

TABLE OF CONTENTS

1	DEVICE UNDER TEST	3
2	LTE AND NR INFORMATION	75
3	INTRODUCTION.....	77
4	DOSIMETRIC ASSESSMENT	78
5	TEST CONFIGURATION POSITIONS	79
6	RF EXPOSURE LIMITS	80
7	FCC MEASUREMENT PROCEDURES.....	82
8	RF CONDUCTED POWERS	89
9	SYSTEM VERIFICATION.....	247
10	SAR DATA SUMMARY	258
11	FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS	300
12	SAR MEASUREMENT VARIABILITY	372
13	ADDITIONAL TESTING PER FCC GUIDANCE	373
14	EQUIPMENT LIST	381
15	MEASUREMENT UNCERTAINTIES	382
16	CONCLUSION	385
17	REFERENCES.....	386
APPENDIX A: SAR TEST PLOTS		
APPENDIX B: SAR DIPOLE VERIFICATION PLOTS		
APPENDIX C: PROBE AND DIPOLE CALIBRATION CERTIFICATES		
APPENDIX D: SAR TISSUE SPECIFICATIONS		
APPENDIX E: LTE AND NR LOWER BANDWIDTH RF CONDUCTED POWERS		
APPENDIX F: SAR SYSTEM VALIDATION		
APPENDIX G: LTE DOWNLINK CA RF CONDUCTED POWERS		
APPENDIX H: 802.11AX RU SAR EXCLUSION		
APPENDIX I: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS		
APPENDIX J: WLAN TIME-AVERAGED SAR VERIFICATION		

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 2 of 387

REV 24.0
05/01/2024

1 DEVICE UNDER TEST

1.1 Device Overview

Band & Mode	Operating Modes	Tx Frequency
UMTS 850	Data	826.40 - 846.60 MHz
UMTS 1750	Data	1712.4 - 1752.6 MHz
UMTS 1900	Data	1852.4 - 1907.6 MHz
LTE Band 71	Data	665.5 - 695.5 MHz
LTE Band 12	Data	699.7 - 715.3 MHz
LTE Band 17	Data	706.5 - 713.5 MHz
LTE Band 13	Data	779.5 - 784.5 MHz
LTE Band 14	Data	790.5 - 795.5 MHz
LTE Band 26 (Cell)	Data	814.7 - 848.3 MHz
LTE Band 5 (Cell)	Data	824.7 - 848.3 MHz
LTE Band 66 (AWS)	Data	1710.7 - 1779.3 MHz
LTE Band 4 (AWS)	Data	1710.7 - 1754.3 MHz
LTE Band 25 (PCS)	Data	1850.7 - 1914.3 MHz
LTE Band 2 (PCS)	Data	1850.7 - 1909.3 MHz
LTE Band 30	Data	2307.5 - 2312.5 MHz
LTE Band 7	Data	2502.5 - 2567.5 MHz
LTE Band 41	Data	2498.5 - 2687.5 MHz
LTE Band 48	Data	3552.5 - 3697.5 MHz
NR Band n71	Data	665.5 - 695.5 MHz
NR Band n12	Data	701.5 - 713.5 MHz
NR Band n14	Data	790.5 - 795.5 MHz
NR Band n26 (Cell)	Data	816.5 - 846.5 MHz
NR Band n5 (Cell)	Data	826.5 - 846.5 MHz
NR Band n70	Data	1697.5 - 1707.5 MHz
NR Band n66 (AWS)	Data	1712.5 - 1777.5 MHz
NR Band n25 (PCS)	Data	1852.5 - 1912.5 MHz
NR Band n2 (PCS)	Data	1852.5 - 1907.5 MHz
NR Band n30	Data	2307.5 - 2312.5 MHz
NR Band n7	Data	2502.5 - 2567.5 MHz
NR Band n41	Data	2506.02 - 2679.99 MHz
NR Band n48	Data	3550 - 3700 MHz
NR Band n77 DoD	Data	3460.02 - 3540 MHz
NR Band n77	Data	3710.01 - 3969.99 MHz
2.4 GHz WIFI	Voice/Data	2412 - 2472 MHz
5 GHz WIFI	Voice/Data	U-NII-1: 5180 - 5240 MHz U-NII-2A: 5260 - 5320 MHz U-NII-2C: 5500 - 5720 MHz U-NII-3: 5745 - 5825 MHz
6 GHz WIFI	Voice/Data	U-NII-5: 5935 - 6415 MHz U-NII-6: 6435 - 6515 MHz U-NII-7: 6535 - 6875 MHz U-NII-8: 6895 - 7115 MHz
2.4 GHz Bluetooth	Data	2402 - 2480 MHz
802.15.4	Data	2405 - 2475 MHz
NB U-NII 1	Data	5162 - 5245 MHz
NB U-NII 3	Data	5733 - 5844 MHz
wPT	N/A	13.56 MHz

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 3 of 387

REV 24.0
05/01/2024

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1.2 Time-Averaging Algorithm for RF Exposure Compliance

This device is enabled with the Qualcomm® Smart Transmit Gen2 feature. This feature performs a time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. Refer to Compliance Summary document for detailed description of Qualcomm® Smart Transmit feature (report SN could be found in Section 1.10 – Bibliography).

Note that WLAN operations are not enabled with Smart Transmit.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR design_target, below the predefined time-averaged power limit (i.e., P_{limit} for sub-6 radio), for each characterized technology and band (see RF Exposure Part 0 Test Report, report SN could be found in Section 1.10 - Bibliography).

Smart Transmit allows the device to transmit at higher power instantaneously, as high as P_{max} , when needed, but enforces power limiting to maintain time-averaged transmit power to P_{limit} . Below table shows P_{limit} EFS settings and maximum tune up output power P_{max} configured for this EUT for various transmit conditions (Device State Index DSI). Note that the smart tx uncertainty for sub-6GHz WWAN is +1.0 /-1.0 dB for this EUT.

*Maximum tune up output power Pmax is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum Tune up output power +0.7/-1.0 dB conducted power tolerance and for UHB +/- 1.0 dB for conducted powers tolerance.

Access Technology	4G LTE	5G NR	5G NR	5G NR	5G NR	5G NR	5G NR	5G NR	5G NR	5G NR	5G NR	5G NR
Powering Mode	Power Mode 1	Power Mode 2	Power Mode 3	Power Mode 4	Power Mode 5	Power Mode 6	Power Mode 7	Power Mode 8	Power Mode 9	Power Mode 10	Power Mode 11	Power Mode 12
Powering Mode	Power Mode 1	Power Mode 2	Power Mode 3	Power Mode 4	Power Mode 5	Power Mode 6	Power Mode 7	Power Mode 8	Power Mode 9	Power Mode 10	Power Mode 11	Power Mode 12
Technology/Band	Power corresponding to P_{limit} (W)	Power corresponding to P_{max} (W)	Power corresponding to P_{limit} (W)	Power corresponding to P_{max} (W)	Power corresponding to P_{limit} (W)	Power corresponding to P_{max} (W)	Power corresponding to P_{limit} (W)	Power corresponding to P_{max} (W)	Power corresponding to P_{limit} (W)	Power corresponding to P_{max} (W)	Power corresponding to P_{limit} (W)	Power corresponding to P_{max} (W)
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
5G NR	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
4G LTE	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
3G HSPA	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
2G GSM	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
1G GPRS	0.125											

1.3 Power Reduction for SAR

This device additionally utilizes a power reduction mechanism for Bluetooth/802.15.4/NB UNII and WLAN operations. When Bluetooth/802.15.4/NB UNII/WLAN is operating simultaneously with certain combinations of 3G/4G/5G and 5/6 GHz WLAN antennas, the output power of is permanently reduced. SAR evaluations were additionally performed at the maximum allowed output power for these scenarios to evaluate simultaneous transmission compliance.

Additionally, this device uses an independent mechanism that limits WIFI powers to a time-averaged output power. For the purposes of this test report, all SAR measurements were performed with the algorithm disabled at the maximum time-averaged output power level. Verification data for this time-averaged SAR mechanism can be found in the WLAN Time-Averaged SAR Verification Appendix.

1.4 Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D04v01.

WWAN Output Power

Table 1-1
UMTS B5 (850 MHz)

Mode/Band			Modulated Average Output Power (in dBm)	
			Ant 2	Ant 4
UMTS Band 5 (850 MHz)	Max allowed power	3GPP WCDMA	17.50	17.70
	Nominal	Rel 99	16.50	16.70
	Max allowed power	3GPP HSDPA	17.50	17.70
	Nominal	Rel 5	16.50	16.70
	Max allowed power	3GPP HSUPA	17.50	17.70
	Nominal	Rel 6	16.50	16.70
	Max allowed power	3GPP DC-HSDPA	17.50	17.70
	Nominal	Rel 8	16.50	16.70

Table 1-2
UMTS B4 (1750 MHz)

Mode/Band			Modulated Average Output Power (in dBm)			
			Ant 1b	Ant 2	Ant 3b	Ant 4
UMTS Band 4 (1750 MHz)	Max allowed power	3GPP WCDMA	11.70	13.40	13.00	13.50
	Nominal	Rel 99	10.70	12.40	12.00	12.50
	Max allowed power	3GPP HSDPA	11.70	13.40	13.00	13.50
	Nominal	Rel 5	10.70	12.40	12.00	12.50
	Max allowed power	3GPP HSUPA	11.70	13.40	13.00	13.50
	Nominal	Rel 6	10.70	12.40	12.00	12.50
	Max allowed power	3GPP DC-HSDPA	11.70	13.40	13.00	13.50
	Nominal	Rel 8	10.70	12.40	12.00	12.50

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 5 of 387

REV 24.0
05/01/2024

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Table 1-3
UMTS B2 (1900 MHz)

Mode/Band			Modulated Average Output Power (in dBm)			
			Ant 1b	Ant 2	Ant 3b	Ant 4
UMTS Band 2 (1900 MHz)	Max allowed power	3GPP WCDMA	11.80	14.30	13.20	13.70
	Nominal	Rel 99	10.80	13.30	12.20	12.70
	Max allowed power	3GPP HSDPA	11.80	14.30	13.20	13.70
	Nominal	Rel 5	10.80	13.30	12.20	12.70
	Max allowed power	3GPP HSUPA	11.80	14.30	13.20	13.70
	Nominal	Rel 6	10.80	13.30	12.20	12.70
	Max allowed power	3GPP DC-HSDPA	11.80	14.30	13.20	13.70
	Nominal	Rel 8	10.80	13.30	12.20	12.70

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 6 of 387

REV 24.0
05/01/2024

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Table 1-4
LTE Bands

Mode / Band			Modulated Average Output Power (in dBm)					
			Ant 1a	Ant 1b	Ant 2	Ant 3a	Ant 3b	Ant 4
LTE FDD Band 71	Max allowed power				19.70			20.40
	Nominal				18.70			19.40
LTE FDD Band 12	Max allowed power				18.70			19.50
	Nominal				17.70			18.50
LTE FDD Band 17	Max allowed power				18.70			19.50
	Nominal				17.70			18.50
LTE FDD Band 13	Max allowed power				18.60			18.80
	Nominal				17.60			17.80
LTE FDD Band 14	Max allowed power				18.60			18.80
	Nominal				17.60			17.80
LTE FDD Band 26	Max allowed power				17.50			17.70
	Nominal				16.50			16.70
LTE FDD Band 5	Max allowed power				17.50			17.70
	Nominal				16.50			16.70
LTE FDD Band 5 Intra-band ULCA	Max allowed power				17.50			17.70
	Nominal				16.50			16.70
LTE FDD Band 4	Max allowed power			11.70	13.40		13.00	13.50
	Nominal			10.70	12.40		12.00	12.50
LTE FDD Band 66	Max allowed power			11.70	13.40		13.00	13.50
	Nominal			10.70	12.40		12.00	12.50
LTE FDD Band 2	Max allowed power			11.80	14.30		13.20	13.70
	Nominal			10.80	13.30		12.20	12.70
LTE FDD Band 25	Max allowed power			11.80	14.30		13.20	13.70
	Nominal			10.80	13.30		12.20	12.70
LTE FDD Band 30	Max allowed power			12.80	12.90		14.60	13.50
	Nominal			11.80	11.90		13.60	12.50
LTE FDD Band 7	Max allowed power			12.70	12.80		13.70	11.40
	Nominal			11.70	11.80		12.70	10.40
LTE FDD Band 7 Intra-band ULCA	Max allowed power			12.70	12.80		13.70	11.40
	Nominal			11.70	11.80		12.70	10.40
LTE TDD Band 41 (PC3)	Max allowed power			14.00	14.30		15.00	13.40
	Nominal			13.00	13.30		14.00	12.40
LTE TDD Band 41 (PC3) Intra-band ULCA	Max allowed power			14.00	14.30		15.00	13.40
	Nominal			13.00	13.30		14.00	12.40
LTE TDD Band 41 (PC2)	Max allowed power			15.60	15.90		16.60	15.00
	Nominal			14.60	14.90		15.60	14.00
LTE TDD Band 41 (PC2) Intra-band ULCA	Max allowed power			15.60	15.90		16.60	15.00
	Nominal			14.60	14.90		15.60	14.00
LTE TDD Band 48	Max allowed power		11.50		12.80	11.50		11.20
	Nominal		10.50		11.80	10.50		10.20
LTE TDD Band 48 Intra-band ULCA	Max allowed power		11.50		12.80	11.50		11.20
	Nominal		10.50		11.80	10.50		10.20

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 7 of 387

REV 24.0
05/01/2024

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**Table 1-5
NR Bands**

Mode / Band		Modulated Average Output Power (in dBm)					
		Ant 1a	Ant 1b	Ant 2	Ant 3a	Ant 3b	Ant 4
NR FDD Band n71	Max allowed power			19.70			20.40
	Nominal			18.70			19.40
NR FDD Band n12	Max allowed power			18.70			19.50
	Nominal			17.70			18.50
NR FDD Band n14	Max allowed power			18.60			18.80
	Nominal			17.60			17.80
NR FDD Band n26	Max allowed power			17.50			17.70
	Nominal			16.50			16.70
NR FDD Band n5	Max allowed power			17.50			17.70
	Nominal			16.50			16.70
NR FDD Band n70	Max allowed power		11.70	13.40		13.00	13.50
	Nominal		10.70	12.40		12.00	12.50
NR FDD Band n66	Max allowed power		11.70	13.40		13.00	13.50
	Nominal		10.70	12.40		12.00	12.50
NR FDD Band n2	Max allowed power		11.80	14.30		13.20	13.70
	Nominal		10.80	13.30		12.20	12.70
NR FDD Band n25	Max allowed power		11.80	14.30		13.20	13.70
	Nominal		10.80	13.30		12.20	12.70
NR FDD Band n30	Max allowed power		12.80	12.90		14.60	13.50
	Nominal		11.80	11.90		13.60	12.50
NR FDD Band n7	Max allowed power		12.70	12.80		13.70	11.40
	Nominal		11.70	11.80		12.70	10.40
NR TDD Band n41 (PC3) [Burst Average]	Max allowed power		12.00	12.30		13.00	11.40
	Nominal		11.00	11.30		12.00	10.40
NR TDD Band n41 (PC2) [Burst Average]	Max allowed power		12.00	12.30		13.00	11.40
	Nominal		11.00	11.30		12.00	10.40
NR TDD Band n77 (PC3) [Burst Average]	Max allowed power	9.60		11.30	8.70		11.20
	Nominal	8.60		10.30	7.70		10.20
NR TDD Band n77 (PC2) [Burst Average]	Max allowed power	9.60		11.30	8.70		11.20
	Nominal	8.60		10.30	7.70		10.20
NR TDD Band n48 [Burst Average]	Max allowed power	9.50		10.80	9.50		9.20
	Nominal	8.50		9.80	8.50		8.20

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by:
		Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 8 of 387

REV 24.0
05/01/2024

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*The tolerances specified in the tables in this report refers to conducted tolerances.

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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REV 24.0
05/01/2024

Mile	Channel	ISO										ISO 802.11 (Maximum tx offset = Antenna 2s)										MIMO CDD										MIMO SDD									
		s (Nominal)		s (Nominal)		s/e (Maximum)		s/e (Nominal)		ss SI2 (Maximum)		ss SI2 (Nominal)		s/e (Maximum)		s/e (Nominal)		ss SI2 (Maximum)		ss SI2 (Nominal)		s/e (Maximum)		s/e (Nominal)		ss SI2 (Maximum)		ss SI2 (Nominal)		s/e (Maximum)		s/e (Nominal)		ss SI2 (Maximum)		ss SI2 (Nominal)					
20 Miles Wirth	36	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	40	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	44	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	48	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	52	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	56	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	60	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	64	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50						
	100	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	104	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	108	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	112	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	116	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	120	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	124	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
	128	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50						
132	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
136	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
140	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
144	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
148	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75							
152	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75							
156	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75							
160	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75							
40	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
44	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
48	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
52	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
56	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
60	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
64	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50	30.50	9.50							
100	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
104	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
108	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50							
112	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75							
116	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75																	

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

[illegible]

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 10 of 387

REV 24.0
05/01/2024

03/01/2024

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LP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	5	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	9-29	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	33-61	5.25	3.75	5.25	3.75	0.50	-1.00	3.50	2.00
	65-85	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	89	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	93	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	97-113	5.25	3.75	5.25	3.75	0.00	-1.50	3.00	1.50
	117-181	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	185	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	189-225	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	229	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	233	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
6 GHz WIFI (40MHz BW) LP	3			7.75	6.25	3.00	1.50	6.00	4.50
	11			7.75	6.25	3.00	1.50	6.00	4.50
	19-27			7.75	6.25	3.00	1.50	6.00	4.50
	35-59			8.25	6.75	3.50	2.00	6.50	5.00
	67-75			8.50	7.00	3.50	2.00	6.25	4.75
	83			8.50	7.00	3.50	2.00	6.25	4.75
	91			8.50	7.00	3.50	2.00	6.25	4.75
	99-107			8.25	6.75	3.00	1.50	6.00	4.50
	115			8.00	6.50	3.00	1.50	6.00	4.50
	123-179			8.00	6.50	3.25	1.75	6.00	4.50
	187			8.00	6.50	3.25	1.75	6.00	4.50
	195-219			8.00	6.50	3.25	1.75	6.00	4.50
	227			8.00	6.50	3.25	1.75	6.00	4.50
	7			10.75	9.25	6.00	4.50	9.00	7.50
6 GHz WIFI (80MHz BW) LP	23			10.75	9.25	6.00	4.50	9.00	7.50
	39-55			11.25	9.75	6.50	5.00	9.50	8.00
	71			11.50	10.00	6.50	5.00	9.25	7.75
	87			11.50	10.00	6.50	5.00	9.25	7.75
	103			11.25	9.75	6.00	4.50	9.00	7.50
	119			11.00	9.50	6.00	4.50	9.00	7.50
	135-167			11.00	9.50	6.25	4.75	9.00	7.50
	183			11.00	9.50	6.25	4.75	9.00	7.50
	199			11.00	9.50	6.25	4.75	9.00	7.50
	215			11.00	9.50	6.25	4.75	9.00	7.50
6 GHz WIFI (160MHz BW) LP	15			13.25	11.75	8.50	7.00	11.50	10.00
	47			13.50	12.00	9.00	7.50	12.00	10.50
	79			13.00	11.50	9.00	7.50	11.75	10.25
	111			12.25	10.75	8.50	7.00	11.50	10.00
	143			11.25	9.75	8.75	7.25	11.25	9.75
	175			11.25	9.75	8.75	7.25	11.25	9.75
	207			11.25	9.75	8.75	7.25	11.25	9.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 11 of 387

REV 24.0
05/01/2024

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VLP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.25	-0.25	NS	NS	-0.50	-2.00
	65-85	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	89	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	93	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	1.00	-0.50	1.00	-0.50	NS	NS	-1.00	-2.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) VLP	3			NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.25	2.75	-0.50	-2.00	2.50	1.00
	67-75			4.50	3.00	-0.50	-2.00	2.25	0.75
	83			4.50	3.00	-0.50	-2.00	2.25	0.75
	91			4.50	3.00	-0.50	-2.00	2.25	0.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			4.00	2.50	-0.75	-2.25	2.00	0.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) VLP	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	2.50	1.00	5.50	4.00
	71			7.50	6.00	2.50	1.00	5.25	3.75
	87			7.50	6.00	2.50	1.00	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			7.00	5.50	2.25	0.75	5.00	3.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) VLP	15			NS	NS	NS	NS	NS	NS
	47			9.75	8.25	5.00	3.50	8.00	6.50
	79			10.00	8.50	5.00	3.50	7.75	6.25
	111			NS	NS	NS	NS	NS	NS
	143			9.50	8.00	4.75	3.25	7.50	6.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 12 of 387

REV 24.0
05/01/2024

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SP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	13.50	12.00	13.50	12.00	13.50	12.00	13.50	12.00
	5	13.50	12.00	13.50	12.00	13.50	12.00	13.50	12.00
	9-29	13.50	12.00	13.50	12.00	13.50	12.00	13.50	12.00
	33-61	13.50	12.00	13.50	12.00	13.50	12.00	13.50	12.00
	65-85	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
	89	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
	93	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3			13.50	12.00	13.50	12.00	13.50	12.00
	11			13.50	12.00	13.50	12.00	13.50	12.00
	19-27			13.50	12.00	13.50	12.00	13.50	12.00
	35-59			13.50	12.00	13.50	12.00	13.50	12.00
	67-75			13.00	11.50	13.00	11.50	13.00	11.50
	83			13.00	11.50	13.00	11.50	13.00	11.50
	91			13.00	11.50	13.00	11.50	13.00	11.50
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			11.25	9.75	11.25	9.75	11.25	9.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			13.50	12.00	13.50	12.00	13.50	12.00
6 GHz WIFI (80MHz BW) SP	23			13.50	12.00	13.50	12.00	13.50	12.00
	39-55			13.50	12.00	13.50	12.00	13.50	12.00
	71			13.00	11.50	13.00	11.50	13.00	11.50
	87			13.00	11.50	13.00	11.50	13.00	11.50
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			11.25	9.75	11.25	9.75	11.25	9.75
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	15			13.50	12.00	13.50	12.00	13.50	12.00
	47			13.50	12.00	13.50	12.00	13.50	12.00
	79			13.00	11.50	13.00	11.50	13.00	11.50
	111			NS	NS	NS	NS	NS	NS
	143			11.25	9.75	11.25	9.75	11.25	9.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 13 of 387

REV 24.0
05/01/2024

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LP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	5	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	9-29	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	33-61	5.25	3.75	5.25	3.75	0.50	-1.00	3.50	2.00
	65-85	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	89	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	93	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	97-113	5.25	3.75	5.25	3.75	0.00	-1.50	3.00	1.50
	117-181	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	185	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	189-225	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	229	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	233	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
6 GHz WiFi (40MHz BW) LP	3			7.75	6.25	3.00	1.50	6.00	4.50
	11			7.75	6.25	3.00	1.50	6.00	4.50
	19-27			7.75	6.25	3.00	1.50	6.00	4.50
	35-59			8.25	6.75	3.50	2.00	6.50	5.00
	67-75			8.50	7.00	3.50	2.00	6.25	4.75
	83			8.50	7.00	3.50	2.00	6.25	4.75
	91			8.50	7.00	3.50	2.00	6.25	4.75
	99-107			8.25	6.75	3.00	1.50	6.00	4.50
	115			8.00	6.50	3.00	1.50	6.00	4.50
	123-179			8.00	6.50	3.25	1.75	6.00	4.50
	187			8.00	6.50	3.25	1.75	6.00	4.50
	195-219			8.00	6.50	3.25	1.75	6.00	4.50
	227			8.00	6.50	3.25	1.75	6.00	4.50
6 GHz WiFi (80MHz BW) LP	7			10.75	9.25	6.00	4.50	9.00	7.50
	23			10.75	9.25	6.00	4.50	9.00	7.50
	39-55			11.00	9.50	6.50	5.00	9.50	8.00
	71			9.50	8.00	6.50	5.00	9.25	7.75
	87			9.50	8.00	6.50	5.00	9.25	7.75
	103			10.00	8.50	6.00	4.50	9.00	7.50
	119			10.00	8.50	6.00	4.50	9.00	7.50
	135-167			10.00	8.50	6.25	4.75	9.00	7.50
	183			10.00	8.50	6.25	4.75	9.00	7.50
	199			10.00	8.50	6.25	4.75	9.00	7.50
	215			10.00	8.50	6.25	4.75	9.00	7.50
	15			11.00	9.50	8.50	7.00	11.00	9.50
	47			11.00	9.50	9.00	7.50	11.00	9.50
	79			9.50	8.00	9.00	7.50	9.50	8.00
6 GHz WiFi (160MHz BW) LP	111			10.00	8.50	8.50	7.00	10.00	8.50
	143			10.00	8.50	8.75	7.25	10.00	8.50
	175			10.00	8.50	8.75	7.25	10.00	8.50
				10.00	8.50	8.75	7.25	10.00	8.50
	207			10.00	8.50	8.75	7.25	10.00	8.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 14 of 387

REV 24.0
05/01/2024

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VLP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.25	-0.25	NS	NS	-0.50	-2.00
	65-85	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	89	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	93	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	1.00	-0.50	1.00	-0.50	NS	NS	-1.00	-2.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WiFi (40MHz BW) VLP	3			NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.25	2.75	-0.50	-2.00	2.50	1.00
	67-75			4.50	3.00	-0.50	-2.00	2.25	0.75
	83			4.50	3.00	-0.50	-2.00	2.25	0.75
	91			4.50	3.00	-0.50	-2.00	2.25	0.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			4.00	2.50	-0.75	-2.25	2.00	0.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WiFi (80MHz BW) VLP	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	2.50	1.00	5.50	4.00
	71			7.50	6.00	2.50	1.00	5.25	3.75
	87			7.50	6.00	2.50	1.00	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			7.00	5.50	2.25	0.75	5.00	3.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
	47			9.75	8.25	5.00	3.50	8.00	6.50
6 GHz WiFi (160MHz BW) VLP	79			9.50	8.00	5.00	3.50	7.75	6.25
	111			NS	NS	NS	NS	NS	NS
	143			9.50	8.00	4.75	3.25	7.50	6.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 15 of 387

REV 24.0
05/01/2024

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SP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	5	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	9-29	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	33-61	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	65-85	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	89	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	93	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3			11.00	9.50	11.00	9.50	11.00	9.50
	11			11.00	9.50	11.00	9.50	11.00	9.50
	19-27			11.00	9.50	11.00	9.50	11.00	9.50
	35-59			11.00	9.50	11.00	9.50	11.00	9.50
	67-75			9.50	8.00	9.50	8.00	9.50	8.00
	83			9.50	8.00	9.50	8.00	9.50	8.00
	91			9.50	8.00	9.50	8.00	9.50	8.00
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			10.00	8.50	10.00	8.50	10.00	8.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			11.00	9.50	11.00	9.50	11.00	9.50
6 GHz WIFI (80MHz BW) SP	23			11.00	9.50	11.00	9.50	11.00	9.50
	39-55			11.00	9.50	11.00	9.50	11.00	9.50
	71			9.50	8.00	9.50	8.00	9.50	8.00
	87			9.50	8.00	9.50	8.00	9.50	8.00
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			10.00	8.50	10.00	8.50	10.00	8.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			11.00	9.50	11.00	9.50	11.00	9.50
	47			11.00	9.50	11.00	9.50	11.00	9.50
	79			9.50	8.00	9.50	8.00	9.50	8.00
	111			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	143			10.00	8.50	10.00	8.50	10.00	8.50
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 16 of 387

REV 24.0
05/01/2024

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LP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	5	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	9-29	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	33-61	5.25	3.75	5.25	3.75	0.50	-1.00	3.50	2.00
	65-85	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	89	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	93	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	97-113	5.25	3.75	5.25	3.75	0.00	-1.50	3.00	1.50
	117-181	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	185	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	189-225	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	229	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	233	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
6 GHz WiFi (40MHz BW) LP	3			7.75	6.25	3.00	1.50	6.00	4.50
	11			7.75	6.25	3.00	1.50	6.00	4.50
	19-27			7.75	6.25	3.00	1.50	6.00	4.50
	35-59			8.25	6.75	3.50	2.00	6.50	5.00
	67-75			8.50	7.00	3.50	2.00	6.25	4.75
	83			8.50	7.00	3.50	2.00	6.25	4.75
	91			8.50	7.00	3.50	2.00	6.25	4.75
	99-107			7.75	6.25	3.00	1.50	6.00	4.50
	115			7.75	6.25	3.00	1.50	6.00	4.50
	123-179			7.75	6.25	3.25	1.75	6.00	4.50
	187			8.00	6.50	3.25	1.75	6.00	4.50
	195-219			8.00	6.50	3.25	1.75	6.00	4.50
	227			8.00	6.50	3.25	1.75	6.00	4.50
	7			8.50	7.00	6.00	4.50	8.50	7.00
6 GHz WiFi (80MHz BW) LP	23			8.50	7.00	6.00	4.50	8.50	7.00
	39-55			8.50	7.00	6.50	5.00	8.50	7.00
	71			9.25	7.75	6.50	5.00	9.25	7.75
	87			9.25	7.75	6.50	5.00	9.25	7.75
	103			7.75	6.25	6.00	4.50	7.75	6.25
	119			7.75	6.25	6.00	4.50	7.75	6.25
	135-167			9.50	8.00	6.25	4.75	9.00	7.50
	183			9.50	8.00	6.25	4.75	9.00	7.50
	199			8.75	7.25	6.25	4.75	8.75	7.25
	215			8.75	7.25	6.25	4.75	8.75	7.25
6 GHz WiFi (160MHz BW) LP	15			8.50	7.00	8.50	7.00	8.50	7.00
	47			8.50	7.00	8.50	7.00	8.50	7.00
	79			9.25	7.75	9.00	7.50	9.25	7.75
	111			7.75	6.25	7.75	6.25	7.75	6.25
	143			9.50	8.00	8.75	7.25	9.50	8.00
	175			9.50	8.00	8.75	7.25	9.50	8.00
	207			8.75	7.25	8.75	7.25	8.75	7.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 17 of 387

REV 24.0
05/01/2024

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VLP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.25	-0.25	NS	NS	-0.50	-2.00
	65-85	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	89	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	93	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	1.00	-0.50	1.00	-0.50	NS	NS	-1.00	-2.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WiFi (40MHz BW) VLP	3			NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.25	2.75	-0.50	-2.00	2.50	1.00
	67-75			4.50	3.00	-0.50	-2.00	2.25	0.75
	83			4.50	3.00	-0.50	-2.00	2.25	0.75
	91			4.50	3.00	-0.50	-2.00	2.25	0.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			4.00	2.50	-0.75	-2.25	2.00	0.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
6 GHz WiFi (80MHz BW) VLP	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	2.50	1.00	5.50	4.00
	71			7.50	6.00	2.50	1.00	5.25	3.75
	87			7.50	6.00	2.50	1.00	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			7.00	5.50	2.25	0.75	5.00	3.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
6 GHz WiFi (160MHz BW) VLP	47			8.50	7.00	5.00	3.50	8.00	6.50
	79			9.25	7.75	5.00	3.50	7.75	6.25
	111			NS	NS	NS	NS	NS	NS
	143			9.50	8.00	4.75	3.25	7.50	6.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 18 of 387

REV 24.0
05/01/2024

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SP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	8.50	7.00	8.50	7.00	8.50	7.00	8.50	7.00
	5	8.50	7.00	8.50	7.00	8.50	7.00	8.50	7.00
	9-29	8.50	7.00	8.50	7.00	8.50	7.00	8.50	7.00
	33-61	8.50	7.00	8.50	7.00	8.50	7.00	8.50	7.00
	65-85	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	89	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	93	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3			8.50	7.00	8.50	7.00	8.50	7.00
	11			8.50	7.00	8.50	7.00	8.50	7.00
	19-27			8.50	7.00	8.50	7.00	8.50	7.00
	35-59			8.50	7.00	8.50	7.00	8.50	7.00
	67-75			9.25	7.75	9.25	7.75	9.25	7.75
	83			9.25	7.75	9.25	7.75	9.25	7.75
	91			9.25	7.75	9.25	7.75	9.25	7.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			7.75	6.25	7.75	6.25	7.75	6.25
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			8.50	7.00	8.50	7.00	8.50	7.00
6 GHz WIFI (80MHz BW) SP	23			8.50	7.00	8.50	7.00	8.50	7.00
	39-55			8.50	7.00	8.50	7.00	8.50	7.00
	71			9.25	7.75	9.25	7.75	9.25	7.75
	87			9.25	7.75	9.25	7.75	9.25	7.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			9.50	8.00	9.50	8.00	9.50	8.00
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			8.50	7.00	8.50	7.00	8.50	7.00
	47			8.50	7.00	8.50	7.00	8.50	7.00
	79			9.25	7.75	9.25	7.75	9.25	7.75
	111			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	143			9.50	8.00	9.50	8.00	9.50	8.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS
				NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 19 of 387

REV 24.0
05/01/2024

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1.6 Reduced Time-Averaged Output Power

Note: Targets for 802.11ax RU operations can be found in 802.11ax RU SAR Exclusion Appendix.

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 4, NB UNII Antenna 3b and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3a											
		SISO						MIMO					
		b (Maximum)	b (Nominal)	g (Maximum)	g (Nominal)	n (Maximum)	n (Nominal)	ax SU (Maximum)	ax SU (Nominal)	g/n (Maximum)	g/n (Nominal)	ax SU (Maximum)	ax SU (Nominal)
2.4 GHz WPT 20 MHz Bandwidth	1	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	2	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	3	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	4	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	5	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	6	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	7	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	8	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	9	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	10	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	11	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	12	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	13	5.50	4.00	5.50	4.00	5.50	4.00	NS	NS	5.50	4.00	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 2, NB UNII Antenna 1b and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1a											
		SISO						MIMO					
		b (Maximum)	b (Nominal)	g (Maximum)	g (Nominal)	n (Maximum)	n (Nominal)	ax SU (Maximum)	ax SU (Nominal)	g/n (Maximum)	g/n (Nominal)	ax SU (Maximum)	ax SU (Nominal)
2.4 GHz WPT 20 MHz Bandwidth	1	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	2	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	3	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	4	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	5	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	6	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	7	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	8	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	9	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	10	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	11	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	12	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00
	13	6.50	5.00	6.50	5.00	6.50	5.00	NS	NS	6.50	5.00	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 20 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 4 and 802.15.4 Ant 4 and wPT active.
- Simultaneous conditions with Licensed Band Antenna 2, 802.15.4 Ant 4, 5/6 GHz WLAN Antenna 3b and wPT active.

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1T											
		SISO						MIMO CDD					
		a (Maximum)	a (Nominal)	a/4a (Maximum)	a/4a (Nominal)	a/4a (Maximum)	a/4a (Nominal)	a/4a/4a (Maximum)	a/4a/4a (Nominal)	a/4a/4a (Maximum)	a/4a/4a (Nominal)	a/4a/4a (Maximum)	a/4a/4a (Nominal)
S GHz WPH 20 MHz Bandwidth	36	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	40	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	44	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	48	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	52	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	56	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	60	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	64	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	100	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	104	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	108	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	112	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	116	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	120	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	124	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	128	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	132	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	136	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	140	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	144	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	148	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	152	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	156	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	160	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	164	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	168	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
S GHz WPH 40 MHz Bandwidth	36			10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	40			10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	44			10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	48			10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	52			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	56			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	60			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	64			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	100			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	104			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	108			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	112			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	116			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	120			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	124			9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
S GHz WPH 80 MHz Bandwidth	100			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	104			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	108			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	112			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	116			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	120			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	124			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	128			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
S GHz WPH 160 MHz Bandwidth	100			10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	114			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 21 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 2 and 802.15.4 Ant 4 and wPT active.

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3a													
		SSD						MIMO CSD				MIMO DDM			
		a (Maximum)	a (Nominal)	e/fe (Maximum)	e/fe (Nominal)	ae SU (Maximum)	ae SU (Nominal)	a/fe (Maximum)	a/fe (Nominal)	ae SU (Maximum)	ae SU (Nominal)	e/fe (Maximum)	e/fe (Nominal)	ae SU (Maximum)	ae SU (Nominal)
5 GHz WPT 20 MHz Bandwidth	36	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	40	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	44	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	48	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	52	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	56	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	60	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	64	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	100	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	104	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	108	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	112	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	116	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	120	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	124	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	128	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	132	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	136	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	140	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	144	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	148	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
	152	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
	156	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
	160	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
5 GHz WPT 40 MHz Bandwidth	36			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	40			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	54			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	62			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	100			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	112			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	120			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	128			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	136			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	142			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	151			7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
	159			7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
5 GHz WPT 80 MHz Bandwidth	42			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	58			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	106			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	122			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
5 GHz WPT 160 MHz Bandwidth	138			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	154			7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25	7.75	6.25
5 GHz WPT 320 MHz Bandwidth	50			5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	114			6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 22 of 387	

REV 24.0
05/01/2024

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- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 4 and 802.15.4 Ant 4 and wPT active.
- Simultaneous conditions with Licensed Band Antenna 2, 802.15.4 Ant 4, 5/6 GHz WLAN Antenna 3b and wPT active.

LP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna ST							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	5	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	9-29	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	33-61	5.25	3.75	5.25	3.75	0.50	-1.00	3.50	2.00
	65-85	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	89	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	93	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	97-113	5.25	3.75	5.25	3.75	0.00	-1.50	3.00	1.50
	117-181	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	185	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	189-225	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	229	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	233	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
6 GHz WiFi (40MHz BW) LP	3			7.75	6.25	3.00	1.50	6.00	4.50
	11			7.75	6.25	3.00	1.50	6.00	4.50
	19-27			7.75	6.25	3.00	1.50	6.00	4.50
	35-59			8.25	6.75	3.50	2.00	6.50	5.00
	67-75			8.50	7.00	3.50	2.00	6.25	4.75
	83			8.50	7.00	3.50	2.00	6.25	4.75
	91			8.50	7.00	3.50	2.00	6.25	4.75
	99-107			8.25	6.75	3.00	1.50	6.00	4.50
	115			8.00	6.50	3.00	1.50	6.00	4.50
	123-179			8.00	6.50	3.25	1.75	6.00	4.50
	187			8.00	6.50	3.25	1.75	6.00	4.50
	195-219			8.00	6.50	3.25	1.75	6.00	4.50
	227			8.00	6.50	3.25	1.75	6.00	4.50
6 GHz WiFi (80MHz BW) LP	7			10.00	8.50	6.00	4.50	9.00	7.50
	23			10.00	8.50	6.00	4.50	9.00	7.50
	39-55			10.00	8.50	6.50	5.00	9.50	8.00
	71			9.75	8.25	6.50	5.00	9.25	7.75
	87			9.75	8.25	6.50	5.00	9.25	7.75
	103			9.25	7.75	6.00	4.50	9.00	7.50
	119			8.25	6.75	6.00	4.50	8.25	6.75
	135-167			8.25	6.75	6.25	4.75	8.25	6.75
	183			8.25	6.75	6.25	4.75	8.25	6.75
	199			8.25	6.75	6.25	4.75	8.25	6.75
	215			8.25	6.75	6.25	4.75	8.25	6.75
6 GHz WiFi (160MHz BW) LP	15			10.00	8.50	8.50	7.00	10.00	8.50
	47			10.00	8.50	9.00	7.50	10.00	8.50
	79			9.75	8.25	9.00	7.50	9.75	8.25
	111			9.25	7.75	8.50	7.00	9.25	7.75
	143			8.25	6.75	8.25	6.75	8.25	6.75
	175			8.25	6.75	8.25	6.75	8.25	6.75
	207			8.25	6.75	8.25	6.75	8.25	6.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 24 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 4 and 802.15.4 Ant 4 and wPT active.
- Simultaneous conditions with Licensed Band Antenna 2, 802.15.4 Ant 4, 5/6 GHz WLAN Antenna 3b and wPT active.

VLP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.25	-0.25	NS	NS	-0.50	-2.00
	65-85	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	89	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	93	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	1.00	-0.50	1.00	-0.50	NS	NS	-1.00	-2.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WiFi (40MHz BW) VLP	3			NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.25	2.75	-0.50	-2.00	2.50	1.00
	67-75			4.50	3.00	-0.50	-2.00	2.25	0.75
	83			4.50	3.00	-0.50	-2.00	2.25	0.75
	91			4.50	3.00	-0.50	-2.00	2.25	0.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			4.00	2.50	-0.75	-2.25	2.00	0.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WiFi (80MHz BW) VLP	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	2.50	1.00	5.50	4.00
	71			7.50	6.00	2.50	1.00	5.25	3.75
	87			7.50	6.00	2.50	1.00	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			7.00	5.50	2.25	0.75	5.00	3.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
	47			9.75	8.25	5.00	3.50	8.00	6.50
6 GHz WiFi (160MHz BW) VLP	79			9.75	8.25	5.00	3.50	7.75	6.25
	111			NS	NS	NS	NS	NS	NS
	143			8.25	6.75	4.75	3.25	7.50	6.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 25 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 4 and 802.15.4 Ant 4 and wPT active.
- Simultaneous conditions with Licensed Band Antenna 2, 802.15.4 Ant 4, 5/6 GHz WLAN Antenna 3b and wPT active.

SP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	5	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	9-29	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	33-61	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	65-85	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	89	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	93	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	8.25	6.75	8.25	6.75	8.25	6.75	8.25	6.75
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WiFi (40MHz BW) SP	3			10.00	8.50	10.00	8.50	10.00	8.50
	11			10.00	8.50	10.00	8.50	10.00	8.50
	19-27			10.00	8.50	10.00	8.50	10.00	8.50
	35-59			10.00	8.50	10.00	8.50	10.00	8.50
	67-75			9.75	8.25	9.75	8.25	9.75	8.25
	83			9.75	8.25	9.75	8.25	9.75	8.25
	91			9.75	8.25	9.75	8.25	9.75	8.25
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			8.25	6.75	8.25	6.75	8.25	6.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WiFi (80MHz BW) SP	7			10.00	8.50	10.00	8.50	10.00	8.50
	23			10.00	8.50	10.00	8.50	10.00	8.50
	39-55			10.00	8.50	10.00	8.50	10.00	8.50
	71			9.75	8.25	9.75	8.25	9.75	8.25
	87			9.75	8.25	9.75	8.25	9.75	8.25
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			8.25	6.75	8.25	6.75	8.25	6.75
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			10.00	8.50	10.00	8.50	10.00	8.50
	47			10.00	8.50	10.00	8.50	10.00	8.50
6 GHz WiFi (160MHz BW) SP	79			9.75	8.25	9.75	8.25	9.75	8.25
	111			NS	NS	NS	NS	NS	NS
	143			8.25	6.75	8.25	6.75	8.25	6.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 26 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 2 and 802.15.4 Ant 4 and wPT active.

LP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	5	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	9-29	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	33-61	5.25	3.75	5.25	3.75	0.50	-1.00	3.50	2.00
	65-85	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	89	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	93	5.50	4.00	5.50	4.00	0.50	-1.00	3.25	1.75
	97-113	5.25	3.75	5.25	3.75	0.00	-1.50	3.00	1.50
	117-181	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	185	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	189-225	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	229	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	233	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
6 GHz WiFi (40MHz BW) LP	3			6.00	4.50	3.00	1.50	6.00	4.50
	11			6.00	4.50	3.00	1.50	6.00	4.50
	19-27			6.00	4.50	3.00	1.50	6.00	4.50
	35-59			6.00	4.50	3.50	2.00	6.00	4.50
	67-75			5.50	4.00	3.50	2.00	5.50	4.00
	83			5.50	4.00	3.50	2.00	5.50	4.00
	91			5.50	4.00	3.50	2.00	5.50	4.00
	99-107			5.75	4.25	3.00	1.50	5.75	4.25
	115			5.50	4.00	3.00	1.50	5.50	4.00
	123-179			5.50	4.00	3.25	1.75	5.50	4.00
	187			6.25	4.75	3.25	1.75	6.00	4.50
	195-219			6.25	4.75	3.25	1.75	6.00	4.50
	227			6.25	4.75	3.25	1.75	6.00	4.50
6 GHz WiFi (80MHz BW) LP	7			6.00	4.50	6.00	4.50	6.00	4.50
	23			6.00	4.50	6.00	4.50	6.00	4.50
	39-55			6.00	4.50	6.00	4.50	6.00	4.50
	71			5.50	4.00	5.50	4.00	5.50	4.00
	87			5.50	4.00	5.50	4.00	5.50	4.00
	103			5.75	4.25	5.75	4.25	5.75	4.25
	119			5.50	4.00	5.50	4.00	5.50	4.00
	135-167			5.50	4.00	5.50	4.00	5.50	4.00
	183			6.25	4.75	6.25	4.75	6.25	4.75
	199			6.25	4.75	6.25	4.75	6.25	4.75
	215			6.25	4.75	6.25	4.75	6.25	4.75
6 GHz WiFi (160MHz BW) LP	15			6.00	4.50	6.00	4.50	6.00	4.50
	47			6.00	4.50	6.00	4.50	6.00	4.50
	79			5.50	4.00	5.50	4.00	5.50	4.00
	111			5.75	4.25	5.75	4.25	5.75	4.25
	143			5.50	4.00	5.50	4.00	5.50	4.00
	175			5.50	4.00	5.50	4.00	5.50	4.00
	207			6.25	4.75	6.25	4.75	6.25	4.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 27 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 2 and 802.15.4 Ant 4 and wPT active.

VLP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WiFi (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.25	-0.25	NS	NS	-0.50	-2.00
	65-85	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	89	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	93	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	1.00	-0.50	1.00	-0.50	NS	NS	-1.00	-2.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WiFi (40MHz BW) VLP	3			NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.25	2.75	-0.50	-2.00	2.50	1.00
	67-75			4.50	3.00	-0.50	-2.00	2.25	0.75
	83			4.50	3.00	-0.50	-2.00	2.25	0.75
	91			4.50	3.00	-0.50	-2.00	2.25	0.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			4.00	2.50	-0.75	-2.25	2.00	0.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
6 GHz WiFi (80MHz BW) VLP	23			NS	NS	NS	NS	NS	NS
	39-55			6.00	4.50	2.50	1.00	5.50	4.00
	71			5.50	4.00	2.50	1.00	5.25	3.75
	87			5.50	4.00	2.50	1.00	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			5.50	4.00	2.25	0.75	5.00	3.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
	47			6.00	4.50	5.00	3.50	6.00	4.50
	79			5.50	4.00	5.00	3.50	5.50	4.00
	111			NS	NS	NS	NS	NS	NS
6 GHz WiFi (160MHz BW) VLP	143			5.50	4.00	4.75	3.25	5.50	4.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 28 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active
- Simultaneous conditions with Licensed Band Antenna 2 and 802.15.4 Ant 4 and wPT active.

SP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	5	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	9-29	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	33-61	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	65-85	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	89	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	93	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3			6.00	4.50	6.00	4.50	6.00	4.50
	11			6.00	4.50	6.00	4.50	6.00	4.50
	19-27			6.00	4.50	6.00	4.50	6.00	4.50
	35-59			6.00	4.50	6.00	4.50	6.00	4.50
	67-75			5.50	4.00	5.50	4.00	5.50	4.00
	83			5.50	4.00	5.50	4.00	5.50	4.00
	91			5.50	4.00	5.50	4.00	5.50	4.00
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			5.50	4.00	5.50	4.00	5.50	4.00
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) SP	7			6.00	4.50	6.00	4.50	6.00	4.50
	23			6.00	4.50	6.00	4.50	6.00	4.50
	39-55			6.00	4.50	6.00	4.50	6.00	4.50
	71			5.50	4.00	5.50	4.00	5.50	4.00
	87			5.50	4.00	5.50	4.00	5.50	4.00
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			5.50	4.00	5.50	4.00	5.50	4.00
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	15			6.00	4.50	6.00	4.50	6.00	4.50
	47			6.00	4.50	6.00	4.50	6.00	4.50
	79			5.50	4.00	5.50	4.00	5.50	4.00
	111			NS	NS	NS	NS	NS	NS
	143			5.50	4.00	5.50	4.00	5.50	4.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 29 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

LP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	5	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	9-29	4.75	3.25	4.75	3.25	0.00	-1.50	3.00	1.50
	33-61	5.00	3.50	5.00	3.50	0.50	-1.00	3.50	2.00
	65-85	5.25	3.75	5.25	3.75	0.50	-1.00	3.25	1.75
	89	5.25	3.75	5.25	3.75	0.50	-1.00	3.25	1.75
	93	5.25	3.75	5.25	3.75	0.50	-1.00	3.25	1.75
	97-113	5.25	3.75	5.25	3.75	0.00	-1.50	3.00	1.50
	117-181	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	185	5.00	3.50	5.00	3.50	0.25	-1.25	3.00	1.50
	189-225	4.50	3.00	4.50	3.00	0.25	-1.25	3.00	1.50
	229	4.50	3.00	4.50	3.00	0.25	-1.25	3.00	1.50
	233	4.50	3.00	4.50	3.00	0.25	-1.25	3.00	1.50
6 GHz WIFI (40MHz BW) LP	3			5.00	3.50	3.00	1.50	5.00	3.50
	11			5.00	3.50	3.00	1.50	5.00	3.50
	19-27			5.00	3.50	3.00	1.50	5.00	3.50
	35-59			5.00	3.50	3.50	2.00	5.00	3.50
	67-75			5.25	3.75	3.50	2.00	5.25	3.75
	83			5.25	3.75	3.50	2.00	5.25	3.75
	91			5.25	3.75	3.50	2.00	5.25	3.75
	99-107			5.50	4.00	3.00	1.50	5.50	4.00
	115			5.50	4.00	3.00	1.50	5.50	4.00
	123-179			5.50	4.00	3.25	1.75	5.50	4.00
	187			4.50	3.00	3.25	1.75	4.50	3.00
	195-219			4.50	3.00	3.25	1.75	4.50	3.00
	227			4.50	3.00	3.25	1.75	4.50	3.00
	7			5.00	3.50	5.00	3.50	5.00	3.50
6 GHz WIFI (80MHz BW) LP	23			5.00	3.50	5.00	3.50	5.00	3.50
	39-55			5.00	3.50	5.00	3.50	5.00	3.50
	71			5.25	3.75	5.25	3.75	5.25	3.75
	87			5.25	3.75	5.25	3.75	5.25	3.75
	103			5.50	4.00	5.50	4.00	5.50	4.00
	119			5.50	4.00	5.50	4.00	5.50	4.00
	135-167			5.50	4.00	5.50	4.00	5.50	4.00
	183			4.50	3.00	4.50	3.00	4.50	3.00
	199			4.50	3.00	4.50	3.00	4.50	3.00
	215			4.50	3.00	4.50	3.00	4.50	3.00
6 GHz WIFI (160MHz BW) LP	15			5.00	3.50	5.00	3.50	5.00	3.50
	47			5.00	3.50	5.00	3.50	5.00	3.50
	79			5.25	3.75	5.25	3.75	5.25	3.75
	111			5.50	4.00	5.50	4.00	5.50	4.00
	143			5.50	4.00	5.50	4.00	5.50	4.00
	175			5.50	4.00	5.50	4.00	5.50	4.00
	207			4.50	3.00	4.50	3.00	4.50	3.00

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 30 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

VLP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.25	-0.25	NS	NS	-0.50	-2.00
	65-85	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	89	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	93	1.50	0.00	1.50	0.00	NS	NS	-0.75	-2.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	1.00	-0.50	1.00	-0.50	NS	NS	-1.00	-2.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) VLP	3			NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.25	2.75	-0.50	-2.00	2.50	1.00
	67-75			4.50	3.00	-0.50	-2.00	2.25	0.75
	83			4.50	3.00	-0.50	-2.00	2.25	0.75
	91			4.50	3.00	-0.50	-2.00	2.25	0.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			4.00	2.50	-0.75	-2.25	2.00	0.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) VLP	23			NS	NS	NS	NS	NS	NS
	39-55			5.00	3.50	2.50	1.00	5.00	3.50
	71			5.25	3.75	2.50	1.00	5.25	3.75
	87			5.25	3.75	2.50	1.00	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			5.50	4.00	2.25	0.75	5.00	3.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) VLP	47			5.00	3.50	5.00	3.50	5.00	3.50
	79			5.25	3.75	5.00	3.50	5.25	3.75
	111			NS	NS	NS	NS	NS	NS
	143			5.50	4.00	4.75	3.25	5.50	4.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 31 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2 active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

SP Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO				MIMO			
		a (Maximum)	a (Nominal)	ax (SU) (Maximum)	ax (SU) (Nominal)	ax (SU) CDD (Maximum)	ax (SU) CDD (Nominal)	ax (SU) SDM (Maximum)	ax (SU) SDM (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	5	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	9-29	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	33-61	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	65-85	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	89	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	93	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	5.50	4.00	5.50	4.00	5.50	4.00	5.50	4.00
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3			5.00	3.50	5.00	3.50	5.00	3.50
	11			5.00	3.50	5.00	3.50	5.00	3.50
	19-27			5.00	3.50	5.00	3.50	5.00	3.50
	35-59			5.00	3.50	5.00	3.50	5.00	3.50
	67-75			5.25	3.75	5.25	3.75	5.25	3.75
	83			5.25	3.75	5.25	3.75	5.25	3.75
	91			5.25	3.75	5.25	3.75	5.25	3.75
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			5.50	4.00	5.50	4.00	5.50	4.00
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			5.00	3.50	5.00	3.50	5.00	3.50
6 GHz WIFI (80MHz BW) SP	23			5.00	3.50	5.00	3.50	5.00	3.50
	39-55			5.00	3.50	5.00	3.50	5.00	3.50
	71			5.25	3.75	5.25	3.75	5.25	3.75
	87			5.25	3.75	5.25	3.75	5.25	3.75
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			5.50	4.00	5.50	4.00	5.50	4.00
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	15			5.00	3.50	5.00	3.50	5.00	3.50
	47			5.00	3.50	5.00	3.50	5.00	3.50
	79			5.25	3.75	5.25	3.75	5.25	3.75
	111			NS	NS	NS	NS	NS	NS
	143			5.50	4.00	5.50	4.00	5.50	4.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 32 of 387

REV 24.0
05/01/2024

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1.7 Bluetooth Maximum Output Power

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	11.50	10.50
	Nominal	10.00	9.00
Bluetooth EDR	Maximum	11.50	5.50
	Nominal	10.00	4.00
Bluetooth LE	Maximum	11.50	10.50
	Nominal	10.00	9.00
Bluetooth HDR4	Maximum	11.50	4.00
	Nominal	10.00	2.50
Bluetooth HDR8	Maximum	11.50	4.00
	Nominal	10.00	2.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	11.50	10.50
	Nominal	10.00	9.00
Bluetooth EDR	Maximum	11.50	5.50
	Nominal	10.00	4.00
Bluetooth LE	Maximum	11.50	10.50
	Nominal	10.00	9.00
Bluetooth HDR4	Maximum	11.50	4.00
	Nominal	10.00	2.50
Bluetooth HDR8	Maximum	11.50	4.00
	Nominal	10.00	2.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 33 of 387

REV 24.0
05/01/2024

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Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	12.50	11.50
	Nominal	11.00	10.00
Bluetooth EDR	Maximum	12.50	7.00
	Nominal	11.00	5.50
Bluetooth LE	Maximum	12.50	11.50
	Nominal	11.00	10.00
Bluetooth HDR4	Maximum	12.50	5.00
	Nominal	11.00	3.50
Bluetooth HDR8	Maximum	12.50	5.00
	Nominal	11.00	3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	12.50	11.50
	Nominal	11.00	10.00
Bluetooth EDR	Maximum	12.50	7.00
	Nominal	11.00	5.50
Bluetooth LE	Maximum	12.50	11.50
	Nominal	11.00	10.00
Bluetooth HDR4	Maximum	12.50	5.00
	Nominal	11.00	3.50
Bluetooth HDR8	Maximum	12.50	5.00
	Nominal	11.00	3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 34 of 387

REV 24.0
05/01/2024

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Mode / Band		Modulated Average (iPA) Single Tx Chain (dBm) Antenna 4
Bluetooth BDR	Maximum	9.50
	Nominal	8.00
Bluetooth EDR	Maximum	5.00
	Nominal	3.50
Bluetooth LE	Maximum	9.50
	Nominal	8.00
Bluetooth HDR4	Maximum	3.00
	Nominal	1.50
Bluetooth HDR8	Maximum	3.00
	Nominal	1.50

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 35 of 387

REV 24.0
05/01/2024

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1.8 Bluetooth Reduced Output Power

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	8.00	8.00
	Nominal	6.50	6.50
Bluetooth EDR	Maximum	8.00	5.50
	Nominal	6.50	4.00
Bluetooth LE	Maximum	8.00	8.00
	Nominal	6.50	6.50
Bluetooth HDR4	Maximum	8.00	4.00
	Nominal	6.50	2.50
Bluetooth HDR8	Maximum	8.00	4.00
	Nominal	6.50	2.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	8.00	8.00
	Nominal	6.50	6.50
Bluetooth EDR	Maximum	8.00	5.50
	Nominal	6.50	4.00
Bluetooth LE	Maximum	8.00	8.00
	Nominal	6.50	6.50
Bluetooth HDR4	Maximum	8.00	4.00
	Nominal	6.50	2.50
Bluetooth HDR8	Maximum	8.00	4.00
	Nominal	6.50	2.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 36 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with 5/6 GHz WLAN Antenna 5T/3b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 3a/3b, Bluetooth Antenna 1a and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	6.50	6.50
	Nominal	5.00	5.00
Bluetooth EDR	Maximum	6.50	5.50
	Nominal	5.00	4.00
Bluetooth LE	Maximum	6.50	6.50
	Nominal	5.00	5.00
Bluetooth HDR4	Maximum	6.50	4.00
	Nominal	5.00	2.50
Bluetooth HDR8	Maximum	6.50	4.00
	Nominal	5.00	2.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	6.50	6.50
	Nominal	5.00	5.00
Bluetooth EDR	Maximum	6.50	5.50
	Nominal	5.00	4.00
Bluetooth LE	Maximum	6.50	6.50
	Nominal	5.00	5.00
Bluetooth HDR4	Maximum	6.50	4.00
	Nominal	5.00	2.50
Bluetooth HDR8	Maximum	6.50	4.00
	Nominal	5.00	2.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 37 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 5/6 GHz WLAN Antenna 5T/3b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 3a, 5/6 GHz WLAN Antenna 1b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	6.00	6.00
	Nominal	4.50	4.50
Bluetooth EDR	Maximum	6.00	5.50
	Nominal	4.50	4.00
Bluetooth LE	Maximum	6.00	6.00
	Nominal	4.50	4.50
Bluetooth HDR4	Maximum	6.00	4.00
	Nominal	4.50	2.50
Bluetooth HDR8	Maximum	6.00	4.00
	Nominal	4.50	2.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	6.00	6.00
	Nominal	4.50	4.50
Bluetooth EDR	Maximum	6.00	5.50
	Nominal	4.50	4.00
Bluetooth LE	Maximum	6.00	6.00
	Nominal	4.50	4.50
Bluetooth HDR4	Maximum	6.00	4.00
	Nominal	4.50	2.50
Bluetooth HDR8	Maximum	6.00	4.00
	Nominal	4.50	2.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 38 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3b, 5/6 GHz WLAN and wPT active
- Simultaneous conditions with Licensed Bands Antenna 4, 5/6 GHz WLAN Antenna 5T/3b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	5.00	5.00
	Nominal	3.50	3.50
Bluetooth EDR	Maximum	5.00	5.00
	Nominal	3.50	3.50
Bluetooth LE	Maximum	5.00	5.00
	Nominal	3.50	3.50
Bluetooth HDR4	Maximum	5.00	4.00
	Nominal	3.50	2.50
Bluetooth HDR8	Maximum	5.00	4.00
	Nominal	3.50	2.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	5.00	5.00
	Nominal	3.50	3.50
Bluetooth EDR	Maximum	5.00	5.00
	Nominal	3.50	3.50
Bluetooth LE	Maximum	5.00	5.00
	Nominal	3.50	3.50
Bluetooth HDR4	Maximum	5.00	4.00
	Nominal	3.50	2.50
Bluetooth HDR8	Maximum	5.00	4.00
	Nominal	3.50	2.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 39 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a, 5/6 GHz WLAN Antenna 5T/3b and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth EDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth LE	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth HDR4	Maximum	4.50	4.00
	Nominal	3.00	2.50
Bluetooth HDR8	Maximum	4.50	4.00
	Nominal	3.00	2.50
Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth EDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth LE	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth HDR4	Maximum	4.50	4.00
	Nominal	3.00	2.50
Bluetooth HDR8	Maximum	4.50	4.00
	Nominal	3.00	2.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 40 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	9.00	9.00
	Nominal	7.50	7.50
Bluetooth EDR	Maximum	9.00	7.00
	Nominal	7.50	5.50
Bluetooth LE	Maximum	9.00	9.00
	Nominal	7.50	7.50
Bluetooth HDR4	Maximum	9.00	5.00
	Nominal	7.50	3.50
Bluetooth HDR8	Maximum	9.00	5.00
	Nominal	7.50	3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	9.00	9.00
	Nominal	7.50	7.50
Bluetooth EDR	Maximum	9.00	7.00
	Nominal	7.50	5.50
Bluetooth LE	Maximum	9.00	9.00
	Nominal	7.50	7.50
Bluetooth HDR4	Maximum	9.00	5.00
	Nominal	7.50	3.50
Bluetooth HDR8	Maximum	9.00	5.00
	Nominal	7.50	3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 41 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with 5/6 GHz WLAN Antenna 1b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 1a/1b, Bluetooth/2.4 GHz WLAN Antenna 3a and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	7.50	7.50
	Nominal	6.00	6.00
Bluetooth EDR	Maximum	7.50	7.00
	Nominal	6.00	5.50
Bluetooth LE	Maximum	7.50	7.50
	Nominal	6.00	6.00
Bluetooth HDR4	Maximum	7.50	5.00
	Nominal	6.00	3.50
Bluetooth HDR8	Maximum	7.50	5.00
	Nominal	6.00	3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	7.50	7.50
	Nominal	6.00	6.00
Bluetooth EDR	Maximum	7.50	7.00
	Nominal	6.00	5.50
Bluetooth LE	Maximum	7.50	7.50
	Nominal	6.00	6.00
Bluetooth HDR4	Maximum	7.50	5.00
	Nominal	6.00	3.50
Bluetooth HDR8	Maximum	7.50	5.00
	Nominal	6.00	3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 42 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b, 5/6 GHz WLAN Antenna 5T/3b and WPT active
- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4, 5/6 GHz WLAN Antenna 1b and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	7.00	7.00
	Nominal	5.50	5.50
Bluetooth EDR	Maximum	7.00	7.00
	Nominal	5.50	5.50
Bluetooth LE	Maximum	7.00	7.00
	Nominal	5.50	5.50
Bluetooth HDR4	Maximum	7.00	5.00
	Nominal	5.50	3.50
Bluetooth HDR8	Maximum	7.00	5.00
	Nominal	5.50	3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	7.00	7.00
	Nominal	5.50	5.50
Bluetooth EDR	Maximum	7.00	7.00
	Nominal	5.50	5.50
Bluetooth LE	Maximum	7.00	7.00
	Nominal	5.50	5.50
Bluetooth HDR4	Maximum	7.00	5.00
	Nominal	5.50	3.50
Bluetooth HDR8	Maximum	7.00	5.00
	Nominal	5.50	3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 43 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 5/6 GHz WLAN Antenna 1b and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth EDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth LE	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth HDR4	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth HDR8	Maximum	4.50	4.50
	Nominal	3.00	3.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth EDR	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth LE	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth HDR4	Maximum	4.50	4.50
	Nominal	3.00	3.00
Bluetooth HDR8	Maximum	4.50	4.50
	Nominal	3.00	3.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 44 of 387

REV 24.0
05/01/2024

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1.9 802.15.4 Maximum Output Power

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	12.50	10.50
	Nominal	11.00	9.00

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	13.50	11.50
	Nominal	12.00	10.00

Mode / Band		Modulated Average (iPA) Single Tx Chain (dBm) Antenna 4
802.15.4	Maximum	9.50
	Nominal	8.00

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 45 of 387

REV 24.0
05/01/2024

1.10 802.15.4 Reduced Output Power

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	9.00	9.00
	Nominal	7.50	7.50

Below table is applicable for the following conditions:

- Simultaneous conditions with 5/6 GHz WLAN Antenna 5T/3b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	7.50	7.50
	Nominal	6.00	6.00

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 5/6 GHz WLAN Antenna 5T/3b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 3a, 5/6 GHz WLAN Antenna 1b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	7.00	7.00
	Nominal	5.50	5.50

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 46 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3b, 5/6 GHz WLAN and wPT active
- Simultaneous conditions with Licensed Bands Antenna 4, 5/6 GHz WLAN Antenna 5T/3b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	6.00	6.00
	Nominal	4.50	4.50

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a, 5/6 GHz WLAN Antenna 5T/3b and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	5.50	5.50
	Nominal	4.00	4.00

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	10.00	10.00
	Nominal	8.50	8.50

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with 5/6 GHz WLAN Ant 1b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	8.50	8.50
	Nominal	7.00	7.00

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 47 of 387

REV 24.0
05/01/2024

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b, 5/6 GHz WLAN Antenna 5T/3b and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 5/6 GHz WLAN Ant 1b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	8.00	8.00
	Nominal	6.50	6.50

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 5/6 GHz WLAN Antenna 1b and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	5.50	5.50
	Nominal	4.00	4.00

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4, 5/6 GHz WLAN and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 4	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 4
802.15.4	Maximum	8.50	8.50
	Nominal	7.00	7.00

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 48 of 387

REV 24.0
05/01/2024

1.11 NB UNII Maximum Output Power

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	10.00	3.50
	Nominal	8.50	2.00
NB UNII-1 HDR4	Maximum	12.50	-2.00
	Nominal	11.00	-3.50
NB UNII-1 HDR8	Maximum	12.50	-2.00
	Nominal	11.00	-3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	6.00	3.50
	Nominal	4.50	2.00
NB UNII-1 HDR4	Maximum	8.50	-2.00
	Nominal	7.00	-3.50
NB UNII-1 HDR8	Maximum	11.00	-2.00
	Nominal	9.50	-3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 49 of 387

REV 24.0
05/01/2024

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Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	13.50	5.00
	Nominal	12.00	3.50
NB UNII-3 HDR4	Maximum	13.50	-1.50
	Nominal	12.00	-3.00
NB UNII-3 HDR8	Maximum	13.50	-1.50
	Nominal	12.00	-3.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	13.50	5.00
	Nominal	12.00	3.50
NB UNII-3 HDR4	Maximum	13.50	-1.50
	Nominal	12.00	-3.00
NB UNII-3 HDR8	Maximum	13.50	-1.50
	Nominal	12.00	-3.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 50 of 387

REV 24.0
05/01/2024

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Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	10.00	2.50
	Nominal	8.50	1.00
NB UNII-1 HDR4	Maximum	11.50	-3.50
	Nominal	10.00	-5.00
NB UNII-1 HDR8	Maximum	11.50	-3.50
	Nominal	10.00	-5.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	6.00	2.50
	Nominal	4.50	1.00
NB UNII-1 HDR4	Maximum	8.50	-3.50
	Nominal	7.00	-5.00
NB UNII-1 HDR8	Maximum	11.00	-3.50
	Nominal	9.50	-5.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 51 of 387

REV 24.0
05/01/2024

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Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	12.50	4.00
	Nominal	11.00	2.50
NB UNII-3 HDR4	Maximum	12.50	-2.50
	Nominal	11.00	-4.00
NB UNII-3 HDR8	Maximum	12.50	-2.50
	Nominal	11.00	-4.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	12.50	4.00
	Nominal	11.00	2.50
NB UNII-3 HDR4	Maximum	12.50	-2.50
	Nominal	11.00	-4.00
NB UNII-3 HDR8	Maximum	12.50	-2.50
	Nominal	11.00	-4.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	10.00	0.50
	Nominal	8.50	-1.00
NB UNII-1 HDR4	Maximum	10.00	-5.00
	Nominal	8.50	-6.50
NB UNII-1 HDR8	Maximum	10.00	-5.00
	Nominal	8.50	-6.50

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	11.00	2.00
	Nominal	9.50	0.50
NB UNII-3 HDR4	Maximum	11.00	-4.00
	Nominal	9.50	-5.50
NB UNII-3 HDR8	Maximum	11.00	-4.00
	Nominal	9.50	-5.50

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 52 of 387

REV 24.0
05/01/2024

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1.12 NB UNII Reduced Output Power

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and WPT active
- Simultaneous conditions with 2.4 GHz WLAN Antenna 3a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	10.00	3.50
	Nominal	8.50	2.00
NB UNII-1 HDR4	Maximum	11.50	-2.00
	Nominal	10.00	-3.50
NB UNII-1 HDR8	Maximum	11.50	-2.00
	Nominal	10.00	-3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	6.00	3.50
	Nominal	4.50	2.00
NB UNII-1 HDR4	Maximum	8.50	-2.00
	Nominal	7.00	-3.50
NB UNII-1 HDR8	Maximum	11.00	-2.00
	Nominal	9.50	-3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 53 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b, 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	10.00	3.50
	Nominal	8.50	2.00
NB UNII-1 HDR4	Maximum	11.00	-2.00
	Nominal	9.50	-3.50
NB UNII-1 HDR8	Maximum	11.00	-2.00
	Nominal	9.50	-3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	6.00	3.50
	Nominal	4.50	2.00
NB UNII-1 HDR4	Maximum	8.50	-2.00
	Nominal	7.00	-3.50
NB UNII-1 HDR8	Maximum	11.00	-2.00
	Nominal	9.50	-3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 54 of 387

REV 24.0
05/01/2024

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN, NB UNII Antenna 3b and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	9.50	3.50
	Nominal	8.00	2.00
NB UNII-1 HDR4	Maximum	9.50	-2.00
	Nominal	8.00	-3.50
NB UNII-1 HDR8	Maximum	9.50	-2.00
	Nominal	8.00	-3.50

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-1 BDR	Maximum	6.00	3.50
	Nominal	4.50	2.00
NB UNII-1 HDR4	Maximum	8.50	-2.00
	Nominal	7.00	-3.50
NB UNII-1 HDR8	Maximum	9.50	-2.00
	Nominal	8.00	-3.50

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 55 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4 and WPT active
- Simultaneous conditions with 2.4 GHz WLAN Antenna 3a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	6.50	2.50
	Nominal	5.00	1.00
NB UNII-1 HDR4	Maximum	6.50	-3.50
	Nominal	5.00	-5.00
NB UNII-1 HDR8	Maximum	6.50	-3.50
	Nominal	5.00	-5.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	6.00	2.50
	Nominal	4.50	1.00
NB UNII-1 HDR4	Maximum	6.50	-3.50
	Nominal	5.00	-5.00
NB UNII-1 HDR8	Maximum	6.50	-3.50
	Nominal	5.00	-5.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 56 of 387

REV 24.0
05/01/2024

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	6.00	2.50
	Nominal	4.50	1.00
NB UNII-1 HDR4	Maximum	6.00	-3.50
	Nominal	4.50	-5.00
NB UNII-1 HDR8	Maximum	6.00	-3.50
	Nominal	4.50	-5.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	6.00	2.50
	Nominal	4.50	1.00
NB UNII-1 HDR4	Maximum	6.00	-3.50
	Nominal	4.50	-5.00
NB UNII-1 HDR8	Maximum	6.00	-3.50
	Nominal	4.50	-5.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 57 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN, NB UNII Antenna WF5T and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	4.50	2.50
	Nominal	3.00	1.00
NB UNII-1 HDR4	Maximum	4.50	-3.50
	Nominal	3.00	-5.00
NB UNII-1 HDR8	Maximum	4.50	-3.50
	Nominal	3.00	-5.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	4.50	2.50
	Nominal	3.00	1.00
NB UNII-1 HDR4	Maximum	4.50	-3.50
	Nominal	3.00	-5.00
NB UNII-1 HDR8	Maximum	4.50	-3.50
	Nominal	3.00	-5.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 58 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2 and WPT active
- Simultaneous conditions with 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	5.50	0.50
	Nominal	4.00	-1.00
NB UNII-1 HDR4	Maximum	5.50	-5.00
	Nominal	4.00	-6.50
NB UNII-1 HDR8	Maximum	5.50	-5.00
	Nominal	4.00	-6.50

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	5.00	0.50
	Nominal	3.50	-1.00
NB UNII-1 HDR4	Maximum	5.00	-5.00
	Nominal	3.50	-6.50
NB UNII-1 HDR8	Maximum	5.00	-5.00
	Nominal	3.50	-6.50

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN Antenna 1a and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	2.50	0.50
	Nominal	1.00	-1.00
NB UNII-1 HDR4	Maximum	2.50	-5.00
	Nominal	1.00	-6.50
NB UNII-1 HDR8	Maximum	2.50	-5.00
	Nominal	1.00	-6.50

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 59 of 387

REV 24.0
05/01/2024

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and wPT active
- Simultaneous conditions with 2.4 GHz WLAN Antenna 3a and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	10.50	5.00
	Nominal	9.00	3.50
NB UNII-3 HDR4	Maximum	10.50	-1.50
	Nominal	9.00	-3.00
NB UNII-3 HDR8	Maximum	10.50	-1.50
	Nominal	9.00	-3.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	10.50	5.00
	Nominal	9.00	3.50
NB UNII-3 HDR4	Maximum	10.50	-1.50
	Nominal	9.00	-3.00
NB UNII-3 HDR8	Maximum	10.50	-1.50
	Nominal	9.00	-3.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 60 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b, 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	10.00	5.00
	Nominal	8.50	3.50
NB UNII-3 HDR4	Maximum	10.00	-1.50
	Nominal	8.50	-3.00
NB UNII-3 HDR8	Maximum	10.00	-1.50
	Nominal	8.50	-3.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	10.00	5.00
	Nominal	8.50	3.50
NB UNII-3 HDR4	Maximum	10.00	-1.50
	Nominal	8.50	-3.00
NB UNII-3 HDR8	Maximum	10.00	-1.50
	Nominal	8.50	-3.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 61 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN, NB UNII Antenna 3b and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna WF5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	8.50	5.00
	Nominal	7.00	3.50
NB UNII-3 HDR4	Maximum	8.50	-1.50
	Nominal	7.00	-3.00
NB UNII-3 HDR8	Maximum	8.50	-1.50
	Nominal	7.00	-3.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna WF5T	Modulated Average (iPA) TXBF (dBm) Antenna WF5T
NB UNII-3 BDR	Maximum	8.50	5.00
	Nominal	7.00	3.50
NB UNII-3 HDR4	Maximum	8.50	-1.50
	Nominal	7.00	-3.00
NB UNII-3 HDR8	Maximum	8.50	-1.50
	Nominal	7.00	-3.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 62 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4 and wPT active
- Simultaneous conditions with 2.4 GHz WLAN Antenna 3a and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	8.50	4.00
	Nominal	7.00	2.50
NB UNII-3 HDR4	Maximum	8.50	-2.50
	Nominal	7.00	-4.00
NB UNII-3 HDR8	Maximum	8.50	-2.50
	Nominal	7.00	-4.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	8.50	4.00
	Nominal	7.00	2.50
NB UNII-3 HDR4	Maximum	8.50	-2.50
	Nominal	7.00	-4.00
NB UNII-3 HDR8	Maximum	8.50	-2.50
	Nominal	7.00	-4.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 63 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN and wPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN Antenna 1a and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	8.00	4.00
	Nominal	6.50	2.50
NB UNII-3 HDR4	Maximum	8.00	-2.50
	Nominal	6.50	-4.00
NB UNII-3 HDR8	Maximum	8.00	-2.50
	Nominal	6.50	-4.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	8.00	4.00
	Nominal	6.50	2.50
NB UNII-3 HDR4	Maximum	8.00	-2.50
	Nominal	6.50	-4.00
NB UNII-3 HDR8	Maximum	8.00	-2.50
	Nominal	6.50	-4.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 64 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b/4, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN, NB UNII Antenna WF5T and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	6.50	4.00
	Nominal	5.00	2.50
NB UNII-3 HDR4	Maximum	6.50	-2.50
	Nominal	5.00	-4.00
NB UNII-3 HDR8	Maximum	6.50	-2.50
	Nominal	5.00	-4.00

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	6.50	4.00
	Nominal	5.00	2.50
NB UNII-3 HDR4	Maximum	6.50	-2.50
	Nominal	5.00	-4.00
NB UNII-3 HDR8	Maximum	6.50	-2.50
	Nominal	5.00	-4.00

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 65 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2 and WPT active
- Simultaneous conditions with 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	7.00	2.00
	Nominal	5.50	0.50
NB UNII-3 HDR4	Maximum	7.00	-4.00
	Nominal	5.50	-5.50
NB UNII-3 HDR8	Maximum	7.00	-4.00
	Nominal	5.50	-5.50

Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN Antenna 3a and WPT active
- Simultaneous conditions with Licensed Bands 3a/3b/4, 2.4 GHz WLAN Antenna 1a and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	6.50	2.00
	Nominal	5.00	0.50
NB UNII-3 HDR4	Maximum	6.50	-4.00
	Nominal	5.00	-5.50
NB UNII-3 HDR8	Maximum	6.50	-4.00
	Nominal	5.00	-5.50

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 66 of 387

REV 24.0
05/01/2024

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Below table is applicable for the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2, 2.4 GHz WLAN Antenna 1a and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	4.00	2.00
	Nominal	2.50	0.50
NB UNII-3 HDR4	Maximum	4.00	-4.00
	Nominal	2.50	-5.50
NB UNII-3 HDR8	Maximum	4.00	-4.00
	Nominal	2.50	-5.50

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 67 of 387

REV 24.0
05/01/2024

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1.13 DUT Antenna Locations

The overall diagonal dimension of the device is > 200 mm. A diagram showing the location of the device antennas can be found in DUT Antenna Diagram & SAR Test Setup Photographs Appendix. Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC filings.

Note: Per FCC KDB Publication 616217 D04v01r01, front side of the device is not required to be evaluated for SAR. All other edges were evaluated for simultaneous transmission analysis.

1.14 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D04v01, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D04v01 procedures.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 68 of 387

REV 24.0
05/01/2024

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Table 1-6
Simultaneous Transmission Scenarios

No.	Capable Transmit Configuration	Body
1	2.4 GHz WI-FI MIMO + WPT	Yes
2	5/6 GHz WI-FI MIMO + WPT	Yes
3	2.4 GHz Bluetooth (TXBF) + WPT	Yes
4	NB UNII (TXBF) + WPT	Yes
5	Cellular Band + 2.4 GHz WI-FI + WPT	Yes
6	Cellular Band + 5/6 GHz WI-FI + WPT	Yes
7	Cellular Band + 2.4 GHz Bluetooth + WPT	Yes
8	Cellular Band + 802.15.4 + WPT	Yes
9	Cellular Band + 2.4 GHz WI-FI MIMO + WPT	Yes
10	Cellular Band + 5/6 GHz WI-FI MIMO + WPT	Yes
11	Cellular Band + 2.4 GHz Bluetooth + 5/6 GHz WI-FI + WPT	Yes
12	Cellular Band + 802.15.4 + 5/6 GHz WI-FI + WPT	Yes
13	Cellular Band + 2.4 GHz Bluetooth + 5/6 GHz WI-FI MIMO + WPT	Yes
14	Cellular Band + 802.15.4 + 5/6 GHz WI-FI MIMO + WPT	Yes
15	2.4 GHz Bluetooth + 5/6 GHz WI-FI + WPT	Yes
16	802.15.4 + 5/6 GHz WI-FI + WPT	Yes
17	2.4 GHz Bluetooth + 5/6 GHz WI-FI MIMO + WPT	Yes
18	802.15.4 + 5/6 GHz WI-FI MIMO + WPT	Yes
19	Cellular Band + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI + WPT	Yes
20	Cellular Band + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI MIMO + WPT	Yes
21	2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI + WPT	Yes
22	2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI MIMO + WPT	Yes
23	Cellular Band + NB UNII + WPT	Yes
24	Cellular Band + NB UNII+ 2.4 GHz WI-FI + WPT	Yes
25	Cellular Band + NB UNII+ 2.4 GHz WI-FI MIMO + WPT	Yes
26	NB UNII + 2.4 GHz WI-FI + WPT	Yes
27	NB UNII + 2.4 GHz WI-FI MIMO + WPT	Yes
28	Cellular Band + NB UNII (TXBF) + 2.4 GHz WI-FI + WPT	Yes
29	Cellular Band + NB UNII (TXBF) + 2.4 GHz WI-FI MIMO + WPT	Yes
30	Cellular Band + NB UNII (TXBF) + WPT	Yes
31	Cellular Band + 2.4 GHz Bluetooth (TXBF) + WPT	Yes
32	Cellular Band + 2.4 GHz WI-FI Antenna 3a + 2.4 GHz Bluetooth Antenna 1a + WPT	Yes
33	Cellular Band + 2.4 GHz WI-FI Antenna 3a + 802.15.4 Antenna 1a + WPT	Yes
34	2.4 GHz WI-FI Antenna 3a + 2.4 GHz Bluetooth Antenna 1a + WPT	Yes
35	2.4 GHz WI-FI Antenna 3a + 802.15.4 Antenna 1a + WPT	Yes
36	Cellular Band + 2.4 GHz WI-FI Antenna 3a + 2.4 GHz Dedicated Bluetooth Antenna 4 + WPT	Yes
37	Cellular Band + 2.4 GHz WI-FI Antenna 3a + 802.15.4 Dedicated Antenna 4 + WPT	Yes
38	Cellular Band + 802.15.4 Dedicated Antenna 4 + 5/6 GHz WI-FI MIMO + WPT	Yes

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 69 of 387

REV 24.0
05/01/2024

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Table 1-7
Simultaneous Transmission Scenarios of Inter-Band ULCA

No.	Capable Transmit Configuration	Body	Notes
1	Cellular Ant 2 LB + Cellular Ant 1b MB/HB	Yes	LTE Bands transmitting from Ant 2 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 1b MB/HB: LTE B2/4/7/30/66
2	Cellular Ant 2 LB + Cellular Ant 3b MB/HB	Yes	LTE Bands transmitting from Ant 2 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 3b MB/HB: LTE B2/4/7/30/66
3	Cellular Ant 2 LB + Cellular Ant 4 MB/HB	Yes	LTE Bands transmitting from Ant 2 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 4 MB/HB: LTE B2/4/7/30/66
4	Cellular Ant 4 LB + Cellular Ant 1b MB/HB	Yes	LTE Bands transmitting from Ant 4 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 1b MB/HB: LTE B2/4/7/30/66
5	Cellular Ant 4 LB + Cellular Ant 2 MB/HB	Yes	LTE Bands transmitting from Ant 4 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 2 MB/HB: LTE B2/4/7/30/66
6	Cellular Ant 4 LB + Cellular Ant 3b MB/HB	Yes	LTE Bands transmitting from Ant 4 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 3b MB/HB: LTE B2/4/7/30/66

Note: The technical description includes all the possible Inter-band ULCA combinations.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 70 of 387

REV 24.0
05/01/2024

Table 1-8
Simultaneous Transmission Scenarios with Inter-Band ULCA Active

No.	Capable Transmit Configuration	Body
1	LTE Inter-Band ULCA + 2.4 GHz Wi-Fi + WPT	Yes
2	LTE Inter-Band ULCA + 5/6 GHz Wi-Fi + WPT	Yes
3	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + WPT	Yes
4	LTE Inter-Band ULCA + 802.15.4 + WPT	Yes
5	LTE Inter-Band ULCA + 2.4 GHz Wi-Fi MIMO + WPT	Yes
6	LTE Inter-Band ULCA + 5/6 GHz Wi-Fi MIMO + WPT	Yes
7	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5/6 GHz Wi-Fi + WPT	Yes
8	LTE Inter-Band ULCA + 802.15.4 + 5/6 GHz Wi-Fi + WPT	Yes
9	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5/6 GHz Wi-Fi MIMO + WPT	Yes
10	LTE Inter-Band ULCA + 802.15.4 + 5/6 GHz Wi-Fi MIMO + WPT	Yes
11	LTE Inter-Band ULCA + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz Wi-Fi + WPT	Yes
12	LTE Inter-Band ULCA + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz Wi-Fi MIMO + WPT	Yes
13	LTE Inter-Band ULCA + NB UNII + WPT	Yes
14	LTE Inter-Band ULCA + NB UNII+ 2.4 GHz Wi-Fi + WPT	Yes
15	LTE Inter-Band ULCA + NB UNII+ 2.4 GHz Wi-Fi MIMO + WPT	Yes
16	LTE Inter-Band ULCA + NB UNII (TXBF) + 2.4 GHz Wi-Fi + WPT	Yes
17	LTE Inter-Band ULCA + NB UNII (TXBF) + 2.4 GHz Wi-Fi MIMO + WPT	Yes
18	LTE Inter-Band ULCA + NB UNII (TXBF) + WPT	Yes
19	LTE Inter-Band ULCA + 2.4 GHz Bluetooth (TXBF) + WPT	Yes
20	LTE Inter-Band ULCA + 2.4 GHz Wi-Fi Antenna 3a + 2.4 GHz Bluetooth Antenna 1a + WPT	Yes
21	LTE Inter-Band ULCA + 2.4 GHz Wi-Fi Antenna 3a + 802.15.4 Antenna 1a + WPT	Yes
22	LTE Inter-Band ULCA + 2.4 GHz Wi-Fi Antenna 3a + 2.4 GHz Dedicated Bluetooth Antenna 4 + WPT	Yes
23	LTE Inter-Band ULCA + 2.4 GHz Wi-Fi Antenna 3a + 802.15.4 Dedicated Antenna 4 + WPT	Yes
24	LTE Inter-Band ULCA + 802.15.4 Dedicated Antenna 4 + 5/6 GHz Wi-Fi MIMO + WPT	Yes

Note: LTE inter-band ULCA can operate in any of the combinations in Table 1-9

1. There are no limitations in the above listed simultaneous transmission scenarios between cellular antennas and BT/Wi-Fi antennas.
2. 2.4 GHz WIFI and 2.4 GHz Bluetooth/802.15.4 can transmit simultaneously on separate antennas. Specific 2.4 GHz WIFI Antenna that can only transmit simultaneously with 2.4 GHz Bluetooth/802.15.4 is listed in the above table. In this scenario Wi-Fi max power will not exceed minimum of (13.5dBm, SAR max cap, Reg max cap) power. Additionally, in disconnected mode, BT will be using iPA only.
3. Specific NB UNII TXBF Antennas that can only transmit simultaneously are listed in the Simultaneous Transmission Backoff Scenarios document.
4. 2.4 GHz WLAN and 5 GHz WLAN cannot transmit simultaneously.
5. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and STBC and 802.11n/ac/ax additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
6. LTE + 5G NR FR1 Scenarios are limited to EN-DC combinations with anchor bands as shown in the NR FR1 checklist.
7. This device supports VoWIFI.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 71 of 387

REV 24.0
05/01/2024

1.15 Miscellaneous SAR Test Considerations

(A) WIFI/BT

Based on the maximum allowed power for the respective antennas, U-NII-2A was evaluated for Antenna WF5T, Antenna WF3b, Antenna WF1b. Additional testing for U-NII-1 Antenna WF5T, Antenna WF3b, Antenna WF1b was not required since U-NII-1 and U-NII-2A bands have the same maximum output power and all reported SAR was less than 1.2 W/kg per FCC KDB Publication 248227 D01v02r02.

