

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

<b>FCC ID:</b> BCGA2435	<b>PART 0 SAR CHAR REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Document S/N:</b> 1C2305090017-03.BCG	<b>DUT Type:</b> Tablet Device	APPENDIX A: Page 1 of 3

REV 1.1  
04/08/2022

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

**Table A-1**  
**DSI = 1 Plimit Calculations - NR Band n48 Ant 1**

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth (MHz)	Waveform	Modulation	RB Size	RB Offset	Conducted Power (dBm)	MPR (dB)	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.58	0	1:1	0.633	12.60
3624.99	641666	Mid	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	104	11.18	0	1:1	0.655	12.05
3679.98	645332	High	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.40	0	1:1	0.650	12.30
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	28	11.00	0	1:1	0.606	12.21
3624.99	641666	Mid	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.01	0	1:1	0.666	11.81
3679.98	645332	High	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.36	0	1:1	0.553	12.96
3679.98	645332	High	back	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	100	0	11.29	0	1:1	0.612	12.45
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 1	40	CP-OFDM	QPSK	1	1	11.49	0	1:1	0.628	12.54
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.58	0	1:1	0.000	40.61
3679.98	645332	High	top	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.36	0	1:1	0.000	40.39
3570.00	638000	Low	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.58	0	1:1	0.546	13.24
3624.99	641666	Mid	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	104	11.18	0	1:1	0.611	13.13
3679.98	645332	High	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.40	0	1:1	0.535	13.15
3570.00	638000	Low	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	28	11.00	0	1:1	0.480	13.22
3624.99	641666	Mid	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.01	0	1:1	0.509	12.97
3679.98	645332	High	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.36	0	1:1	0.524	13.20
3679.98	645332	High	bottom	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	100	0	11.29	0	1:1	0.508	13.26
3570.00	638000	Low	right	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.58	0	1:1	0.005	33.62
3679.98	645332	High	right	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.36	0	1:1	0.008	31.36
3570.00	638000	Low	left	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	1	1	11.58	0	1:1	0.268	16.33
3679.98	645332	High	left	0 mm	NR Band n48	Ant 1	40	DFT-S-OFDM	QPSK	50	0	11.36	0	1:1	0.289	15.78
ANSI / IEEE CS-1192 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram					

11.81

**Table A-2**  
**DSI = 1 Plimit Calculations - NR Band n48 Ant 2a**

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth (MHz)	Waveform	Modulation	RB Size	RB Offset	Conducted Power (dBm)	MPR (dB)	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.97	0	1:1	0.760	11.19
3624.99	641666	Mid	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.84	0	1:1	0.733	11.22
3679.98	645332	High	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	1	10.77	0	1:1	0.724	11.20
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.89	0	1:1	0.748	11.18
3624.99	641666	Mid	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.71	0	1:1	0.738	11.06
3679.98	645332	High	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.71	0	1:1	0.683	11.40
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	100	0	10.65	0	1:1	0.764	10.85
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.97	0	1:1	0.005	33.01
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.89	0	1:1	0.006	32.14
3570.00	638000	Low	bottom	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.97	0	1:1	0.264	15.79
3570.00	638000	Low	bottom	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.89	0	1:1	0.262	15.74
3570.00	638000	Low	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.97	0	1:1	0.804	10.95
3624.99	641666	Mid	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.84	0	1:1	0.786	10.92
3679.98	645332	High	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	1	10.77	0	1:1	0.786	10.85
3570.00	638000	Low	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.89	0	1:1	0.792	10.93
3624.99	641666	Mid	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.71	0	1:1	0.740	11.05
3679.98	645332	High	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.71	0	1:1	0.773	10.86
3570.00	638000	Low	right	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	100	0	10.65	0	1:1	0.777	10.78
3570.00	638000	Low	right	0 mm	NR Band n48	Ant 2a	40	CP-OFDM	QPSK	1	1	10.65	0	1:1	0.729	11.05
3570.00	638000	Low	left	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	1	104	10.97	0	1:1	0.000	40.00
3570.00	638000	Low	left	0 mm	NR Band n48	Ant 2a	40	DFT-S-OFDM	QPSK	50	0	10.89	0	1:1	0.000	39.92
ANSI / IEEE CS-1192 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram					

