

APPENDIX K: PART 0 SAR TEST RESULTS FOR P_{Limit} CALCULATIONS

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

Table K-1
ECI = 4 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	23205	1:2.076	0.06	848.80	251	27.64	Back	0	0.862	27.2	26.6
Phablet	GPRS 850	GPRS 4 Tx Slots	A	23205	1:2.076	-0.02	848.80	251	27.64	Front	0	0.448	30.1	
Phablet	GPRS 850	GPRS 4 Tx Slots	A	23205	1:2.076	-0.05	848.80	251	27.64	Bottom	0	0.991	26.6	
Phablet	GPRS 850	GPRS 4 Tx Slots	A	23205	1:2.076	-0.01	848.80	251	27.64	Right	0	0.472	29.8	
Phablet	GPRS 850	GPRS 4 Tx Slots	A	23205	1:2.076	-0.05	848.80	251	27.64	Left	0	0.109	36.2	
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 4 Tx Slots	B	23668	1:2.076	0.00	1850.20	512	25.50	Back	0	1.820	21.8	21.8
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	23668	1:2.076	0.03	1850.20	512	25.50	Front	0	0.989	24.4	
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	23668	1:2.076	-0.03	1850.20	512	25.50	Bottom	0	1.120	23.9	
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	23668	1:2.076	-0.01	1850.20	512	25.50	Left	0	0.769	25.5	

Table K-2
ECI = 4 P_{Limit} Calculations – UMTS Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	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	1:1	0.08	836.60	4183	23.81	Back	0	0.960	26.1	26.0	
Phablet	UMTS 850	RMC	A	1:1	0.03	836.60	4183	23.81	Front	0	0.451	29.4		
Phablet	UMTS 850	RMC	A	1:1	-0.04	836.60	4183	23.81	Bottom	0	0.971	26.0		
Phablet	UMTS 850	RMC	A	1:1	0.00	836.60	4183	23.81	Right	0	0.541	28.6		
Phablet	UMTS 850	RMC	A	1:1	-0.06	836.60	4183	23.81	Left	0	0.094	36.2		
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 1750	RMC	B	23007	1:1	-0.02	1712.40	1312	19.92	Back	0	1.010	22.0	22.0
Phablet	UMTS 1750	RMC	B	23007	1:1	0.00	1712.40	1312	19.92	Front	0	0.341	26.7	
Phablet	UMTS 1750	RMC	B	23007	1:1	0.01	1712.40	1312	19.92	Bottom	0	0.767	23.2	
Phablet	UMTS 1750	RMC	B	23007	1:1	0.01	1712.40	1312	19.92	Left	0	0.472	25.3	
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Plimit [dBm]	Overall Plimit [dBm]	
Phablet	UMTS 1900	RMC	B	0415M	1:1	-0.01	1907.60	9538	20.19	Back	0	20.5	20.5	
Phablet	UMTS 1900	RMC	B	0415M	1:1	0.00	1907.60	9538	20.19	Front	0	24.1		
Phablet	UMTS 1900	RMC	B	0415M	1:1	0.04	1907.60	9538	20.19	Bottom	0	23.6		
Phablet	UMTS 1900	RMC	B	0415M	1:1	0.00	1907.60	9538	20.19	Left	0	24.4		

Table K-3
ECI = 4 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	23049	1:1	-0.01	707.50	23095	0.0	23.86	1	49	Back	0	0.744	27.3	27.3
Phablet	LTE Band 12	10	QPSK	A	23049	1:1	-0.04	707.50	23095	0.0	23.86	1	49	Front	0	0.225	32.4	
Phablet	LTE Band 12	10	QPSK	A	23049	1:1	-0.01	707.50	23095	0.0	23.86	1	49	Bottom	0	0.539	28.7	
Phablet	LTE Band 12	10	QPSK	A	23049	1:1	-0.01	707.50	23095	0.0	23.86	1	49	Right	0	0.313	31.0	
Phablet	LTE Band 12	10	QPSK	A	23049	1:1	0.00	707.50	23095	0.0	23.86	1	49	Left	0	0.079	37.0	