The WLAN/Bluetooth/802.15.4/NB UNII chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structures to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report. WLAN/Bluetooth/802.15.4/NB UNII SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining WLAN/Bluetooth/802.15.4/NB UNII configurations.

This device supports channel 1-13 for 2.4 GHz WLAN. However, because channel 12/13 targets are not higher than that of channels 1-11, channels 1, 6, and 11 were considered for SAR testing per FCC KDB 248227 D01V02r02.

This device supports IEEE 802.11ac with the following features:

- a) Up to 160 MHz Bandwidth only for 5/6 GHz
- b) 3 Tx antenna output
- c) 256 QAM is supported
- d) TDWR and Band gap channels are supported

This device supports IEEE 802.11ax with the following features:

- a) Up to 160 MHz Bandwidth only for 5/6 GHz
- b) Up to 20 MHz Bandwidth only for 2.4 GHz
- c) No aggregate channel configurations
- d) 3 Tx antenna output
- e) Up to 1024 QAM is supported
- f) TDWR and Band gap channels are supported for 5 GHz
- g) MU-MIMO UL Operations are not supported

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors. FCC KDB 648474 and FCC KDB 248227 were followed for test positions, distances, and modes. Per TCB workshop October 2020 notes, 5 channels were tested. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements. Incident power density is evaluated at 2mm ensuring that the resolution is sufficient such that integrated power density (IPD) between d=2mm and d=λ/5mm is ≥ -1dB per equipment manufacturer guidance. Power density results are scaled up for uncertainty above 30%.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 72 of 387

REV 24.0
05/01/2024

(B) Licensed Transmitter(s)

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r04.

This device supports LTE Carrier Aggregation (CA) in the downlink. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r02, SAR for LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive. The downlink carrier aggregation exclusion analysis can be found in LTE DLCA RF Conducted Powers Appendix.

This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

This device supports LTE/NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE/NR Band falls completely within an LTE/NR band with a larger transmission frequency range, both LTE/NR bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE/NR bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

This device supports both Power Class 2 (PC2) and Power Class 3 (PC3) for LTE Band 41 and NR Band n41/77. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power Class 3 (given the specific UL/DL limitations for Power Class 2). Additionally, SAR testing for the power class 2 condition was evaluated for the highest configuration in Power Class 3 for each test configuration to confirm the results were scalable linearly (See Section 13).

This device supports LTE Carrier Aggregation (CA) for LTE Band 41, LTE Band 48, LTE Band 5, and LTE Band 7 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports inter-band LTE Carrier Aggregation (CA) for LTE Bands 2/4/5/30/7/12/13/14/66 with two component carriers in the uplink.

NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 73 of 387

REV 24.0
05/01/2024

1.16 Guidance Applied

- FCC KDB Publication 941225 D01v03r01, D05v02r05, D05Av01r02 (3G/4G)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D04v01 (Interim General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 616217 D04v01r02 (Tablet)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2/3)
- November 2017, April 2018, October 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)
- October 2018 TCB Workshop Notes (Inter-band Uplink Carrier Aggregation)
- November 2017, October 2018, April 2019, November 2019, October 2020 TCB Workshop Notes (IEEE 802.11ax)
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedures for Devices Operating at 6-10 GHz) (Nov 2021)
- IEEE 1528-2013
- IEC TR 63170:2018
- IEC 62479:2010

1.17 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical, and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 10.

1.18 Bibliography

Report Type	Report Serial Number
RF Exposure Part 0 Test Report	1C2405200018-01.BCG
RF Exposure Part 2 Test Report	1C2405200018-03.BCG
RF Exposure Compliance Summary Report	1C2405200018-04.BCG

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 74 of 387

REV 24.0
05/01/2024

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2 LTE AND NR INFORMATION

LTE Information					
Form Factor	Tablet				
Frequency Range of each LTE transmission	LTE Band 71 (665.5 - 695.5 MHz)				
	LTE Band 12 (699.7 - 715.3 MHz)				
	LTE Band 17 (706.5 - 713.5 MHz)				
	LTE Band 13 (779.5 - 784.5 MHz)				
	LTE Band 14 (730.5 - 735.5 MHz)				
	LTE Band 28 (Cell) (814.7 - 848.3 MHz)				
	LTE Band 5 (Cell) (824.7 - 848.3 MHz)				
	LTE Band 66 (AWS) (1710.7 - 1779.3 MHz)				
	LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)				
	LTE Band 25 (PCS) (1850.7 - 1914.3 MHz)				
	LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)				
	LTE Band 30 (2307.5 - 2312.5 MHz)				
	LTE Band 7 (2502.5 - 2567.5 MHz)				
	LTE Band 41 (2498.5 - 2687.5 MHz)				
	LTE Band 48 (3552.5 - 3697.5 MHz)				
	LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Bandwidths	LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 17: 5 MHz, 10 MHz				
	LTE Band 13: 5 MHz, 10 MHz				
	LTE Band 14: 5 MHz, 10 MHz				
	LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 66 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 4 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 25 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 2 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 30: 5 MHz, 10 MHz				
	LTE Band 7: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid	Mid-High	High
LTE Band 71: 5 MHz	665.5 (133147)	680.5 (133297)	695.5 (133447)		
LTE Band 71: 10 MHz	668 (133172)	680.5 (133297)	693 (133422)		
LTE Band 71: 15 MHz	670.5 (133197)	680.5 (133297)	690.5 (133397)		
LTE Band 71: 20 MHz	673 (133222)	680.5 (133297)	688 (133372)		
LTE Band 12: 1.4 MHz	699.7 (23017)	707.5 (23095)	715.3 (23173)		
LTE Band 12: 3 MHz	700.5 (23025)	707.5 (23095)	714.5 (23165)		
LTE Band 12: 5 MHz	701.5 (23035)	707.5 (23095)	713.5 (23155)		
LTE Band 12: 10 MHz	704 (23060)	707.5 (23095)	711 (23130)		
LTE Band 17: 5 MHz	706.5 (23755)	710 (23790)	713.5 (23825)		
LTE Band 17: 10 MHz	709 (23780)	710 (23790)	711 (23800)		
LTE Band 13: 5 MHz	779.5 (23205)	782 (23230)	784.5 (23255)		
LTE Band 13: 10 MHz	N/A	782 (23230)	N/A		
LTE Band 14: 5 MHz	790.5 (23305)	795 (23330)	795.5 (23355)		
LTE Band 14: 10 MHz	N/A	793 (23330)	N/A		
LTE Band 26 (Cell): 1.4 MHz	814.7 (26697)	831.5 (26865)	848.3 (27033)		
LTE Band 26 (Cell): 3 MHz	815.5 (26705)	831.5 (26865)	847.5 (27025)		
LTE Band 26 (Cell): 5 MHz	816.5 (26715)	831.5 (26865)	846.5 (27015)		
LTE Band 26 (Cell): 10 MHz	819 (26740)	831.5 (26865)	844 (26990)		
LTE Band 5 (Cell): 1.4 MHz	824.7 (26047)	836.5 (26525)	848.3 (26643)		
LTE Band 5 (Cell): 3 MHz	825.5 (26015)	836.5 (26525)	847.5 (26635)		
LTE Band 5 (Cell): 5 MHz	826.5 (26025)	836.5 (26525)	846.5 (26625)		
LTE Band 5 (Cell): 10 MHz	829 (26050)	836.5 (26525)	844 (26600)		
LTE Band 66 (AWS): 1.4 MHz	1710.7 (131979)	1745 (132322)	1779.3 (132665)		
LTE Band 66 (AWS): 3 MHz	1711.5 (131987)	1745 (132322)	1778.5 (132657)		
LTE Band 66 (AWS): 5 MHz	1712.5 (131997)	1745 (132322)	1777.5 (132647)		
LTE Band 66 (AWS): 10 MHz	1715 (132022)	1745 (132322)	1775 (132622)		
LTE Band 66 (AWS): 15 MHz	1717.5 (132047)	1745 (132322)	1772.5 (132597)		
LTE Band 66 (AWS): 20 MHz	1720 (132072)	1745 (132322)	1770 (132572)		
LTE Band 4 (AWS): 1.4 MHz	1710.7 (19957)	1732.5 (20175)	1754.3 (20393)		
LTE Band 4 (AWS): 3 MHz	1711.5 (19965)	1732.5 (20175)	1753.5 (20385)		
LTE Band 4 (AWS): 5 MHz	1712.5 (19975)	1732.5 (20175)	1752.5 (20375)		
LTE Band 4 (AWS): 10 MHz	1715 (20000)	1732.5 (20175)	1750 (20350)		
LTE Band 4 (AWS): 15 MHz	1717.5 (20025)	1732.5 (20175)	1747.5 (20325)		
LTE Band 4 (AWS): 20 MHz	1720 (20050)	1732.5 (20175)	1745 (20300)		
LTE Band 25 (PCS): 1.4 MHz	1850.7 (26047)	1882.5 (26365)	1914.3 (26683)		
LTE Band 25 (PCS): 3 MHz	1851.5 (26055)	1882.5 (26365)	1913.5 (26675)		
LTE Band 25 (PCS): 5 MHz	1852.5 (26065)	1882.5 (26365)	1912.5 (26665)		
LTE Band 25 (PCS): 10 MHz	1855 (26090)	1882.5 (26365)	1910 (26640)		
LTE Band 25 (PCS): 15 MHz	1857.5 (26115)	1882.5 (26365)	1907.5 (26615)		
LTE Band 25 (PCS): 20 MHz	1860 (26140)	1882.5 (26365)	1905 (26590)		
LTE Band 2 (PCS): 1.4 MHz	1850.7 (19907)	1880 (18900)	1909.3 (19193)		
LTE Band 2 (PCS): 3 MHz	1851.5 (19915)	1880 (18900)	1908.5 (19185)		
LTE Band 2 (PCS): 5 MHz	1852.5 (19925)	1880 (18900)	1907.5 (19175)		
LTE Band 2 (PCS): 10 MHz	1855 (19950)	1880 (18900)	1905 (19150)		
LTE Band 2 (PCS): 15 MHz	1857.5 (19975)	1880 (18900)	1902.5 (19125)		
LTE Band 2 (PCS): 20 MHz	1860 (19700)	1880 (18900)	1900 (19100)		
LTE Band 30: 5 MHz	2307.5 (27365)	2310 (27710)	2312.5 (27735)		
LTE Band 30: 10 MHz	N/A	2310 (27710)	N/A		
LTE Band 7: 5 MHz	2502.5 (20775)	2535 (21100)	2567.5 (21425)		
LTE Band 7: 10 MHz	2505 (20800)	2535 (21100)	2565 (21400)		
LTE Band 7: 15 MHz	2507.5 (20825)	2535 (21100)	2562.5 (21375)		
LTE Band 7: 20 MHz	2510 (20850)	2535 (21100)	2560 (21350)		
LTE Band 41: 5 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 10 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 15 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 20 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 48: 5 MHz	3552.5 (55265)	3600.8 (55748)	N/A	3649.2 (56232)	3697.5 (56715)
LTE Band 48: 10 MHz	3555 (55290)	3601.7 (55757)	N/A	3648.3 (56223)	3695 (56690)
LTE Band 48: 15 MHz	3557.5 (55315)	3602.5 (55765)	N/A	3647.5 (56215)	3692.5 (56665)
LTE Band 48: 20 MHz	3560 (55340)	3603.3 (55773)	N/A	3646.7 (56207)	3690 (56640)
UE Category	DL UE Cat 20, UL UE Cat 18				
Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256QAM				
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3~6.2.57 (manufacturer selection to be provided)	YES				
A-MPR (Additional MPR) disabled for SAR	YES				
LTE Carrier Aggregation Possible	The technical description includes all the possible carrier aggregation combinations				
LTE Additional Information	This device does not support full CA features on 3GPP Release 16. It supports carrier aggregation, downlink MIMO, LAA features as shown in the RF Conducted Powers section of this report and the Downlink LTE CA RF Conductive Powers Appendix. All uplink communications are identical to the Release 8 Specifications. The following LTE Release 15 Features are not supported: Carrier Aggregation, Relay, HetNet, Enhanced MIMO, eCIC, WiFi Offloading, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA.				

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 75 of 387

REV 24.0
05/01/2024

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NR Information				
Form Factor	Tablet			
Frequency Range of each NR transmission band	NR Band n71 (665.5 - 695.5 MHz) NR Band n12 (701.5 - 713.5 MHz) NR Band n14 (706.5 - 705.5 MHz) NR Band n28 (Cell) (816.5 - 846.5 MHz) NR Band n5 (Cell) (826.5 - 846.5 MHz) NR Band n27 (1087.5 - 1107.5 MHz) NR Band n68 (AWS) (1712.5 - 1777.5 MHz) NR Band n25 (PCS) (1852.5 - 1912.5 MHz) NR Band n2 (PCS) (1852.5 - 1907.5 MHz) NR Band n30 (2307.5 - 2312.5 MHz) NR Band n7 (2602.5 - 2607.5 MHz) NR Band n4 (2501.01 - 2505 MHz) NR Band n68 (AWS) (1712.5 - 1777.5 MHz) NR Band n77 DoD (3455.01 - 3544.98 MHz) NR Band n77 C (3705.0 - 3975.0 MHz) NR Band n71 (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n12 (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n14 (5 MHz, 10 MHz, 15 MHz) NR Band n28 (Cell) (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n5 (Cell) (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n27 (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n68 (AWS) (5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n25 (PCS) (5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n2 (PCS) (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n7 (5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n4 (5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n77 DoD (10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz) NR Band n77 C (10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz)			
Channel Bandwidths	NR Band n71 (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n12 (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n14 (5 MHz, 10 MHz) NR Band n28 (Cell) (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n5 (Cell) (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n27 (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n68 (AWS) (5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n25 (PCS) (5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n2 (PCS) (5 MHz, 10 MHz, 15 MHz, 20 MHz) NR Band n7 (5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n4 (5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz) NR Band n77 DoD (10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz) NR Band n77 C (10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz)			
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid	Mid-High
NR Band n71 (5 MHz)	665.5 (133100)	665.5 (133100)	665.5 (133100)	665.5 (133100)
NR Band n71 (10 MHz)	668 (133600)	668.5 (133600)	669 (133600)	669.5 (133600)
NR Band n71 (15 MHz)	670.5 (134100)	670.5 (134100)	670.5 (134100)	670.5 (134100)
NR Band n71 (20 MHz)	673 (134600)	673 (134600)	673 (134600)	673 (134600)
NR Band n12 (5 MHz)	701.5 (140300)	701.5 (140300)	701.5 (140300)	701.5 (140300)
NR Band n12 (10 MHz)	704 (140800)	704 (140800)	704 (140800)	704 (140800)
NR Band n12 (15 MHz)	706.5 (141300)	706.5 (141300)	706.5 (141300)	706.5 (141300)
NR Band n14 (5 MHz)	706.5 (141300)	703 (139600)	N/A	N/A
NR Band n14 (10 MHz)	N/A	703 (139600)	N/A	N/A
NR Band n28 (Cell) (5 MHz)	816.5 (163300)	816.5 (163300)	816.5 (163300)	816.5 (163300)
NR Band n28 (Cell) (10 MHz)	819 (163800)	819 (163800)	819 (163800)	819 (163800)
NR Band n28 (Cell) (15 MHz)	821.5 (164300)	821.5 (164300)	821.5 (164300)	821.5 (164300)
NR Band n28 (Cell) (20 MHz)	N/A	815 (163500)	N/A	N/A
NR Band n5 (Cell) (5 MHz)	826.5 (165300)	826.5 (165300)	826.5 (165300)	826.5 (165300)
NR Band n5 (Cell) (10 MHz)	829 (165800)	829 (165800)	829 (165800)	829 (165800)
NR Band n5 (Cell) (15 MHz)	831.5 (166300)	831.5 (166300)	831.5 (166300)	831.5 (166300)
NR Band n5 (Cell) (20 MHz)	N/A	815 (163500)	N/A	N/A
NR Band n70 (5 MHz)	1097.5 (339500)	1097.5 (339500)	1097.5 (339500)	1097.5 (339500)
NR Band n70 (10 MHz)	1700 (340000)	1700 (340000)	1700 (340000)	1700 (340000)
NR Band n70 (15 MHz)	N/A	1702.5 (340500)	N/A	N/A
NR Band n68 (AWS) (5 MHz)	1712.5 (342500)	1712.5 (342500)	1712.5 (342500)	1712.5 (342500)
NR Band n68 (AWS) (10 MHz)	1715 (343000)	1715 (343000)	1715 (343000)	1715 (343000)
NR Band n68 (AWS) (15 MHz)	1717.5 (343500)	1717.5 (343500)	1717.5 (343500)	1717.5 (343500)
NR Band n68 (AWS) (20 MHz)	1720 (344000)	1720 (344000)	1720 (344000)	1720 (344000)
NR Band n68 (AWS) (25 MHz)	1722.5 (344500)	1722.5 (344500)	1722.5 (344500)	1722.5 (344500)
NR Band n68 (AWS) (30 MHz)	1725 (345000)	1725 (345000)	1725 (345000)	1725 (345000)
NR Band n68 (AWS) (35 MHz)	1727.5 (345500)	1727.5 (345500)	1727.5 (345500)	1727.5 (345500)
NR Band n68 (AWS) (40 MHz)	1730 (346000)	1730 (346000)	1730 (346000)	1730 (346000)
NR Band n25 (PCS) (5 MHz)	1852.5 (370500)	1852.5 (370500)	1852.5 (370500)	1852.5 (370500)
NR Band n25 (PCS) (10 MHz)	1855 (371000)	1855 (371000)	1855 (371000)	1855 (371000)
NR Band n25 (PCS) (15 MHz)	1857.5 (371500)	1857.5 (371500)	1857.5 (371500)	1857.5 (371500)
NR Band n25 (PCS) (20 MHz)	1860 (372000)	1860 (372000)	1860 (372000)	1860 (372000)
NR Band n25 (PCS) (30 MHz)	1865 (373000)	1865 (373000)	1865 (373000)	1865 (373000)
NR Band n25 (PCS) (35 MHz)	1867.5 (373500)	1867.5 (373500)	1867.5 (373500)	1867.5 (373500)
NR Band n25 (PCS) (40 MHz)	1870 (374000)	1870 (374000)	1870 (374000)	1870 (374000)
NR Band n2 (PCS) (5 MHz)	1852.5 (370500)	1852.5 (370500)	1852.5 (370500)	1852.5 (370500)
NR Band n2 (PCS) (10 MHz)	1855 (371000)	1855 (371000)	1855 (371000)	1855 (371000)
NR Band n2 (PCS) (15 MHz)	1857.5 (371500)	1857.5 (371500)	1857.5 (371500)	1857.5 (371500)
NR Band n2 (PCS) (20 MHz)	1860 (372000)	1860 (372000)	1860 (372000)	1860 (372000)
NR Band n30 (5 MHz)	2307.5 (461500)	2307.5 (461500)	2307.5 (461500)	2307.5 (461500)
NR Band n30 (10 MHz)	N/A	2310 (462000)	N/A	N/A
NR Band n7 (5 MHz)	2502.5 (500500)	2502.5 (500500)	2502.5 (500500)	2502.5 (500500)
NR Band n7 (10 MHz)	2505 (501000)	2505 (501000)	2505 (501000)	2505 (501000)
NR Band n7 (15 MHz)	2507.5 (501500)	2507.5 (501500)	2507.5 (501500)	2507.5 (501500)
NR Band n7 (20 MHz)	2510 (502000)	2510 (502000)	2510 (502000)	2510 (502000)
NR Band n7 (25 MHz)	2512.5 (502500)	2512.5 (502500)	2512.5 (502500)	2512.5 (502500)
NR Band n7 (30 MHz)	2515 (503000)	2515 (503000)	2515 (503000)	2515 (503000)
NR Band n7 (35 MHz)	2517.5 (503500)	2517.5 (503500)	2517.5 (503500)	2517.5 (503500)
NR Band n7 (40 MHz)	2520 (504000)	2520 (504000)	2520 (504000)	2520 (504000)
NR Band n41 (5 MHz)	2501.01 (500202)	2501.01 (500202)	2501.01 (500202)	2501.01 (500202)
NR Band n41 (10 MHz)	2503.5 (500700)	2503.5 (500700)	2503.5 (500700)	2503.5 (500700)
NR Band n41 (15 MHz)	2506.01 (501200)	2506.01 (501200)	2506.01 (501200)	2506.01 (501200)
NR Band n41 (20 MHz)	2508.5 (501700)	2508.5 (501700)	2508.5 (501700)	2508.5 (501700)
NR Band n41 (25 MHz)	2511.01 (502200)	2511.01 (502200)	2511.01 (502200)	2511.01 (502200)
NR Band n41 (30 MHz)	2513.5 (502700)	2513.5 (502700)	2513.5 (502700)	2513.5 (502700)
NR Band n41 (35 MHz)	2516.01 (503200)	2516.01 (503200)	2516.01 (503200)	2516.01 (503200)
NR Band n41 (40 MHz)	2518.5 (503700)	2518.5 (503700)	2518.5 (503700)	2518.5 (503700)
NR Band n41 (45 MHz)	2521.01 (504200)	2521.01 (504200)	2521.01 (504200)	2521.01 (504200)
NR Band n41 (50 MHz)	2523.5 (504700)	2523.5 (504700)	2523.5 (504700)	2523.5 (504700)
NR Band n41 (55 MHz)	2526.01 (505200)	2526.01 (505200)	2526.01 (505200)	2526.01 (505200)
NR Band n41 (60 MHz)	2528.5 (505700)	2528.5 (505700)	2528.5 (505700)	2528.5 (505700)
NR Band n41 (65 MHz)	2531.01 (506200)	2531.01 (506200)	2531.01 (506200)	2531.01 (506200)
NR Band n41 (70 MHz)	2533.5 (506700)	2533.5 (506700)	2533.5 (506700)	2533.5 (506700)
NR Band n41 (75 MHz)	2536.01 (507200)	2536.01 (507200)	2536.01 (507200)	2536.01 (507200)
NR Band n41 (80 MHz)	2538.5 (507700)	2538.5 (507700)	2538.5 (507700)	2538.5 (507700)
NR Band n41 (85 MHz)	2541.01 (508200)	2541.01 (508200)	2541.01 (508200)	2541.01 (508200)
NR Band n41 (90 MHz)	2543.5 (508700)	2543.5 (508700)	2543.5 (508700)	2543.5 (508700)
NR Band n41 (95 MHz)	2546.01 (509200)	2546.01 (509200)	2546.01 (509200)	2546.01 (509200)
NR Band n41 (100 MHz)	2548.5 (509700)	2548.5 (509700)	2548.5 (509700)	2548.5 (509700)
NR Band n48 (5 MHz)	3555 (837000)	3555 (837000)	3555 (837000)	3555 (837000)
NR Band n48 (10 MHz)	3557.5 (837500)	3557.5 (837500)	3557.5 (837500)	3557.5 (837500)
NR Band n48 (15 MHz)	3560.01 (838000)	3560.01 (838000)	3560.01 (838000)	3560.01 (838000)
NR Band n48 (20 MHz)	3562.5 (838500)	3562.5 (838500)	3562.5 (838500)	3562.5 (838500)
NR Band n48 (25 MHz)	3565.01 (839000)	3565.01 (839000)	3565.01 (839000)	3565.01 (839000)
NR Band n48 (30 MHz)	3567.5 (839500)	3567.5 (839500)	3567.5 (839500)	3567.5 (839500)
NR Band n48 (35 MHz)	3570.01 (840000)	3570.01 (840000)	3570.01 (840000)	3570.01 (840000)
NR Band n48 (40 MHz)	3572.5 (840500)	3572.5 (840500)	3572.5 (840500)	3572.5 (840500)
NR Band n77 DoD (5 MHz)	3455.01 (833334)	3455.01 (833334)	3455.01 (833334)	3455.01 (833334)
NR Band n77 DoD (10 MHz)	3457.5 (833834)	3457.5 (833834)	3457.5 (833834)	3457.5 (833834)
NR Band n77 DoD (15 MHz)	3460.01 (834334)	3460.01 (834334)	3460.01 (834334)	3460.01 (834334)
NR Band n77 DoD (20 MHz)	3462.5 (834834)	3462.5 (834834)	3462.5 (834834)	3462.5 (834834)
NR Band n77 DoD (25 MHz)	3465.01 (835334)	3465.01 (835334)	3465.01 (835334)	3465.01 (835334)
NR Band n77 DoD (30 MHz)	3467.5 (835834)	3467.5 (835834)	3467.5 (835834)	3467.5 (835834)
NR Band n77 DoD (35 MHz)	3470.01 (836334)	3470.01 (836334)	3470.01 (836334)	3470.01 (836334)
NR Band n77 DoD (40 MHz)	3472.5 (836834)	3472.5 (836834)	3472.5 (836834)	3472.5 (836834)
NR Band n77 DoD (45 MHz)	3475.01 (837334)	3475.01 (837334)	3475.01 (837334)	3475.01 (837334)
NR Band n77 DoD (50 MHz)	3477.5 (837834)	3477.5 (837834)	3477.5 (837834)	3477.5 (837834)
NR Band n77 DoD (55 MHz)	3480.01 (838334)	3480.01 (838334)	3480.01 (838334)	3480.01 (838334)
NR Band n77 DoD (60 MHz)	3482.5 (838834)	3482.5 (838834)	3482.5 (838834)	3482.5 (838834)
NR Band n77 DoD (65 MHz)	3485.01 (839334)	3485.01 (839334)	3485.01 (839334)	3485.01 (839334)
NR Band n77 DoD (70 MHz)	3487.5 (839834)	3487.5 (839834)	3487.5 (839834)	3487.5 (839834)
NR Band n77 DoD (75 MHz)	3490.01 (840334)	3490.01 (840334)	3490.01 (840334)	3490.01 (840334)
NR Band n77 DoD (80 MHz)	3492.5 (840834)	3492.5 (840834)	3492.5 (840834)	3492.5 (840834)
NR Band n77 DoD (85 MHz)	3495.01 (841334)	3495.01 (841334)	3495.01 (841334)	3495.01 (841334)
NR Band n77 DoD (90 MHz)	3497.5 (841834)	3497.5 (841834)	3497.5 (841834)	3497.5 (841834)
NR Band n77 DoD (95 MHz)	3500.01 (842334)	3500.01 (842334)	3500.01 (842334)	3500.01 (842334)
NR Band n77 DoD (100 MHz)	3502.5 (842834)	3502.5 (842834)	3502.5 (842834)	3502.5 (842834)
NR Band n77 C (5 MHz)	3705 (847000)	3705 (847000)	3705 (847000)	3705 (847000)
NR Band n77 C (10 MHz)	3707.5 (847500)	3707.5 (847500)	3707.5 (847500)	3707.5 (847500)
NR Band n77 C (15 MHz)	3710.01 (848000)	3710.01 (848000)	3710.01 (848000)	3710.01 (848000)
NR Band n77 C (20 MHz)	3712.5 (848500)	3712.5 (848500)	3712.5 (848500)	3712.5 (848500)
NR Band n77 C (25 MHz)	3715.01 (849000)	3715.01 (849000)	3715.01 (849000)	3715.01 (849000)
NR Band n77 C (30 MHz)	3717.5 (849500)	3717.5 (849500)	3717.5 (849500)	3717.5 (849500)
NR Band n77 C (35 MHz)	3720.01 (850000)	3720.01 (850000)	3720.01 (850000)	3720.01 (850000)
NR Band n77 C (40 MHz)	3722.5 (850500)	3722.5 (850500)	3722.5 (850500)	3722.5 (850500)
NR Band n77 C (45 MHz)	3725.01 (851000)	3725.01 (851000)	3725.01 (851000)	3725.01 (851000)
NR Band n77 C (50 MHz)	3727.5 (851500)	3727.5 (851500)	3727.5 (851500)	3727.5 (851500)
NR Band n77 C (55 MHz)	3730.01 (852000)	3730.01 (852000)	3730.01 (852000)	3730.01 (852000)
NR Band n77 C (60 MHz)	3732.5 (852500)	3732.5 (852500)	3732.5 (852500)	3732.5 (852500)
NR Band n77 C (65 MHz)	3735.01 (853000)	3735.01 (853000)	3735.01 (853000)	3735.01 (853000)
NR Band n77 C (70 MHz)	3737.5 (853500)	3737.5 (853500)	3737.5 (853500)	3737.5 (853500)
NR Band n77 C (75 MHz)	3740.01 (854000)	3740.01 (854000)	3740.01 (854000)	3740.01 (854000)
NR Band n77 C (80 MHz)	3742.5 (8545000			

3 INTRODUCTION

The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices. [1]

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [3] and Health Canada RF Exposure Guidelines Safety Code 6 [22]. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave [4] is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

3.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 3-1).

Equation 3-1
SAR Mathematical Equation

$$SAR = \frac{d}{dt} \left(\frac{dU}{dm} \right) = \frac{d}{dt} \left(\frac{dU}{\rho dv} \right)$$

SAR is expressed in units of Watts per Kilogram (W/kg).

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

where:

- σ = conductivity of the tissue-simulating material (S/m)
- ρ = mass density of the tissue-simulating material (kg/m³)
- E = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.[6]

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 77 of 387

REV 24.0
05/01/2024

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4 DOSIMETRIC ASSESSMENT

4.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface, and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):
 - a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 4-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).
 - b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.
 - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.

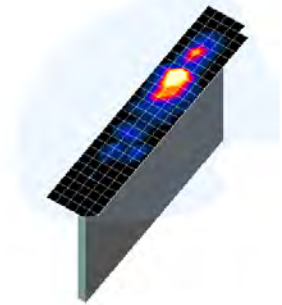


Figure 4-1
Sample SAR Area
Scan

Table 4-1
Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

Frequency	Maximum Area Scan Resolution (mm) ($\Delta x_{\text{area}}, \Delta y_{\text{area}}$)	Maximum Zoom Scan Resolution (mm) ($\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$)	Maximum Zoom Scan Spatial Resolution (mm)			Minimum Zoom Scan Volume (mm) (x,y,z)
			Uniform Grid	Graded Grid		
				$\Delta z_{\text{zoom}}(n)$	$\Delta z_{\text{zoom}}(1)^*$	
≤ 2 GHz	≤ 15	≤ 8	≤ 5	≤ 4	$\leq 1.5^* \Delta z_{\text{zoom}}(n-1)$	≥ 30
2-3 GHz	≤ 12	≤ 5	≤ 5	≤ 4	$\leq 1.5^* \Delta z_{\text{zoom}}(n-1)$	≥ 30
3-4 GHz	≤ 12	≤ 5	≤ 4	≤ 3	$\leq 1.5^* \Delta z_{\text{zoom}}(n-1)$	≥ 28
4-5 GHz	≤ 10	≤ 4	≤ 3	≤ 2.5	$\leq 1.5^* \Delta z_{\text{zoom}}(n-1)$	≥ 25
5-6 GHz	≤ 10	≤ 4	≤ 2	≤ 2	$\leq 1.5^* \Delta z_{\text{zoom}}(n-1)$	≥ 22

*Also compliant to IEEE 1528-2013 Table 6

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 78 of 387

REV 24.0
05/01/2024

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5 TEST CONFIGURATION POSITIONS

5.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon = 3$ and loss tangent $\delta = 0.02$.

5.2 SAR Testing for Tablet per KDB Publication 616217 D04v01r02

Per FCC KDB Publication 616217 D04v01r02, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D04v01 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 79 of 387

REV 24.0
05/01/2024

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6 RF EXPOSURE LIMITS

6.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

6.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

6.3 RF Exposure Limits for Frequencies below 6 GHz

Table 6-1
SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS		
	UNCONTROLLED ENVIRONMENT <i>General Population</i> (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT <i>Occupational</i> (W/kg) or (mW/g)
Peak Spatial Average SAR Head	1.6	8.0
Whole Body SAR	0.08	0.4
Peak Spatial Average SAR Hands, Feet, Ankle, Wrists, etc.	4.0	20

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 80 of 387

REV 24.0
05/01/2024

6.4 RF Exposure Limits for Frequencies above 6 GHz

Per §1.1310 (d)(3), the MPE limits are applied for frequencies above 6 GHz. Power Density is expressed in units of W/m² or mW/cm².

Peak Spatially Averaged Power Density was evaluated over a circular area of 4 cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Table 6-2
Human Exposure Limits Specified in FCC 47 CFR §1.1310

Human Exposure to Radiofrequency (RF) Radiation Limits		
Frequency Range [MHz]	Power Density [mW/cm ²]	Average Time [Minutes]
(A) Limits For Occupational / Controlled Environments		
1,500 – 100,000	5.0	6
(B) Limits For General Population / Uncontrolled Environments		
1,500 – 100,000	1.0	30

Note: 1.0 mW/cm² is 10 W/m²

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 81 of 387

REV 24.0
05/01/2024

7 FCC MEASUREMENT PROCEDURES

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

7.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D04v01, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

7.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is ≤ 0.25 dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is ≤ 1.2 W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

7.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in an RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1-gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 82 of 387

REV 24.0
05/01/2024

7.4 SAR Measurement Conditions for UMTS

7.4.1 Output Power Verification

Maximum output power is verified on the High, Middle, and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all “1s” or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCH_n and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

7.4.2 Body SAR Measurements

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits all “1s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH_n configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCH_n, for the highest reported SAR configuration in 12.2 kbps RMC.

7.4.3 SAR Measurements with Rel 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

7.4.4 SAR Measurements with Rel 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

7.4.5 SAR Measurement Conditions for DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 83 of 387

REV 24.0
05/01/2024

7.5 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r04 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

7.5.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

7.5.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

7.5.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

7.5.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

- a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth.
 - i. The required channel and offset combination with the highest maximum output power is required for SAR.
 - ii. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
 - iii. When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
- c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.
- d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to $\frac{1}{2}$ dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is < 1.45 W/kg.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 84 of 387

REV 24.0
05/01/2024

7.5.5 TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r04. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05v02r04. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

7.5.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance with KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 85 of 387

REV 24.0
05/01/2024

7.6 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset-based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

7.6.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR systems to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

7.6.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is > 1.2 W/kg. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is > 1.2 W/kg. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

7.6.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification. Unless band gap channels are permanently disabled, SAR must be considered for these channels. Each band is tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 86 of 387

REV 24.0
05/01/2024

7.6.4 2.4 GHz SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel, i.e., all channels require testing.

2.4 GHz 802.11 g/n/ax OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is > 1.2 W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

7.6.5 OFDM Transmission Mode and SAR Test Channel Selection

When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. Per April 2019 TCB Workshop guidance, 802.11ax was considered the highest order 802.11 mode. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

7.6.6 Initial Test Configuration Procedure

For OFDM, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order IEEE 802.11 mode. The channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is ≤ 0.8 W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is ≤ 1.2 W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements (See Section 7.6.5). When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 87 of 387

REV 24.0
05/01/2024

7.6.7 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is ≤ 1.2 W/kg, no additional SAR tests for the subsequent test configurations are required. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

7.6.8 MIMO SAR considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D01v06 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is < 1.6 W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 88 of 387

REV 24.0
05/01/2024

8 RF CONDUCTED POWERS

All conducted power measurements for 3G/4G/5G Sub6 WWAN technologies and bands in this section were performed by setting Reserve power margin (Qualcomm® Smart Transmit EFS entry) to 0dB, so that the EUT transmits continuously at minimum (P_{limit} , maximum tune up output power P_{max}).

8.1 UMTS P_{limit} Conducted Powers

Table 8-1
Measured P_{Limit} Antenna 1b

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	11.34	11.35	11.32	10.72	10.78	10.77	-
6	HSDPA	Subtest 1	10.56	10.63	10.57	10.66	10.52	10.57	0
6		Subtest 2	10.54	10.60	10.55	10.65	10.54	10.56	0
6		Subtest 3	10.17	10.13	10.03	10.15	10.12	10.11	0.5
6		Subtest 4	10.08	10.12	10.05	10.07	10.10	10.08	0.5
6	HSUPA	Subtest 1	9.92	9.89	9.96	9.87	9.82	9.95	0
6		Subtest 2	8.42	8.38	8.50	8.13	8.12	8.05	2
6		Subtest 3	9.12	9.07	9.21	9.61	9.63	9.58	1
6		Subtest 4	8.45	8.38	8.51	7.86	7.98	7.84	2
6		Subtest 5	9.95	9.93	9.98	9.94	9.90	9.88	0
8	DC-HSDPA	Subtest 1	10.37	10.41	10.34	10.21	10.29	10.24	0
8		Subtest 2	10.35	10.39	10.32	10.23	10.28	10.27	0
8		Subtest 3	9.88	9.89	9.85	9.72	9.79	9.74	0.5
8		Subtest 4	9.87	9.91	9.88	9.73	9.78	9.73	0.5

Table 8-2
Measured P_{Limit} Antenna 2

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	16.35	16.40	16.33	12.39	12.47	12.55	13.62	13.61	13.53	-
6	HSDPA	Subtest 1	16.09	16.11	15.91	11.83	11.82	12.02	12.81	12.79	12.77	0
6		Subtest 2	16.08	16.09	15.85	11.82	11.81	12.01	12.84	12.82	12.76	0
6		Subtest 3	15.56	15.57	15.38	11.34	11.33	11.54	12.33	12.29	12.29	0.5
6		Subtest 4	15.57	15.59	15.37	11.34	11.33	11.53	12.31	12.33	12.26	0.5
6	HSUPA	Subtest 1	15.93	16.02	15.84	11.91	11.94	12.15	12.86	12.96	12.88	0
6		Subtest 2	13.94	14.01	13.83	9.90	9.98	10.13	10.82	10.96	10.85	2
6		Subtest 3	14.92	15.02	14.85	10.91	10.95	11.13	11.82	11.95	11.85	1
6		Subtest 4	13.93	14.02	13.83	9.93	9.97	10.12	10.83	10.96	10.87	2
6		Subtest 5	15.92	16.00	15.83	11.93	11.98	12.14	12.87	12.98	12.92	0
8	DC-HSDPA	Subtest 1	15.91	16.02	15.84	11.93	11.98	12.18	12.87	13.01	12.92	0
8		Subtest 2	15.90	16.01	15.84	11.92	11.98	12.15	12.89	13.01	12.89	0
8		Subtest 3	15.42	15.49	15.36	11.45	11.50	11.68	12.37	12.52	12.40	0.5
8		Subtest 4	15.41	15.51	15.35	11.43	11.49	11.67	12.90	12.50	12.39	0.5

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 89 of 387

REV 24.0
05/01/2024

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Table 8-3
Measured P_{Limit} Antenna 3b

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	12.40	12.27	12.26	12.77	12.70	12.76	-
6	HSDPA	Subtest 1	11.74	11.63	11.68	11.97	11.85	11.84	0
6		Subtest 2	11.70	11.63	11.64	11.99	11.85	11.85	0
6		Subtest 3	11.23	11.12	11.17	11.48	11.34	11.35	0.5
6		Subtest 4	11.24	11.13	11.68	11.49	11.35	11.36	0.5
6	HSUPA	Subtest 1	11.71	11.62	11.70	11.96	11.86	11.88	0
6		Subtest 2	9.71	9.61	9.69	9.95	9.84	9.83	2
6		Subtest 3	10.68	10.59	10.67	10.93	10.83	10.82	1
6		Subtest 4	9.71	9.60	9.67	9.96	9.84	9.85	2
6		Subtest 5	11.71	11.62	11.65	11.98	11.87	11.89	0
8	DC-HSDPA	Subtest 1	11.73	11.63	11.70	11.95	11.84	11.85	0
8		Subtest 2	11.69	11.61	11.68	11.97	11.85	11.85	0
8		Subtest 3	11.20	11.12	11.17	11.46	11.35	11.36	0.5
8		Subtest 4	11.73	11.11	11.20	11.45	11.34	11.35	0.5

Table 8-4
Measured P_{Limit} Antenna 4

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	16.75	16.77	16.71	12.69	12.56	12.73	12.76	12.89	13.07	-
6	HSDPA	Subtest 1	16.17	16.19	16.11	12.28	12.18	12.29	12.13	12.17	12.23	0
6		Subtest 2	16.19	16.23	16.12	12.25	12.17	12.34	12.14	12.20	12.25	0
6		Subtest 3	15.70	15.68	15.63	11.77	11.67	11.84	11.65	11.66	11.76	0.5
6		Subtest 4	15.69	15.68	15.60	11.76	11.72	11.85	11.64	11.67	11.73	0.5
6	HSUPA	Subtest 1	16.14	16.20	16.12	12.24	12.16	12.37	12.15	12.20	12.27	0
6		Subtest 2	14.17	14.20	14.14	10.27	10.19	10.36	10.10	10.18	10.26	2
6		Subtest 3	15.19	15.18	15.13	11.23	11.17	11.33	11.06	11.17	11.21	1
6		Subtest 4	14.15	14.18	14.11	10.26	10.16	10.31	10.09	10.18	10.23	2
6		Subtest 5	16.16	16.20	16.13	12.32	12.20	12.36	12.17	12.19	12.27	0
8	DC-HSDPA	Subtest 1	16.18	16.17	16.10	12.29	12.19	12.36	12.15	12.20	12.26	0
8		Subtest 2	16.17	16.22	16.11	12.25	12.17	12.32	12.15	12.19	12.24	0
8		Subtest 3	15.71	15.71	15.62	11.79	11.69	11.86	11.64	11.68	11.75	0.5
8		Subtest 4	15.67	15.69	15.61	11.77	11.69	11.85	11.65	11.71	11.75	0.5

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 90 of 387

REV 24.0
05/01/2024

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DC-HSDPA considerations

- 3GPP Specification 34.121-1 Release 8 Ver 8.10.0 was used for DC-HSDPA guidance
- H-Set 12 (QPSK) was confirmed to be used during DC-HSDPA measurements
- The DUT supports UE category 24 for HSDPA



Figure 8-1
Power Measurement Setup

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 91 of 387

REV 24.0
05/01/2024

8.2 LTE Conducted Powers

Notes: Per FCC KDB Publication 941225 D05v02r05, LTE SAR for the lower bandwidths was not required for testing since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg. Lower bandwidth conducted powers for all LTE bands can be found in the LTE and NR Lower Bandwidth RF Conducted Powers Appendix.

Some bands do not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

8.2.1 LTE Band 71

Table 8-5
LTE Band 71 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	19.65	0	0
	1	50	19.60		0
	1	99	19.54		0
	50	0	19.56	0-1	0
	50	25	19.63		0
	50	50	19.53		0
	100	0	19.59		0
16QAM	1	0	19.46	0-1	0
	1	50	19.69		0
	1	99	19.30		0
	50	0	19.31	0-2	0
	50	25	19.39		0
	50	50	19.23		0
	100	0	19.35		0
64QAM	1	0	19.50	0-2	0
	1	50	19.69		0
	1	99	19.21		0
	50	0	19.29	0-3	0
	50	25	19.37		0
	50	50	19.28		0
	100	0	19.35		0
256QAM	1	0	19.14	0-5	0
	1	50	19.03		0
	1	99	19.07		0
	50	0	18.92		0
	50	25	18.96		0
	50	50	18.89		0
	100	0	18.94		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 92 of 387

REV 24.0
05/01/2024

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Table 8-6
LTE Band 71 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	19.46	0	0
	1	50	19.41		0
	1	99	19.38		0
	50	0	19.49	0-1	0
	50	25	19.43		0
	50	50	19.41		0
	100	0	19.39		0
16QAM	1	0	19.61	0-1	0
	1	50	19.70		0
	1	99	19.48		0
	50	0	19.42	0-2	0
	50	25	19.40		0
	50	50	19.39		0
	100	0	19.38		0
64QAM	1	0	19.38	0-2	0
	1	50	19.67		0
	1	99	19.33		0
	50	0	19.41	0-3	0
	50	25	19.37		0
	50	50	19.37		0
	100	0	19.36		0
256QAM	1	0	19.45	0-5	0
	1	50	19.52		0
	1	99	19.49		0
	50	0	19.41		0
	50	25	19.38		0
	50	50	19.39		0
	100	0	19.35		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 93 of 387

REV 24.0
05/01/2024

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8.2.2 LTE Band 12

Table 8-7
LTE Band 12 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.08	0	0
	1	25	17.97		0
	1	49	17.96		0
	25	0	18.04	0-1	0
	25	12	18.11		0
	25	25	18.05		0
	50	0	18.07		0
16QAM	1	0	18.16	0-1	0
	1	25	18.10		0
	1	49	18.09		0
	25	0	17.93	0-2	0
	25	12	17.93		0
	25	25	17.90		0
	50	0	17.90		0
64QAM	1	0	18.21	0-2	0
	1	25	18.12		0
	1	49	18.11		0
	25	0	17.96	0-3	0
	25	12	17.94		0
	25	25	17.89		0
	50	0	17.90		0
256QAM	1	0	18.11	0-5	0
	1	25	18.08		0
	1	49	18.09		0
	25	0	17.90		0
	25	12	17.94		0
	25	25	17.86		0
	50	0	17.86		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 94 of 387

REV 24.0
05/01/2024

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Table 8-8
LTE Band 12 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.25	0	0
	1	25	18.30		0
	1	49	18.19		0
	25	0	18.14	0-1	0
	25	12	18.16		0
	25	25	18.17		0
	50	0	18.10		0
16QAM	1	0	18.48	0-1	0
	1	25	18.43		0
	1	49	18.59		0
	25	0	18.16	0-2	0
	25	12	18.17		0
	25	25	18.20		0
	50	0	18.15		0
64QAM	1	0	18.39	0-2	0
	1	25	18.39		0
	1	49	18.41		0
	25	0	18.14	0-3	0
	25	12	18.16		0
	25	25	18.18		0
	50	0	18.15		0
256QAM	1	0	18.13	0-5	0
	1	25	18.29		0
	1	49	18.14		0
	25	0	18.12		0
	25	12	18.15		0
	25	25	18.19		0
	50	0	18.14		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 95 of 387

REV 24.0
05/01/2024

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8.2.3 LTE Band 13

Table 8-9
LTE Band 13 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	17.88	0	0
	1	25	17.80		0
	1	49	17.95		0
	25	0	18.05	0-1	0
	25	12	17.93		0
	25	25	17.91		0
	50	0	17.93		0
16QAM	1	0	18.16	0-1	0
	1	25	18.24		0
	1	49	18.11		0
	25	0	17.99	0-2	0
	25	12	18.05		0
	25	25	17.95		0
	50	0	17.92		0
64QAM	1	0	18.02	0-2	0
	1	25	18.11		0
	1	49	18.14		0
	25	0	17.98	0-3	0
	25	12	18.00		0
	25	25	17.93		0
	50	0	17.89		0
256QAM	1	0	18.03	0-5	0
	1	25	18.13		0
	1	49	17.90		0
	25	0	17.90		0
	25	12	17.96		0
	25	25	17.91		0
	50	0	17.89		0

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 96 of 387

REV 24.0
05/01/2024

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Table 8-10
LTE Band 13 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.63	0	0
	1	25	18.65		0
	1	49	18.64		0
	25	0	18.52	0-1	0
	25	12	18.61		0
	25	25	18.55		0
	50	0	18.60		0
16QAM	1	0	18.31	0-1	0
	1	25	18.38		0
	1	49	18.40		0
	25	0	18.12	0-2	0
	25	12	18.18		0
	25	25	18.16		0
	50	0	18.22		0
64QAM	1	0	18.29	0-2	0
	1	25	18.33		0
	1	49	18.30		0
	25	0	18.13	0-3	0
	25	12	18.19		0
	25	25	18.20		0
	50	0	18.15		0
256QAM	1	0	18.13	0-5	0
	1	25	18.23		0
	1	49	18.19		0
	25	0	18.14		0
	25	12	18.16		0
	25	25	18.22		0
	50	0	18.21		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 97 of 387

REV 24.0
05/01/2024

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8.2.4 LTE Band 14

Table 8-11
LTE Band 14 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	17.86	0	0
	1	25	17.80		0
	1	49	17.77		0
	25	0	17.92	0-1	0
	25	12	17.90		0
	25	25	17.83		0
	50	0	17.85		0
16QAM	1	0	18.21	0-1	0
	1	25	17.98		0
	1	49	18.10		0
	25	0	17.80	0-2	0
	25	12	17.82		0
	25	25	17.85		0
	50	0	17.76		0
64QAM	1	0	18.07	0-2	0
	1	25	17.97		0
	1	49	18.01		0
	25	0	17.81	0-3	0
	25	12	17.81		0
	25	25	17.82		0
	50	0	17.77		0
256QAM	1	0	17.96	0-5	0
	1	25	17.99		0
	1	49	17.81		0
	25	0	17.78		0
	25	12	17.79		0
	25	25	17.79		0
	50	0	17.75		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 98 of 387

REV 24.0
05/01/2024

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Table 8-12
LTE Band 14 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.45	0	0
	1	25	18.32		0
	1	49	18.42		0
	25	0	18.47	0-1	0
	25	12	18.49		0
	25	25	18.41		0
	50	0	18.44		0
16QAM	1	0	18.44	0-1	0
	1	25	18.41		0
	1	49	18.36		0
	25	0	18.14	0-2	0
	25	12	18.22		0
	25	25	18.21		0
	50	0	18.17		0
64QAM	1	0	18.38	0-2	0
	1	25	18.33		0
	1	49	18.40		0
	25	0	18.18	0-3	0
	25	12	18.23		0
	25	25	18.20		0
	50	0	18.17		0
256QAM	1	0	18.29	0-5	0
	1	25	18.23		0
	1	49	18.33		0
	25	0	18.14		0
	25	12	18.19		0
	25	25	18.08		0
	50	0	18.15		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 99 of 387

REV 24.0
05/01/2024

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8.2.5 LTE Band 26

Table 8-13
LTE Band 26 (Cell) Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	16.64	16.48	16.25	0	0
	1	25	16.44	16.47	16.30		0
	1	49	16.41	16.49	16.26		0
	25	0	16.41	16.33	16.34	0-1	0
	25	12	16.52	16.44	16.44		0
	25	25	16.49	16.41	16.43		0
	50	0	16.50	16.39	16.34		0
16QAM	1	0	16.63	16.65	16.72	0-1	0
	1	25	16.66	16.65	16.62		0
	1	49	16.57	16.65	16.65		0
	25	0	16.37	16.37	16.34	0-2	0
	25	12	16.47	16.46	16.43		0
	25	25	16.48	16.47	16.41		0
	50	0	16.46	16.46	16.33		0
64QAM	1	0	16.36	16.55	16.31	0-2	0
	1	25	16.30	16.53	16.24		0
	1	49	16.28	16.51	16.32		0
	25	0	16.36	16.37	16.30	0-3	0
	25	12	16.47	16.45	16.40		0
	25	25	16.43	16.45	16.36		0
	50	0	16.45	16.43	16.33		0
256QAM	1	0	16.42	16.36	16.32	0-5	0
	1	25	16.38	16.35	16.34		0
	1	49	16.39	16.42	16.31		0
	25	0	16.36	16.47	16.42		0
	25	12	16.37	16.43	16.45		0
	25	25	16.41	16.49	16.43		0
	50	0	16.42	16.44	16.40		0

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 100 of 387

REV 24.0
05/01/2024

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Table 8-14
LTE Band 26 (Cell) Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26740	26865	26990		
			(819.0 MHz)	(831.5 MHz)	(844.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	17.31	16.99	17.19	0	0
	1	25	17.13	17.02	17.20		0
	1	49	17.19	17.06	17.16		0
	25	0	17.01	17.07	17.03	0-1	0
	25	12	17.14	17.11	17.05		0
	25	25	17.10	17.10	17.12		0
	50	0	17.13	17.11	17.06		0
16QAM	1	0	17.17	17.22	17.37	0-1	0
	1	25	17.25	17.30	17.28		0
	1	49	17.31	17.31	17.42		0
	25	0	16.99	17.14	17.04	0-2	0
	25	12	17.09	17.12	17.06		0
	25	25	17.08	17.19	17.10		0
	50	0	17.06	17.07	17.05		0
64QAM	1	0	17.22	17.16	17.28	0-2	0
	1	25	17.25	17.32	17.28		0
	1	49	17.27	17.30	17.30		0
	25	0	16.99	17.07	17.06	0-3	0
	25	12	17.10	17.14	17.08		0
	25	25	17.06	17.18	17.13		0
	50	0	17.08	17.09	17.06		0
256QAM	1	0	16.95	16.94	17.11	0-5	0
	1	25	17.25	17.22	17.31		0
	1	49	17.16	17.13	17.22		0
	25	0	17.00	17.08	17.07		0
	25	12	17.10	17.13	17.08		0
	25	25	17.05	17.15	17.14		0
	50	0	17.05	17.11	17.04		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 101 of 387

REV 24.0
05/01/2024

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8.2.6 LTE Band 5

Table 8-15
LTE Band 5 (Cell) Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20525 (836.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	16.75	0	0
	1	25	16.68		0
	1	49	16.77		0
	25	0	16.65	0-1	0
	25	12	16.69		0
	25	25	16.73		0
	50	0	16.71		0
16QAM	1	0	16.87	0-1	0
	1	25	16.82		0
	1	49	16.85		0
	25	0	16.56	0-2	0
	25	12	16.64		0
	25	25	16.60		0
	50	0	16.58		0
64QAM	1	0	16.78	0-2	0
	1	25	16.84		0
	1	49	16.82		0
	25	0	16.56	0-3	0
	25	12	16.61		0
	25	25	16.60		0
	50	0	16.58		0
256QAM	1	0	16.48	0-5	0
	1	25	16.78		0
	1	49	16.75		0
	25	0	16.53		0
	25	12	16.63		0
	25	25	16.59		0
	50	0	16.60		0

Table 8-16
LTE Band 5 (Cell) Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5B	LTE B5	10	20525	836.5	2525	881.5	QPSK	50	0	LTE B5	5	20453	829.3	2453	874.3	QPSK	25	0	16.57	16.71

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 102 of 387

REV 24.0
05/01/2024

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Table 8-17
LTE Band 5 (Cell) Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20525 (836.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	16.73	0	0
	1	25	16.88		0
	1	49	16.84		0
	25	0	16.83	0-1	0
	25	12	16.95		0
	25	25	16.81		0
	50	0	16.85		0
16QAM	1	0	17.21	0-1	0
	1	25	17.30		0
	1	49	17.27		0
	25	0	17.08	0-2	0
	25	12	17.16		0
	25	25	17.16		0
	50	0	17.04		0
64QAM	1	0	17.19	0-2	0
	1	25	17.27		0
	1	49	17.30		0
	25	0	17.09	0-3	0
	25	12	17.15		0
	25	25	17.09		0
	50	0	17.02		0
256QAM	1	0	17.14	0-5	0
	1	25	17.28		0
	1	49	17.17		0
	25	0	17.02		0
	25	12	17.14		0
	25	25	17.09		0
	50	0	17.03		0

Table 8-18
LTE Band 5 (Cell) Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

Combination	PCC Band	PCC Bandwidth [MHz]	PCC				Modulation	PCC UL#		SCC Band	SCC Bandwidth [MHz]	SCC				Modulation	SCC UL#		Power	
			PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]		PCC UL# RB	PCC UL RB Offset			SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]		SCC UL# RB	SCC UL RB Offset	LTE Tx Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5B	LTE B5	10	20525	836.5	2525	881.5	QPSK	1	49	LTE B5	5	20597	843.7	2597	888.7	QPSK	1	0	16.67	16.84

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 103 of 387

REV 24.0
05/01/2024

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8.2.7 LTE Band 66

Table 8-19
LTE Band 66 (AWS) Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072 (1720.0 MHz)	132322 (1745.0 MHz)	132572 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	11.38	11.02	11.20	0	0
	1	50	11.36	11.09	11.31		0
	1	99	11.34	11.01	11.17		0
	50	0	11.29	11.24	11.24	0-1	0
	50	25	11.37	11.35	11.34		0
	50	50	11.33	11.28	11.30		0
	100	0	11.32	11.31	11.29		0
16QAM	1	0	11.35	11.56	11.48	0-1	0
	1	50	11.33	11.51	11.61		0
	1	99	11.41	11.50	11.38		0
	50	0	11.23	11.21	11.20	0-2	0
	50	25	11.36	11.30	11.27		0
	50	50	11.34	11.29	11.19		0
	100	0	11.31	11.29	11.23		0
64QAM	1	0	11.20	11.16	11.18	0-2	0
	1	50	11.20	11.10	10.98		0
	1	99	11.29	11.25	11.25		0
	50	0	11.21	11.18	11.12	0-3	0
	50	25	11.31	11.28	11.15		0
	50	50	11.31	11.28	11.20		0
	100	0	11.30	11.27	11.22		0
256QAM	1	0	11.23	11.14	11.25	0-5	0
	1	50	11.23	11.11	11.31		0
	1	99	11.32	11.16	11.16		0
	50	0	11.21	11.21	11.18		0
	50	25	11.32	11.31	11.30		0
	50	50	11.31	11.29	11.27		0
	100	0	11.28	11.30	11.26		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 104 of 387

REV 24.0
05/01/2024

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Table 8-20
LTE Band 66 (AWS) Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072 (1720.0 MHz)	132322 (1745.0 MHz)	132572 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.17	12.31	12.13	0	0
	1	50	12.23	12.37	12.15		0
	1	99	12.21	12.34	12.05		0
	50	0	12.27	12.28	12.10	0-1	0
	50	25	12.24	12.39	12.11		0
	50	50	12.31	12.33	12.07		0
	100	0	12.23	12.30	12.05		0
16QAM	1	0	12.16	12.40	12.27	0-1	0
	1	50	12.18	12.36	12.26		0
	1	99	12.29	12.40	12.17		0
	50	0	12.14	12.16	11.98	0-2	0
	50	25	12.18	12.16	11.98		0
	50	50	12.17	12.15	12.00		0
	100	0	12.17	12.15	11.94		0
64QAM	1	0	12.21	12.22	12.04	0-2	0
	1	50	12.27	12.18	12.06		0
	1	99	12.30	12.24	11.94		0
	50	0	12.11	12.13	11.95	0-3	0
	50	25	12.13	12.14	11.95		0
	50	50	12.16	12.13	11.98		0
	100	0	12.14	12.11	11.91		0
256QAM	1	0	11.91	11.98	11.91	0-5	0
	1	50	12.04	12.05	11.96		0
	1	99	12.11	12.08	11.86		0
	50	0	11.87	11.88	11.75		0
	50	25	11.98	11.98	11.76		0
	50	50	11.98	11.97	11.81		0
	100	0	11.97	11.96	11.74		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 105 of 387

REV 24.0
05/01/2024

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Table 8-21
LTE Band 66 (AWS) Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072 (1720.0 MHz)	132322 (1745.0 MHz)	132572 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.18	12.31	12.13	0	0
	1	50	12.36	12.37	12.11		0
	1	99	12.21	12.26	12.04		0
	50	0	12.23	12.32	12.22	0-1	0
	50	25	12.43	12.44	12.07		0
	50	50	12.20	12.31	12.09		0
	100	0	12.30	12.22	12.08		0
16QAM	1	0	12.31	12.10	12.27	0-1	0
	1	50	12.46	12.13	12.41		0
	1	99	12.36	12.17	12.27		0
	50	0	12.10	12.04	12.03	0-2	0
	50	25	12.12	12.06	12.19		0
	50	50	12.10	12.06	12.15		0
	100	0	12.10	12.03	12.03		0
64QAM	1	0	12.27	12.04	12.17	0-2	0
	1	50	12.39	12.11	12.37		0
	1	99	12.40	12.18	12.20		0
	50	0	12.09	12.04	12.03	0-3	0
	50	25	12.10	12.05	12.15		0
	50	50	12.12	12.06	12.15		0
	100	0	12.11	12.03	12.05		0
256QAM	1	0	12.26	12.12	12.24	0-5	0
	1	50	12.31	12.13	12.39		0
	1	99	12.42	12.14	12.20		0
	50	0	12.09	12.02	12.03		0
	50	25	12.10	12.05	12.13		0
	50	50	12.12	12.07	12.15		0
	100	0	12.09	12.04	12.05		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 106 of 387

REV 24.0
05/01/2024

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Table 8-22
LTE Band 66 (AWS) Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072 (1720.0 MHz)	132322 (1745.0 MHz)	132572 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.57	12.54	12.41	0	0
	1	50	12.66	12.59	12.52		0
	1	99	12.56	12.42	12.32		0
	50	0	12.59	12.53	12.52	0-1	0
	50	25	12.69	12.56	12.58		0
	50	50	12.63	12.55	12.54		0
	100	0	12.61	12.51	12.48		0
16QAM	1	0	12.78	12.74	12.80	0-1	0
	1	50	12.78	12.91	12.74		0
	1	99	12.93	12.80	12.69		0
	50	0	12.59	12.64	12.48	0-2	0
	50	25	12.70	12.75	12.44		0
	50	50	12.71	12.72	12.48		0
	100	0	12.68	12.73	12.41		0
64QAM	1	0	12.74	12.83	12.63	0-2	0
	1	50	12.81	13.07	12.68		0
	1	99	12.87	12.85	12.56		0
	50	0	12.55	12.67	12.45	0-3	0
	50	25	12.67	12.74	12.41		0
	50	50	12.69	12.71	12.46		0
	100	0	12.66	12.72	12.40		0
256QAM	1	0	12.59	12.72	12.61	0-5	0
	1	50	12.70	12.82	12.58		0
	1	99	12.80	12.73	12.46		0
	50	0	12.55	12.61	12.43		0
	50	25	12.65	12.68	12.41		0
	50	50	12.68	12.66	12.38		0
	100	0	12.65	12.59	12.43		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 107 of 387

REV 24.0
05/01/2024

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8.2.8 LTE Band 25

Table 8-23
LTE Band 25 (PCS) Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140 (1860.0 MHz)	26365 (1882.5 MHz)	26590 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.62	10.23	10.38	0	0
	1	50	10.77	10.46	10.55		0
	1	99	10.58	10.22	10.41		0
	50	0	10.46	10.52	10.50	0-1	0
	50	25	10.58	10.56	10.57		0
	50	50	10.54	10.55	10.56		0
	100	0	10.52	10.36	10.54		0
16QAM	1	0	10.57	10.64	10.84	0-1	0
	1	50	10.77	10.79	10.99		0
	1	99	10.60	10.67	10.67		0
	50	0	10.53	10.58	10.64	0-2	0
	50	25	10.61	10.59	10.65		0
	50	50	10.59	10.64	10.72		0
	100	0	10.55	10.58	10.63		0
64QAM	1	0	10.49	10.63	10.62	0-2	0
	1	50	10.65	10.84	10.81		0
	1	99	10.50	10.65	10.67		0
	50	0	10.41	10.51	10.54	0-3	0
	50	25	10.51	10.61	10.64		0
	50	50	10.52	10.60	10.58		0
	100	0	10.47	10.50	10.60		0
256QAM	1	0	10.58	10.67	10.76	0-5	0
	1	50	10.67	10.80	10.78		0
	1	99	10.81	10.70	10.81		0
	50	0	10.35	10.46	10.52		0
	50	25	10.51	10.62	10.63		0
	50	50	10.51	10.59	10.59		0
	100	0	10.49	10.52	10.62		0

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 108 of 387

REV 24.0
05/01/2024

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Table 8-24
LTE Band 25 (PCS) Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140 (1860.0 MHz)	26365 (1882.5 MHz)	26590 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	13.12	13.29	12.96	0	0
	1	50	13.25	13.32	12.91		0
	1	99	13.14	13.24	12.88		0
	50	0	13.13	13.23	13.12	0-1	0
	50	25	13.21	13.21	13.13		0
	50	50	13.24	13.28	13.09		0
	100	0	13.20	13.22	13.15		0
16QAM	1	0	13.07	13.06	12.93	0-1	0
	1	50	13.21	13.17	13.00		0
	1	99	13.14	13.09	12.84		0
	50	0	12.90	12.97	12.85	0-2	0
	50	25	12.99	13.01	12.81		0
	50	50	12.99	12.97	12.87		0
	100	0	12.97	12.99	12.81		0
64QAM	1	0	12.83	12.89	12.96	0-2	0
	1	50	12.92	12.85	12.92		0
	1	99	12.90	12.83	12.86		0
	50	0	12.93	12.98	12.88	0-3	0
	50	25	13.05	13.02	12.82		0
	50	50	13.02	13.03	12.86		0
	100	0	12.98	13.00	12.84		0
256QAM	1	0	12.84	12.89	12.84	0-5	0
	1	50	12.91	12.89	12.83		0
	1	99	12.90	12.83	12.78		0
	50	0	12.93	12.98	12.85		0
	50	25	13.00	13.04	12.82		0
	50	50	13.03	13.01	12.89		0
	100	0	13.00	13.00	12.84		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 109 of 387

REV 24.0
05/01/2024

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Table 8-25
LTE Band 25 (PCS) Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140 (1860.0 MHz)	26365 (1882.5 MHz)	26590 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.57	12.35	12.46	0	0
	1	50	12.65	12.40	12.54		0
	1	99	12.51	12.34	12.45		0
	50	0	12.60	12.48	12.50	0-1	0
	50	25	12.68	12.43	12.53		0
	50	50	12.67	12.40	12.58		0
	100	0	12.64	12.49	12.51		0
16QAM	1	0	12.50	12.68	12.68	0-1	0
	1	50	12.60	12.67	12.81		0
	1	99	12.57	12.67	12.73		0
	50	0	12.44	12.47	12.47	0-2	0
	50	25	12.47	12.47	12.50		0
	50	50	12.51	12.50	12.51		0
	100	0	12.47	12.41	12.51		0
64QAM	1	0	12.33	12.49	12.37	0-2	0
	1	50	12.30	12.53	12.43		0
	1	99	12.32	12.47	12.41		0
	50	0	12.41	12.53	12.45	0-3	0
	50	25	12.53	12.52	12.55		0
	50	50	12.51	12.54	12.51		0
	100	0	12.48	12.48	12.52		0
256QAM	1	0	12.33	12.46	12.42	0-5	0
	1	50	12.35	12.53	12.44		0
	1	99	12.35	12.49	12.40		0
	50	0	12.41	12.49	12.47		0
	50	25	12.54	12.49	12.57		0
	50	50	12.52	12.56	12.51		0
	100	0	12.46	12.46	12.54		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 110 of 387

REV 24.0
05/01/2024

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Table 8-26
LTE Band 25 (PCS) Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140 (1860.0 MHz)	26365 (1882.5 MHz)	26590 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.78	12.96	12.87	0	0
	1	50	12.92	13.03	12.90		0
	1	99	12.91	12.90	12.72		0
	50	0	12.88	12.95	13.02	0-1	0
	50	25	12.99	12.98	13.02		0
	50	50	13.01	13.03	12.95		0
	100	0	12.97	12.94	12.95		0
16QAM	1	0	12.87	13.15	13.16	0-1	0
	1	50	12.87	13.13	13.29		0
	1	99	12.90	13.09	13.11		0
	50	0	12.78	12.94	12.89	0-2	0
	50	25	12.87	12.91	12.85		0
	50	50	12.91	12.99	12.96		0
	100	0	12.83	12.92	12.89		0
64QAM	1	0	12.83	12.95	12.82	0-2	0
	1	50	13.32	13.11	12.90		0
	1	99	12.92	12.96	12.78		0
	50	0	12.76	12.82	12.82	0-3	0
	50	25	12.83	12.84	12.84		0
	50	50	12.86	12.92	12.84		0
	100	0	12.80	12.84	12.85		0
256QAM	1	0	12.85	12.92	12.88	0-5	0
	1	50	12.88	13.01	12.84		0
	1	99	12.98	12.96	12.92		0
	50	0	12.72	12.85	12.77		0
	50	25	12.82	12.85	12.81		0
	50	50	12.84	13.02	12.82		0
	100	0	12.79	12.83	12.84		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 111 of 387

REV 24.0
05/01/2024

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8.2.9 LTE Band 30

Table 8-27
LTE Band 30 Measured P_{Limit} Antenna 1b - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	11.65	0	0
	1	25	11.61		0
	1	49	11.52		0
	25	0	11.58	0-1	0
	25	12	11.64		0
	25	25	11.62		0
	50	0	11.59		0
16QAM	1	0	12.03	0-1	0
	1	25	12.00		0
	1	49	11.99		0
	25	0	11.78	0-2	0
	25	12	11.77		0
	25	25	11.76		0
	50	0	11.76		0
64QAM	1	0	12.02	0-2	0
	1	25	12.04		0
	1	49	12.00		0
	25	0	11.89	0-3	0
	25	12	11.91		0
	25	25	11.86		0
	50	0	11.85		0
256QAM	1	0	11.94	0-5	0
	1	25	12.03		0
	1	49	11.95		0
	25	0	11.84		0
	25	12	11.87		0
	25	25	11.86		0
	50	0	11.85		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 112 of 387

REV 24.0
05/01/2024

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Table 8-28
LTE Band 30 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	11.96	0	0
	1	25	12.04		0
	1	49	11.91		0
	25	0	12.05	0-1	0
	25	12	12.10		0
	25	25	11.97		0
	50	0	12.03		0
16QAM	1	0	12.03	0-1	0
	1	25	12.01		0
	1	49	11.97		0
	25	0	11.84	0-2	0
	25	12	11.92		0
	25	25	11.75		0
	50	0	11.80		0
64QAM	1	0	11.95	0-2	0
	1	25	12.00		0
	1	49	11.91		0
	25	0	11.85	0-3	0
	25	12	11.82		0
	25	25	11.77		0
	50	0	11.81		0
256QAM	1	0	12.02	0-5	0
	1	25	12.03		0
	1	49	11.98		0
	25	0	11.76		0
	25	12	11.83		0
	25	25	11.80		0
	50	0	11.79		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 113 of 387

REV 24.0
05/01/2024

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Table 8-29
LTE Band 30 Measured P_{Limit} Antenna 3b - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	13.64	0	0
	1	25	13.71		0
	1	49	13.57		0
	25	0	13.68	0-1	0
	25	12	13.73		0
	25	25	13.59		0
	50	0	13.67		0
16QAM	1	0	13.60	0-1	0
	1	25	13.62		0
	1	49	13.61		0
	25	0	13.36	0-2	0
	25	12	13.40		0
	25	25	13.37		0
	50	0	13.35		0
64QAM	1	0	13.69	0-2	0
	1	25	13.63		0
	1	49	13.66		0
	25	0	13.37	0-3	0
	25	12	13.40		0
	25	25	13.37		0
	50	0	13.36		0
256QAM	1	0	13.63	0-5	0
	1	25	13.70		0
	1	49	13.61		0
	25	0	13.37		0
	25	12	13.39		0
	25	25	13.38		0
	50	0	13.37		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 114 of 387

REV 24.0
05/01/2024

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Table 8-30
LTE Band 30 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	11.88	0	0
	1	25	11.99		0
	1	49	11.79		0
	25	0	11.99	0-1	0
	25	12	12.03		0
	25	25	12.00		0
	50	0	11.92		0
16QAM	1	0	12.35	0-1	0
	1	25	12.32		0
	1	49	12.27		0
	25	0	12.15	0-2	0
	25	12	12.19		0
	25	25	12.07		0
	50	0	12.14		0
64QAM	1	0	12.18	0-2	0
	1	25	12.21		0
	1	49	12.14		0
	25	0	12.12	0-3	0
	25	12	12.16		0
	25	25	12.02		0
	50	0	12.10		0
256QAM	1	0	12.27	0-5	0
	1	25	12.30		0
	1	49	12.15		0
	25	0	12.21		0
	25	12	12.26		0
	25	25	12.26		0
	50	0	12.21		0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 115 of 387

REV 24.0
05/01/2024

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8.2.10 LTE Band 7

Table 8-31
LTE Band 7 Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850 (2510.0 MHz)	21100 (2535.0 MHz)	21350 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.27	12.05	12.17	0	0
	1	50	12.42	12.26	12.31		0
	1	99	12.24	12.03	12.15		0
	50	0	12.38	12.35	12.36	0-1	0
	50	25	12.31	12.32	12.32		0
	50	50	12.37	12.29	12.26		0
	100	0	12.26	12.25	12.28		0
16QAM	1	0	12.33	12.38	12.42	0-1	0
	1	50	12.29	12.53	12.49		0
	1	99	12.28	12.38	12.36		0
	50	0	12.27	12.25	12.23	0-2	0
	50	25	12.20	12.26	12.25		0
	50	50	12.23	12.19	12.16		0
	100	0	12.18	12.25	12.20		0
64QAM	1	0	12.13	12.10	12.20	0-2	0
	1	50	12.18	12.10	12.31		0
	1	99	12.13	12.10	12.23		0
	50	0	12.24	12.24	12.20	0-3	0
	50	25	12.22	12.28	12.25		0
	50	50	12.19	12.17	12.17		0
	100	0	12.17	12.25	12.20		0
256QAM	1	0	12.14	12.07	12.12	0-5	0
	1	50	12.20	12.06	12.18		0
	1	99	12.12	12.10	12.15		0
	50	0	12.24	12.24	12.22		0
	50	25	12.21	12.29	12.26		0
	50	50	12.20	12.18	12.19		0
	100	0	12.19	12.25	12.20		0

Table 8-32
LTE Band 7 Antenna 1b Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx.Power (dBm)
CA_7C	LTE B7	20	20850	2510.0	2850	2630.0	QPSK	50	50	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	50	0	12.35	12.37

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 116 of 387

REV 24.0
05/01/2024

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Table 8-33
LTE Band 7 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850 (2510.0 MHz)	21100 (2535.0 MHz)	21350 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	11.40	11.32	11.21	0	0
	1	50	11.51	11.35	11.30		0
	1	99	11.36	11.19	11.14		0
	50	0	11.53	11.40	11.33	0-1	0
	50	25	11.56	11.43	11.41		0
	50	50	11.42	11.34	11.34		0
	100	0	11.43	11.36	11.35		0
16QAM	1	0	11.18	11.12	11.16	0-1	0
	1	50	11.28	11.16	11.31		0
	1	99	11.21	11.23	11.23		0
	50	0	11.16	11.07	11.03	0-2	0
	50	25	11.15	11.04	11.07		0
	50	50	11.11	11.03	11.04		0
	100	0	11.05	11.03	11.05		0
64QAM	1	0	11.16	11.14	11.21	0-2	0
	1	50	11.22	11.20	11.32		0
	1	99	11.23	11.14	11.21		0
	50	0	11.14	11.06	11.07	0-3	0
	50	25	11.17	11.05	11.08		0
	50	50	11.06	11.00	11.05		0
	100	0	11.07	11.01	11.05		0
256QAM	1	0	11.19	11.12	11.20	0-5	0
	1	50	11.28	11.30	11.23		0
	1	99	11.19	11.14	11.21		0
	50	0	11.16	11.05	11.06		0
	50	25	11.14	11.05	11.10		0
	50	50	11.12	11.00	11.03		0
	100	0	11.08	11.01	11.07		0

Table 8-34
LTE Band 7 Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC								Power		
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_7C	LTE B7	20	20850	2510.0	2850	2630.0	QPSK	50	50	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	50	0	11.48	11.42

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 117 of 387

REV 24.0
05/01/2024

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Table 8-35
LTE Band 7 Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850 (2510.0 MHz)	21100 (2535.0 MHz)	21350 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.59	12.70	12.69	0	0
	1	50	12.69	12.78	12.86		0
	1	99	12.63	12.72	12.77		0
	50	0	12.75	12.67	12.68	0-1	0
	50	25	12.77	12.77	12.78		0
	50	50	12.68	12.68	12.66		0
	100	0	12.70	12.66	12.67		0
16QAM	1	0	12.83	12.81	12.82	0-1	0
	1	50	12.76	12.85	12.84		0
	1	99	12.77	12.74	12.80		0
	50	0	12.69	12.65	12.66	0-2	0
	50	25	12.69	12.66	12.68		0
	50	50	12.65	12.68	12.67		0
	100	0	12.61	12.60	12.66		0
64QAM	1	0	12.80	12.74	12.76	0-2	0
	1	50	12.80	12.88	12.96		0
	1	99	12.75	12.69	12.83		0
	50	0	12.69	12.63	12.67	0-3	0
	50	25	12.71	12.64	12.70		0
	50	50	12.61	12.68	12.65		0
	100	0	12.61	12.64	12.63		0
256QAM	1	0	12.56	12.49	12.58	0-5	0
	1	50	12.57	12.49	12.59		0
	1	99	12.53	12.47	12.60		0
	50	0	12.66	12.62	12.60		0
	50	25	12.66	12.60	12.63		0
	50	50	12.61	12.59	12.66		0
	100	0	12.55	12.62	12.62		0

Table 8-36
LTE Band 7 Antenna 3b Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx.Power (dBm)
CA_7C	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	50	0	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	50	50	12.60	12.68

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 118 of 387

REV 24.0
05/01/2024

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Table 8-37
LTE Band 7 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850	21100	21350		
			(2510.0 MHz)	(2535.0 MHz)	(2560.0 MHz)		
Conducted Power [dBm]							
QPSK	1	0	10.21	10.34	10.23	0	0
	1	50	10.38	10.47	10.37		0
	1	99	10.34	10.32	10.22		0
	50	0	10.37	10.40	10.31	0-1	0
	50	25	10.42	10.43	10.42		0
	50	50	10.36	10.38	10.27		0
	100	0	10.42	10.38	10.27		0
16QAM	1	0	10.21	10.31	10.34	0-1	0
	1	50	10.37	10.38	10.49		0
	1	99	10.30	10.35	10.34		0
	50	0	10.19	10.27	10.25	0-2	0
	50	25	10.14	10.27	10.23		0
	50	50	10.17	10.23	10.17		0
	100	0	10.12	10.26	10.24		0
64QAM	1	0	10.23	10.37	10.30	0-2	0
	1	50	10.34	10.47	10.44		0
	1	99	10.29	10.40	10.34		0
	50	0	10.21	10.27	10.27	0-3	0
	50	25	10.18	10.25	10.25		0
	50	50	10.17	10.24	10.20		0
	100	0	10.16	10.27	10.24		0
256QAM	1	0	10.29	10.31	10.39	0-5	0
	1	50	10.45	10.49	10.46		0
	1	99	10.34	10.45	10.40		0
	50	0	10.20	10.27	10.26		0
	50	25	10.17	10.28	10.23		0
	50	50	10.19	10.24	10.17		0
	100	0	10.16	10.25	10.23		0

Table 8-38
LTE Band 7 Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC					SCC								Power		
					PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_7C	LTE B7	20	21100	2535.0	3100	2655.0	QPSK	50	0	LTE B7	20	20902	2515.2	2902	2635.2	QPSK	50	50	10.55	10.40

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 119 of 387

REV 24.0
05/01/2024

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8.2.11 LTE Band 41

Table 8-39
LTE Band 41 PC3 Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.39	13.24	13.26	13.17	13.01	0	0
	1	50	13.33	13.36	13.44	13.26	13.20		0
	1	99	13.38	13.20	13.27	13.27	13.24		0
	50	0	13.42	13.42	13.49	13.29	13.21	0-1	0
	50	25	13.45	13.39	13.40	13.25	13.31		0
	50	50	13.46	13.34	13.39	13.24	13.23		0
	100	0	13.39	13.35	13.41	13.27	13.28		0
16QAM	1	0	13.42	13.33	13.37	13.17	13.07	0-1	0
	1	50	13.36	13.40	13.44	13.21	13.20		0
	1	99	13.52	13.43	13.43	13.28	13.27		0
	50	0	13.58	13.46	13.40	13.22	13.19	0-2	0
	50	25	13.60	13.44	13.46	13.28	13.30		0
	50	50	13.51	13.43	13.37	13.24	13.27		0
	100	0	13.58	13.39	13.34	13.29	13.28		0
64QAM	1	0	13.48	13.33	13.28	13.19	13.09	0-2	0
	1	50	13.50	13.36	13.32	13.18	13.15		0
	1	99	13.49	13.35	13.39	13.36	13.29		0
	50	0	13.61	13.51	13.40	13.24	13.22	0-3	0
	50	25	13.60	13.51	13.43	13.32	13.30		0
	50	50	13.58	13.46	13.40	13.25	13.26		0
	100	0	13.58	13.50	13.37	13.30	13.29		0
256QAM	1	0	13.26	13.13	13.13	12.99	12.85	0-5	0
	1	50	13.30	13.17	13.15	13.02	12.94		0
	1	99	13.27	13.13	13.24	13.11	13.01		0
	50	0	13.40	13.30	13.21	13.06	12.99		0
	50	25	13.39	13.31	13.26	13.12	13.06		0
	50	50	13.37	13.26	13.21	13.07	13.02		0
	100	0	13.39	13.30	13.16	13.10	13.05		0

Table 8-40
LTE Band 41 PC3 Antenna 1b Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	41490	2680.0	QPSK	50	0	LTE B41	20	41292	2660.2	QPSK	50	50	13.27	13.21

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 120 of 387

REV 24.0
05/01/2024

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Table 8-41
LTE Band 41 PC2 Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.01	14.97	14.92	14.78	14.79	0	0
	1	50	15.05	15.04	14.97	14.82	14.88		0
	1	99	15.08	14.88	14.95	14.87	14.90		0
	50	0	15.17	15.14	15.06	14.91	14.93	0-1	0
	50	25	15.11	15.07	15.10	14.97	15.01		0
	50	50	15.13	15.04	15.00	14.86	14.94		0
	100	0	15.07	15.05	15.07	14.96	14.97		0

Table 8-42
LTE Band 41 PC2 Antenna 1b Uplink Carrier Aggregation Measured P_{Limit}

Combination	PCC							SCC							Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	41490	2680.0	QPSK	50	0	LTE B41 PC2	20	41292	2660.2	QPSK	50	50	14.92	14.93

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 121 of 387

REV 24.0
05/01/2024

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Table 8-43
LTE Band 41 PC3 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.74	13.56	13.43	13.54	13.53	0	0
	1	50	13.83	13.54	13.45	13.56	13.50		0
	1	99	13.77	13.49	13.61	13.65	13.52		0
	50	0	13.94	13.72	13.54	13.68	13.50	0-1	0
	50	25	13.85	13.61	13.62	13.75	13.62		0
	50	50	13.87	13.60	13.58	13.63	13.53		0
	100	0	13.82	13.60	13.59	13.69	13.54		0
16QAM	1	0	13.73	13.58	13.74	13.74	13.64	0-1	0
	1	50	13.89	13.91	13.68	13.72	13.84		0
	1	99	13.92	13.55	13.67	13.79	13.66		0
	50	0	13.94	13.86	13.67	13.77	13.70	0-2	0
	50	25	13.99	13.73	13.73	13.86	13.70		0
	50	50	13.91	13.70	13.63	13.77	13.60		0
	100	0	13.92	13.74	13.70	13.78	13.69		0
64QAM	1	0	13.77	13.70	13.61	13.59	13.46	0-2	0
	1	50	13.78	13.74	13.62	13.80	13.78		0
	1	99	13.79	13.61	13.79	13.71	13.58		0
	50	0	13.95	13.86	13.68	13.76	13.69	0-3	0
	50	25	13.98	13.77	13.72	13.84	13.72		0
	50	50	13.86	13.73	13.66	13.74	13.61		0
	100	0	13.92	13.71	13.71	13.85	13.67		0
256QAM	1	0	13.91	13.70	13.52	13.71	13.68	0-5	0
	1	50	13.94	13.66	13.56	13.73	13.61		0
	1	99	13.75	13.50	13.62	13.82	13.60		0
	50	0	13.91	13.76	13.64	13.77	13.67		0
	50	25	13.90	13.69	13.69	13.84	13.71		0
	50	50	13.86	13.67	13.60	13.74	13.61		0
	100	0	13.85	13.68	13.64	13.78	13.65		0

Table 8-44
LTE Band 41 PC3 Uplink Carrier Aggregation Measured P_{Limit} Antenna 2