10.78

FCC ID: BCGA2435	PART 0 SAR CHAR REPORT	Approved by: Technical Manager
Document S/N: 1C2305090017-03.BCG	DUT Type: Tablet Device	APPENDIX A: Page 2 of 3

**Table A-3**  
**DSI = 1 Plimit Calculations - NR Band n48 Ant 3**

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	104	11.40	0.00	1:1	0.671	13.13
3624.99	641666	Mid	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.43	0.00	1:1	0.678	13.12
3679.98	645332	High	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.54	0.00	1:1	0.713	13.01
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.25	0.00	1:1	0.631	13.25
3624.99	641666	Mid	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.32	0.00	1:1	0.670	13.06
3679.98	645332	High	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.44	0.00	1:1	0.696	13.01
3679.98	645332	High	back	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	100	0	11.37	0.00	1:1	0.771	12.50
3679.98	645332	High	back	0 mm	NR Band n48	Ant 3	40	CP-OFDM	QPSK	1	1	11.46	0.00	1:1	0.712	12.94
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	104	11.40	0.00	1:1	0.465	14.73
3624.99	641666	Mid	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.43	0.00	1:1	0.452	14.88
3679.98	645332	High	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.54	0.00	1:1	0.519	14.39
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.28	0.00	1:1	0.450	14.72
3624.99	641666	Mid	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.32	0.00	1:1	0.477	14.53
3679.98	645332	High	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.44	0.00	1:1	0.524	14.25
3679.98	645332	High	top	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	100	0	11.37	0.00	1:1	0.502	14.36
3679.98	645332	High	bottom	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.54	0.00	1:1	0.000	51.54
3679.98	645332	High	bottom	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.44	0.00	1:1	0.000	51.44
3679.98	645332	High	right	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.54	0.00	1:1	0.027	27.23
3679.98	645332	High	right	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.44	0.00	1:1	0.027	27.13
3679.98	645332	High	left	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	1	1	11.54	0.00	1:1	0.016	29.50
3679.98	645332	High	left	0 mm	NR Band n48	Ant 3	40	DFT-S-OFDM	QPSK	50	0	11.44	0.00	1:1	0.013	30.30
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak										Body 1.4 W/kg (mW/g) averaged over 1 gram						
Uncontrolled Exposure/General Population																

**Table A-4**  
**DSI = 1 Plimit Calculations - NR Band n48 Ant 4b**

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
3570.00	638000	Low	back	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	1	10.70	0.00	1:1	0.465	14.03
3679.98	645332	High	back	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.65	0.00	1:1	0.515	13.53
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	1	10.70	0.00	1:1	0.626	12.72
3624.99	641666	Mid	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	104	10.50	0.00	1:1	0.699	12.06
3679.98	645332	High	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	53	10.65	0.00	1:1	0.748	11.91
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.35	0.00	1:1	0.630	12.36
3624.99	641666	Mid	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.28	0.00	1:1	0.639	12.23
3679.98	645332	High	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.85	0.00	1:1	0.722	12.06
3679.98	645332	High	top	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	100	0	10.56	0.00	1:1	0.690	12.17
3570.00	638000	Low	top	0 mm	NR Band n48	Ant 4b	40	CP-OFDM	QPSK	1	1	10.61	0.00	1:1	0.634	12.59
3570.00	638000	Low	bottom	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	1	10.70	0.00	1:1	0.000	50.70
3679.98	645332	High	bottom	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.65	0.00	1:1	0.000	50.65
3570.00	638000	Low	right	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	1	10.70	0.00	1:1	0.008	31.67
3679.98	645332	High	right	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.65	0.00	1:1	0.006	32.87
3570.00	638000	Low	left	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	1	1	10.70	0.00	1:1	0.018	28.15
3679.98	645332	High	left	0 mm	NR Band n48	Ant 4b	40	DFT-S-OFDM	QPSK	50	0	10.65	0.00	1:1	0.013	29.51
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak										Body 1.4 W/kg (mW/g) averaged over 1 gram						
Uncontrolled Exposure/General Population																

<b>FCC ID:</b> BCGA2435	<b>PART 0 SAR CHAR REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Document S/N:</b> 1C2305090017-03.BCG	<b>DUT Type:</b> Tablet Device	APPENDIX A: Page 3 of 3