0.324	24.5	
Phablet	2.4 GHz Bluetooth	FHSS	H	1912M	76.65	0.00	2441.00	39	1	16.82	Top	0	0.191	26.8	
Phablet	2.4 GHz Bluetooth	FHSS	H	1912M	76.65	0.05	2441.00	39	1	16.82	Left	0	0.781	20.7	

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