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	39750	2506.0	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	13.76	13.77

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 122 of 387

REV 24.0
05/01/2024

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Table 8-45
LTE Band 41 PC2 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.06	14.80	14.73	14.74	14.72	0	0
	1	50	15.10	14.89	14.83	14.81	14.79		0
	1	99	15.08	14.73	14.92	14.86	14.82		0
	50	0	15.14	14.92	14.85	14.88	14.80	0-1	0
	50	25	15.13	14.88	14.91	14.94	14.84		0
	50	50	15.11	14.85	14.87	14.88	14.78		0
	100	0	15.06	14.84	14.89	14.90	14.80		0

Table 8-46
LTE Band 41 PC2 Uplink Carrier Aggregation Measured P_{Limit} Antenna 2

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	39750	2506.0	QPSK	1	99	LTE B41 PC2	20	39948	2525.8	QPSK	1	0	15.22	15.08

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 123 of 387

REV 24.0
05/01/2024

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Table 8-47
LTE Band 41 PC3 Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.94	14.04	14.13	13.81	13.78	0	0
	1	50	13.91	14.19	14.08	13.75	13.81		0
	1	99	13.90	14.17	14.09	13.84	13.93		0
	50	0	14.05	14.18	14.22	13.93	13.92	0-1	0
	50	25	14.02	14.14	14.20	13.92	13.90		0
	50	50	14.06	14.23	14.16	13.86	13.89		0
	100	0	14.03	14.14	14.12	13.92	13.95		0
16QAM	1	0	13.89	13.73	13.75	13.50	13.36	0-1	0
	1	50	13.91	13.79	13.89	13.54	13.44		0
	1	99	13.88	13.68	13.77	13.60	13.58		0
	50	0	13.99	13.85	13.76	13.57	13.50	0-2	0
	50	25	13.93	13.85	13.81	13.64	13.59		0
	50	50	13.95	13.83	13.75	13.57	13.55		0
	100	0	13.95	13.85	13.70	13.62	13.59		0
64QAM	1	0	13.93	13.72	13.77	13.54	13.39	0-2	0
	1	50	14.06	13.83	13.79	13.68	13.59		0
	1	99	13.85	13.72	13.82	13.65	13.63		0
	50	0	14.03	13.91	13.78	13.61	13.56	0-3	0
	50	25	13.97	13.90	13.84	13.69	13.60		0
	50	50	14.01	13.86	13.76	13.65	13.60		0
	100	0	13.98	13.89	13.75	13.67	13.59		0
256QAM	1	0	13.88	13.74	13.69	13.46	13.46	0-5	0
	1	50	13.97	13.86	13.79	13.65	13.58		0
	1	99	13.92	13.81	13.81	13.65	13.58		0
	50	0	14.03	13.90	13.81	13.63	13.55		0
	50	25	13.97	13.90	13.84	13.65	13.63		0
	50	50	13.98	13.84	13.78	13.63	13.58		0
	100	0	13.96	13.87	13.76	13.67	13.60		0

Table 8-48
LTE Band 41 PC3 Uplink Carrier Aggregation Measured P_{Limit} Antenna 3b

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	41490	2680.0	QPSK	50	0	LTE B41	20	41292	2660.2	QPSK	50	50	13.89	13.92

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 124 of 387

REV 24.0
05/01/2024

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Table 8-49
LTE Band 41 PC2 Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.64	15.65	15.56	15.33	15.28	0	0
	1	50	15.72	15.75	15.63	15.39	15.38		0
	1	99	15.64	15.65	15.62	15.45	15.43		0
	50	0	15.78	15.72	15.73	15.46	15.41	0-1	0
	50	25	15.75	15.80	15.74	15.49	15.34		0
	50	50	15.71	15.63	15.70	15.40	15.27		0
	100	0	15.70	15.70	15.66	15.42	15.33		0

Table 8-50
LTE Band 41 PC2 Uplink Carrier Aggregation Measured P_{Limit} Antenna 3b

Combination	PCC							SCC							Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	41490	2680.0	QPSK	50	0	LTE B41 PC2	20	41292	2660.2	QPSK	50	50	15.11	15.41

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 125 of 387

REV 24.0
05/01/2024

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Table 8-51
LTE Band 41 PC3 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	12.08	11.95	11.93	12.03	11.95	0	0
	1	50	12.19	12.02	12.03	12.14	12.03		0
	1	99	12.12	11.92	12.07	12.13	12.09		0
	50	0	12.27	12.13	12.05	12.15	12.04	0-1	0
	50	25	12.22	12.08	12.14	12.23	12.14		0
	50	50	12.19	12.07	12.06	12.13	12.03		0
	100	0	12.16	12.06	12.11	12.15	12.07		0
16QAM	1	0	11.86	11.63	11.76	11.70	11.78	0-1	0
	1	50	11.98	11.83	11.84	11.85	11.77		0
	1	99	11.84	11.71	11.86	11.85	11.91		0
	50	0	11.97	11.82	11.74	11.80	11.83	0-2	0
	50	25	11.89	11.74	11.82	11.88	11.91		0
	50	50	11.89	11.79	11.78	11.86	11.88		0
	100	0	11.91	11.74	11.81	11.88	11.91		0
64QAM	1	0	11.87	11.66	11.64	11.71	11.68	0-2	0
	1	50	11.91	11.73	11.69	11.80	11.72		0
	1	99	11.90	11.70	11.78	11.90	11.83		0
	50	0	12.00	11.85	11.71	11.81	11.83	0-3	0
	50	25	11.91	11.79	11.77	11.87	11.89		0
	50	50	11.93	11.82	11.76	11.84	11.84		0
	100	0	11.90	11.77	11.78	11.85	11.84		0
256QAM	1	0	11.89	11.71	11.66	11.72	11.69	0-5	0
	1	50	11.90	11.78	11.70	11.81	11.75		0
	1	99	11.94	11.75	11.82	11.94	11.87		0
	50	0	11.98	11.86	11.75	11.80	11.84		0
	50	25	11.92	11.82	11.80	11.87	11.90		0
	50	50	11.92	11.85	11.78	11.85	11.86		0
	100	0	11.93	11.80	11.81	11.88	11.87		0

Table 8-52
LTE Band 41 PC3 Uplink Carrier Aggregation Measured P_{Limit} Antenna 4

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	41490	2680.0	QPSK	50	0	LTE B41	20	41292	2660.2	QPSK	50	50	12.35	12.04

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 126 of 387

REV 24.0
05/01/2024

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Table 8-53
LTE Band 41 PC2 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.29	14.24	14.08	14.18	14.19	0	0
	1	50	14.41	14.30	14.26	14.34	14.22		0
	1	99	14.31	14.18	14.30	14.29	14.20		0
	50	0	14.51	14.42	14.22	14.31	14.29	0-1	0
	50	25	14.46	14.45	14.28	14.39	14.32		0
	50	50	14.47	14.31	14.21	14.33	14.22		0
	100	0	14.40	14.38	14.22	14.36	14.31		0

Table 8-54
LTE Band 41 PC2 Uplink Carrier Aggregation Measured P_{Limit} Antenna 4

Combination	PCC							SCC							Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	41490	2680.0	QPSK	50	0	LTE B41 PC2	20	41292	2660.2	QPSK	50	50	14.30	14.29

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 127 of 387

REV 24.0
05/01/2024

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8.2.12 LTE Band 48

Table 8-55
LTE Band 48 Measured P_{Limit} Antenna 1a - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	10.43	10.36	10.59	10.53	0	0
	1	50	10.54	10.55	10.74	10.67		0
	1	99	10.50	10.47	10.57	10.58		0
	50	0	10.63	10.53	10.70	10.62	0-1	0
	50	25	10.62	10.68	10.80	10.75		0
	50	50	10.61	10.67	10.77	10.73		0
	100	0	10.63	10.60	10.71	10.69		0
16QAM	1	0	10.28	10.21	10.38	10.29	0-1	0
	1	50	10.45	10.49	10.57	10.33		0
	1	99	10.32	10.36	10.52	10.32		0
	50	0	10.42	10.30	10.43	10.41	0-2	0
	50	25	10.36	10.42	10.56	10.53		0
	50	50	10.40	10.45	10.53	10.50		0
	100	0	10.39	10.41	10.49	10.47		0
64QAM	1	0	10.04	10.27	10.16	10.41	0-2	0
	1	50	10.10	10.47	10.29	10.38		0
	1	99	10.07	10.39	10.31	10.46		0
	50	0	10.36	10.28	10.37	10.34	0-3	0
	50	25	10.41	10.43	10.51	10.53		0
	50	50	10.40	10.44	10.54	10.51		0
	100	0	10.38	10.39	10.46	10.48		0
256QAM	1	0	10.18	10.32	10.27	10.40	0-5	0
	1	50	10.38	10.46	10.55	10.48		0
	1	99	10.35	10.50	10.50	10.53		0
	50	0	10.37	10.49	10.56	10.42		0
	50	25	10.41	10.40	10.52	10.44		0
	50	50	10.43	10.43	10.49	10.49		0
	100	0	10.40	10.38	10.47	10.41		0

Table 8-56
LTE Band 48 Antenna 1a Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Carrier Tx Power (dBm)
CA_48C	LTE B48	20	55773	3603.3	QPSK	1	0	LTE B48	20	55575	3583.5	QPSK	1	99	10.32	10.36

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 128 of 387

REV 24.0
05/01/2024

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Table 8-57
LTE Band 48 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.39	12.46	12.52	12.60	0	0
	1	50	12.46	12.53	12.58	12.55		0
	1	99	12.37	12.48	12.49	12.63		0
	50	0	12.44	12.52	12.56	12.65	0-1	0
	50	25	12.55	12.59	12.63	12.66		0
	50	50	12.53	12.62	12.61	12.64		0
	100	0	12.51	12.61	12.56	12.62		0
16QAM	1	0	12.36	12.21	12.29	12.40	0-1	0
	1	50	12.42	12.30	12.44	12.63		0
	1	99	12.58	12.33	12.38	12.45		0
	50	0	12.47	12.52	12.48	12.59	0-2	0
	50	25	12.51	12.49	12.53	12.62		0
	50	50	12.53	12.56	12.55	12.60		0
	100	0	12.50	12.53	12.52	12.57		0
64QAM	1	0	12.24	12.28	12.39	12.33	0-2	0
	1	50	12.33	12.22	12.48	12.53		0
	1	99	12.26	12.32	12.56	12.58		0
	50	0	12.43	12.45	12.50	12.45	0-3	0
	50	25	12.49	12.44	12.44	12.49		0
	50	50	12.48	12.53	12.47	12.50		0
	100	0	12.46	12.37	12.43	12.44		0
256QAM	1	0	12.40	12.17	12.33	12.38	0-5	0
	1	50	12.39	12.34	12.62	12.51		0
	1	99	12.36	12.42	12.59	12.58		0
	50	0	12.52	12.51	12.54	12.46		0
	50	25	12.49	12.47	12.64	12.52		0
	50	50	12.46	12.53	12.57	12.55		0
	100	0	12.42	12.50	12.54	12.44		0

Table 8-58
LTE Band 48 Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

Combination	PCC								SCC						Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56640	3690.0	QPSK	50	0	LTE B48	20	56442	3670.2	QPSK	50	50	12.64	12.65

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 129 of 387

REV 24.0
05/01/2024

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Table 8-59
LTE Band 48 Measured P_{Limit} Antenna 3a - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	10.29	10.32	10.28	10.29	0	0
	1	50	10.43	10.47	10.35	10.44		0
	1	99	10.38	10.33	10.27	10.42		0
	50	0	10.44	10.49	10.32	10.39	0-1	0
	50	25	10.49	10.53	10.34	10.48		0
	50	50	10.52	10.46	10.40	10.47		0
	100	0	10.43	10.45	10.31	10.41		0
16QAM	1	0	10.33	10.16	10.50	10.60	0-1	0
	1	50	10.46	10.36	10.71	10.73		0
	1	99	10.34	10.30	10.48	10.60		0
	50	0	10.41	10.34	10.58	10.59	0-2	0
	50	25	10.42	10.43	10.66	10.56		0
	50	50	10.40	10.44	10.71	10.63		0
	100	0	10.40	10.38	10.70	10.56		0
64QAM	1	0	10.33	10.34	10.50	10.53	0-2	0
	1	50	10.32	10.40	10.62	10.44		0
	1	99	10.27	10.43	10.51	10.44		0
	50	0	10.43	10.40	10.60	10.58	0-3	0
	50	25	10.44	10.44	10.72	10.56		0
	50	50	10.48	10.48	10.75	10.64		0
	100	0	10.47	10.42	10.73	10.58		0
256QAM	1	0	10.43	10.11	10.57	10.51	0-5	0
	1	50	10.44	10.26	10.54	10.57		0
	1	99	10.40	10.36	10.71	10.60		0
	50	0	10.40	10.35	10.59	10.58		0
	50	25	10.43	10.44	10.67	10.57		0
	50	50	10.42	10.42	10.70	10.63		0
	100	0	10.40	10.39	10.69	10.55		0

Table 8-60
LTE Band 48 Antenna 3a Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC						Power		
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	55340	3560.0	QPSK	50	50	LTE B48	20	55538	3579.8	QPSK	50	0	11.15	10.52

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 130 of 387

REV 24.0
05/01/2024

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Table 8-61
LTE Band 48 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	10.00	10.13	10.09	10.11	0	0
	1	50	10.14	10.35	10.16	10.22		0
	1	99	10.15	10.30	10.11	10.18		0
	50	0	10.17	10.29	10.15	10.29	0-1	0
	50	25	10.28	10.42	10.27	10.32		0
	50	50	10.27	10.35	10.24	10.33		0
	100	0	10.23	10.32	10.20	10.31		0
16QAM	1	0	10.03	10.12	10.29	10.41	0-1	0
	1	50	10.14	10.14	10.42	10.59		0
	1	99	10.01	10.20	10.38	10.28		0
	50	0	10.01	10.12	10.27	10.31	0-2	0
	50	25	10.12	10.20	10.28	10.33		0
	50	50	10.12	10.21	10.36	10.37		0
	100	0	10.05	10.17	10.28	10.31		0
64QAM	1	0	9.94	9.84	10.23	10.37	0-2	0
	1	50	9.90	9.95	10.30	10.43		0
	1	99	9.89	10.04	10.23	10.23		0
	50	0	10.01	10.13	10.32	10.29	0-3	0
	50	25	10.11	10.18	10.29	10.33		0
	50	50	10.11	10.21	10.35	10.38		0
	100	0	10.10	10.19	10.30	10.33		0
256QAM	1	0	9.85	10.01	10.27	10.24	0-5	0
	1	50	9.90	10.13	10.33	10.26		0
	1	99	9.97	10.19	10.40	10.21		0
	50	0	9.99	10.12	10.28	10.29		0
	50	25	10.09	10.16	10.30	10.31		0
	50	50	10.09	10.18	10.38	10.37		0
	100	0	10.06	10.15	10.29	10.31		0

Table 8-62
LTE Band 48 Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 48C	LTE B48	20	55773	3603.3	QPSK	50	0	LTE B48	20	55575	3583.5	QPSK	50	50	10.26	10.29

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 131 of 387

REV 24.0
05/01/2024

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Notes:

1. This device supports uplink carrier aggregation for LTE CA_7C, LTE CA_5B, LTE CA_41C and LTE CA_48C with a maximum of two component carriers. For intra-band contiguous carrier aggregation scenarios, 3GPP 36.101 Table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted powers and MPR settings in this device are permanently implemented per the above 3GPP requirements.
2. Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.

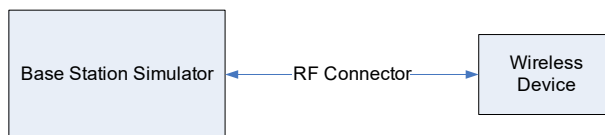


Figure 8-2
Power Measurement Setup

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 132 of 387

REV 24.0
05/01/2024

8.3 NR P_{Limit} Conducted Powers

Notes: Per October 2020 TCB Workshop Guidance, NR FR1 SAR evaluations are being generally based on adapting the existing LTE SAR procedures (FCC KDB Publication 941225 D05v02r05). Therefore, NR SAR for the lower bandwidths was not required for testing based on the measured output power and the reported NR SAR for the highest bandwidth. Lower bandwidth conducted powers for all NR bands can be found in the LTE and NR Lower Bandwidth RF Conducted Powers Appendix.

Some bands do not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

8.3.1 NR Band n71

Table 8-63
NR Band n71 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

NR Band n71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.79	0	0.0
	1	53	18.71		0.0
	1	104	18.72		0.0
	50	0	18.74	0-1	0.0
	50	28	18.70	0	0.0
	50	56	18.59	0-1	0.0
	100	0	18.68		0.0
DFT-s-OFDM 16QAM	1	1	18.90	0-1	0.0
CP-OFDM QPSK	1	1	18.91	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 133 of 387

REV 24.0
05/01/2024

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Table 8-64
NR Band n71 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

NR Band n71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.54	0	0.0
	1	53	19.60		0.0
	1	104	19.47		0.0
	50	0	19.52	0-1	0.0
	50	28	19.49	0	0.0
	50	56	19.41	0-1	0.0
	100	0	19.47		0.0
DFT-s-OFDM 16QAM	1	1	19.68	0-1	0.0
CP-OFDM QPSK	1	1	19.53	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 134 of 387

REV 24.0
05/01/2024

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8.3.2 NR Band n12

Table 8-65
NR Band n12 Measured P_{Limit} Antenna 2 - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.19	0	0.0
	1	40	18.25		0.0
	1	77	18.14		0.0
	36	0	18.26	0-1	0.0
	36	22	18.17	0	0.0
	36	43	18.20	0-1	0.0
	75	0	18.16		0.0
DFT-s-OFDM 16QAM	1	1	18.07	0-1	0.0
CP-OFDM QPSK	1	1	18.21	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 135 of 387

REV 24.0
05/01/2024

Table 8-66
NR Band n12 Measured P_{Limit} Antenna 4 - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.61	0	0.0
	1	40	18.46		0.0
	1	77	18.43		0.0
	36	0	18.56	0-1	0.0
	36	22	18.46	0	0.0
	36	43	18.38	0-1	0.0
	75	0	18.49		0.0
DFT-s-OFDM 16QAM	1	1	18.06	0-1	0.0
CP-OFDM QPSK	1	1	18.44	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 136 of 387

REV 24.0
05/01/2024

8.3.3 NR Band n14

Table 8-67
NR Band n14 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.24	0	0.0
	1	26	18.18		0.0
	1	50	18.05		0.0
	25	0	18.17	0-1	0.0
	25	14	18.16	0	0.0
	25	27	18.15	0-1	0.0
	50	0	18.12		0.0
DFT-s-OFDM 16QAM	1	1	18.19	0-1	0.0
CP-OFDM QPSK	1	1	18.24	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 137 of 387

REV 24.0
05/01/2024

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Table 8-68
NR Band n14 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.44	0	0.0
	1	26	18.42		0.0
	1	50	18.35		0.0
	25	0	18.43	0-1	0.0
	25	14	18.37	0	0.0
	25	27	18.39	0-1	0.0
	50	0	18.36		0.0
DFT-s-OFDM 16QAM	1	1	18.72	0-1	0.0
CP-OFDM QPSK	1	1	18.47	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 138 of 387

REV 24.0
05/01/2024

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8.3.4 NR Band n26

Table 8-69
NR Band n26 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.31	0	0.0
	1	53	16.40		0.0
	1	104	16.35		0.0
	50	0	16.15	0-1	0.0
	50	28	16.23	0	0.0
	50	56	16.34	0-1	0.0
	100	0	16.26		0.0
DFT-s-OFDM 16QAM	1	1	16.41	0-1	0.0
CP-OFDM QPSK	1	1	16.22	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 139 of 387

REV 24.0
05/01/2024

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Table 8-70
NR Band n26 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.82	0	0.0
	1	53	16.75		0.0
	1	104	16.85		0.0
	50	0	16.83	0-1	0.0
	50	28	16.78	0	0.0
	50	56	16.80	0-1	0.0
	100	0	16.76		0.0
DFT-s-OFDM 16QAM	1	1	16.57	0-1	0.0
CP-OFDM QPSK	1	1	16.92	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 140 of 387

REV 24.0
05/01/2024

8.3.5 NR Band n5

Table 8-71
NR Band n5 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

NR Band n5 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.83	0	0.0
	1	53	16.75		0.0
	1	104	16.77		0.0
	50	0	16.89	0-1	0.0
	50	28	16.84	0	0.0
	50	56	16.73	0-1	0.0
	100	0	16.81		0.0
DFT-s-OFDM 16QAM	1	1	16.70	0-1	0.0
CP-OFDM QPSK	1	1	16.87	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 141 of 387

REV 24.0
05/01/2024

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Table 8-72
NR Band n5 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

NR Band n5 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.91	0	0.0
	1	53	16.82		0.0
	1	104	16.88		0.0
	50	0	16.87	0-1	0.0
	50	28	16.84	0	0.0
	50	56	16.90	0-1	0.0
	100	0	16.82		0.0
DFT-s-OFDM 16QAM	1	1	16.95	0-1	0.0
CP-OFDM QPSK	1	1	16.98	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 142 of 387

REV 24.0
05/01/2024

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8.3.6 NR Band n70

Table 8-73
NR Band n70 Measured P_{Limit} Antenna 1b - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.35	0	0.0
	1	40	11.37		0.0
	1	77	11.31		0.0
	36	0	11.36	0-1	0.0
	36	22	11.34	0	0.0
	36	43	11.35	0-1	0.0
	75	0	11.32		0.0
DFT-s-OFDM 16QAM	1	1	11.55	0-1	0.0
CP-OFDM QPSK	1	1	11.48	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 143 of 387

REV 24.0
05/01/2024

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Table 8-74
NR Band n70 Measured P_{Limit} Antenna 2 - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.19	0	0.0
	1	40	12.22		0.0
	1	77	12.23		0.0
	36	0	12.18	0-1	0.0
	36	22	12.21	0	0.0
	36	43	12.24	0-1	0.0
	75	0	12.21		0.0
DFT-s-OFDM 16QAM	1	1	12.16	0-1	0.0
CP-OFDM QPSK	1	1	12.30	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 144 of 387

REV 24.0
05/01/2024

Table 8-75
NR Band n70 Measured P_{Limit} Antenna 3b - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.27	0	0.0
	1	40	12.26		0.0
	1	77	12.37		0.0
	36	0	12.28	0-1	0.0
	36	22	12.25	0	0.0
	36	43	12.36	0-1	0.0
	75	0	12.35		0.0
DFT-s-OFDM 16QAM	1	1	12.30	0-1	0.0
CP-OFDM QPSK	1	1	12.34	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 145 of 387

REV 24.0
05/01/2024

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Table 8-76
NR Band n70 Measured P_{Limit} Antenna 4 - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.37	0	0.0
	1	40	12.45		0.0
	1	77	12.44		0.0
	36	0	12.42	0-1	0.0
	36	22	12.37	0	0.0
	36	43	12.40	0-1	0.0
	75	0	12.38		0.0
DFT-s-OFDM 16QAM	1	1	12.52	0-1	0.0
CP-OFDM QPSK	1	1	12.41	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 146 of 387

REV 24.0
05/01/2024

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8.3.7 NR Band n66

Table 8-77
NR Band n66 Measured P_{Limit} Antenna 1b - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.34	0	0.0
	1	108	11.29		0.0
	1	214	11.23		0.0
	108	0	11.39	0-1	0.0
	108	54	11.35	0	0.0
	108	108	11.32	0-1	0.0
	216	0	11.31		0.0
DFT-s-OFDM 16QAM	1	1	11.45	0-1	0.0
CP-OFDM QPSK	1	1	11.44	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 147 of 387

REV 24.0
05/01/2024

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Table 8-78
NR Band n66 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.41	0	0.0
	1	108	12.34		0.0
	1	214	12.37		0.0
	108	0	12.43	0-1	0.0
	108	54	12.36	0	0.0
	108	108	12.35	0-1	0.0
	216	0	12.38		0.0
DFT-s-OFDM 16QAM	1	1	12.71	0-1	0.0
CP-OFDM QPSK	1	1	12.44	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 148 of 387

REV 24.0
05/01/2024

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Table 8-79
NR Band n66 Measured P_{Limit} Antenna 3b - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.55	0	0.0
	1	108	12.39		0.0
	1	214	12.41		0.0
	108	0	12.53	0-1	0.0
	108	54	12.44	0	0.0
	108	108	12.36	0-1	0.0
	216	0	12.52		0.0
DFT-s-OFDM 16QAM	1	1	12.48	0-1	0.0
CP-OFDM QPSK	1	1	12.36	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 149 of 387

REV 24.0
05/01/2024

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Table 8-80
NR Band n66 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.83	0	0.0
	1	108	12.76		0.0
	1	214	12.69		0.0
	108	0	12.77	0-1	0.0
	108	54	12.84	0	0.0
	108	108	12.82	0-1	0.0
	216	0	12.78		0.0
DFT-s-OFDM 16QAM	1	1	12.82	0-1	0.0
CP-OFDM QPSK	1	1	12.82	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 150 of 387

REV 24.0
05/01/2024

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8.3.8 NR Band n25

Table 8-81
NR Band n25 Measured P_{Limit} Antenna 1b - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.86	0	0.0
	1	108	10.83		0.0
	1	214	10.82		0.0
	108	0	10.91	0-1	0.0
	108	54	10.86	0	0.0
	108	108	10.84	0-1	0.0
	216	0	10.85		0.0
DFT-s-OFDM 16QAM	1	1	10.79	0-1	0.0
CP-OFDM QPSK	1	1	10.81	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 151 of 387

REV 24.0
05/01/2024

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Table 8-82
NR Band n25 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	13.54	0	0.0
	1	108	13.61		0.0
	1	214	13.52		0.0
	108	0	13.57	0-1	0.0
	108	54	13.43	0	0.0
	108	108	13.47	0-1	0.0
	216	0	13.49		0.0
DFT-s-OFDM 16QAM	1	1	13.61	0-1	0.0
CP-OFDM QPSK	1	1	13.56	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 152 of 387

REV 24.0
05/01/2024

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Table 8-83
NR Band n25 Measured P_{Limit} Antenna 3b - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.65	0	0.0
	1	108	12.72		0.0
	1	214	12.68		0.0
	108	0	12.67	0-1	0.0
	108	54	12.69	0	0.0
	108	108	12.73	0-1	0.0
	216	0	12.64		0.0
DFT-s-OFDM 16QAM	1	1	12.53	0-1	0.0
CP-OFDM QPSK	1	1	12.67	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 153 of 387

REV 24.0
05/01/2024

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Table 8-84
NR Band n25 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.85	0	0.0
	1	108	12.75		0.0
	1	214	12.80		0.0
	108	0	12.91	0-1	0.0
	108	54	12.82	0	0.0
	108	108	12.80	0-1	0.0
	216	0	12.83		0.0
DFT-s-OFDM 16QAM	1	1	13.00	0-1	0.0
CP-OFDM QPSK	1	1	12.90	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 154 of 387

REV 24.0
05/01/2024

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8.3.9 NR Band n30

Table 8-85
NR Band n30 Measured P_{Limit} Antenna 1b - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.80	0	0.0
	1	26	11.86		0.0
	1	50	11.93		0.0
	25	0	11.78	0-1	0.0
	25	14	11.89	0	0.0
	25	27	11.84	0-1	0.0
	50	0	11.85		0.0
DFT-s-OFDM 16QAM	1	1	11.80	0-1	0.0
CP-OFDM QPSK	1	1	11.97	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 155 of 387

REV 24.0
05/01/2024

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Table 8-86
NR Band n30 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.70	0	0.0
	1	26	11.74		0.0
	1	50	11.86		0.0
	25	0	11.43	0-1	0.0
	25	14	11.47	0	0.0
	25	27	11.78	0-1	0.0
	50	0	11.60		0.0
DFT-s-OFDM 16QAM	1	1	11.58	0-1	0.0
CP-OFDM QPSK	1	1	11.75	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 156 of 387

REV 24.0
05/01/2024

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Table 8-87
NR Band n30 Measured P_{Limit} Antenna 3b - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	13.70	0	0.0
	1	26	13.62		0.0
	1	50	13.65		0.0
	25	0	13.63	0-1	0.0
	25	14	13.68	0	0.0
	25	27	13.69	0-1	0.0
	50	0	13.64		0.0
DFT-s-OFDM 16QAM	1	1	13.70	0-1	0.0
CP-OFDM QPSK	1	1	13.73	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 157 of 387

REV 24.0
05/01/2024

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Table 8-88
NR Band n30 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.98	0	0.0
	1	26	12.09		0.0
	1	50	12.01		0.0
	25	0	12.03	0-1	0.0
	25	14	12.08	0	0.0
	25	27	12.04	0-1	0.0
	50	0	12.06		0.0
DFT-s-OFDM 16QAM	1	1	12.12	0-1	0.0
CP-OFDM QPSK	1	1	11.97	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 158 of 387

REV 24.0
05/01/2024

8.3.10 NR Band n7

Table 8-89
NR Band n7 Measured P_{Limit} Antenna 1b - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.48	0	0.0
	1	108	12.52		0.0
	1	214	12.45		0.0
	108	0	12.53	0-1	0.0
	108	54	12.50	0	0.0
	108	108	12.46	0-1	0.0
	216	0	12.51		0.0
DFT-s-OFDM 16QAM	1	1	12.44	0-1	0.0
CP-OFDM QPSK	1	1	12.44	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 159 of 387

REV 24.0
05/01/2024

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Table 8-90
NR Band n7 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.35	0	0.0
	1	108	11.29		0.0
	1	214	11.39		0.0
	108	0	11.31	0-1	0.0
	108	54	11.27	0	0.0
	108	108	11.40	0-1	0.0
	216	0	11.31		0.0
DFT-s-OFDM 16QAM	1	1	11.28	0-1	0.0
CP-OFDM QPSK	1	1	11.23	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 160 of 387

REV 24.0
05/01/2024

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Table 8-91
NR Band n7 Measured P_{Limit} Antenna 3b - 40 MHz Bandwidth
NR Band n7
40 MHz Bandwidth

			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.73	0	0.0
	1	108	12.70		0.0
	1	214	12.72		0.0
	108	0	12.76	0-1	0.0
	108	54	12.68	0	0.0
	108	108	12.71	0-1	0.0
	216	0	12.68		0.0
DFT-s-OFDM 16QAM	1	1	12.81	0-1	0.0
CP-OFDM QPSK	1	1	12.55	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 161 of 387

REV 24.0
05/01/2024

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Table 8-92
NR Band n7 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.38	0	0.0
	1	108	10.36		0.0
	1	214	10.42		0.0
	108	0	10.43	0-1	0.0
	108	54	10.39	0	0.0
	108	108	10.45	0-1	0.0
	216	0	10.37		0.0
DFT-s-OFDM 16QAM	1	1	10.46	0-1	0.0
CP-OFDM QPSK	1	1	10.50	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 162 of 387

REV 24.0
05/01/2024

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8.3.11 NR Band n41

Table 8-93
NR Band n41 Measured P_{Limit} Antenna 1b - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.67	0	0.0
	1	137	11.62		0.0
	1	271	11.53		0.0
	135	0	11.74	0-1	0.0
	135	69	11.58	0	0.0
	135	138	11.54	0-1	0.0
	270	0	11.65		0.0
DFT-s-OFDM 16QAM	1	1	11.54	0-1	0.0
CP-OFDM QPSK	1	1	11.63	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 163 of 387

REV 24.0
05/01/2024

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Table 8-94
NR Band n41 Measured P_{Limit} Antenna 2 - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.73	0	0.0
	1	137	11.70		0.0
	1	271	11.74		0.0
	135	0	11.61	0-1	0.0
	135	69	11.66	0	0.0
	135	138	11.67	0-1	0.0
	270	0	11.66		0.0
DFT-s-OFDM 16QAM	1	1	11.64	0-1	0.0
CP-OFDM QPSK	1	1	11.71	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 164 of 387

REV 24.0
05/01/2024

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Table 8-95
NR Band n41 Measured P_{Limit} Antenna 3b - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.75	0	0.0
	1	137	12.92		0.0
	1	271	12.77		0.0
	135	0	12.91	0-1	0.0
	135	69	12.96	0	0.0
	135	138	12.85	0-1	0.0
	270	0	12.90		0.0
DFT-s-OFDM 16QAM	1	1	12.72	0-1	0.0
CP-OFDM QPSK	1	1	12.77	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 165 of 387

REV 24.0
05/01/2024

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Table 8-96
NR Band n41 Measured P_{Limit} Antenna 4 - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.18	0	0.0
	1	137	10.28		0.0
	1	271	10.05		0.0
	135	0	10.29	0-1	0.0
	135	69	10.31	0	0.0
	135	138	10.24	0-1	0.0
	270	0	10.26		0.0
DFT-s-OFDM 16QAM	1	1	10.16	0-1	0.0
CP-OFDM QPSK	1	1	10.17	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 166 of 387

REV 24.0
05/01/2024

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8.3.12 NR Band n48

Table 8-97
NR Band n48 Measured P_{Limit} Antenna 1a - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	8.97	8.92	8.86	0	0.0
	1	53	9.01	8.80	8.74		0.0
	1	104	8.94	8.85	8.72		0.0
	50	0	8.95	8.93	8.77	0-1	0.0
	50	28	8.93	8.84	8.79	0	0.0
	50	56	8.87	8.86	8.73	0-1	0.0
	100	0	8.94	8.83	8.75		0.0
DFT-s-OFDM 16QAM	1	1	9.11	8.99	9.05	0-1	0.0
CP-OFDM QPSK	1	1	8.73	9.05	8.70	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 167 of 387

REV 24.0
05/01/2024

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Table 8-98
NR Band n48 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth
NR Band n48
40 MHz Bandwidth

			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	10.76	10.51	10.53	0	0.0
	1	53	10.79	10.43	10.56		0.0
	1	104	10.71	10.53	10.51		0.0
	50	0	10.75	10.59	10.64	0-1	0.0
	50	28	10.72	10.49	10.52	0	0.0
	50	56	10.70	10.45	10.50	0-1	0.0
	100	0	10.73	10.48	10.55		0.0
DFT-s-OFDM 16QAM	1	1	10.51	10.71	10.47	0-1	0.0
CP-OFDM QPSK	1	1	10.75	10.76	10.64	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 168 of 387

REV 24.0
05/01/2024

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Table 8-99
NR Band n48 Measured P_{Limit} Antenna 3a - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	9.18	8.86	8.76	0	0.0
	1	53	9.17	8.82	8.73		0.0
	1	104	9.24	8.87	8.99		0.0
	50	0	9.11	8.93	8.77	0-1	0.0
	50	28	9.19	8.83	8.78	0	0.0
	50	56	9.13	8.80	8.75	0-1	0.0
	100	0	9.08	8.86	8.73		0.0
DFT-s-OFDM 16QAM	1	1	9.24	9.26	8.88	0-1	0.0
CP-OFDM QPSK	1	1	9.03	9.13	8.71	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 169 of 387

REV 24.0
05/01/2024

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Table 8-100
NR Band n48 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth
NR Band n48
40 MHz Bandwidth

			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	7.88	7.64	7.54	0	0.0
	1	53	8.00	7.86	7.85		0.0
	1	104	7.98	7.56	7.60		0.0
	50	0	7.91	7.47	7.51	0-1	0.0
	50	28	7.97	7.68	7.58	0	0.0
	50	56	7.86	7.40	7.52	0-1	0.0
	100	0	7.92	7.53	7.54		0.0
DFT-s-OFDM 16QAM	1	1	7.90	7.93	7.50	0-1	0.0
CP-OFDM QPSK	1	1	7.94	7.82	7.52	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 170 of 387

REV 24.0
05/01/2024

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8.3.13 NR Band n77 C-Band

Table 8-101
NR Band n77 C-Band Measured P_{Limit} Antenna 1a - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	8.86	8.93	0	0.0
	1	137	9.23	8.81		0.0
	1	271	8.88	8.84		0.0
	135	0	9.08	9.03	0-1	0.0
	135	69	9.19	8.77	0	0.0
	135	138	8.93	8.71	0-1	0.0
	270	0	9.07	8.79		0.0
DFT-s-OFDM 16QAM	1	1	8.64	8.78	0-1	0.0
CP-OFDM QPSK	1	1	8.65	9.12	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 171 of 387

REV 24.0
05/01/2024

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Table 8-102
NR Band n77 C-Band Measured P_{Limit} Antenna 2 - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	10.84	10.86	0	0.0
	1	137	10.75	10.79		0.0
	1	271	10.74	10.60		0.0
	135	0	10.74	10.80	0-1	0.0
	135	69	10.67	10.61	0	0.0
	135	138	10.61	10.50	0-1	0.0
	270	0	10.68	10.55		0.0
DFT-s-OFDM 16QAM	1	1	10.75	10.77	0-1	0.0
CP-OFDM QPSK	1	1	10.77	10.85	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 172 of 387

REV 24.0
05/01/2024

Table 8-103
NR Band n77 C-Band Measured P_{Limit} Antenna 3a - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	7.73	7.72	0	0.0
	1	137	7.89	7.50		0.0
	1	271	7.48	7.39		0.0
	135	0	7.86	7.61	0-1	0.0
	135	69	7.80	7.47	0	0.0
	135	138	7.59	7.38	0-1	0.0
	270	0	7.71	7.43		0.0
DFT-s-OFDM 16QAM	1	1	7.69	7.77	0-1	0.0
CP-OFDM QPSK	1	1	7.66	7.64	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 173 of 387

REV 24.0
05/01/2024

Table 8-104
NR Band n77 C-Band Measured P_{Limit} Antenna 4 - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	10.98	10.89	0	0.0
	1	137	11.17	10.93		0.0
	1	271	11.00	10.82		0.0
	135	0	11.16	10.97	0-1	0.0
	135	69	11.03	10.92	0	0.0
	135	138	10.96	10.80	0-1	0.0
	270	0	11.15	10.88		0.0
DFT-s-OFDM 16QAM	1	1	10.89	10.88	0-1	0.0
CP-OFDM QPSK	1	1	10.74	10.82	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 174 of 387

REV 24.0
05/01/2024

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8.3.14 NR Band n77 DoD

Table 8-105
NR Band n77 DoD Measured P_{Limit} Antenna 1a - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	9.02	0	0.0
	1	137	9.34		0.0
	1	271	9.35		0.0
	135	0	9.28	0-1	0.0
	135	69	9.33	0	0.0
	135	138	9.40	0-1	0.0
	270	0	9.28		0.0
DFT-s-OFDM 16QAM	1	1	9.43	0-1	0.0
CP-OFDM QPSK	1	1	9.11	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 175 of 387

REV 24.0
05/01/2024

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Table 8-106
NR Band n77 DoD Measured P_{Limit} Antenna 2 - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.58	0	0.0
	1	137	10.49		0.0
	1	271	10.51		0.0
	135	0	10.56	0-1	0.0
	135	69	10.52	0	0.0
	135	138	10.52	0-1	0.0
	270	0	10.55		0.0
DFT-s-OFDM 16QAM	1	1	10.49	0-1	0.0
CP-OFDM QPSK	1	1	10.55	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 176 of 387

REV 24.0
05/01/2024

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Table 8-107
NR Band n77 DoD Measured P_{Limit} Antenna 3a - 100 MHz Bandwidth
NR Band n77 DoD
100 MHz Bandwidth

			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	7.76	0	0.0
	1	137	7.53		0.0
	1	271	7.75		0.0
	135	0	7.73	0-1	0.0
	135	69	7.59	0	0.0
	135	138	7.53	0-1	0.0
	270	0	7.60		0.0
DFT-s-OFDM 16QAM	1	1	7.53	0-1	0.0
CP-OFDM QPSK	1	1	7.65	0-1.5	0.0

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 177 of 387

REV 24.0
05/01/2024

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Table 8-108
NR Band n77 DoD Measured P_{Limit} Antenna 4 - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.00	0	0.0
	1	137	10.93		0.0
	1	271	11.06		0.0
	135	0	11.02	0-1	0.0
	135	69	10.95	0	0.0
	135	138	10.96	0-1	0.0
	270	0	10.97		0.0
DFT-s-OFDM 16QAM	1	1	10.93	0-1	0.0
CP-OFDM QPSK	1	1	11.11	0-1.5	0.0

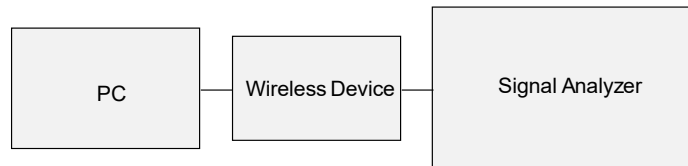


Figure 8-3
Power Measurement Setup

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 178 of 387

REV 24.0
05/01/2024

8.4 2.4 GHz WLAN Maximum Time-Averaged Conducted Powers

Table 8-109
2.4 GHz WLAN Maximum Average RF Power – Antenna 3a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.81
2437	6		9.86
2462	11		9.70
2.4GHz WIFI (20MHz 802.11g SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.45
2437	6		9.65
2462	11		9.31
2.4GHz WIFI (20MHz 802.11n SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.45
2437	6		9.68
2462	11		9.58
2.4GHz WIFI (20MHz 802.11ax SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.57
2437	6		9.25
2462	11		9.37

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 179 of 387

REV 24.0
05/01/2024

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Table 8-110
2.4 GHz WLAN Maximum Average RF Power – Antenna 3a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.62
2437	6		9.70
2462	11		9.68
2.4GHz WIFI (20MHz 802.11g SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.32
2437	6		9.75
2462	11		9.58
2.4GHz WIFI (20MHz 802.11n SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.49
2437	6		9.62
2462	11		9.45
2.4GHz WIFI (20MHz 802.11ax SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	9.45
2437	6		9.63
2462	11		9.38

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 180 of 387

REV 24.0
05/01/2024

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Table 8-111
2.4 GHz WLAN Maximum Average RF Power – Antenna 1a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.86
2437	6		10.85
2462	11		10.76
2.4GHz WIFI (20MHz 802.11g SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.45
2437	6		10.59
2462	11		10.49
2.4GHz WIFI (20MHz 802.11n SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.49
2437	6		10.59
2462	11		10.48
2.4GHz WIFI (20MHz 802.11ax SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.33
2437	6		10.53
2462	11		10.39

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 181 of 387

REV 24.0
05/01/2024

Table 8-112
2.4 GHz WLAN Maximum Average RF Power – Antenna 1a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.75
2437	6		10.71
2462	11		10.64
2.4GHz WIFI (20MHz 802.11g SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.44
2437	6		10.62
2462	11		10.47
2.4GHz WIFI (20MHz 802.11n SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.55
2437	6		10.63
2462	11		10.47
2.4GHz WIFI (20MHz 802.11ax SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	10.39
2437	6		10.52
2462	11		10.33

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 182 of 387

REV 24.0
05/01/2024

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8.5 2.4 GHz WLAN Reduced Time-Averaged Conducted Powers

Table 8-113
2.4 GHz WLAN 5 dB Reduced Average RF Power – Antenna 3a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.50
2437	6		4.62
2462	11		4.55
2.4GHz WIFI (20MHz 802.11g SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.59
2437	6		4.55
2462	11		4.45
2.4GHz WIFI (20MHz 802.11n SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.53
2437	6		4.54
2462	11		4.41
2.4GHz WIFI (20MHz 802.11ax SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.40
2437	6		4.47
2462	11		4.49

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 183 of 387

REV 24.0
05/01/2024

Table 8-114
2.4 GHz WLAN 5 dB Reduced Average RF Power – Antenna 3a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.39
2437	6		4.48
2462	11		4.46
2.4GHz WIFI (20MHz 802.11g SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.52
2437	6		4.59
2462	11		4.45
2.4GHz WIFI (20MHz 802.11n SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.60
2437	6		4.58
2462	11		4.41
2.4GHz WIFI (20MHz 802.11ax SISO ANT 3a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	4.48
2437	6		4.55
2462	11		4.46

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 184 of 387

REV 24.0
05/01/2024

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Table 8-115
2.4 GHz WLAN 5 dB Reduced Average RF Power – Antenna 1a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.42
2437	6		5.68
2462	11		5.35
2.4GHz WIFI (20MHz 802.11g SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.53
2437	6		5.56
2462	11		5.48
2.4GHz WIFI (20MHz 802.11n SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.61
2437	6		5.59
2462	11		5.50
2.4GHz WIFI (20MHz 802.11ax SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.58
2437	6		5.63
2462	11		5.43

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 185 of 387

REV 24.0
05/01/2024

Table 8-116
2.4 GHz WLAN 5 dB Reduced Average RF Power – Antenna 1a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.25
2437	6		5.48
2462	11		5.41
2.4GHz WIFI (20MHz 802.11g SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.49
2437	6		5.46
2462	11		5.44
2.4GHz WIFI (20MHz 802.11n SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.51
2437	6		5.43
2462	11		5.46
2.4GHz WIFI (20MHz 802.11ax SISO ANT 1a)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	5.42
2437	6		5.52
2462	11		5.53

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 186 of 387

REV 24.0
05/01/2024

8.6 5 GHz WLAN Maximum Time-Averaged Conducted Powers

Table 8-117
5 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 1

5GHz WIFI (80MHz 802.11ac SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	14.17
UNII-2A	5290	58	14.20
UNII-2C	5530	106	13.50
	5610	122	13.17
	5690	138	13.41
UNII-3	5775	155	13.80
5GHz WIFI (80MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	13.38
UNII-2A	5290	58	15.24
UNII-2C	5530	106	13.30
	5610	122	13.23
	5690	138	13.29
UNII-3	5775	155	13.11

Table 8-118
5 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 2

5GHz WIFI (80MHz 802.11ac SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	14.00
UNII-2A	5290	58	14.10
UNII-2C	5530	106	13.34
	5610	122	13.30
	5690	138	13.31
UNII-3	5775	155	13.82
5GHz WIFI (80MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	13.96
UNII-2A	5290	58	15.23
UNII-2C	5530	106	13.31
	5610	122	13.07
	5690	138	13.17
UNII-3	5775	155	13.01

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 187 of 387

REV 24.0
05/01/2024

Table 8-119
5 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.52
UNII-2A	5290	58	9.30
UNII-2C	5530	106	10.87
	5610	122	10.80
	5690	138	10.50
UNII-3	5775	155	11.00
5GHz WIFI (80MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.62
UNII-2A	5290	58	9.36
UNII-2C	5530	106	10.05
	5610	122	9.87
	5690	138	9.98
UNII-3	5775	155	11.73

Table 8-120
5 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.72
UNII-2A	5290	58	9.40
UNII-2C	5530	106	10.82
	5610	122	10.63
	5690	138	10.51
UNII-3	5775	155	11.40
5GHz WIFI (80MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.70
UNII-2A	5290	58	9.26
UNII-2C	5530	106	10.05
	5610	122	10.00
	5690	138	9.90
UNII-3	5775	155	11.72

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 188 of 387

REV 24.0
05/01/2024

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Table 8-121
5 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	7.50
UNII-2A	5290	58	7.52
UNII-2C	5530	106	7.13
	5610	122	7.14
	5690	138	6.94
UNII-3	5775	155	10.46
5GHz WIFI (80MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	7.53
UNII-2A	5290	58	7.68
UNII-2C	5530	106	6.97
	5610	122	6.99
	5690	138	7.06
UNII-3	5775	155	9.80

Table 8-122
5 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	7.52
UNII-2A	5290	58	7.68
UNII-2C	5530	106	7.39
	5610	122	7.21
	5690	138	7.17
UNII-3	5775	155	10.57
5GHz WIFI (80MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	7.66
UNII-2A	5290	58	7.63
UNII-2C	5530	106	6.90
	5610	122	6.89
	5690	138	6.93
UNII-3	5775	155	9.87

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 189 of 387

REV 24.0
05/01/2024

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8.7 5 GHz WLAN Reduced Time-Averaged Conducted Powers

Table 8-123
5 GHz WLAN 5 dB Reduced Average RF Power – Antenna 5T, Variant 1

5GHz WIFI (80MHz 802.11ac SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	9.26
UNII-2A	5290	58	9.28
UNII-2C	5530	106	8.35
	5610	122	8.38
	5690	138	8.22
UNII-3	5775	155	8.02
5GHz WIFI (80MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	9.26
UNII-2A	5290	58	9.27
UNII-2C	5530	106	8.20
	5610	122	8.22
	5690	138	8.32
UNII-3	5775	155	8.08

Table 8-124
5 GHz WLAN 5 dB Reduced Average RF Power – Antenna 5T, Variant 2

5GHz WIFI (80MHz 802.11ac SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	9.16
UNII-2A	5290	58	9.11
UNII-2C	5530	106	8.12
	5610	122	8.27
	5690	138	8.20
UNII-3	5775	155	7.95
5GHz WIFI (80MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	9.21
UNII-2A	5290	58	9.23
UNII-2C	5530	106	8.26
	5610	122	8.32
	5690	138	8.33
UNII-3	5775	155	7.99

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 190 of 387

REV 24.0
05/01/2024

Table 8-125
5 GHz WLAN 5 dB Reduced Average RF Power – Antenna 3b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	4.43
UNII-2A	5290	58	4.39
UNII-2C	5530	106	4.86
	5610	122	4.95
	5690	138	5.08
UNII-3	5775	155	6.81
5GHz WIFI (80MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	4.61
UNII-2A	5290	58	4.65
UNII-2C	5530	106	5.05
	5610	122	4.95
	5690	138	4.96
UNII-3	5775	155	6.73

Table 8-126
5 GHz WLAN 5 dB Reduced Average RF Power – Antenna 3b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	4.53
UNII-2A	5290	58	4.73
UNII-2C	5530	106	5.12
	5610	122	5.21
	5690	138	4.93
UNII-3	5775	155	6.81
5GHz WIFI (80MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	4.56
UNII-2A	5290	58	4.51
UNII-2C	5530	106	4.93
	5610	122	4.97
	5690	138	5.02
UNII-3	5775	155	6.83

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 191 of 387

REV 24.0
05/01/2024

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Table 8-127
5 GHz WLAN 5 dB Reduced Average RF Power – Antenna 1b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.09
UNII-2A	5290	58	3.03
UNII-2C	5530	106	2.95
	5610	122	2.72
	5690	138	2.65
UNII-3	5775	155	5.07
5GHz WIFI (80MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.30
UNII-2A	5290	58	3.29
UNII-2C	5530	106	2.85
	5610	122	2.78
	5690	138	2.79
UNII-3	5775	155	5.02

Table 8-128
5 GHz WLAN 5 dB Reduced Average RF Power – Antenna 1b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.23
UNII-2A	5290	58	3.09
UNII-2C	5530	106	2.81
	5610	122	2.68
	5690	138	2.58
UNII-3	5775	155	5.11
5GHz WIFI (80MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.37
UNII-2A	5290	58	3.21
UNII-2C	5530	106	2.85
	5610	122	2.67
	5690	138	2.79
UNII-3	5775	155	4.95

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 192 of 387

REV 24.0
05/01/2024

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8.8 6 GHz WLAN Maximum Time-Averaged Conducted Powers

Table 8-129

6 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 1

6GHz WIFI (160MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	12.10
	6345	79	12.53
UNII-6	6505	111	10.52
UNII-7	6665	143	10.12
UNII-8	6985	207	9.73

Table 8-130

6 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 2

6GHz WIFI (160MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	12.11
	6345	79	12.86
UNII-6	6505	111	11.54
UNII-7	6665	143	10.99
UNII-8	6985	207	11.00

Table 8-131

6 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	9.09
	6345	79	8.56
UNII-6	6505	111	9.07
UNII-7	6665	143	8.70
UNII-8	6985	207	9.55

Table 8-132

6 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	9.10
	6345	79	8.52
UNII-6	6505	111	9.30
UNII-7	6665	143	8.70
UNII-8	6985	207	9.54

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 193 of 387

REV 24.0
05/01/2024

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Table 8-133
6 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	6.58
	6345	79	8.60
UNII-6	6505	111	6.84
UNII-7	6665	143	7.81
UNII-8	6985	207	7.57

Table 8-134
6 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	6.58
	6345	79	9.16
UNII-6	6505	111	6.84
UNII-7	6665	143	7.81
UNII-8	6985	207	7.57

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 194 of 387

REV 24.0
05/01/2024

8.9 6 GHz WLAN Reduced Time-Averaged Conducted Powers

Table 8-135

6 GHz WLAN 5 dB Reduced Average RF Power – Antenna 5T, Variant 1

6GHz WIFI (160MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	8.66
	6345	79	8.76
UNII-6	6505	111	8.20
UNII-7	6665	143	7.52
UNII-8	6985	207	7.32

Table 8-136

6 GHz WLAN 5 dB Reduced Average RF Power – Antenna 5T, Variant 2

6GHz WIFI (160MHz 802.11ax SISO ANT 5T)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	8.62
	6345	79	8.76
UNII-6	6505	111	8.27
UNII-7	6665	143	7.46
UNII-8	6985	207	7.33

Table 8-137

6 GHz WLAN 5 dB Reduced Average RF Power – Antenna 3b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	5.69
	6345	79	4.44
UNII-6	6505	111	4.55
UNII-7	6665	143	4.65
UNII-8	6985	207	5.23

Table 8-138

6 GHz WLAN 5 dB Reduced Average RF Power – Antenna 3b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO ANT 3b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	5.73
	6345	79	4.59
UNII-6	6505	111	4.57
UNII-7	6665	143	4.63
UNII-8	6985	207	5.29

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 195 of 387

REV 24.0
05/01/2024

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Table 8-139
6 GHz WLAN 5 dB Reduced Average RF Power – Antenna 1b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	4.81
	6345	79	4.47
UNII-6	6505	111	4.56
UNII-7	6665	143	4.41
UNII-8	6985	207	3.48

Table 8-140
6 GHz WLAN 5 dB Reduced Average RF Power – Antenna 1b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO ANT 1b)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	4.89
	6345	79	4.43
UNII-6	6505	111	4.70
UNII-7	6665	143	4.42
UNII-8	6985	207	3.55

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 196 of 387

REV 24.0
05/01/2024

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8.10 WLAN Power Reduction Verification Summary

Table 8-141
WLAN Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Target Power [dBm]	Reduced Target Power [dBm]	Maximum Measured Power	Reduced Measured Power	Verdict
					(Tolerance [dB])	(Tolerance [dB])	[dBm]	[dBm]	
Ant 3A	2.4 GHz WLAN	Main Band 3A/3B ON	10.5	5.5	9(+1.5/-1.5)	4(+1.5/-1.5)	9.54	4.46	PASS
	2.4 GHz WLAN	ULCA ON	10.5	5.5	9(+1.5/-1.5)	4(+1.5/-1.5)	9.54	4.41	PASS
Ant 1A	2.4 GHz WLAN	Main Band 1A/1B ON	11.5	6.5	10(+1.5/-1.5)	5(+1.5/-1.5)	10.64	4.27	PASS
	2.4 GHz WLAN	ULCA ON	11.5	6.5	10(+1.5/-1.5)	5(+1.5/-1.5)	10.64	4.36	PASS
Ant 3B	5 GHz WLAN	Main Band 3A/3B/4 ON	10.5	5.5	9(+1.5/-1.5)	4(+1.5/-1.5)	10.17	4.69	PASS
	5 GHz WLAN	ULCA ON	10.5	5.5	9(+1.5/-1.5)	4(+1.5/-1.5)	10.17	4.69	PASS
Ant 5T	5 GHz WLAN	Main Band 3A/3B ON	15.25	10.25	13.75(+1.5/-1.5)	8.75(+1.5/-1.5)	14.95	9.36	PASS
	5 GHz WLAN	ULCA ON	15.25	10.25	13.75(+1.5/-1.5)	8.75(+1.5/-1.5)	14.95	9.36	PASS
Ant 1B	5 GHz WLAN	Main Band 1A/1B/2 ON	9.25	4.25	7.75(+1.5/-1.5)	2.75(+1.5/-1.5)	8.46	3.65	PASS
	5 GHz WLAN	ULCA ON	9.25	4.25	7.75(+1.5/-1.5)	2.75(+1.5/-1.5)	8.46	3.65	PASS
Ant 3B	6 GHz WLAN	Main Band 3A/3B/4 ON	11	6	9.5(+1.5/-1.5)	4.5(+1.5/-1.5)	9.2	5.13	PASS
	6 GHz WLAN	ULCA ON	11	6	9.5(+1.5/-1.5)	4.5(+1.5/-1.5)	9.2	5.1	PASS
Ant 5T	6 GHz WLAN	Main Band 3A/3B ON	13.5	10	12(+1.5/-1.5)	8.5(+1.5/-1.5)	10.71	7.53	PASS
	6 GHz WLAN	ULCA ON	13.5	10	12(+1.5/-1.5)	8.5(+1.5/-1.5)	10.71	7.87	PASS
Ant 1B	6 GHz WLAN	Main Band 1A/1B/2 ON	8.5	5	7(+1.5/-1.5)	3.5(+1.5/-1.5)	6.63	2.48	PASS
	6 GHz WLAN	ULCA ON	8.5	5	7(+1.5/-1.5)	3.5(+1.5/-1.5)	6.63	2.32	PASS

Maximum power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

8.11 Notes for WLAN

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.
- The WLAN chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structure to meet the same specifications and functions.
- Two device variants are referenced as Variant 1 and Variant 2 in this report.
- WLAN SAR worst case configuration was spotchecked on Variant 1 and Variant 2.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 197 of 387

REV 24.0
05/01/2024

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8.12 Bluetooth Maximum Conducted Powers

Table 8-142
Bluetooth Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	11.07	12.794
2441	GFSK	1.0	39	11.05	12.735
2480	GFSK	1.0	78	10.88	12.246

Table 8-143
Bluetooth Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	10.91	12.331
2441	GFSK	1.0	39	10.87	12.218
2480	GFSK	1.0	78	10.47	11.143

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 198 of 387

REV 24.0
05/01/2024

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Table 8-144
Bluetooth Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	12.08	16.144
2441	GFSK	1.0	39	11.92	15.560
2480	GFSK	1.0	78	12.10	16.218

Table 8-145
Bluetooth Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	12.02	15.922
2441	GFSK	1.0	39	11.99	15.812
2480	GFSK	1.0	78	12.17	16.482

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 199 of 387

REV 24.0
05/01/2024

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Table 8-146
Bluetooth Average RF Power – Antenna 4, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	8.40	6.918
2441	GFSK	1.0	39	8.79	7.568
2480	GFSK	1.0	78	8.16	6.546

Table 8-147
Bluetooth Average RF Power – Antenna 4, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	8.48	7.047
2441	GFSK	1.0	39	8.68	7.379
2480	GFSK	1.0	78	8.15	6.531

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 200 of 387

REV 24.0
05/01/2024

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8.13 Bluetooth Reduced Conducted Powers

Table 8-148
Bluetooth 3.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	7.99	6.295
2441	GFSK	1.0	39	8.00	6.310
2480	GFSK	1.0	78	7.95	6.237

Table 8-149
Bluetooth 3.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	7.99	6.295
2441	GFSK	1.0	39	7.78	5.998
2480	GFSK	1.0	78	7.92	6.194

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 201 of 387

REV 24.0
05/01/2024

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Table 8-150
Bluetooth 3.5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	8.98	7.907
2441	GFSK	1.0	39	9.00	7.943
2480	GFSK	1.0	78	8.99	7.925

Table 8-151
Bluetooth 3.5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	9.00	7.943
2441	GFSK	1.0	39	8.96	7.870
2480	GFSK	1.0	78	8.78	7.551

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 202 of 387

REV 24.0
05/01/2024

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Table 8-152
Bluetooth 5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.09	4.064
2441	GFSK	1.0	39	5.88	3.873
2480	GFSK	1.0	78	6.03	4.009

Table 8-153
Bluetooth 5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.29	4.256
2441	GFSK	1.0	39	5.96	3.945
2480	GFSK	1.0	78	6.06	4.036

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 203 of 387

REV 24.0
05/01/2024

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Table 8-154
Bluetooth 5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.99	5.000
2441	GFSK	1.0	39	6.87	4.864
2480	GFSK	1.0	78	7.02	5.035

Table 8-155
Bluetooth 5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	7.14	5.176
2441	GFSK	1.0	39	7.04	5.058
2480	GFSK	1.0	78	6.87	4.864

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 204 of 387

REV 24.0
05/01/2024

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Table 8-156
Bluetooth 5.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	4.37	2.735
2441	GFSK	1.0	39	5.55	3.589
2480	GFSK	1.0	78	5.31	3.396

Table 8-157
Bluetooth 5.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	5.43	3.491
2441	GFSK	1.0	39	5.68	3.698
2480	GFSK	1.0	78	5.64	3.664

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 205 of 387

REV 24.0
05/01/2024

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Table 8-158
Bluetooth 5.5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.08	4.055
2441	GFSK	1.0	39	6.28	4.246
2480	GFSK	1.0	78	6.04	4.018

Table 8-159
Bluetooth 5.5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.04	4.018
2441	GFSK	1.0	39	6.36	4.325
2480	GFSK	1.0	78	6.22	4.188

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 206 of 387

REV 24.0
05/01/2024

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Table 8-160
Bluetooth 6.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	4.59	2.877
2441	GFSK	1.0	39	4.40	2.754
2480	GFSK	1.0	78	4.60	2.884

Table 8-161
Bluetooth 6.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	4.65	2.917
2441	GFSK	1.0	39	4.59	2.877
2480	GFSK	1.0	78	4.41	2.761

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 207 of 387

REV 24.0
05/01/2024

Table 8-162
Bluetooth 7 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	3.55	2.265
2441	GFSK	1.0	39	3.71	2.350
2480	GFSK	1.0	78	3.51	2.244

Table 8-163
Bluetooth 7 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	3.51	2.244
2441	GFSK	1.0	39	3.78	2.388
2480	GFSK	1.0	78	3.43	2.203

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 208 of 387

REV 24.0
05/01/2024

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Table 8-164
Bluetooth 8 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	4.44	2.780
2441	GFSK	1.0	39	4.42	2.767
2480	GFSK	1.0	78	4.43	2.773

Table 8-165
Bluetooth 8 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	4.44	2.780
2441	GFSK	1.0	39	4.43	2.773
2480	GFSK	1.0	78	4.36	2.729

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 209 of 387

REV 24.0
05/01/2024

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8.14 Bluetooth Duty Cycle Plots

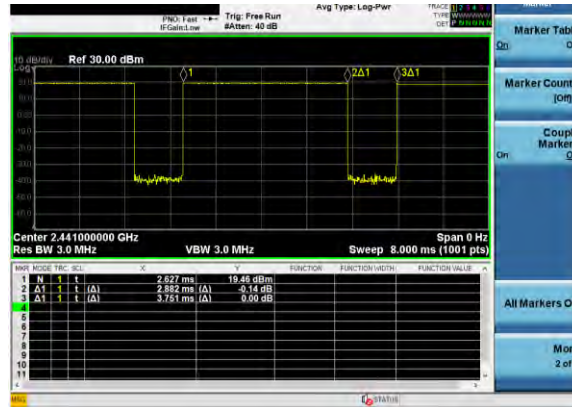


Figure 8-4
Bluetooth Transmission Plot – Antenna 3a, Variant 1

Equation 8-1 Bluetooth Duty Cycle Calculation – Antenna 3a, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$



Figure 8-5
Bluetooth Transmission Plot – Antenna 3a, Variant 2

Equation 8-2 Bluetooth Duty Cycle Calculation – Antenna 3a, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 210 of 387

REV 24.0
05/01/2024

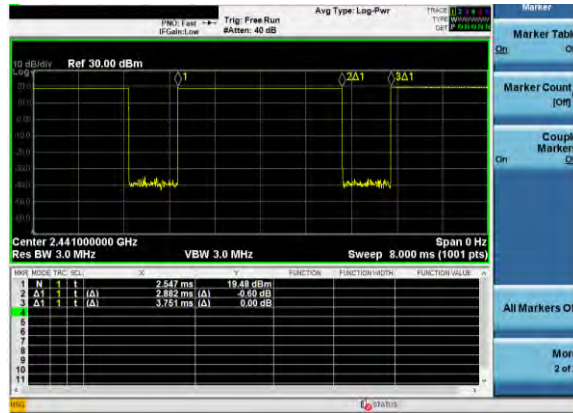


Figure 8-6
Bluetooth Transmission Plot – Antenna 1a, Variant 1

Equation 8-3
Bluetooth Duty Cycle Calculation – Antenna 1a, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

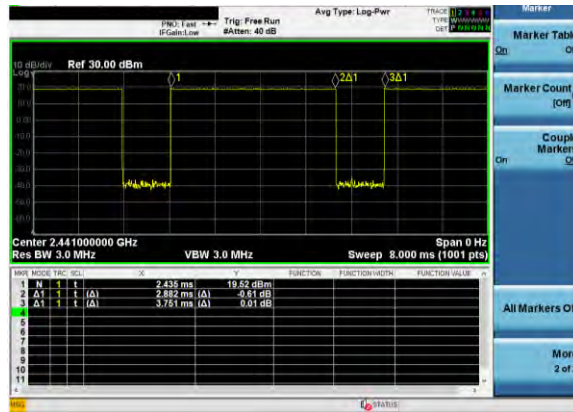


Figure 8-7
Bluetooth Transmission Plot – Antenna 1a, Variant 2

Equation 8-4
Bluetooth Duty Cycle Calculation – Antenna 1a, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 211 of 387

REV 24.0
05/01/2024

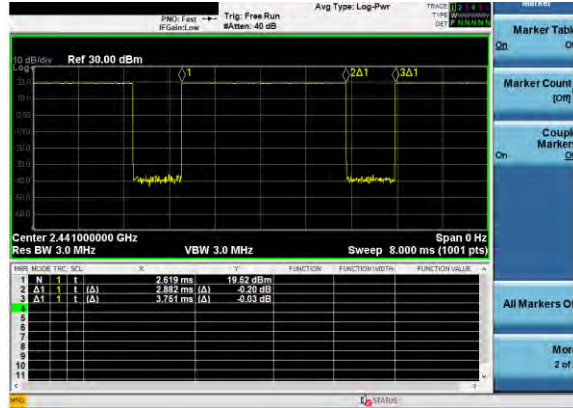


Figure 8-8
Bluetooth Transmission Plot – Antenna 4, Variant 1

Equation 8-5
Bluetooth Duty Cycle Calculation – Antenna 4, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.882\ ms}{3.751\ ms} * 100\% = 76.83\%$$



Figure 8-9
Bluetooth Transmission Plot – Antenna 4, Variant 2

Equation 8-6
Bluetooth Duty Cycle Calculation – Antenna 4, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.882\ ms}{3.751\ ms} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 212 of 387

REV 24.0
05/01/2024

8.16 802.15.4 Maximum Conducted Powers

Table 8-166
802.15.4 Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	11.16	13.062
2440	O-QPSK	1.0	18	11.15	13.032
2475	O-QPSK	1.0	25	11.12	12.942

Table 8-167
802.15.4 Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	11.14	13.002
2440	O-QPSK	1.0	18	11.17	13.092
2475	O-QPSK	1.0	25	11.01	12.618

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 213 of 387

REV 24.0
05/01/2024

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Table 8-168
802.15.4 Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	12.37	17.258
2440	O-QPSK	1.0	18	12.42	17.458
2475	O-QPSK	1.0	25	12.40	17.378

Table 8-169
802.15.4 Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	12.40	17.378
2440	O-QPSK	1.0	18	12.41	17.418
2475	O-QPSK	1.0	25	12.31	17.022

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 214 of 387

REV 24.0
05/01/2024

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Table 8-170
802.15.4 Average RF Power – Antenna 4, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	8.65	7.328
2440	O-QPSK	1.0	18	9.15	8.222
2475	O-QPSK	1.0	25	8.73	7.464

Table 8-171
802.15.4 Average RF Power – Antenna 4, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	8.81	7.603
2440	O-QPSK	1.0	18	9.09	8.110
2475	O-QPSK	1.0	25	8.62	7.278

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 215 of 387

REV 24.0
05/01/2024

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8.17 802.15.4 Reduced Conducted Powers

Table 8-172

802.15.4 3.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	8.11	6.471
2440	O-QPSK	1.0	18	8.45	6.998
2475	O-QPSK	1.0	25	8.29	6.745

Table 8-173

802.15.4 3.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	8.14	6.516
2440	O-QPSK	1.0	18	8.34	6.823
2475	O-QPSK	1.0	25	8.30	6.761

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 216 of 387

REV 24.0
05/01/2024

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Table 8-174
802.15.4 3.5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	9.77	9.484
2440	O-QPSK	1.0	18	9.99	9.977
2475	O-QPSK	1.0	25	9.82	9.594

Table 8-175
802.15.4 3.5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	9.52	8.954
2440	O-QPSK	1.0	18	9.94	9.863
2475	O-QPSK	1.0	25	9.99	9.977

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 217 of 387

REV 24.0
05/01/2024

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Table 8-176
802.15.4 5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.13	4.102
2440	O-QPSK	1.0	18	6.38	4.345
2475	O-QPSK	1.0	25	6.22	4.188

Table 8-177
802.15.4 5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.48	4.446
2440	O-QPSK	1.0	18	6.28	4.246
2475	O-QPSK	1.0	25	6.51	4.477

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 218 of 387

REV 24.0
05/01/2024

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Table 8-178
802.15.4 5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	7.27	5.333
2440	O-QPSK	1.0	18	7.32	5.395
2475	O-QPSK	1.0	25	7.42	5.521

Table 8-179
802.15.4 5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	7.21	5.260
2440	O-QPSK	1.0	18	7.12	5.152
2475	O-QPSK	1.0	25	7.37	5.458

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 219 of 387

REV 24.0
05/01/2024

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Table 8-180
802.15.4 5.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.13	4.102
2440	O-QPSK	1.0	18	6.38	4.345
2475	O-QPSK	1.0	25	6.22	4.188

Table 8-181
802.15.4 5.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.48	4.446
2440	O-QPSK	1.0	18	6.28	4.246
2475	O-QPSK	1.0	25	6.51	4.477

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 220 of 387

REV 24.0
05/01/2024

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Table 8-182
802.15.4 5.5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	7.27	5.333
2440	O-QPSK	1.0	18	7.32	5.395
2475	O-QPSK	1.0	25	7.42	5.521

Table 8-183
802.15.4 5.5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	7.21	5.260
2440	O-QPSK	1.0	18	7.12	5.152
2475	O-QPSK	1.0	25	7.37	5.458

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 221 of 387

REV 24.0
05/01/2024

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Table 8-184
802.15.4 6.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	5.28	3.373
2440	O-QPSK	1.0	18	5.11	3.243
2475	O-QPSK	1.0	25	5.19	3.304

Table 8-185
802.15.4 6.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	4.94	3.119
2440	O-QPSK	1.0	18	5.05	3.199
2475	O-QPSK	1.0	25	5.12	3.251

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 222 of 387

REV 24.0
05/01/2024

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Table 8-186
802.15.4 7 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	5.28	3.373
2440	O-QPSK	1.0	18	5.11	3.243
2475	O-QPSK	1.0	25	5.19	3.304

Table 8-187
802.15.4 7 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	4.94	3.119
2440	O-QPSK	1.0	18	5.05	3.199
2475	O-QPSK	1.0	25	5.12	3.251

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 223 of 387

REV 24.0
05/01/2024

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Table 8-188
802.15.4 8 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	5.35	3.428
2440	O-QPSK	1.0	18	5.41	3.475
2475	O-QPSK	1.0	25	5.26	3.357

Table 8-189
802.15.4 8 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	5.05	3.199
2440	O-QPSK	1.0	18	5.28	3.373
2475	O-QPSK	1.0	25	5.01	3.170

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 224 of 387

REV 24.0
05/01/2024

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Table 8-190
802.15.4 1 dB Reduced Average RF Power – Antenna 4, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	7.80	6.026
2440	O-QPSK	1.0	18	7.95	6.237
2475	O-QPSK	1.0	25	7.57	5.715

Table 8-191
802.15.4 1 dB Reduced Average RF Power – Antenna 4, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	7.61	5.768
2440	O-QPSK	1.0	18	7.60	5.754
2475	O-QPSK	1.0	25	7.64	5.808

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 225 of 387

REV 24.0
05/01/2024

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8.18 802.15.4 Duty Cycle Plots

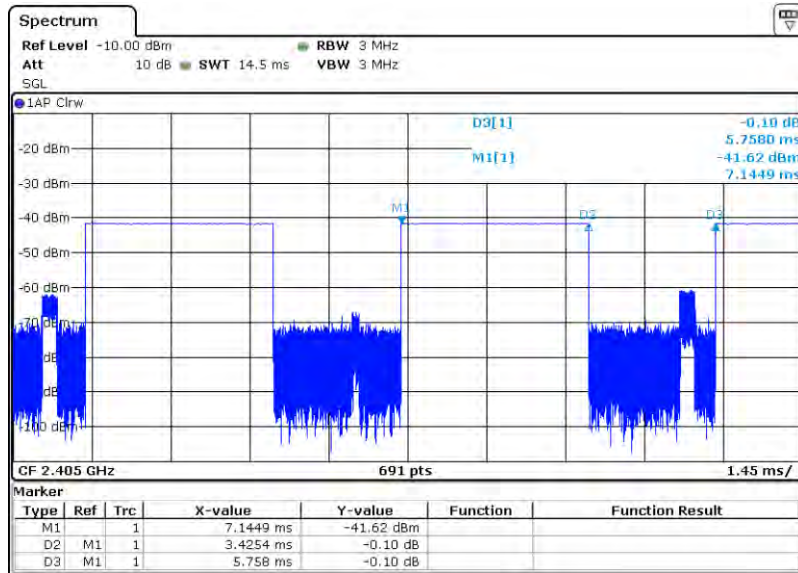


Figure 8-10
802.15.4 Transmission Plot – Antenna 1a, 3a, and 4, Variant 1

Equation 8-7
802.15.4 Duty Cycle Calculation – Antenna 1a, 3a, and 4, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{3.425\text{ms}}{5.758\text{ms}} * 100\% = 59.48\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 226 of 387

REV 24.0
05/01/2024

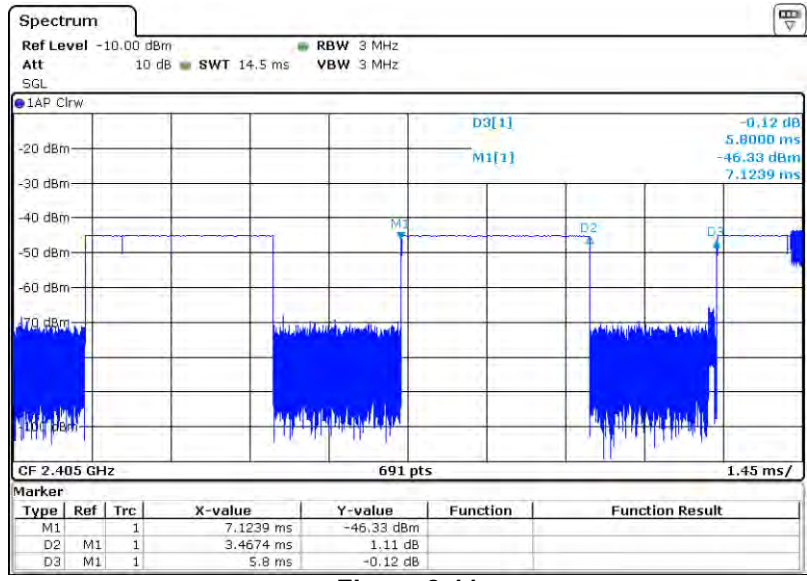


Figure 8-11
802.15.4 Transmission Plot – Antenna 1a, 3a, and 4, Variant 2

Equation 8-8
802.15.4 Duty Cycle Calculation – Antenna 1a, 3a, and 4, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{3.467ms}{5.800ms} * 100\% = 59.78\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 227 of 387

REV 24.0
05/01/2024

8.19 Bluetooth/802.15.4 Power Reduction Verification Summary

Table 8-192
Bluetooth/802.15.4 Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Target Power [dBm]	Reduced Target Power [dBm]	Maximum Measured Power	Reduced Measured Power	Verdict
					(Tolerance [dB])	(Tolerance [dB])	[dBm]	[dBm]	
Ant 3A	2.4 GHz Bluetooth	Main Band 3A/3B ON	11.5	8	10 (+1.5/-2.0)	6.5 (+1.5/-2.0)	10.67	7.61	PASS
	2.4 GHz Bluetooth	ULCA ON	11.5	4.5	10 (+1.5/-2.0)	3 (+1.5/-2.0)	10.67	2.89	PASS
	2.4 GHz Bluetooth	ULCA ON and 5/6 GHz WLAN 3B ON	11.5	4.5	10 (+1.5/-2.0)	3 (+1.5/-2.0)	10.67	2.97	PASS
	2.4 GHz Bluetooth	5/6 GHz WLAN Ant 5T/3B ON	11.5	6.5	10 (+1.5/-2.0)	5 (+1.5/-2.0)	10.67	4.94	PASS
	2.4 GHz Thread	Main band Ant 1A/1B ON and 5/6 GHz WLAN 5T/3B ON	12.5	7	11 (+1.5/-2.0)	5.5 (+1.5/-2.0)	11.6	5.47	PASS
	2.4 GHz Thread	Main band Ant 2 ON and 5/6 GHz WLAN Ant 5T/3B ON	12.5	7	11 (+1.5/-2.0)	5.5 (+1.5/-2.0)	11.6	5.25	PASS
	2.4 GHz Thread	Main band Ant 3A ON and 5/6 GHz WLAN Ant 5T/3B ON	12.5	5.5	11 (+1.5/-2.0)	4 (+1.5/-2.0)	11.6	5.2	PASS
	2.4 GHz Thread	Main band Ant 3A ON and 5/6 GHz WLAN Ant 1b ON	12.5	7	11 (+1.5/-2.0)	5.5 (+1.5/-2.0)	11.6	5.23	PASS
	2.4 GHz Thread	Main band Ant 3B ON and 5/6 GHz WLAN ON	12.5	6	11 (+1.5/-2.0)	4.5 (+1.5/-2.0)	11.6	5.18	PASS
	2.4 GHz Thread	Main Band Ant 4 ON and 5/6 GHz WLAN Ant 5T/3B ON	12.5	6	11 (+1.5/-2.0)	4.5 (+1.5/-2.0)	11.6	5.17	PASS
Ant 1A	2.4 GHz Bluetooth	Main band Ant 1A/1B ON and 5/6 GHz WLAN 5T/3B ON	12.5	7	11 (+1.5/-2.0)	5.5 (+1.5/-2.0)	11.49	5.42	PASS
	2.4 GHz Bluetooth	Main band Ant 1A/1B ON and 5/6 GHz WLAN 1B ON	12.5	4.5	11 (+1.5/-2.0)	3 (+1.5/-2.0)	11.49	4.15	PASS
	2.4 GHz Bluetooth	Main band Ant 2 ON and 5/6 GHz WLAN 1B ON	12.5	4.5	11 (+1.5/-2.0)	3 (+1.5/-2.0)	11.49	4.2	PASS
	2.4 GHz Bluetooth	Main band Ant 3A/3B ON and 5/6 GHz WLAN 1B ON	12.5	7	11 (+1.5/-2.0)	5.5 (+1.5/-2.0)	11.49	5.84	PASS
	2.4 GHz Bluetooth	Main band Ant 4 ON and 5/6 GHz WLAN 1B ON	12.5	7	11 (+1.5/-2.0)	5.5 (+1.5/-2.0)	11.49	5.85	PASS
	2.4 GHz Thread	Main Band 1A/1B ON	13.5	10	12 (+1.5/-2.0)	8.5 (+1.5/-2.0)	11.71	8.68	PASS
	2.4 GHz Thread	ULCA ON	13.5	5.5	12 (+1.5/-2.0)	4 (+1.5/-2.0)	11.71	4.14	PASS
	2.4 GHz Thread	ULCA ON and 5/6 GHz WLAN 1B ON	13.5	5.5	12 (+1.5/-2.0)	4 (+1.5/-2.0)	11.71	4.13	PASS
	2.4 GHz Thread	5/6 GHz WLAN 1B ON	13.5	8.5	12 (+1.5/-2.0)	7 (+1.5/-2.0)	11.71	7.23	PASS
	2.4 GHz Thread	ULCA ON and 5/6 GHz WLAN MIMO ON	9.5	8.5	8 (+1.5/-2.0)	7 (+1.5/-2.0)	7.59	6.37	PASS
Ant 4	2.4 GHz Thread	Main Band Ant 3a ON and 5/6 GHz WLAN MIMO ON	9.5	8.5	8 (+1.5/-2.0)	7 (+1.5/-2.0)	7.59	6.36	PASS
	2.4 GHz Thread	Main Band Ant 3b ON and 5/6 GHz WLAN MIMO ON	9.5	8.5	8 (+1.5/-2.0)	7 (+1.5/-2.0)	7.59	7.35	PASS
	2.4 GHz Thread	Main Band Ant 4 ON and 5/6 GHz WLAN MIMO ON	9.5	8.5	8 (+1.5/-2.0)	7 (+1.5/-2.0)	7.59	7.3	PASS

Maximum power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Per manufacturer, 2.4 GHz Bluetooth and 802.15.4 share the same antenna path and reduces with the same power backoff when it transmits simultaneously with cellular and 5/6 GHz WLAN antennas. Therefore, conducted power measurements were measured for both mode/band as shown above and applied condition. All conducted power measurements were verified to be below the maximum allowed.

8.20 Notes for Bluetooth/802.15.4

- The Bluetooth/802.15.4 chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structures to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- Bluetooth/802.15.4 SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining Bluetooth/802.15.4 configurations.
- Full power measurements were performed for Variant 1 and Variant 2 per FCC KDB Procedures 248227.