FCC ID: A3LSMA156M	SAR CHARACTERIZATION	Approved by: Technical Manager
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Table K-4
ECI = 4 P_{Limit} Calculations – LTE Band 13 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 13	10	QPSK	A	23049	1:1	-0.01	782.00	23230	0.0	24.34	1	0	Back	0	0.911	26.9	26.9
Phablet	LTE Band 13	10	QPSK	A	23049	1:1	-0.01	782.00	23230	0.0	24.34	1	0	Front	0	0.278	32.0	
Phablet	LTE Band 13	10	QPSK	A	23049	1:1	-0.04	782.00	23230	0.0	24.34	1	0	Bottom	0	0.666	28.2	
Phablet	LTE Band 13	10	QPSK	A	23049	1:1	-0.03	782.00	23230	0.0	24.34	1	0	Right	0	0.335	31.2	
Phablet	LTE Band 13	10	QPSK	A	23049	1:1	-0.02	782.00	23230	0.0	24.34	1	0	Left	0	0.084	37.2	

Table K-5
ECI = 4 P_{Limit} Calculations – LTE Band 26 Phablet SAR

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]
LTE Band 26	15	QPSK	A	23049	1:1	0.02	831.50	26865	0.0	23.94	1	36	Back	0	1.070	25.8	25.8
LTE Band 26	15	QPSK	A	23049	1:1	-0.02	831.50	26865	0.0	23.94	1	36	Front	0	0.438	29.6	
LTE Band 26	15	QPSK	A	23049	1:1	-0.01	831.50	26865	0.0	23.94	1	36	Bottom	0	1.030	25.9	
LTE Band 26	15	QPSK	A	23049	1:1	-0.04	831.50	26865	0.0	23.94	1	36	Right	0	0.589	28.3	
LTE Band 26	15	QPSK	A	23049	1:1	-0.02	831.50	26865	0.0	23.94	1	36	Left	0	0.093	36.4	

Table K-6
ECI = 4 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	B	23742	1:1	0.02	1720.00	132072	0.0	17.90	1	99	Back	0	0.838	20.8	20.8
Phablet	LTE Band 66	20	QPSK	B	23742	1:1	-0.04	1720.00	132072	0.0	17.90	1	99	Front	0	0.483	23.2	
Phablet	LTE Band 66	20	QPSK	B	23742	1:1	0.00	1720.00	132072	0.0	17.90	1	99	Bottom	0	0.547	22.6	
Phablet	LTE Band 66	20	QPSK	B	23742	1:1	-0.01	1720.00	132072	0.0	17.90	1	99	Left	0	0.368	24.4	

Table K-7
ECI = 4 P_{Limit} Calculations – LTE Band 4 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 4	20	QPSK	C	23684	1:1	0.00	1732.50	20175	0.0	20.32	1	0	Back	0	0.476	25.7	25.7
Phablet	LTE Band 4	20	QPSK	C	23684	1:1	-0.04	1732.50	20175	0.0	20.32	1	0	Front	0	0.032	37.4	
Phablet	LTE Band 4	20	QPSK	C	23684	1:1	0.09	1732.50	20175	0.0	20.32	1	0	Top	0	0.004	46.4	
Phablet	LTE Band 4	20	QPSK	C	23684	1:1	0.06	1732.50	20175	0.0	20.32	1	0	Left	0	0.154	30.6	