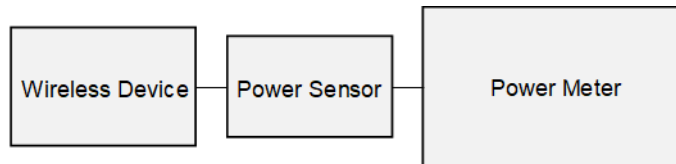


Figure 8-12
Power Measurement Setup

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 228 of 387

REV 24.0
05/01/2024

8.21 NB UNII Maximum Conducted Powers

Table 8-193
NB UNII-1 Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Channel	Average
HDR4	U-NII 1	5162	Low	11.69
		5204	Mid	11.40
		5245	High	11.52

Table 8-194
NB UNII-1 Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Channel	Average
HDR4	U-NII 1	5162	Low	11.70
		5204	Mid	11.45
		5245	High	11.61

Table 8-195
NB UNII-1 Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Channel	Average
HDR4	U-NII 1	5162	Low	10.75
		5204	Mid	10.46
		5245	High	10.70

Table 8-196
NB UNII-1 Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Channel	Average
HDR4	U-NII 1	5162	Low	10.97
		5204	Mid	10.80
		5245	High	10.93

Table 8-197
NB UNII-1 Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Channel	Average
BDR	U-NII 1	5162	Low	9.14
		5204	Mid	9.06
		5245	High	9.05

Table 8-198
NB UNII-1 Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Channel	Average
BDR	U-NII 1	5162	Low	9.15
		5204	Mid	8.99
		5245	High	9.01

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 229 of 387

REV 24.0
05/01/2024

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Table 8-199
NB UNII-3 Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Channel	Average
BDR	U-NII 3	5733	Low	12.90
		5789	Mid	13.01
		5844	High	12.87

Table 8-200
NB UNII-3 Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Channel	Average
BDR	U-NII 3	5733	Low	12.79
		5789	Mid	13.05
		5844	High	12.94

Table 8-201
NB UNII-3 Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Channel	Average
BDR	U-NII 3	5733	Low	11.80
		5789	Mid	11.75
		5844	High	11.71

Table 8-202
NB UNII-3 Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Channel	Average
BDR	U-NII 3	5733	Low	12.04
		5789	Mid	11.93
		5844	High	11.70

Table 8-203
NB UNII-3 Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Channel	Average
BDR	U-NII 3	5733	Low	10.34
		5789	Mid	10.21
		5844	High	10.11

Table 8-204
NB UNII-3 Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Channel	Average
BDR	U-NII 3	5733	Low	10.45
		5789	Mid	10.34
		5844	High	10.29

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 230 of 387

REV 24.0
05/01/2024

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8.22 NB UNII Reduced Conducted Powers

Table 8-205

NB UNII-1 5 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Frequency	Average
HDR4	U-NII 1	5162	Low	10.18
		5204	Mid	9.87
		5245	High	10.01

Table 8-206

NB UNII-1 5 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Frequency	Average
HDR4	U-NII 1	5162	Low	10.17
		5204	Mid	10.02
		5245	High	10.12

Table 8-207

NB UNII-1 5 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	4.93
		5204	Mid	4.86
		5245	High	5.20

Table 8-208

NB UNII-1 5 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	5.34
		5204	Mid	5.21
		5245	High	5.38

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 231 of 387

REV 24.0
05/01/2024

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Table 8-209
NB UNII-1 5 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	4.56
		5204	Mid	4.36
		5245	High	4.55

Table 8-210
NB UNII-1 5 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	4.74
		5204	Mid	4.69
		5245	High	4.82

Table 8-211
NB UNII-1 5.5 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Frequency	Average
HDR4	U-NII 1	5162	Low	10.18
		5204	Mid	9.87
		5245	High	10.01

Table 8-212
NB UNII-1 5.5 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Frequency	Average
HDR4	U-NII 1	5162	Low	10.17
		5204	Mid	10.02
		5245	High	10.12

Table 8-213
NB UNII-1 5.5 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	4.93
		5204	Mid	4.86
		5245	High	5.20

Table 8-214
NB UNII-1 5.5 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	5.34
		5204	Mid	5.21
		5245	High	5.38

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 232 of 387

REV 24.0
05/01/2024

Table 8-215
NB UNII-1 5.5 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	4.56
		5204	Mid	4.36
		5245	High	4.55

Table 8-216
NB UNII-1 5.5 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	4.74
		5204	Mid	4.69
		5245	High	4.82

Table 8-217
NB UNII-1 7 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	8.96
		5204	Mid	8.78
		5245	High	8.71

Table 8-218
NB UNII-1 7 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	8.85
		5204	Mid	8.36
		5245	High	8.59

Table 8-219
NB UNII-1 7 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	3.25
		5204	Mid	3.36
		5245	High	3.66

Table 8-220
NB UNII-1 7 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	3.85
		5204	Mid	3.69
		5245	High	3.83

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 233 of 387

REV 24.0
05/01/2024

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Table 8-221
NB UNII-1 8 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	2.31
		5204	Mid	2.23
		5245	High	2.45

Table 8-222
NB UNII-1 8 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 1	5162	Low	1.83
		5204	Mid	1.85
		5245	High	2.04

Table 8-223
NB UNII-3 5 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	9.01
		5789	Mid	9.18
		5844	High	9.12

Table 8-224
NB UNII-3 5 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	9.27
		5789	Mid	9.50
		5844	High	9.26

Table 8-225
NB UNII-3 5 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	7.33
		5789	Mid	7.23
		5844	High	6.92

Table 8-226
NB UNII-3 5 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	7.45
		5789	Mid	7.33
		5844	High	7.21

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 234 of 387

REV 24.0
05/01/2024

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Table 8-227
NB UNII-3 5 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	5.94
		5789	Mid	5.89
		5844	High	5.65

Table 8-228
NB UNII-3 5 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	6.16
		5789	Mid	5.99
		5844	High	5.96

Table 8-229
NB UNII-3 5.5 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	9.01
		5789	Mid	9.18
		5844	High	9.12

Table 8-230
NB UNII-3 5.5 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	9.27
		5789	Mid	9.50
		5844	High	9.26

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 235 of 387

REV 24.0
05/01/2024

Table 8-231
NB UNII-3 5.5 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	7.33
		5789	Mid	7.23
		5844	High	6.92

Table 8-232
NB UNII-3 5.5 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	7.45
		5789	Mid	7.33
		5844	High	7.21

Table 8-233
NB UNII-3 5.5 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	5.94
		5789	Mid	5.89
		5844	High	5.65

Table 8-234
NB UNII-3 5.5 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	6.16
		5789	Mid	5.99
		5844	High	5.96

Table 8-235
NB UNII-3 7 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	7.60
		5789	Mid	7.72
		5844	High	7.67

Table 8-236
NB UNII-3 7 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	7.86
		5789	Mid	8.01
		5844	High	7.85

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 236 of 387

REV 24.0
05/01/2024

Table 8-237
NB UNII-3 7 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	5.50
		5789	Mid	5.49
		5844	High	5.42

Table 8-238
NB UNII-3 7 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	5.47
		5789	Mid	5.46
		5844	High	5.39

Table 8-239
NB UNII-3 8 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	3.08
		5789	Mid	3.00
		5844	High	2.67

Table 8-240
NB UNII-3 8 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Frequency	Average
BDR	U-NII 3	5733	Low	3.36
		5789	Mid	3.19
		5844	High	3.24

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 237 of 387

REV 24.0
05/01/2024

8.23 NB UNII Duty Cycle Plots

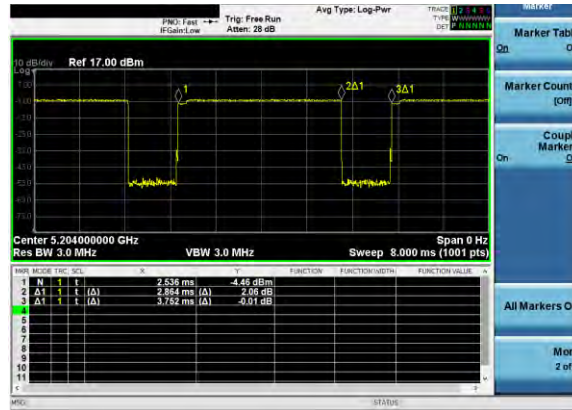


Figure 8-13

NB UNII 1 HDR4 Transmission Plot – Antenna 5T, Variant 1

Equation 8-9

NB UNII Duty Cycle Calculation – Antenna 5T, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.864 \text{ ms}}{3.752 \text{ ms}} * 100\% = 76.33\%$$



Figure 8-14

NB UNII 1 HDR4 Transmission Plot – Antenna 5T, Variant 2

Equation 8-10

NB UNII Duty Cycle Calculation – Antenna 5T, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.864 \text{ ms}}{3.752 \text{ ms}} * 100\% = 76.33\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 238 of 387

REV 24.0
05/01/2024

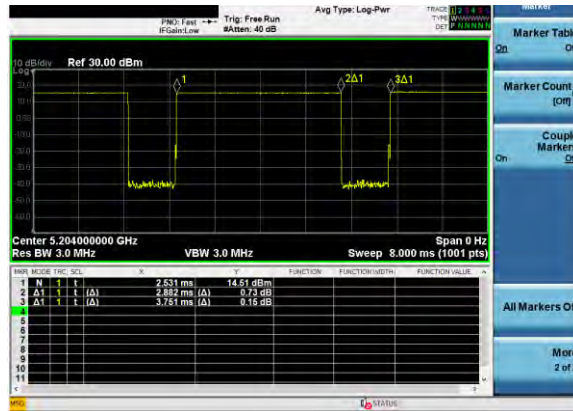


Figure 8-15
NB UNII 1 BDR Transmission Plot – Antenna 5T, Variant 1

Equation 8-11
NB UNII Duty Cycle Calculation – Antenna 5T, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

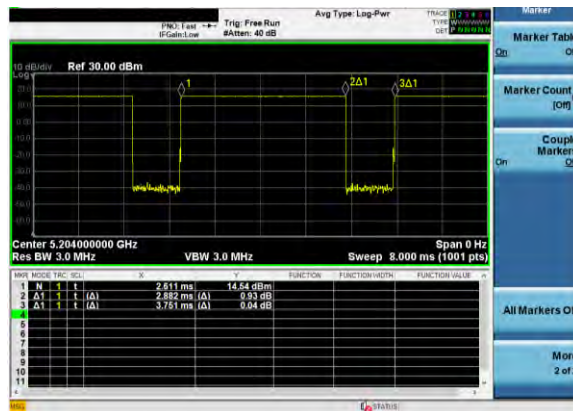


Figure 8-16
NB UNII 1 BDR Transmission Plot – Antenna 5T, Variant 2

Equation 8-12
NB UNII Duty Cycle Calculation – Antenna 5T, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 239 of 387

REV 24.0
05/01/2024

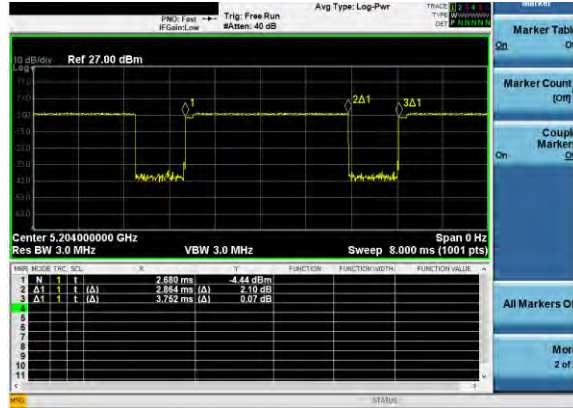


Figure 8-17
NB UNII 1 HDR4 Transmission Plot – Antenna 3b, Variant 1

Equation 8-13
NB UNII Duty Cycle Calculation – Antenna 3b, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.864 \text{ ms}}{3.752 \text{ ms}} * 100\% = 76.33\%$$



Figure 8-18
NB UNII 1 HDR4 Transmission Plot – Antenna 3b, Variant 2

Equation 8-14
NB UNII Duty Cycle Calculation – Antenna 3b, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.864 \text{ ms}}{3.752 \text{ ms}} * 100\% = 76.33\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 240 of 387

REV 24.0
05/01/2024



Figure 8-19
NB UNII 1 BDR Transmission Plot – Antenna 3b, Variant 1

Equation 8-15
NB UNII Duty Cycle Calculation – Antenna 3b, Variant 1

$$Duty Cycle = \frac{Pulse Width}{Period} * 100\% = \frac{2.882 ms}{3.751 ms} * 100\% = 76.83\%$$

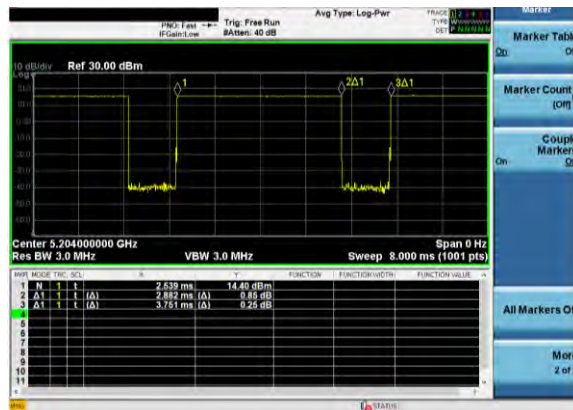


Figure 8-20
NB UNII 1 BDR Transmission Plot – Antenna 3b, Variant 2

Equation 8-16
NB UNII Duty Cycle Calculation – Antenna 3b, Variant 2

$$Duty Cycle = \frac{Pulse Width}{Period} * 100\% = \frac{2.882 ms}{3.751 ms} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 241 of 387

REV 24.0
05/01/2024



Figure 8-21
NB UNII 1 BDR Transmission Plot – Antenna 1b, Variant 1

Equation 8-17
NB UNII Duty Cycle Calculation – Antenna 1b, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$



Figure 8-22
NB UNII 1 BDR Transmission Plot – Antenna 1b, Variant 2

Equation 8-18
NB UNII Duty Cycle Calculation – Antenna 1b, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 242 of 387

REV 24.0
05/01/2024



Figure 8-23
NB UNII 3 BDR Transmission Plot – Antenna 5T, Variant 1

Equation 8-19
NB UNII Duty Cycle Calculation – Antenna 5T, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$



Figure 8-24
NB UNII 3 BDR Transmission Plot – Antenna 5T, Variant 2

Equation 8-20
NB UNII Duty Cycle Calculation – Antenna 5T, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 243 of 387

REV 24.0
05/01/2024

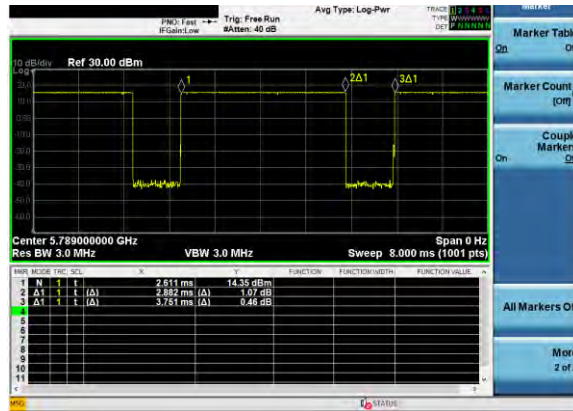


Figure 8-25
NB UNII 3 BDR Transmission Plot – Antenna 3b, Variant 1

Equation 8-21
NB UNII Duty Cycle Calculation – Antenna 3b, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$



Figure 8-26
NB UNII 3 BDR Transmission Plot – Antenna 3b, Variant 2

Equation 8-22
NB UNII Duty Cycle Calculation – Antenna 3b, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 244 of 387

REV 24.0
05/01/2024



Figure 8-27
NB UNII 3 BDR Transmission Plot – Antenna 1b, Variant 1

Equation 8-23
NB UNII Duty Cycle Calculation – Antenna 1b, Variant 1

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

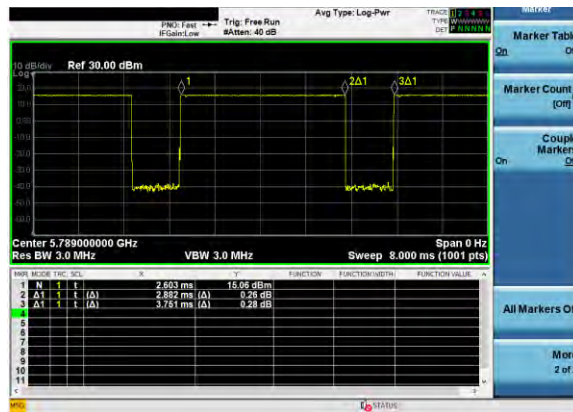


Figure 8-28
NB UNII 3 BDR Transmission Plot – Antenna 1b, Variant 2

Equation 8-24
NB UNII Duty Cycle Calculation – Antenna 1b, Variant 2

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.882 \text{ ms}}{3.751 \text{ ms}} * 100\% = 76.83\%$$

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 245 of 387

REV 24.0
05/01/2024

8.24 NB UNII Power Reduction Verification Summary

Table 8-241
NB UNII Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Target Power [dBm] (Tolerance [dB])	Reduced Target Power [dBm] (Tolerance [dB])	Maximum Measured Power [dBm]	Reduced Measured Power [dBm]	Verdict
Ant 3B	NB UNII	Main Band 3a ON	12.5	8.5	11(+1.5/-1.5)	7(+1.5/-1.5)	10.98	8.3	PASS
	NB UNII	Main band 3b ON	12.5	8.5	11(+1.5/-1.5)	7(+1.5/-1.5)	10.98	8.33	PASS
	NB UNII	Main Band 4 ON	12.5	8.5	11(+1.5/-1.5)	7(+1.5/-1.5)	10.98	6.39	PASS
	NB UNII	ULCA ON	12.5	6.5	11(+1.5/-1.5)	5(+1.5/-1.5)	10.98	5.1	PASS
	NB UNII	2.4 GHz WLAN Ant 3a ON	12.5	8.5	11(+1.5/-1.5)	7(+1.5/-1.5)	10.98	6.81	PASS
	NB UNII	ULCA ON an 2.4 GHz WLAN 3a/1a ON	12.5	6.5	11(+1.5/-1.5)	5(+1.5/-1.5)	10.98	5.04	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHz WLAN 3A/1A ON	12.5	8	11(+1.5/-1.5)	6.5(+1.5/-1.5)	10.98	6.32	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHz WLAN 3A/1A ON	12.5	8	11(+1.5/-1.5)	6.5(+1.5/-1.5)	10.98	6.43	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHz WLAN 3A ON	12.5	6.5	11(+1.5/-1.5)	5(+1.5/-1.5)	10.98	4.92	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHz WLAN 1A ON	12.5	8	11(+1.5/-1.5)	6.5(+1.5/-1.5)	10.98	6.37	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 3a ON	12.5	6.5	11(+1.5/-1.5)	5(+1.5/-1.5)	10.98	4.73	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 1a ON	12.5	8	11(+1.5/-1.5)	6.5(+1.5/-1.5)	10.98	6.3	PASS
Ant 5T	NB UNII	Main Band 3A ON	13.5	10.5	12(+1.5/-0.5)	9(+1.5/-0.5)	11.7	10.28	PASS
	NB UNII	Main Band 3B ON	13.5	10.5	12(+1.5/-0.5)	9(+1.5/-0.5)	11.7	10.23	PASS
	NB UNII	ULCA ON	13.5	8.5	12(+1.5/-0.5)	7(+1.5/-0.5)	11.7	6.8	PASS
	NB UNII	2.4 GHz WLAN Ant 3A ON	13.5	10.5	12(+1.5/-0.5)	9(+1.5/-0.5)	11.7	9.9	PASS
	NB UNII	ULCA ON an 2.4 GHz WLAN 3A/1A ON	13.5	8.5	12(+1.5/-0.5)	7(+1.5/-0.5)	11.7	7.14	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHz WLAN 3A ON	13.5	8.5	12(+1.5/-0.5)	7(+1.5/-0.5)	11.7	6.87	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHz WLAN 1A ON	13.5	10	12(+1.5/-0.5)	8.5(+1.5/-0.5)	11.7	8.57	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHz WLAN 1A ON	13.5	10	12(+1.5/-0.5)	8.5(+1.5/-0.5)	11.7	8.45	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHz WLAN 3A/1A ON	13.5	10	12(+1.5/-0.5)	8.5(+1.5/-0.5)	11.7	8.38	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHz WLAN 3A/1A ON	13.5	10	12(+1.5/-0.5)	8.5(+1.5/-0.5)	11.7	8.38	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 3A ON	13.5	8.5	12(+1.5/-0.5)	7(+1.5/-0.5)	11.7	6.9	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 1A ON	13.5	8.5	12(+1.5/-0.5)	7(+1.5/-0.5)	11.7	6.9	PASS
Ant 1B	NB UNII	Main Band 1A/1B ON	11	7	9.5(+1.5/-1.5)	5.5(+1.5/-1.5)	9.8	5.14	PASS
	NB UNII	ULCA ON	11	4	9.5(+1.5/-1.5)	2.5(+1.5/-1.5)	9.8	2.11	PASS
	NB UNII	2.4 GHz WLAN Ant 1A ON	11	7	9.5(+1.5/-1.5)	5.5(+1.5/-1.5)	9.8	5.1	PASS
	NB UNII	ULCA ON an 2.4 GHz WLAN 1A ON	11	4	9.5(+1.5/-1.5)	2.5(+1.5/-1.5)	9.8	2.11	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHz WLAN 3A ON	11	6.5	9.5(+1.5/-1.5)	5(+1.5/-1.5)	9.8	4.38	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHz WLAN 1A ON	11	4	9.5(+1.5/-1.5)	2.5(+1.5/-1.5)	9.8	2.28	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHz WLAN 3A ON	11	6.5	9.5(+1.5/-1.5)	5(+1.5/-1.5)	9.8	4.65	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHz WLAN 1A ON	11	4	9.5(+1.5/-1.5)	2.5(+1.5/-1.5)	9.8	2.13	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHz WLAN 1A ON	11	6.5	9.5(+1.5/-1.5)	5(+1.5/-1.5)	9.8	4.64	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 1A ON	11	6.5	9.5(+1.5/-1.5)	5(+1.5/-1.5)	9.8	4.6	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 1A ON	11	6.5	9.5(+1.5/-1.5)	5(+1.5/-1.5)	9.8	4.6	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHz WLAN 1A ON	11	6.5	9.5(+1.5/-1.5)	5(+1.5/-1.5)	9.8	4.6	PASS

Maximum power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

8.25 Notes for NB UNII

- The NB UNII chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- NB UNII SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining NB UNII configurations.
- Full power measurements were performed for Variant 1 and Variant 2 per FCC KDB Procedures 248227.

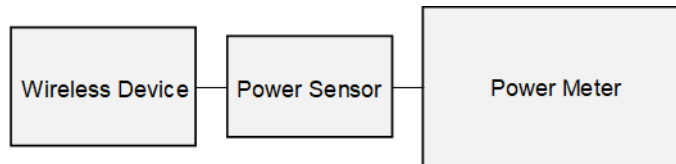


Figure 8-29
Power Measurement Setup

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 246 of 387

REV 24.0
05/01/2024

9 SYSTEM VERIFICATION

9.1 Tissue Verification

Table 9-1
Measured Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
06/22/2024	13 Head	23.0	12	0.722	52.886	0.750	55.000	-3.73%	-3.84%
			13	0.722	52.857	0.750	55.000	-3.73%	-3.90%
			14	0.722	52.822	0.750	55.000	-3.73%	-3.96%
05/28/2024	750 Head	22.0	680	0.861	44.222	0.888	42.305	-3.04%	4.53%
			695	0.874	44.017	0.889	42.227	-1.69%	4.24%
			700	0.879	43.952	0.889	42.201	-1.12%	4.15%
			710	0.888	43.825	0.890	42.149	-0.22%	3.98%
			725	0.902	43.632	0.891	42.071	1.23%	3.71%
			750	0.927	43.286	0.894	41.942	3.69%	3.20%
05/30/2024	750 Head	20.0	700	0.847	43.659	0.889	42.201	-4.72%	3.45%
			710	0.857	43.520	0.890	42.149	-3.71%	3.25%
			725	0.871	43.327	0.891	42.071	-2.24%	2.99%
			750	0.895	42.997	0.894	41.942	0.11%	2.52%
			770	0.913	42.726	0.895	41.838	2.01%	2.12%
			785	0.928	42.515	0.896	41.760	3.57%	1.81%
06/03/2024	750 Head	20	800	0.942	42.296	0.897	41.682	4.98%	1.47%
			700	0.847	42.577	0.887	42.167	-4.51%	0.97%
			700	0.847	42.577	0.889	42.201	-4.72%	0.89%
			710	0.856	42.439	0.890	42.149	-3.82%	0.69%
			725	0.870	42.219	0.891	42.071	-2.36%	0.35%
			750	0.893	41.849	0.894	41.942	-0.11%	-0.22%
06/10/2024	750 Head	25.0	770	0.913	41.583	0.895	41.838	2.01%	-0.61%
			785	0.927	41.384	0.896	41.760	3.46%	-0.90%
			800	0.941	41.187	0.897	41.682	4.91%	-1.19%
			680	0.847	43.928	0.888	42.305	-4.62%	3.84%
			695	0.860	43.692	0.889	42.227	-3.26%	3.47%
			700	0.864	43.613	0.889	42.201	-2.81%	3.35%
	750 Head	25.0	710	0.873	43.462	0.890	42.149	-1.91%	3.12%
			725	0.887	43.255	0.891	42.071	-0.45%	2.81%
			750	0.910	42.982	0.894	41.942	1.79%	2.48%
			770	0.928	42.779	0.895	41.838	3.69%	2.25%

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 247 of 387

REV 24.0
05/01/2024

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
06/12/2024	750 Head	24.5	680	0.855	44.410	0.888	42.305	-3.72%	4.98%
			695	0.868	44.205	0.889	42.227	-2.36%	4.68%
			700	0.873	44.136	0.889	42.201	-1.80%	4.59%
			710	0.883	44.006	0.890	42.149	-0.79%	4.41%
			725	0.897	43.828	0.891	42.071	0.67%	4.18%
			750	0.919	43.514	0.894	41.942	2.80%	3.75%
			770	0.938	43.247	0.895	41.838	4.80%	3.37%
05/20/2024	835 Head	19.1	815	0.891	40.223	0.898	41.594	-0.78%	-3.30%
			820	0.896	40.148	0.899	41.578	-0.33%	-3.44%
			835	0.910	39.936	0.900	41.500	1.11%	-3.77%
			850	0.925	39.741	0.916	41.500	0.98%	-4.24%
05/22/2024	835 Head	19.7	815	0.866	40.026	0.898	41.594	-3.56%	-3.77%
			820	0.870	39.960	0.899	41.578	-3.23%	-3.89%
			835	0.885	39.761	0.900	41.500	-1.67%	-4.19%
			850	0.900	39.566	0.916	41.500	-1.75%	-4.66%
06/03/2024	835 Head	20.0	815	0.867	40.322	0.898	41.594	-3.45%	-3.06%
			820	0.872	40.255	0.899	41.578	-3.00%	-3.18%
			835	0.887	40.057	0.900	41.500	-1.44%	-3.48%
			850	0.902	39.863	0.916	41.500	-1.53%	-3.94%
05/23/2024	1750 Head	19.9	1700	1.327	40.046	1.343	40.145	-1.19%	-0.25%
			1705	1.332	40.034	1.345	40.141	-0.97%	-0.27%
			1710	1.337	40.022	1.348	40.136	-0.82%	-0.28%
			1720	1.347	39.992	1.354	40.126	-0.52%	-0.33%
			1745	1.373	39.893	1.368	40.087	0.37%	-0.48%
			1750	1.377	39.871	1.371	40.079	0.44%	-0.52%
			1770	1.398	39.776	1.383	40.047	1.08%	-0.68%
05/30/2024	1750 Head	20.0	1790	1.418	39.682	1.394	40.016	1.72%	-0.83%
			1700	1.315	39.172	1.343	40.145	-2.08%	-2.42%
			1705	1.320	39.150	1.345	40.141	-1.86%	-2.47%
			1710	1.325	39.130	1.348	40.136	-1.71%	-2.51%
			1720	1.334	39.093	1.354	40.126	-1.48%	-2.57%
			1745	1.359	39.003	1.368	40.087	-0.66%	-2.70%
			1750	1.364	38.986	1.371	40.079	-0.51%	-2.73%
06/05/2024	1750 Head	20.0	1770	1.384	38.901	1.383	40.047	0.07%	-2.86%
			1790	1.404	38.797	1.394	40.016	0.72%	-3.05%
			1700	1.304	38.926	1.343	40.145	-2.90%	-3.04%
			1705	1.309	38.913	1.345	40.141	-2.68%	-3.06%
			1710	1.314	38.898	1.348	40.136	-2.52%	-3.08%
			1720	1.323	38.868	1.354	40.126	-2.29%	-3.14%
			1745	1.345	38.800	1.368	40.087	-1.68%	-3.21%
05/28/2024	1900 Head	21.6	1750	1.350	38.783	1.371	40.079	-1.53%	-3.23%
			1770	1.368	38.690	1.383	40.047	-1.08%	-3.39%
			1790	1.389	38.599	1.394	40.016	-0.36%	-3.54%
			1850	1.387	39.637	1.400	40.000	-0.93%	-0.91%
			1860	1.398	39.592	1.400	40.000	-0.14%	-1.02%
			1880	1.419	39.509	1.400	40.000	1.36%	-1.23%
			1900	1.440	39.433	1.400	40.000	2.86%	-1.42%
			1905	1.445	39.411	1.400	40.000	3.21%	-1.47%
			1910	1.450	39.390	1.400	40.000	3.57%	-1.53%
			1920	1.461	39.349	1.400	40.000	4.36%	-1.63%

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 248 of 387

REV 24.0
05/01/2024

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05/30/2024	1900 Head	21.0	1850	1.391	39.409	1.400	40.000	-0.64%	-1.48%
			1860	1.402	39.363	1.400	40.000	0.14%	-1.59%
			1880	1.423	39.269	1.400	40.000	1.64%	-1.83%
			1900	1.444	39.190	1.400	40.000	3.14%	-2.03%
			1905	1.450	39.167	1.400	40.000	3.57%	-2.08%
			1910	1.455	39.150	1.400	40.000	3.93%	-2.13%
			1920	1.466	39.109	1.400	40.000	4.71%	-2.23%
06/05/2024	1900 Head	21.0	1850	1.380	38.602	1.400	40.000	-1.43%	-3.50%
			1860	1.391	38.546	1.400	40.000	-0.64%	-3.64%
			1880	1.412	38.434	1.400	40.000	0.86%	-3.92%
			1900	1.432	38.341	1.400	40.000	2.29%	-4.15%
			1905	1.438	38.319	1.400	40.000	2.71%	-4.20%
			1910	1.443	38.300	1.400	40.000	3.07%	-4.25%
			1920	1.453	38.256	1.400	40.000	3.79%	-4.36%
05/22/2024	2450 Head	25.0	2300	1.653	40.738	1.670	39.500	-1.02%	3.13%
			2310	1.664	40.697	1.679	39.480	-0.89%	3.08%
			2320	1.676	40.652	1.687	39.460	-0.65%	3.02%
			2400	1.768	40.343	1.756	39.289	0.68%	2.68%
			2450	1.828	40.145	1.800	39.200	1.56%	2.41%
			2480	1.860	40.029	1.833	39.162	1.47%	2.21%
			2500	1.882	39.949	1.855	39.136	1.46%	2.08%
			2510	1.893	39.908	1.866	39.123	1.45%	2.01%
			2535	1.923	39.819	1.893	39.092	1.58%	1.86%
			2550	1.942	39.762	1.909	39.073	1.73%	1.76%
			2560	1.954	39.721	1.920	39.060	1.77%	1.69%
			2600	2.000	39.560	1.964	39.009	1.83%	1.41%
			2650	2.059	39.370	2.018	38.945	2.03%	1.09%
			2680	2.094	39.241	2.051	38.907	2.10%	0.86%
			2700	2.117	39.170	2.073	38.882	2.12%	0.74%
05/28/2024	2450 Head	21.0	2300	1.608	38.168	1.670	39.500	-3.71%	-3.37%
			2310	1.616	38.157	1.679	39.480	-3.75%	-3.35%
			2320	1.623	38.148	1.687	39.460	-3.79%	-3.32%
			2400	1.680	38.023	1.756	39.289	-4.33%	-3.22%
			2450	1.717	37.966	1.800	39.200	-4.61%	-3.15%
05/30/2024	2450 Head	19.4	2300	1.630	38.817	1.670	39.500	-2.40%	-1.73%
			2310	1.637	38.800	1.679	39.480	-2.50%	-1.72%
			2320	1.646	38.783	1.687	39.460	-2.43%	-1.72%
			2400	1.704	38.666	1.756	39.289	-2.96%	-1.59%
			2450	1.743	38.587	1.800	39.200	-3.17%	-1.56%
			2480	1.765	38.548	1.833	39.162	-3.71%	-1.57%
			2500	1.780	38.505	1.855	39.136	-4.04%	-1.61%
			2510	1.788	38.484	1.866	39.123	-4.18%	-1.63%
			2535	1.809	38.442	1.893	39.092	-4.44%	-1.66%
			2550	1.820	38.421	1.909	39.073	-4.66%	-1.67%
			2560	1.827	38.406	1.920	39.060	-4.84%	-1.67%

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 249 of 387

REV 24.0
05/01/2024

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05/30/2024	2450 Head	24.0	2300	1.676	40.309	1.670	39.500	0.36%	2.05%
			2310	1.688	40.274	1.679	39.480	0.54%	2.01%
			2320	1.700	40.238	1.687	39.460	0.77%	1.97%
			2400	1.788	39.933	1.756	39.289	1.82%	1.64%
			2450	1.847	39.753	1.800	39.200	2.61%	1.41%
			2480	1.882	39.641	1.833	39.162	2.67%	1.22%
			2500	1.905	39.564	1.855	39.136	2.70%	1.09%
			2510	1.917	39.525	1.866	39.123	2.73%	1.03%
			2535	1.948	39.427	1.893	39.092	2.91%	0.86%
			2550	1.966	39.364	1.909	39.073	2.99%	0.74%
			2560	1.979	39.322	1.920	39.060	3.07%	0.67%
			2600	2.026	39.174	1.964	39.009	3.16%	0.42%
			2650	2.086	38.964	2.018	38.945	3.37%	0.05%
			2680	2.122	38.836	2.051	38.907	3.46%	-0.18%
			2700	2.145	38.761	2.073	38.882	3.47%	-0.31%
06/01/2024	2450 Head	24.2	2300	1.690	39.054	1.670	39.500	1.20%	-1.13%
			2310	1.701	39.008	1.679	39.480	1.31%	-1.20%
			2320	1.714	38.963	1.687	39.460	1.60%	-1.26%
			2400	1.803	38.630	1.756	39.289	2.68%	-1.68%
			2450	1.861	38.438	1.800	39.200	3.39%	-1.94%
			2480	1.894	38.312	1.833	39.162	3.33%	-2.17%
			2500	1.916	38.229	1.855	39.136	3.29%	-2.32%
			2510	1.927	38.191	1.866	39.123	3.27%	-2.38%
			2535	1.958	38.104	1.893	39.092	3.43%	-2.53%
			2550	1.976	38.046	1.909	39.073	3.51%	-2.63%
			2560	1.987	38.004	1.920	39.060	3.49%	-2.70%
			2600	2.033	37.835	1.964	39.009	3.51%	-3.01%
			2650	2.094	37.649	2.018	38.945	3.77%	-3.33%
			2680	2.128	37.510	2.051	38.907	3.75%	-3.59%
			2700	2.152	37.436	2.073	38.882	3.81%	-3.72%
06/03/2024	2450 Head	24.4	2300	1.679	39.997	1.670	39.500	0.54%	1.26%
			2310	1.690	39.956	1.679	39.480	0.66%	1.21%
			2320	1.701	39.914	1.687	39.460	0.83%	1.15%
			2400	1.794	39.613	1.756	39.289	2.16%	0.82%
			2450	1.850	39.414	1.800	39.200	2.78%	0.55%
			2480	1.887	39.304	1.833	39.162	2.95%	0.36%
			2500	1.909	39.221	1.855	39.136	2.91%	0.22%
			2510	1.919	39.182	1.866	39.123	2.84%	0.15%
			2535	1.946	39.084	1.893	39.092	2.80%	-0.02%
			2550	1.965	39.024	1.909	39.073	2.93%	-0.13%
			2560	1.978	38.985	1.920	39.060	3.02%	-0.19%
			2600	2.023	38.826	1.964	39.009	3.00%	-0.47%
			2650	2.081	38.638	2.018	38.945	3.12%	-0.79%
			2680	2.114	38.515	2.051	38.907	3.07%	-1.01%
			2700	2.136	38.428	2.073	38.882	3.04%	-1.17%

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 250 of 387

REV 24.0
05/01/2024

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06/12/2024	2450 Head	19.1	2300	1.629	40.048	1.670	39.500	-2.46%	1.39%
			2310	1.636	40.026	1.679	39.480	-2.56%	1.38%
			2320	1.643	40.005	1.687	39.460	-2.61%	1.38%
			2400	1.703	39.898	1.756	39.289	-3.02%	1.55%
			2450	1.744	39.799	1.800	39.200	-3.11%	1.53%
			2480	1.768	39.779	1.833	39.162	-3.55%	1.58%
			2500	1.782	39.734	1.855	39.136	-3.94%	1.53%
			2510	1.789	39.707	1.866	39.123	-4.13%	1.49%
			2535	1.809	39.650	1.893	39.092	-4.44%	1.43%
			2550	1.822	39.631	1.909	39.073	-4.56%	1.43%
06/26/2024	2450 Head	23.8	2560	1.831	39.623	1.920	39.060	-4.64%	1.44%
			2300	1.694	38.576	1.670	39.500	1.44%	-2.34%
			2310	1.704	38.534	1.679	39.480	1.49%	-2.40%
			2320	1.715	38.488	1.687	39.460	1.66%	-2.46%
			2400	1.809	38.175	1.756	39.289	3.02%	-2.84%
			2450	1.862	37.955	1.800	39.200	3.44%	-3.18%
			2480	1.900	37.858	1.833	39.162	3.66%	-3.33%
			2500	1.921	37.786	1.855	39.136	3.56%	-3.45%
			2510	1.930	37.744	1.866	39.123	3.43%	-3.52%
			2535	1.956	37.619	1.893	39.092	3.33%	-3.77%
			2550	1.977	37.566	1.909	39.073	3.56%	-3.86%
			2560	1.991	37.536	1.920	39.060	3.70%	-3.90%
			2600	2.035	37.388	1.964	39.009	3.62%	-4.16%
			2650	2.095	37.164	2.018	38.945	3.82%	-4.57%
05/26/2024	3600 Head	20.6	2680	2.128	37.056	2.051	38.907	3.75%	-4.76%
			2700	2.148	36.964	2.073	38.882	3.62%	-4.93%
			3300	2.796	38.858	2.708	38.157	3.25%	1.84%
			3350	2.823	38.776	2.759	38.100	2.32%	1.77%
			3450	2.899	38.633	2.861	37.986	1.33%	1.70%
			3500	2.946	38.585	2.913	37.929	1.13%	1.73%
			3550	2.981	38.495	2.964	37.871	0.57%	1.65%
			3560	2.993	38.461	2.974	37.860	0.64%	1.59%
			3600	3.029	38.450	3.015	37.814	0.46%	1.68%
			3650	3.065	38.362	3.066	37.757	-0.03%	1.60%
			3690	3.099	38.297	3.107	37.711	-0.26%	1.55%
			3700	3.109	38.292	3.117	37.700	-0.26%	1.57%
			3750	3.147	38.251	3.169	37.643	-0.69%	1.62%
			3900	3.272	38.025	3.323	37.471	-1.53%	1.48%
			3930	3.310	37.998	3.353	37.437	-1.28%	1.50%
			4100	3.452	37.770	3.528	37.243	-2.15%	1.42%
			4150	3.514	37.742	3.579	37.186	-1.82%	1.50%

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 251 of 387

REV 24.0
05/01/2024

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05/29/2024	3600 Head	21.0	3350	2.893	39.923	2.759	38.100	4.86%	4.78%
			3450	2.973	39.784	2.861	37.986	3.91%	4.73%
			3500	3.012	39.735	2.913	37.929	3.40%	4.76%
			3550	3.055	39.658	2.964	37.871	3.07%	4.72%
			3560	3.068	39.632	2.974	37.860	3.16%	4.68%
			3600	3.095	39.586	3.015	37.814	2.65%	4.69%
			3650	3.138	39.520	3.066	37.757	2.35%	4.67%
			3690	3.169	39.484	3.107	37.711	2.00%	4.70%
			3700	3.178	39.474	3.117	37.700	1.96%	4.71%
			3750	3.215	39.418	3.169	37.643	1.45%	4.72%
			3900	3.354	39.208	3.323	37.471	0.93%	4.64%
			3930	3.384	39.188	3.353	37.437	0.92%	4.68%
			4100	3.541	38.980	3.528	37.243	0.37%	4.66%
			4150	3.590	38.923	3.579	37.186	0.31%	4.67%
06/10/2024	3600 Head	20.9	3450	2.992	39.498	2.861	37.986	4.58%	3.98%
			3500	3.027	39.444	2.913	37.929	3.91%	3.99%
			3550	3.074	39.372	2.964	37.871	3.71%	3.96%
			3560	3.086	39.344	2.974	37.860	3.77%	3.92%
			3600	3.112	39.313	3.015	37.814	3.22%	3.96%
			3650	3.162	39.234	3.066	37.757	3.13%	3.91%
			3690	3.191	39.190	3.107	37.711	2.70%	3.92%
			3700	3.199	39.170	3.117	37.700	2.63%	3.90%
			3750	3.245	39.134	3.169	37.643	2.40%	3.96%
			3900	3.379	38.934	3.323	37.471	1.69%	3.90%
			3930	3.408	38.904	3.353	37.437	1.64%	3.92%
			4100	3.569	38.722	3.528	37.243	1.16%	3.97%
			4150	3.619	38.652	3.579	37.186	1.12%	3.94%
			3300	2.757	38.799	2.708	38.157	1.81%	1.68%
07/31/2024	3600 Head	19.8	3350	2.793	38.730	2.759	38.100	1.23%	1.65%
			3450	2.877	38.587	2.861	37.986	0.56%	1.58%
			3500	2.920	38.522	2.913	37.929	0.24%	1.56%
			3550	2.962	38.462	2.964	37.871	-0.07%	1.56%
			3560	2.975	38.438	2.974	37.860	0.03%	1.53%
			3600	3.006	38.394	3.015	37.814	-0.30%	1.53%
			3650	3.053	38.316	3.066	37.757	-0.42%	1.48%
			3690	3.086	38.278	3.107	37.711	-0.68%	1.50%
			3700	3.093	38.261	3.117	37.700	-0.77%	1.49%
			3750	3.139	38.208	3.169	37.643	-0.95%	1.50%
			3900	3.272	38.006	3.323	37.471	-1.53%	1.43%
			3930	3.302	37.972	3.353	37.437	-1.52%	1.43%
			4100	3.465	37.770	3.528	37.243	-1.79%	1.42%
			4150	3.519	37.708	3.579	37.186	-1.68%	1.40%

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 252 of 387

REV 24.0
05/01/2024

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06/03/2024	5200-5800 Head	20.0	5190	4.421	37.733	4.645	35.998	-4.82%	4.82%
			5240	4.489	37.707	4.696	35.940	-4.41%	4.92%
			5250	4.494	37.681	4.706	35.929	-4.50%	4.88%
			5260	4.497	37.655	4.717	35.917	-4.66%	4.84%
			5270	4.502	37.624	4.727	35.906	-4.76%	4.78%
			5280	4.510	37.595	4.737	35.894	-4.79%	4.74%
			5290	4.521	37.570	4.748	35.883	-4.78%	4.70%
			5300	4.536	37.556	4.758	35.871	-4.67%	4.70%
			5310	4.554	37.553	4.768	35.860	-4.49%	4.72%
			5320	4.574	37.550	4.778	35.849	-4.27%	4.74%
			5500	4.756	37.296	4.963	35.643	-4.17%	4.64%
			5510	4.766	37.283	4.973	35.632	-4.16%	4.63%
			5520	4.779	37.260	4.983	35.620	-4.09%	4.60%
			5530	4.796	37.228	4.994	35.609	-3.96%	4.55%
			5540	4.819	37.197	5.004	35.597	-3.70%	4.49%
			5550	4.841	37.181	5.014	35.586	-3.45%	4.48%
			5560	4.862	37.173	5.024	35.574	-3.22%	4.49%
			5580	4.885	37.140	5.045	35.551	-3.17%	4.47%
			5600	4.891	37.136	5.065	35.529	-3.44%	4.52%
			5610	4.894	37.125	5.076	35.518	-3.59%	4.52%
			5620	4.899	37.097	5.086	35.506	-3.68%	4.48%
			5640	4.929	37.048	5.106	35.483	-3.47%	4.41%
			5660	4.973	37.004	5.127	35.460	-3.00%	4.35%
			5670	4.991	36.981	5.137	35.449	-2.84%	4.32%
			5680	5.004	36.966	5.147	35.437	-2.78%	4.31%
			5690	5.014	36.961	5.158	35.426	-2.79%	4.33%
			5700	5.022	36.957	5.168	35.414	-2.83%	4.36%
			5710	5.026	36.956	5.178	35.403	-2.94%	4.39%
			5720	5.029	36.948	5.188	35.391	-3.06%	4.40%
			5745	5.056	36.886	5.214	35.363	-3.03%	4.31%
			5750	5.065	36.871	5.219	35.357	-2.95%	4.28%
			5755	5.073	36.858	5.224	35.351	-2.89%	4.26%
			5765	5.090	36.836	5.234	35.340	-2.75%	4.23%
			5775	5.108	36.818	5.245	35.329	-2.61%	4.21%
			5785	5.127	36.803	5.255	35.317	-2.44%	4.21%
			5795	5.143	36.791	5.265	35.305	-2.32%	4.21%
			5825	5.163	36.776	5.296	35.271	-2.51%	4.27%
			5835	5.168	36.765	5.305	35.230	-2.58%	4.36%
			5845	5.175	36.741	5.315	35.210	-2.63%	4.35%
			5850	5.180	36.728	5.320	35.200	-2.63%	4.34%
			5855	5.186	36.710	5.325	35.197	-2.61%	4.30%
			5875	5.219	36.664	5.347	35.183	-2.39%	4.21%
			5885	5.237	36.646	5.357	35.177	-2.24%	4.18%
			5905	5.268	36.612	5.379	35.163	-2.06%	4.12%

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 253 of 387

REV 24.0
05/01/2024

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
06/27/2024	5200-5800 Head	20.5	5150	4.465	34.803	4.604	36.043	-3.02%	-3.44%
			5160	4.473	34.795	4.614	36.031	-3.06%	-3.43%
			5170	4.480	34.777	4.624	36.020	-3.11%	-3.45%
			5180	4.487	34.758	4.635	36.009	-3.19%	-3.47%
			5190	4.501	34.747	4.645	35.998	-3.10%	-3.48%
			5200	4.511	34.740	4.655	35.986	-3.09%	-3.46%
			5210	4.519	34.718	4.666	35.975	-3.15%	-3.49%
			5220	4.531	34.682	4.676	35.963	-3.10%	-3.56%
			5240	4.552	34.657	4.696	35.940	-3.07%	-3.57%
			5250	4.557	34.649	4.706	35.929	-3.17%	-3.56%
			5260	4.568	34.630	4.717	35.917	-3.16%	-3.58%
			5270	4.582	34.605	4.727	35.906	-3.07%	-3.62%
			5280	4.600	34.596	4.737	35.894	-2.89%	-3.62%
			5290	4.613	34.590	4.748	35.883	-2.84%	-3.60%
			5300	4.620	34.575	4.758	35.871	-2.90%	-3.61%
			5310	4.624	34.545	4.768	35.860	-3.02%	-3.67%
			5320	4.629	34.508	4.778	35.849	-3.12%	-3.74%
			5500	4.819	34.248	4.963	35.643	-2.90%	-3.91%
			5510	4.834	34.240	4.973	35.632	-2.80%	-3.91%
			5520	4.845	34.227	4.983	35.620	-2.77%	-3.91%
			5530	4.856	34.217	4.994	35.609	-2.76%	-3.91%
			5540	4.864	34.207	5.004	35.597	-2.80%	-3.90%
			5550	4.874	34.195	5.014	35.586	-2.79%	-3.91%
			5560	4.883	34.178	5.024	35.574	-2.81%	-3.92%
			5580	4.907	34.127	5.045	35.551	-2.74%	-4.01%
			5600	4.930	34.094	5.065	35.529	-2.67%	-4.04%
			5610	4.941	34.072	5.076	35.518	-2.66%	-4.07%
			5620	4.952	34.062	5.086	35.506	-2.63%	-4.07%
			5640	4.969	34.045	5.106	35.483	-2.68%	-4.05%
			5660	4.988	34.006	5.127	35.460	-2.71%	-4.10%
			5670	5.002	33.976	5.137	35.449	-2.63%	-4.16%
			5680	5.013	33.945	5.147	35.437	-2.60%	-4.21%
			5690	5.024	33.925	5.158	35.426	-2.60%	-4.24%
			5700	5.037	33.914	5.168	35.414	-2.53%	-4.24%
			5710	5.050	33.896	5.178	35.403	-2.47%	-4.26%
			5720	5.060	33.885	5.188	35.391	-2.47%	-4.26%
			5745	5.090	33.861	5.214	35.363	-2.38%	-4.25%
			5750	5.096	33.847	5.219	35.357	-2.36%	-4.27%
			5755	5.103	33.832	5.224	35.351	-2.32%	-4.30%
			5765	5.114	33.804	5.234	35.340	-2.29%	-4.35%
			5775	5.126	33.786	5.245	35.329	-2.27%	-4.37%
			5785	5.138	33.768	5.255	35.317	-2.23%	-4.39%
			5795	5.146	33.752	5.265	35.305	-2.26%	-4.40%
			5800	5.150	33.749	5.270	35.300	-2.28%	-4.39%
			5805	5.154	33.743	5.275	35.294	-2.29%	-4.39%
			5825	5.173	33.726	5.296	35.271	-2.32%	-4.38%
			5835	5.186	33.715	5.305	35.230	-2.24%	-4.30%
			5845	5.198	33.701	5.315	35.210	-2.20%	-4.29%
			5850	5.203	33.694	5.320	35.200	-2.20%	-4.28%
			5855	5.210	33.688	5.325	35.197	-2.16%	-4.29%
			5865	5.222	33.676	5.336	35.190	-2.14%	-4.30%
			5875	5.233	33.661	5.347	35.183	-2.13%	-4.33%
			5885	5.245	33.636	5.357	35.177	-2.09%	-4.38%
			5905	5.255	33.618	5.379	35.163	-2.31%	-4.39%

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 254 of 387

REV 24.0
05/01/2024

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
05/28/2024	6000 Head	20.4	5935	5.243	35.888	5.411	35.143	-3.10%	2.12%
			5970	5.295	35.826	5.448	35.120	-2.81%	2.01%
			5985	5.311	35.800	5.464	35.110	-2.80%	1.97%
			6000	5.324	35.771	5.480	35.100	-2.85%	1.91%
			6025	5.346	35.710	5.510	35.070	-2.98%	1.82%
			6065	5.408	35.662	5.557	35.022	-2.68%	1.83%
			6075	5.421	35.657	5.569	35.010	-2.66%	1.85%
			6085	5.432	35.651	5.580	34.998	-2.65%	1.87%
			6185	5.560	35.457	5.698	34.878	-2.42%	1.66%
			6275	5.672	35.271	5.805	34.770	-2.29%	1.44%
			6285	5.682	35.250	5.816	34.758	-2.30%	1.42%
			6305	5.694	35.225	5.840	34.734	-2.50%	1.41%
			6345	5.744	35.160	5.887	34.686	-2.43%	1.37%
			6475	5.885	34.929	6.041	34.530	-2.58%	1.16%
			6485	5.897	34.918	6.052	34.518	-2.56%	1.16%
			6500	5.920	34.900	6.070	34.500	-2.47%	1.16%
			6505	5.927	34.897	6.076	34.494	-2.45%	1.17%
			6545	5.986	34.882	6.122	34.446	-2.22%	1.27%
			6665	6.120	34.672	6.265	34.302	-2.31%	1.08%
			6675	6.132	34.640	6.273	34.290	-2.25%	1.02%
			6685	6.150	34.608	6.285	34.278	-2.15%	0.96%
			6715	6.201	34.565	6.319	34.242	-1.87%	0.94%
			6785	6.261	34.400	6.400	34.158	-2.17%	0.71%
			6825	6.319	34.371	6.447	34.110	-1.99%	0.77%
			6985	6.488	34.060	6.633	33.918	-2.19%	0.42%
			6995	6.506	34.050	6.644	33.906	-2.08%	0.42%
			7000	6.514	34.044	6.650	33.900	-2.05%	0.42%
			7025	6.549	34.035	6.680	33.870	-1.96%	0.49%
			7500	7.136	33.316	7.240	33.300	-1.44%	0.05%
			7980	7.692	32.461	7.816	32.724	-1.59%	-0.80%
			8000	7.796	32.309	7.840	32.700	-0.56%	-1.20%

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

Note: Per April 2019 TCB Workshop Notes, single head-tissue simulating liquid specified in IEC 62209-1 is permitted to use for all SAR tests.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 255 of 387

REV 24.0
05/01/2024

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9.2 Test System Verification

Prior to SAR assessment, the system is verified to $\pm 10\%$ of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in the SAR System Validation Appendix.

Table 9-2
System Verification Results

System Verification																	
TARGET & MEASURED																	
SAR System	Tissue Frequency (MHz)	Tissue Type	Date	Amb. Temp. (C)	Liquid Temp. (C)	Input Power (W)	Source SN	Probe SN	DAE	Measured SAR 1g (W/kg)	1W Target SAR 1g (W/kg)	1W Normalized SAR 1g (W/kg)	Deviation 1g (%)	Measured 4cm2 APD (W/m2)	1W Target 4cm2 APD (W/m2)	1W Normalized 4cm2 APD (W/m2)	Deviation 4cm APD (%)
AM14	13	HEAD	06/22/2024	21.0	21.2	1.00	1004	3746	1237	0.590	0.578	0.590	2.08%				
AM1	750	HEAD	05/28/2024	21.5	20.8	0.20	1057	3949	1684	1.680	8.510	8.400	-1.29%				
AM1	750	HEAD	05/30/2024	22.0	21.0	0.20	1097	3949	1684	1.720	8.270	8.600	3.99%				
AM1	750	HEAD	06/03/2024	22.4	22.0	0.20	1097	3949	1684	1.740	8.270	8.700	5.20%				
AM1	750	HEAD	06/10/2024	21.5	23.0	0.20	1097	3949	1684	1.680	8.270	8.400	1.57%				
AM1	750	HEAD	06/12/2024	21.6	22.7	0.20	1097	3949	1684	1.730	8.270	8.650	4.59%				
AM15	835	HEAD	05/20/2024	20.5	19.4	0.20	4d108	7668	1681	2.040	9.800	10.200	4.08%				
AM15	835	HEAD	05/22/2024	22.4	21.0	0.20	4d108	7668	1681	2.090	9.800	10.450	6.63%				
AM15	835	HEAD	06/03/2024	21.0	19.6	0.20	4d108	7668	1681	2.010	9.800	10.050	2.55%				
AM7	1750	HEAD	05/23/2024	23.2	21.0	0.10	1083	7421	604	3.820	36.500	38.200	4.66%				
AM7	1750	HEAD	05/30/2024	21.2	20.4	0.10	1104	7421	604	3.790	35.600	37.900	6.46%				
AM7	1750	HEAD	06/05/2024	20.8	20.0	0.10	1104	7421	604	3.650	35.600	36.500	2.53%				
AM4	1900	HEAD	05/28/2024	21.8	20.6	0.10	5d180	7639	1403	4.040	39.200	40.400	3.06%				
AM4	1900	HEAD	05/30/2024	22.6	21.0	0.10	5d180	7639	1403	4.170	39.200	41.700	6.38%				
AM4	1900	HEAD	06/05/2024	22.1	21.0	0.10	5d180	7639	1403	4.060	39.200	40.600	3.57%				
AM13	2300	HEAD	05/28/2024	21.5	21.0	0.10	1064	7682	1683	4.730	49.300	47.300	-4.06%				
AM13	2300	HEAD	05/30/2024	22.8	21.2	0.10	1064	7682	1683	4.590	49.300	45.900	-6.90%				
AM6	2450	HEAD	05/22/2024	22.0	23.0	0.10	921	7499	1644	5.320	54.200	53.200	-1.85%				
AM6	2450	HEAD	05/30/2024	21.5	22.5	0.10	921	7499	1644	5.240	54.200	52.400	-3.32%				
AM12	2450	HEAD	06/01/2024	21.5	23.5	0.10	750	7638	1408	5.330	52.600	53.300	1.33%				
AM6	2450	HEAD	06/03/2024	22.0	22.7	0.10	750	7499	1644	5.370	52.600	53.700	2.09%				
AM13	2450	HEAD	06/12/2024	21.5	20.4	0.10	750	7682	1683	5.050	52.600	50.500	-3.99%				
AM6	2450	HEAD	06/26/2024	20.8	22.4	0.10	750	7499	1644	5.330	52.600	53.300	1.33%				
AM6	2600	HEAD	05/30/2024	21.5	22.5	0.10	1068	7499	1644	5.510	56.500	55.100	-2.48%				
AM12	2600	HEAD	06/01/2024	21.5	23.5	0.10	1042	7638	1408	5.640	55.800	56.400	1.08%				
AM6	2600	HEAD	06/03/2024	22.0	22.7	0.10	1042	7499	1644	5.340	55.800	53.400	-4.30%				
AM6	2600	HEAD	06/26/2024	20.8	22.4	0.10	1042	7499	1644	5.560	55.800	55.600	-0.36%				
AM3	3500	HEAD	05/26/2024	21.1	21.0	0.10	1126	7782	1646	6.450	67.000	64.500	-3.73%				
AM3	3500	HEAD	05/29/2024	22.1	22.0	0.10	1126	7782	1646	6.660	67.000	66.600	-0.60%				
AM3	3500	HEAD	06/10/2024	21.8	21.6	0.10	1055	7782	1646	7.080	66.000	70.800	7.27%				
AM6	3500	HEAD	07/31/2024	20.3	20.0	0.10	1055	7499	1644	6.680	66.000	66.800	1.21%				
AM3	3700	HEAD	05/26/2024	21.1	21.0	0.10	1097	7782	1646	6.620	68.100	66.200	-2.79%				
AM3	3700	HEAD	05/29/2024	22.1	22.0	0.10	1097	7782	1646	6.580	68.100	65.800	-3.38%				
AM3	3700	HEAD	06/10/2024	21.8	21.6	0.10	1002	7782	1646	7.000	67.900	70.000	3.09%				
AM6	3700	HEAD	07/31/2024	20.3	20.0	0.10	1002	7499	1644	6.540	67.900	65.400	-3.68%				
AM3	3900	HEAD	05/26/2024	21.1	21.0	0.10	1073	7782	1646	6.830	69.700	68.300	-2.01%				
AM3	3900	HEAD	05/29/2024	22.1	22.0	0.10	1073	7782	1646	6.880	69.700	68.800	-1.29%				
AM3	3900	HEAD	06/10/2024	21.8	21.6	0.10	1062	7782	1646	7.260	68.900	72.600	5.37%				
AM6	3900	HEAD	07/31/2024	20.3	20.0	0.10	1062	7499	1644	6.960	68.900	69.600	1.02%				
AM9	5250	HEAD	06/03/2024	20.1	19.1	0.05	1066	3746	1237	4.130	80.300	82.600	2.86%				
AM8	5250	HEAD	06/27/2024	20.8	19.8	0.05	1066	7427	467	3.800	80.300	76.000	-5.35%				
AM9	5600	HEAD	06/03/2024	20.1	19.1	0.05	1066	3746	1237	4.370	83.900	87.400	4.17%				
AM8	5600	HEAD	06/27/2024	20.8	19.8	0.05	1066	7427	467	4.120	83.900	82.400	-1.79%				
AM9	5750	HEAD	06/03/2024	20.1	19.1	0.05	1066	3746	1237	4.230	79.500	84.600	6.42%				
AM8	5750	HEAD	06/27/2024	20.8	19.8	0.05	1066	7427	467	3.800	79.500	76.000	-4.40%				
AM9	5850	HEAD	06/03/2024	20.1	19.1	0.05	1066	3746	1237	4.320	82.200	86.400	5.11%				
AM8	5850	HEAD	06/27/2024	20.8	19.8	0.05	1066	7427	467	3.960	82.200	79.200	-3.65%				
AM2	6500	HEAD	05/28/2024	21.3	20.0	0.025	1019	7420	1333	7.100	293.000	284.000	-3.07%	31.8	1320	1272	-3.64%

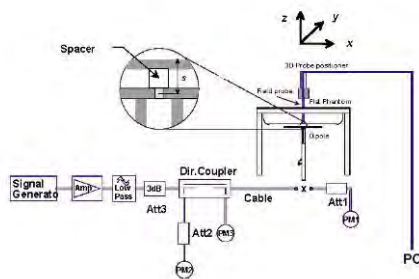


Figure 9-1
System Verification Setup Diagram



Figure 9-2
System Verification Setup Photo

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 256 of 387

REV 24.0
05/01/2024

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9.3 Power Density Test System Verification

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

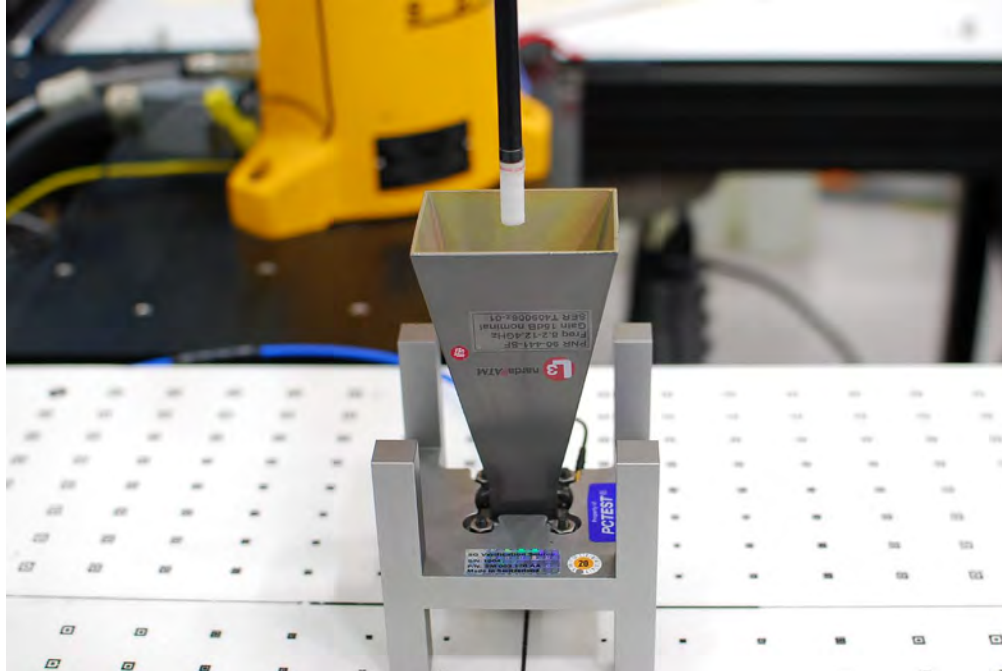


Figure 9-3
System Verification Setup Photo

Table 9-3
10 GHz Verification Results

System Verification											
System	Frequency (GHz)	Date	Source S/N	Probe S/N	Prad (mW)	Normal psPD (W/m ² over 4 cm ²)		Deviation (dB)	Total psPD (W/m ² over 4 cm ²)		Deviation (dB)
						Measured	Target		Measured	Target	
AM5	10	05/22/2024	1006	9407	93.3	54.30	58.50	-0.32	54.40	58.90	-0.35

Note: A **10 mm distance spacing** was used from the reference horn antenna aperture to the probe element.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 257 of 387

REV 24.0
05/01/2024

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10 SAR DATA SUMMARY

10.1 UMTS 850 Standalone SAR

Table 10-1 Antenna 2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 850	RMC	2	7PVIT	1:1	0.01	826.40	4132	17.50	16.35	Back	0	0.652	0.269	1.303	0.850	0.351		17.2	
Body	UMTS 850	RMC	2	7PVIT	1:1	-0.04	836.60	4183	17.50	16.40	Back	0	0.703	0.270	1.288	0.905	0.348		16.9	
Body	UMTS 850	RMC	2	7PVIT	1:1	-0.01	846.60	4233	17.50	16.33	Back	0	0.597	0.228	1.309	0.781	0.298		17.6	
Body	UMTS 850	RMC	2	7PVIT	1:1	0.03	836.60	4183	17.50	16.40	Top	0	0.009	0.002	1.288	0.012	0.003		35.8	
Body	UMTS 850	RMC	2	7PVIT	1:1	0.00	826.40	4132	17.50	16.35	Bottom	0	0.693	0.270	1.303	0.903	0.352		16.9	16.9
Body	UMTS 850	RMC	2	7PVIT	1:1	0.00	836.60	4183	17.50	16.40	Bottom	0	0.673	0.269	1.288	0.867	0.346		17.1	
Body	UMTS 850	RMC	2	7PVIT	1:1	0.04	846.60	4233	17.50	16.33	Bottom	0	0.687	0.262	1.309	0.899	0.343		16.9	
Body	UMTS 850	RMC	2	7PVIT	1:1	-0.04	836.60	4183	17.50	16.40	Right	0	0.456	0.174	1.288	0.587	0.224		18.8	
Body	UMTS 850	RMC	2	7PVIT	1:1	-0.07	836.60	4183	17.50	16.40	Left	0	0.045	0.021	1.288	0.058	0.027		28.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-2 Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 850	RMC	4	4K32C	1:1	-0.03	826.40	4132	17.70	16.75	Back	0	0.751	0.337	1.245	0.935	0.420		17.0	
Body	UMTS 850	RMC	4	4K32C	1:1	0.00	836.60	4183	17.70	16.77	Back	0	0.777	0.342	1.239	0.963	0.424	A1	16.8	
Body	UMTS 850	RMC	4	4K32C	1:1	0.02	846.60	4233	17.70	16.71	Back	0	0.624	0.289	1.256	0.784	0.363		17.7	
Body	UMTS 850	RMC	4	4K32C	1:1	0.01	836.60	4183	17.70	16.77	Top	0	0.511	0.214	1.239	0.633	0.265		18.7	
Body	UMTS 850	RMC	4	4K32C	1:1	0.06	836.60	4183	17.70	16.77	Bottom	0	0.003	0.000	1.239	0.004	0.000		41.0	16.8
Body	UMTS 850	RMC	4	4K32C	1:1	-0.18	836.60	4183	17.70	16.77	Right	0	0.049	0.022	1.239	0.061	0.027		28.8	
Body	UMTS 850	RMC	4	4K32C	1:1	-0.03	836.60	4183	17.70	16.77	Left	0	0.426	0.164	1.239	0.528	0.203		19.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 258 of 387

REV 24.0
05/01/2024

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10.2 UMTS 1750 Standalone SAR

Table 10-3 Antenna 1b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.01	1712.40	1312	11.70	11.34	Back	0	0.817	0.320	1.086	0.887	0.348		11.2	11.1
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.01	1732.40	1412	11.70	11.35	Back	0	0.825	0.322	1.084	0.894	0.349		11.2	
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.01	1752.60	1513	11.70	11.32	Back	0	0.828	0.323	1.091	0.903	0.352	A2	11.1	
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.03	1732.40	1412	11.70	11.35	Top	0	0.006	0.002	1.084	0.007	0.002		32.5	
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.00	1732.40	1412	11.70	11.35	Bottom	0	0.606	0.221	1.084	0.657	0.240		12.5	
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.07	1732.40	1412	11.70	11.35	Right	0	0.026	0.012	1.084	0.028	0.013		26.2	
Body	UMTS 1750	RMC	1b	HHQIP	1:1	0.07	1732.40	1412	11.70	11.35	Left	0	0.034	0.015	1.084	0.037	0.016		25.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-4 Antenna 2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	2	V2HLY	1:1	-0.01	1712.40	1312	13.40	12.39	Back	0	0.671	0.287	1.262	0.847	0.362		13.1	12.4
Body	UMTS 1750	RMC	2	V2HLY	1:1	0.01	1732.40	1412	13.40	12.47	Back	0	0.675	0.289	1.239	0.836	0.358		13.2	
Body	UMTS 1750	RMC	2	V2HLY	1:1	0.02	1752.60	1513	13.40	12.55	Back	0	0.702	0.300	1.216	0.854	0.365		13.1	
Body	UMTS 1750	RMC	2	V2HLY	1:1	0.06	1752.60	1513	13.40	12.55	Top	0	0.004	0.001	1.216	0.005	0.001		35.5	
Body	UMTS 1750	RMC	2	V2HLY	1:1	-0.03	1752.60	1513	13.40	12.55	Bottom	0	0.502	0.216	1.216	0.610	0.263		14.5	
Body	UMTS 1750	RMC	2	V2HLY	1:1	-0.03	1712.40	1312	13.40	12.39	Right	0	0.716	0.251	1.262	0.904	0.317		12.8	
Body	UMTS 1750	RMC	2	V2HLY	1:1	-0.06	1732.40	1412	13.40	12.47	Right	0	0.738	0.261	1.239	0.914	0.323		12.8	
Body	UMTS 1750	RMC	2	V2HLY	1:1	0.01	1752.60	1513	13.40	12.55	Right	0	0.816	0.288	1.216	0.992	0.350		12.4	
Body	UMTS 1750	RMC	2	V2HLY	1:1	0.01	1752.60	1513	13.40	12.55	Left	0	0.003	0.001	1.216	0.004	0.001		36.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-5 Antenna 3b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	3b	YHCOK	1:1	-0.03	1712.40	1312	13.00	12.40	Back	0	0.631	0.268	1.148	0.724	0.308		13.4	12.4
Body	UMTS 1750	RMC	3b	YHCOK	1:1	-0.02	1712.40	1312	13.00	12.40	Top	0	0.789	0.321	1.148	0.906	0.369		12.4	
Body	UMTS 1750	RMC	3b	YHCOK	1:1	-0.02	1732.40	1412	13.00	12.27	Top	0	0.737	0.295	1.183	0.872	0.349		12.6	
Body	UMTS 1750	RMC	3b	YHCOK	1:1	-0.02	1752.60	1513	13.00	12.26	Top	0	0.707	0.281	1.186	0.839	0.333		12.7	
Body	UMTS 1750	RMC	3b	YHCOK	1:1	0.08	1712.40	1312	13.00	12.40	Bottom	0	0.004	0.001	1.148	0.005	0.001		35.4	
Body	UMTS 1750	RMC	3b	YHCOK	1:1	0.04	1712.40	1312	13.00	12.40	Right	0	0.062	0.028	1.148	0.071	0.032		23.5	
Body	UMTS 1750	RMC	3b	YHCOK	1:1	0.09	1712.40	1312	13.00	12.40	Left	0	0.034	0.015	1.148	0.039	0.017		26.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-6 Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	4	CYL22	1:1	0.03	1752.60	1513	13.50	12.73	Back	0	0.551	0.247	1.194	0.658	0.295		14.3	12.6
Body	UMTS 1750	RMC	4	CYL22	1:1	-0.03	1752.60	1513	13.50	12.73	Top	0	0.615	0.260	1.194	0.734	0.310		13.8	
Body	UMTS 1750	RMC	4	CYL22	1:1	0.08	1752.60	1513	13.50	12.73	Bottom	0	0.019	0.009	1.194	0.023	0.011		28.9	
Body	UMTS 1750	RMC	4	CYL22	1:1	0.03	1752.60	1513	13.50	12.73	Right	0	0.004	0.002	1.194	0.005	0.002		35.7	
Body	UMTS 1750	RMC	4	CYL22	1:1	-0.06	1712.40	1312	13.50	12.69	Left	0	0.780	0.275	1.205	0.940	0.331		12.7	
Body	UMTS 1750	RMC	4	CYL22	1:1	0.00	1732.40	1412	13.50	12.56	Left	0	0.769	0.270	1.242	0.955	0.335		12.7	
Body	UMTS 1750	RMC	4	CYL22	1:1	0.01	1752.60	1513	13.50	12.73	Left	0	0.806	0.281	1.194	0.962	0.336		12.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 259 of 387

REV 24.0
05/01/2024

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10.3 UMTS 1900 Standalone SAR

Table 10-7 Antenna 1b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	1b	F97Q4	1:1	0.01	1852.40	9262	11.80	10.72	Back	0	0.718	0.279	1.282	0.920	0.358		11.1	
Body	UMTS 1900	RMC	1b	F97Q4	1:1	-0.01	1880.00	9400	11.80	10.78	Back	0	0.698	0.269	1.265	0.883	0.340		11.3	
Body	UMTS 1900	RMC	1b	F97Q4	1:1	0.01	1907.60	9538	11.80	10.77	Back	0	0.682	0.262	1.268	0.865	0.332		11.4	
Body	UMTS 1900	RMC	1b	F97Q4	1:1	-0.04	1880.00	9400	11.80	10.78	Top	0	0.009	0.003	1.265	0.011	0.004		30.2	11.1
Body	UMTS 1900	RMC	1b	F97Q4	1:1	0.00	1880.00	9400	11.80	10.78	Bottom	0	0.485	0.174	1.265	0.614	0.220		12.9	
Body	UMTS 1900	RMC	1b	F97Q4	1:1	-0.02	1880.00	9400	11.80	10.78	Right	0	0.022	0.009	1.265	0.028	0.011		26.3	
Body	UMTS 1900	RMC	1b	F97Q4	1:1	-0.11	1880.00	9400	11.80	10.78	Left	0	0.041	0.018	1.265	0.052	0.023		23.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-8 Antenna 2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	2	F97Q4	1:1	-0.06	1852.40	9262	14.30	13.62	Back	0	0.626	0.286	1.169	0.712	0.334		14.6	
Body	UMTS 1900	RMC	2	F97Q4	1:1	0.08	1852.40	9262	14.30	13.62	Top	0	0.013	0.005	1.169	0.013	0.006		32.2	
Body	UMTS 1900	RMC	2	F97Q4	1:1	0.01	1852.40	9262	14.30	13.62	Bottom	0	0.497	0.218	1.169	0.581	0.255		15.6	
Body	UMTS 1900	RMC	2	F97Q4	1:1	-0.02	1852.40	9262	14.30	13.62	Right	0	0.847	0.310	1.169	0.950	0.362		13.3	13.3
Body	UMTS 1900	RMC	2	F97Q4	1:1	-0.02	1880.00	9400	14.30	13.61	Right	0	0.731	0.273	1.172	0.857	0.320		14.0	
Body	UMTS 1900	RMC	2	F97Q4	1:1	0.03	1907.60	9538	14.30	13.53	Right	0	0.660	0.252	1.194	0.788	0.301		14.3	
Body	UMTS 1900	RMC	2	F97Q4	1:1	-0.10	1852.40	9262	14.30	13.62	Left	0	0.006	0.003	1.169	0.007	0.004		34.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-9 Antenna 3b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	3b	S91S1	1:1	0.00	1852.40	9262	13.20	12.77	Back	0	0.825	0.341	1.104	0.911	0.376		12.6	
Body	UMTS 1900	RMC	3b	S91S1	1:1	0.00	1880.00	9400	13.20	12.79	Back	0	0.818	0.340	1.122	0.918	0.381		12.6	
Body	UMTS 1900	RMC	3b	S91S1	1:1	0.00	1907.60	9538	13.20	12.76	Back	0	0.835	0.342	1.107	0.924	0.379		12.5	
Body	UMTS 1900	RMC	3b	S91S1	1:1	-0.01	1852.40	9262	13.20	12.77	Top	0	0.758	0.301	1.104	0.837	0.332		13.0	
Body	UMTS 1900	RMC	3b	S91S1	1:1	0.02	1880.00	9400	13.20	12.70	Top	0	0.799	0.311	1.122	0.896	0.349		12.7	12.5
Body	UMTS 1900	RMC	3b	S91S1	1:1	-0.04	1907.60	9538	13.20	12.76	Top	0	0.831	0.321	1.107	0.920	0.355		12.5	
Body	UMTS 1900	RMC	3b	S91S1	1:1	0.03	1852.40	9262	13.20	12.77	Bottom	0	0.005	0.002	1.104	0.006	0.002		34.8	
Body	UMTS 1900	RMC	3b	S91S1	1:1	-0.07	1852.40	9262	13.20	12.77	Right	0	0.085	0.036	1.104	0.094	0.040		22.5	
Body	UMTS 1900	RMC	3b	S91S1	1:1	-0.15	1852.40	9262	13.20	12.77	Left	0	0.030	0.015	1.104	0.033	0.017		27.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-10 Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	4	7QVRL	1:1	-0.04	1852.40	9262	13.70	12.76	Back	0	0.741	0.322	1.242	0.920	0.400		13.0	
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.01	1880.00	9400	13.70	12.89	Back	0	0.755	0.327	1.205	0.910	0.394		13.1	
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.00	1907.60	9538	13.70	13.07	Back	0	0.783	0.338	1.156	0.905	0.391		13.1	
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.02	1907.60	9538	13.70	13.07	Top	0	0.550	0.259	1.156	0.636	0.265		14.6	
Body	UMTS 1900	RMC	4	7QVRL	1:1	-0.07	1907.60	9538	13.70	13.07	Bottom	0	0.010	0.004	1.156	0.012	0.005		32.1	12.7
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.07	1907.60	9538	13.70	13.07	Right	0	0.000	0.000	1.156	0.000	0.000		52.1	
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.06	1852.40	9262	13.70	12.76	Left	0	0.777	0.285	1.242	0.965	0.354		12.8	
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.08	1880.00	9400	13.70	12.89	Left	0	0.813	0.301	1.205	0.980	0.363		12.8	
Body	UMTS 1900	RMC	4	7QVRL	1:1	0.07	1907.60	9538	13.70	13.07	Left	0	0.860	0.317	1.156	0.994	0.366	A3	12.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram								

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 260 of 387

REV 24.0
05/01/2024

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10.4 LTE Band 71 Standalone SAR

Table 10-11 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	PLimit [dBm]	Overall PLimit [dBm]
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.02	680.50	133297	0.0	19.70	19.65	1	0	Back	0	0.882	0.326	1.032	0.893	0.330		19.2	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.01	680.50	133297	0.0	19.70	19.63	50	25	Back	0	0.841	0.306	1.036	0.854	0.311		19.4	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	0.02	680.50	133297	0.0	19.70	19.59	100	0	Back	0	0.867	0.331	1.039	0.910	0.340	A4	19.1	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.20	680.50	133297	0.0	19.70	19.65	1	0	Top	0	0.957	0.009	1.032	0.917	0.009		36.1	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.11	680.50	133297	0.0	19.70	19.63	50	25	Top	0	0.918	0.009	1.036	0.918	0.009		36.1	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	0.00	680.50	133297	0.0	19.70	19.65	1	0	Bottom	0	0.895	0.138	1.032	0.815	0.142		19.6	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.02	680.50	133297	0.0	19.70	19.63	50	25	Bottom	0	0.839	0.144	1.036	0.832	0.150		19.5	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	0.01	680.50	133297	0.0	19.70	19.59	100	0	Bottom	0	0.877	0.145	1.026	0.849	0.154		19.4	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.11	680.50	133297	0.0	19.70	19.65	1	0	Right	0	0.459	0.173	1.032	0.465	0.175		22.0	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.02	680.50	133297	0.0	19.70	19.63	50	25	Right	0	0.460	0.159	1.036	0.417	0.162		22.5	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.11	680.50	133297	0.0	19.70	19.65	1	0	Left	0	0.900	0.023	1.032	0.940	0.023		32.6	
Body	LTE Band 71	20	QPSK	2	BH93L	1:1	-0.15	680.50	133297	0.0	19.70	19.63	50	25	Left	0	0.696	0.020	1.036	0.937	0.020		33.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-12 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	PLimit [dBm]	Overall PLimit [dBm]
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	-0.08	680.50	133297	0.0	20.40	19.46	1	0	Back	0	0.800	0.377	1.242	0.954	0.468		19.4	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	0.01	680.50	133297	0.0	20.40	19.49	50	0	Back	0	0.751	0.357	1.233	0.926	0.440		19.7	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	0.00	680.50	133297	0.0	20.40	19.39	100	0	Back	0	0.727	0.342	1.262	0.917	0.432		19.8	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	-0.03	680.50	133297	0.0	20.40	19.46	1	0	Top	0	0.485	0.208	1.242	0.602	0.258		21.6	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	-0.01	680.50	133297	0.0	20.40	19.49	50	0	Top	0	0.481	0.206	1.233	0.593	0.254		21.6	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	0.07	680.50	133297	0.0	20.40	19.46	1	0	Bottom	0	0.021	0.009	1.242	0.026	0.011		35.2	19.4
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	0.01	680.50	133297	0.0	20.40	19.48	50	0	Bottom	0	0.020	0.009	1.233	0.025	0.011		35.5	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	0.02	680.50	133297	0.0	20.40	19.46	1	0	Right	0	0.077	0.035	1.242	0.096	0.043		29.6	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	-0.07	680.50	133297	0.0	20.40	19.49	50	0	Right	0	0.074	0.033	1.233	0.091	0.041		29.8	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	0.01	680.50	133297	0.0	20.40	19.46	1	0	Left	0	0.508	0.186	1.242	0.631	0.231		21.4	
Body	LTE Band 71	20	QPSK	4	F97Q4	1:1	-0.02	680.50	133297	0.0	20.40	19.49	50	0	Left	0	0.498	0.187	1.233	0.614	0.231		21.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body							
Spatial Peak																	1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																	averaged over 1 gram							

10.5 LTE Band 12 Standalone SAR

Table 10-13 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	PLimit [dBm]	Overall PLimit [dBm]
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	-0.10	707.50	23095	0.0	18.70	18.08	1	0	Back	0	0.862	0.321	1.153	0.971	0.370		17.8	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	-0.03	707.50	23095	0.0	18.70	18.11	25	12	Back	0	0.828	0.310	1.146	0.949	0.355		17.9	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	0.00	707.50	23095	0.0	18.70	18.07	50	0	Back	0	0.848	0.315	1.156	0.980	0.364	A5	17.8	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	0.05	707.50	23095	0.0	18.70	18.06	1	0	Top	0	0.928	0.008	1.153	0.921	0.009		34.5	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	0.08	707.50	23095	0.0	18.70	18.11	25	12	Top	0	0.915	0.007	1.146	0.917	0.008		35.3	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	-0.01	707.50	23095	0.0	18.70	18.08	1	0	Bottom	0	0.567	0.269	1.153	0.609	0.310		18.8	17.8
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	-0.02	707.50	23095	0.0	18.70	18.11	25	12	Bottom	0	0.980	0.276	1.146	0.779	0.316		18.8	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	0.01	707.50	23095	0.0	18.70	18.07	50	0	Bottom	0	0.881	0.274	1.156	0.787	0.317		18.7	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	-0.10	707.50	23095	0.0	18.70	18.08	1	0	Right	0	0.476	0.162	1.153	0.549	0.187		20.3	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	-0.06	707.50	23095	0.0	18.70	18.11	25	12	Right	0	0.452	0.157	1.146	0.518	0.180		20.5	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	0.05	707.50	23095	0.0	18.70	18.08	1	0	Left	0	0.992	0.023	1.153	0.960	0.027		29.9	
Body	LTE Band 12	10	QPSK	2	L11NF	1:1	0.06	707.50	23095	0.0	18.70	18.11	25	12	Left	0	0.904	0.019	1.146	0.950	0.022		30.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-14 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	PLimit [dBm]	Overall PLimit [dBm]
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	-0.03	707.50	23095	0.0	19.50	18.30	1	25	Back	0	0.647	0.304	1.318	0.853	0.401		19.2	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	-0.04	707.50	23095	0.0	19.50	18.17	25	25	Back	0	0.643	0.302	1.358	0.873	0.410		19.1	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	-0.04	707.50	23095	0.0	19.50	18.10	50	0	Back	0	0.645	0.304	1.380	0.890	0.420		19.0	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	0.03	707.50	23095	0.0	19.50	18.30	1	25	Top	0	0.519	0.223	1.318	0.684	0.294		20.1	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	0.00	707.50	23095	0.0	19.50	18.17	25	25	Top	0	0.526	0.225	1.358	0.714	0.306		19.9	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	0.09	707.50	23095	0.0	19.50	18.30	1	25	Bottom	0	0.020	0.008	1.318	0.026	0.011		34.3	19.0
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	0.09	707.50	23095	0.0	19.50	18.17	25	25	Bottom	0	0.024	0.010	1.358	0.033	0.014		33.3	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	0.16	707.50	23095	0.0	19.50	18.30	1	25	Right	0	0.049	0.022	1.318	0.065	0.029		30.4	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	-0.05	707.50	23095	0.0	19.50	18.17	25	25	Right	0	0.044	0.020	1.358	0.060	0.027		30.7	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	-0.03	707.50	23095	0.0	19.50	18.30	1	25	Left	0	0.433	0.155	1.318	0.571	0.204		20.9	
Body	LTE Band 12	10	QPSK	4	6TTVH	1:1	-0.05	707.50	23095	0.0	19.50	18.17	25	25	Left	0	0.440	0.159	1.358	0.598	0.216		20.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by:
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Technical Manager
		Page 261 of 387	

REV 24.0
05/01/2024

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10.6 LTE Band 13 Standalone SAR

Table 10-15 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	-0.17	782.00	23220	0.0	18.60	17.95	1	49	Back	0	0.753	0.283	1.161	0.874	0.329		18.2	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	-0.02	782.00	23220	0.0	18.60	18.05	25	0	Back	0	0.749	0.286	1.135	0.850	0.325		18.3	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	0.02	782.00	23220	0.0	18.60	17.93	50	0	Back	0	0.753	0.286	1.167	0.879	0.334		18.1	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	0.04	782.00	23220	0.0	18.60	17.95	1	49	Top	0	0.030	0.004	1.161	0.012	0.005		36.9	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	-0.11	782.00	23220	0.0	18.60	18.05	25	0	Top	0	0.009	0.004	1.135	0.010	0.005		37.5	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	-0.20	782.00	23220	0.0	18.60	17.95	1	49	Bottom	0	0.767	0.314	1.161	0.890	0.365		18.1	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	0.01	782.00	23220	0.0	18.60	18.05	25	0	Bottom	0	0.752	0.305	1.135	0.854	0.346		18.3	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	0.05	782.00	23220	0.0	18.60	17.93	50	0	Bottom	0	0.742	0.303	1.167	0.866	0.354		18.2	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	0.06	782.00	23220	0.0	18.60	17.95	1	49	Right	0	0.544	0.198	1.161	0.632	0.230		19.6	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	-0.12	782.00	23220	0.0	18.60	18.05	25	0	Right	0	0.521	0.191	1.135	0.591	0.217		19.9	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	-0.05	782.00	23220	0.0	18.60	17.95	1	49	Left	0	0.060	0.027	1.161	0.070	0.031		29.1	
Body	LTE Band 13	10	QPSK	2	F97Q4	1:1	0.19	782.00	23220	0.0	18.60	18.05	25	0	Left	0	0.062	0.028	1.135	0.070	0.032		29.1	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-16 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 13	10	QPSK	4	69336	1:1	0.07	782.00	23220	0.0	18.80	18.65	1	25	Back	0	0.930	0.427	1.035	0.963	0.442		17.9	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.02	782.00	23220	0.0	18.80	18.61	25	12	Back	0	0.942	0.435	1.045	0.984	0.444		17.9	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.02	782.00	23220	0.0	18.80	18.60	50	0	Back	0	0.944	0.426	1.047	0.988	0.446	A6	17.8	
Body	LTE Band 13	10	QPSK	4	69336	1:1	0.10	782.00	23220	0.0	18.80	18.60	50	0	Back	0	0.916	0.427	1.047	0.961	0.447		18.0	
Body	LTE Band 13	10	QPSK	4	69336	1:1	0.02	782.00	23220	0.0	18.80	18.65	1	25	Top	0	0.735	0.299	1.035	0.761	0.309		18.0	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.06	782.00	23220	0.0	18.80	18.61	25	12	Top	0	0.745	0.303	1.045	0.779	0.317		18.9	
Body	LTE Band 13	10	QPSK	4	69336	1:1	0.00	782.00	23220	0.0	18.80	18.60	50	0	Top	0	0.749	0.305	1.047	0.784	0.319		18.8	
Body	LTE Band 13	10	QPSK	4	69336	1:1	0.07	782.00	23220	0.0	18.80	18.65	1	25	Bottom	0	0.017	0.009	1.035	0.018	0.009		35.3	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.02	782.00	23220	0.0	18.80	18.61	25	12	Bottom	0	0.021	0.009	1.045	0.022	0.009		34.4	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.19	782.00	23220	0.0	18.80	18.65	1	25	Right	0	0.080	0.037	1.035	0.085	0.038		28.5	
Body	LTE Band 13	10	QPSK	4	69336	1:1	0.03	782.00	23220	0.0	18.80	18.61	25	12	Right	0	0.081	0.036	1.045	0.085	0.038		28.5	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.03	782.00	23220	0.0	18.80	18.65	1	25	Left	0	0.661	0.251	1.035	0.684	0.260		19.4	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.03	782.00	23220	0.0	18.80	18.61	25	12	Left	0	0.656	0.245	1.045	0.686	0.256		19.4	
Body	LTE Band 13	10	QPSK	4	69336	1:1	-0.03	782.00	23220	0.0	18.80	18.60	50	0	Left	0	0.648	0.244	1.047	0.678	0.255		19.5	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Note: Blue entry represents variability measurement.

10.7 LTE Band 14 Standalone SAR

Table 10-17 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	-0.11	793.00	23320	0.0	18.60	17.86	1	0	Back	0	0.712	0.278	1.186	0.844	0.330		18.3	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	-0.01	793.00	23320	0.0	18.60	17.92	25	0	Back	0	0.701	0.272	1.169	0.819	0.318		18.4	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.00	793.00	23320	0.0	18.60	17.85	50	0	Back	0	0.718	0.274	1.189	0.854	0.326		18.3	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.06	793.00	23320	0.0	18.60	17.86	1	0	Top	0	0.013	0.006	1.186	0.015	0.007		35.7	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.00	793.00	23320	0.0	18.60	17.92	25	0	Top	0	0.011	0.005	1.169	0.013	0.006		36.5	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	-0.01	793.00	23320	0.0	18.60	17.86	1	0	Bottom	0	0.743	0.302	1.186	0.881	0.318		18.1	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.02	793.00	23320	0.0	18.60	17.92	25	0	Bottom	0	0.746	0.303	1.169	0.872	0.354		18.2	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.02	793.00	23320	0.0	18.60	17.85	50	0	Bottom	0	0.754	0.304	1.189	0.897	0.361		18.1	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.00	793.00	23320	0.0	18.60	17.86	1	0	Right	0	0.455	0.180	1.186	0.540	0.213		20.3	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	-0.03	793.00	23320	0.0	18.60	17.92	25	0	Right	0	0.417	0.167	1.169	0.487	0.195		20.7	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	0.02	793.00	23320	0.0	18.60	17.86	1	0	Left	0	0.022	0.002	1.186	0.085	0.038		28.3	
Body	LTE Band 14	10	QPSK	2	4PPFD	1:1	-0.02	793.00	23320	0.0	18.60	17.92	25	0	Left	0	0.060	0.027	1.169	0.070	0.032		29.1	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-18 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.16	793.00	23320	0.0	18.80	18.45	1	0	Back	0	0.808	0.411	1.084	0.941	0.446	A7	18.0	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.01	793.00	23320	0.0	18.80	18.49	25	12	Back	0	0.801	0.391	1.074	0.902	0.420		18.2	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	0.01	793.00	23320	0.0	18.80	18.44	50	0	Back	0	0.807	0.382	1.086	0.876	0.415		18.4	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.03	793.00	23320	0.0	18.80	18.45	1	0	Top	0	0.796	0.390	1.084	0.785	0.314		18.5	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	0.05	793.00	23320	0.0	18.80	18.49	25	12	Top	0	0.794	0.399	1.074	0.788	0.311		18.8	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	0.00	793.00	23320	0.0	18.80	18.44	50	0	Top	0	0.717	0.399	1.086	0.800	0.325		18.7	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	0.01	793.00	23320	0.0	18.80	18.45	1	0	Bottom	0	0.025	0.015	1.084	0.027	0.016		33.5	18.0
Body	LTE Band 14	10	QPSK	4	FF430	1:1	0.00	793.00	23320	0.0	18.80	18.49	25	12	Bottom	0	0.008	0.016	1.074	0.030	0.017		33.0	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.12	793.00	23320	0.0	18.80	18.45	1	0	Right	0	0.094	0.043	1.084	0.102	0.047		27.7	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.05	793.00	23320	0.0	18.80	18.49	25	12	Right	0	0.089	0.040	1.074	0.096	0.043		28.0	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	0.11	793.00	23320	0.0	18.80	18.45	1	0	Left	0	0.700	0.258	1.084	0.720	0.280		18.9	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.04	793.00	23320	0.0	18.80	18.49	25	12	Left	0	0.695	0.258	1.074	0.746	0.277		19.1	
Body	LTE Band 14	10	QPSK	4	FF430	1:1	-0.05	793.00	23320	0.0	18.80	18.44	50	0	Left	0	0.697	0.259	1.086	0.757	0.281		19.0	
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																	Body 1.5 W/kg (mW/g) averaged over 1 gram							
Spatial Peak Uncontrolled Exposure/General Population																								

10.8 LTE Band 26 (Cell) Standalone SAR

Table 10-19 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.12	819.00	26740	0.0	17.50	16.64	1	0	Back	0	0.711	0.257	1.219	0.867	0.313		17.1	16.8
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.01	831.50	26865	0.0	17.50	16.49	1	49	Back	0	0.634	0.255	1.262	0.800	0.322		17.5	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.05	844.00	26990	0.0	17.50	16.30	1	25	Back	0	0.579	0.236	1.318	0.763	0.311		17.7	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.04	819.00	26740	0.0	17.50	16.52	25	12	Back	0	0.709	0.256	1.253	0.888	0.321		17.0	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.05	831.50	26865	0.0	17.50	16.44	25	12	Back	0	0.679	0.244	1.276	0.866	0.311		17.1	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.02	844.00	26990	0.0	17.50	16.44	25	12	Back	0	0.540	0.221	1.276	0.689	0.282		18.1	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	0.00	819.00	26740	0.0	17.50	16.50	50	0	Back	0	0.734	0.258	1.259	0.924	0.325		16.8	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.06	819.00	26740	0.0	17.50	16.50	50	0	Back	0	0.642	0.261	1.259	0.808	0.329		17.4	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.01	819.00	26740	0.0	17.50	16.64	1	0	Top	0	0.612	0.005	1.219	0.015	0.006		34.8	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	0.01	819.00	26740	0.0	17.50	16.52	25	12	Top	0	0.612	0.005	1.253	0.015	0.006		34.7	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.02	819.00	26740	0.0	17.50	16.64	1	0	Bottom	0	0.615	0.248	1.219	0.790	0.302		17.7	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	0.00	819.00	26740	0.0	17.50	16.52	25	12	Bottom	0	0.621	0.251	1.253	0.778	0.315		17.6	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	0.14	819.00	26740	0.0	17.50	16.64	1	0	Right	0	0.418	0.153	1.219	0.510	0.187		19.4	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	0.01	819.00	26740	0.0	17.50	16.52	25	12	Right	0	0.422	0.154	1.253	0.529	0.193		19.2	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.20	819.00	26740	0.0	17.50	16.64	1	0	Left	0	0.045	0.021	1.219	0.055	0.026		29.1	
Body	LTE Band 26	10	QPSK	2	7PVUT	1:1	-0.16	819.00	26740	0.0	17.50	16.52	25	12	Left	0	0.047	0.022	1.253	0.059	0.028		28.8	
ANSI/IEEE CS5.1.1992 - SAFETY LIMIT																	Body		1.6 W/kg (mW/g)		averaged over 1 gram			
Spatial Peak																								
Uncontrolled Exposure/General Population																								

Table 10-20 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.16	819.00	26740	0.0	17.70	17.31	1	0	Back	0	0.908	0.405	1.094	0.993	0.443	A8	16.7	16.7
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	-0.00	819.00	26740	0.0	17.70	17.31	1	0	Back	0	0.916	0.414	1.094	0.962	0.453		16.9	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.00	831.50	26865	0.0	17.70	17.06	1	49	Back	0	0.743	0.339	1.159	0.861	0.393		17.3	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.01	844.00	26990	0.0	17.70	17.20	1	25	Back	0	0.691	0.316	1.122	0.775	0.355		17.8	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	-0.03	819.00	26740	0.0	17.70	17.14	25	12	Back	0	0.771	0.355	1.138	0.877	0.404		17.3	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.04	831.50	26865	0.0	17.70	17.11	25	12	Back	0	0.779	0.342	1.146	0.893	0.392		17.2	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.00	844.00	26990	0.0	17.70	17.12	25	25	Back	0	0.701	0.309	1.143	0.801	0.353		17.6	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.02	819.00	26740	0.0	17.70	17.13	50	0	Back	0	0.776	0.356	1.140	0.885	0.406		17.2	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.13	819.00	26740	0.0	17.70	17.31	1	0	Top	0	0.489	0.211	1.094	0.535	0.231		19.4	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	-0.04	819.00	26740	0.0	17.70	17.14	25	12	Top	0	0.692	0.310	1.138	0.560	0.239		19.2	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.02	819.00	26740	0.0	17.70	17.31	1	0	Bottom	0	0.610	0.006	1.094	0.011	0.007		36.3	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.04	819.00	26740	0.0	17.70	17.14	25	12	Bottom	0	0.611	0.006	1.138	0.013	0.007		35.7	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	0.02	819.00	26740	0.0	17.70	17.31	1	0	Right	0	0.047	0.020	1.094	0.051	0.022		29.6	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	-0.10	819.00	26740	0.0	17.70	17.14	25	12	Right	0	0.051	0.022	1.138	0.058	0.025		29.0	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	-0.14	819.00	26740	0.0	17.70	17.31	1	0	Left	0	0.359	0.143	1.094	0.393	0.156		20.7	
Body	LTE Band 26	10	QPSK	4	4K32C	1:1	-0.02	819.00	26740	0.0	17.70	17.14	25	12	Left	0	0.379	0.152	1.138	0.431	0.173		20.3	
ANSI/IEEE CS5.1.1992 - SAFETY LIMIT																	Body		1.6 W/kg (mW/g)		averaged over 1 gram			
Spatial Peak																								
Uncontrolled Exposure/General Population																								

Note: Blue entry represents variability measurement

10.9 LTE Band 5 (Cell) Standalone SAR

Table 10-21 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	-0.09	836.50	20525	0.0	17.50	16.77	1	49	Back	0	N/A	0.655	0.240	1.183	0.775	0.284		17.6	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	0.00	836.50	20525	0.0	17.50	16.73	25	25	Back	0	N/A	0.701	0.253	1.194	0.837	0.302		17.3	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	-0.03	836.50	20525	0.0	17.50	16.71	50	0	Back	0	N/A	0.705	0.248	1.199	0.845	0.297		17.2	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	0.09	836.50	20525	0.0	17.50	16.77	1	49	Top	0	N/A	0.610	0.004	1.183	0.012	0.005		35.8	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	0.03	836.50	20525	0.0	17.50	16.73	25	25	Top	0	N/A	0.612	0.005	1.194	0.014	0.006		34.9	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	-0.09	836.50	20525	0.0	17.50	16.77	1	49	Bottom	0	N/A	0.570	0.243	1.183	0.674	0.287		18.2	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	-0.03	836.50	20525	0.0	17.50	16.73	25	25	Bottom	0	N/A	0.620	0.251	1.194	0.740	0.300		17.8	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	-0.02	836.50	20525	0.0	17.50	16.77	1	49	Right	0	N/A	0.462	0.175	1.183	0.547	0.207		19.1	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	0.07	836.50	20525	0.0	17.50	16.73	25	25	Right	0	N/A	0.619	0.175	1.194	0.548	0.209		19.1	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	-0.06	836.50	20525	0.0	17.50	16.77	1	49	Left	0	N/A	0.054	0.025	1.183	0.064	0.030		28.4	
Body	LTE Band 5	10	QPSK	2	7PVUT	1:1	0.08	836.50	20525	0.0	17.50	16.73	25	25	Left	0	N/A	0.056	0.026	1.194	0.067	0.031		28.2	
Body	LTE Band 5	5	QPSK	2	7PVUT	1:1	-0.01	836.50	20463	0.0	17.50	16.57	50	0	Back	0	ULCA 5B	0.712	0.271	1.239	0.882	0.336		17.0	
ANSI/IEEE CS5.1.1992 - SAFETY LIMIT																		Body							
																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							
Spatial Peak																									
Uncontrolled Exposure/General Population																									

Table 10-22 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]
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10.10 LTE Band 66 (AWS) Standalone SAR

Table 10-23 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]	
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.03	1720.00	132072	0.0	11.70	11.38	1	0	Back	0	0.823	0.327	1.076	0.886	0.352		11.2		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.01	1745.00	132322	0.0	11.70	11.09	1	50	Back	0	0.841	0.334	1.151	0.968	0.384		10.8		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.00	1770.00	132572	0.0	11.70	11.31	1	50	Back	0	0.864	0.343	1.094	0.945	0.375		10.9		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.02	1720.00	132072	0.0	11.70	11.37	50	25	Back	0	0.821	0.329	1.079	0.886	0.355		11.2		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.02	1745.00	132322	0.0	11.70	11.35	50	25	Back	0	0.849	0.337	1.084	0.920	0.365		11.0		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.00	1770.00	132572	0.0	11.70	11.34	50	25	Back	0	0.869	0.355	1.086	0.987	0.386	A10	10.7		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.31	1770.00	132572	0.0	11.70	11.35	50	25	Back	0	0.909	0.371	1.086	0.986	0.386		10.7		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.01	1720.00	132072	0.0	11.70	11.32	100	0	Back	0	0.825	0.329	1.091	0.900	0.359		11.1		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.04	1720.00	132072	0.0	11.70	11.38	1	0	Top	0	0.002	0.001	1.076	0.002	0.001		37.4		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.05	1720.00	132072	0.0	11.70	11.37	50	25	Top	0	0.004	0.001	1.079	0.004	0.001		34.3		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.01	1720.00	132072	0.0	11.70	11.38	1	0	Bottom	0	0.719	0.273	1.076	0.774	0.294		11.8		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.06	1745.00	132322	0.0	11.70	11.09	1	50	Bottom	0	0.685	0.258	1.151	0.788	0.297		11.7		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.05	1770.00	132572	0.0	11.70	11.31	1	50	Bottom	0	0.691	0.259	1.094	0.756	0.283		11.9		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.04	1720.00	132072	0.0	11.70	11.37	50	25	Bottom	0	0.709	0.267	1.079	0.765	0.288		11.8		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.03	1745.00	132322	0.0	11.70	11.35	50	25	Bottom	0	0.705	0.267	1.084	0.764	0.289		11.8		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.02	1770.00	132572	0.0	11.70	11.34	50	25	Bottom	0	0.703	0.263	1.086	0.763	0.286		11.9		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.01	1720.00	132072	0.0	11.70	11.32	100	0	Bottom	0	0.703	0.268	1.091	0.767	0.292		11.8		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.09	1720.00	132072	0.0	11.70	11.38	1	0	Right	0	0.020	0.009	1.076	0.022	0.010		27.4		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.08	1720.00	132072	0.0	11.70	11.37	50	25	Right	0	0.021	0.009	1.079	0.023	0.010		27.1		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	-0.01	1720.00	132072	0.0	11.70	11.38	1	0	Left	0	0.031	0.014	1.076	0.033	0.015		25.4		
Body	LTE Band 66	20	QPSK	1b	7NC02	1:1	0.02	1720.00	132072	0.0	11.70	11.37	50	25	Left	0	0.032	0.013	1.079	0.035	0.014		25.3		
ANS/IEEE C63.1-1992 - SAFETY LIMIT																Spatial Peak		Body				1.6 W/kg (mW/g)		Uncontrolled Exposure/General Population	

Note: Blue entry represents variability measurement

Table 10-24 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]	
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.01	1745.00	132322	0.0	13.40	12.37	1	50	Back	0	0.603	0.270	1.268	0.765	0.342		13.5		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.04	1745.00	132322	0.0	13.40	12.38	50	25	Back	0	0.603	0.267	1.262	0.761	0.337		13.6		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.05	1745.00	132322	0.0	13.40	12.37	1	50	Top	0	0.008	0.004	1.268	0.010	0.005		32.3		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.01	1745.00	132322	0.0	13.40	12.39	50	25	Top	0	0.008	0.004	1.262	0.010	0.005		32.3		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.03	1745.00	132322	0.0	13.40	12.37	1	50	Bottom	0	0.514	0.224	1.268	0.652	0.284		14.2		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.02	1745.00	132322	0.0	13.40	12.39	50	25	Bottom	0	0.535	0.233	1.262	0.675	0.294		14.1		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.05	1720.00	132072	0.0	13.40	12.23	1	50	Right	0	0.661	0.232	1.309	0.865	0.304		13.0		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.01	1745.00	132322	0.0	13.40	12.37	1	50	Right	0	0.661	0.250	1.268	0.902	0.317		12.8		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.04	1770.00	132572	0.0	13.40	12.15	1	50	Right	0	0.692	0.245	1.334	0.923	0.327		12.7		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.03	1720.00	132072	0.0	13.40	12.31	50	50	Right	0	0.674	0.237	1.285	0.866	0.305		13.0		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.02	1745.00	132322	0.0	13.40	12.39	50	25	Right	0	0.723	0.254	1.262	0.912	0.321		12.8		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.07	1770.00	132572	0.0	13.40	12.11	50	25	Right	0	0.649	0.233	1.346	0.874	0.314		13.0		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	-0.08	1745.00	132322	0.0	13.40	12.30	100	0	Right	0	0.625	0.222	1.288	0.805	0.286		13.3		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.01	1745.00	132322	0.0	13.40	12.37	1	50	Left	0	0.000	0.000	1.268	0.000	0.000		51.4		
Body	LTE Band 66	20	QPSK	2	V2LHY	1:1	0.02	1745.00	132322	0.0	13.40	12.39	50	25	Left	0	0.000	0.000	1.262	0.000	0.000		51.4		
ANS/IEEE C63.1-1992 - SAFETY LIMIT																Body		1.6 W/kg (mW/g)							
Spatial Peak																averaged over 1 gram									
Uncontrolled Exposure/General Population																									

Table 10-25 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]			
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	0.05	1720.00	132072	0.0	13.00	12.36	1	50	Back	0	0.711	0.300	1.159	0.824	0.348		12.8				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.04	1745.00	132322	0.0	13.00	12.37	1	50	Back	0	0.718	0.304	1.156	0.830	0.351		12.8				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.02	1770.00	132572	0.0	13.00	12.13	1	0	Back	0	0.765	0.321	1.222	0.935	0.392		12.3				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.01	1720.00	132072	0.0	13.00	12.43	50	25	Back	0	0.708	0.299	1.140	0.807	0.341		12.9				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	0.00	1745.00	132322	0.0	13.00	12.44	50	25	Back	0	0.727	0.308	1.138	0.827	0.351		12.8				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	0.01	1720.00	132072	0.0	13.00	12.22	50	0	Back	0	0.783	0.328	1.187	0.937	0.393		12.3				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.03	1720.00	132072	0.0	13.00	12.30	100	0	Back	0	0.718	0.303	1.175	0.844	0.356		12.7				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	0.01	1720.00	132072	0.0	13.00	12.36	1	50	Top	0	0.809	0.342	1.159	0.938	0.396		12.3				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.02	1745.00	132322	0.0	13.00	12.37	1	50	Top	0	0.782	0.313	1.156	0.869	0.362		12.6				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.02	1770.00	132572	0.0	13.00	12.13	1	0	Top	0	0.778	0.317	1.222	0.930	0.387		12.3				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.05	1720.00	132072	0.0	13.00	12.43	50	25	Top	0	0.836	0.346	1.140	0.942	0.394		12.2				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.01	1745.00	132322	0.0	13.00	12.44	50	25	Top	0	0.766	0.318	1.138	0.872	0.362		12.6				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.03	1770.00	132572	0.0	13.00	12.22	50	0	Top	0	0.771	0.319	1.197	0.923	0.382		12.3				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.02	1720.00	132072	0.0	13.00	12.30	100	0	Top	0	0.751	0.311	1.175	0.882	0.365		12.5				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	0.04	1745.00	132322	0.0	13.00	12.37	1	50	Bottom	0	0.007	0.003	1.156	0.008	0.003		32.9				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.09	1745.00	132322	0.0	13.00	12.44	50	25	Bottom	0	0.007	0.003	1.138	0.008	0.003		32.9				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.19	1745.00	132322	0.0	13.00	12.37	1	50	Right	0	0.008	0.025	1.156	0.067	0.029		23.7				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.19	1745.00	132322	0.0	13.00	12.44	50	25	Right	0	0.008	0.025	1.138	0.067	0.028		23.7				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	-0.20	1745.00	132322	0.0	13.00	12.37	1	50	Left	0	0.041	0.019	1.156	0.047	0.022		25.2				
Body	LTE Band 66	20	QPSK	3b	4RGHJ	1:1	0.04	1745.00	132322	0.0	13.00	12.44	50	25	Left	0	0.042	0.019	1.138	0.048	0.022		25.2				
ANSI/IEEE C95.1 1992 - Safety Limit																	Body 1.6 W/kg (mW/g) averaged over 1 gram										
Uncontrolled Exposure/General Population																											

10.11 LTE Band 25 (PCS) Standalone SAR

Table 10-27 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	-0.04	1860.00	26140	0.0	11.80	10.77	1	50	Back	0	0.622	0.251	1.268	0.789	0.318		11.8	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.06	1860.00	26140	0.0	11.80	10.58	50	25	Back	0	0.679	0.261	1.324	0.899	0.346		11.2	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.01	1882.50	26365	0.0	11.80	10.56	50	25	Back	0	0.690	0.265	1.330	0.918	0.352		11.2	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	-0.12	1905.00	26590	0.0	11.80	10.57	50	25	Back	0	0.680	0.260	1.327	0.902	0.345		11.2	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.00	1905.00	26590	0.0	11.80	10.54	100	0	Back	0	0.676	0.259	1.337	0.904	0.346		11.2	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.09	1860.00	26140	0.0	11.80	10.77	1	50	Top	0	0.004	0.002	1.268	0.005	0.003		13.7	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.12	1860.00	26140	0.0	11.80	10.58	50	25	Top	0	0.004	0.002	1.324	0.005	0.003		13.5	11.2
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	-0.01	1860.00	26140	0.0	11.80	10.77	1	50	Bottom	0	0.511	0.186	1.268	0.648	0.236		12.7	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.01	1860.00	26140	0.0	11.80	10.58	50	25	Bottom	0	0.491	0.179	1.324	0.650	0.237		12.7	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	-0.15	1860.00	26140	0.0	11.80	10.77	1	50	Right	0	0.021	0.009	1.268	0.027	0.011		26.5	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	-0.07	1860.00	26140	0.0	11.80	10.58	50	25	Right	0	0.022	0.010	1.324	0.029	0.013		26.1	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	0.04	1860.00	26140	0.0	11.80	10.77	1	50	Left	0	0.040	0.017	1.268	0.051	0.022		23.7	
Body	LTE Band 25	20	QPSK	1b	DDIYX	1:1	-0.05	1860.00	26140	0.0	11.80	10.58	50	25	Left	0	0.042	0.018	1.324	0.056	0.024		23.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-28 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	-0.05	1882.50	26365	0.0	14.30	13.32	1	50	Back	0	0.542	0.248	1.253	0.679	0.311		15.0	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.00	1882.50	26365	0.0	14.30	13.28	50	50	Back	0	0.543	0.249	1.265	0.687	0.315		14.9	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.14	1882.50	26365	0.0	14.30	13.32	1	50	Top	0	0.006	0.002	1.253	0.008	0.003		34.5	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.02	1882.50	26365	0.0	14.30	13.28	50	50	Top	0	0.005	0.002	1.265	0.006	0.003		35.3	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.06	1882.50	26365	0.0	14.30	13.32	1	50	Bottom	0	0.388	0.171	1.253	0.486	0.214		16.4	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.05	1882.50	26365	0.0	14.30	13.28	50	50	Bottom	0	0.388	0.170	1.265	0.491	0.215		16.4	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.00	1860.00	26140	0.0	14.30	13.25	1	50	Right	0	0.777	0.282	1.274	0.890	0.359		13.3	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	-0.01	1882.50	26365	0.0	14.30	13.32	1	50	Right	0	0.712	0.259	1.253	0.892	0.325		13.8	13.3
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	-0.02	1905.00	26590	0.0	14.30	12.96	1	0	Right	0	0.707	0.254	1.361	0.962	0.346		13.4	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.02	1860.00	26140	0.0	14.30	13.24	50	50	Right	0	0.766	0.278	1.276	0.977	0.355		13.4	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	-0.01	1882.50	26365	0.0	14.30	13.28	50	50	Right	0	0.707	0.257	1.265	0.894	0.325		13.8	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	-0.01	1905.00	26590	0.0	14.30	13.13	50	25	Right	0	0.709	0.257	1.309	0.928	0.336		13.6	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	-0.02	1882.50	26365	0.0	14.30	13.22	100	0	Right	0	0.730	0.264	1.282	0.936	0.338		13.6	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.01	1882.50	26365	0.0	14.30	13.32	1	50	Left	0	0.002	0.000	1.253	0.003	0.000		39.3	
Body	LTE Band 25	20	QPSK	2	F97Q4	1:1	0.05	1882.50	26365	0.0	14.30	13.28	50	50	Left	0	0.002	0.000	1.265	0.003	0.000		39.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-29 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.02	1860.00	26140	0.0	13.20	12.65	1	50	Back	0	0.807	0.335	1.135	0.916	0.380		12.6	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.00	1882.50	26365	0.0	13.20	12.40	1	50	Back	0	0.822	0.339	1.202	0.968	0.407		12.2	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	-0.03	1905.00	26590	0.0	13.20	12.54	1	50	Back	0	0.828	0.341	1.164	0.964	0.397		12.3	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.00	1860.00	26140	0.0	13.20	12.68	50	25	Back	0	0.840	0.350	1.127	0.947	0.394	A11	12.4	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.01	1882.50	26365	0.0	13.20	12.48	50	0	Back	0	0.827	0.342	1.180	0.976	0.404		12.3	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.01	1905.00	26590	0.0	13.20	12.58	50	50	Back	0	0.834	0.343	1.153	0.962	0.395		12.3	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.02	1860.00	26140	0.0	13.20	12.64	100	0	Back	0	0.839	0.349	1.138	0.955	0.397		12.4	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.00	1860.00	26140	0.0	13.20	12.65	1	50	Top	0	0.767	0.298	1.135	0.871	0.338		12.8	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.01	1882.50	26365	0.0	13.20	12.40	1	50	Top	0	0.786	0.304	1.202	0.945	0.365		12.4	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	-0.01	1905.00	26590	0.0	13.20	12.54	1	50	Top	0	0.791	0.303	1.164	0.921	0.353		12.5	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.01	1860.00	26140	0.0	13.20	12.68	50	25	Top	0	0.768	0.298	1.127	0.866	0.336		12.8	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	-0.02	1882.50	26365	0.0	13.20	12.48	50	0	Top	0	0.813	0.324	1.180	0.959	0.382		12.4	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.01	1905.00	26590	0.0	13.20	12.58	50	50	Top	0	0.792	0.305	1.153	0.913	0.352		12.6	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.02	1860.00	26140	0.0	13.20	12.64	100	0	Top	0	0.773	0.302	1.138	0.880	0.344		12.7	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.06	1860.00	26140	0.0	13.20	12.65	1	50	Bottom	0	0.005	0.002	1.135	0.006	0.002		34.6	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.10	1860.00	26140	0.0	13.20	12.68	50	25	Bottom	0	0.005	0.002	1.127	0.006	0.002		34.7	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	-0.20	1860.00	26140	0.0	13.20	12.65	1	50	Right	0	0.069	0.030	1.135	0.078	0.034		23.2	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.01	1860.00	26140	0.0	13.20	12.68	50	25	Right	0	0.071	0.031	1.127	0.080	0.035		23.1	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.05	1860.00	26140	0.0	13.20	12.65	1	50	Left	0	0.019	0.018	1.135	0.044	0.020		25.7	
Body	LTE Band 25	20	QPSK	3b	S91S1	1:1	0.04	1860.00	26140	0.0	13.20	12.68	50	25	Left	0	0.038	0.018	1.127	0.043	0.020		25.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body 1.6 W/kg (mW/g) averaged over 1 gram							
Uncontrolled Exposure/General Population																								

Table 10-30 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.00	1860.00	26140	0.0	13.70	12.92	1	50	Back	0	0.727	0.316	1.197	0.870	0.378		13.3	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	-0.06	1882.50	26365	0.0	13.70	13.03	1	50	Back	0	0.741	0.321	1.167	0.865	0.375		13.3	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.00	1905.00	26590	0.0	13.70	12.90	1	50	Back	0	0.747	0.323	1.202	0.898	0.388		13.1	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.01	1860.00	26140	0.0	13.70	13.01	50	50	Back	0	0.741	0.323	1.172	0.867	0.376		13.3	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.01	1882.50	26365	0.0	13.70	13.03	50	50	Back	0	0.750	0.325	1.167	0.875	0.379		13.3	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.00	1905.00	26590	0.0	13.70	13.02	50	25	Back	0	0.765	0.330	1.169	0.894	0.386		13.2	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	-0.02	1860.00	26140	0.0	13.70	13.07	100	0	Back	0	0.783	0.332	1.183	0.879	0.381		13.2	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.06	1882.50	26365	0.0	13.70	13.03	1	50	Top	0	0.697	0.254	1.167	0.708	0.296		14.2	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.03	1882.50	26365	0.0	13.70	13.03	50	50	Top	0	0.612	0.256	1.167	0.714	0.299		14.1	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.10	1882.50	26365	0.0	13.70	13.03	1	50	Bottom	0	0.004	0.002	1.167	0.005	0.002		36.0	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.11	1862.50	26590	0.0	13.70	13.03	50	25	Bottom	0	0.780	0.330	1.167	0.893	0.382		13.2	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.05	1882.50	26365	0.0	13.70	13.03	1	50	Right	0	0.001	0.000	1.167	0.001	0.000		42.0	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.08	1882.50	26365	0.0	13.70	13.03	50	50	Right	0	0.000	0.000	1.167	0.000	0.000		52.0	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	-0.06	1860.00	26140	0.0	13.70	12.92	1	50	Left	0	0.768	0.289	1.197	0.919	0.346		13.0	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	-0.05	1860.00	26140	0.0	13.70	12.92	1	50	Left	0	0.780	0.293	1.167	0.919	0.346		13.0	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.02	1905.00	26590	0.0	13.70	12.90	1	50	Left	0	0.819	0.303	1.202	0.984	0.364		12.7	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.08	1860.00	26140	0.0	13.70	13.01	50	50	Left	0	0.787	0.296	1.172	0.922	0.347		13.0	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.07	1882.50	26365	0.0	13.70	13.01	50	50	Left	0	0.782	0.280	1.167	0.866	0.327		13.3	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.01	1860.00	26140	0.0	13.70	13.01	50	25	Left	0	0.821	0.305	1.169	0.960	0.357		12.9	
Body	LTE Band 25	20	QPSK	4	YHCDK	1:1	0.04	1860.00	26140	0.0	13.70	12.97	100	0	Left	0	0.715	0.270	1.183	0.846	0.319		13.4	
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																	Body							
Uncontrolled Exposures/General Population																	1.6 W/kg (w/1g)							
																	averaged over 1 gram							

10.12 LTE Band 30 Standalone SAR

Table 10-31 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	-0.09	2310.00	27710	0.0	12.80	11.65	1	0	Back	0	0.694	0.251	1.303	0.904	0.327		12.2	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.01	2310.00	27710	0.0	12.80	11.64	25	12	Back	0	0.714	0.257	1.306	0.912	0.326		12.1	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.00	2310.00	27710	0.0	12.80	11.59	50	0	Back	0	0.714	0.258	1.321	0.943	0.341		12.0	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.02	2310.00	27710	0.0	12.80	11.65	1	0	Top	0	0.000	0.000	1.303	0.000	0.000		50.6	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.01	2310.00	27710	0.0	12.80	11.64	25	12	Top	0	0.000	0.000	1.306	0.000	0.000		50.6	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	-0.01	2310.00	27710	0.0	12.80	11.65	1	0	Bottom	0	0.605	0.201	1.303	0.788	0.262		12.8	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	-0.04	2310.00	27710	0.0	12.80	11.64	25	12	Bottom	0	0.617	0.204	1.306	0.806	0.266		12.7	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	-0.04	2310.00	27710	0.0	12.80	11.59	50	0	Bottom	0	0.628	0.207	1.321	0.830	0.273		12.6	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.03	2310.00	27710	0.0	12.80	11.65	1	0	Right	0	0.010	0.004	1.303	0.013	0.005		30.6	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.08	2310.00	27710	0.0	12.80	11.64	25	12	Right	0	0.011	0.005	1.306	0.014	0.007		30.2	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.03	2310.00	27710	0.0	12.80	11.65	1	0	Left	0	0.032	0.014	1.303	0.042	0.018		25.6	
Body	LTE Band 30	10	QPSK	1b	HHQIP	1:1	0.00	2310.00	27710	0.0	12.80	11.64	25	12	Left	0	0.030	0.013	1.306	0.039	0.017		25.8	
ANS/IEEE C63.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-32 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	-0.01	2310.00	27710	0.0	12.90	12.04	1	25	Back	0	0.695	0.295	1.219	0.847	0.360		12.6	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	-0.01	2310.00	27710	0.0	12.90	12.06	25	12	Back	0	0.694	0.296	1.202	0.834	0.356		12.7	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	0.01	2310.00	27710	0.0	12.90	12.03	50	0	Back	0	0.694	0.296	1.222	0.848	0.362		12.6	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	0.03	2310.00	27710	0.0	12.90	12.04	1	25	Top	0	0.000	0.000	1.219	0.000	0.000		51.0	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	0.01	2310.00	27710	0.0	12.90	12.10	25	12	Top	0	0.000	0.000	1.202	0.000	0.000		51.1	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	-0.01	2310.00	27710	0.0	12.90	12.04	1	25	Bottom	0	0.529	0.199	1.219	0.645	0.243		13.8	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	-0.02	2310.00	27710	0.0	12.90	12.10	25	12	Bottom	0	0.534	0.200	1.202	0.642	0.240		13.8	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	-0.04	2310.00	27710	0.0	12.90	12.04	1	25	Right	0	0.742	0.278	1.219	0.904	0.339		12.3	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	-0.05	2310.00	27710	0.0	12.90	12.10	25	12	Right	0	0.754	0.282	1.202	0.906	0.339		12.3	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	0.00	2310.00	27710	0.0	12.90	12.03	50	0	Right	0	0.743	0.278	1.222	0.908	0.340		12.3	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	0.07	2310.00	27710	0.0	12.90	12.04	1	25	Left	0	0.000	0.000	1.219	0.000	0.000		51.0	
Body	LTE Band 30	10	QPSK	2	GH93L	1:1	0.01	2310.00	27710	0.0	12.90	12.10	25	12	Left	0	0.000	0.000	1.202	0.000	0.000		51.1	
ANS/IEEE C63.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-33 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	-0.03	2310.00	27710	0.0	14.60	13.71	1	25	Back	0	0.758	0.292	1.227	0.930	0.358		13.9	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	-0.02	2310.00	27710	0.0	14.60	13.73	25	12	Back	0	0.763	0.293	1.222	0.932	0.358		13.9	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	-0.02	2310.00	27710	0.0	14.60	13.67	50	0	Back	0	0.764	0.293	1.239	0.947	0.363		13.8	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	0.05	2310.00	27710	0.0	14.60	13.71	1	25	Top	0	0.785	0.275	1.227	0.963	0.337	A12	13.7	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	0.01	2310.00	27710	0.0	14.60	13.73	25	12	Top	0	0.775	0.272	1.222	0.947	0.332		13.8	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	-0.02	2310.00	27710	0.0	14.60	13.67	50	0	Top	0	0.774	0.272	1.239	0.959	0.337		13.8	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	0.01	2310.00	27710	0.0	14.60	13.71	1	25	Bottom	0	0.000	0.000	1.227	0.000	0.000		52.7	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	0.07	2310.00	27710	0.0	14.60	13.73	25	12	Bottom	0	0.000	0.000	1.222	0.000	0.000		52.7	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	0.01	2310.00	27710	0.0	14.60	13.71	1	25	Right	0	0.037	0.016	1.227	0.045	0.020		27.0	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	-0.06	2310.00	27710	0.0	14.60	13.73	25	12	Right	0	0.060	0.023	1.222	0.073	0.028		24.9	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	-0.02	2310.00	27710	0.0	14.60	13.71	1	25	Left	0	0.036	0.015	1.227	0.044	0.018		27.1	
Body	LTE Band 30	10	QPSK	3b	4RGD6	1:1	0.09	2310.00	27710	0.0	14.60	13.73	25	12	Left	0	0.039	0.017	1.222	0.048	0.021		26.8	
ANS/IEEE C63.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-34 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	-0.03	2310.00	27710	0.0	13.50	11.99	1	25	Back	0	0.514	0.195	1.416	0.728	0.276		13.9	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	0.00	2310.00	27710	0.0	13.50	12.03	25	12	Back	0	0.518	0.196	1.403	0.727	0.275		13.9	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	0.01	2310.00	27710	0.0	13.50	11.99	1	25	Top	0	0.336	0.127	1.416	0.476	0.180		15.7	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	-0.04	2310.00	27710	0.0	13.50	12.03	25	12	Top	0	0.336	0.126	1.403	0.471	0.177		15.7	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	0.01	2310.00	27710	0.0	13.50	11.99	1	25	Bottom	0	0.000	0.000	1.416	0.000	0.000		51.0	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	0.01	2310.00	27710	0.0	13.50	12.03	25	12	Bottom	0	0.000	0.000	1.403	0.000	0.000		51.0	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	0.07	2310.00	27710	0.0	13.50	12.03	1	25	Right	0	0.002	0.000	1.416	0.002	0.000		38.0	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	0.01	2310.00	27710	0.0	13.50	11.99	1	25	Left	0	0.595	0.234	1.416	0.843	0.331		13.2	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	-0.05	2310.00	27710	0.0	13.50	12.03	25	12	Left	0	0.648	0.245	1.403	0.909	0.344		12.9	
Body	LTE Band 30	10	QPSK	4	DDVYX	1:1	-0.03	2310.00	27710	0.0	13.50	11.99	50	0	Left	0	0.594	0.232	1.439	0.855	0.334		13.2	
ANS/IEEE C63.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

FCC ID: BCGA2995

SAR EVALUATION REPORT

Approved by:

Technical Manager

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DUT Type:
Tablet Device

Page 266 of 387

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10.13 LTE Band 7 Standalone SAR

Table 10-35 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.01	2510.00	20950	0.0	12.70	12.43	1	50	Back	0	N/A	0.870	0.292	1.067	0.928	0.312		12.0	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.02	2535.00	21100	0.0	12.70	12.26	1	50	Back	0	N/A	0.843	0.281	1.107	0.933	0.311		12.0	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.01	2560.00	21350	0.0	12.70	12.31	1	50	Back	0	N/A	0.804	0.265	1.094	0.880	0.290		12.2	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.02	2510.00	20950	0.0	12.70	12.36	50	0	Back	0	N/A	0.915	0.308	1.076	0.898	0.311	A13	11.7	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.02	2510.00	20950	0.0	12.70	12.37	50	50	Back	0	N/A	0.843	0.281	1.079	0.910	0.303		12.1	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.01	2535.00	21100	0.0	12.70	12.35	50	0	Back	0	N/A	0.848	0.284	1.084	0.919	0.308		12.0	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.02	2560.00	21350	0.0	12.70	12.36	50	0	Back	0	N/A	0.831	0.274	1.081	0.898	0.296		12.1	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.05	2560.00	21350	0.0	12.70	12.28	100	0	Back	0	N/A	0.826	0.272	1.102	0.910	0.300		12.1	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.07	2510.00	20950	0.0	12.70	12.42	1	50	Top	0	N/A	0.005	0.000	1.067	0.005	0.000		14.4	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.07	2510.00	20950	0.0	12.70	12.38	50	0	Top	0	N/A	0.005	0.000	1.076	0.005	0.000		14.4	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.02	2510.00	20950	0.0	12.70	12.42	1	50	Bottom	0	N/A	0.833	0.268	1.067	0.889	0.286		12.2	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.01	2535.00	21100	0.0	12.70	12.26	1	50	Bottom	0	N/A	0.799	0.253	1.107	0.884	0.280		12.2	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.01	2560.00	21350	0.0	12.70	12.31	1	50	Bottom	0	N/A	0.784	0.243	1.094	0.858	0.266		12.3	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.01	2510.00	20950	0.0	12.70	12.38	50	0	Bottom	0	N/A	0.849	0.272	1.076	0.914	0.293		12.1	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.03	2535.00	21100	0.0	12.70	12.28	50	0	Bottom	0	N/A	0.838	0.263	1.084	0.908	0.285		12.1	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.01	2560.00	21350	0.0	12.70	12.36	50	0	Bottom	0	N/A	0.809	0.251	1.081	0.875	0.271		12.3	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.02	2560.00	21350	0.0	12.70	12.28	100	0	Bottom	0	N/A	0.796	0.248	1.102	0.877	0.273		12.3	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.11	2510.00	20950	0.0	12.70	12.42	1	50	Right	0	N/A	0.025	0.010	1.067	0.027	0.011		27.4	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.03	2510.00	20950	0.0	12.70	12.42	1	50	Right	0	N/A	0.026	0.011	1.076	0.030	0.012		26.9	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	0.03	2510.00	20950	0.0	12.70	12.42	1	50	Left	0	N/A	0.035	0.013	1.067	0.037	0.014		26.0	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.03	2510.00	20950	0.0	12.70	12.38	50	0	Left	0	N/A	0.036	0.014	1.076	0.039	0.015		25.8	
Body	LTE Band 7	20	QPSK	1b	NNV3	1:1	-0.02	2529.80	21048	0.0	12.70	12.35	50	0	Back	0	ULCA 7C	0.861	0.286	1.084	0.933	0.310		12.0	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-36 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	-0.01	2510.00	20950	0.0	12.80	11.51	1	50	Back	0	N/A	0.692	0.255	1.346	0.931	0.343		12.1	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	-0.07	2535.00	21100	0.0	12.80	11.35	1	50	Back	0	N/A	0.675	0.248	1.396	0.942	0.346		12.0	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.01	2560.00	21350	0.0	12.80	11.30	1	50	Back	0	N/A	0.655	0.240	1.413	0.928	0.339		12.1	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.00	2510.00	20950	0.0	12.80	11.56	50	25	Back	0	N/A	0.713	0.254	1.330	0.948	0.338		12.0	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	-0.01	2510.00	20950	0.0	12.80	11.42	50	50	Back	0	N/A	0.723	0.256	1.374	0.991	0.352		11.8	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	-0.02	2535.00	21100	0.0	12.80	11.43	50	25	Back	0	N/A	0.680	0.249	1.271	0.932	0.341		12.1	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.04	2560.00	21350	0.0	12.80	11.41	50	25	Back	0	N/A	0.666	0.244	1.377	0.917	0.336		12.2	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.00	2510.00	20950	0.0	12.80	11.43	100	0	Back	0	N/A	0.652	0.239	1.371	0.894	0.328		12.3	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.06	2510.00	20950	0.0	12.80	11.54	1	50	Top	0	N/A	0.000	0.000	1.346	0.000	0.000		50.5	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.02	2510.00	20950	0.0	12.80	11.54	50	25	Top	0	N/A	0.000	0.000	1.330	0.000	0.000		50.5	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.00	2510.00	20950	0.0	12.80	11.51	1	50	Bottom	0	N/A	0.500	0.176	1.346	0.673	0.237		13.5	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.01	2510.00	20950	0.0	12.80	11.56	50	25	Bottom	0	N/A	0.515	0.182	1.330	0.685	0.242		13.4	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	-0.04	2510.00	20950	0.0	12.80	11.51	1	50	Right	0	N/A	0.539	0.179	1.346	0.725	0.241		13.2	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	-0.04	2510.00	20950	0.0	12.80	11.56	50	25	Right	0	N/A	0.556	0.185	1.330	0.739	0.246		13.1	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.05	2510.00	20950	0.0	12.80	11.51	1	50	Left	0	N/A	0.007	0.002	1.346	0.009	0.003		12.0	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.02	2510.00	20950	0.0	12.80	11.56	50	25	Left	0	N/A	0.007	0.002	1.330	0.009	0.003		12.1	
Body	LTE Band 7	20	QPSK	2	48G4U	1:1	0.01	2529.80	21048	0.0	12.80	11.48	50	0	Back	0	ULCA 7C	0.733	0.259	1.355	0.993	0.351		11.8	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-37 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.06	2560.00	21350	0.0	13.70	12.86	1	50	Back	0	N/A	0.485	0.171	1.213	0.588	0.207		15.0	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.00	2560.00	21350	0.0	13.70	12.78	50	25	Back	0	N/A	0.488	0.171	1.236	0.603	0.211		14.9	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.04	2510.00	20950	0.0	13.70	12.69	1	50	Top	0	N/A	0.243	0.243	1.262	0.938	0.307		13.0	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.01	2535.00	21100	0.0	13.70	12.78	1	50	Top	0	N/A	0.766	0.253	1.236	0.947	0.313		12.9	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.02	2560.00	21350	0.0	13.70	12.86	1	50	Top	0	N/A	0.760	0.249	1.213	0.922	0.302		13.0	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.03	2510.00	20950	0.0	13.70	12.77	50	25	Top	0	N/A	0.766	0.251	1.239	0.949	0.311		12.9	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.02	2535.00	21100	0.0	13.70	12.77	50	25	Top	0	N/A	0.766	0.253	1.239	0.949	0.313		12.9	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.02	2560.00	21350	0.0	13.70	12.78	50	25	Top	0	N/A	0.768	0.253	1.236	0.949	0.313		12.9	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.02	2560.00	21350	0.0	13.70	12.68	50	0	Top	0	N/A	0.723	0.235	1.265	0.915	0.297		13.1	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.03	2510.00	20950	0.0	13.70	12.70	100	0	Top	0	N/A	0.746	0.247	1.259	0.939	0.311		13.0	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.07	2560.00	21350	0.0	13.70	12.86	1	50	Bottom	0	N/A	0.000	0.000	1.213	0.000	0.000		51.8	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.16	2560.00	21350	0.0	13.70	12.78	50	25	Bottom	0	N/A	0.000	0.000	1.236	0.000	0.000		51.8	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.05	2560.00	21350	0.0	13.70	12.86	1	50	Right	0	N/A	0.031	0.012	1.213	0.038	0.015		26.9	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	-0.04	2560.00	21350	0.0	13.70	12.78	50	25	Right	0	N/A	0.012	0.012	1.236	0.048	0.015		26.7	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.09	2560.00	21350	0.0	13.70	12.86	1	50	Left	0	N/A	0.015	0.005	1.213	0.018	0.006		26.1	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.05	2560.00	21350	0.0	13.70	12.78	50	25	Left	0	N/A	0.016	0.005	1.236	0.020	0.006		29.7	
Body	LTE Band 7	20	QPSK	3b	NNV3	1:1	0.00	2560.00	21350	0.0	13.70	12.60	50	50	Top	0	ULCA 7C	0.723	0.232	1.288	0.931	0.299		13.0	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																									
Spatial Peak																		Body							
Uncontrolled Exposure (General Population)																		1.6 W/kg (mW/g)							

10.14 LTE Band 41 Standalone SAR

Table 10-39 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.03	2506.00	39750	0.0	14.00	13.39	1	0	Back	0	N/A	0.695	0.232	1.151	0.800	0.267	12.0		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.08	2549.50	40185	0.0	14.00	13.36	1	50	Back	0	N/A	0.665	0.218	1.159	0.771	0.253	12.1		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.02	2593.00	40620	0.0	14.00	13.44	1	50	Back	0	N/A	0.729	0.232	1.138	0.830	0.264	12.1		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.01	2636.50	41055	0.0	14.00	13.27	1	99	Back	0	N/A	0.740	0.236	1.183	0.875	0.279	11.6		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.01	2680.00	41490	0.0	14.00	13.24	1	99	Back	0	N/A	0.739	0.232	1.191	0.880	0.276	11.6		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.12	2506.00	39750	0.0	14.00	13.46	50	50	Back	0	N/A	0.746	0.245	1.132	0.844	0.277	11.7		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.06	2549.50	40185	0.0	14.00	13.42	50	0	Back	0	N/A	0.718	0.233	1.143	0.821	0.266	11.9		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.02	2593.00	40620	0.0	14.00	13.49	50	0	Back	0	N/A	0.725	0.231	1.125	0.816	0.260	11.9		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.05	2636.50	41055	0.0	14.00	13.29	50	0	Back	0	N/A	0.746	0.238	1.178	0.879	0.280	11.6		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.02	2680.00	41490	0.0	14.00	13.31	50	25	Back	0	N/A	0.752	0.237	1.172	0.881	0.278	11.5		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.01	2593.00	40620	0.0	14.00	13.41	100	0	Back	0	N/A	0.749	0.238	1.146	0.858	0.273	11.7		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.01	2593.00	40620	0.0	14.00	13.44	1	50	Top	0	N/A	0.000	0.000	1.138	0.000	0.000	50.4		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.02	2593.00	40620	0.0	14.00	13.49	50	0	Top	0	N/A	0.000	0.000	1.125	0.000	0.000	50.5		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.02	2506.00	39750	0.0	14.00	13.39	1	0	Bottom	0	N/A	0.693	0.210	1.151	0.798	0.242	12.0		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.14	2549.50	40185	0.0	14.00	13.36	1	50	Bottom	0	N/A	0.733	0.218	1.159	0.850	0.253	11.7		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.09	2593.00	40620	0.0	14.00	13.44	1	50	Bottom	0	N/A	0.738	0.224	1.138	0.840	0.255	11.8		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.12	2636.50	41055	0.0	14.00	13.27	1	99	Bottom	0	N/A	0.776	0.232	1.183	0.918	0.274	11.4		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.08	2680.00	41490	0.0	14.00	13.24	1	99	Bottom	0	N/A	0.781	0.228	1.191	0.930	0.272	11.3		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.09	2506.00	39750	0.0	14.00	13.46	50	50	Bottom	0	N/A	0.762	0.226	1.132	0.863	0.266	11.6		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.01	2549.50	40185	0.0	14.00	13.42	50	0	Bottom	0	N/A	0.737	0.219	1.143	0.842	0.250	11.7		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.18	2593.00	40620	0.0	14.00	13.49	50	0	Bottom	0	N/A	0.745	0.225	1.125	0.838	0.253	11.8		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.05	2636.50	41055	0.0	14.00	13.29	50	0	Bottom	0	N/A	0.789	0.234	1.178	0.920	0.276	11.3		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.03	2680.00	41490	0.0	14.00	13.31	50	25	Bottom	0	N/A	0.800	0.241	1.172	0.938	0.282	11.3		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.00	2680.00	41490	0.0	14.00	13.21	50	0	Bottom	0	N/A	0.806	0.244	1.199	0.966	0.293	11.1		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:2.31	0.01	2680.00	41490	0.0	15.60	14.93	50	0	Bottom	0	N/A	0.820	0.245	1.167	0.957	0.286	11.1		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:2.31	0.01	2680.00	41490	0.0	15.60	15.01	50	25	Bottom	0	N/A	0.810	0.249	1.146	0.934	0.280	11.2		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.01	2593.00	40620	0.0	14.00	13.41	100	0	Bottom	0	N/A	0.758	0.229	1.146	0.869	0.262	11.6		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.03	2593.00	40620	0.0	14.00	13.44	1	50	Right	0	N/A	0.015	0.006	1.138	0.017	0.007	28.7		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	0.00	2593.00	40620	0.0	14.00	13.49	50	0	Right	0	N/A	0.011	0.006	1.125	0.019	0.007	28.2		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.11	2593.00	40620	0.0	14.00	13.44	1	50	Left	0	N/A	0.021	0.009	1.138	0.026	0.010	26.8		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.06	2593.00	40620	0.0	14.00	13.49	50	0	Left	0	N/A	0.023	0.010	1.125	0.026	0.011	26.9		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:1.58	-0.10	2680.00	41490	0.0	14.00	13.27	50	0	Bottom	0	ULCA 41C	0.834	0.251	1.183	0.987	0.297	11.1		
Body	LTE Band 41	20	QPSK	1b	7NC02	1:2.31	0.01	2680.00	41590	0.0	15.60	14.92	50	50	Bottom	0	ULCA 41C	0.827	0.250	1.169	0.967	0.292	11.1		
ANSI/IEEE C63.1-2002 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Note: Green entry represents HPUE measurement

Table 10-40 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.04	2506.00	39750	0.0	14.30	13.83	1	50	Back	0	N/A	0.884	0.312	1.114	0.985	0.348	A14	11.4	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.07	2506.00	39750	0.0	14.30	13.77	1	99	Back	0	N/A	0.811	0.294	1.130	0.921	0.332		11.7	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:2.31	0.00	2506.00	39750	0.0	15.90	15.10	1	50	Back	0	N/A	0.734	0.267	1.202	0.882	0.321		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:2.31	-0.04	2506.00	39750	0.0	15.90	15.08	1	99	Back	0	N/A	0.727	0.263	1.208	0.878	0.318		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.06	2549.50	40185	0.0	14.30	13.56	1	0	Back	0	N/A	0.728	0.264	1.186	0.863	0.313		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.00	2593.00	40620	0.0	14.30	13.61	1	99	Back	0	N/A	0.697	0.251	1.172	0.817	0.294		12.2	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.08	2636.50	41055	0.0	14.30	13.65	1	99	Back	0	N/A	0.700	0.251	1.161	0.813	0.291		12.2	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.01	2680.00	41490	0.0	14.30	13.53	1	0	Back	0	N/A	0.727	0.258	1.194	0.888	0.308		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.01	2506.00	39750	0.0	14.30	13.94	50	0	Back	0	N/A	0.810	0.301	1.086	0.889	0.327		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.03	2549.50	40185	0.0	14.30	13.72	50	0	Back	0	N/A	0.743	0.270	1.143	0.849	0.309		12.0	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.02	2593.00	40620	0.0	14.30	13.62	50	25	Back	0	N/A	0.711	0.257	1.169	0.831	0.300		12.1	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.06	2636.50	41055	0.0	14.30	13.75	50	25	Back	0	N/A	0.717	0.257	1.135	0.814	0.292		12.2	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.00	2680.00	41490	0.0	14.30	13.62	50	25	Back	0	N/A	0.739	0.261	1.169	0.864	0.305		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.02	2506.00	39750	0.0	14.30	13.82	100	0	Back	0	N/A	0.805	0.295	1.117	0.899	0.330		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.14	2506.00	39750	0.0	14.30	13.83	1	50	Top	0	N/A	0.005	0.002	1.114	0.006	0.002		33.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.05	2506.00	39750	0.0	14.30	13.94	50	0	Top	0	N/A	0.002	0.000	1.086	0.002	0.000		37.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.05	2506.00	39750	0.0	14.30	13.83	1	50	Bottom	0	N/A	0.634	0.214	1.114	0.706	0.238		12.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.03	2549.50	40185	0.0	14.30	13.56	1	0	Bottom	0	N/A	0.595	0.197	1.186	0.706	0.234		12.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.00	2593.00	40620	0.0	14.30	13.61	1	99	Bottom	0	N/A	0.626	0.200	1.172	0.734	0.234		12.6	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.01	2636.50	41055	0.0	14.30	13.65	1	99	Bottom	0	N/A	0.707	0.229	1.161	0.821	0.266		12.2	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.01	2680.00	41490	0.0	14.30	13.53	1	0	Bottom	0	N/A	0.760	0.245	1.194	0.907	0.293		11.7	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.03	2506.00	39750	0.0	14.30	13.94	50	0	Bottom	0	N/A	0.660	0.219	1.086	0.706	0.238		12.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.07	2549.50	40185	0.0	14.30	13.72	50	0	Bottom	0	N/A	0.610	0.203	1.143	0.700	0.230		12.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.01	2593.00	40620	0.0	14.30	13.62	50	25	Bottom	0	N/A	0.692	0.202	1.169	0.736	0.236		12.6	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.02	2636.50	41055	0.0	14.30	13.75	50	25	Bottom	0	N/A	0.706	0.227	1.135	0.801	0.258		12.3	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.00	2680.00	41490	0.0	14.30	13.62	50	25	Bottom	0	N/A	0.750	0.250	1.169	0.851	0.300		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.07	2506.00	39750	0.0	14.30	13.82	100	0	Bottom	0	N/A	0.637	0.214	1.117	0.712	0.239		12.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.10	2506.00	39750	0.0	14.30	13.81	1	50	Right	0	N/A	0.730	0.236	1.114	0.813	0.263		12.2	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.12	2506.00	39750	0.0	14.30	13.86	1	50	Right	0	N/A	0.726	0.232	1.106	0.806	0.256		12.3	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.04	2593.00	40620	0.0	14.30	13.61	1	99	Right	0	N/A	0.728	0.228	1.172	0.815	0.267		12.0	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.08	2636.50	41055	0.0	14.30	13.65	1	99	Right	0	N/A	0.766	0.237	1.161	0.889	0.275		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.16	2680.00	41490	0.0	14.30	13.53	1	0	Right	0	N/A	0.727	0.228	1.194	0.868	0.272		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.17	2506.00	39750	0.0	14.30	13.94	50	0	Right	0	N/A	0.811	0.302	1.086	0.889	0.327		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.12	2549.50	40185	0.0	14.30	13.72	50	0	Right	0	N/A	0.725	0.229	1.143	0.829	0.262		12.1	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.01	2593.00	40620	0.0	14.30	13.62	50	25	Right	0	N/A	0.715	0.228	1.169	0.836	0.267		12.1	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.03	2636.50	41055	0.0	14.30	13.75	50	25	Right	0	N/A	0.724	0.229	1.135	0.824	0.271		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.07	2680.00	41490	0.0	14.30	13.62	50	25	Right	0	N/A	0.764	0.238	1.169	0.893	0.278		11.8	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.16	2506.00	39750	0.0	14.30	13.82	100	0	Right	0	N/A	0.688	0.224	1.117	0.760	0.250		12.4	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.11	2506.00	39750	0.0	14.30	13.93	50	0	Left	0	N/A	0.803	0.293	1.114	0.900	0.329		11.9	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	0.07	2506.00	39750	0.0	14.30	13.94	50	0	Left	0	N/A	0.007	0.003	1.086	0.008	0.003		32.5	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:1.58	-0.02	2506.00	39750	0.0	14.30	13.76	1	99	Back	0	ULCA 41C	0.842	0.303	1.132	0.958	0.343		11.5	
Body	LTE Band 41	20	QPSK	2	L1JNF	1:2.31	0.00	2525.80	39948	0.0	15.90	15.22	1	0	Back	0	ULCA 41C	0.779	0.279	1.169	0.911	0.326		11.7	

ANSI/IEEE C63.5-1992 - SAFETY LIMIT

Spatial Peak

Uncontrolled Exposure/General Population

Body

1.6 W/kg (mW/g)

averaged over 1 gram

Table 10-41 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]			
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.03	2549.50	40185	0.0	15.00	14.19	1	50	Back	0	N/A	0.471	0.160	1.205	0.568	0.193		14.5				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.07	2549.50	40185	0.0	15.00	14.23	50	50	Back	0	N/A	0.480	0.163	1.194	0.573	0.195		14.4				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.02	2506.00	39750	0.0	15.00	13.94	1	0	Top	0	N/A	0.660	0.208	1.276	0.842	0.265		12.7				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.05	2549.50	40185	0.0	15.00	14.19	1	50	Top	0	N/A	0.653	0.201	1.205	0.787	0.242		13.0				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.11	2593.00	40620	0.0	15.00	14.13	1	0	Top	0	N/A	0.620	0.194	1.222	0.758	0.237		13.2				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.16	2636.50	41055	0.0	15.00	13.84	1	99	Top	0	N/A	0.607	0.185	1.306	0.793	0.242		13.0				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.00	2680.00	41490	0.0	15.00	13.93	1	99	Top	0	N/A	0.769	0.234	1.279	0.984	0.299		12.1				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.04	2506.00	39750	0.0	15.00	14.06	50	50	Top	0	N/A	0.672	0.209	1.242	0.835	0.260		12.8				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.06	2549.50	40285	0.0	15.00	14.23	50	50	Top	0	N/A	0.656	0.207	1.194	0.783	0.241		13.1				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.03	2593.00	40620	0.0	15.00	14.22	50	0	Top	0	N/A	0.685	0.213	1.197	0.820	0.255		12.9				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.08	2636.50	41055	0.0	15.00	13.93	50	0	Top	0	N/A	0.683	0.207	1.279	0.874	0.265		12.6				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.02	2680.00	41490	0.0	15.00	13.92	50	0	Top	0	N/A	0.771	0.234	1.282	1.088	0.300		12.0				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:2.31	-0.02	2680.00	41490	0.0	16.60	15.43	50	0	Top	0	N/A	0.795	0.231	1.315	1.093	0.304		12.0				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.02	2549.50	40185	0.0	15.00	14.14	100	0	Top	0	N/A	0.651	0.201	1.219	0.794	0.245		13.0				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.03	2549.50	40185	0.0	15.00	14.19	1	50	Bottom	0	N/A	0.600	0.000	1.205	0.000	0.000		15.2				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.09	2549.50	40185	0.0	15.00	14.23	50	50	Bottom	0	N/A	0.000	0.000	1.194	0.000	0.000		51.2				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.02	2549.50	40185	0.0	15.00	14.19	1	50	Right	0	N/A	0.019	0.007	1.205	0.022	0.008		28.6				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	-0.18	2549.50	40185	0.0	15.00	14.23	50	50	Right	0	N/A	0.019	0.007	1.194	0.023	0.008		28.4				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.07	2549.50	40185	0.0	15.00	14.19	50	50	Left	0	N/A	0.011	0.004	1.205	0.013	0.005		30.8				
Body	LTE Band 41	20	QPSK	3b	V99SV	1:1.58	0.06	2549.50	40185	0.0	15.00	14.23	50	50	Left	0	N/A	0.020	0.004	1.294	0.012	0.005		31.2				
Body	LTE Band 41	20						2660.20	41292		15.89		50	50	Top	0	ULCA 41C	0.765	0.231	1.291	0.988	0.298		12.1				
Body	LTE Band 41	20						2660.00	41490		13.89		50	50	Top	0	ULCA 41C	0.704	0.214	1.409	0.992	0.302		12.0				
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																		Body							12.0			
Spatial Peak																				1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																				averaged over 1 gram								

Note: Green entry represents HPUE measurement

Table 10-42 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.01	2506.00	39750	0.0	13.40	12.19	1	50	Back	0	N/A	0.607	0.219	1.321	0.802	0.289		11.4	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.04	2549.50	40285	0.0	13.40	12.02	1	50	Back	0	N/A	0.566	0.201	1.374	0.778	0.276		11.5	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.01	2593.00	40620	0.0	13.40	12.07	1	99	Back	0	N/A	0.597	0.211	1.358	0.811	0.287		11.3	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.08	2636.50	41055	0.0	13.40	12.14	1	50	Back	0	N/A	0.626	0.220	1.337	0.837	0.294		11.2	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.04	2680.00	41490	0.0	13.40	12.09	1	99	Back	0	N/A	0.644	0.224	1.352	0.871	0.303		11.0	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.04	2506.00	39750	0.0	13.40	12.27	50	0	Back	0	N/A	0.641	0.229	1.297	0.833	0.297		11.2	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.01	2549.50	40285	0.0	13.40	12.13	50	0	Back	0	N/A	0.575	0.206	1.340	0.768	0.276		11.5	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.04	2593.00	40620	0.0	13.40	12.14	50	25	Back	0	N/A	0.635	0.217	1.337	0.822	0.290		11.2	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.06	2636.50	41055	0.0	13.40	12.23	50	25	Back	0	N/A	0.618	0.218	1.309	0.809	0.285		11.3	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.05	2680.00	41490	0.0	13.40	12.14	50	25	Back	0	N/A	0.660	0.222	1.327	0.894	0.310		10.9	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.06	2680.00	41490	0.0	13.40	12.04	50	0	Back	0	N/A	0.645	0.226	1.368	0.877	0.309		11.0	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:2.31	0.02	2680.00	41490	0.0	15.00	14.29	50	0	Back	0	N/A	0.798	0.271	1.178	0.940	0.319		10.6	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:2.31	0.01	2680.00	41490	0.0	15.00	14.32	50	25	Back	0	N/A	0.803	0.272	1.169	0.959	0.318		10.6	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.06	2506.00	39750	0.0	13.40	12.16	100	0	Back	0	N/A	0.593	0.215	1.330	0.789	0.286		11.4	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.00	2506.00	39750	0.0	13.40	12.19	1	50	Top	0	N/A	0.392	0.133	1.321	0.518	0.176		13.3	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.07	2506.00	39750	0.0	13.40	12.27	50	0	Top	0	N/A	0.404	0.137	1.297	0.524	0.178		13.2	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.01	2506.00	39750	0.0	13.40	12.19	1	50	Bottom	0	N/A	0.000	0.000	1.321	0.000	0.000		49.2	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.04	2506.00	39750	0.0	13.40	12.27	50	0	Bottom	0	N/A	0.000	0.000	1.297	0.000	0.000		49.3	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.05	2506.00	39750	0.0	13.40	12.19	1	50	Right	0	N/A	0.004	0.002	1.321	0.005	0.003		33.2	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.03	2506.00	39750	0.0	13.40	12.27	50	0	Right	0	N/A	0.002	0.000	1.297	0.003	0.000		36.3	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.07	2506.00	39750	0.0	13.40	12.19	1	50	Left	0	N/A	0.537	0.174	1.321	0.709	0.230		11.9	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.01	2549.50	40285	0.0	13.40	12.02	1	50	Left	0	N/A	0.491	0.158	1.374	0.675	0.217		12.1	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.03	2593.00	40620	0.0	13.40	12.07	1	99	Left	0	N/A	0.532	0.168	1.358	0.722	0.228		11.8	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.05	2636.50	41055	0.0	13.40	12.14	1	50	Left	0	N/A	0.540	0.168	1.337	0.722	0.225		11.8	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.02	2680.00	41490	0.0	13.40	12.09	1	99	Left	0	N/A	0.557	0.173	1.352	0.753	0.234		11.6	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.14	2506.00	39750	0.0	13.40	12.27	50	0	Left	0	N/A	0.328	0.172	1.297	0.685	0.223		12.0	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.00	2549.50	40285	0.0	13.40	12.13	50	0	Left	0	N/A	0.514	0.168	1.340	0.689	0.225		12.0	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.01	2593.00	40620	0.0	13.40	12.14	50	25	Left	0	N/A	0.552	0.179	1.337	0.745	0.239		11.7	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.05	2636.50	41055	0.0	13.40	12.23	50	25	Left	0	N/A	0.569	0.180	1.309	0.745	0.236		11.7	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.07	2680.00	41490	0.0	13.40	12.14	50	25	Left	0	N/A	0.572	0.180	1.297	0.745	0.241		11.7	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	-0.02	2506.00	39750	0.0	13.40	12.16	100	0	Left	0	N/A	0.530	0.173	1.350	0.705	0.230		11.9	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:1.58	0.05	2680.00	41490	0.0	13.40	12.15	50	0	Back	0	ULCA 43C	0.720	0.251	1.274	0.917	0.320		10.8	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:2.31	0.02	2680.00	41490	0.0	15.00	14.30	50	50	Back	0	ULCA 43C	0.821	0.279	1.175	0.965	0.328		10.5	
Body	LTE Band 41	20	QPSK	4	4LG4M	1:2.31	-0.01	2660.20	41292	0.0	15.00	14.30	50	50	Back	0	ULCA 43C	0.821	0.279	1.175	0.965	0.328		10.5	
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																		Body							
Uncontrolled Exposure/General Population																		Spatial Peak averaged over 1 gram							
																		1.6 W/kg (mW/kg)							

10.15 LTE Band 48 Standalone SAR

Table 10-43 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.12	3560.00	53340	0.0	11.50	10.54	1	50	Back	0	N/A	0.528	0.155	1.247	0.646	0.193		10.4	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.06	3603.30	53773	0.0	11.50	10.55	1	50	Back	0	N/A	0.478	0.144	1.245	0.595	0.179		10.8	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.02	3646.70	56207	0.0	11.50	10.74	1	50	Back	0	N/A	0.523	0.158	1.191	0.623	0.188		10.6	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.02	3690.00	56640	0.0	11.50	10.67	1	50	Back	0	N/A	0.585	0.171	1.211	0.705	0.207		10.0	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.08	3560.00	53340	0.0	11.50	10.63	99	0	Back	0	N/A	0.527	0.158	1.222	0.644	0.193		10.4	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.05	3603.30	53773	0.0	11.50	10.68	50	25	Back	0	N/A	0.522	0.156	1.208	0.631	0.188		10.5	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.03	3646.70	56207	0.0	11.50	10.80	50	25	Back	0	N/A	0.519	0.157	1.175	0.610	0.184		10.6	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.06	3690.00	56640	0.0	11.50	10.72	50	25	Back	0	N/A	0.596	0.177	1.189	0.709	0.208		10.0	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.02	3646.70	56207	0.0	11.50	10.71	100	0	Back	0	N/A	0.547	0.161	1.199	0.656	0.193		10.3	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.02	3646.70	56207	0.0	11.50	10.74	1	50	Top	0	N/A	0.011	0.002	1.191	0.013	0.002		27.3	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.08	3646.70	56207	0.0	11.50	10.80	50	25	Top	0	N/A	0.008	0.000	1.175	0.009	0.000		28.8	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.06	3646.70	56207	0.0	11.50	10.74	1	50	Bottom	0	N/A	0.180	0.049	1.191	0.226	0.058		14.9	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.08	3646.70	56207	0.0	11.50	10.80	50	25	Bottom	0	N/A	0.201	0.052	1.175	0.236	0.061		14.8	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.03	3646.70	56207	0.0	11.50	10.74	1	50	Right	0	N/A	0.000	0.000	1.191	0.000	0.000		47.7	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.06	3646.70	56207	0.0	11.50	10.80	50	25	Right	0	N/A	0.000	0.000	1.175	0.000	0.000		47.8	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.20	3560.00	53340	0.0	11.50	10.54	1	50	Left	0	N/A	0.525	0.146	1.247	0.655	0.182		10.3	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.07	3603.30	53773	0.0	11.50	10.55	1	50	Left	0	N/A	0.627	0.165	1.245	0.781	0.205		9.6	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.01	3603.30	53773	0.0	11.50	10.56	1	0	Left	0	N/A	0.583	0.156	1.800	0.755	0.203		9.7	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.10	3646.70	56207	0.0	11.50	10.74	1	50	Left	0	N/A	0.192	0.159	1.191	0.705	0.189		10.0	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.07	3690.00	56640	0.0	11.50	10.67	1	50	Left	0	N/A	0.587	0.157	1.211	0.723	0.190		9.9	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.10	3560.00	53340	0.0	11.50	10.63	50	0	Left	0	N/A	0.514	0.145	1.222	0.628	0.177		10.5	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.05	3603.30	53773	0.0	11.50	10.68	50	25	Left	0	N/A	0.514	0.154	1.208	0.693	0.186		10.1	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.08	3646.70	56207	0.0	11.50	10.80	50	25	Left	0	N/A	0.573	0.155	1.175	0.673	0.182		10.2	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.01	3690.00	56640	0.0	11.50	10.75	50	25	Left	0	N/A	0.611	0.162	1.189	0.726	0.193		9.9	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	-0.05	3646.70	56207	0.0	11.50	10.71	100	0	Left	0	N/A	0.560	0.151	1.199	0.671	0.181		10.2	
Body	LTE Band 48	20	QPSK	1a	CN949	1:1.58	0.00	3603.30	53773	0.0	11.50	10.74	1	0	Left	0	ULCA 4BC	0.549	0.148	1.312	0.720	0.194		9.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/Kg (mW/g) averaged over 1 gram							

Table 10-44 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.00	3560.00	53340	0.0	12.80	12.46	1	50	Back	0	N/A	0.596	0.182	1.081	0.644	0.197		11.7	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.12	3603.30	53773	0.0	12.80	12.53	1	50	Back	0	N/A	0.711	0.212	1.064	0.757	0.226		11.0	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.00	3646.70	56207	0.0	12.80	12.58	1	50	Back	0	N/A	0.691	0.208	1.052	0.727	0.219		11.2	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.01	3690.00	56640	0.0	12.80	12.63	1	99	Back	0	N/A	0.749	0.223	1.040	0.779	0.232		10.9	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.01	3560.00	53340	0.0	12.80	12.35	50	25	Back	0	N/A	0.620	0.189	1.059	0.657	0.200		11.6	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.03	3603.30	53773	0.0	12.80	12.62	50	50	Back	0	N/A	0.722	0.215	1.042	0.752	0.222		11.0	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.01	3646.70	56207	0.0	12.80	12.63	50	25	Back	0	N/A	0.706	0.212	1.040	0.734	0.220		11.1	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.01	3690.00	56640	0.0	12.80	12.66	50	25	Back	0	N/A	0.804	0.238	1.033	0.831	0.246	A15	10.6	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.03	3690.00	56640	0.0	12.80	12.65	50	0	Back	0	N/A	0.802	0.237	1.035	0.830	0.245		10.6	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.02	3690.00	56640	0.0	12.80	12.62	100	0	Back	0	N/A	0.786	0.232	1.042	0.819	0.242		10.7	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.05	3690.00	56640	0.0	12.80	12.63	1	99	Top	0	N/A	0.006	0.000	1.040	0.006	0.000		10.8	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.01	3690.00	56640	0.0	12.80	12.66	50	25	Top	0	N/A	0.006	0.000	1.031	0.006	0.000		11.9	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.05	3690.00	56640	0.0	12.80	12.63	1	99	Bottom	0	N/A	0.262	0.079	1.040	0.277	0.082		15.4	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.04	3690.00	56640	0.0	12.80	12.66	50	25	Bottom	0	N/A	0.271	0.082	1.033	0.280	0.085		15.3	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.05	3690.00	56640	0.0	12.80	12.63	1	99	Right	0	N/A	0.402	0.104	1.040	0.418	0.108		13.6	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.07	3690.00	56640	0.0	12.80	12.66	50	25	Right	0	N/A	0.409	0.106	1.033	0.422	0.109		13.5	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.08	3690.00	56640	0.0	12.80	12.63	1	99	Left	0	N/A	0.000	0.000	1.040	0.000	0.000		49.6	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	0.06	3690.00	56640	0.0	12.80	12.66	50	25	Left	0	N/A	0.000	0.000	1.033	0.000	0.000		49.7	
Body	LTE Band 48	20	QPSK	2	GPW4X	1:1.58	-0.02	3690.00	56640	0.0	12.80	12.64	50	0	Back	0	ULCA 4BC	0.803	0.236	1.038	0.834	0.245		10.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/Kg (mW/g) averaged over 1 gram							

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 270 of 387	

REV 24.0
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Table 10-45 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.06	3603.30	55773	0.0	11.50	10.47	1	50	Back	0	N/A	0.333	0.104	1.268	0.422	0.132		12.2	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.06	3603.30	55773	0.0	11.50	10.53	50	25	Back	0	N/A	0.341	0.106	1.250	0.426	0.133		12.2	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.08	3603.30	55773	0.0	11.50	10.47	1	50	Top	0	N/A	0.203	0.055	1.268	0.257	0.070		14.4	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.04	3603.30	55773	0.0	11.50	10.53	50	25	Top	0	N/A	0.209	0.056	1.250	0.263	0.070		14.3	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.04	3603.30	55773	0.0	11.50	10.47	1	50	Bottom	0	N/A	0.000	0.000	1.268	0.000	0.000		47.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.09	3603.30	55773	0.0	11.50	10.53	50	25	Bottom	0	N/A	0.000	0.000	1.250	0.000	0.000		47.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.00	3560.00	55340	0.0	11.50	10.43	1	50	Right	0	N/A	0.522	0.142	1.279	0.668	0.182		10.3	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.03	3603.30	55773	0.0	11.50	10.47	1	50	Right	0	N/A	0.492	0.133	1.268	0.624	0.169		10.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.00	3646.70	56207	0.0	11.50	10.35	1	50	Right	0	N/A	0.474	0.127	1.303	0.618	0.165		10.6	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.03	3690.00	56640	0.0	11.50	10.44	1	50	Right	0	N/A	0.488	0.130	1.276	0.620	0.166		10.6	10.2
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.00	3560.00	55340	0.0	11.50	10.52	50	50	Right	0	N/A	0.539	0.147	1.253	0.675	0.184		10.2	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.07	3603.30	55773	0.0	11.50	10.53	50	25	Right	0	N/A	0.504	0.137	1.250	0.680	0.171		10.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.03	3646.70	56207	0.0	11.50	10.40	50	50	Right	0	N/A	0.492	0.131	1.288	0.634	0.169		10.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.03	3690.00	56640	0.0	11.50	10.48	50	25	Right	0	N/A	0.495	0.132	1.265	0.626	0.167		10.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.01	3603.30	55773	0.0	11.50	10.45	100	0	Right	0	N/A	0.496	0.136	1.274	0.632	0.173		10.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.05	3603.30	55773	0.0	11.50	10.47	1	50	Left	0	N/A	0.000	0.000	1.268	0.000	0.000		47.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	0.01	3603.30	55773	0.0	11.50	10.53	50	25	Left	0	N/A	0.000	0.000	1.250	0.000	0.000		47.5	
Body	LTE Band 48	20	QPSK	3a	DTQHX	1:1.58	-0.01	3560.00	55340	0.0	11.50	11.15	50	0	Right	0	ULCA 48C	0.622	0.167	1.084	0.674	0.181		10.2	
ANSI/IEEE C63.1, 1592 - SAFETY LIMIT													Body												
Spatial Peak													1.6 W/kg (mW/g)												
Uncontrolled Exposure/General Population													averaged over 1 gram												

Table 10-46 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.03	3560.00	55340	0.0	11.20	10.15	1	99	Back	0	N/A	0.545	0.159	1.274	0.694	0.203		9.8	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.06	3603.30	55773	0.0	11.20	10.36	1	50	Back	0	N/A	0.636	0.174	1.216	0.749	0.212		9.5	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.05	3646.70	56207	0.0	11.20	10.16	1	50	Back	0	N/A	0.572	0.166	1.271	0.727	0.211		9.6	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.07	3690.00	56640	0.0	11.20	10.21	1	50	Back	0	N/A	0.525	0.156	1.253	0.658	0.195		10.0	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.07	3560.00	55340	0.0	11.20	10.28	50	25	Back	0	N/A	0.599	0.174	1.236	0.740	0.215		9.5	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.01	3603.30	55773	0.0	11.20	10.42	50	25	Back	0	N/A	0.630	0.178	1.197	0.754	0.213		9.4	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.02	3603.30	55773	0.0	11.20	10.20	50	0	Back	0	N/A	0.596	0.170	1.231	0.732	0.210		9.5	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.03	3646.70	56207	0.0	11.20	10.27	50	25	Back	0	N/A	0.567	0.166	1.239	0.703	0.206		9.7	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.03	3690.00	56640	0.0	11.20	10.33	50	50	Back	0	N/A	0.539	0.161	1.222	0.659	0.197		10.0	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.00	3603.30	55773	0.0	11.20	10.12	100	0	Back	0	N/A	0.608	0.173	1.225	0.745	0.212		9.5	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.04	3603.30	55773	0.0	11.20	10.35	1	50	Top	0	N/A	0.128	0.043	1.216	0.156	0.052		16.3	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.11	3603.30	55773	0.0	11.20	10.42	50	25	Top	0	N/A	0.136	0.042	1.197	0.151	0.050		16.4	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.09	3603.30	55773	0.0	11.20	10.35	1	50	Bottom	0	N/A	0.000	0.000	1.216	0.000	0.000		47.3	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.05	3603.30	55773	0.0	11.20	10.46	50	25	Bottom	0	N/A	0.000	0.000	1.197	0.000	0.000		47.4	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.02	3603.30	55773	0.0	11.20	10.35	1	50	Right	0	N/A	0.000	0.000	1.216	0.000	0.000		47.3	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	0.07	3603.30	55773	0.0	11.20	10.42	50	25	Right	0	N/A	0.000	0.000	1.197	0.000	0.000		47.4	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.12	3603.30	55773	0.0	11.20	10.35	1	50	Left	0	N/A	0.203	0.052	1.216	0.247	0.063		14.3	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.14	3603.30	55773	0.0	11.20	10.42	50	25	Left	0	N/A	0.204	0.052	1.197	0.244	0.062		14.3	
Body	LTE Band 48	20	QPSK	4	0R919	1:1.58	-0.02	3603.30	55773	0.0	11.20	10.26	50	0	Back	0	ULCA 48C	0.591	0.170	1.242	0.734	0.211		9.5	
ANSI/IEEE C63.1, 1592 - SAFETY LIMIT													Body												
Spatial Peak													1.6 W/kg (mW/g)												
Uncontrolled Exposure/General Population													averaged over 1 gram												

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Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Technical Manager
		Page 271 of 387	

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10.16 NR Band n71 Standalone SAR

Table 10-47 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n71	20	QPSK	2	6H93L	1:1	-0.01	680.50	136300	DFT-s-OFDM	0.0	19.70	18.79	1	1	Back	0	0.761	0.285	1.223	0.963	0.351		18.9	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	-0.04	680.50	136300	DFT-s-OFDM	0.0	19.70	18.74	50	0	Back	0	0.750	0.270	1.247	0.943	0.337		18.9	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.01	680.50	136300	DFT-s-OFDM	0.0	19.70	18.68	100	0	Back	0	0.724	0.260	1.265	0.916	0.329		19.1	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.02	680.50	136300	CP-OFDM	0.0	19.70	18.91	1	1	Back	0	0.828	0.282	1.199	0.986	0.390	A16	18.7	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.03	680.50	136300	DFT-s-OFDM	0.0	19.70	18.79	1	1	Top	0	0.836	0.008	1.233	0.020	0.030		18.7	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	-0.10	680.50	136300	DFT-s-OFDM	0.0	19.70	18.74	50	0	Top	0	0.617	0.008	1.247	0.021	0.030		19.4	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.01	680.50	136300	DFT-s-OFDM	0.0	19.70	18.79	1	1	Bottom	0	0.652	0.274	1.233	0.804	0.338		19.6	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	-0.01	680.50	136300	DFT-s-OFDM	0.0	19.70	18.74	50	0	Bottom	0	0.655	0.277	1.247	0.817	0.345		19.6	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.03	680.50	136300	DFT-s-OFDM	0.0	19.70	18.68	100	0	Bottom	0	0.669	0.279	1.265	0.846	0.353		19.4	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.07	680.50	136300	DFT-s-OFDM	0.0	19.70	18.79	1	1	Right	0	0.437	0.159	1.233	0.539	0.196		21.4	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	0.01	680.50	136300	DFT-s-OFDM	0.0	19.70	18.74	50	0	Right	0	0.378	0.140	1.247	0.471	0.175		21.9	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	-0.04	680.50	136300	DFT-s-OFDM	0.0	19.70	18.79	1	1	Left	0	0.690	0.027	1.233	0.074	0.033		20.0	
Body	NR Band n71	20	QPSK	2	6H93L	1:1	-0.11	680.50	136300	DFT-s-OFDM	0.0	19.70	18.74	50	0	Left	0	0.665	0.028	1.247	0.081	0.035		29.6	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-48 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n71	20	QPSK	4	17CXU	1:1	0.01	680.50	136300	DFT-s-OFDM	0.0	20.40	19.60	1	53	Back	0	0.765	0.356	1.202	0.920	0.428		19.7	19.7
Body	NR Band n71	20	QPSK	4	17CXU	1:1	0.00	680.50	136300	DFT-s-OFDM	0.0	20.40	19.52	50	0	Back	0	0.706	0.327	1.225	0.865	0.401		20.0	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.01	680.50	136300	DFT-s-OFDM	0.0	20.40	19.47	100	0	Back	0	0.443	0.202	1.239	0.549	0.250		22.0	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.05	680.50	136300	CP-OFDM	0.0	20.40	19.53	1	1	Back	0	0.736	0.347	1.222	0.899	0.424		19.8	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.06	680.50	136300	DFT-s-OFDM	0.0	20.40	19.60	1	53	Top	0	0.592	0.248	1.202	0.712	0.298		20.9	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	0.02	680.50	136300	DFT-s-OFDM	0.0	20.40	19.52	50	0	Top	0	0.481	0.203	1.225	0.589	0.249		21.7	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	0.14	680.50	136300	DFT-s-OFDM	0.0	20.40	19.60	1	53	Bottom	0	0.027	0.011	1.202	0.032	0.013		34.3	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	0.02	680.50	136300	DFT-s-OFDM	0.0	20.40	19.52	50	0	Bottom	0	0.027	0.011	1.225	0.033	0.013		34.2	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.13	680.50	136300	DFT-s-OFDM	0.0	20.40	19.60	1	53	Right	0	0.073	0.036	1.202	0.088	0.043		29.9	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.09	680.50	136300	DFT-s-OFDM	0.0	20.40	19.52	50	0	Right	0	0.060	0.029	1.225	0.074	0.036		30.7	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.01	680.50	136300	DFT-s-OFDM	0.0	20.40	19.60	1	53	Left	0	0.524	0.198	1.202	0.630	0.238		21.4	
Body	NR Band n71	20	QPSK	4	17CXU	1:1	-0.08	680.50	136300	DFT-s-OFDM	0.0	20.40	19.52	50	0	Left	0	0.493	0.181	1.225	0.604	0.222		21.6	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