Table K-8
ECI = 4 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	B	23049	1:1	0.00	1860.00	18700	0.0	17.22	1	0	Back	0	0.770	20.5	20.5
Phablet	LTE Band 2	20	QPSK	B	23049	1:1	-0.01	1860.00	18700	0.0	17.22	1	0	Front	0	0.445	22.8	
Phablet	LTE Band 2	20	QPSK	B	23049	1:1	-0.05	1860.00	18700	0.0	17.22	1	0	Bottom	0	0.496	22.4	
Phablet	LTE Band 2	20	QPSK	B	23049	1:1	0.02	1860.00	18700	0.0	17.22	1	0	Left	0	0.358	23.8	
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 2	20	QPSK	C	23007	1:1	-0.02	1860.00	18700	0.0	21.06	1	50	Back	0	0.440	26.7	26.7
Phablet	LTE Band 2	20	QPSK	C	23007	1:1	0.02	1860.00	18700	0.0	21.06	1	50	Front	0	0.061	35.3	
Phablet	LTE Band 2	20	QPSK	C	23007	1:1	0.01	1860.00	18700	0.0	21.06	1	50	Top	0	0.012	42.4	
Phablet	LTE Band 2	20	QPSK	C	23007	1:1	0.03	1860.00	18700	0.0	21.06	1	50	Left	0	0.292	28.5	

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Table K-9
ECI = 4 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	22322	1:1.58	0.00	2506.00	39750	0.0	21.87	50	0	Back	0	1.520	20.2	20.2
Phablet	LTE Band 41	20	QPSK	B	22322	1:1.58	0.01	2506.00	39750	0.0	21.87	50	0	Front	0	1.010	22.0	
Phablet	LTE Band 41	20	QPSK	B	22322	1:1.58	0.00	2506.00	39750	0.0	21.87	50	0	Bottom	0	0.990	22.0	
Phablet	LTE Band 41	20	QPSK	B	22322	1:1.58	-0.01	2506.00	39750	0.0	21.87	50	0	Left	0	0.609	24.1	

Table K-10
ECI = 4 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	23668	1:1	-0.08	836.50	167300	DFT-s-OFDM	0.0	22.80	1	104	Back	0	1.090	24.5	24.5
PHABLET	NR Band n5	20	QPSK	A	23668	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	22.80	1	104	Front	0	0.496	28.0	
PHABLET	NR Band n5	20	QPSK	A	23668	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	22.80	1	104	Bottom	0	1.020	24.8	
PHABLET	NR Band n5	20	QPSK	A	23668	1:1	-0.13	836.50	167300	DFT-s-OFDM	0.0	22.80	1	104	Right	0	0.622	27.0	
PHABLET	NR Band n5	20	QPSK	A	23668	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	22.80	1	104	Left	0	0.080	35.9	

Table K-11
ECI = 4 P_{Limit} Calculations – NR Band n66 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 n66	40	QPSK	B	22827	1:1	-0.04	1745.00	349000	DFT-s-OFDM	0.0	16.88	108	54	Back	0	1.010	18.9	18.9
Phablet	NR Band n66	40	QPSK	B	22827	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	16.88	108	54	Front	0	0.549	21.6	
Phablet	NR Band n66	40	QPSK	B	22827	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	16.88	108	54	Bottom	0	0.553	21.6	
Phablet	NR Band n66	40	QPSK	B	22827	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	16.88	108	54	Left	0	0.379	23.2	

Table K-12
ECI = 4 P_{Limit} Calculations – DTS Phablet SAR

COPY AREA	Band / Mode	Bandwidth [MHz]	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]	EFS Plimit [dBm]
Phablet	2.4 GHz WiFi / IEEE 802.11b	20	DSSS	E	22983	99.51	-0.02	2437.00	6	1Mbps	19.81	Back	0	0.877	21.8	21.8	21.8
Phablet	2.4 GHz WiFi / IEEE 802.11b	20	DSSS	E	22983	99.51	-0.02	2437.00	6	1Mbps	19.81	Front	0	0.495	24.3		
Phablet	2.4 GHz WiFi / IEEE 802.11b	20	DSSS	E	22983	99.51	0.01	2437.00	6	1Mbps	19.81	Top	0	0.793	22.3		
Phablet	2.4 GHz WiFi / IEEE 802.11b	20	DSSS	E	22983	99.51	-0.01	2437.00	6	1Mbps	19.81	Left	0	0.139	29.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Phablet 4.0 W/kg (mW/g) averaged over 10 grams					

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