10.17 NR Band n12 Standalone SAR

Table 10-49 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	18.70	18.25	1	40	Back	0	0.895	0.328	1.109	0.993	0.364	A17	17.7	17.7
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	18.70	18.26	36	0	Back	0	0.791	0.295	1.107	0.876	0.327		18.3	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	18.70	18.25	50	0	Back	0	0.762	0.269	1.122	0.853	0.316		18.2	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.02	707.50	141500	CP-OFDM	0.0	18.70	18.27	1	1	Back	0	0.771	0.294	1.115	0.963	0.329		18.3	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.06	707.50	141500	DFT-s-OFDM	0.0	18.70	18.25	1	40	Top	0	0.807	0.009	1.109	0.019	0.010		34.9	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	18.70	18.26	36	0	Top	0	0.825	0.007	1.107	0.017	0.008		35.5	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	18.70	18.25	1	40	Bottom	0	0.869	0.046	1.109	0.669	0.273		19.4	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.05	707.50	141500	DFT-s-OFDM	0.0	18.70	18.26	36	0	Bottom	0	0.537	0.224	1.107	0.594	0.248		19.9	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	18.70	18.25	1	40	Right	0	0.472	0.188	1.109	0.513	0.175		20.5	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	18.70	18.26	36	0	Right	0	0.464	0.155	1.107	0.514	0.172		20.6	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.09	707.50	141500	DFT-s-OFDM	0.0	18.70	18.25	1	40	Left	0	0.547	0.010	1.109	0.052	0.022		30.5	
Body	NR Band n12	15	QPSK	2	1L1NF	1:1	0.02	707.50	141500	DFT-s-OFDM	0.0	18.70	18.26	36	0	Left	0	0.606	0.018	1.107	0.064	0.020		31.2	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 10-50 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n12	15	QPSK	4	4K32C	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	19.50	18.61	1	1	Back	0	0.778	0.358	1.227	0.955	0.439		18.7	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	19.50	18.58	36	0	Back	0	0.780	0.355	1.242	0.969	0.441		18.6	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	19.50	18.49	75	0	Back	0	0.734	0.318	1.262	0.926	0.427		18.8	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.02	707.50	141500	CP-OFDM	0.0	19.50	18.44	1	1	Back	0	0.778	0.365	1.276	0.980	0.466		18.5	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	19.50	18.61	1	1	Top	0	0.621	0.262	1.227	0.762	0.321		19.7	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.05	707.50	141500	DFT-s-OFDM	0.0	19.50	18.58	36	0	Top	0	0.615	0.258	1.242	0.761	0.320		19.0	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.20	707.50	141500	DFT-s-OFDM	0.0	19.50	18.61	1	1	Bottom	0	0.868	0.008	1.227	0.002	0.010		35.0	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.21	707.50	141500	DFT-s-OFDM	0.0	19.50	18.56	36	0	Bottom	0	0.808	0.014	1.242	0.055	0.017		33.2	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	19.50	18.61	1	1	Right	0	0.580	0.014	1.227	0.009	0.017		32.4	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.07	707.50	141500	DFT-s-OFDM	0.0	19.50	18.56	36	0	Right	0	0.540	0.018	1.242	0.050	0.022		31.5	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.02	707.50	141500	DFT-s-OFDM	0.0	19.50	18.61	1	1	Left	0	0.591	0.185	1.227	0.627	0.227		20.5	
Body	NR Band n12	15	QPSK	4	4K32C	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	19.50	18.56	36	0	Left	0	0.585	0.183	1.242	0.627	0.226		20.5	
AND/IEEE C95.1 1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure (General Population)																		averaged 10 min							

10.18 NR Band n14 Standalone SAR

Table 10-51 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	18.60	18.24	1	1	Back	0	0.894	0.316	1.086	0.971	0.343	A18	17.7	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	18.60	18.17	25	0	Back	0	0.835	0.308	1.104	0.922	0.340		17.9	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	18.60	18.12	50	0	Back	0	0.822	0.300	1.117	0.918	0.335		18.0	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	-0.01	793.00	158600	CP-OFDM	0.0	18.60	18.24	1	1	Back	0	0.807	0.288	1.086	0.978	0.324		18.2	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.06	793.00	158600	DFT-s-OFDM	0.0	18.60	18.24	1	1	Top	0	0.915	0.007	1.086	0.016	0.008		35.5	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.17	793.00	158600	DFT-s-OFDM	0.0	18.60	18.17	25	0	Top	0	0.911	0.005	1.104	0.012	0.006		36.7	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	18.60	18.24	1	1	Bottom	0	0.824	0.331	1.086	0.895	0.339		18.1	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	18.60	18.17	25	0	Bottom	0	0.818	0.327	1.104	0.903	0.361		18.0	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	18.60	18.12	50	0	Bottom	0	0.821	0.327	1.117	0.917	0.365		18.0	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	-0.14	793.00	158600	DFT-s-OFDM	0.0	18.60	18.24	1	1	Right	0	0.547	0.203	1.086	0.594	0.220		19.8	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	18.60	18.17	25	0	Right	0	0.538	0.188	1.104	0.594	0.219		19.8	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	18.60	18.24	1	1	Left	0	0.662	0.027	1.086	0.067	0.029		29.3	
Body	NR Band n14	10	QPSK	2	4PFFD	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	18.60	18.17	25	0	Left	0	0.690	0.023	1.104	0.055	0.025		30.2	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-52 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n14	10	QPSK	4	FF430	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	18.80	18.44	1	1	Back	0	0.672	0.349	1.086	0.730	0.379	19.1	18.0	
Body	NR Band n14	10	QPSK	4	FF430	1:1	0.06	793.00	158600	DFT-s-OFDM	0.0	18.80	18.43	25	0	Back	0	0.667	0.344	1.089	0.726	0.375	19.2		
Body	NR Band n14	10	QPSK	4	FF430	1:1	-0.03	793.00	158600	CP-OFDM	0.0	18.80	18.47	1	1	Back	0	0.673	0.422	1.079	0.942	0.455	18.0		
Body	NR Band n14	10	QPSK	4	FF430	1:1	0.07	793.00	158600	DFT-s-OFDM	0.0	18.80	18.44	1	1	Top	0	0.522	0.248	1.086	0.567	0.269	20.2		
Body	NR Band n14	10	QPSK	4	FF430	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	18.80	18.43	25	0	Top	0	0.519	0.243	1.089	0.565	0.265	20.3		
Body	NR Band n14	10	QPSK	4	FF430	1:1	-0.15	793.00	158600	DFT-s-OFDM	0.0	18.80	18.44	1	1	Bottom	0	0.622	0.014	1.086	0.024	0.015	34.0		
Body	NR Band n14	10	QPSK	4	FF430	1:1	0.05	793.00	158600	DFT-s-OFDM	0.0	18.80	18.43	25	0	Bottom	0	0.626	0.014	1.089	0.028	0.015	33.3		
Body	NR Band n14	10	QPSK	4	FF430	1:1	0.04	793.00	158600	DFT-s-OFDM	0.0	18.80	18.44	1	1	Right	0	0.687	0.041	1.086	0.094	0.045	28.0		
Body	NR Band n14	10	QPSK	4	FF430	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	18.80	18.43	25	0	Right	0	0.690	0.040	1.089	0.098	0.044	27.9		
Body	NR Band n14	10	QPSK	4	FF430	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	18.80	18.44	1	1	Left	0	0.696	0.255	1.086	0.756	0.277	19.0		
Body	NR Band n14	10	QPSK	4	FF430	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	18.80	18.43	25	0	Left	0	0.679	0.251	1.089	0.739	0.273	19.1		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

10.19 NR Band n26 Standalone SAR

Table 10-53 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n26	20	QPSK	2	6H93L	1:1	-0.07	831.50	166300	DFT-s-OFDM	0.0	17.50	16.40	1	53	Back	0	0.624	0.221	1.288	0.804	0.285		17.4	16.9
Body	NR Band n26	20	QPSK	2	6H93L	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	17.50	16.34	50	56	Back	0	0.586	0.233	1.306	0.765	0.304		17.6	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	17.50	16.26	100	0	Back	0	0.674	0.269	1.330	0.896	0.358		17.0	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	-0.03	831.50	166300	CP-OFDM	0.0	17.50	16.22	1	1	Back	0	0.679	0.277	1.343	0.912	0.372		16.9	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	17.50	16.40	1	53	Top	0	0.615	0.007	1.288	0.019	0.009		33.6	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	17.50	16.34	50	56	Top	0	0.618	0.009	1.306	0.024	0.012		32.8	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	17.50	16.40	1	53	Bottom	0	0.630	0.253	1.288	0.811	0.326		17.4	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	17.50	16.34	50	56	Bottom	0	0.607	0.245	1.306	0.793	0.320		17.5	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	17.50	16.26	100	0	Bottom	0	0.564	0.235	1.330	0.750	0.313		17.7	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	17.50	16.40	1	53	Right	0	0.373	0.148	1.288	0.480	0.191		19.7	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	17.50	16.34	50	56	Right	0	0.402	0.159	1.306	0.525	0.208		19.3	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	-0.05	831.50	166300	DFT-s-OFDM	0.0	17.50	16.40	1	53	Left	0	0.602	0.027	1.288	0.080	0.035		27.5	
Body	NR Band n26	20	QPSK	2	6H93L	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	17.50	16.34	50	56	Left	0	0.603	0.012	1.306	0.043	0.016		30.1	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		1.6 W/kg (mW/g) averaged over 1 gram							
Spatial Peak Uncontrolled Exposure/General Population																									

Table 10-54 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	17.70	16.85	1	104	Back	0	0.697	0.315	1.216	0.848	0.383		17.4	16.8
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	17.70	16.83	50	0	Back	0	0.768	0.349	1.222	0.990	0.426		17.0	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	17.70	16.76	300	0	Back	0	0.786	0.342	1.242	0.951	0.425		16.9	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.07	831.50	166300	CP-OFDM	0.0	17.70	16.92	1	1	Back	0	0.814	0.364	1.197	0.974	0.436	A19	16.8	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	17.70	16.85	1	104	Top	0	0.519	0.218	1.216	0.631	0.265		18.7	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	17.70	16.83	50	0	Top	0	0.475	0.206	1.222	0.580	0.252		19.0	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	17.70	16.85	1	104	Bottom	0	0.615	0.005	1.216	0.018	0.006		34.1	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	-0.16	831.50	166300	DFT-s-OFDM	0.0	17.70	16.83	50	0	Bottom	0	0.614	0.007	1.222	0.017	0.009		34.3	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	17.70	16.85	1	104	Right	0	0.686	0.030	1.216	0.080	0.036		27.6	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	-0.13	831.50	166300	DFT-s-OFDM	0.0	17.70	16.83	50	0	Right	0	0.659	0.026	1.222	0.072	0.032		28.1	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	17.70	16.85	1	104	Left	0	0.519	0.196	1.222	0.051	0.236		18.7	
Body	NR Band n26	20	QPSK	4	4K32C	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	17.70	16.83	50	0	Left	0	0.473	0.172	1.222	0.078	0.215		19.1	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

10.20 NR Band n5 Standalone SAR

Table 10-55 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	PLimit [dBm]	Overall PLimit [dBm]
Body	NR Band n5	20	QPSK	2	CN949	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	17.50	16.83	1	1	Back	0	0.763	0.272	1.167	0.914	0.317		16.9	16.5
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.01	836.50	167300	DFT-s-OFDM	0.0	17.50	16.89	50	0	Back	0	0.841	0.285	1.151	0.968	0.328		16.6	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	17.50	16.81	100	0	Back	0	0.794	0.259	1.172	0.931	0.304		16.8	
Body	NR Band n5	20	QPSK	2	CN949	1:1	-0.06	836.50	167300	CP-OFDM	0.0	17.50	16.87	1	1	Back	0	0.860	0.322	1.156	0.984	0.371	A20	16.5	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.06	836.50	167300	DFT-s-OFDM	0.0	17.50	16.83	1	1	Top	0	0.024	0.009	1.167	0.028	0.011		32.0	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	17.50	16.89	50	0	Top	0	0.015	0.006	1.151	0.017	0.007		34.1	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.06	836.50	167300	DFT-s-OFDM	0.0	17.50	16.83	1	1	Bottom	0	0.093	0.294	1.167	0.809	0.343		17.4	
Body	NR Band n5	20	QPSK	2	CN949	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	17.50	16.89	50	0	Bottom	0	0.651	0.275	1.151	0.749	0.317		17.7	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	17.50	16.81	100	0	Bottom	0	0.750	0.294	1.172	0.879	0.345		17.0	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.06	836.50	167300	DFT-s-OFDM	0.0	17.50	16.83	1	1	Right	0	0.495	0.187	1.167	0.573	0.218		18.9	
Body	NR Band n5	20	QPSK	2	CN949	1:1	0.01	836.50	167300	DFT-s-OFDM	0.0	17.50	16.89	50	0	Right	0	0.366	0.154	1.151	0.421	0.177		20.2	
Body	NR Band n5	20	QPSK	2	CN949	1:1	-0.10	836.50	167300	DFT-s-OFDM	0.0	17.50	16.83	1	1	Left	0	0.037	0.016	1.167	0.043	0.019		30.1	
Body	NR Band n5	20	QPSK	2	CN949	1:1	-0.10	836.50	167300	DFT-s-OFDM	0.0	17.50	16.89	50	0	Left	0	0.040	0.018	1.151	0.046	0.021		29.9	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-56 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	PLimit [dBm]	Overall PLimit [dBm]
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	17.70	16.91	1	1	Back	0	0.772	0.349	1.199	0.926	0.418		17.0	17.0
Body	NR Band n5	20	QPSK	4	7P01T	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	17.70	16.90	50	56	Back	0	0.689	0.308	1.202	0.828	0.370		17.5	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	17.70	16.82	100	0	Back	0	0.710	0.319	1.225	0.870	0.391		17.3	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.01	836.50	167300	CP-OFDM	0.0	17.70	16.98	1	1	Back	0	0.752	0.342	1.180	0.887	0.404		17.2	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	17.70	16.91	1	1	Top	0	0.495	0.218	1.199	0.594	0.265		18.9	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	17.70	16.90	50	56	Top	0	0.476	0.207	1.202	0.572	0.249		19.1	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	-0.10	836.50	167300	DFT-s-OFDM	0.0	17.70	16.91	1	1	Bottom	0	0.012	0.006	1.199	0.014	0.007		35.1	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.05	836.50	167300	DFT-s-OFDM	0.0	17.70	16.90	50	56	Bottom	0	0.011	0.006	1.202	0.013	0.007		35.5	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	17.70	16.91	1	1	Right	0	0.059	0.026	1.199	0.071	0.031		28.2	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	17.70	16.90	50	56	Right	0	0.062	0.028	1.202	0.075	0.034		28.0	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	17.70	16.91	1	1	Left	0	0.427	0.173	1.199	0.512	0.207		19.6	
Body	NR Band n5	20	QPSK	4	7P01T	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	17.70	16.90	50	56	Left	0	0.379	0.162	1.202	0.466	0.195		20.1	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak																		Body 1.6 W/kg (mW/g) averaged over 1 gram							
Uncontrolled Exposure/General Population																									

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 274 of 387

REV 24.0
05/01/2024

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10.21 NR Band n70 Standalone SAR

Table 10-57 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	-0.10	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.37	1	40	Back	0	0.798	0.316	1.079	0.861	0.341		11.3	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.36	36	0	Back	0	0.822	0.327	1.081	0.889	0.353	A21	11.1	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.32	75	0	Back	0	0.829	0.325	1.091	0.894	0.355		11.1	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	-0.02	1702.50	340500	CP-OFDM	0.0	11.70	11.48	1	1	Back	0	0.793	0.315	1.052	0.834	0.331		11.5	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.03	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.37	1	40	Top	0	0.806	0.300	1.079	0.800	0.300		10.4	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.36	36	0	Top	0	0.800	0.300	1.081	0.800	0.300		10.1	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.37	1	40	Bottom	0	0.805	0.243	1.079	0.707	0.262		12.2	11.1
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.36	36	0	Bottom	0	0.807	0.247	1.081	0.720	0.267		12.2	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.32	75	0	Bottom	0	0.870	0.247	1.091	0.731	0.269		12.0	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.37	1	40	Right	0	0.807	0.007	1.079	0.008	0.008		28.0	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.36	36	0	Right	0	0.808	0.008	1.081	0.008	0.009		27.8	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.37	1	40	Left	0	0.827	0.012	1.079	0.029	0.013		26.0	
Body	NR Band n70	15	QPSK	1b	7NC02	1:1	0.07	1702.50	340500	DFT-s-OFDM	0.0	11.70	11.36	36	0	Left	0	0.808	0.012	1.081	0.030	0.013		25.0	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-58 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	2	L11NF	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.23	1	77	Back	0	0.569	0.244	1.309	0.745	0.319		13.7	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.24	36	43	Back	0	0.610	0.258	1.306	0.797	0.337		13.4	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.01	1702.50	340500	CP-OFDM	0.0	13.40	12.30	1	1	Back	0	0.517	0.208	1.288	0.666	0.268		14.1	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.23	1	77	Top	0	0.600	0.000	1.309	0.000	0.000		15.2	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	-0.21	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.24	36	43	Top	0	0.008	0.003	1.306	0.010	0.004		32.2	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.23	1	77	Bottom	0	0.515	0.220	1.309	0.674	0.288		14.1	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.24	36	43	Bottom	0	0.560	0.237	1.306	0.731	0.330		13.7	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.23	1	77	Right	0	0.378	0.130	1.309	0.495	0.170		15.4	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	-0.10	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.24	36	43	Right	0	0.406	0.140	1.306	0.530	0.183		15.1	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.23	1	77	Left	0	0.006	0.002	1.309	0.008	0.003		13.4	
Body	NR Band n70	15	QPSK	2	L11NF	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.40	12.24	36	43	Left	0	0.005	0.002	1.306	0.007	0.003		14.2	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-59 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.37	1	77	Back	0	0.670	0.283	1.156	0.775	0.327		13.1	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.36	36	43	Back	0	0.760	0.320	1.159	0.881	0.371		12.5	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.35	75	0	Back	0	0.823	0.346	1.161	0.956	0.402		12.2	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.37	1	77	Top	0	0.829	0.352	1.156	0.958	0.407		12.2	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.36	36	43	Top	0	0.704	0.297	1.159	0.816	0.344		12.9	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.35	75	0	Top	0	0.774	0.318	1.161	0.899	0.369		12.4	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.07	1702.50	340500	CP-OFDM	0.0	13.00	12.34	1	1	Top	0	0.818	0.342	1.164	0.952	0.398		12.2	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.37	1	77	Bottom	0	0.005	0.002	1.156	0.006	0.002		34.4	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.36	36	43	Bottom	0	0.006	0.002	1.159	0.007	0.002		33.6	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.37	1	77	Right	0	0.028	0.026	1.156	0.027	0.030		23.7	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.36	36	43	Right	0	0.064	0.028	1.159	0.074	0.032		23.3	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.37	1	77	Left	0	0.044	0.020	1.156	0.051	0.023		24.9	
Body	NR Band n70	15	QPSK	3b	3KQ7Q1	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.00	12.36	36	43	Left	0	0.044	0.020	1.159	0.051	0.023		24.9	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-60 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]	
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.45	1	40	Back	0	0.428	0.180	1.274	0.545	0.229		15.1		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	-0.01	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.42	36	0	Back	0	0.456	0.192	1.282	0.585	0.246		14.8		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.45	1	40	Top	0	0.637	0.262	1.274	0.812	0.334		13.4		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.42	36	0	Top	0	0.634	0.264	1.282	0.813	0.338		13.4		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.38	75	0	Top	0	0.630	0.254	1.294	0.789	0.329		13.5		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.00	1702.50	340500	CP-OFDM	0.0	13.50	12.41	1	1	Top	0	0.638	0.262	1.285	0.816	0.337		13.4		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.45	1	40	Bottom	0	0.003	0.001	1.274	0.004	0.001		36.7		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.42	36	0	Bottom	0	0.001	0.000	1.282	0.001	0.000		41.4		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.45	1	40	Right	0	0.002	0.000	1.274	0.003	0.000		38.4		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.42	36	0	Left	0	0.572	0.198	1.274	0.729	0.252		13.9		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	-0.09	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.45	1	40	Left	0	0.572	0.198	1.274	0.729	0.252		13.9		
Body	NR Band n70	15	QPSK	4	CYL22	1:1	-0.14	1702.50	340500	DFT-s-OFDM	0.0	13.50	12.42	36	0	Left	0	0.556	0.193	1.282	0.713	0.247		14.0		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																							Body			
Spatial Peak																							1.6 W/kg [mW/g]			
Uncontrolled Exposure/General Population																							averaged over 1 gram			

10.22 NR Band n66 Standalone SAR

Table 10-61 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.34	1	1	Back	0	0.731	0.298	1.086	0.794	0.324		11.7	
Body	NR Band n66	40	QPSK	1b	59131	1:1	-0.08	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.39	108	0	Back	0	0.735	0.295	1.074	0.787	0.317		11.7	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.13	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.81	216	0	Back	0	0.755	0.295	1.094	0.804	0.329		11.6	
Body	NR Band n66	40	QPSK	1b	59131	1:1	-0.01	1745.00	349000	CP-OFDM	0.0	11.70	11.44	1	1	Back	0	0.827	0.340	1.062	0.926	0.361	A22	11.0	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.34	1	1	Top	0	0.604	0.001	1.086	0.604	0.001		34.3	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.21	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.89	108	0	Top	0	0.606	0.002	1.074	0.606	0.002		32.6	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.34	1	1	Bottom	0	0.653	0.268	1.086	0.709	0.291		12.2	
Body	NR Band n66	40	QPSK	1b	59131	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.39	108	0	Bottom	0	0.660	0.254	1.074	0.709	0.273		12.2	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.11	216	0	Bottom	0	0.644	0.244	1.094	0.705	0.267		12.2	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.13	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.34	1	1	Right	0	0.618	0.008	1.086	0.620	0.009		27.8	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.39	108	0	Right	0	0.623	0.010	1.074	0.625	0.011		26.8	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.11	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.44	1	1	Left	0	0.628	0.012	1.086	0.630	0.013		26.8	
Body	NR Band n66	40	QPSK	1b	59131	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	11.70	11.39	108	0	Left	0	0.632	0.014	1.074	0.634	0.015		25.3	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																									
Spatial Peak																		Body							
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							

Table 10-62 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.41	1	1	Back	0	0.604	0.273	1.256	0.759	0.343		13.6	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	-0.04	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.43	108	0	Back	0	0.700	0.306	1.250	0.875	0.383		13.0	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.38	216	0	Back	0	0.679	0.298	1.265	0.859	0.377		13.0	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.41	1	1	Top	0	0.605	0.001	1.256	0.606	0.001		34.4	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.43	108	0	Top	0	0.604	0.001	1.250	0.605	0.001		35.4	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.41	1	1	Bottom	0	0.583	0.251	1.256	0.732	0.315		13.7	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.43	108	0	Bottom	0	0.589	0.255	1.250	0.736	0.319		13.7	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.41	1	1	Right	0	0.722	0.255	1.256	0.907	0.320		12.8	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.43	108	0	Right	0	0.723	0.261	1.250	0.904	0.326		12.8	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.38	216	0	Right	0	0.749	0.267	1.265	0.947	0.338		12.6	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.03	1745.00	349000	CP-OFDM	0.0	13.40	12.44	1	1	Right	0	0.726	0.259	1.247	0.905	0.323		12.8	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.41	1	1	Left	0	0.603	0.000	1.256	0.604	0.000		36.6	
Body	NR Band n66	40	QPSK	2	VZLHY	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	13.40	12.43	108	0	Left	0	0.603	0.000	1.250	0.603	0.000		36.4	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 10-63 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.55	1	1	Back	0	0.723	0.306	1.109	0.802	0.339		12.9	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.53	108	0	Back	0	0.770	0.325	1.114	0.858	0.362		12.6	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.52	216	0	Back	0	0.746	0.315	1.117	0.833	0.352		12.8	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.55	1	1	Top	0	0.853	0.353	1.109	0.946	0.391		12.2	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.53	108	0	Top	0	0.852	0.353	1.114	0.949	0.393		12.2	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.52	216	0	Top	0	0.847	0.348	1.117	0.946	0.389		12.2	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	0.07	1745.00	349000	CP-OFDM	0.0	13.00	12.36	1	1	Top	0	0.808	0.333	1.159	0.936	0.386		12.3	12.2
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.55	1	1	Bottom	0	0.909	0.004	1.109	0.910	0.004		32.0	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.53	108	0	Bottom	0	0.908	0.003	1.114	0.909	0.003		32.5	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.14	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.55	1	1	Right	0	0.968	0.029	1.109	0.975	0.032		23.2	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.53	108	0	Right	0	0.973	0.031	1.114	0.981	0.035		22.9	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.55	1	1	Left	0	0.948	0.021	1.109	0.953	0.023		24.7	
Body	NR Band n66	40	QPSK	3b	7NC02	1:1	-0.18	1745.00	349000	DFT-s-OFDM	0.0	13.00	12.53	108	0	Left	0	0.948	0.020	1.114	0.953	0.022		24.7	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																									
Spatial Peak																		Body							
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							

Table 10-64 Antenna 4

Exposure	Band /
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10.23 NR Band n25 Standalone SAR

Table 10-65 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.86	1	1	Back	0	0.798	0.912	1.242	0.995	0.988		10.8	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.91	108	0	Back	0	0.796	0.903	1.227	0.964	0.972		10.9	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.85	216	0	Back	0	0.790	0.905	1.245	0.966	0.967		11.0	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.01	1882.50	376500	CP-OFDM	0.0	11.80	10.81	1	1	Back	0	0.798	0.903	1.256	0.965	0.981		10.9	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.12	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.86	1	1	Top	0	0.899	0.904	1.242	0.951	0.905		10.8	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.12	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.91	108	0	Top	0	0.898	0.903	1.227	0.950	0.904		10.9	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.86	1	1	Bottom	0	0.993	0.914	1.242	0.737	0.291		12.1	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.91	108	0	Bottom	0	0.904	0.907	1.227	0.680	0.254		12.3	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.14	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.86	1	1	Right	0	0.923	0.910	1.242	0.929	0.912		26.2	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.91	108	0	Right	0	0.923	0.911	1.227	0.928	0.913		26.3	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.96	1	1	Left	0	0.985	0.919	1.242	0.958	0.924		23.1	
Body	NR Band n25	40	QPSK	1b	YHC0K	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	11.80	10.91	108	0	Left	0	0.945	0.919	1.227	0.955	0.923		23.4	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body							
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							

Table 10-66 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.61	1	108	Back	0	0.629	0.781	1.172	0.717	0.329		14.6	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.57	108	0	Back	0	0.650	0.289	1.183	0.769	0.342		14.4	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.49	216	0	Back	0	0.634	0.283	1.205	0.764	0.341		14.5	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.61	1	108	Top	0	0.608	0.603	1.172	0.609	0.004		13.6	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.57	108	0	Top	0	0.610	0.605	1.185	0.612	0.005		12.6	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.61	1	108	Bottom	0	0.504	0.220	1.172	0.591	0.258		15.6	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.57	108	0	Bottom	0	0.449	0.196	1.183	0.531	0.232		16.0	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.46	1	108	Right	0	0.792	0.291	1.172	0.928	0.341		13.6	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.57	108	0	Right	0	0.838	0.306	1.183	0.991	0.362		13.3	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.49	216	0	Right	0	0.806	0.293	1.205	0.971	0.353		13.4	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.01	1882.50	376500	CP-OFDM	0.0	14.30	13.56	1	1	Right	0	0.817	0.304	1.186	0.998	0.361		13.3	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.61	1	108	Left	0	0.603	0.601	1.172	0.604	0.003		17.8	
Body	NR Band n25	40	QPSK	2	F97Q4	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	14.30	13.57	108	0	Left	0	0.603	0.601	1.183	0.604	0.001		17.8	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body							
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							

Table 10-67 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	3b	59191	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.72	1	108	Back	0	0.817	0.344	1.117	0.915	0.184		12.5	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.73	108	108	Back	0	0.793	0.330	1.114	0.883	0.168		12.7	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.64	216	0	Back	0	0.811	0.338	1.138	0.923	0.385		12.6	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.01	1882.50	376500	CP-OFDM	0.0	13.20	12.67	1	1	Back	0	0.879	0.367	1.130	0.993	0.415	A23	12.2	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.04	1882.50	376500	CP-OFDM	0.0	13.20	12.72	1	1	Back	0	0.879	0.367	1.130	0.993	0.415		12.2	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.72	1	108	Top	0	0.807	0.314	1.117	0.901	0.351		12.6	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.73	108	108	Top	0	0.813	0.309	1.114	0.906	0.344		12.6	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.64	216	0	Top	0	0.812	0.316	1.138	0.924	0.360		12.5	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.72	1	108	Bottom	0	0.604	0.002	1.117	0.004	0.002		12.7	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.73	108	108	Bottom	0	0.607	0.003	1.114	0.008	0.003		12.7	
Body	NR Band n25	40	QPSK	3b	59191	1:1	-0.03	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.72	1	108	Right	0	0.981	0.034	1.117	0.999	0.038		22.6	
Body	NR Band n25	40	QPSK	3b	59191	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.73	108	108	Right	0	0.976	0.012	1.114	0.995	0.036		22.9	
Body	NR Band n25	40	QPSK	3b	59191	1:1	-0.06	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.72	1	108	Left	0	0.928	0.014	1.117	0.931	0.016		27.2	
Body	NR Band n25	40	QPSK	3b	59191	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	13.20	12.73	108	108	Left	0	0.926	0.012	1.114	0.929	0.013		27.6	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body							
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							

Note: Blue entry represents variability measurement

Table 10-68 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.85	1	1	Back	0	0.544	0.257	1.216	0.662	0.313		14.5	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.91	108	0	Back	0	0.558	0.260	1.199	0.669	0.312		14.4	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.91	108	1	Top	0	0.560	0.260	1.199	0.669	0.312		14.4	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.91	108	1	Top	0	0.515	0.212	1.199	0.617	0.254		14.8	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.05	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.85	1	1	Bottom	0	0.005	0.002	1.216	0.006	0.002		14.8	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.10	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.91	108	0	Bottom	0	0.004	0.002	1.199	0.005	0.002		15.9	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.85	1	1	Right	0	0.002	0.000	1.216	0.002	0.000		15.8	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.91	108	0	Right	0	0.003	0.001	1.199	0.004	0.001		17.1	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.85	1	1	Left	0	0.724	0.272	1.216	0.880	0.331		13.2	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.05	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.91	108	0	Left	0	0.728	0.275	1.199	0.879	0.330		13.3	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	13.70	12.83	116	0	Left	0	0.705	0.283	1.222	0.935	0.346		13.0	
Body	NR Band n25	40	QPSK	4	7QYRL	1:1	0.01	1882.50	376500	CP-OFDM	0.0	13.70	12.90	1	1	Left	0	0.709	0.267	1.202	0.852	0.321		13.4	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																									
Spatial Peak																		Body						1.6 W/kg (mW/g)	
Uncontrolled Exposure/General Population																									
averaged over 1 gram																									

10.24 NR Band n30 Standalone SAR

Table 10-69 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.93	1	50	Back	0	0.676	0.243	1.222	0.826	0.297		12.6	12.6
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.89	25	14	Back	0	0.853	0.235	1.223	0.805	0.290		12.7	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.85	50	0	Back	0	0.647	0.234	1.245	0.806	0.291		12.7	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	-0.04	2310.00	462000	CP-OFDM	0.0	12.80	11.97	1	1	Back	0	0.899	0.247	1.211	0.796	0.287		12.8	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	0.18	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.93	1	50	Top	0	0.000	0.000	1.222	0.000	0.000		50.9	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.89	25	14	Top	0	0.000	0.000	1.231	0.000	0.000		50.9	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	-0.04	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.93	1	50	Bottom	0	0.588	0.201	1.222	0.719	0.246		13.2	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	-0.11	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.89	25	14	Bottom	0	0.565	0.191	1.233	0.697	0.236		13.4	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.93	1	50	Right	0	0.018	0.007	1.222	0.022	0.009		28.4	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.89	25	14	Right	0	0.019	0.008	1.233	0.023	0.010		28.1	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	-0.20	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.93	1	50	Left	0	0.025	0.011	1.222	0.031	0.013		26.9	
Body	NR Band n30	10	QPSK	1b	7PU07	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	12.80	11.89	25	14	Left	0	0.027	0.012	1.233	0.033	0.015		26.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-70 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.86	1	50	Back	0	0.738	0.303	1.271	0.938	0.385		12.2	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.78	25	27	Back	0	0.713	0.284	1.294	0.923	0.380		12.2	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.60	50	0	Back	0	0.727	0.300	1.349	0.981	0.405		12.0	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	-0.01	2310.00	462000	CP-OFDM	0.0	12.90	11.75	1	1	Back	0	0.732	0.300	1.303	0.954	0.391		12.1	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.86	1	50	Top	0	0.000	0.000	1.271	0.000	0.000		50.8	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.78	25	27	Top	0	0.000	0.000	1.294	0.000	0.000		50.8	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.86	1	50	Bottom	0	0.496	0.187	1.271	0.630	0.238		13.9	12.0
Body	NR Band n30	10	QPSK	2	6H93L	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.78	25	27	Bottom	0	0.494	0.184	1.294	0.639	0.238		13.8	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.86	1	50	Right	0	0.668	0.252	1.271	0.849	0.320		12.6	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.78	25	27	Right	0	0.665	0.251	1.294	0.861	0.325		12.5	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.60	50	0	Right	0	0.677	0.255	1.349	0.913	0.344		12.3	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.86	1	50	Left	0	0.000	0.000	1.271	0.000	0.000		50.8	
Body	NR Band n30	10	QPSK	2	6H93L	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	12.90	11.78	25	27	Left	0	0.000	0.000	1.294	0.000	0.000		50.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-71 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.70	1	1	Back	0	0.803	0.306	1.230	0.988	0.376	A24	13.6	13.6
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.70	1	1	Back	0	0.771	0.288	1.230	0.960	0.363		13.8	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.69	25	27	Back	0	0.756	0.286	1.233	0.912	0.355		13.9	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.64	50	0	Back	0	0.757	0.287	1.247	0.941	0.358		13.8	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	0.00	2310.00	462000	CP-OFDM	0.0	14.60	13.73	1	1	Back	0	0.783	0.298	1.222	0.957	0.364		13.8	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.70	1	1	Top	0	0.762	0.274	1.230	0.937	0.337		13.9	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.69	25	27	Top	0	0.734	0.263	1.233	0.905	0.324		14.0	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.64	50	0	Top	0	0.745	0.268	1.247	0.929	0.334		13.9	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.70	1	1	Bottom	0	0.000	0.000	1.230	0.000	0.000		52.7	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.04	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.69	25	27	Bottom	0	0.000	0.000	1.233	0.000	0.000		52.7	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.04	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.70	1	1	Right	0	0.029	0.014	1.230	0.036	0.017		28.1	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.69	25	27	Right	0	0.052	0.020	1.233	0.064	0.025		25.5	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	-0.18	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.70	1	1	Left	0	0.057	0.023	1.230	0.070	0.028		25.1	
Body	NR Band n30	10	QPSK	3b	4RG06	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	14.60	13.69	25	27	Left	0	0.093	0.029	1.233	0.115	0.036		23.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak																		Body 1.6 W/kg (mW/g) averaged over 1 gram							
Uncontrolled Exposure/General Population																									

Note: Blue entry represents variability measurement

Table 10-72 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.09	1	26	Back	0	0.556	0.225	1.384	0.770	0.311		13.6	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.08	25	14	Back	0	0.564	0.232	1.387	0.782	0.322		13.5	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.06	50	0	Back	0	0.586	0.232	1.393	0.816	0.323		13.4	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.09	1	26	Top	0	0.345	0.129	1.384	0.479	0.179		15.7	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	-0.10	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.08	25	14	Top	0	0.345	0.127	1.387	0.479	0.176		15.7	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.09	1	26	Bottom	0	0.000	0.000	1.384	0.000	0.000		51.1	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.08	25	14	Bottom	0	0.000	0.000	1.387	0.000	0.000		51.1	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.09	1	26	Right	0	0.000	0.000	1.384	0.000	0.000		51.1	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.08	25	14	Right	0	0.000	0.000	1.387	0.000	0.000		51.1	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.09	1	26	Left	0	0.445	0.248	1.384	0.894	0.343		13.0	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.08	25	14	Left	0	0.543	0.205	1.387	0.753	0.284		13.7	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.50	12.06	50	0	Left	0	0.570	0.213	1.393	0.794	0.297		13.5	
Body	NR Band n30	10	QPSK	4	DD0YX	1:1	-0.01	2310.00	462000	CP-OFDM	0.0	13.50	11.97	1	1	Left	0	0.954	0.210	1.422	0.788	0.299		13.5	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

10.25 NR Band n7 Standalone SAR

Table 10-73 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.52	1	108	Back	0	0.802	0.267	1.042	0.836	0.278		12.5	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.53	108	0	Back	0	0.806	0.272	1.040	0.838	0.283		12.4	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.51	216	0	Back	0	0.839	0.277	1.045	0.877	0.289		12.3	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.05	2535.00	507000	CP-OFDM	0.0	12.70	12.44	1	1	Back	0	0.934	0.305	1.062	0.992	0.324	A25	11.7	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.13	2535.00	507000	CP-OFDM	0.0	12.70	12.46	1	1	Back	0	0.785	0.285	1.050	0.979	0.320		11.8	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.52	1	108	Top	0	0.002	0.000	1.042	0.002	0.000		88.5	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.53	108	0	Top	0	0.004	0.000	1.040	0.004	0.000		35.5	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.52	1	108	Bottom	0	0.824	0.259	1.042	0.859	0.270		12.3	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.53	108	0	Bottom	0	0.826	0.260	1.040	0.859	0.270		12.3	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.51	216	0	Bottom	0	0.820	0.257	1.045	0.857	0.269		12.4	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.02	2535.00	507000	CP-OFDM	0.0	12.70	12.44	1	1	Bottom	0	0.824	0.260	1.062	0.875	0.276		12.3	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.52	1	108	Right	0	0.023	0.009	1.042	0.024	0.009		27.9	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.13	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.53	108	0	Right	0	0.022	0.008	1.040	0.023	0.008		28.1	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	-0.06	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.52	1	108	Left	0	0.029	0.011	1.042	0.030	0.011		26.9	
Body	NR Band n7	40	QPSK	1b	NMVT3	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	12.70	12.53	108	0	Left	0	0.021	0.011	1.040	0.022	0.011		26.6	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																			Body						
Spatial Peak																			1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																			averaged over 1 gram						

Note: Blue entry represents variability measurement

Table 10-74 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.39	1	214	Back	0	0.687	0.249	1.384	0.951	0.345		12.0	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.40	108	108	Back	0	0.694	0.254	1.380	0.958	0.351		12.0	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.31	216	0	Back	0	0.680	0.251	1.409	0.958	0.354		12.0	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.03	2535.00	507000	CP-OFDM	0.0	12.80	11.23	1	1	Back	0	0.690	0.258	1.435	0.986	0.370		11.9	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.39	1	214	Top	0	0.002	0.000	1.384	0.003	0.000		37.4	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.40	108	108	Top	0	0.000	0.000	1.380	0.000	0.000		38.0	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.39	1	214	Bottom	0	0.697	0.256	1.384	0.952	0.348		13.1	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.40	108	108	Bottom	0	0.521	0.183	1.380	0.719	0.253		13.2	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.39	1	214	Right	0	0.569	0.191	1.384	0.787	0.254		12.8	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.40	108	108	Right	0	0.571	0.192	1.380	0.788	0.265		12.8	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.20	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.39	1	214	Left	0	0.007	0.002	1.384	0.010	0.003		31.9	
Body	NR Band n7	40	QPSK	2	NMVT3	1:1	0.11	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.40	108	108	Left	0	0.005	0.001	1.380	0.007	0.003		33.4	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																			Body						
Spatial Peak																			1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																			averaged over 1 gram						

Table 10-75 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.73	1	1	Back	0	0.503	0.181	1.250	0.629	0.226		14.7	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	-0.07	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.76	108	0	Back	0	0.493	0.177	1.242	0.612	0.220		14.8	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.73	1	1	Top	0	0.622	0.209	1.250	0.778	0.265		13.8	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.76	108	0	Top	0	0.702	0.232	1.242	0.872	0.288		13.3	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.68	216	0	Top	0	0.700	0.233	1.265	0.886	0.295		13.2	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	-0.02	2535.00	507000	CP-OFDM	0.0	13.70	12.55	1	1	Top	0	0.712	0.235	1.305	0.928	0.305		13.0	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.73	1	1	Bottom	0	0.000	0.000	1.250	0.000	0.000		51.7	13.0
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.76	108	0	Bottom	0	0.000	0.000	1.242	0.000	0.000		51.7	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.73	1	1	Right	0	0.023	0.008	1.250	0.029	0.011		28.1	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.76	108	0	Right	0	0.024	0.009	1.242	0.030	0.011		27.9	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.73	1	1	Left	0	0.020	0.008	1.250	0.025	0.010		28.7	
Body	NR Band n7	40	QPSK	3b	42H4LG	1:1	-0.21	2535.00	507000	DFT-s-OFDM	0.0	13.70	12.76	108	0	Left	0	0.023	0.009	1.242	0.029	0.011		28.1	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																			Body						
Spatial Peak																			1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																			averaged over 1 gram						

Table 10-76 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.42	1	214	Back	0	0.734	0.260	1.253	0.920	0.326		10.7	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.45	108	108	Back	0	0.733	0.262	1.245	0.913	0.326		10.8	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.37	216	0	Back	0	0.694	0.247	1.260	0.880	0.313		10.9	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.00	2535.00	507000	CP-OFDM	0.0	11.40	10.50	1	1	Back	0	0.732	0.259	1.230	0.831	0.294		11.2	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.06	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.41	1	214	Top	0	0.396	0.136	1.253	0.496	0.170		13.4	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.45	108	108	Top	0	0.404	0.139	1.245	0.509	0.173		13.4	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.42	1	214	Bottom	0	0.393	0.135	1.253	0.490	0.169		49.4	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.45	108	108	Bottom	0	0.000	0.000	1.245	0.000	0.000		49.4	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.42	1	214	Right	0	0.002	0.000	1.253	0.003	0.000		36.4	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.40	108	108	Right	0	0.000	0.000	1.245	0.000	0.000		36.4	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.42	1	214	Left	0	0.495	0.166	1.253	0.620	0.208		12.5	
Body	NR Band n7	40	QPSK	4	42H4LG	1:1	-0.07	2535.00	507000	DFT-s-OFDM	0.0	11.40	10.45	108	108	Left	0	0.515	0.171	1.245	0.641	0.213		12.3	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

10.26 NR Band n41 Standalone SAR

Table 10-77 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	0.00	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.67	1	1	Back	0	0.722	0.239	1.079	0.779	0.258	12.1		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.14	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.74	135	0	Back	0	0.791	0.252	1.062	0.840	0.272	11.7		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.07	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.65	270	0	Back	0	0.779	0.246	1.084	0.844	0.267	11.7		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	0.03	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.67	1	1	Top	0	0.801	0.000	1.079	0.801	0.000	60.7		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	0.03	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.74	135	0	Top	0	0.800	0.000	1.062	0.800	0.000	60.7		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.02	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.67	1	1	Bottom	0	0.879	0.263	1.079	0.948	0.284	11.2		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.06	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.74	135	0	Bottom	0	0.878	0.261	1.062	0.932	0.277	11.3		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.02	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.65	270	0	Bottom	0	0.887	0.263	1.084	0.956	0.285	11.2		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.15	2592.99	S18598	CP-OFDM	0.0	12.00	11.63	1	1	Bottom	0	0.828	0.246	1.080	0.902	0.268	11.4		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	0.01	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.67	1	1	Right	0	0.000	0.000	1.079	0.000	0.000	60.7		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.16	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.74	135	0	Right	0	0.000	0.008	1.062	0.021	0.008	27.7		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	0.07	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.67	1	1	Left	0	0.035	0.013	1.079	0.038	0.014	25.2		
Body	NR Band n41	100	QPSK	1b	7NC02	1:1	-0.01	2592.99	S18598	DFT-s-OFDM	0.0	12.00	11.74	135	0	Left	0	0.635	0.013	1.062	0.637	0.014	25.3		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak																		Body 1.6 W/kg (mW/g) averaged over 1 gram							
Uncontrolled Exposure/General Population																									

Table 10-78 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.06	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.74	1	271	Back	0	0.703	0.255	1.138	0.800	0.290	12.3		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.13	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.67	135	138	Back	0	0.644	0.239	1.156	0.744	0.276	12.6		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	0.02	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.66	270	0	Back	0	0.726	0.260	1.159	0.841	0.301	12.0		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	0.08	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.74	1	271	Top	0	0.000	0.000	1.138	0.000	0.000	60.7		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	0.05	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.67	135	138	Top	0	0.003	0.000	1.156	0.003	0.000	61.9		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.08	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.74	1	271	Bottom	0	0.719	0.232	1.138	0.818	0.264	12.2		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.07	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.67	135	138	Bottom	0	0.604	0.192	1.156	0.698	0.222	12.8		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.07	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.66	270	0	Bottom	0	0.581	0.190	1.159	0.673	0.220	13.0		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	0.01	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.74	1	271	Right	0	0.814	0.251	1.138	0.926	0.286	11.6		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.01	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.67	135	138	Right	0	0.719	0.226	1.156	0.831	0.261	12.1		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.11	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.66	270	0	Right	0	0.602	0.200	1.159	0.698	0.232	12.8		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	-0.11	2592.99	S18598	CP-OFDM	0.0	12.20	11.71	1	1	Right	0	0.601	0.200	1.146	0.689	0.229	12.9		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	0.08	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.74	1	271	Left	0	0.006	0.002	1.138	0.007	0.002	32.9		
Body	NR Band n41	100	QPSK	2	L11NF	1:1	0.02	2592.99	S18598	DFT-s-OFDM	0.0	12.20	11.67	135	138	Left	0	0.000	0.000	1.156	0.000	0.000	60.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-79 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	-0.04	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.92	1	137	Back	0	0.632	0.213	1.019	0.644	0.217	13.9		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.09	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.96	135	69	Back	0	0.618	0.208	1.009	0.624	0.210	14.0		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	-0.03	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.90	270	0	Back	0	0.628	0.212	1.023	0.642	0.217	13.9		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.05	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.92	1	137	Top	0	0.780	0.242	1.019	0.795	0.247	13.0		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	-0.03	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.96	135	69	Top	0	0.814	0.251	1.009	0.821	0.253	12.8		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	-0.03	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.90	270	0	Top	0	0.772	0.238	1.023	0.790	0.243	13.0		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.10	2592.99	S18598	CP-OFDM	0.0	13.00	12.77	1	1	Top	0	0.896	0.286	1.054	0.944	0.301	A26	12.2	
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.09	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.92	1	137	Bottom	0	0.000	0.000	1.019	0.000	0.000	61.9		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.01	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.96	135	69	Bottom	0	0.000	0.000	1.009	0.000	0.000	61.9		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	-0.12	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.92	1	137	Right	0	0.028	0.011	1.019	0.029	0.011	27.4		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	-0.06	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.96	135	69	Right	0	0.027	0.011	1.009	0.027	0.011	27.6		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.07	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.92	1	137	Left	0	0.007	0.003	1.019	0.007	0.003	33.4		
Body	NR Band n41	100	QPSK	3b	7NC02	1:1	0.03	2592.99	S18598	DFT-s-OFDM	0.0	13.00	12.96	135	69	Left	0	0.013	0.005	1.009	0.013	0.005	30.8		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-80 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	-0.01	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.28	1	137	Back	0	0.767	0.240	1.294	0.992	0.336	10.4		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	-0.04	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.31	135	69	Back	0	0.766	0.219	1.285	0.984	0.313	10.4		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.01	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.28	270	0	Back	0	0.726	0.148	1.300	0.944	0.312	10.6		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.00	2592.99	S18598	CP-OFDM	0.0	11.40	10.17	1	1	Back	0	0.760	0.212	1.327	0.982	0.334	10.5		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	-0.03	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.28	1	137	Top	0	0.451	0.149	1.294	0.584	0.193	12.7		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	-0.05	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.31	135	69	Top	0	0.444	0.147	1.285	0.571	0.189	12.8		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.06	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.29	1	137	Bottom	0	0.003	0.000	1.294	0.004	0.000	34.5		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.04	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.28	1	137	Right	0	0.003	0.000	1.294	0.004	0.000	34.5		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.05	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.29	1	137	Right	0	0.006	0.002	1.294	0.008	0.003	31.5		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.06	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.29	1	137	Right	0	0.006	0.002	1.294	0.008	0.003	31.5		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	-0.31	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.29	1	137	Left	0	0.509	0.181	1.294	0.736	0.234	11.7		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.10	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.31	135	69	Left	0	0.528	0.183	1.285	0.743	0.233	11.7		
Body	NR Band n41	100	QPSK	4	4L6AM	1:1	0.00	2592.99	S18598	DFT-s-OFDM	0.0	11.40	10.28	270	0	Left	0	0.589	0.182	1.300	0.767	0.232	11.8		
ANSI/IEEE C63.1-1997 - SAFETY LIMIT																		Body							
Sustained Peak																		1.6 W/kg (avg over 10 min)							
Uncontrolled Exposure/General Population																		0.08 W/kg (avg over 30 min)							

10.27 NR Band n48 Standalone SAR

Table 10-81 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.06	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.01	1	53	Back	0	0.713	0.210	1.119	0.798	0.225	9.5		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.02	3624.99	641666	DFT-s-OFDM	0.0	9.50	8.92	1	1	Back	0	0.641	0.191	1.143	0.733	0.218	9.8		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	9.50	8.86	1	1	Back	0	0.675	0.201	1.159	0.782	0.233	9.8		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.04	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.95	50	0	Back	0	0.727	0.212	1.135	0.825	0.241	9.3		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.04	3624.99	641666	DFT-s-OFDM	0.0	9.50	8.93	50	0	Back	0	0.685	0.203	1.140	0.792	0.235	9.5		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.06	3679.98	645332	DFT-s-OFDM	0.0	9.50	8.79	50	28	Back	0	0.697	0.206	1.178	0.821	0.243	9.3		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.94	100	0	Back	0	0.657	0.195	1.138	0.748	0.222	9.7		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.08	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.01	1	53	Top	0	0.905	0.000	1.119	0.005	0.000	11.0		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.12	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.95	50	0	Top	0	0.004	0.000	1.135	0.005	0.000	11.9		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.03	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.01	1	53	Bottom	0	0.267	0.009	1.119	0.299	0.077	13.7		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.02	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.95	50	0	Bottom	0	0.249	0.009	1.135	0.305	0.078	13.6		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.06	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.01	1	53	Right	0	0.000	0.000	1.119	0.000	0.000	48.0		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.12	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.95	50	0	Right	0	0.000	0.000	1.135	0.000	0.000	47.9		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.01	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.01	1	53	Left	0	0.783	0.210	1.119	0.876	0.235	9.1		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.15	3624.99	641666	DFT-s-OFDM	0.0	9.50	8.92	1	1	Left	0	0.825	0.222	1.142	0.942	0.254	8.7		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	9.50	8.80	1	1	Left	0	0.839	0.218	1.159	0.972	0.253	8.6		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.95	50	0	Left	0	0.786	0.212	1.135	0.882	0.241	9.0		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.16	3624.99	641666	DFT-s-OFDM	0.0	9.50	8.93	50	0	Left	0	0.805	0.213	1.140	0.918	0.249	8.9		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	9.50	8.79	50	28	Left	0	0.828	0.216	1.178	0.975	0.254	8.6		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	0.20	3570.00	638000	DFT-s-OFDM	0.0	9.50	8.94	100	0	Left	0	0.782	0.211	1.138	0.890	0.240	9.0		
Body	NR Band n48	40	QPSK	1a	CN949	1:1	-0.02	3624.99	641666	CF-OFDM	0.0	9.50	9.05	1	1	Left	0	0.753	0.202	1.109	0.835	0.224	9.3		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																				Body					
Spatial Peak																				1.6 W/kg (mW/g)					
Uncontrolled Exposure/General Population																				averaged over 1 gram					

Table 10-82 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.79	1	53	Back	0	0.722	0.222	1.002	0.723	0.222	11.2		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	10.80	10.73	1	104	Back	0	0.824	0.246	1.064	0.825	0.246	10.8		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	-0.08	3679.98	645332	DFT-s-OFDM	0.0	10.80	10.75	1	53	Back	0	0.898	0.274	1.057	0.899	0.274	A27		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.00	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.75	50	0	Back	0	0.717	0.219	1.012	0.716	0.222	11.2		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	10.80	10.78	50	0	Back	0	0.848	0.253	1.050	0.851	0.256	10.3		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.02	3679.98	645332	DFT-s-OFDM	0.0	10.80	10.64	50	0	Back	0	0.912	0.266	1.038	0.947	0.276	10.0		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.73	100	0	Back	0	0.716	0.220	1.016	0.727	0.224	11.2		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	-0.08	3624.99	641666	CF-OFDM	0.0	10.80	10.76	1	1	Back	0	0.811	0.216	1.009	0.818	0.218	10.7		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	-0.05	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.78	1	53	Top	0	0.005	0.000	1.002	0.005	0.000	35.0		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.07	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.75	50	0	Top	0	0.003	0.000	1.012	0.003	0.000	32.0		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.07	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.78	1	53	Bottom	0	0.329	0.089	1.002	0.330	0.089	14.6		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.75	50	0	Bottom	0	0.332	0.091	1.012	0.336	0.092	14.5		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	-0.06	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.79	1	53	Right	0	0.380	0.099	1.002	0.381	0.099	14.0		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.04	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.79	50	0	Right	0	0.373	0.098	1.012	0.377	0.099	14.0		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.04	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.79	1	53	Left	0	0.000	0.000	1.002	0.000	0.000	49.8		
Body	NR Band n48	40	QPSK	2	GM25K	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	10.80	10.75	50	0	Left	0	0.000	0.000	1.012	0.000	0.000	49.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																				Body					
Spatial Peak																				1.6 W/kg (mW/g)					
Uncontrolled Exposure/General Population																				averaged over 1 gram					

Table 10-83 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimt [dBm]	Overall Plimt [dBm]
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.02	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.24	1	104	Back	0	0.488	0.154	1.062	0.518	0.164	11.3		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.19	50	28	Back	0	0.490	0.151	1.074	0.526	0.162	11.3		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.01	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.24	1	104	Top	0	0.300	0.081	1.062	0.319	0.088	11.4		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.19	50	28	Top	0	0.303	0.084	1.074	0.325	0.090	11.4		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.04	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.24	1	104	Bottom	0	0.000	0.000	1.062	0.000	0.000	48.2		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.06	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.19	50	28	Bottom	0	0.000	0.000	1.074	0.000	0.000	48.2		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.24	1	104	Right	0	0.812	0.222	1.062	0.884	0.236	9.0		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.05	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.15	1	104	Right	0	0.315	0.117	1.062	0.366	0.236	9.1		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.07	3624.99	641666	DFT-s-OFDM	0.0	9.50	8.87	1	104	Right	0	0.767	0.202	1.156	0.867	0.234	9.0	9.0	
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.02	3679.98	645332	DFT-s-OFDM	0.0	9.50	8.89	1	104	Right	0	0.743	0.194	1.125	0.836	0.218	9.1		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.11	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.19	50	28	Right	0	0.829	0.225	1.074	0.880	0.242	9.0		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.04	3624.99	641666	DFT-s-OFDM	0.0	9.50	8.93	50	0	Right	0	0.745	0.198	1.140	0.849	0.226	9.2		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	-0.09	3679.98	645332	DFT-s-OFDM	0.0	9.50	8.78	50	28	Right	0	0.702	0.182	1.180	0.828	0.215	9.1		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.05	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.08	100	0	Right	0	0.811	0.218	1.102	0.894	0.240	9.0		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	9.50	9.07	100	0	Right	0	0.807	0.216	1.102	0.892	0.240	9.4		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.08	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.24	1	104	Left	0	0.000	0.000	1.062	0.000	0.000	48.2		
Body	NR Band n48	40	QPSK	3a	DTQHX	1:1	0.03	3570.00	638000	DFT-s-OFDM	0.0	9.50	9.19	50	28	Left	0	0.000	0.000	1.074	0.000	0.000	48.2		
ANSI/IEEE C63.1.1-1992 - SAFETY LIMIT																									
Spatial Peak																									
Uncontrolled Exposure/General Population																									
																		Body							
																		1.6 W/kg (mW/g)							
																		averaged over 1 gram							

10.28 NR Band n77 Standalone SAR

Table 10-85 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.29	1	137	Back	0	0.795	0.229	1.089	0.866	0.249	9.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.07	3930.00	662000	DFT-s-OFDM	0.0	9.60	9.93	1	1	Back	0	0.525	0.148	1.167	0.613	0.173	10.7		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.06	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.19	135	69	Back	0	0.787	0.227	1.099	0.865	0.249	9.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.07	3930.00	662000	DFT-s-OFDM	0.0	9.60	9.03	135	0	Back	0	0.494	0.139	1.140	0.563	0.158	11.1		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.07	270	0	Back	0	0.766	0.221	1.130	0.866	0.250	9.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.03	3930.00	662000	CP-OFDM	0.0	9.60	9.12	1	1	Back	0	0.528	0.149	1.117	0.590	0.166	10.9		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.23	1	137	Top	0	0.000	0.000	1.089	0.000	0.000	48.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.19	135	69	Top	0	0.000	0.000	1.099	0.000	0.000	48.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.05	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.23	1	137	Bottom	0	0.288	0.074	1.089	0.114	0.081	13.6	9.2	
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.19	135	69	Bottom	0	0.280	0.072	1.099	0.308	0.079	13.7		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	0.08	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.23	1	137	Right	0	0.000	0.000	1.089	0.000	0.000	48.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.15	135	69	Right	0	0.000	0.000	1.099	0.000	0.000	48.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	0.07	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.20	1	137	Left	0	0.779	0.205	1.089	0.848	0.223	9.3		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	9.60	9.93	1	1	Left	0	0.593	0.151	1.167	0.692	0.176	10.2		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.07	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.19	135	69	Left	0	0.762	0.200	1.099	0.837	0.220	9.4		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.05	3930.00	662000	DFT-s-OFDM	0.0	9.60	9.03	135	0	Left	0	0.589	0.150	1.140	0.671	0.171	10.3		
Body	NR Band n77	100	QPSK	1a	L1INF	1:1	-0.01	3750.00	650000	DFT-s-OFDM	0.0	9.60	9.07	270	0	Left	0	0.757	0.195	1.130	0.855	0.220	9.3		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 10-86 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.04	3750.00	650000	DFT-s-OFDM	0.0	11.30	10.84	1	1	Back	0	0.884	0.262	1.112	0.983	0.291	10.4		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.18	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.86	1	1	Back	0	0.746	0.227	1.107	0.826	0.251	11.1		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.00	3750.00	650000	DFT-s-OFDM	0.0	11.30	10.14	135	0	Back	0	0.806	0.242	1.138	0.917	0.275	10.7		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.03	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.80	135	0	Back	0	0.760	0.231	1.122	0.853	0.259	11.0		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	-0.12	3750.00	650000	DFT-s-OFDM	0.0	11.30	10.18	270	0	Back	0	0.823	0.248	1.153	0.949	0.286	10.5		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.02	3930.00	662000	CP-OFDM	0.0	11.30	10.85	1	1	Back	0	0.780	0.236	1.109	0.865	0.262	10.9		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.08	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.86	1	1	Top	0	0.009	0.000	1.107	0.010	0.000	30.3		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.02	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.80	135	0	Top	0	0.008	0.000	1.122	0.009	0.000	30.8		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.86	1	1	Bottom	0	0.245	0.059	1.107	0.271	0.065	15.9	10.4	
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.03	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.80	135	0	Bottom	0	0.229	0.064	1.122	0.257	0.061	16.2		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	-0.10	3750.00	650000	DFT-s-OFDM	0.0	11.30	10.84	1	1	Right	0	0.455	0.118	1.112	0.506	0.131	13.2		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	-0.08	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.86	1	1	Right	0	0.559	0.144	1.107	0.619	0.159	12.4		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.06	3750.00	650000	DFT-s-OFDM	0.0	11.30	10.14	135	0	Right	0	0.465	0.122	1.138	0.529	0.139	13.0		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	-0.03	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.80	135	0	Right	0	0.559	0.143	1.122	0.627	0.160	12.3		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	11.30	10.18	270	0	Right	0	0.481	0.125	1.153	0.555	0.144	12.8		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.09	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.86	1	1	Left	0	0.001	0.000	1.107	0.001	0.000	39.8		
Body	NR Band n77	100	QPSK	2	V99SV	1:1	0.00	3930.00	662000	DFT-s-OFDM	0.0	11.30	10.80	135	0	Left	0	0.002	0.000	1.122	0.002	0.000	36.8		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 10-87 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Limit [dBm]	Overall Limit [dBm]
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.00	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.89	1	137	Back	0	0.227	0.067	1.205	0.274	0.081	13.3		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.04	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.86	135	0	Back	0	0.218	0.064	1.213	0.264	0.078	13.5		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.89	1	137	Top	0	0.112	0.028	1.205	0.135	0.034	16.4		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	-0.16	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.86	135	0	Top	0	0.127	0.033	1.213	0.154	0.040	15.8		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.05	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.89	1	137	Bottom	0	0.000	0.000	1.205	0.000	0.000	46.9		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.06	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.86	135	0	Bottom	0	0.000	0.000	1.213	0.000	0.000	46.8		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.14	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.89	1	137	Right	0	0.393	0.099	1.205	0.474	0.119	10.9		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	8.70	7.72	1	1	Right	0	0.446	0.114	1.253	0.559	0.143	10.2		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	-0.01	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.86	135	0	Right	0	0.405	0.105	1.213	0.491	0.127	10.8		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.00	3930.00	662000	DFT-s-OFDM	0.0	8.70	7.61	135	0	Right	0	0.424	0.108	1.285	0.545	0.139	10.3		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.00	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.71	270	0	Right	0	0.393	0.101	1.256	0.484	0.127	10.7		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	-0.03	3750.00	650000	CP-OFDM	0.0	8.70	7.66	1	1	Right	0	0.404	0.103	1.271	0.510	0.132	10.6		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.07	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.89	1	137	Left	0	0.000	0.000	1.205	0.000	0.000	46.9		
Body	NR Band n77	100	QPSK	3a	59PC-W	1:1	0.05	3750.00	650000	DFT-s-OFDM	0.0	8.70	7.86	135	0	Left	0	0.000	0.000	1.213	0.000	0.000	46.8		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

10.29 NR Band n77 DoD Standalone SAR

Table 10-89 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	-0.08	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.35	1	271	Back	0	0.605	0.182	1.059	0.641	0.193		10.5	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	-0.02	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.40	135	138	Back	0	0.621	0.185	1.047	0.650	0.194		10.5	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.35	1	271	Top	0	0.000	0.000	1.059	0.000	0.000		48.3	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.04	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.40	135	138	Top	0	0.005	0.000	1.047	0.005	0.000		11.4	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.00	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.35	1	271	Bottom	0	0.236	0.061	1.059	0.250	0.065		14.6	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	-0.07	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.40	135	138	Bottom	0	0.242	0.063	1.047	0.253	0.066		14.5	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.09	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.35	1	271	Right	0	0.000	0.000	1.059	0.000	0.000		48.3	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.40	135	138	Right	0	0.000	0.000	1.047	0.000	0.000		48.4	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	-0.09	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.35	1	271	Left	0	0.710	0.190	1.059	0.732	0.201		9.8	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.08	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.40	135	138	Left	0	0.681	0.188	1.047	0.723	0.197		10.0	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.04	3500.01	633334	DFT-s-OFDM	0.0	9.60	9.48	270	0	Left	0	0.713	0.195	1.076	0.767	0.210		9.7	
Body	NR Band n77 DoD	100	QPSK	1a	L1INF	1:1	0.01	3500.01	633334	CP-OFDM	0.0	9.60	9.11	1	1	Left	0	0.741	0.204	1.119	0.829	0.228		9.4	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-90 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.58	1	1	Back	0	0.778	0.239	1.180	0.918	0.282		10.7	10.5
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	-0.02	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.56	135	0	Back	0	0.751	0.232	1.186	0.891	0.275		10.8	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	-0.01	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.55	270	0	Back	0	0.721	0.223	1.189	0.857	0.265		11.0	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.00	3500.01	633334	CP-OFDM	0.0	11.30	10.55	1	1	Back	0	0.797	0.246	1.189	0.948	0.292	A29	10.5	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.58	1	1	Top	0	0.007	0.000	1.180	0.008	0.000		31.1	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.08	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.56	135	0	Top	0	0.004	0.000	1.186	0.005	0.000		33.5	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.09	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.58	1	1	Bottom	0	0.385	0.108	1.180	0.454	0.127		13.7	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.10	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.56	135	0	Bottom	0	0.385	0.108	1.186	0.457	0.128		13.7	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	-0.05	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.58	1	1	Right	0	0.309	0.083	1.180	0.365	0.098		14.7	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	-0.16	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.56	135	0	Right	0	0.321	0.088	1.186	0.381	0.104		14.5	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	0.08	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.58	1	1	Left	0	0.000	0.000	1.180	0.000	0.000		49.6	
Body	NR Band n77 DoD	100	QPSK	2	V955V	1:1	-0.09	3500.01	633334	DFT-s-OFDM	0.0	11.30	10.56	135	0	Left	0	0.000	0.000	1.186	0.000	0.000		49.5	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 10-91 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	-0.02	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.76	1	1	Back	0	0.348	0.111	1.242	0.432	0.138		11.3	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.73	135	0	Back	0	0.331	0.105	1.250	0.414	0.131		11.5	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	-0.10	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.76	1	1	Top	0	0.213	0.064	1.242	0.289	0.079		13.1	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	-0.16	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.73	135	0	Top	0	0.215	0.059	1.250	0.289	0.074		13.4	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.76	1	1	Bottom	0	0.003	0.000	1.242	0.004	0.000		32.0	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	0.08	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.73	135	0	Bottom	0	0.002	0.000	1.250	0.003	0.000		33.7	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	-0.06	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.76	1	1	Right	0	0.526	0.142	1.242	0.652	0.216		9.5	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	-0.03	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.73	135	0	Right	0	0.505	0.138	1.250	0.631	0.173		9.7	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	0.00	3500.01	633334	CP-OFDM	0.0	8.70	7.65	1	1	Right	0	0.532	0.145	1.274	0.678	0.185		9.4	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	0.02	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.76	1	1	Left	0	0.000	0.000	1.242	0.000	0.000		46.7	
Body	NR Band n77 DoD	100	QPSK	3a	S9PCW	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	8.70	7.73	135	0	Left	0	0.000	0.000	1.250	0.000	0.000		46.7	
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-92 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.06	1	271	Back	0	0.774	0.224	1.033	0.800	0.231		11.2	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.06	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.02	135	0	Back	0	0.672	0.190	1.042	0.700	0.198		11.7	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	-0.03	3500.01	633334	DFT-s-OFDM	0.0	11.20	10.97	270	0	Back	0	0.869	0.200	1.054	0.717	0.211		11.5	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	-0.09	3500.01	633334	CP-OFDM	0.0	11.20	11.11	1	1	Back	0	0.654	0.183	1.021	0.668	0.187		11.9	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.00	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.06	1	271	Top	0	0.355	0.099	1.033	0.367	0.102		14.5	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.17	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.02	135	0	Top	0	0.446	0.127	1.042	0.465	0.132		11.5	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.06	1	271	Bottom	0	0.000	0.000	1.033	0.000	0.000		50.0	11.2
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.03	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.02	135	0	Bottom	0	0.000	0.000	1.042	0.000	0.000		50.0	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.06	1	271	Right	0	0.007	0.000	1.033	0.007	0.000		31.6	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.02	135	0	Right	0	0.003	0.000	1.042	0.003	0.000		32.2	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	-0.06	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.06	1	271	Left	0	0.277	0.072	1.033	0.286	0.074		15.6	
Body	NR Band n77 DoD	100	QPSK	4	4K32C	1:1	-0.11	3500.01	633334	DFT-s-OFDM	0.0	11.20	11.02	135	0	Left	0	0.158	0.041	1.042	0.165	0.043		18.0	
ANS/REK C96.1 1992 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		0.08 W/kg (8 mW/g)							

10.30 2.4 GHz WIFI SISO Standalone SAR

Table 10-93 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	-0.01	2437	6	1	10.50	9.86	Back	0	V1	0.339	0.143	1.159	1.003	0.394	0.166	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	-0.02	2437	6	1	10.50	9.86	Top	0	V1	0.224	0.064	1.159	1.003	0.260	0.074	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	0.09	2437	6	1	10.50	9.86	Bottom	0	V1	0.013	0.005	1.159	1.003	0.015	0.006	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	-0.03	2412	1	1	10.50	9.81	Right	0	V1	0.816	0.265	1.172	1.003	0.959	0.312	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	DDIYX	99.66	-0.13	2437	6	1	10.50	9.70	Right	0	V2	0.897	0.297	1.202	1.003	1.081	0.358	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	-0.13	2437	6	1	10.50	9.86	Right	0	V1	0.993	0.319	1.159	1.003	1.154	0.371	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	0.04	2462	11	1	10.50	9.70	Right	0	V1	0.894	0.288	1.202	1.003	1.078	0.347	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	0.07	2437	6	1	10.50	9.86	Left	0	V1	0.002	0.000	1.159	1.003	0.002	0.000	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	-0.02	2437	6	1	5.50	4.62	Back	0	V1	0.080	0.036	1.225	1.003	0.098	0.044	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	0.03	2437	6	1	5.50	4.62	Top	0	V1	0.056	0.016	1.225	1.003	0.069	0.020	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	6TTVH	99.66	0.08	2437	6	1	5.50	4.62	Right	0	V1	0.244	0.085	1.225	1.003	0.300	0.104	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak														Body 1.6 W/kg (mW/g) averaged over 1 gram								
Uncontrolled Exposure/General Population																						

Table 10-94 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.02	2412	1	1	11.50	10.86	Back	0	V1	0.769	0.287	1.159	1.003	0.804	0.334	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.01	2437	6	1	11.50	10.85	Back	0	V1	0.715	0.275	1.161	1.003	0.833	0.320	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	-0.11	2462	11	1	11.50	10.76	Back	0	V1	0.583	0.224	1.186	1.003	0.694	0.266	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.02	2412	1	1	11.50	10.86	Top	0	V1	0.007	0.003	1.159	1.003	0.008	0.003	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	-0.06	2412	1	1	11.50	10.86	Bottom	0	V1	0.295	0.081	1.159	1.003	0.343	0.094	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.15	2412	1	1	11.50	10.86	Right	0	V1	0.000	0.000	1.159	1.003	0.000	0.000	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.03	2412	1	1	11.50	10.86	Left	0	V1	0.957	0.307	1.159	1.003	1.112	0.357	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	DDIYX	99.66	-0.14	2437	6	1	11.50	10.71	Left	0	V2	0.802	0.279	1.199	1.003	0.964	0.336	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.09	2437	6	1	11.50	10.85	Left	0	V1	0.999	0.319	1.161	1.003	1.183	0.371	A30
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	-0.03	2462	11	1	11.50	10.76	Left	0	V1	0.938	0.300	1.186	1.003	1.116	0.357	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	-0.08	2437	6	1	6.50	5.68	Back	0	V1	0.243	0.081	1.208	1.003	0.294	0.098	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	0.00	2437	6	1	6.50	5.68	Bottom	0	V1	0.077	0.021	1.208	1.003	0.093	0.025	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	6TTVH	99.66	-0.01	2437	6	1	6.50	5.68	Left	0	V1	0.291	0.093	1.208	1.003	0.353	0.113	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak														Body 1.6 W/kg (mW/g) averaged over 1 gram								
Uncontrolled Exposure/General Population																						

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 284 of 387

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10.31 5 GHz WIFI SISO Standalone SAR

Table 10-95 Antenna 5T U-NII-2A

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	V2LHY	95.24	0.08	5290	58	U-NII-2A	29.3	15.25	14.10	Back	0	V2	0.062	0.018	1.303	1.050	0.085	0.025	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	V2LHY	95.24	0.09	5290	58	U-NII-2A	29.3	15.25	14.10	Top	0	V2	0.093	0.058	1.303	1.050	0.084	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	V2LHY	95.24	0.03	5290	58	U-NII-2A	29.3	15.25	14.10	Bottom	0	V2	0.011	0.003	1.303	1.050	0.015	0.004	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	V2LHY	95.24	-0.03	5290	58	U-NII-2A	29.3	15.25	14.10	Right	0	V2	0.865	0.228	1.303	1.050	1.183	0.312	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	CHWLD	95.24	0.02	5290	58	U-NII-2A	29.3	15.25	14.20	Right	0	V1	0.783	0.210	1.274	1.050	1.047	0.281	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	V2LHY	95.24	0.03	5290	58	U-NII-2A	29.3	15.25	14.10	Left	0	V2	0.031	0.003	1.303	1.050	0.045	0.004	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	V2LHY	95.24	0.05	5290	58	U-NII-2A	29.3	10.25	9.11	Right	0	V2	0.216	0.055	1.300	1.050	0.295	0.075	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body						
Spatial Peak																	1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																	averaged over 1 gram						

Table 10-96 Antenna 5T U-NII-2C

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	0.05	5530	106	U-NII-2C	29.3	14.25	13.50	Back	0	V1	0.062	0.016	1.189	1.050	0.077	0.020	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	0.02	5530	106	U-NII-2C	29.3	14.25	13.50	Top	0	V1	0.000	0.000	1.189	1.050	0.000	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	0.01	5530	106	U-NII-2C	29.3	14.25	13.50	Bottom	0	V1	0.005	0.000	1.189	1.050	0.006	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	0.04	5530	106	U-NII-2C	29.3	14.25	13.50	Right	0	V1	0.623	0.215	1.189	1.050	1.189	0.298	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	-0.20	5610	122	U-NII-2C	29.3	14.25	13.17	Right	0	V1	0.878	0.244	1.282	1.050	1.182	0.328	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	VM222	95.24	0.06	5610	122	U-NII-2C	29.3	14.25	13.30	Right	0	V2	0.777	0.205	1.245	1.050	1.016	0.268	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	0.05	5690	138	U-NII-2C	29.3	14.25	13.43	Right	0	V1	0.863	0.240	1.213	1.050	1.099	0.306	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	CHWLD	95.24	0.08	5590	105	U-NII-2C	29.3	14.25	13.50	Left	0	V1	0.014	0.000	1.189	1.050	0.017	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	0.17	5610	122	U-NII-2C	29.3	9.25	8.38	Right	0	V1	0.224	0.056	1.222	1.050	0.287	0.072	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body						
Spatial Peak																	1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																	averaged over 1 gram						

Table 10-97 Antenna 5T U-NII-3

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	0.06	5775	155	U-NII-3	29.3	14.00	13.82	Back	0	V2	0.088	0.026	1.042	1.050	0.096	0.028	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	0.07	5775	155	U-NII-3	29.3	14.00	13.82	Top	0	V2	0.000	0.000	1.042	1.050	0.000	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	0.04	5775	155	U-NII-3	29.3	14.00	13.82	Bottom	0	V2	0.003	0.000	1.042	1.050	0.003	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	0.02	5775	155	U-NII-3	29.3	14.00	13.82	Right	0	V2	1.060	0.289	1.042	1.050	1.182	0.316	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	T2W3M	95.24	-0.13	5775	155	U-NII-3	29.3	14.00	13.80	Right	0	V1	0.070	0.294	1.047	1.050	1.176	0.323	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	-0.15	5775	155	U-NII-3	29.3	14.00	13.85	Right	0	V2	1.385	0.330	1.042	1.050	1.160	0.317	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	0.07	5775	155	U-NII-3	29.3	14.00	13.82	Left	0	V2	0.045	0.020	1.042	1.050	0.049	0.022	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	5T	F97Q4	95.24	0.05	5775	155	U-NII-3	29.3	9.00	7.95	Right	0	V2	0.203	0.052	1.274	1.050	0.272	0.070	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body						
Spatial Peak																	1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																	averaged over 1 gram						

Note: Blue entry represents variability measurement

Table 10-98 Antenna 3b U-NII-2A

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	-0.07	5290	58	U-NII-2A	29.3	10.50	9.40	Back	0	V2	0.593	0.168	1.288	1.050	0.803	0.227	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	-0.06	5290	58	U-NII-2A	29.3	10.50	9.40	Top	0	V2	0.874	0.210	1.288	1.050	1.182	0.284	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	NMVT3	95.24	0.08	5290	58	U-NII-2A	29.3	10.50	9.30	Top	0	V1	0.853	0.206	1.318	1.050	1.180	0.285	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.21	5290	58	U-NII-2A	29.3	10.50	9.40	Bottom	0	V2	0.000	0.000	1.288	1.050	0.000	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	-0.10	5290	58	U-NII-2A	29.3	10.50	9.40	Right	0	V2	0.045	0.010	1.288	1.050	0.061	0.014	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.06	5290	58	U-NII-2A	29.3	10.50	9.40	Left	0	V2	0.047	0.004	1.288	1.050	0.064	0.005	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.09	5290	58	U-NII-2A	29.3	5.50	4.73	Back	0	V2	0.157	0.050	1.194	1.050	0.197	0.063	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.00	5290	58	U-NII-2A	29.3	5.50	4.73	Top	0	V2	0.239	0.058	1.194	1.050	0.300	0.073	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body						
Spatial Peak																	1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																	averaged over 1 gram						

Table 10-99 Antenna 3b U-NII-2C

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.02	5530	106	U-NII-2C	29.3	11.00	10.87	Back	0	V1	0.834	0.283	1.030	1.050	0.902	0.306	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.10	5610	122	U-NII-2C	29.3	11.00	10.80	Back	0	V1	0.764	0.266	1.047	1.050	0.840	0.292	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	-0.01	5690	138	U-NII-2C	29.3	11.00	10.50	Back	0	V1	0.609	0.206	1.122	1.050	0.707	0.243	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.02	5530	106	U-NII-2C	29.3	11.00	10.87	Top	0	V1	1.090	0.281	1.030	1.050	1.179	0.304	A31
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	VM222	95.24	0.00	5530	106	U-NII-2C	29.3	11.00	10.82	Top	0	V2	0.904	0.217	1.042	1.050	0.989	0.237	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.09	5530	106	U-NII-2C	29.3	11.00	10.80	Top	0	V1	1.086	0.285	1.030	1.050	1.179	0.304	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	-0.01	5610	122	U-NII-2C	29.3	11.00	10.80	Top	0	V1	1.060	0.262	1.047	1.050	1.165	0.288	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.09	5690	138	U-NII-2C	29.3	11.00	10.50	Top	0	V1	0.856	0.196	1.122	1.050	1.008	0.231	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.01	5530	106	U-NII-2C	29.3	11.00	10.87	Bottom	0	V1	0.000	0.000	1.030	1.050	0.000	0.000	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.03	5530	106	U-NII-2C	29.3	11.00	10.87	Right	0	V1	0.862	0.012	1.030	1.050	0.089	0.013	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.02	5530	106	U-NII-2C	29.3	11.00	10.87	Left	0	V1	0.075	0.014	1.030	1.050	0.081	0.015	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.08	5690	138	U-NII-2C	29.3	6.00	5.08	Back	0	V1	0.146	0.048	1.236	1.050	0.189	0.062	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	3b	2MGNF	95.24	0.00	5690	138	U-NII-2C	29.3	6.00	5.08	Top	0	V1	0.202	0.043	1.236	1.050	0.262	0.056	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																	Body						
Spatial Peak																	1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																	averaged over 1 gram						

Table 10-100 Antenna 3b U-NII-3

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.08	5775	155	U-NII-3	29.3	12.75	11.40	Back	0	V2	0.514	0.180	1.365	1.050	0.737	0.258	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	DTQHX	95.24	0.13	5775	155	U-NII-3	29.3	12.75	11.00	Top	0	V1	0.620	0.151	1.496	1.050	0.974	0.237	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	-0.10	5775	155	U-NII-3	29.3	12.75	11.40	Top	0	V2	0.612	0.188	1.365	1.050	1.164	0.269	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.09	5775	155	U-NII-3	29.3	12.75	11.40	Bottom	0	V2	0.000	0.000	1.365	1.050	0.000	0.000	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	-0.18	5775	155	U-NII-3	29.3	12.75	11.40	Right	0	V2	0.049	0.005	1.365	1.050	0.070	0.007	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.07	5775	155	U-NII-3	29.3	12.75	11.40	Left	0	V2	0.041	0.001	1.365	1.050	0.059	0.001	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	-0.12	5775	155	U-NII-3	29.3	7.75	6.81	Back	0	V2	0.189	0.066	1.242	1.050	0.246	0.086	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	3b	HHQIP	95.24	0.02	5775	155	U-NII-3	29.3	7.75	6.81	Top	0	V2	0.265	0.060	1.242	1.050	0.346	0.078	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body									
Spatial Peak														1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population														averaged over 1 gram									

Table 10-101 Antenna 1b U-NII-2A

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	0.03	5290	58	U-NII-2A	29.3	9.25	7.68	Back	0	V2	0.782	0.223	1.435	1.050	1.178	0.336	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	6TTVH	95.24	0.07	5290	58	U-NII-2A	29.3	9.25	7.52	Back	0	V1	0.720	0.196	1.489	1.050	1.126	0.306	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	0.01	5290	58	U-NII-2A	29.3	9.25	7.68	Top	0	V2	0.000	0.000	1.435	1.050	0.000	0.000	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	-0.01	5290	58	U-NII-2A	29.3	9.25	7.68	Bottom	0	V2	0.567	0.131	1.435	1.050	0.197	0.000	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	0.07	5290	58	U-NII-2A	29.3	9.25	7.68	Right	0	V2	0.020	0.003	1.435	1.050	0.030	0.005	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	0.03	5290	58	U-NII-2A	29.3	9.25	7.68	Left	0	V2	0.008	0.000	1.435	1.050	0.012	0.000	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	-0.07	5290	58	U-NII-2A	29.3	4.25	3.09	Back	0	V2	0.235	0.067	1.306	1.050	0.322	0.092	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	MRHRC	95.24	0.16	5290	58	U-NII-2A	29.3	4.25	3.09	Bottom	0	V2	0.168	0.038	1.306	1.050	0.230	0.052	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body									
Spatial Peak														1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population														averaged over 1 gram									

Table 10-102 Antenna 1b U-NII-2C

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	0.01	5530	106	U-NII-2C	29.3	8.75	7.39	Back	0	V2	0.809	0.214	1.368	1.050	1.162	0.307	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	GMASK	95.24	0.12	5530	106	U-NII-2C	29.3	8.75	7.13	Back	0	V1	0.759	0.193	1.452	1.050	1.157	0.294	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	-0.07	5610	122	U-NII-2C	29.3	8.75	7.21	Back	0	V2	0.761	0.204	1.426	1.050	1.139	0.305	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	-0.04	5690	138	U-NII-2C	29.3	8.75	7.17	Back	0	V2	0.523	0.135	1.439	1.050	0.790	0.204	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	0.06	5530	106	U-NII-2C	29.3	8.75	7.39	Top	0	V2	0.000	0.000	1.368	1.050	0.000	0.000	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	-0.02	5530	106	U-NII-2C	29.3	8.75	7.39	Bottom	0	V2	0.517	0.122	1.368	1.050	0.743	0.175	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	0.05	5530	106	U-NII-2C	29.3	8.75	7.39	Right	0	V2	0.014	0.001	1.368	1.050	0.020	0.001	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	0.21	5530	106	U-NII-2C	29.3	8.75	7.39	Left	0	V2	0.027	0.003	1.368	1.050	0.039	0.004	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	0.10	5530	106	U-NII-2C	29.3	3.75	2.81	Back	0	V2	0.241	0.065	1.242	1.050	0.314	0.085	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	4PPFD	95.24	-0.08	5530	106	U-NII-2C	29.3	3.75	2.81	Bottom	0	V2	0.161	0.035	1.242	1.050	0.210	0.046	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body									
Spatial Peak														1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population														averaged over 1 gram									

Table 10-103 Antenna 1b U-NII-3

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	6TTVH	95.24	0.05	5775	155	U-NII-3	29.3	11.00	10.46	Back	0	V1	0.840	0.211	1.132	1.050	0.998	0.251	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	-0.01	5775	155	U-NII-3	29.3	11.00	10.57	Back	0	V2	1.020	0.278	1.104	1.050	1.182	0.322	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	0.08	5775	155	U-NII-3	29.3	11.00	10.57	Top	0	V2	0.002	0.000	1.104	1.050	0.002	0.000	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	-0.10	5775	155	U-NII-3	29.3	11.00	10.57	Bottom	0	V2	0.777	0.174	1.104	1.050	0.901	0.202	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	0.06	5775	155	U-NII-3	29.3	11.00	10.57	Right	0	V2	0.029	0.005	1.104	1.050	0.034	0.006	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	0.02	5775	155	U-NII-3	29.3	11.00	10.57	Left	0	V2	0.077	0.018	1.104	1.050	0.089	0.021	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	0.01	5775	155	U-NII-3	29.3	6.00	5.11	Back	0	V2	0.238	0.062	1.227	1.050	0.307	0.080	
Body	5 GHz WiFi/ IEEE 802.11ac	80	OFDM	1b	CYL22	95.24	-0.05	5775	155	U-NII-3	29.3	6.00	5.11	Bottom	0	V2	0.210	0.047	1.227	1.050	0.271	0.061	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body									
Spatial Peak														1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population														averaged over 1 gram									

FCC ID: BCGA2995

SAR EVALUATION REPORT

Approved by:

Technical Manager

Document S/N:
1C2405200018-02.BCG-R3DUT Type:
Tablet Device

Page 286 of 387

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10.32 6 GHz WIFI SISO Standalone SAR and APD

Table 10-104 Antenna 5T

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.04	6025	15	68.1	13.50	12.11	Back	0	V2	0.069	0.027	1.377	1.022	0.097	0.038	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.04	6025	15	68.1	13.50	12.11	Top	0	V2	0.009	0.004	1.377	1.022	0.013	0.006	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.07	6025	15	68.1	13.50	12.11	Bottom	0	V2	0.001	0.000	1.377	1.022	0.001	0.000	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.06	6025	15	68.1	13.50	12.11	Right	0	V2	0.644	0.189	1.377	1.022	0.906	0.266	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	GM25K	97.85	-0.02	6025	15	68.1	13.50	12.10	Right	0	V1	0.614	0.180	1.380	1.022	0.866	0.254	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.06	6345	79	68.1	13.00	12.86	Right	0	V2	0.740	0.222	1.033	1.022	0.781	0.234	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.09	6505	111	68.1	12.25	11.54	Right	0	V2	0.658	0.203	1.178	1.022	0.792	0.244	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	-0.14	6665	143	68.1	11.25	10.99	Right	0	V2	0.694	0.212	1.062	1.022	0.753	0.230	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.07	6985	207	68.1	11.25	11.00	Right	0	V2	0.687	0.210	1.059	1.022	0.744	0.227	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.08	6025	15	68.1	13.50	12.11	Left	0	V2	0.025	0.010	1.377	1.022	0.035	0.014	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	5T	HH0IP	97.85	0.02	6025	15	68.1	10.00	8.62	Right	0	V2	0.330	0.095	1.374	1.022	0.463	0.133	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																Body						
Spatial Peak																1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																averaged over 1 gram						
Exposure	Band / Mode	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Plot #			
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.04	6025	15	68.1	13.50	12.11	Back	0	V2	0.607	1.377	1.022	0.854				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.04	6025	15	68.1	13.50	12.11	Top	0	V2	0.087	1.377	1.022	0.122				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.07	6025	15	68.1	13.50	12.11	Bottom	0	V2	0.009	1.377	1.022	0.013				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.04	6025	15	68.1	13.50	12.11	Right	0	V2	4.350	1.377	1.022	6.122				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	GM25K	97.85	-0.02	6025	15	68.1	13.50	12.10	Right	0	V1	4.120	1.380	1.022	5.811				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.06	6345	79	68.1	13.00	12.86	Right	0	V2	5.100	1.033	1.022	5.384				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.09	6505	111	68.1	12.25	11.54	Right	0	V2	4.640	1.178	1.022	5.586				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	-0.14	6665	143	68.1	11.25	10.99	Right	0	V2	4.840	1.062	1.022	5.253				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.07	6985	207	68.1	11.25	11.00	Right	0	V2	4.800	1.059	1.022	5.195				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.08	6025	15	68.1	13.50	12.11	Left	0	V2	0.225	1.377	1.022	0.317				
Body	6 GHz WiFi / IEEE 802.11ax	OFDM	5T	HH0IP	97.85	0.02	6025	15	68.1	10.00	8.62	Right	0	V2	2.160	1.374	1.022	3.033				

Table 10-105 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.02	6025	15	68.1	11.00	9.10	Back	0	V2	0.395	0.139	1.549	1.022	0.625	0.220	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.09	6345	79	68.1	9.50	8.52	Back	0	V2	0.365	0.128	1.253	1.022	0.467	0.164	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.06	6505	111	68.1	10.00	9.30	Back	0	V2	0.435	0.141	1.175	1.022	0.522	0.169	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.06	6665	143	68.1	10.00	8.70	Back	0	V2	0.440	0.128	1.349	1.022	0.607	0.176	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.18	6985	207	68.1	10.00	9.54	Back	0	V2	0.777	0.208	1.112	1.022	0.883	0.236	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.03	6025	15	68.1	11.00	9.10	Top	0	V2	0.748	0.179	1.549	1.022	1.188	0.383	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	69336	97.85	0.12	6025	15	68.1	11.00	9.09	Top	0	V1	0.742	0.176	1.552	1.022	1.177	0.279	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6345	79	68.1	9.50	8.52	Top	0	V2	0.733	0.169	1.253	1.022	0.939	0.216	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.11	6505	111	68.1	10.00	9.30	Top	0	V2	0.815	0.187	1.175	1.022	0.979	0.225	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6665	143	68.1	10.00	8.70	Top	0	V2	0.754	0.174	1.349	1.022	1.040	0.240	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6985	207	68.1	10.00	9.54	Top	0	V2	0.758	0.185	1.112	1.022	0.861	0.210	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6025	15	68.1	11.00	9.10	Bottom	0	V2	0.003	0.000	1.549	1.022	0.005	0.000	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.06	6025	15	68.1	11.00	9.10	Right	0	V2	0.040	0.007	1.549	1.022	0.063	0.011	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.08	6025	15	68.1	11.00	9.10	Left	0	V2	0.036	0.005	1.549	1.022	0.057	0.008	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.03	6985	207	68.1	6.25	5.29	Back	0	V2	0.350	0.092	1.247	1.022	0.446	0.117	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.02	6985	207	68.1	6.25	5.29	Top	0	V2	0.340	0.081	1.247	1.022	0.433	0.103	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																Body						
Spatial Peak																1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population																averaged over 1 gram						
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Plot #		
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.02	6025	15	68.1	11.00	9.10	Back	0	V2	3.150	1.549	1.022	4.987			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.09	6345	79	68.1	9.50	8.52	Back	0	V2	2.860	1.253	1.022	3.688			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.06	6505	111	68.1	10.00	9.30	Back	0	V2	3.160	1.175	1.022	3.795			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.06	6665	143	68.1	10.00	8.70	Back	0	V2	2.940	1.349	1.022	4.053			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.18	6985	207	68.1	10.00	9.54	Back	0	V2	4.830	1.112	1.022	5.489			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.03	6025	15	68.1	11.00	9.10	Top	0	V2	4.130	1.549	1.022	6.538			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	69336	97.85	0.12	6025	15	68.1	11.00	9.09	Top	0	V1	4.005	1.552	1.022	6.408			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6345	79	68.1	9.50	8.52	Top	0	V2	3.970	1.253	1.022	5.084			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	-0.11	6505	111	68.1	10.00	9.30	Top	0	V2	4.370	1.175	1.022	5.248			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6665	143	68.1	10.00	8.70	Top	0	V2	4.070	1.349	1.022	5.611			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6985	207	68.1	10.00	9.54	Top	0	V2	4.280	1.112	1.022	4.864			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.03	6025	15	68.1	11.00	9.10	Bottom	0	V2	0.017	1.549	1.022	0.027			
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	3b	GPW4X	97.85	0.06	6025	15	68.1	11.00	9.10	Right	0	V2	0.173	1.549	1.022	0.274			

Table 10-106 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.15	6025	15	68.1	8.50	6.58	Back	0	V2	0.503	0.140	1.556	1.022	0.800	0.223	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.02	6345	79	68.1	9.25	9.16	Back	0	V2	0.877	0.218	1.021	1.022	0.915	0.227	A32
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.06	6345	79	68.1	9.25	9.16	Back	0	V2	0.845	0.214	1.021	1.022	0.886	0.223	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.09	6505	111	68.1	7.75	6.84	Back	0	V2	0.494	0.126	1.233	1.022	0.623	0.159	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.08	6665	143	68.1	9.50	7.81	Back	0	V2	0.564	0.135	1.476	1.022	0.851	0.204	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	69336	97.85	0.00	6985	207	68.1	8.75	7.57	Back	0	V1	0.724	0.167	1.312	1.022	0.971	0.224	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.12	6985	207	68.1	8.75	7.57	Back	0	V2	0.734	0.172	1.312	1.022	0.984	0.231	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.03	6665	143	68.1	9.50	7.81	Top	0	V2	0.000	0.000	1.476	1.022	0.000	0.000	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.11	6025	15	68.1	8.50	6.58	Bottom	0	V2	0.431	0.098	1.556	1.022	0.685	0.156	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.17	6345	79	68.1	9.25	9.16	Bottom	0	V2	0.791	0.179	1.021	1.022	0.825	0.187	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.05	6505	111	68.1	7.75	6.84	Bottom	0	V2	0.489	0.111	1.233	1.022	0.616	0.140	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.13	6665	143	68.1	9.50	7.81	Bottom	0	V2	0.560	0.127	1.476	1.022	0.845	0.192	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.07	6985	207	68.1	8.75	7.57	Bottom	0	V2	0.668	0.153	1.312	1.022	0.896	0.205	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.04	6665	143	68.1	9.50	7.81	Right	0	V2	0.011	0.004	1.476	1.022	0.017	0.006	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.06	6665	143	68.1	9.50	7.81	Left	0	V2	0.029	0.004	1.476	1.022	0.044	0.006	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.19	6505	111	68.1	5.50	4.70	Back	0	V2	0.325	0.078	1.202	1.022	0.399	0.096	
Body	6 GHz WiFi / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.11	6505	111	68.1	5.50	4.70	Bottom	0	V2	0.294	0.066	1.202	1.022	0.361	0.081	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: Blue entry represents variability measurement

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured APD [W/m ² (4cm ²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m ² (4cm ²)]
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.15	6025	15	68.1	8.50	6.58	Back	0	V2	3.230	1.556	1.022	5.136
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.02	6345	79	68.1	9.25	9.16	Back	0	V2	5.130	1.021	1.022	5.353
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.08	6345	79	68.1	9.25	9.16	Back	0	V2	4.980	1.021	1.022	5.196
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.09	6505	111	68.1	7.75	6.84	Back	0	V2	2.930	1.233	1.022	3.692
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.08	6665	143	68.1	9.50	7.81	Back	0	V2	3.180	1.476	1.022	4.797
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	69336	97.85	0.00	6985	207	68.1	8.75	7.57	Back	0	V1	3.970	1.312	1.022	5.323
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.12	6985	207	68.1	8.75	7.57	Back	0	V2	4.070	1.312	1.022	5.457
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.03	6665	143	68.1	9.50	7.81	Top	0	V2	0.003	1.476	1.022	0.005
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.11	6025	15	68.1	8.50	6.58	Bottom	0	V2	2.290	1.556	1.022	3.642
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.17	6345	79	68.1	9.25	9.16	Bottom	0	V2	4.210	1.021	1.022	4.393
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.05	6505	111	68.1	7.75	6.84	Bottom	0	V2	2.600	1.233	1.022	3.276
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.13	6665	143	68.1	9.50	7.81	Bottom	0	V2	2.980	1.476	1.022	4.495
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.07	6985	207	68.1	8.75	7.57	Bottom	0	V2	3.170	1.312	1.022	4.787
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.04	6665	143	68.1	9.50	7.81	Right	0	V2	0.081	1.476	1.022	0.122
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.06	6665	143	68.1	9.50	7.81	Left	0	V2	0.106	1.476	1.022	0.160
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	-0.19	6505	111	68.1	5.50	4.70	Back	0	V2	1.890	1.202	1.022	2.273
Body	6 GHz WiFI / IEEE 802.11ax	160	OFDM	1b	GPW4X	97.85	0.11	6505	111	68.1	5.50	4.70	Bottom	0	V2	1.550	1.202	1.022	1.904

FCC ID: BCGA2995	SAR EVALUATION REPORT										Approved by: Technical Manager	
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device										Page 288 of 387	

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10.33 2.4 GHz Bluetooth SISO Standalone SAR

Table 10-107 Antenna 3a

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	2.4 GHz Bluetooth	3a	6TTVH	76.83	0.06	2402	0	1	11.50	11.07	Back	0	V1	0.348	0.152	1.104	1.009	0.388	0.169	
Body	2.4 GHz Bluetooth	3a	6TTVH	76.83	0.07	2402	0	1	11.50	11.07	Top	0	V1	0.222	0.063	1.104	1.009	0.247	0.070	
Body	2.4 GHz Bluetooth	3a	6TTVH	76.83	0.03	2402	0	1	11.50	11.07	Bottom	0	V1	0.016	0.006	1.104	1.009	0.018	0.007	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.02	2402	0	1	11.50	10.91	Right	0	V2	1.010	0.325	1.146	1.009	1.168	0.376	A33
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.02	2441	39	1	11.50	10.87	Right	0	V2	0.943	0.302	1.156	1.009	1.100	0.352	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.14	2480	78	1	11.50	10.47	Right	0	V2	0.926	0.291	1.268	1.009	1.184	0.372	
Body	2.4 GHz Bluetooth	3a	6TTVH	76.83	0.04	2480	78	1	11.50	10.88	Right	0	V1	0.858	0.276	1.153	1.009	0.998	0.321	
Body	2.4 GHz Bluetooth	3a	6TTVH	76.83	0.08	2402	0	1	11.50	11.07	Left	0	V1	0.000	0.000	1.104	1.009	0.000	0.000	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.00	2402	0	1	8.00	7.99	Back	0	V2	0.185	0.079	1.002	1.009	0.187	0.078	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.00	2402	0	1	8.00	7.95	Top	0	V2	0.134	0.038	1.002	1.009	0.135	0.038	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.03	2402	0	1	8.00	7.99	Right	0	V2	0.442	0.146	1.002	1.009	0.447	0.148	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.02	2402	0	1	6.50	6.29	Back	0	V2	0.113	0.047	1.050	1.009	0.120	0.050	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.00	2402	0	1	6.50	6.29	Top	0	V2	0.082	0.023	1.050	1.009	0.087	0.024	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.02	2402	0	1	6.50	6.29	Right	0	V2	0.270	0.087	1.050	1.009	0.286	0.092	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.16	2441	39	1	6.00	5.68	Back	0	V2	0.080	0.033	1.076	1.009	0.087	0.036	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.03	2441	39	1	6.00	5.68	Top	0	V2	0.057	0.017	1.076	1.009	0.062	0.018	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.01	2441	39	1	6.00	5.68	Right	0	V2	0.199	0.065	1.076	1.009	0.216	0.071	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.01	2402	0	1	5.00	4.65	Back	0	V2	0.078	0.032	1.084	1.009	0.085	0.035	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.04	2402	0	1	5.00	4.65	Top	0	V2	0.055	0.015	1.084	1.009	0.060	0.016	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	-0.03	2402	0	1	5.00	4.65	Right	0	V2	0.180	0.059	1.084	1.009	0.197	0.065	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.04	2441	39	1	4.50	3.78	Back	0	V2	0.064	0.025	1.180	1.009	0.076	0.030	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.05	2441	39	1	4.50	3.78	Top	0	V2	0.041	0.012	1.180	1.009	0.049	0.014	
Body	2.4 GHz Bluetooth	3a	LLJNF	76.83	0.21	2441	39	1	4.50	3.78	Right	0	V2	0.135	0.045	1.180	1.009	0.161	0.054	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body						
Spatial Peak														1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population														averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-108 Antenna 1a

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.01	2402	0	1	12.50	12.02	Back	0	V2	0.907	0.339	1.117	1.009	1.022	0.382	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.02	2441	39	1	12.50	11.99	Back	0	V2	0.846	0.311	1.125	1.009	0.960	0.353	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.00	2480	78	1	12.50	12.17	Back	0	V2	0.820	0.298	1.079	1.009	0.892	0.324	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.10	2480	78	1	12.50	12.17	Top	0	V2	0.011	0.004	1.079	1.009	0.012	0.004	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.10	2480	78	1	12.50	12.17	Bottom	0	V2	0.282	0.078	1.079	1.009	0.307	0.085	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.05	2480	78	1	12.50	12.17	Right	0	V2	0.000	0.000	1.079	1.009	0.000	0.000	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.06	2402	0	1	12.50	12.02	Left	0	V2	0.968	0.319	1.117	1.009	1.091	0.359	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.04	2441	39	1	12.50	11.99	Left	0	V2	0.984	0.321	1.125	1.009	1.117	0.364	
Body	2.4 GHz Bluetooth	1a	6TTVH	76.83	-0.07	2441	39	1	12.50	11.92	Left	0	V1	0.903	0.291	1.143	1.009	1.041	0.336	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.07	2480	78	1	12.50	12.17	Left	0	V2	0.963	0.308	1.079	1.009	1.048	0.335	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.06	2402	0	1	9.00	9.00	Back	0	V2	0.399	0.153	1.000	1.009	0.401	0.154	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.12	2402	0	1	9.00	9.00	Bottom	0	V2	0.212	0.058	1.000	1.009	0.214	0.059	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.01	2402	0	1	9.00	9.00	Left	0	V2	0.522	0.169	1.000	1.009	0.527	0.170	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.16	2402	0	1	7.50	7.14	Back	0	V2	0.295	0.106	1.086	1.009	0.323	0.116	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.05	2402	0	1	7.50	7.14	Bottom	0	V2	0.138	0.037	1.086	1.009	0.151	0.041	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.04	2402	0	1	7.50	7.14	Left	0	V2	0.304	0.098	1.086	1.009	0.333	0.107	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	0.02	2441	39	1	7.00	6.36	Back	0	V2	0.247	0.085	1.159	1.009	0.289	0.099	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.01	2441	39	1	7.00	6.36	Bottom	0	V2	0.095	0.036	1.159	1.009	0.111	0.030	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.04	2441	39	1	7.00	6.36	Left	0	V2	0.265	0.086	1.159	1.009	0.310	0.101	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.01	2402	0	1	4.50	4.44	Back	0	V2	0.191	0.066	1.014	1.009	0.195	0.068	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.01	2402	0	1	4.50	4.44	Bottom	0	V2	0.075	0.020	1.014	1.009	0.077	0.020	
Body	2.4 GHz Bluetooth	1a	4RGHJ	76.83	-0.07	2402	0	1	4.50	4.44	Left	0	V2	0.175	0.057	1.014	1.009	0.179	0.058	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body						
Spatial Peak														1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population														averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-109 Antenna 4

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	2.4 GHz Bluetooth	4	7NCD2	76.83	0.02	2441	39	1	9.50	8.79	Back	0	V1	0.159	0.057	1.178	1.009	0.189	0.068	
Body	2.4 GHz Bluetooth	4	CYL22	76.83	-0.17	2441	39	1	9.50	8.68	Back	0	V2	0.153	0.055	1.208	1.009	0.186	0.067	
Body	2.4 GHz Bluetooth	4	7NCD2	76.83	-0.10	2441	39	1	9.50	8.79	Top	0	V1	0.070	0.025	1.178	1.009	0.083	0.030	
Body	2.4 GHz Bluetooth	4	7NCD2	76.83	0.04	2441	39	1	9.50	8.79	Bottom	0	V1	0.000	0.000	1.178	1.009	0.000	0.000	
Body	2.4 GHz Bluetooth	4	7NCD2	76.83	0.08	2441	39	1	9.50	8.79	Right	0	V1	0.000	0.000	1.178	1.009	0.000	0.000	
Body	2.4 GHz Bluetooth	4	7NCD2	76.83	-0.15	2441	39	1	9.50	8.79	Left	0	V1	0.065	0.027	1.178	1.009	0.077	0.032	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT														Body						
Spatial Peak														1.6 W/kg (mW/g)						
Uncontrolled Exposure/General Population														averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by:
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Technical Manager
		Page 289 of 387	

REV 24.0
05/01/2024

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10.34 802.15.4 Standalone SAR

Table 10-110 Antenna 3a

Exposure	Band / Mode	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	802.15.4	3a	3KQ7Q	-0.01	2440	18	1	12.50	11.17	Back	0	V2	0.582	0.265	1.358	0.474	0.216	
Body	802.15.4	3a	3KQ7Q	0.02	2440	18	1	12.50	11.17	Top	0	V2	0.398	0.121	1.358	0.324	0.099	
Body	802.15.4	3a	3KQ7Q	-0.20	2440	18	1	12.50	11.17	Bottom	0	V2	0.023	0.009	1.358	0.019	0.007	
Body	802.15.4	3a	3KQ7Q	0.11	2405	11	1	12.50	11.14	Right	0	V2	1.200	0.427	1.368	0.985	0.350	
Body	802.15.4	3a	69336	0.04	2440	18	1	12.50	11.15	Right	0	V1	1.260	0.447	1.365	1.032	0.366	
Body	802.15.4	3a	3KQ7Q	-0.04	2440	18	1	12.50	11.17	Right	0	V2	1.310	0.468	1.358	1.067	0.381	A34
Body	802.15.4	3a	3KQ7Q	0.03	2475	25	1	12.50	11.01	Right	0	V2	1.260	0.446	1.409	1.065	0.377	
Body	802.15.4	3a	3KQ7Q	0.03	2440	18	1	12.50	11.17	Left	0	V2	0.001	0.000	1.358	0.001	0.000	
Body	802.15.4	3a	3KQ7Q	-0.02	2440	18	1	9.00	8.34	Back	0	V2	0.238	0.108	1.164	0.166	0.075	
Body	802.15.4	3a	3KQ7Q	0.00	2440	18	1	9.00	8.34	Top	0	V2	0.174	0.053	1.164	0.122	0.037	
Body	802.15.4	3a	3KQ7Q	-0.05	2440	18	1	9.00	8.34	Right	0	V2	0.673	0.236	1.164	0.470	0.165	
Body	802.15.4	3a	3KQ7Q	0.03	2475	25	1	7.50	6.51	Back	0	V2	0.150	0.067	1.256	0.113	0.050	
Body	802.15.4	3a	3KQ7Q	0.05	2475	25	1	7.50	6.51	Top	0	V2	0.105	0.031	1.256	0.079	0.023	
Body	802.15.4	3a	3KQ7Q	0.01	2475	25	1	7.50	6.51	Right	0	V2	0.356	0.123	1.256	0.268	0.093	
Body	802.15.4	3a	3KQ7Q	0.03	2475	25	1	7.00	6.51	Back	0	V2	0.150	0.067	1.119	0.101	0.045	
Body	802.15.4	3a	3KQ7Q	0.05	2475	25	1	7.00	6.51	Top	0	V2	0.105	0.031	1.119	0.070	0.021	
Body	802.15.4	3a	3KQ7Q	0.01	2475	25	1	7.00	6.51	Right	0	V2	0.356	0.123	1.119	0.239	0.083	
Body	802.15.4	3a	3KQ7Q	-0.02	2475	25	1	6.00	5.12	Back	0	V2	0.113	0.050	1.225	0.083	0.037	
Body	802.15.4	3a	3KQ7Q	-0.13	2475	25	1	6.00	5.12	Top	0	V2	0.078	0.023	1.225	0.057	0.017	
Body	802.15.4	3a	3KQ7Q	-0.07	2475	25	1	6.00	5.12	Right	0	V2	0.250	0.087	1.225	0.184	0.064	
Body	802.15.4	3a	3KQ7Q	-0.02	2475	25	1	5.50	5.12	Back	0	V2	0.113	0.050	1.091	0.074	0.033	
Body	802.15.4	3a	3KQ7Q	-0.13	2475	25	1	5.50	5.12	Top	0	V2	0.078	0.023	1.091	0.051	0.015	
Body	802.15.4	3a	3KQ7Q	-0.07	2475	25	1	5.50	5.12	Right	0	V2	0.250	0.087	1.091	0.164	0.057	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram					

Note: Manufacturer declared that maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at higher duty cycle of 100% and scaled down to 60%.

Table 10-111 Antenna 1a

Exposure	Band / Mode	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	802.15.4	1a	HWCF2	-0.01	2405	11	1	13.50	12.37	Back	0	V1	1.220	0.471	1.297	0.949	0.367	
Body	802.15.4	1a	HWCF2	0.01	2440	18	1	13.50	12.42	Back	0	V1	1.250	0.502	1.282	0.962	0.386	
Body	802.15.4	1a	HWCF2	0.04	2475	25	1	13.50	12.40	Back	0	V1	1.270	0.487	1.288	0.981	0.376	
Body	802.15.4	1a	HWCF2	-0.18	2440	18	1	13.50	12.42	Top	0	V1	0.019	0.008	1.282	0.015	0.006	
Body	802.15.4	1a	HWCF2	-0.12	2440	18	1	13.50	12.42	Bottom	0	V1	0.494	0.150	1.282	0.380	0.115	
Body	802.15.4	1a	HWCF2	-0.03	2440	18	1	13.50	12.42	Right	0	V1	0.004	0.002	1.282	0.003	0.002	
Body	802.15.4	1a	HWCF2	-0.04	2405	11	1	13.50	12.37	Left	0	V1	1.270	0.452	1.297	0.988	0.352	
Body	802.15.4	1a	HWCF2	0.00	2440	18	1	13.50	12.42	Left	0	V1	1.310	0.462	1.282	1.008	0.355	
Body	802.15.4	1a	VZLHY	0.04	2440	18	1	13.50	12.41	Left	0	V2	1.300	0.457	1.285	1.002	0.352	
Body	802.15.4	1a	HWCF2	-0.02	2440	18	1	13.50	12.42	Left	0	V1	1.180	0.410	1.282	0.908	0.319	
Body	802.15.4	1a	HWCF2	-0.01	2475	25	1	13.50	12.40	Left	0	V1	1.220	0.429	1.288	0.943	0.332	
Body	802.15.4	1a	HWCF2	-0.03	2440	18	1	10.00	9.99	Back	0	V1	0.547	0.221	1.002	0.329	0.133	
Body	802.15.4	1a	HWCF2	-0.16	2440	18	1	10.00	9.99	Bottom	0	V1	0.222	0.067	1.002	0.133	0.040	
Body	802.15.4	1a	HWCF2	0.00	2440	18	1	10.00	9.99	Left	0	V1	0.617	0.216	1.002	0.371	0.130	
Body	802.15.4	1a	HWCF2	0.00	2475	25	1	8.50	7.42	Back	0	V1	0.212	0.085	1.282	0.163	0.065	
Body	802.15.4	1a	HWCF2	0.06	2475	25	1	8.50	7.42	Bottom	0	V1	0.089	0.026	1.282	0.068	0.020	
Body	802.15.4	1a	HWCF2	-0.11	2475	25	1	8.50	7.42	Left	0	V1	0.239	0.085	1.282	0.184	0.065	
Body	802.15.4	1a	HWCF2	0.00	2475	25	1	8.00	7.42	Back	0	V1	0.212	0.085	1.143	0.145	0.058	
Body	802.15.4	1a	HWCF2	0.06	2475	25	1	8.00	7.42	Bottom	0	V1	0.089	0.026	1.143	0.061	0.018	
Body	802.15.4	1a	HWCF2	-0.11	2475	25	1	8.00	7.42	Left	0	V1	0.239	0.085	1.143	0.164	0.058	
Body	802.15.4	1a	HWCF2	0.02	2440	18	1	5.50	5.41	Back	0	V1	0.171	0.065	1.021	0.105	0.040	
Body	802.15.4	1a	HWCF2	-0.03	2440	18	1	5.50	5.41	Bottom	0	V1	0.060	0.017	1.021	0.037	0.010	
Body	802.15.4	1a	HWCF2	0.03	2440	18	1	5.50	5.41	Left	0	V1	0.185	0.066	1.021	0.113	0.040	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram					

Note: Blue entry represents variability measurement

Note: Manufacturer declared that maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at higher duty cycle of 100% and scaled down to 60%.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 290 of 387	

REV 24.0
05/01/2024

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Table 10-112 Antenna 4

Exposure	Band / Mode	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	802.15.4	4	CYL22	-0.01	2440	18	1	9.50	9.09	Back	0	V2	0.211	0.078	1.099	0.139	0.051	
Body	802.15.4	4	6TTVH	0.01	2440	18	1	9.50	9.15	Back	0	V1	0.206	0.074	1.084	0.134	0.048	
Body	802.15.4	4	6TTVH	0.02	2440	18	1	9.50	9.15	Top	0	V1	0.117	0.042	1.084	0.076	0.027	
Body	802.15.4	4	6TTVH	0.01	2440	18	1	9.50	9.15	Bottom	0	V1	0.000	0.000	1.084	0.000	0.000	
Body	802.15.4	4	6TTVH	0.01	2440	18	1	9.50	9.15	Right	0	V1	0.000	0.000	1.084	0.000	0.000	
Body	802.15.4	4	6TTVH	-0.10	2440	18	1	9.50	9.15	Left	0	V1	0.107	0.043	1.084	0.070	0.028	
Body	802.15.4	4	CYL22	0.01	2475	25	1	8.50	7.64	Back	0	V2	0.166	0.068	1.219	0.121	0.050	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Manufacturer declared that maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at higher duty cycle of 100% and scaled down to 60%.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 291 of 387

REV 24.0
05/01/2024

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10.35 NB U-NII 1 Standalone SAR

Table 10-113 Antenna 5T

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	NB U-NII 1	5T	VJ95V	76.33	-0.15	5162	Low	4	12.50	11.70	Back	0	V2	0.026	0.009	1.202	1.015	0.032	0.011	
Body	NB U-NII 1	5T	VJ95V	76.33	0.01	5162	Low	4	12.50	11.70	Top	0	V2	0.000	0.000	1.202	1.015	0.000	0.000	
Body	NB U-NII 1	5T	VJ95V	76.33	0.09	5162	Low	4	12.50	11.70	Bottom	0	V2	0.004	0.000	1.202	1.015	0.005	0.000	
Body	NB U-NII 1	5T	VJ95V	76.33	-0.03	5245	High	4	12.50	11.61	Right	0	V2	0.345	0.090	1.227	1.015	0.430	0.112	
Body	NB U-NII 1	5T	7NCD2	76.33	-0.05	5245	High	4	12.50	11.52	Right	0	V1	0.292	0.074	1.253	1.015	0.371	0.094	
Body	NB U-NII 1	5T	VJ95V	76.33	0.03	5162	Low	4	12.50	11.70	Right	0	V2	0.340	0.090	1.202	1.015	0.415	0.110	
Body	NB U-NII 1	5T	VJ95V	76.33	0.11	5204	Mid	4	12.50	11.45	Right	0	V2	0.331	0.087	1.274	1.015	0.428	0.113	
Body	NB U-NII 1	5T	VJ95V	76.33	0.09	5162	Low	4	12.50	11.70	Left	0	V2	0.018	0.003	1.202	1.015	0.022	0.004	
Body	NB U-NII 1	5T	VJ95V	76.33	0.05	5162	Low	4	11.50	10.17	Right	0	V2	0.235	0.062	1.358	1.015	0.324	0.085	
Body	NB U-NII 1	5T	VJ95V	76.33	0.05	5162	Low	4	11.00	10.17	Right	0	V2	0.235	0.062	1.211	1.015	0.289	0.076	
Body	NB U-NII 1	5T	VJ95V	76.83	0.08	5162	Low	1	9.50	8.85	Right	0	V2	0.137	0.033	1.161	1.009	0.160	0.039	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-114 Antenna 3b

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	NB U-NII 1	3b	7PVI7	76.33	-0.09	5162	Low	4	11.50	10.97	Back	0	V2	0.533	0.183	1.130	1.015	0.612	0.210	
Body	NB U-NII 1	3b	7PVI7	76.33	-0.07	5245	High	4	11.50	10.93	Top	0	V2	0.903	0.221	1.140	1.015	1.045	0.256	
Body	NB U-NII 1	3b	7PVI7	76.33	0.03	5162	Low	4	11.50	10.97	Top	0	V2	0.964	0.232	1.130	1.015	1.106	0.266	
Body	NB U-NII 1	3b	4LG4M	76.33	-0.04	5162	Low	4	11.50	10.75	Top	0	V1	0.904	0.214	1.189	1.015	1.091	0.258	A35
Body	NB U-NII 1	3b	7PVI7	76.33	-0.12	5162	Low	4	11.50	10.97	Top	0	V2	0.934	0.228	1.130	1.015	1.076	0.262	
Body	NB U-NII 1	3b	7PVI7	76.33	0.00	5204	Mid	4	11.50	10.80	Top	0	V2	0.914	0.221	1.175	1.015	1.090	0.264	
Body	NB U-NII 1	3b	7PVI7	76.33	0.09	5162	Low	4	11.50	10.97	Bottom	0	V2	0.002	0.000	1.130	1.015	0.002	0.000	
Body	NB U-NII 1	3b	7PVI7	76.33	-0.15	5162	Low	4	11.50	10.97	Right	0	V2	0.046	0.011	1.130	1.015	0.063	0.013	
Body	NB U-NII 1	3b	7PVI7	76.33	-0.09	5162	Low	4	11.50	10.97	Left	0	V2	0.048	0.009	1.130	1.015	0.065	0.010	
Body	NB U-NII 1	3b	7PVI7	76.83	-0.20	5245	High	1	6.50	5.38	Back	0	V2	0.154	0.050	1.294	1.009	0.201	0.065	
Body	NB U-NII 1	3b	7PVI7	76.83	0.14	5245	High	1	6.50	5.38	Top	0	V2	0.261	0.064	1.294	1.009	0.341	0.084	
Body	NB U-NII 1	3b	7PVI7	76.83	-0.20	5245	High	1	6.00	5.38	Back	0	V2	0.154	0.050	1.153	1.009	0.179	0.058	
Body	NB U-NII 1	3b	7PVI7	76.83	0.14	5245	High	1	6.00	5.38	Top	0	V2	0.261	0.064	1.153	1.009	0.304	0.074	
Body	NB U-NII 1	3b	7PVI7	76.83	0.13	5162	Low	1	4.50	3.85	Back	0	V2	0.112	0.035	1.161	1.009	0.131	0.041	
Body	NB U-NII 1	3b	7PVI7	76.83	-0.05	5162	Low	1	4.50	3.85	Top	0	V2	0.210	0.049	1.161	1.009	0.246	0.057	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: Blue entry represents variability measurement

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-115 Antenna 1b

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	NB U-NII 1	1b	4RGHJ	76.83	-0.04	5245	High	1	10.00	9.01	Back	0	V2	0.759	0.228	1.256	1.009	0.962	0.289	
Body	NB U-NII 1	1b	4RGHJ	76.83	-0.01	5162	Low	1	10.00	9.15	Back	0	V2	0.857	0.260	1.216	1.009	1.051	0.319	
Body	NB U-NII 1	1b	T2W3M	76.83	-0.19	5162	Low	1	10.00	9.14	Back	0	V1	0.828	0.249	1.219	1.009	1.018	0.306	
Body	NB U-NII 1	1b	4RGHJ	76.83	-0.03	5204	Mid	1	10.00	8.99	Back	0	V2	0.743	0.222	1.262	1.009	0.946	0.283	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.01	5162	Low	1	10.00	9.15	Top	0	V2	0.000	0.000	1.216	1.009	0.000	0.000	
Body	NB U-NII 1	1b	4RGHJ	76.83	-0.16	5162	Low	1	10.00	9.15	Bottom	0	V2	0.533	0.139	1.216	1.009	0.654	0.170	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.08	5162	Low	1	10.00	9.15	Right	0	V2	0.006	0.000	1.216	1.009	0.007	0.000	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.05	5162	Low	1	10.00	9.15	Left	0	V2	0.024	0.007	1.216	1.009	0.029	0.009	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.04	5245	High	1	5.50	4.82	Back	0	V2	0.278	0.079	1.169	1.009	0.328	0.093	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.04	5245	High	1	5.50	4.82	Bottom	0	V2	0.178	0.039	1.169	1.009	0.210	0.046	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.04	5245	High	1	5.00	4.66	Back	0	V2	0.278	0.079	1.081	1.009	0.303	0.086	
Body	NB U-NII 1	1b	4RGHJ	76.83	0.04	5245	High	1	5.00	4.66	Bottom	0	V2	0.178	0.039	1.081	1.009	0.194	0.043	
Body	NB U-NII 1	1b	4RGHJ	76.83	-0.01	5245	High	1	2.50	2.04	Back	0	V2	0.175	0.049	1.112	1.009	0.196	0.055	
Body	NB U-NII 1	1b	4RGHJ	76.83	-0.07	5245	High	1	2.50	2.04	Bottom	0	V2	0.107	0.025	1.112	1.009	0.120	0.028	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by:
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Technical Manager
		Page 292 of 387	

REV 24.0
05/01/2024

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10.36 NB U-NII 3 Standalone SAR

Table 10-116 Antenna 5T

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	NB U-NII 3	5T	F97Q4	76.83	-0.10	5789	Mid	1	13.50	13.05	Back	0	V2	0.064	0.023	1.109	1.009	0.072	0.026	
Body	NB U-NII 3	5T	F97Q4	76.83	0.01	5789	Mid	1	13.50	13.05	Top	0	V2	0.001	0.000	1.109	1.009	0.001	0.000	
Body	NB U-NII 3	5T	F97Q4	76.83	0.01	5789	Mid	1	13.50	13.05	Bottom	0	V2	0.001	0.000	1.109	1.009	0.001	0.000	
Body	NB U-NII 3	5T	F97Q4	76.83	0.08	5844	High	1	13.50	12.94	Right	0	V2	0.640	0.177	1.138	1.009	0.735	0.203	
Body	NB U-NII 3	5T	7NCD2	76.83	0.04	5844	High	1	13.50	12.87	Right	0	V1	0.624	0.171	1.156	1.009	0.728	0.199	
Body	NB U-NII 3	5T	F97Q4	76.83	-0.02	5733	Low	1	13.50	12.79	Right	0	V2	0.542	0.148	1.178	1.009	0.644	0.176	
Body	NB U-NII 3	5T	F97Q4	76.83	0.03	5789	Mid	1	13.50	13.05	Right	0	V2	0.605	0.169	1.109	1.009	0.677	0.189	
Body	NB U-NII 3	5T	F97Q4	76.83	0.05	5789	Mid	1	13.50	13.05	Left	0	V2	0.014	0.004	1.109	1.009	0.016	0.004	
Body	NB U-NII 3	5T	F97Q4	76.83	-0.02	5789	Mid	1	10.50	9.50	Right	0	V2	0.236	0.062	1.259	1.009	0.300	0.079	
Body	NB U-NII 3	5T	F97Q4	76.83	-0.02	5789	Mid	1	10.00	9.50	Right	0	V2	0.236	0.062	1.122	1.009	0.267	0.070	
Body	NB U-NII 3	5T	F97Q4	76.83	0.07	5789	Mid	1	8.50	8.01	Right	0	V2	0.157	0.040	1.119	1.009	0.177	0.045	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-117 Antenna 3b

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	NB U-NII 3	3b	7QYRL	76.83	-0.05	5733	Low	1	12.50	11.80	Back	0	V1	0.539	0.165	1.175	1.009	0.639	0.196	
Body	NB U-NII 3	3b	7QYRL	76.83	0.03	5844	High	1	12.50	11.71	Top	0	V1	0.783	0.187	1.199	1.009	0.947	0.226	
Body	NB U-NII 3	3b	CYL22	76.83	-0.06	5733	Low	1	12.50	12.04	Top	0	V2	0.806	0.191	1.112	1.009	0.904	0.214	
Body	NB U-NII 3	3b	7QYRL	76.83	-0.05	5733	Low	1	12.50	11.80	Top	0	V1	0.802	0.191	1.175	1.009	0.951	0.226	
Body	NB U-NII 3	3b	7QYRL	76.83	-0.07	5789	Mid	1	12.50	11.75	Top	0	V1	0.789	0.188	1.189	1.009	0.946	0.225	
Body	NB U-NII 3	3b	7QYRL	76.83	0.01	5733	Low	1	12.50	11.80	Bottom	0	V1	0.006	0.000	1.175	1.009	0.007	0.000	
Body	NB U-NII 3	3b	7QYRL	76.83	0.08	5733	Low	1	12.50	11.80	Right	0	V1	0.048	0.010	1.175	1.009	0.057	0.012	
Body	NB U-NII 3	3b	7QYRL	76.83	0.02	5733	Low	1	12.50	11.80	Left	0	V1	0.052	0.010	1.175	1.009	0.062	0.012	
Body	NB U-NII 3	3b	7QYRL	76.83	-0.04	5733	Low	1	8.50	7.33	Back	0	V1	0.200	0.067	1.309	1.009	0.264	0.088	
Body	NB U-NII 3	3b	7QYRL	76.83	0.15	5733	Low	1	8.50	7.33	Top	0	V1	0.274	0.064	1.309	1.009	0.362	0.085	
Body	NB U-NII 3	3b	7QYRL	76.83	-0.04	5733	Low	1	8.00	7.33	Back	0	V1	0.200	0.067	1.167	1.009	0.235	0.079	
Body	NB U-NII 3	3b	7QYRL	76.83	0.15	5733	Low	1	8.00	7.33	Top	0	V1	0.274	0.064	1.167	1.009	0.323	0.075	
Body	NB U-NII 3	3b	7QYRL	76.83	0.03	5733	Low	1	6.50	5.50	Back	0	V1	0.130	0.043	1.259	1.009	0.165	0.055	
Body	NB U-NII 3	3b	7QYRL	76.83	0.15	5733	Low	1	6.50	5.50	Top	0	V1	0.205	0.046	1.259	1.009	0.260	0.058	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-118 Antenna 1b

Exposure	Band / Mode	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Plot #
Body	NB U-NII 3	1b	4RGHJ	76.83	0.02	5844	High	1	11.00	10.29	Back	0	V2	0.696	0.200	1.178	1.009	0.827	0.238	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.03	5733	Low	1	11.00	10.45	Back	0	V2	0.743	0.212	1.135	1.009	0.851	0.243	
Body	NB U-NII 3	1b	7NCD2	76.83	-0.08	5733	Low	1	11.00	10.34	Back	0	V1	0.657	0.188	1.164	1.009	0.771	0.221	
Body	NB U-NII 3	1b	4RGHJ	76.83	-0.11	5789	Mid	1	11.00	10.34	Back	0	V2	0.671	0.189	1.164	1.009	0.788	0.222	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.01	5733	Low	1	11.00	10.45	Top	0	V2	0.003	0.000	1.135	1.009	0.003	0.000	
Body	NB U-NII 3	1b	4RGHJ	76.83	-0.13	5733	Low	1	11.00	10.45	Bottom	0	V2	0.646	0.147	1.135	1.009	0.740	0.168	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.03	5733	Low	1	11.00	10.45	Right	0	V2	0.031	0.007	1.135	1.009	0.035	0.008	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.19	5733	Low	1	11.00	10.45	Left	0	V2	0.056	0.010	1.135	1.009	0.064	0.011	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.08	5733	Low	1	7.00	6.16	Back	0	V2	0.237	0.064	1.213	1.009	0.290	0.078	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.02	5733	Low	1	7.00	6.16	Bottom	0	V2	0.198	0.041	1.213	1.009	0.242	0.060	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.08	5733	Low	1	6.50	6.16	Back	0	V2	0.237	0.064	1.081	1.009	0.258	0.070	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.02	5733	Low	1	6.50	6.16	Bottom	0	V2	0.198	0.041	1.081	1.009	0.216	0.045	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.03	5733	Low	1	4.00	3.36	Back	0	V2	0.140	0.035	1.159	1.009	0.164	0.041	
Body	NB U-NII 3	1b	4RGHJ	76.83	0.07	5733	Low	1	4.00	3.36	Bottom	0	V2	0.115	0.022	1.159	1.009	0.134	0.026	
ANSI/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by:
			Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 293 of 387	

REV 24.0
05/01/2024

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10.37 wPT Standalone SAR

Table 10-119

Exposure	Band / Mode	Service / Modulation	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Plot #
Body	wPT	CW	7NCD2	1:1	0.05	13.60	Back	0	0.033	0.008	A36
Body	wPT	CW	7NCD2	1:1	-0.03	13.60	Top	0	0.000	0.000	
Body	wPT	CW	7NCD2	1:1	0.01	13.60	Bottom	0	0.000	0.000	
Body	wPT	CW	7NCD2	1:1	-0.13	13.60	Right	0	0.003	0.000	
Body	wPT	CW	7NCD2	1:1	0.04	13.60	Left	0	0.000	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							Body 1.6 W/kg (mW/g) averaged over 1 gram				

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 294 of 387

REV 24.0
05/01/2024

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10.38 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in FCC KDB Publication 616217 D04v01r02, and FCC KDB Publication 447498 D04v01.
2. Batteries are fully charged at the beginning of the SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01.
6. Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 12 for variability analysis.
7. FCC KDB Publication 616217 D04v01r02 Section 4.3, SAR tests are required for the back surface and edges of the tablet with the tablet touching the phantom. The SAR Exclusion Threshold in FCC KDB 447498 D04v01 was applied to determine SAR test exclusion for adjacent edge configurations.
8. This device uses Smart Transmit for WWAN operations to control and manage transmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance for was assessed at the minimum of the time averaged power and the maximum output power for each band/mode/exposure condition (DSI).
9. The orange highlights throughout the report represent the highest scaled SAR per Equipment Class.
10. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors. Per October 2020 TCB Workshop notes, 5 channels were tested. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.

UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR were not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
2. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s).

LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 77.5.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
3. A-MPR was disabled for all SAR tests by setting NS=01 and MCC=001 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D04v01, when the reported LTE Band 41 and LTE Band 48 SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for 1g evaluations, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 295 of 387

REV 24.0
05/01/2024

6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure condition. Please see Section 13 for linearity results.
8. For LTE Band 5, LTE Band 7, LTE Band 41, and LTE Band 48, per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
9. This device supports LTE Band 41 ULCA active with Power Class 2. Highest SAR test configuration for each exposure condition in Power Class 3 with ULCA active was repeated with Power Class 2 with ULCA active.
10. This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

NR Notes:

1. NR implementation supports SA and NSA modes. NR implementation in EN-DC mode operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
2. Per FCC KDB Publication 447498 D01v06, when the reported SAR measured at the highest output power channel in a given a test configuration was > 0.4 W/kg for NR n77 C 1g evaluations, > 0.6 W/kg for NR n41 1g evaluations, and > 0.8 W/kg for NR n77 DoD, testing at the other channels was required for such test configurations.
3. Due to test setup limitations, SAR testing for NR was performed using test mode software to establish the connection.
4. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report (Serial Number can be found in the bibliography).
5. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
6. Per FCC Guidance, NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
7. This device supports Power Class 2 and Power Class 3 operations for NR Band n41, NR Band n77 DoD, and NR Band n77 C. The highest available duty cycle for Power Class 2 and Power Class 3 operations is 100.0 %. Per FCC Guidance, all SAR tests were performed using Power Class 2.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 296 of 387

REV 24.0
05/01/2024

WLAN Notes:

1. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n/ax) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 0 for more information.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 77.6.5 for more information.
3. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Section 11 for complete analysis.
4. When the maximum reported 1g averaged SAR is ≤ 0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg for 1g evaluations or all test channels were measured.
5. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
6. The time-averaged mechanism for WLAN operations was disabled for the above SAR measurements. The SAR was scaled to the maximum time-averaged output power.

Bluetooth/NB UNII Notes

1. Bluetooth/NB UNII SAR was evaluated with a test mode with hopping disabled with DH5 operation. The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is limited to 77.5% per manufacturer. See Section 8.14 and 8.22 for the time domain plot and calculation for the duty factor of the device.

802.15.4 Notes:

1. The manufacturer declared that the maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at a higher duty cycle of 100% and scaled down to 60%. See Section 7.5 for the time domain plot for the duty factor of the device at the maximum source-based duty cycle of 60% and at the test mode during SAR measurement of 100%.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 297 of 387

REV 24.0
05/01/2024

10.39 Power Density Data

MEASUREMENT RESULTS																								
Frequency (MHz)	Channel	Mode	Service	Bandwidth (MHz)	Maximum Allowed Power (dBm)	Conducted Power (dBm)	Power Drift (dB)	Spacing (mm)	Antenna Config.	Variant	DUT Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (A)	PD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Normal µPD (W/m²)	Scaled Normal µPD (W/m²)	Total µPD (W/m²)	Scaled Total µPD (W/m²)	Plot #
6025	15	802.11ax	OFDM	160	11.00	9.10	0.02	2	3b	V2	HHQUP	68.1	Back	97.94	0.041	1.270	1.554	1.549	1.021	1.620	4.473	2.030	4.989	
6025	15	802.11ax	OFDM	160	11.00	9.10	-0.07	2	3b	V2	HHQUP	68.1	Top	97.90	0.041	0.733	1.554	1.549	1.021	1.610	4.448	2.170	5.333	
6345	79	802.11ax	OFDM	160	9.50	8.52	-0.21	2	3b	V2	HHQUP	68.1	Top	97.94	0.041	1.170	1.554	1.253	1.021	1.890	3.757	2.490	4.950	
6605	111	802.11ax	OFDM	160	10.00	9.30	-0.05	2	3b	V2	HHQUP	68.1	Top	97.94	0.041	0.991	1.554	1.175	1.021	1.590	2.890	2.310	4.307	
6665	143	802.11ax	OFDM	160	10.00	8.70	0.06	2	3b	V2	HHQUP	68.1	Top	97.94	0.041	1.010	1.554	1.349	1.021	1.610	3.446	2.160	4.602	
6985	207	802.11ax	OFDM	160	10.00	9.54	0.03	2	3b	V2	HHQUP	68.1	Top	97.94	0.041	1.090	1.554	1.112	1.021	1.200	2.117	2.130	3.758	
6345	79	802.11ax	OFDM	160	9.50	8.52	-0.02	9.45	3b	V2	HHQUP	68.1	Top	97.90	0.041	0.989	1.554	1.253	1.021	1.330	2.644	1.510	3.002	
6025	15	802.11ax	OFDM	160	11.00	9.10	0.11	2	3b	V2	HHQUP	68.1	Bottom	97.90	0.041	1.060	1.554	1.549	1.021	0.132	0.324	0.151	0.371	
6025	15	802.11ax	OFDM	160	11.00	9.10	-0.02	2	3b	V2	HHQUP	68.1	Right	97.90	0.041	0.443	1.554	1.549	1.021	0.130	0.320	0.186	0.457	
6025	15	802.11ax	OFDM	160	11.00	9.10	-0.03	2	3b	V2	HHQUP	68.1	Left	97.90	0.041	1.100	1.554	1.549	1.021	0.215	0.628	0.232	0.570	
6025	15	802.11ax	OFDM	160	13.25	12.11	-0.11	2	5T	V2	HHQUP	68.1	Back	97.94	0.041	1.370	1.554	1.300	1.021	0.470	0.969	0.500	1.031	
6025	15	802.11ax	OFDM	160	13.25	12.11	-0.02	2	5T	V2	HHQUP	68.1	Top	97.90	0.041	0.061	1.554	1.300	1.021	0.041	0.085	0.043	0.089	
6025	15	802.11ax	OFDM	160	13.25	12.11	0.16	2	5T	V2	HHQUP	68.1	Bottom	97.90	0.041	0.215	1.554	1.300	1.021	0.060	0.124	0.071	0.146	
6025	15	802.11ax	OFDM	160	13.25	12.11	0.03	2	5T	V2	HHQUP	68.1	Right	97.90	0.041	1.310	1.554	1.300	1.021	2.700	5.969	3.240	6.683	
6345	79	802.11ax	OFDM	160	13.00	12.86	0.02	2	5T	V2	HHQUP	68.1	Right	97.94	0.041	1.670	1.554	1.033	1.021	3.670	6.015	4.305	7.080	A37
6605	111	802.11ax	OFDM	160	12.25	11.54	0.00	2	5T	V2	HHQUP	68.1	Right	97.94	0.041	1.630	1.554	1.178	1.021	2.670	5.364	3.780	7.065	
6665	143	802.11ax	OFDM	160	11.25	10.99	0.02	2	5T	V2	HHQUP	68.1	Right	97.94	0.041	1.580	1.554	1.062	1.021	3.000	5.055	4.200	7.077	
6985	207	802.11ax	OFDM	160	11.25	11.00	-0.11	2	5T	V2	HHQUP	68.1	Right	97.94	0.041	1.060	1.554	1.059	1.021	2.050	3.445	4.200	7.057	
6345	79	802.11ax	OFDM	160	13.00	12.86	0.14	9.45	5T	V2	HHQUP	68.1	Right	97.94	0.041	1.230	1.554	1.033	1.021	1.550	2.540	1.600	2.983	
6025	15	802.11ax	OFDM	160	13.25	12.11	-0.18	2	5T	V2	HHQUP	68.1	Left	97.90	0.041	0.734	1.554	1.300	1.021	0.263	0.584	0.309	0.637	
6025	15	802.11ax	OFDM	160	8.50	6.58	-0.06	2	1b	V2	HHQUP	68.1	Back	97.94	0.041	0.571	1.554	1.596	1.021	1.270	2.491	1.470	3.629	
6345	79	802.11ax	OFDM	160	9.25	9.16	0.20	2	1b	V2	HHQUP	68.1	Back	97.94	0.041	0.952	1.554	1.021	1.021	2.360	3.823	3.440	5.573	
6605	111	802.11ax	OFDM	160	7.75	6.94	-0.31	2	1b	V2	HHQUP	68.1	Back	97.90	0.041	0.937	1.554	1.233	1.021	3.090	2.739	3.610	7.062	
6665	143	802.11ax	OFDM	160	9.50	7.81	-0.23	2	1b	V2	HHQUP	68.1	Back	97.90	0.041	0.763	1.554	1.476	1.021	1.360	0.000	1.780	4.169	
6985	207	802.11ax	OFDM	160	8.75	7.57	0.10	2	1b	V2	HHQUP	68.1	Back	97.94	0.041	0.942	1.554	1.312	1.021	2.580	6.032	3.020	6.287	
6605	111	802.11ax	OFDM	160	7.75	6.94	0.02	9.22	1b	V2	HHQUP	68.1	Back	97.94	0.041	0.494	1.554	1.233	1.021	1.030	2.015	1.120	2.191	
6665	143	802.11ax	OFDM	160	9.50	7.81	0.18	2	1b	V2	HHQUP	68.1	Top	97.90	0.041	0.652	1.554	1.476	1.021	0.123	0.288	0.126	0.296	
6665	143	802.11ax	OFDM	160	9.50	7.81	-0.03	2	1b	V2	HHQUP	68.1	Bottom	97.90	0.041	1.750	1.554	1.476	1.021	1.300	3.044	1.390	3.255	
6665	143	802.11ax	OFDM	160	9.50	7.81	0.00	2	1b	V2	HHQUP	68.1	Right	97.90	0.041	0.970	1.554	1.476	1.021	0.258	0.604	0.263	0.616	
6665	143	802.11ax	OFDM	160	9.50	7.81	0.12	2	1b	V2	HHQUP	68.1	Left	97.90	0.041	0.160	1.554	1.476	1.021	0.059	0.138	0.066	0.155	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population											Power Density 10 W/m² averaged over 4 cm²													

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 298 of 387

REV 24.0
05/01/2024

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10.40 Power Density Notes

1. The manufacturer has confirmed that the devices tested have the same physical, mechanical, and thermal characteristics and are within operational tolerances expected for production units.
2. Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
3. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
4. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
5. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor.
6. Per equipment manufacturer guidance, power density was measured at $d=2\text{mm}$ and $d=\lambda/5\text{mm}$ using the same grid size and grid step size for some frequencies and surfaces. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is $\geq -1\text{dB}$, the grid step was sufficient for determining compliance at $d=2\text{mm}$.
7. PD results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01.
8. PTP-PR algorithm was used during psPD measurement and calculations.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 299 of 387

REV 24.0
05/01/2024

11 FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS

11.1 Introduction

The following procedures adopted from FCC KDB Publication 447498 D04v01 are applicable to devices with built-in unlicensed transmitters such as 802.11 and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

11.2 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per FCC KDB Publication 447498 D01v06 4.3.2 and IEEE 1528-2013 Section 6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of the 1g SAR for all the simultaneous transmitting antennas in a specific physical test configuration is ≤ 1.6 W/kg. The different test positions in an exposure condition may be considered collectively to determine SAR test exclusion according to the sum of 1g or 10g SAR.

Note:

SAR Summations for some scenarios when the output power levels are reduced, SAR values at the maximum output power level were used as the most conservative evaluation for simultaneous transmission analysis.

For each position, the highest SAR value across all modes for the applicable cellular band antenna was considered for summation to determine simultaneous SAR test exclusion.

*The SAR distributions for at least one of the antennas are spatially separated from the other antennas per FCC KDB Publication 248227 Section 6.1 procedures. Therefore, simultaneous transmission was treated independently for this configuration. See section 11.4 for more information about the Spatial Separation Analysis.

Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G (including scenarios with inter-band ULCA active) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR and during inter-band ULCA active conditions to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G operations (including scenarios with inter-band ULCA active) is demonstrated in the Part 2 Report during algorithm validation.

All 3G/4G/5G transmitting antennas are within one Smart Transmit Gen2 antenna group, therefore no additional simultaneous analysis is required.

In some cases where simultaneous transmission scenarios overlap with the same power level (for example, cellular band + 2.4 GHz WIFI SISO and cellular band + 2.4 GHz WIFI MIMO), the most conservative SAR summation scenario was evaluated.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 300 of 387

REV 24.0
05/01/2024

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11.1 Body SAR Simultaneous Transmission Analysis

Table 11-1

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.394	0.294	0.033	1.587
	Top	0.013	0.260	0.008	0.000	0.281
	Bottom	0.314	0.015	0.093	0.000	0.422
	Right	0.000	1.154	0.000	0.003	1.157
	Left	0.975	0.002	0.353	0.000	1.330

Table 11-2

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.394	0.294	0.033	1.319*
	Top	0.011	0.260	0.008	0.000	0.279
	Bottom	0.987	0.015	0.093	0.000	1.095
	Right	0.030	1.154	0.000	0.003	1.187
	Left	0.056	0.002	0.353	0.000	0.411

Table 11-3

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	0.894	0.033	1.421*
	Top	0.028	0.260	0.008	0.000	0.296
	Bottom	0.933	0.015	0.343	0.000	1.291
	Right	0.993	1.154	0.000	0.003	1.157*
	Left	0.085	0.002	1.163	0.000	1.250

Table 11-4

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.098	0.894	0.033	1.551
	Top	0.325	0.069	0.008	0.000	0.402
	Bottom	0.004	0.015	0.343	0.000	0.362
	Right	0.894	0.300	0.000	0.003	1.197
	Left	0.000	0.002	1.163	0.000	1.165

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 301 of 387

REV 24.0
05/01/2024

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Table 11-5
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.098	0.894	0.033	1.124*
	Top	0.993	0.069	0.008	0.000	1.070
	Bottom	0.010	0.015	0.343	0.000	0.368
	Right	0.094	0.300	0.000	0.003	0.397
	Left	0.115	0.002	1.163	0.000	1.280

Table 11-6
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	0.894	0.033	1.421*
	Top	0.859	0.260	0.008	0.000	1.127
	Bottom	0.035	0.015	0.343	0.000	0.393
	Right	0.102	1.154	0.000	0.003	1.259
	Left	0.994	0.002	1.163	0.000	1.165*

Table 11-7
Cellular Band Ant 1a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.096	0.322	0.033	1.317
	Top	0.013	0.004	0.002	0.000	0.019
	Bottom	0.314	0.015	0.271	0.000	0.600
	Right	0.000	1.183	0.034	0.003	1.220
	Left	0.975	0.049	0.089	0.000	1.113

Table 11-8
Cellular Band Ant 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.096	0.322	0.033	1.443
	Top	0.011	0.004	0.002	0.000	0.017
	Bottom	0.987	0.015	0.271	0.000	1.273
	Right	0.030	1.183	0.034	0.003	1.250
	Left	0.056	0.049	0.089	0.000	0.194

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 302 of 387

REV 24.0
05/01/2024

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Table 11-9
Cellular Band Ant 2 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.096	0.322	0.033	1.445
	Top	0.028	0.004	0.002	0.000	0.034
	Bottom	0.933	0.015	0.271	0.000	1.219
	Right	0.993	1.183	0.034	0.003	1.22*
	Left	0.085	0.049	0.089	0.000	0.223

Table 11-10
Cellular Band Ant 3a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.096	1.182	0.033	1.215*
	Top	0.325	0.004	0.002	0.000	0.331
	Bottom	0.004	0.015	0.901	0.000	0.920
	Right	0.894	0.295	0.034	0.003	1.226
	Left	0.000	0.049	0.089	0.000	0.138

Table 11-11
Cellular Band Ant 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.096	1.182	0.033	1.311*
	Top	0.993	0.004	0.002	0.000	0.999
	Bottom	0.010	0.015	0.901	0.000	0.926
	Right	0.094	0.295	0.034	0.003	0.426
	Left	0.115	0.049	0.089	0.000	0.253

Table 11-12
Cellular Band Ant 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.096	1.182	0.033	1.215*
	Top	0.859	0.004	0.002	0.000	0.865
	Bottom	0.035	0.015	0.901	0.000	0.951
	Right	0.102	1.183	0.034	0.003	1.322
	Left	0.994	0.049	0.089	0.000	1.132

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 303 of 387

REV 24.0
05/01/2024

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Table 11-13**Cellular Band Ant 1a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.096	0.902	0.033	1.031*
	Top	0.013	0.004	1.182	0.000	1.199
	Bottom	0.314	0.015	0.000	0.000	0.329
	Right	0.000	1.183	0.089	0.003	1.275
	Left	0.975	0.049	0.081	0.000	1.105

Table 11-14**Cellular Band Ant 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.096	0.902	0.033	1.121*
	Top	0.011	0.004	1.182	0.000	1.197
	Bottom	0.987	0.015	0.000	0.000	1.002
	Right	0.030	1.183	0.089	0.003	1.305
	Left	0.056	0.049	0.081	0.000	0.186

Table 11-15**Cellular Band Ant 2 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.096	0.902	0.033	1.123*
	Top	0.028	0.004	1.182	0.000	1.214
	Bottom	0.933	0.015	0.000	0.000	0.948
	Right	0.993	1.183	0.089	0.003	1.275*
	Left	0.085	0.049	0.081	0.000	0.215

Table 11-16**Cellular Band Ant 3a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.096	0.246	0.033	0.901
	Top	0.325	0.004	0.346	0.000	0.675
	Bottom	0.004	0.015	0.000	0.000	0.019
	Right	0.894	0.295	0.089	0.003	1.281
	Left	0.000	0.049	0.081	0.000	0.130

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 304 of 387

REV 24.0
05/01/2024

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Table 11-17

Cellular Band Ant 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.096	0.246	0.033	1.368
	Top	0.993	0.004	0.346	0.000	1.343
	Bottom	0.010	0.015	0.000	0.000	0.025
	Right	0.094	0.295	0.089	0.003	0.481
	Left	0.115	0.049	0.081	0.000	0.245

Table 11-18

Cellular Band Ant 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.096	0.246	0.033	1.369
	Top	0.859	0.004	0.346	0.000	1.209
	Bottom	0.035	0.015	0.000	0.000	0.050
	Right	0.102	1.183	0.089	0.003	1.377
	Left	0.994	0.049	0.081	0.000	1.124

Table 11-19

Cellular Band Ant 1a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.097	0.399	0.033	1.395
	Top	0.013	0.013	0.000	0.000	0.026
	Bottom	0.314	0.001	0.361	0.000	0.676
	Right	0.000	0.906	0.017	0.003	0.926
	Left	0.975	0.035	0.044	0.000	1.054

Table 11-20

Cellular Band Ant 1b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.097	0.399	0.033	1.521
	Top	0.011	0.013	0.000	0.000	0.024
	Bottom	0.987	0.001	0.361	0.000	1.349
	Right	0.030	0.906	0.017	0.003	0.956
	Left	0.056	0.035	0.044	0.000	0.135

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 305 of 387

REV 24.0
05/01/2024

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Table 11-21

Cellular Band Ant 2 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.097	0.399	0.033	1.523
	Top	0.028	0.013	0.000	0.000	0.041
	Bottom	0.933	0.001	0.361	0.000	1.295
	Right	0.993	0.906	0.017	0.003	1.013*
	Left	0.085	0.035	0.044	0.000	0.164

Table 11-22

Cellular Band Ant 3a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.097	0.984	0.033	1.017*
	Top	0.325	0.013	0.000	0.000	0.338
	Bottom	0.004	0.001	0.896	0.000	0.901
	Right	0.894	0.463	0.017	0.003	1.377
	Left	0.000	0.035	0.044	0.000	0.079

Table 11-23

Cellular Band Ant 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.097	0.984	0.033	1.123*
	Top	0.993	0.013	0.000	0.000	1.006
	Bottom	0.010	0.001	0.896	0.000	0.907
	Right	0.094	0.463	0.017	0.003	0.577
	Left	0.115	0.035	0.044	0.000	0.194

Table 11-24

Cellular Band Ant 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.097	0.984	0.033	1.124*
	Top	0.859	0.013	0.000	0.000	0.872
	Bottom	0.035	0.001	0.896	0.000	0.932
	Right	0.102	0.906	0.017	0.003	1.028
	Left	0.994	0.035	0.044	0.000	1.073

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 306 of 387

REV 24.0
05/01/2024

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Table 11-25

Cellular Band Ant 1a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.097	0.883	0.033	1.013*
	Top	0.013	0.013	1.184	0.000	1.210
	Bottom	0.314	0.001	0.005	0.000	0.320
	Right	0.000	0.906	0.063	0.003	0.972
	Left	0.975	0.035	0.057	0.000	1.067

Table 11-26

Cellular Band Ant 1b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.097	0.883	0.033	1.122*
	Top	0.011	0.013	1.184	0.000	1.208
	Bottom	0.987	0.001	0.005	0.000	0.993
	Right	0.030	0.906	0.063	0.003	1.002
	Left	0.056	0.035	0.057	0.000	0.148

Table 11-27

Cellular Band Ant 2 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.097	0.883	0.033	1.027*
	Top	0.028	0.013	1.184	0.000	1.225
	Bottom	0.933	0.001	0.005	0.000	0.939
	Right	0.993	0.906	0.063	0.003	1.059*
	Left	0.085	0.035	0.057	0.000	0.177

Table 11-28

Cellular Band Ant 3a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.097	0.446	0.033	1.102
	Top	0.325	0.013	0.433	0.000	0.771
	Bottom	0.004	0.001	0.005	0.000	0.010
	Right	0.894	0.463	0.063	0.003	1.423
	Left	0.000	0.035	0.057	0.000	0.092

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 307 of 387

REV 24.0
05/01/2024

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Table 11-29

Cellular Band Ant 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.097	0.446	0.033	1.569
	Top	0.993	0.013	0.433	0.000	1.439
	Bottom	0.010	0.001	0.005	0.000	0.016
	Right	0.094	0.463	0.063	0.003	0.623
	Left	0.115	0.035	0.057	0.000	0.207

Table 11-30

Cellular Band Ant 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.097	0.446	0.033	1.570
	Top	0.859	0.013	0.433	0.000	1.305
	Bottom	0.035	0.001	0.005	0.000	0.041
	Right	0.102	0.906	0.063	0.003	1.074
	Left	0.994	0.035	0.057	0.000	1.086

Table 11-31

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.866	0.401	0.033	1.300
	Top	0.013	0.012	0.000	0.025
	Bottom	0.314	0.214	0.000	0.528
	Right	0.000	0.000	0.003	0.003
	Left	0.975	0.527	0.000	1.502

Table 11-32

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.992	0.401	0.033	1.426
	Top	0.011	0.012	0.000	0.023
	Bottom	0.987	0.214	0.000	1.201
	Right	0.030	0.000	0.003	0.033
	Left	0.056	0.527	0.000	0.583

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 308 of 387

REV 24.0
05/01/2024

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Table 11-33

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.526	0.187	0.033	0.746
	Top	0.325	0.135	0.000	0.460
	Bottom	0.004	0.018	0.000	0.022
	Right	0.894	0.447	0.003	1.344
	Left	0.000	0.000	0.000	0.000

Table 11-34

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.993	0.187	0.033	1.213
	Top	0.993	0.135	0.000	1.128
	Bottom	0.010	0.018	0.000	0.028
	Right	0.094	0.447	0.003	0.544
	Left	0.115	0.000	0.000	0.115

Table 11-35

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 1a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.866	0.329	0.033	1.228
	Top	0.013	0.015	0.000	0.028
	Bottom	0.314	0.133	0.000	0.447
	Right	0.000	0.003	0.003	0.006
	Left	0.975	0.371	0.000	1.346

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 309 of 387

REV 24.0
05/01/2024

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Table 11-36
Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 1a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.992	0.329	0.033	1.354
	Top	0.011	0.015	0.000	0.026
	Bottom	0.987	0.133	0.000	1.120
	Right	0.030	0.003	0.003	0.036
	Left	0.056	0.371	0.000	0.427

Table 11-37
Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.526	0.166	0.033	0.725
	Top	0.325	0.122	0.000	0.447
	Bottom	0.004	0.019	0.000	0.023
	Right	0.894	0.470	0.003	1.367
	Left	0.000	0.001	0.000	0.001

Table 11-38
Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 3a with 3.5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.993	0.166	0.033	1.192
	Top	0.993	0.122	0.000	1.115
	Bottom	0.010	0.019	0.000	0.029
	Right	0.094	0.470	0.003	0.567
	Left	0.115	0.001	0.000	0.116

Table 11-39
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.388	0.323	0.033	1.577*
	Top	0.013	0.247	0.012	0.000	0.272
	Bottom	0.314	0.018	0.151	0.000	0.483
	Right	0.000	1.184	0.000	0.003	1.187
	Left	0.975	0.000	0.333	0.000	1.308

FCC ID: BCGA2995	SAR EVALUATION REPORT			Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device			Page 310 of 387

REV 24.0
05/01/2024

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Table 11-40**Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.388	0.323	0.033	1.348*
	Top	0.011	0.247	0.012	0.000	0.270
	Bottom	0.987	0.018	0.151	0.000	1.156
	Right	0.030	1.184	0.000	0.003	1.217
	Left	0.056	0.000	0.333	0.000	0.389

Table 11-41**Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.388	1.022	0.033	1.443*
	Top	0.028	0.247	0.012	0.000	0.287
	Bottom	0.933	0.018	0.307	0.000	1.258
	Right	0.993	1.184	0.000	0.003	1.187*
	Left	0.085	0.000	1.117	0.000	1.202

Table 11-42**Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.120	1.022	0.033	1.055*
	Top	0.325	0.087	0.012	0.000	0.424
	Bottom	0.004	0.018	0.307	0.000	0.329
	Right	0.894	0.286	0.000	0.003	1.183
	Left	0.000	0.000	1.117	0.000	1.117

Table 11-43**Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.120	1.022	0.033	1.146*
	Top	0.993	0.087	0.012	0.000	1.092
	Bottom	0.010	0.018	0.307	0.000	0.335
	Right	0.094	0.286	0.000	0.003	0.383
	Left	0.115	0.000	1.117	0.000	1.232

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 311 of 387

REV 24.0
05/01/2024

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Table 11-44**Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.388	1.022	0.033	1.415*
	Top	0.859	0.247	0.012	0.000	1.118
	Bottom	0.035	0.018	0.307	0.000	0.360
	Right	0.102	1.184	0.000	0.003	1.289
	Left	0.994	0.000	1.117	0.000	1.117*

Table 11-45**Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	NB U-NII Ant 5T SAR (W/kg)	NB U-NII Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.072	0.639	0.033	1.577*
	Top	0.013	0.001	1.106	0.000	1.120
	Bottom	0.314	0.005	0.007	0.000	0.326
	Right	0.000	0.735	0.057	0.003	0.795
	Left	0.975	0.022	0.062	0.000	1.059

Table 11-46**Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	NB U-NII Ant 5T SAR (W/kg)	NB U-NII Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.072	0.639	0.033	1.097*
	Top	0.011	0.001	1.106	0.000	1.118
	Bottom	0.987	0.005	0.007	0.000	0.999
	Right	0.030	0.735	0.057	0.003	0.825
	Left	0.056	0.022	0.062	0.000	0.140

Table 11-47**Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	NB U-NII Ant 5T SAR (W/kg)	NB U-NII Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.072	0.639	0.033	1.099*
	Top	0.028	0.001	1.106	0.000	1.135
	Bottom	0.933	0.005	0.007	0.000	0.945
	Right	0.993	0.735	0.057	0.003	0.996*
	Left	0.085	0.022	0.062	0.000	0.169

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 312 of 387

REV 24.0
05/01/2024

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Table 11-48

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 5T with 5 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.072	0.264	0.033	0.895
	Top	0.325	0.001	0.362	0.000	0.688
	Bottom	0.004	0.005	0.007	0.000	0.016
	Right	0.894	0.324	0.057	0.003	1.278
	Left	0.000	0.022	0.062	0.000	0.084

Table 11-49

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 5T with 5 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.072	0.264	0.033	1.362
	Top	0.993	0.001	0.362	0.000	1.356
	Bottom	0.010	0.005	0.007	0.000	0.022
	Right	0.094	0.324	0.057	0.003	0.478
	Left	0.115	0.022	0.062	0.000	0.199

Table 11-50

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 5T SAR (W/kg)	NB U-NII Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.072	0.264	0.033	1.363
	Top	0.859	0.001	0.362	0.000	1.222
	Bottom	0.035	0.005	0.007	0.000	0.047
	Right	0.102	0.735	0.057	0.003	0.897
	Left	0.994	0.022	0.062	0.000	1.078

Table 11-51

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.866	0.087	0.195	0.096	0.322	0.033	1.566*
	Top	0.013	0.062	0.012	0.004	0.002	0.000	0.093
	Bottom	0.314	0.018	0.077	0.015	0.271	0.000	0.695
	Right	0.000	0.216	0.000	1.183	0.034	0.003	1.436
	Left	0.975	0.000	0.179	0.049	0.089	0.000	1.292

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 313 of 387

REV 24.0
05/01/2024

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Table 11-52

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.866	0.087	0.289	0.902	0.096	0.033	1.284*
	Top	0.013	0.062	0.012	1.182	0.004	0.000	1.273
	Bottom	0.314	0.018	0.111	0.000	0.015	0.000	0.458
	Right	0.000	0.216	0.000	0.089	1.183	0.003	1.491
	Left	0.975	0.000	0.310	0.081	0.049	0.000	1.415

Table 11-53

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.992	0.087	0.195	0.096	0.322	0.033	1.542*
	Top	0.011	0.062	0.012	0.004	0.002	0.000	0.091
	Bottom	0.987	0.018	0.077	0.015	0.271	0.000	1.368
	Right	0.030	0.216	0.000	1.183	0.034	0.003	1.466
	Left	0.056	0.000	0.179	0.049	0.089	0.000	0.373

Table 11-54

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.992	0.087	0.289	0.902	0.096	0.033	1.410*
	Top	0.011	0.062	0.012	1.182	0.004	0.000	1.271
	Bottom	0.987	0.018	0.111	0.000	0.015	0.000	1.131
	Right	0.030	0.216	0.000	0.089	1.183	0.003	1.521
	Left	0.056	0.000	0.310	0.081	0.049	0.000	0.496

Table 11-55

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.087	0.195	0.096	0.322	0.033	1.544*
	Top	0.028	0.062	0.012	0.004	0.002	0.000	0.108
	Bottom	0.933	0.018	0.077	0.015	0.271	0.000	1.314
	Right	0.993	0.216	0.000	1.183	0.034	0.003	1.436*
	Left	0.085	0.000	0.179	0.049	0.089	0.000	0.402

Table 11-56

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.087	1.022	0.902	0.096	0.033	1.151*
	Top	0.028	0.062	0.012	1.182	0.004	0.000	1.288
	Bottom	0.933	0.018	0.307	0.000	0.015	0.000	1.273
	Right	0.993	0.216	0.000	0.089	1.183	0.003	1.491*
	Left	0.085	0.000	1.117	0.081	0.049	0.000	1.332

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 314 of 387

REV 24.0
05/01/2024

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Table 11-57

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 7 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.526	0.076	0.289	0.096	1.182	0.033	1.504*
	Top	0.325	0.049	0.012	0.004	0.002	0.000	0.392
	Bottom	0.004	0.018	0.111	0.015	0.901	0.000	1.049
	Right	0.894	0.161	0.000	0.295	0.034	0.003	1.387
	Left	0.000	0.000	0.310	0.049	0.089	0.000	0.448

Table 11-58

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 7 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.526	0.076	1.022	0.246	0.096	0.033	1.151*
	Top	0.325	0.049	0.012	0.346	0.004	0.000	0.736
	Bottom	0.004	0.018	0.307	0.000	0.015	0.000	0.344
	Right	0.894	0.161	0.000	0.089	0.295	0.003	1.442
	Left	0.000	0.000	1.117	0.081	0.049	0.000	1.247

Table 11-59

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.993	0.085	0.289	0.096	1.182	0.033	1.567*
	Top	0.993	0.060	0.012	0.004	0.002	0.000	1.071
	Bottom	0.010	0.018	0.111	0.015	0.901	0.000	1.055
	Right	0.094	0.197	0.000	0.295	0.034	0.003	0.623
	Left	0.115	0.000	0.310	0.049	0.089	0.000	0.563

Table 11-60

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.993	0.085	1.022	0.246	0.096	0.033	1.453*
	Top	0.993	0.060	0.012	0.346	0.004	0.000	1.415
	Bottom	0.010	0.018	0.307	0.000	0.015	0.000	0.350
	Right	0.094	0.197	0.000	0.089	0.295	0.003	0.678
	Left	0.115	0.000	1.117	0.081	0.049	0.000	1.362

Table 11-61

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.085	0.289	0.096	1.182	0.033	1.504*
	Top	0.859	0.060	0.012	0.004	0.002	0.000	0.937
	Bottom	0.035	0.018	0.111	0.015	0.901	0.000	1.080
	Right	0.102	0.197	0.000	1.183	0.034	0.003	1.519
	Left	0.994	0.000	0.310	0.049	0.089	0.000	1.442

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 315 of 387

REV 24.0
05/01/2024

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Table 11-62

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.085	1.022	0.246	0.096	0.033	1.454*
	Top	0.859	0.060	0.012	0.346	0.004	0.000	1.281
	Bottom	0.035	0.018	0.307	0.000	0.015	0.000	0.375
	Right	0.102	0.197	0.000	0.089	1.183	0.003	1.574
	Left	0.994	0.000	1.117	0.081	0.049	0.000	1.247*

Table 11-63

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.388	0.195	0.322	0.033	1.416*
	Top	0.013	0.247	0.012	0.002	0.000	0.274
	Bottom	0.314	0.018	0.077	0.271	0.000	0.680
	Right	0.000	1.184	0.000	0.034	0.003	1.221
	Left	0.975	0.000	0.179	0.089	0.000	1.243

Table 11-64

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.388	0.195	0.322	0.033	1.542*
	Top	0.011	0.247	0.012	0.002	0.000	0.272
	Bottom	0.987	0.018	0.077	0.271	0.000	1.353
	Right	0.030	1.184	0.000	0.034	0.003	1.251
	Left	0.056	0.000	0.179	0.089	0.000	0.324

Table 11-65

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.388	0.195	0.322	0.033	1.544*
	Top	0.028	0.247	0.012	0.002	0.000	0.289
	Bottom	0.933	0.018	0.077	0.271	0.000	1.299
	Right	0.993	1.184	0.000	0.034	0.003	1.221*
	Left	0.085	0.000	0.179	0.089	0.000	0.353

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 316 of 387

REV 24.0
05/01/2024

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Table 11-66

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.087	0.289	1.182	0.033	1.504*
	Top	0.325	0.062	0.012	0.002	0.000	0.401
	Bottom	0.004	0.018	0.111	0.901	0.000	1.034
	Right	0.894	0.216	0.000	0.034	0.003	1.147
	Left	0.000	0.000	0.310	0.089	0.000	0.399

Table 11-67

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.388	0.289	1.182	0.033	1.504*
	Top	0.859	0.247	0.012	0.002	0.000	1.120
	Bottom	0.035	0.018	0.111	0.901	0.000	1.065
	Right	0.102	1.184	0.000	0.034	0.003	1.323
	Left	0.994	0.000	0.310	0.089	0.000	1.393

Table 11-68

Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.120	1.022	0.096	0.902	0.033	1.151*
	Top	0.087	0.012	0.004	1.182	0.000	1.285
	Bottom	0.018	0.307	0.015	0.000	0.000	0.340
	Right	0.286	0.000	1.183	0.089	0.003	1.561
	Left	0.000	1.117	0.049	0.081	0.000	1.247

Table 11-69

Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.120	0.323	1.182	0.096	0.033	1.538*
	Top	0.087	0.012	0.002	0.004	0.000	0.105
	Bottom	0.018	0.151	0.901	0.015	0.000	1.085
	Right	0.286	0.000	0.034	1.183	0.003	1.506
	Left	0.000	0.333	0.089	0.049	0.000	0.471

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 317 of 387

REV 24.0
05/01/2024

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Table 11-70
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 5 GHz WIFI and wPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.388	0.323	1.182	0.033	0.421*
	Top	0.247	0.012	0.002	0.000	0.261
	Bottom	0.018	0.151	0.901	0.000	1.070
	Right	1.184	0.000	0.034	0.003	1.221
	Left	0.000	0.333	0.089	0.000	0.422

Table 11-71
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.866	0.087	0.195	0.097	0.399	0.033	1.493*
	Top	0.013	0.062	0.012	0.013	0.000	0.000	0.100
	Bottom	0.314	0.018	0.077	0.001	0.361	0.000	0.771
	Right	0.000	0.216	0.000	0.906	0.017	0.003	1.142
	Left	0.975	0.000	0.179	0.035	0.044	0.000	1.233

Table 11-72
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.866	0.087	0.289	0.883	0.097	0.033	1.285*
	Top	0.013	0.062	0.012	1.184	0.013	0.000	1.284
	Bottom	0.314	0.018	0.111	0.005	0.001	0.000	0.449
	Right	0.000	0.216	0.000	0.063	0.906	0.003	1.188
	Left	0.975	0.000	0.310	0.057	0.035	0.000	1.377

Table 11-73
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.992	0.087	0.195	0.097	0.399	0.033	1.586*
	Top	0.011	0.062	0.012	0.013	0.000	0.000	0.098
	Bottom	0.987	0.018	0.077	0.001	0.361	0.000	1.444
	Right	0.030	0.216	0.000	0.906	0.017	0.003	1.172
	Left	0.056	0.000	0.179	0.035	0.044	0.000	0.314

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 318 of 387

REV 24.0
05/01/2024

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Table 11-74

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.992	0.087	0.289	0.883	0.097	0.033	1.411*
	Top	0.011	0.062	0.012	1.184	0.013	0.000	1.282
	Bottom	0.987	0.018	0.111	0.005	0.001	0.000	1.122
	Right	0.030	0.216	0.000	0.063	0.906	0.003	1.218
	Left	0.056	0.000	0.310	0.057	0.035	0.000	0.458

Table 11-75

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.087	0.195	0.097	0.399	0.033	1.588*
	Top	0.028	0.062	0.012	0.013	0.000	0.000	0.115
	Bottom	0.933	0.018	0.077	0.001	0.361	0.000	1.390
	Right	0.993	0.216	0.000	0.906	0.017	0.003	1.142*
	Left	0.085	0.000	0.179	0.035	0.044	0.000	0.343

Table 11-76

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.087	1.022	0.883	0.097	0.033	1.152*
	Top	0.028	0.062	0.012	1.184	0.013	0.000	1.299
	Bottom	0.933	0.018	0.307	0.005	0.001	0.000	1.264
	Right	0.993	0.216	0.000	0.063	0.906	0.003	1.188*
	Left	0.085	0.000	1.117	0.057	0.035	0.000	1.294

Table 11-77

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 7 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.526	0.076	0.289	0.097	0.984	0.033	1.306*
	Top	0.325	0.049	0.012	0.013	0.000	0.000	0.399
	Bottom	0.004	0.018	0.111	0.001	0.896	0.000	1.030
	Right	0.894	0.161	0.000	0.463	0.017	0.003	1.538
	Left	0.000	0.000	0.310	0.035	0.044	0.000	0.389

Table 11-78

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 7 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.526	0.076	1.022	0.446	0.097	0.033	1.178*
	Top	0.325	0.049	0.012	0.433	0.013	0.000	0.832
	Bottom	0.004	0.018	0.307	0.005	0.001	0.000	0.335
	Right	0.894	0.161	0.000	0.063	0.463	0.003	1.584
	Left	0.000	0.000	1.117	0.057	0.035	0.000	1.209

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 319 of 387

REV 24.0
05/01/2024

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Table 11-79

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.993	0.085	0.289	0.097	0.984	0.033	1.403*
	Top	0.993	0.060	0.012	0.013	0.000	0.000	1.078
	Bottom	0.010	0.018	0.111	0.001	0.896	0.000	1.036
	Right	0.094	0.197	0.000	0.463	0.017	0.003	0.774
	Left	0.115	0.000	0.310	0.035	0.044	0.000	0.504

Table 11-80

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.993	0.085	1.022	0.446	0.097	0.033	1.557*
	Top	0.993	0.060	0.012	0.433	0.013	0.000	1.511
	Bottom	0.010	0.018	0.307	0.005	0.001	0.000	0.341
	Right	0.094	0.197	0.000	0.063	0.463	0.003	0.820
	Left	0.115	0.000	1.117	0.057	0.035	0.000	1.324

Table 11-81

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.085	0.289	0.097	0.984	0.033	1.306*
	Top	0.859	0.060	0.012	0.013	0.000	0.000	0.944
	Bottom	0.035	0.018	0.111	0.001	0.896	0.000	1.061
	Right	0.102	0.197	0.000	0.906	0.017	0.003	1.225
	Left	0.994	0.000	0.310	0.035	0.044	0.000	1.383

Table 11-82

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 6.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.085	1.022	0.446	0.097	0.033	1.558*
	Top	0.859	0.060	0.012	0.433	0.013	0.000	1.377
	Bottom	0.035	0.018	0.307	0.005	0.001	0.000	0.366
	Right	0.102	0.197	0.000	0.063	0.906	0.003	1.271
	Left	0.994	0.000	1.117	0.057	0.035	0.000	1.209*

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 320 of 387

REV 24.0
05/01/2024

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Table 11-83

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.388	0.195	0.399	0.033	1.493*
	Top	0.013	0.247	0.012	0.000	0.000	0.272
	Bottom	0.314	0.018	0.077	0.361	0.000	0.770
	Right	0.000	1.184	0.000	0.017	0.003	1.204
	Left	0.975	0.000	0.179	0.044	0.000	1.198

Table 11-84

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.388	0.195	0.399	0.033	1.586*
	Top	0.011	0.247	0.012	0.000	0.000	0.270
	Bottom	0.987	0.018	0.077	0.361	0.000	1.443
	Right	0.030	1.184	0.000	0.017	0.003	1.234
	Left	0.056	0.000	0.179	0.044	0.000	0.279

Table 11-85

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.388	0.195	0.399	0.033	1.588*
	Top	0.028	0.247	0.012	0.000	0.000	0.287
	Bottom	0.933	0.018	0.077	0.361	0.000	1.389
	Right	0.993	1.184	0.000	0.017	0.003	1.204*
	Left	0.085	0.000	0.179	0.044	0.000	0.308

Table 11-86

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 3a with 5.5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.087	0.289	0.984	0.033	1.306*
	Top	0.325	0.062	0.012	0.000	0.000	0.399
	Bottom	0.004	0.018	0.111	0.896	0.000	1.029
	Right	0.894	0.216	0.000	0.017	0.003	1.130
	Left	0.000	0.000	0.310	0.044	0.000	0.354

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 321 of 387

REV 24.0
05/01/2024

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Table 11-87

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.388	0.289	0.984	0.033	1.415*
	Top	0.859	0.247	0.012	0.000	0.000	1.118
	Bottom	0.035	0.018	0.111	0.896	0.000	1.060
	Right	0.102	1.184	0.000	0.017	0.003	1.306
	Left	0.994	0.000	0.310	0.044	0.000	1.348

Table 11-88

Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.120	1.022	0.097	0.883	0.033	1.152*
	Top	0.087	0.012	0.013	1.184	0.000	1.296
	Bottom	0.018	0.307	0.001	0.005	0.000	0.331
	Right	0.286	0.000	0.906	0.063	0.003	1.258
	Left	0.000	1.117	0.035	0.057	0.000	1.209

Table 11-89

Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, 6 GHz WIFI and wPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.120	0.323	0.984	0.097	0.033	1.557
	Top	0.087	0.012	0.000	0.013	0.000	0.112
	Bottom	0.018	0.151	0.896	0.001	0.000	1.066
	Right	0.286	0.000	0.017	0.906	0.003	1.212
	Left	0.000	0.333	0.044	0.035	0.000	0.412

Table 11-90

Simultaneous Transmission Scenario with 2.4 GHz Bluetooth and 6 GHz WIFI

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.388	0.323	0.984	1.307*
	Top	0.247	0.012	0.000	0.259
	Bottom	0.018	0.151	0.896	1.065
	Right	1.184	0.000	0.017	1.201
	Left	0.000	0.333	0.044	0.377

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 322 of 387

REV 24.0
05/01/2024

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Table 11-91

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.394	0.189	0.033	1.482
	Top	0.013	0.260	0.083	0.000	0.356
	Bottom	0.314	0.015	0.000	0.000	0.329
	Right	0.000	1.154	0.000	0.003	1.157
	Left	0.975	0.002	0.077	0.000	1.054

Table 11-92

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.394	0.189	0.033	1.575*
	Top	0.011	0.260	0.083	0.000	0.354
	Bottom	0.987	0.015	0.000	0.000	1.002
	Right	0.030	1.154	0.000	0.003	1.187
	Left	0.056	0.002	0.077	0.000	0.135

Table 11-93

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	0.189	0.033	1.577*
	Top	0.028	0.260	0.083	0.000	0.371
	Bottom	0.933	0.015	0.000	0.000	0.948
	Right	0.993	1.154	0.000	0.003	1.157*
	Left	0.085	0.002	0.077	0.000	0.164

Table 11-94

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.098	0.189	0.033	0.846
	Top	0.325	0.069	0.083	0.000	0.477
	Bottom	0.004	0.015	0.000	0.000	0.019
	Right	0.894	0.300	0.000	0.003	1.197
	Left	0.000	0.002	0.077	0.000	0.079

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 323 of 387

REV 24.0
05/01/2024

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Table 11-95

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.098	0.189	0.033	1.313
	Top	0.993	0.069	0.083	0.000	1.145
	Bottom	0.010	0.015	0.000	0.000	0.025
	Right	0.094	0.300	0.000	0.003	0.397
	Left	0.115	0.002	0.077	0.000	0.194

Table 11-96

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.098	0.189	0.033	1.314
	Top	0.859	0.069	0.083	0.000	1.011
	Bottom	0.035	0.015	0.000	0.000	0.050
	Right	0.102	0.300	0.000	0.003	0.405
	Left	0.994	0.002	0.077	0.000	1.073

Table 11-97

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.394	0.139	0.033	1.432
	Top	0.013	0.260	0.076	0.000	0.349
	Bottom	0.314	0.015	0.000	0.000	0.329
	Right	0.000	1.154	0.000	0.003	1.157
	Left	0.975	0.002	0.070	0.000	1.047

Table 11-98

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.394	0.139	0.033	1.558
	Top	0.011	0.260	0.076	0.000	0.347
	Bottom	0.987	0.015	0.000	0.000	1.002
	Right	0.030	1.154	0.000	0.003	1.187
	Left	0.056	0.002	0.070	0.000	0.128

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 324 of 387

REV 24.0
05/01/2024

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Table 11-99**Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	0.139	0.033	1.560
	Top	0.028	0.260	0.076	0.000	0.364
	Bottom	0.933	0.015	0.000	0.000	0.948
	Right	0.993	1.154	0.000	0.003	1.157*
	Left	0.085	0.002	0.070	0.000	0.157

Table 11-100**Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.098	0.139	0.033	0.796
	Top	0.325	0.069	0.076	0.000	0.470
	Bottom	0.004	0.015	0.000	0.000	0.019
	Right	0.894	0.300	0.000	0.003	1.197
	Left	0.000	0.002	0.070	0.000	0.072

Table 11-101**Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.098	0.139	0.033	1.263
	Top	0.993	0.069	0.076	0.000	1.138
	Bottom	0.010	0.015	0.000	0.000	0.025
	Right	0.094	0.300	0.000	0.003	0.397
	Left	0.115	0.002	0.070	0.000	0.187

Table 11-102**Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.098	0.139	0.033	1.264
	Top	0.859	0.069	0.076	0.000	1.004
	Bottom	0.035	0.015	0.000	0.000	0.050
	Right	0.102	0.300	0.000	0.003	0.405
	Left	0.994	0.002	0.070	0.000	1.066

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 325 of 387

REV 24.0
05/01/2024

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Table 11-103

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.139	0.096	0.902	0.033	1.17*
	Top	0.013	0.076	0.004	1.182	0.000	1.275
	Bottom	0.314	0.000	0.015	0.000	0.000	0.329
	Right	0.000	0.000	1.183	0.089	0.003	1.275
	Left	0.975	0.070	0.049	0.081	0.000	1.175

Table 11-104

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.139	0.096	0.322	0.033	1.456
	Top	0.013	0.076	0.004	0.002	0.000	0.095
	Bottom	0.314	0.000	0.015	0.271	0.000	0.600
	Right	0.000	0.000	1.183	0.034	0.003	1.220
	Left	0.975	0.070	0.049	0.089	0.000	1.183

Table 11-105

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.139	0.096	0.902	0.033	1.17*
	Top	0.011	0.076	0.004	1.182	0.000	1.273
	Bottom	0.987	0.000	0.015	0.000	0.000	1.002
	Right	0.030	0.000	1.183	0.089	0.003	1.305
	Left	0.056	0.070	0.049	0.081	0.000	0.256

Table 11-106

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.139	0.096	0.322	0.033	1.582
	Top	0.011	0.076	0.004	0.002	0.000	0.093
	Bottom	0.987	0.000	0.015	0.271	0.000	1.273
	Right	0.030	0.000	1.183	0.034	0.003	1.250
	Left	0.056	0.070	0.049	0.089	0.000	0.264

Table 11-107

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.139	0.096	0.246	0.033	1.508
	Top	0.028	0.076	0.004	0.346	0.000	0.454
	Bottom	0.933	0.000	0.015	0.000	0.000	0.948
	Right	0.993	0.000	0.295	0.089	0.003	1.380
	Left	0.085	0.070	0.049	0.081	0.000	0.285

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 326 of 387

REV 24.0
05/01/2024

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Table 11-108

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.139	0.096	0.322	0.033	1.584
	Top	0.028	0.076	0.004	0.002	0.000	0.110
	Bottom	0.933	0.000	0.015	0.271	0.000	1.219
	Right	0.993	0.000	1.183	0.034	0.003	1.22*
	Left	0.085	0.070	0.049	0.089	0.000	0.293

Table 11-109

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.121	0.096	0.246	0.033	1.022
	Top	0.325	0.076	0.004	0.346	0.000	0.751
	Bottom	0.004	0.000	0.015	0.000	0.000	0.019
	Right	0.894	0.000	0.295	0.089	0.003	1.281
	Left	0.000	0.070	0.049	0.081	0.000	0.200

Table 11-110

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.121	0.096	1.182	0.033	1.215*
	Top	0.325	0.076	0.004	0.002	0.000	0.407
	Bottom	0.004	0.000	0.015	0.901	0.000	0.920
	Right	0.894	0.000	0.295	0.034	0.003	1.226
	Left	0.000	0.070	0.049	0.089	0.000	0.208

Table 11-111

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.121	0.096	0.246	0.033	1.489
	Top	0.993	0.076	0.004	0.346	0.000	1.419
	Bottom	0.010	0.000	0.015	0.000	0.000	0.025
	Right	0.094	0.000	0.295	0.089	0.003	0.481
	Left	0.115	0.070	0.049	0.081	0.000	0.315

Table 11-112

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.121	0.096	1.182	0.033	1.311*
	Top	0.993	0.076	0.004	0.002	0.000	1.075
	Bottom	0.010	0.000	0.015	0.901	0.000	0.926
	Right	0.094	0.000	0.295	0.034	0.003	0.426
	Left	0.115	0.070	0.049	0.089	0.000	0.323

FCC ID: BCGA2995	SAR EVALUATION REPORT				Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device				Page 327 of 387

REV 24.0
05/01/2024

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Table 11-113

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.121	0.096	0.246	0.033	1.490
	Top	0.859	0.076	0.004	0.346	0.000	1.285
	Bottom	0.035	0.000	0.015	0.000	0.000	0.050
	Right	0.102	0.000	0.295	0.089	0.003	0.489
	Left	0.994	0.070	0.049	0.081	0.000	1.194

Table 11-114

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.121	0.096	1.182	0.033	1.244*
	Top	0.859	0.076	0.004	0.002	0.000	0.941
	Bottom	0.035	0.000	0.015	0.901	0.000	0.951
	Right	0.102	0.000	0.295	0.034	0.003	0.434
	Left	0.994	0.070	0.049	0.089	0.000	1.202

Table 11-115

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.139	0.097	0.883	0.033	1.152*
	Top	0.013	0.076	0.013	1.184	0.000	1.286
	Bottom	0.314	0.000	0.001	0.005	0.000	0.320
	Right	0.000	0.000	0.906	0.063	0.003	0.972
	Left	0.975	0.070	0.035	0.057	0.000	1.137

Table 11-116

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.139	0.097	0.399	0.033	1.534
	Top	0.013	0.076	0.013	0.000	0.000	0.102
	Bottom	0.314	0.000	0.001	0.361	0.000	0.676
	Right	0.000	0.000	0.906	0.017	0.003	0.926
	Left	0.975	0.070	0.035	0.044	0.000	1.124

Table 11-117

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.139	0.097	0.883	0.033	1.152*
	Top	0.011	0.076	0.013	1.184	0.000	1.284
	Bottom	0.987	0.000	0.001	0.005	0.000	0.993
	Right	0.030	0.000	0.906	0.063	0.003	1.002
	Left	0.056	0.070	0.035	0.057	0.000	0.218

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 328 of 387

REV 24.0
05/01/2024

Table 11-118

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.139	0.097	0.399	0.033	1.424*
	Top	0.011	0.076	0.013	0.000	0.000	0.100
	Bottom	0.987	0.000	0.001	0.361	0.000	1.349
	Right	0.030	0.000	0.906	0.017	0.003	0.956
	Left	0.056	0.070	0.035	0.044	0.000	0.205

Table 11-119

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.139	0.097	0.446	0.033	1.579*
	Top	0.028	0.076	0.013	0.433	0.000	0.550
	Bottom	0.933	0.000	0.001	0.005	0.000	0.939
	Right	0.993	0.000	0.463	0.063	0.003	1.522
	Left	0.085	0.070	0.035	0.057	0.000	0.247

Table 11-120

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 4 SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.139	0.097	0.399	0.033	1.426*
	Top	0.028	0.076	0.013	0.000	0.000	0.117
	Bottom	0.933	0.000	0.001	0.361	0.000	1.295
	Right	0.993	0.000	0.906	0.017	0.003	1.013*
	Left	0.085	0.070	0.035	0.044	0.000	0.234

Table 11-121

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.121	0.097	0.446	0.033	1.223
	Top	0.325	0.076	0.013	0.433	0.000	0.847
	Bottom	0.004	0.000	0.001	0.005	0.000	0.010
	Right	0.894	0.000	0.463	0.063	0.003	1.423
	Left	0.000	0.070	0.035	0.057	0.000	0.162

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 329 of 387

REV 24.0
05/01/2024

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Table 11-122

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.121	0.097	0.984	0.033	1.138*
	Top	0.325	0.076	0.013	0.000	0.000	0.414
	Bottom	0.004	0.000	0.001	0.896	0.000	0.901
	Right	0.894	0.000	0.463	0.017	0.003	1.377
	Left	0.000	0.070	0.035	0.044	0.000	0.149

Table 11-123

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.121	0.097	0.446	0.033	1.593*
	Top	0.993	0.076	0.013	0.433	0.000	1.515
	Bottom	0.010	0.000	0.001	0.005	0.000	0.016
	Right	0.094	0.000	0.463	0.063	0.003	0.623
	Left	0.115	0.070	0.035	0.057	0.000	0.277

Table 11-124

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.121	0.097	0.984	0.033	1.244*
	Top	0.993	0.076	0.013	0.000	0.000	1.082
	Bottom	0.010	0.000	0.001	0.896	0.000	0.907
	Right	0.094	0.000	0.463	0.017	0.003	0.577
	Left	0.115	0.070	0.035	0.044	0.000	0.264

Table 11-125

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.121	0.097	0.446	0.033	1.594*
	Top	0.859	0.076	0.013	0.433	0.000	1.381
	Bottom	0.035	0.000	0.001	0.005	0.000	0.041
	Right	0.102	0.000	0.463	0.063	0.003	0.631
	Left	0.994	0.070	0.035	0.057	0.000	1.156

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 330 of 387

REV 24.0
05/01/2024

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Table 11-126

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 4 with 1 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.121	0.097	0.984	0.033	1.245*
	Top	0.859	0.076	0.013	0.000	0.000	0.948
	Bottom	0.035	0.000	0.001	0.896	0.000	0.932
	Right	0.102	0.000	0.463	0.017	0.003	0.585
	Left	0.994	0.070	0.035	0.044	0.000	1.143

Table 11-127

Simultaneous Transmission Scenario with 2.4 GHz WIFI and wPT

Simult Tx	Configuration	NB U-NII Ant 3b SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.639	0.894	0.033	1.566
	Top	1.106	0.008	0.000	1.114
	Bottom	0.007	0.343	0.000	0.350
	Right	0.057	0.000	0.003	0.060
	Left	0.062	1.163	0.000	1.225

Table 11-128

Simultaneous Transmission Scenario with 2.4 GHz WIFI and wPT

Simult Tx	Configuration	NB U-NII Ant 5T with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.072	0.394	0.894	0.033	1.393
	Top	0.001	0.260	0.008	0.000	0.269
	Bottom	0.005	0.015	0.343	0.000	0.363
	Right	0.324	1.154	0.000	0.003	1.481
	Left	0.022	0.002	1.163	0.000	1.187

Table 11-129

Simultaneous Transmission Scenario with 2.4 GHz WIFI and wPT

Simult Tx	Configuration	NB U-NII Ant 3b with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.264	0.394	0.894	0.033	1.585
	Top	0.362	0.260	0.008	0.000	0.630
	Bottom	0.007	0.015	0.343	0.000	0.365
	Right	0.057	1.154	0.000	0.003	1.214
	Left	0.062	0.002	1.163	0.000	1.227

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 331 of 387

REV 24.0
05/01/2024

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Table 11-130
Simultaneous Transmission Scenario with 2.4 GHz WIFI and wPT

Simult Tx	Configuration	NB U-NII Ant 1b with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.328	0.394	0.894	0.033	1.255*
	Top	0.003	0.260	0.008	0.000	0.271
	Bottom	0.242	0.015	0.343	0.000	0.600
	Right	0.035	1.154	0.000	0.003	1.192
	Left	0.064	0.002	1.163	0.000	1.229

Table 11-131
Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	NB U-NII Ant 5T with 5.5 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.866	0.072	0.235	0.394	0.294	0.033	1.193*
	Top	0.013	0.001	0.323	0.260	0.008	0.000	0.605
	Bottom	0.314	0.005	0.007	0.015	0.093	0.000	0.434
	Right	0.000	0.289	0.057	1.154	0.000	0.003	1.503
	Left	0.975	0.022	0.062	0.002	0.353	0.000	1.414

Table 11-132
Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	NB U-NII Ant 5T with 5.5 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.992	0.072	0.235	0.394	0.294	0.033	1.319*
	Top	0.011	0.001	0.323	0.260	0.008	0.000	0.603
	Bottom	0.987	0.005	0.007	0.015	0.093	0.000	1.107
	Right	0.030	0.289	0.057	1.154	0.000	0.003	1.533
	Left	0.056	0.022	0.062	0.002	0.353	0.000	0.495

Table 11-133
Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	NB U-NII Ant 5T with 5.5 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.072	0.235	0.394	0.894	0.033	1.027*
	Top	0.028	0.001	0.323	0.260	0.008	0.000	0.620
	Bottom	0.933	0.005	0.007	0.015	0.343	0.000	1.303
	Right	0.993	0.289	0.057	1.154	0.000	0.003	1.503*
	Left	0.085	0.022	0.062	0.002	1.163	0.000	1.334

Table 11-134
Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 5T with 7 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 7 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.526	0.072	0.165	0.098	0.894	0.033	0.927*
	Top	0.325	0.001	0.260	0.069	0.008	0.000	0.663
	Bottom	0.004	0.005	0.007	0.015	0.343	0.000	0.374
	Right	0.894	0.177	0.057	0.300	0.000	0.003	1.431
	Left	0.000	0.022	0.062	0.002	1.163	0.000	1.249

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 332 of 387

REV 24.0
05/01/2024

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Table 11-135

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 5T with 7 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 7 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.993	0.072	0.165	0.098	0.894	0.033	1.361*
	Top	0.993	0.001	0.260	0.069	0.008	0.000	1.331
	Bottom	0.010	0.005	0.007	0.015	0.343	0.000	0.380
	Right	0.094	0.177	0.057	0.300	0.000	0.003	0.631
	Left	0.115	0.022	0.062	0.002	1.163	0.000	1.364

Table 11-136

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 5T with 7 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.072	0.394	0.894	0.033	1.493*
	Top	0.859	0.001	0.260	0.008	0.000	1.128
	Bottom	0.035	0.005	0.015	0.343	0.000	0.398
	Right	0.102	0.177	1.154	0.000	0.003	1.436
	Left	0.994	0.022	0.002	1.163	0.000	1.187*

Table 11-137

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 3b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.235	0.894	0.033	1.262*
	Top	0.859	0.323	0.008	0.000	1.190
	Bottom	0.035	0.007	0.343	0.000	0.385
	Right	0.102	0.057	0.000	0.003	0.162
	Left	0.994	0.062	1.163	0.000	1.225*

Table 11-138

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 5T with 7 dB backoff SAR (W/kg)	NB U-NII Ant 3b with 7 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.994	0.072	0.165	0.098	0.894	0.033	1.362*
	Top	0.859	0.001	0.260	0.069	0.008	0.000	1.197
	Bottom	0.035	0.005	0.007	0.015	0.343	0.000	0.405
	Right	0.102	0.177	0.057	0.300	0.000	0.003	0.639
	Left	0.994	0.022	0.062	0.002	1.163	0.000	1.249*

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 333 of 387

REV 24.0
05/01/2024

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Table 11-139

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 5T SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.072	0.894	0.033	1.099*
	Top	0.859	0.001	0.008	0.000	0.868
	Bottom	0.035	0.005	0.343	0.000	0.383
	Right	0.102	0.735	0.000	0.003	0.840
	Left	0.994	0.022	1.163	0.000	1.185*

Table 11-140

Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT MIMO

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	NB U-NII Ant 1b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.303	0.394	0.033	1.563*
	Top	0.013	0.003	0.260	0.000	0.276
	Bottom	0.314	0.216	0.015	0.000	0.545
	Right	0.000	0.035	1.154	0.003	1.192
	Left	0.975	0.064	0.002	0.000	1.041

Table 11-141

Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	NB U-NII Ant 1b with 8 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.196	0.394	0.294	0.033	1.389*
	Top	0.013	0.003	0.260	0.008	0.000	0.284
	Bottom	0.314	0.134	0.015	0.093	0.000	0.556
	Right	0.000	0.035	1.154	0.000	0.003	1.192
	Left	0.975	0.064	0.002	0.353	0.000	1.394

Table 11-142

Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	NB U-NII Ant 1b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.303	0.394	0.033	1.328*
	Top	0.011	0.003	0.260	0.000	0.274
	Bottom	0.987	0.216	0.015	0.000	1.218
	Right	0.030	0.035	1.154	0.003	1.222
	Left	0.056	0.064	0.002	0.000	0.122

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 334 of 387

REV 24.0
05/01/2024

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Table 11-143

Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	NB U-NII Ant 1b with 8 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.196	0.394	0.294	0.033	1.515*
	Top	0.011	0.003	0.260	0.008	0.000	0.282
	Bottom	0.987	0.134	0.015	0.093	0.000	1.229
	Right	0.030	0.035	1.154	0.000	0.003	1.222
	Left	0.056	0.064	0.002	0.353	0.000	0.475

Table 11-144

Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT MIMO

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	NB U-NII Ant 1b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.303	0.394	0.033	1.421*
	Top	0.028	0.003	0.260	0.000	0.291
	Bottom	0.933	0.216	0.015	0.000	1.164
	Right	0.993	0.035	1.154	0.003	1.192*
	Left	0.085	0.064	0.002	0.000	0.151

Table 11-145

Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	NB U-NII Ant 1b with 8 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.196	0.394	0.294	0.033	1.517*
	Top	0.028	0.003	0.260	0.008	0.000	0.299
	Bottom	0.933	0.134	0.015	0.093	0.000	1.175
	Right	0.993	0.035	1.154	0.000	0.003	1.192*
	Left	0.085	0.064	0.002	0.353	0.000	0.504

Table 11-146

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT MIMO

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	1.051	0.098	0.033	1.084*
	Top	0.325	0.003	0.069	0.000	0.397
	Bottom	0.004	0.740	0.015	0.000	0.759
	Right	0.894	0.035	0.300	0.003	1.232
	Left	0.000	0.064	0.002	0.000	0.066

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 335 of 387

REV 24.0
05/01/2024

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Table 11-147

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 1b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.303	0.098	0.894	0.033	1.23*
	Top	0.325	0.003	0.069	0.008	0.000	0.405
	Bottom	0.004	0.216	0.015	0.343	0.000	0.578
	Right	0.894	0.035	0.300	0.000	0.003	1.232
	Left	0.000	0.064	0.002	1.163	0.000	1.229

Table 11-148

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT MIMO

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	1.051	0.098	0.033	1.124*
	Top	0.993	0.003	0.069	0.000	1.065
	Bottom	0.010	0.740	0.015	0.000	0.765
	Right	0.094	0.035	0.300	0.003	0.432
	Left	0.115	0.064	0.002	0.000	0.181

Table 11-149

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 1b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.303	0.098	0.894	0.033	1.23*
	Top	0.993	0.003	0.069	0.008	0.000	1.073
	Bottom	0.010	0.216	0.015	0.343	0.000	0.584
	Right	0.094	0.035	0.300	0.000	0.003	0.432
	Left	0.115	0.064	0.002	1.163	0.000	1.344

Table 11-150

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 1b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.303	0.394	0.894	0.033	1.421*
	Top	0.859	0.003	0.260	0.008	0.000	1.130
	Bottom	0.035	0.216	0.015	0.343	0.000	0.609
	Right	0.102	0.035	1.154	0.000	0.003	1.294
	Left	0.994	0.064	0.002	1.163	0.000	1.229*

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 336 of 387

REV 24.0
05/01/2024

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Table 11-151**Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	1.051	0.394	0.033	1.421*
	Top	0.859	0.003	0.260	0.000	1.122
	Bottom	0.035	0.740	0.015	0.000	0.790
	Right	0.102	0.035	1.154	0.003	1.294
	Left	0.994	0.064	0.002	0.000	1.060

Table 11-152**Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	NB U-NII Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.866	0.328	0.033	1.227
	Top	0.013	0.003	0.000	0.016
	Bottom	0.314	0.242	0.000	0.556
	Right	0.000	0.035	0.003	0.038
	Left	0.975	0.064	0.000	1.039

Table 11-153**Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	NB U-NII Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.992	0.328	0.033	1.353
	Top	0.011	0.003	0.000	0.014
	Bottom	0.987	0.242	0.000	1.229
	Right	0.030	0.035	0.003	0.068
	Left	0.056	0.064	0.000	0.120

Table 11-154**Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	NB U-NII Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.994	0.328	0.033	1.355
	Top	0.028	0.003	0.000	0.031
	Bottom	0.933	0.242	0.000	1.175
	Right	0.993	0.035	0.003	1.031
	Left	0.085	0.064	0.000	0.149

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 337 of 387

REV 24.0
05/01/2024

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Table 11-155
Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.526	1.051	0.033	1.577*
	Top	0.325	0.003	0.000	0.328
	Bottom	0.004	0.740	0.000	0.744
	Right	0.894	0.035	0.003	0.932
	Left	0.000	0.064	0.000	0.064

Table 11-156
Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.993	1.051	0.033	1.084*
	Top	0.993	0.003	0.000	0.996
	Bottom	0.010	0.740	0.000	0.750
	Right	0.094	0.035	0.003	0.132
	Left	0.115	0.064	0.000	0.179

Table 11-157
Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	NB U-NII Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	1+2+3
Body SAR	Back	0.994	1.051	0.033	1.084*
	Top	0.859	0.003	0.000	0.862
	Bottom	0.035	0.740	0.000	0.775
	Right	0.102	0.035	0.003	0.140
	Left	0.994	0.064	0.000	1.058

Table 11-158
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.394	0.323	0.033	1.583*
	Top	0.013	0.260	0.012	0.000	0.285
	Bottom	0.314	0.015	0.151	0.000	0.480
	Right	0.000	1.154	0.000	0.003	1.157
	Left	0.975	0.002	0.333	0.000	1.310

FCC ID: BCGA2995	SAR EVALUATION REPORT			Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device			Page 338 of 387

REV 24.0
05/01/2024

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Table 11-159

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.394	0.323	0.033	1.348*
	Top	0.011	0.260	0.012	0.000	0.283
	Bottom	0.987	0.015	0.151	0.000	1.153
	Right	0.030	1.154	0.000	0.003	1.187
	Left	0.056	0.002	0.333	0.000	0.391

Table 11-160

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	1.022	0.033	1.449*
	Top	0.028	0.260	0.012	0.000	0.300
	Bottom	0.933	0.015	0.307	0.000	1.255
	Right	0.993	1.154	0.000	0.003	1.157*
	Left	0.085	0.002	1.117	0.000	1.204

Table 11-161

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.098	1.022	0.033	1.055*
	Top	0.325	0.069	0.012	0.000	0.406
	Bottom	0.004	0.015	0.307	0.000	0.326
	Right	0.894	0.300	0.000	0.003	1.197
	Left	0.000	0.002	1.117	0.000	1.119

Table 11-162

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.098	1.022	0.033	1.124*
	Top	0.993	0.069	0.012	0.000	1.074
	Bottom	0.010	0.015	0.307	0.000	0.332
	Right	0.094	0.300	0.000	0.003	0.397
	Left	0.115	0.002	1.117	0.000	1.234

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 339 of 387

REV 24.0
05/01/2024

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Table 11-163

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	2.4 GHz Bluetooth Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	1.022	0.033	1.421*
	Top	0.859	0.260	0.012	0.000	1.131
	Bottom	0.035	0.015	0.307	0.000	0.357
	Right	0.102	1.154	0.000	0.003	1.259
	Left	0.994	0.002	1.117	0.000	1.119*

Table 11-164

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.394	0.163	0.033	1.456
	Top	0.013	0.260	0.015	0.000	0.288
	Bottom	0.314	0.015	0.068	0.000	0.397
	Right	0.000	1.154	0.003	0.003	1.160
	Left	0.975	0.002	0.184	0.000	1.161

Table 11-165

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 1a with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.394	0.163	0.033	1.582
	Top	0.011	0.260	0.015	0.000	0.286
	Bottom	0.987	0.015	0.068	0.000	1.070
	Right	0.030	1.154	0.003	0.003	1.190
	Left	0.056	0.002	0.184	0.000	0.242

Table 11-166

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	0.981	0.033	1.421*
	Top	0.028	0.260	0.015	0.000	0.303
	Bottom	0.933	0.015	0.380	0.000	1.328
	Right	0.993	1.154	0.003	0.003	1.16*
	Left	0.085	0.002	1.008	0.000	1.095

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 340 of 387

REV 24.0
05/01/2024

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Table 11-167

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.098	0.981	0.033	1.014*
	Top	0.325	0.069	0.015	0.000	0.409
	Bottom	0.004	0.015	0.380	0.000	0.399
	Right	0.894	0.300	0.003	0.003	1.200
	Left	0.000	0.002	1.008	0.000	1.010

Table 11-168

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	2.4 GHz WIFI Ant 3a with 5 dB backoff SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.098	0.981	0.033	1.124*
	Top	0.993	0.069	0.015	0.000	1.077
	Bottom	0.010	0.015	0.380	0.000	0.405
	Right	0.094	0.300	0.003	0.003	0.400
	Left	0.115	0.002	1.008	0.000	1.125

Table 11-169

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz WIFI Ant 3a SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.394	0.981	0.033	1.421*
	Top	0.859	0.260	0.015	0.000	1.134
	Bottom	0.035	0.015	0.380	0.000	0.430
	Right	0.102	1.154	0.003	0.003	1.262
	Left	0.994	0.002	1.008	0.000	1.01*

Table 11-170

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.101	0.096	0.322	0.033	1.418
	Top	0.013	0.070	0.004	0.002	0.000	0.089
	Bottom	0.314	0.019	0.015	0.271	0.000	0.619
	Right	0.000	0.239	1.183	0.034	0.003	1.459
	Left	0.975	0.001	0.049	0.089	0.000	1.114

FCC ID: BCGA2995	SAR EVALUATION REPORT				Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device				Page 341 of 387

REV 24.0
05/01/2024

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Table 11-171

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.145	0.902	0.096	0.033	1.140*
	Top	0.013	0.015	1.182	0.004	0.000	1.214
	Bottom	0.314	0.061	0.000	0.015	0.000	0.390
	Right	0.000	0.003	0.089	1.183	0.003	1.278
	Left	0.975	0.164	0.081	0.049	0.000	1.269

Table 11-172

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.105	0.096	0.322	0.033	1.422
	Top	0.013	0.015	0.004	0.002	0.000	0.034
	Bottom	0.314	0.037	0.015	0.271	0.000	0.637
	Right	0.000	0.003	1.183	0.034	0.003	1.223
	Left	0.975	0.113	0.049	0.089	0.000	1.226

Table 11-173

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.101	0.902	0.096	0.033	1.132*
	Top	0.013	0.070	1.182	0.004	0.000	1.269
	Bottom	0.314	0.019	0.000	0.015	0.000	0.348
	Right	0.000	0.239	0.089	1.183	0.003	1.514
	Left	0.975	0.001	0.081	0.049	0.000	1.106

Table 11-174

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.101	0.096	0.322	0.033	1.544
	Top	0.011	0.070	0.004	0.002	0.000	0.087
	Bottom	0.987	0.019	0.015	0.271	0.000	1.292
	Right	0.030	0.239	1.183	0.034	0.003	1.489
	Left	0.056	0.001	0.049	0.089	0.000	0.195

Table 11-175

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.145	0.902	0.096	0.033	1.266*
	Top	0.011	0.015	1.182	0.004	0.000	1.212
	Bottom	0.987	0.061	0.000	0.015	0.000	1.063
	Right	0.030	0.003	0.089	1.183	0.003	1.308
	Left	0.056	0.164	0.081	0.049	0.000	0.350

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 342 of 387

REV 24.0
05/01/2024

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Table 11-176

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.105	0.096	0.322	0.033	1.548
	Top	0.011	0.015	0.004	0.002	0.000	0.032
	Bottom	0.987	0.037	0.015	0.271	0.000	1.310
	Right	0.030	0.003	1.183	0.034	0.003	1.253
	Left	0.056	0.113	0.049	0.089	0.000	0.307

Table 11-177

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.101	0.902	0.096	0.033	1.132*
	Top	0.011	0.070	1.182	0.004	0.000	1.267
	Bottom	0.987	0.019	0.000	0.015	0.000	1.021
	Right	0.030	0.239	0.089	1.183	0.003	1.544
	Left	0.056	0.001	0.081	0.049	0.000	0.187

Table 11-178

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.101	0.096	0.322	0.033	1.546
	Top	0.028	0.070	0.004	0.002	0.000	0.104
	Bottom	0.933	0.019	0.015	0.271	0.000	1.238
	Right	0.993	0.239	1.183	0.034	0.003	1.459*
	Left	0.085	0.001	0.049	0.089	0.000	0.224

Table 11-179

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.981	0.902	0.096	0.033	1.123*
	Top	0.028	0.015	1.182	0.004	0.000	1.229
	Bottom	0.933	0.380	0.000	0.015	0.000	1.328
	Right	0.993	0.003	0.089	1.183	0.003	1.278*
	Left	0.085	1.008	0.081	0.049	0.000	1.223

Table 11-180

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 1a with 8 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.105	0.096	0.322	0.033	1.550
	Top	0.028	0.015	0.004	0.002	0.000	0.049
	Bottom	0.933	0.037	0.015	0.271	0.000	1.256
	Right	0.993	0.003	1.183	0.034	0.003	1.223*
	Left	0.085	0.113	0.049	0.089	0.000	0.336

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 343 of 387

REV 24.0
05/01/2024

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Table 11-181

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.101	0.902	0.096	0.033	1.132*
	Top	0.028	0.070	1.182	0.004	0.000	1.284
	Bottom	0.933	0.019	0.000	0.015	0.000	0.967
	Right	0.993	0.239	0.089	1.183	0.003	1.514*
	Left	0.085	0.001	0.081	0.049	0.000	0.216

Table 11-182

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 7 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.074	0.096	1.182	0.033	1.215*
	Top	0.325	0.051	0.004	0.002	0.000	0.382
	Bottom	0.004	0.019	0.015	0.901	0.000	0.939
	Right	0.894	0.164	0.295	0.034	0.003	1.390
	Left	0.000	0.001	0.049	0.089	0.000	0.139

Table 11-183

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.981	0.246	0.096	0.033	1.014*
	Top	0.325	0.015	0.346	0.004	0.000	0.690
	Bottom	0.004	0.380	0.000	0.015	0.000	0.399
	Right	0.894	0.003	0.089	0.295	0.003	1.284
	Left	0.000	1.008	0.081	0.049	0.000	1.138

Table 11-184

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.145	0.096	1.182	0.033	1.36*
	Top	0.325	0.015	0.004	0.002	0.000	0.346
	Bottom	0.004	0.061	0.015	0.901	0.000	0.981
	Right	0.894	0.003	0.295	0.034	0.003	1.229
	Left	0.000	0.164	0.049	0.089	0.000	0.302

Table 11-185

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 7 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.074	0.246	0.096	0.033	0.975
	Top	0.325	0.051	0.346	0.004	0.000	0.726
	Bottom	0.004	0.019	0.000	0.015	0.000	0.038
	Right	0.894	0.164	0.089	0.295	0.003	1.445
	Left	0.000	0.001	0.081	0.049	0.000	0.131

FCC ID: BCGA2995	SAR EVALUATION REPORT					Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device					Page 344 of 387

REV 24.0
05/01/2024

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Table 11-186

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.083	0.096	1.182	0.033	1.215*
	Top	0.993	0.057	0.004	0.002	0.000	1.056
	Bottom	0.010	0.019	0.015	0.901	0.000	0.945
	Right	0.094	0.184	0.295	0.034	0.003	0.610
	Left	0.115	0.001	0.049	0.089	0.000	0.254

Table 11-187

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.981	0.246	0.096	0.033	1.368*
	Top	0.993	0.015	0.346	0.004	0.000	1.358
	Bottom	0.010	0.380	0.000	0.015	0.000	0.405
	Right	0.094	0.003	0.089	0.295	0.003	0.484
	Left	0.115	1.008	0.081	0.049	0.000	1.253

Table 11-188

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.083	0.246	0.096	0.033	1.451
	Top	0.993	0.057	0.346	0.004	0.000	1.400
	Bottom	0.010	0.019	0.000	0.015	0.000	0.044
	Right	0.094	0.184	0.089	0.295	0.003	0.665
	Left	0.115	0.001	0.081	0.049	0.000	0.246

Table 11-189

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	5 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.145	1.182	0.096	0.033	1.456*
	Top	0.993	0.015	0.002	0.004	0.000	1.014
	Bottom	0.010	0.061	0.901	0.015	0.000	0.987
	Right	0.094	0.003	0.034	0.295	0.003	0.429
	Left	0.115	0.164	0.089	0.049	0.000	0.417

Table 11-190

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.083	0.096	1.182	0.033	1.215*
	Top	0.859	0.057	0.004	0.002	0.000	0.922
	Bottom	0.035	0.019	0.015	0.901	0.000	0.970
	Right	0.102	0.184	1.183	0.034	0.003	1.506
	Left	0.994	0.001	0.049	0.089	0.000	1.133

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 345 of 387

REV 24.0
05/01/2024

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Table 11-191

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.981	0.096	0.246	0.033	1.369*
	Top	0.859	0.015	0.004	0.346	0.000	1.224
	Bottom	0.035	0.380	0.015	0.000	0.000	0.430
	Right	0.102	0.003	1.183	0.089	0.003	1.380
	Left	0.994	1.008	0.049	0.081	0.000	1.138*

Table 11-192

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.083	0.246	0.096	0.033	1.452
	Top	0.859	0.057	0.346	0.004	0.000	1.266
	Bottom	0.035	0.019	0.000	0.015	0.000	0.069
	Right	0.102	0.184	0.089	1.183	0.003	1.561
	Left	0.994	0.001	0.081	0.049	0.000	1.125

Table 11-193

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.145	1.182	0.096	0.033	1.36*
	Top	0.859	0.015	0.002	0.004	0.000	0.880
	Bottom	0.035	0.061	0.901	0.015	0.000	1.012
	Right	0.102	0.003	0.034	1.183	0.003	1.325
	Left	0.994	0.164	0.089	0.049	0.000	1.296

Table 11-194

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.101	0.097	0.399	0.033	1.496
	Top	0.013	0.070	0.013	0.000	0.000	0.096
	Bottom	0.314	0.019	0.001	0.361	0.000	0.695
	Right	0.000	0.239	0.906	0.017	0.003	1.165
	Left	0.975	0.001	0.035	0.044	0.000	1.055

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 346 of 387

REV 24.0
05/01/2024

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Table 11-195

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.145	0.883	0.097	0.033	1.141*
	Top	0.013	0.015	1.184	0.013	0.000	1.225
	Bottom	0.314	0.061	0.005	0.001	0.000	0.381
	Right	0.000	0.003	0.063	0.906	0.003	0.975
	Left	0.975	0.164	0.057	0.035	0.000	1.231

Table 11-196

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.105	0.097	0.399	0.033	1.500
	Top	0.013	0.015	0.013	0.000	0.000	0.041
	Bottom	0.314	0.037	0.001	0.361	0.000	0.713
	Right	0.000	0.003	0.906	0.017	0.003	0.929
	Left	0.975	0.113	0.035	0.044	0.000	1.167

Table 11-197

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.866	0.101	0.883	0.097	0.033	1.114*
	Top	0.013	0.070	1.184	0.013	0.000	1.280
	Bottom	0.314	0.019	0.005	0.001	0.000	0.339
	Right	0.000	0.239	0.063	0.906	0.003	1.211
	Left	0.975	0.001	0.057	0.035	0.000	1.068

Table 11-198

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.101	0.097	0.399	0.033	1.589*
	Top	0.011	0.070	0.013	0.000	0.000	0.094
	Bottom	0.987	0.019	0.001	0.361	0.000	1.368
	Right	0.030	0.239	0.906	0.017	0.003	1.195
	Left	0.056	0.001	0.035	0.044	0.000	0.136

Table 11-199

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.145	0.883	0.097	0.033	1.17*
	Top	0.011	0.015	1.184	0.013	0.000	1.223
	Bottom	0.987	0.061	0.005	0.001	0.000	1.054
	Right	0.030	0.003	0.063	0.906	0.003	1.005
	Left	0.056	0.164	0.057	0.035	0.000	0.312

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 347 of 387

REV 24.0
05/01/2024

Table 11-200

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.105	0.097	0.399	0.033	1.593*
	Top	0.011	0.015	0.013	0.000	0.000	0.039
	Bottom	0.987	0.037	0.001	0.361	0.000	1.386
	Right	0.030	0.003	0.906	0.017	0.003	0.959
	Left	0.056	0.113	0.035	0.044	0.000	0.248

Table 11-201

Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.992	0.101	0.883	0.097	0.033	1.114*
	Top	0.011	0.070	1.184	0.013	0.000	1.278
	Bottom	0.987	0.019	0.005	0.001	0.000	1.012
	Right	0.030	0.239	0.063	0.906	0.003	1.241
	Left	0.056	0.001	0.057	0.035	0.000	0.149

Table 11-202

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.101	0.097	0.399	0.033	1.591*
	Top	0.028	0.070	0.013	0.000	0.000	0.111
	Bottom	0.933	0.019	0.001	0.361	0.000	1.314
	Right	0.993	0.239	0.906	0.017	0.003	1.165*
	Left	0.085	0.001	0.035	0.044	0.000	0.165

Table 11-203

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.981	0.883	0.097	0.033	1.027*
	Top	0.028	0.015	1.184	0.013	0.000	1.240
	Bottom	0.933	0.380	0.005	0.001	0.000	1.319
	Right	0.993	0.003	0.063	0.906	0.003	1.062*
	Left	0.085	1.008	0.057	0.035	0.000	1.185

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 348 of 387

REV 24.0
05/01/2024

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Table 11-204

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 1a with 8 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.105	0.097	0.399	0.033	1.531*
	Top	0.028	0.015	0.013	0.000	0.000	0.056
	Bottom	0.933	0.037	0.001	0.361	0.000	1.332
	Right	0.993	0.003	0.906	0.017	0.003	1.016*
	Left	0.085	0.113	0.035	0.044	0.000	0.277

Table 11-205

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.101	0.883	0.097	0.033	1.114*
	Top	0.028	0.070	1.184	0.013	0.000	1.295
	Bottom	0.933	0.019	0.005	0.001	0.000	0.958
	Right	0.993	0.239	0.063	0.906	0.003	1.211*
	Left	0.085	0.001	0.057	0.035	0.000	0.178

Table 11-206

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 7 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.074	0.097	0.984	0.033	1.017*
	Top	0.325	0.051	0.013	0.000	0.000	0.389
	Bottom	0.004	0.019	0.001	0.896	0.000	0.920
	Right	0.894	0.164	0.463	0.017	0.003	1.541
	Left	0.000	0.001	0.035	0.044	0.000	0.080

Table 11-207

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.981	0.446	0.097	0.033	1.102*
	Top	0.325	0.015	0.433	0.013	0.000	0.786
	Bottom	0.004	0.380	0.005	0.001	0.000	0.390
	Right	0.894	0.003	0.063	0.463	0.003	1.426
	Left	0.000	1.008	0.057	0.035	0.000	1.100

Table 11-208

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.145	0.097	0.984	0.033	1.162*
	Top	0.325	0.015	0.013	0.000	0.000	0.353
	Bottom	0.004	0.061	0.001	0.896	0.000	0.962
	Right	0.894	0.003	0.463	0.017	0.003	1.380
	Left	0.000	0.164	0.035	0.044	0.000	0.243

FCC ID: BCGA2995	SAR EVALUATION REPORT					Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device					Page 349 of 387

REV 24.0
05/01/2024

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Table 11-209

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 7 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.526	0.074	0.446	0.097	0.033	1.176
	Top	0.325	0.051	0.433	0.013	0.000	0.822
	Bottom	0.004	0.019	0.005	0.001	0.000	0.029
	Right	0.894	0.164	0.063	0.463	0.003	1.587
	Left	0.000	0.001	0.057	0.035	0.000	0.093

Table 11-210

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.083	0.097	0.984	0.033	1.206*
	Top	0.993	0.057	0.013	0.000	0.000	1.063
	Bottom	0.010	0.019	0.001	0.896	0.000	0.926
	Right	0.094	0.184	0.463	0.017	0.003	0.761
	Left	0.115	0.001	0.035	0.044	0.000	0.195

Table 11-211

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.981	0.446	0.097	0.033	1.569*
	Top	0.993	0.015	0.433	0.013	0.000	1.454
	Bottom	0.010	0.380	0.005	0.001	0.000	0.396
	Right	0.094	0.003	0.063	0.463	0.003	0.626
	Left	0.115	1.008	0.057	0.035	0.000	1.215

Table 11-212

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.083	0.446	0.097	0.033	1.555*
	Top	0.993	0.057	0.433	0.013	0.000	1.496
	Bottom	0.010	0.019	0.005	0.001	0.000	0.035
	Right	0.094	0.184	0.063	0.463	0.003	0.807
	Left	0.115	0.001	0.057	0.035	0.000	0.208

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 350 of 387

REV 24.0
05/01/2024

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Table 11-213

Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	6 GHz WIFI Ant 5T with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.993	0.145	0.984	0.097	0.033	1.259*
	Top	0.993	0.015	0.000	0.013	0.000	1.021
	Bottom	0.010	0.061	0.896	0.001	0.000	0.968
	Right	0.094	0.003	0.017	0.463	0.003	0.580
	Left	0.115	0.164	0.044	0.035	0.000	0.358

Table 11-214

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.083	0.097	0.984	0.033	1.207*
	Top	0.859	0.057	0.013	0.000	0.000	0.929
	Bottom	0.035	0.019	0.001	0.896	0.000	0.951
	Right	0.102	0.184	0.906	0.017	0.003	1.212
	Left	0.994	0.001	0.035	0.044	0.000	1.074

Table 11-215

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 1a SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.981	0.097	0.446	0.033	1.57*
	Top	0.859	0.015	0.013	0.433	0.000	1.320
	Bottom	0.035	0.380	0.001	0.005	0.000	0.421
	Right	0.102	0.003	0.906	0.063	0.003	1.077
	Left	0.994	1.008	0.035	0.057	0.000	1.1*

Table 11-216

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 3a with 6.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.083	0.446	0.097	0.033	1.556*
	Top	0.859	0.057	0.433	0.013	0.000	1.362
	Bottom	0.035	0.019	0.005	0.001	0.000	0.060
	Right	0.102	0.184	0.063	0.906	0.003	1.258
	Left	0.994	0.001	0.057	0.035	0.000	1.087

Table 11-217

Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 1a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.994	0.145	0.984	0.097	0.033	1.162*
	Top	0.859	0.015	0.000	0.013	0.000	0.887
	Bottom	0.035	0.061	0.896	0.001	0.000	0.993
	Right	0.102	0.003	0.017	0.906	0.003	1.031
	Left	0.994	0.164	0.044	0.035	0.000	1.237

FCC ID: BCGA2995	SAR EVALUATION REPORT					Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device					Page 351 of 387

REV 24.0
05/01/2024

Table 11-218
Simultaneous Transmission Scenario with 5 GHz WIFI and wPT

Simult Tx	Configuration	802.15.4 Ant 3a with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.113	0.096	1.182	0.033	1.424
	Top	0.079	0.004	0.002	0.000	0.085
	Bottom	0.019	0.015	0.901	0.000	0.935
	Right	0.268	1.183	0.034	0.003	1.488
	Left	0.001	0.049	0.089	0.000	0.139

Table 11-219
Simultaneous Transmission Scenario with 5 GHz WIFI and wPT

Simult Tx	Configuration	802.15.4 Ant 3a with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 3b SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.113	0.902	0.096	0.033	1.144
	Top	0.079	1.182	0.004	0.000	1.265
	Bottom	0.019	0.000	0.015	0.000	0.034
	Right	0.268	0.089	1.183	0.003	1.543
	Left	0.001	0.081	0.049	0.000	0.131

Table 11-220
Simultaneous Transmission Scenario with 5 GHz WIFI and wPT

Simult Tx	Configuration	802.15.4 Ant 1a with 5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 5T SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.163	0.096	1.182	0.033	1.474
	Top	0.015	0.004	0.002	0.000	0.021
	Bottom	0.068	0.015	0.901	0.000	0.984
	Right	0.003	1.183	0.034	0.003	1.223
	Left	0.184	0.049	0.089	0.000	0.322

Table 11-221
Simultaneous Transmission Scenario with 6 GHz WIFI and wPT

Simult Tx	Configuration	802.15.4 Ant 3a with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.113	0.097	0.984	0.033	1.227
	Top	0.079	0.013	0.000	0.000	0.092
	Bottom	0.019	0.001	0.896	0.000	0.916
	Right	0.268	0.906	0.017	0.003	1.194
	Left	0.001	0.035	0.044	0.000	0.080

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 352 of 387

REV 24.0
05/01/2024

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Table 11-222
Simultaneous Transmission Scenario with 6 GHz WIFI and wPT

Simult Tx	Configuration	802.15.4 Ant 3a with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 3b SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.113	0.883	0.097	0.033	1.126
	Top	0.079	1.184	0.013	0.000	1.276
	Bottom	0.019	0.005	0.001	0.000	0.025
	Right	0.268	0.063	0.906	0.003	1.240
	Left	0.001	0.057	0.035	0.000	0.093

Table 11-223
Simultaneous Transmission Scenario with 6 GHz WIFI and wPT

Simult Tx	Configuration	802.15.4 Ant 1a with 5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 5T SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.163	0.097	0.984	0.033	1.277
	Top	0.015	0.013	0.000	0.000	0.028
	Bottom	0.068	0.001	0.896	0.000	0.965
	Right	0.003	0.906	0.017	0.003	0.929
	Left	0.184	0.035	0.044	0.000	0.263

Table 11-224
Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.474	0.322	0.033	1.221*
	Top	0.013	0.324	0.002	0.000	0.339
	Bottom	0.314	0.019	0.271	0.000	0.604
	Right	0.000	1.067	0.034	0.003	1.104
	Left	0.975	0.001	0.089	0.000	1.065

Table 11-225
Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.474	0.322	0.033	1.347*
	Top	0.011	0.324	0.002	0.000	0.337
	Bottom	0.987	0.019	0.271	0.000	1.277
	Right	0.030	1.067	0.034	0.003	1.134
	Left	0.056	0.001	0.089	0.000	0.146

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 353 of 387

REV 24.0
05/01/2024

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Table 11-226**Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	5 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.474	0.322	0.033	1.501*
	Top	0.028	0.324	0.002	0.000	0.354
	Bottom	0.933	0.019	0.271	0.000	1.223
	Right	0.993	1.067	0.034	0.003	1.104*
	Left	0.085	0.001	0.089	0.000	0.175

Table 11-227**Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.101	1.182	0.033	1.215*
	Top	0.325	0.070	0.002	0.000	0.397
	Bottom	0.004	0.019	0.901	0.000	0.924
	Right	0.894	0.239	0.034	0.003	1.170
	Left	0.000	0.001	0.089	0.000	0.090

Table 11-228**Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	5 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.474	1.182	0.033	1.501*
	Top	0.859	0.324	0.002	0.000	1.185
	Bottom	0.035	0.019	0.901	0.000	0.955
	Right	0.102	1.067	0.034	0.003	1.206
	Left	0.994	0.001	0.089	0.000	1.084

Table 11-229**Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.866	0.474	0.399	0.033	1.298*
	Top	0.013	0.324	0.000	0.000	0.337
	Bottom	0.314	0.019	0.361	0.000	0.694
	Right	0.000	1.067	0.017	0.003	1.087
	Left	0.975	0.001	0.044	0.000	1.020

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 354 of 387

REV 24.0
05/01/2024

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Table 11-230**Cellular Band Ant 1b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.992	0.474	0.399	0.033	1.424*
	Top	0.011	0.324	0.000	0.000	0.335
	Bottom	0.987	0.019	0.361	0.000	1.367
	Right	0.030	1.067	0.017	0.003	1.117
	Left	0.056	0.001	0.044	0.000	0.101

Table 11-231**Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	6 GHz WIFI Ant 1b with 5 dB backoff SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.474	0.399	0.033	1.501*
	Top	0.028	0.324	0.000	0.000	0.352
	Bottom	0.933	0.019	0.361	0.000	1.313
	Right	0.993	1.067	0.017	0.003	1.087*
	Left	0.085	0.001	0.044	0.000	0.130

Table 11-232**Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	802.15.4 Ant 3a with 5.5 dB backoff SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.101	0.984	0.033	1.017*
	Top	0.325	0.070	0.000	0.000	0.395
	Bottom	0.004	0.019	0.896	0.000	0.919
	Right	0.894	0.239	0.017	0.003	1.153
	Left	0.000	0.001	0.044	0.000	0.045

Table 11-233**Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	802.15.4 Ant 3a SAR (W/kg)	6 GHz WIFI Ant 1b SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.994	0.474	0.984	0.033	1.501*
	Top	0.859	0.324	0.000	0.000	1.183
	Bottom	0.035	0.019	0.896	0.000	0.950
	Right	0.102	1.067	0.017	0.003	1.189
	Left	0.994	0.001	0.044	0.000	1.039

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 355 of 387

REV 24.0
05/01/2024

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Table 11-234

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 5T with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.072	0.894	0.033	1.525
	Top	0.325	0.001	0.008	0.000	0.334
	Bottom	0.004	0.005	0.343	0.000	0.352
	Right	0.894	0.289	0.000	0.003	1.186
	Left	0.000	0.022	1.163	0.000	1.185

Table 11-235

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a SAR (W/kg)	NB U-NII Ant 3b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.526	0.235	0.894	0.033	0.927*
	Top	0.325	0.323	0.008	0.000	0.656
	Bottom	0.004	0.007	0.343	0.000	0.354
	Right	0.894	0.057	0.000	0.003	0.954
	Left	0.000	0.062	1.163	0.000	1.225

Table 11-236

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 5T with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.072	0.894	0.033	1.098*
	Top	0.993	0.001	0.008	0.000	1.002
	Bottom	0.010	0.005	0.343	0.000	0.358
	Right	0.094	0.289	0.000	0.003	0.386
	Left	0.115	0.022	1.163	0.000	1.300

Table 11-237

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b SAR (W/kg)	NB U-NII Ant 3b with 5.5 dB backoff SAR (W/kg)	2.4 GHz WIFI Ant 1a SAR (W/kg)	wPT SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.993	0.235	0.894	0.033	1.261*
	Top	0.993	0.323	0.008	0.000	1.324
	Bottom	0.010	0.007	0.343	0.000	0.360
	Right	0.094	0.057	0.000	0.003	0.154
	Left	0.115	0.062	1.163	0.000	1.340

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 356 of 387

REV 24.0
05/01/2024

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11.2 Spatial Separation Analysis

Per FCC KDB Publication 248227, antennas may be considered spatially separated when the aggregate SAR from multiple antennas at any location in the combined SAR distribution is either ≤ 1.2 W/kg where at least 90% of the SAR is attributed to a single SAR distribution or ≤ 0.4 W/kg where no more than one SAR distribution is contributing > 0.1 W/kg.

Spatial separation was determined by inspection of the area scan SAR distributions to confirm that at all locations, SAR was < 1.2 W/kg, where at least 90% of the SAR is attributed to a single SAR distribution. See below for illustrations of the spatial separated antennas considered.

11.2.1 Back Side Spatial Separation Analysis

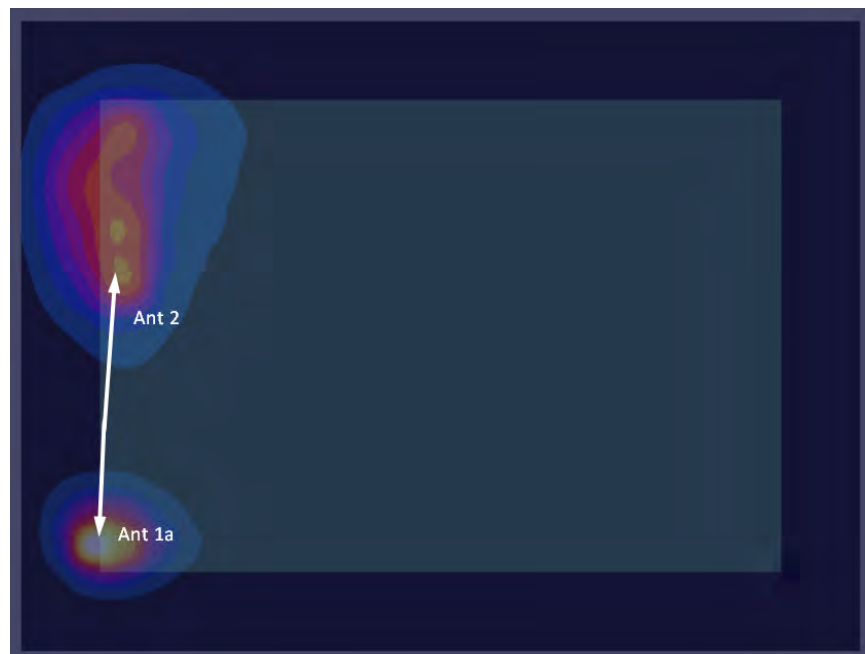


Figure 11-1
Back Side Spatial Separation for Antenna 1a and Antenna 2

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 357 of 387

REV 24.0
05/01/2024

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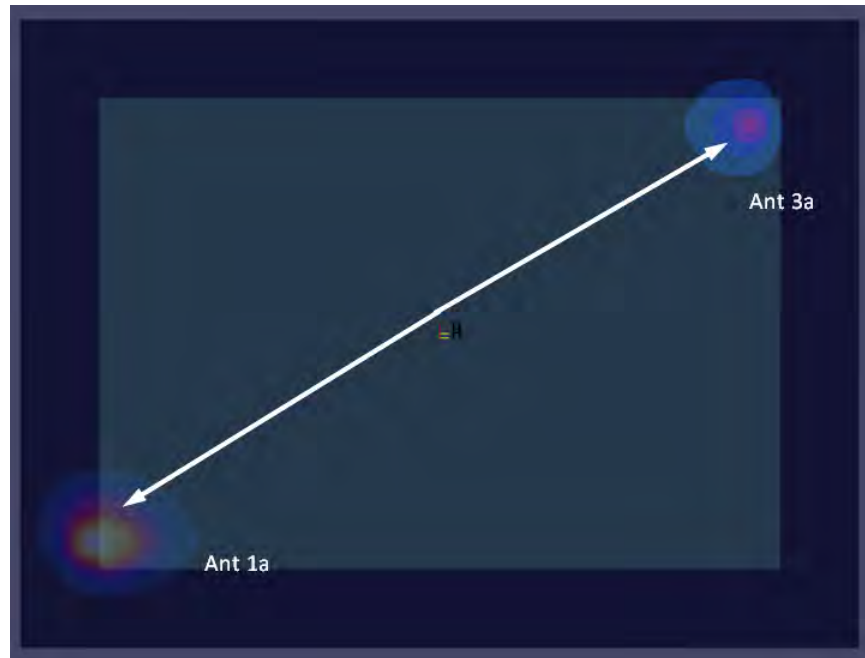


Figure 11-2
Back Side Spatial Separation for Antenna 1a and Antenna 3a

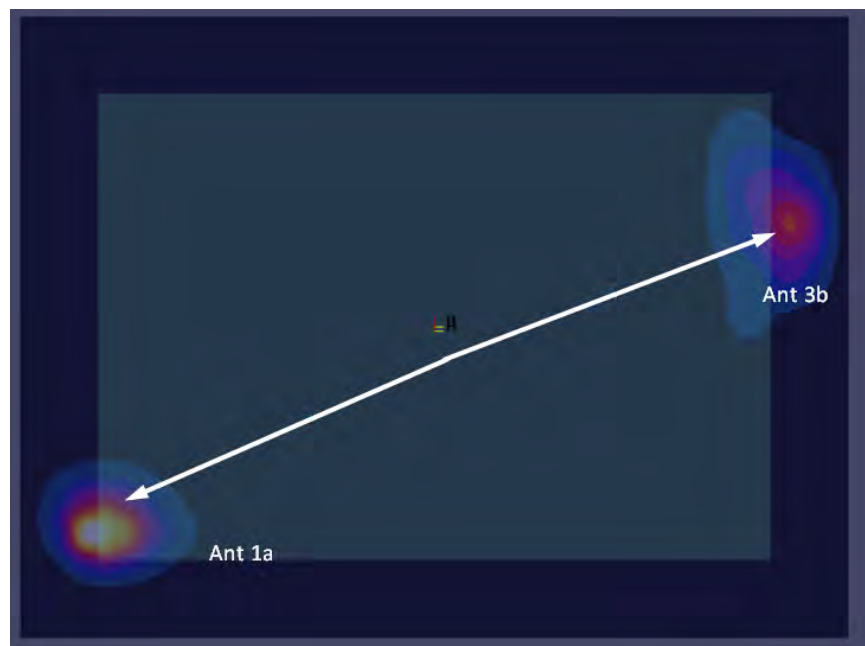


Figure 11-3
Back Side Spatial Separation for Antenna 1a and Antenna 3b

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 358 of 387

REV 24.0
05/01/2024

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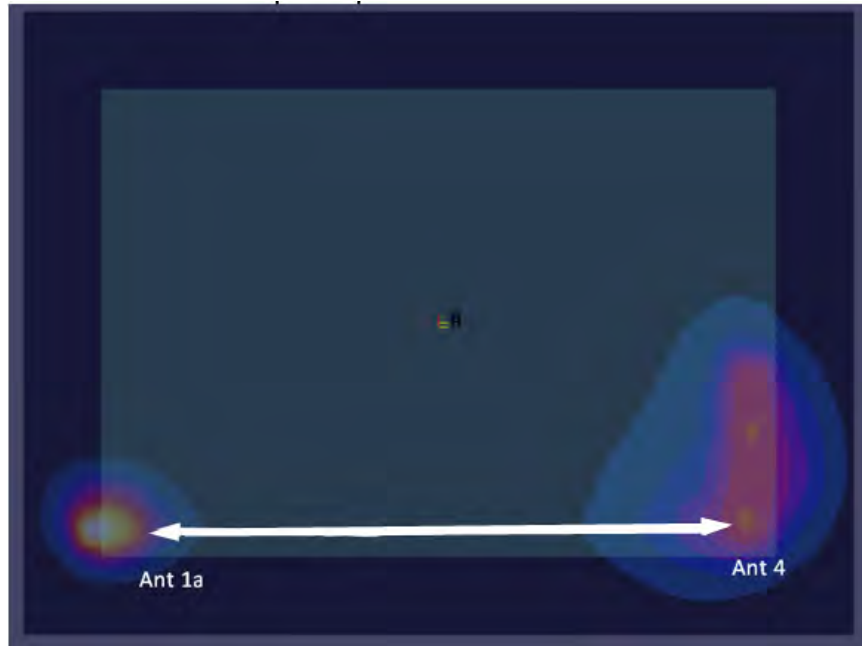


Figure 11-4
Back Side Spatial Separation for Antenna 1a and Antenna 4

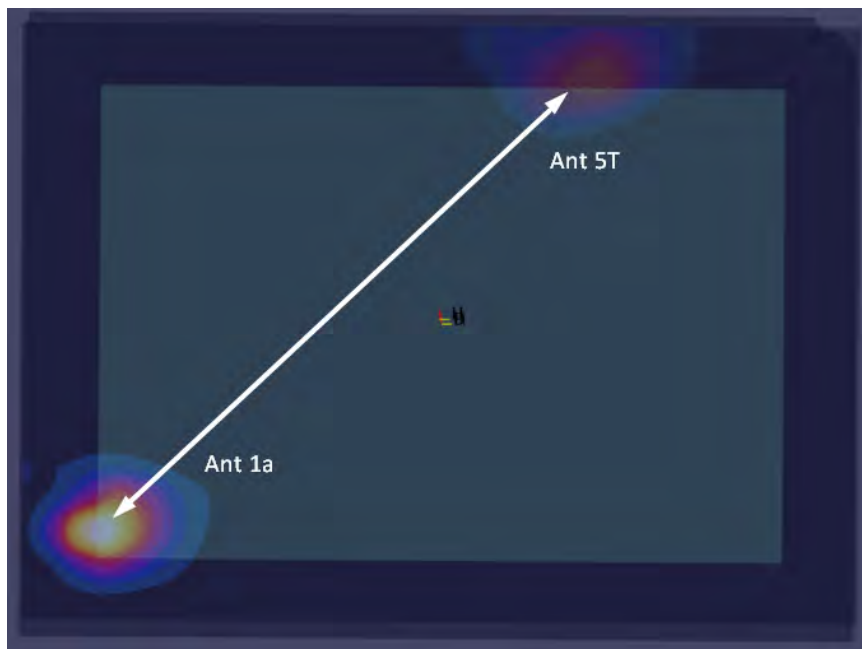


Figure 11-5
Back Side Spatial Separation for Antenna 1a and Antenna 5T

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 359 of 387

REV 24.0
05/01/2024

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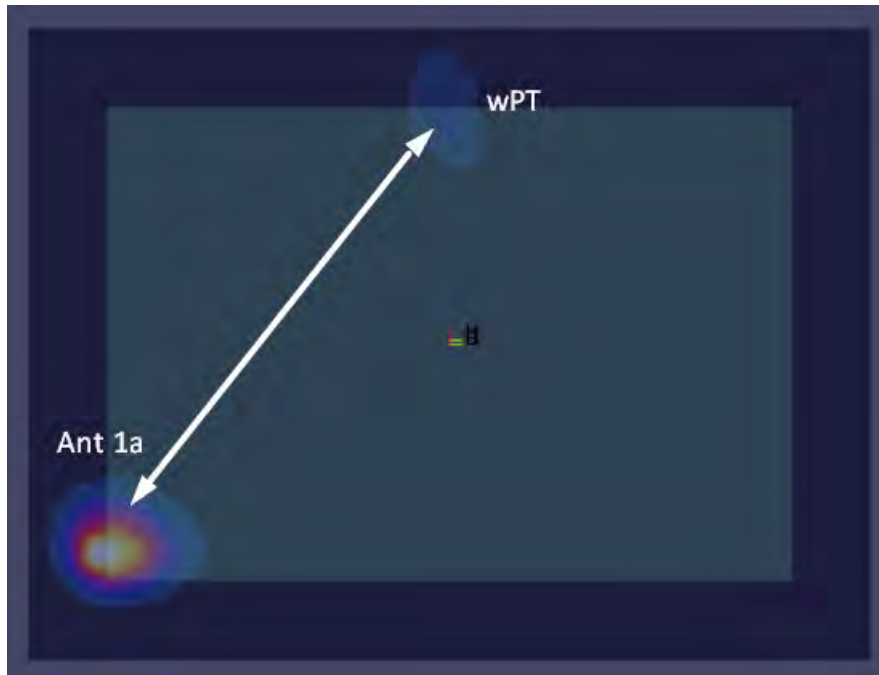


Figure 11-6
Back Side Spatial Separation for Antenna 1a and wPT

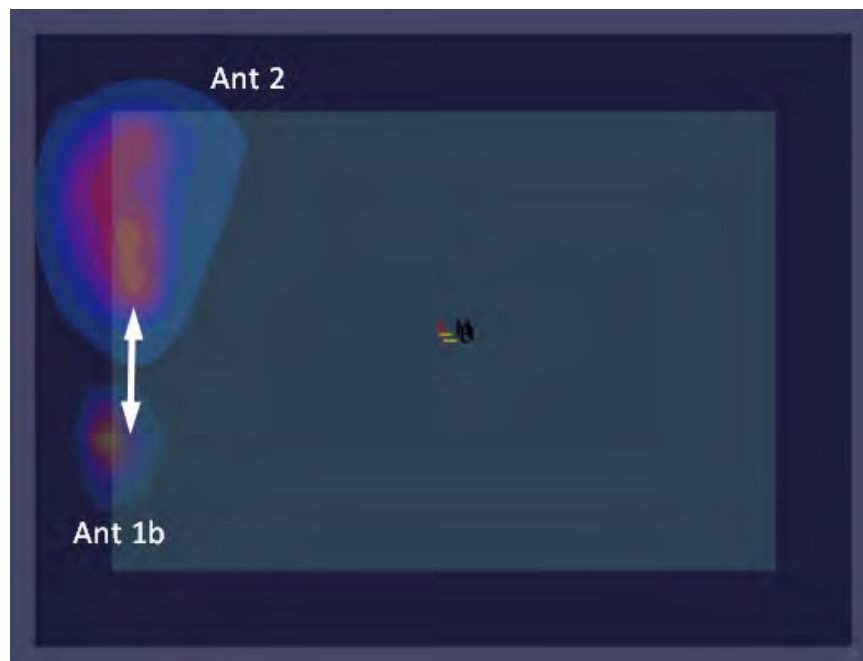


Figure 11-7
Back Side Spatial Separation for Antenna 1b and Antenna 2

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 360 of 387

REV 24.0
05/01/2024

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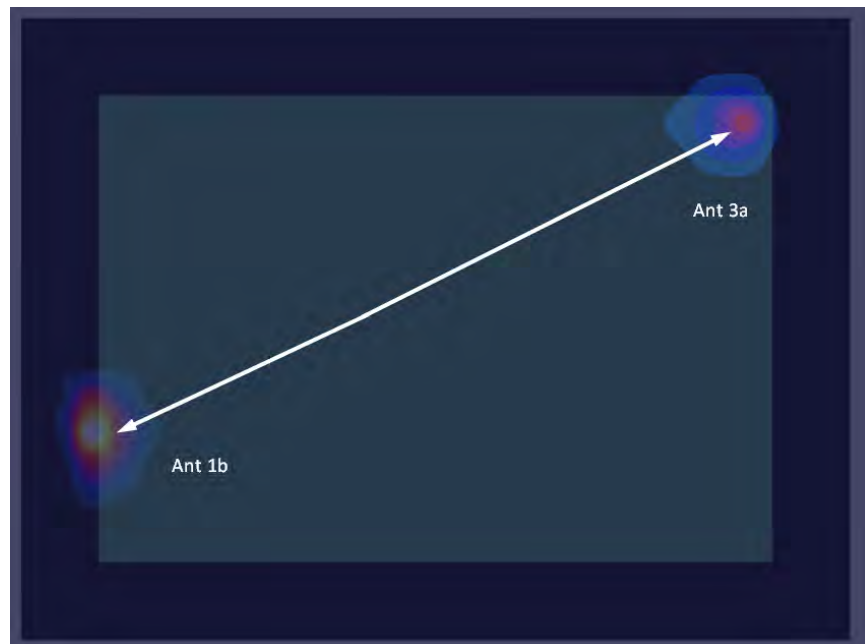


Figure 11-8
Back Side Spatial Separation for Antenna 1b and Antenna 3a

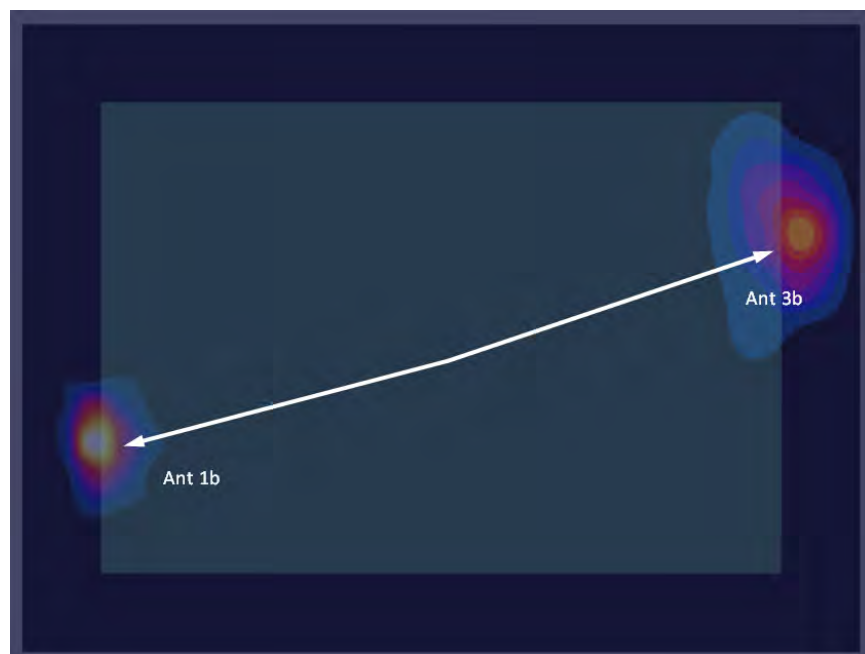


Figure 11-9
Back Side Spatial Separation for Antenna 1b and Antenna 3b

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 361 of 387

REV 24.0
05/01/2024

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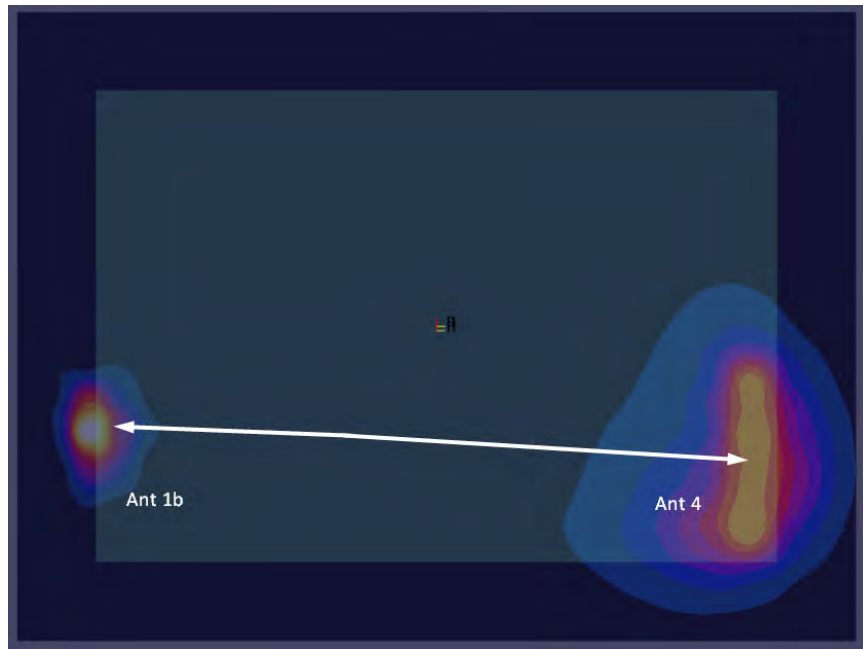


Figure 11-10
Back Side Spatial Separation for Antenna 1b and Antenna 4

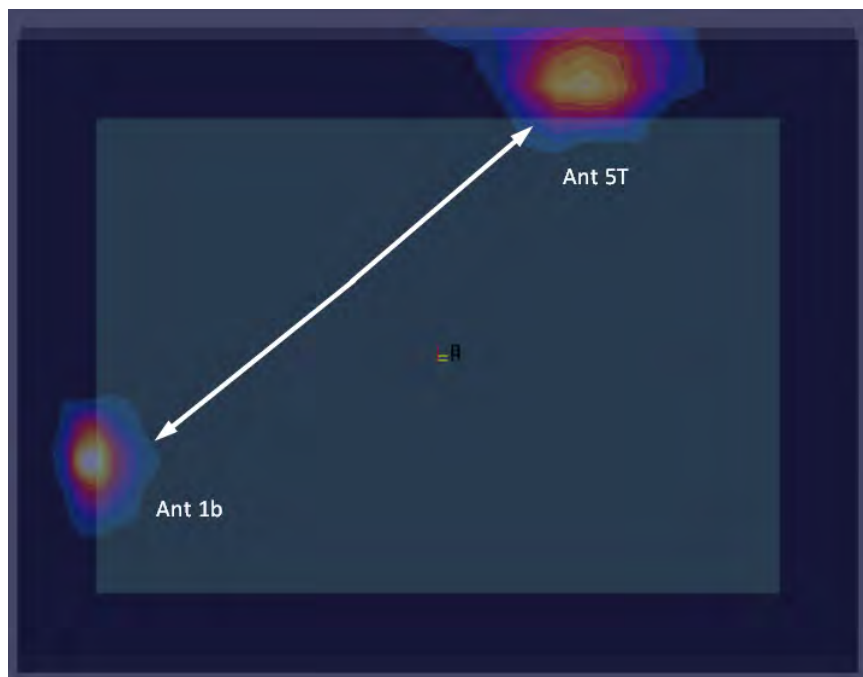


Figure 11-11
Back Side Spatial Separation for Antenna 1b and Antenna 5T

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 362 of 387

REV 24.0
05/01/2024

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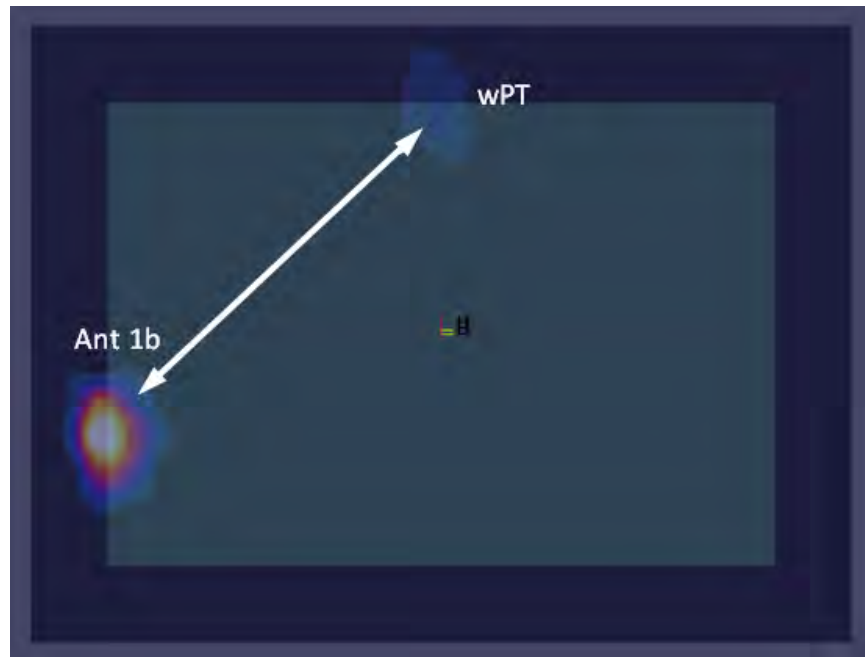


Figure 11-12
Back Side Spatial Separation for Antenna 1b and wPT

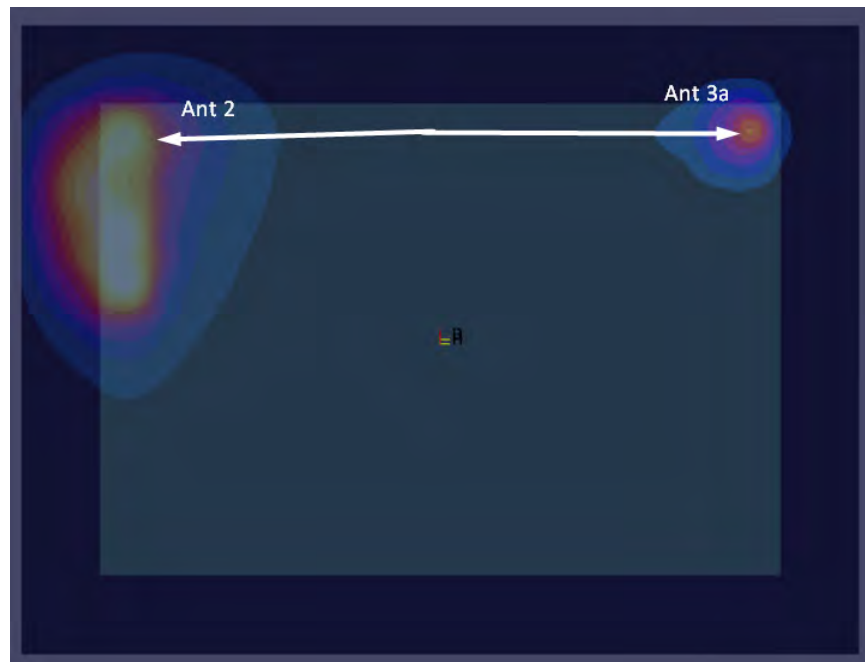


Figure 11-13
Back Side Spatial Separation for Antenna 2 and Antenna 3a

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 363 of 387

REV 24.0
05/01/2024

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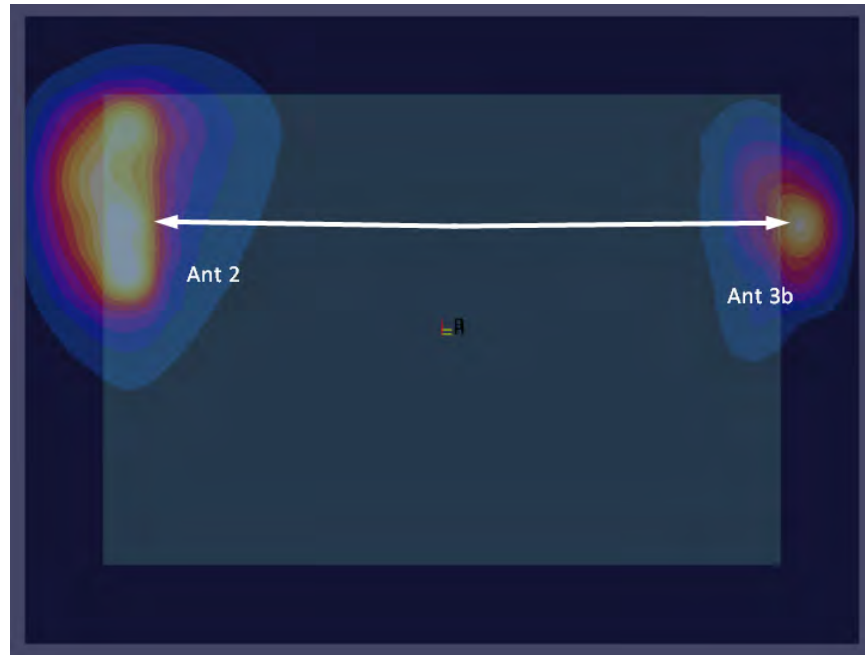


Figure 11-14
Back Side Spatial Separation for Antenna 2 and Antenna 3b

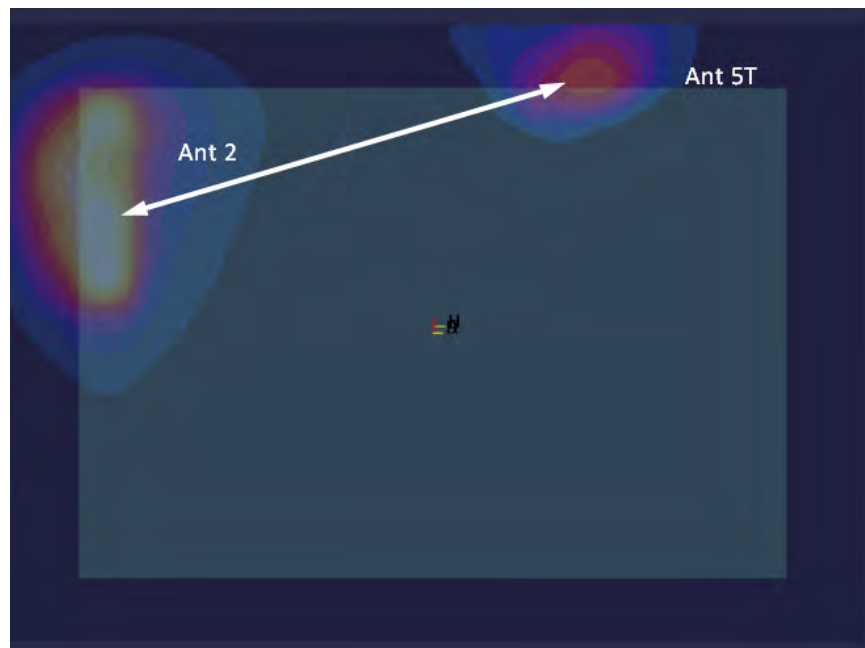


Figure 11-15
Back Side Spatial Separation for Antenna 2 and Antenna 5T

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 364 of 387

REV 24.0
05/01/2024

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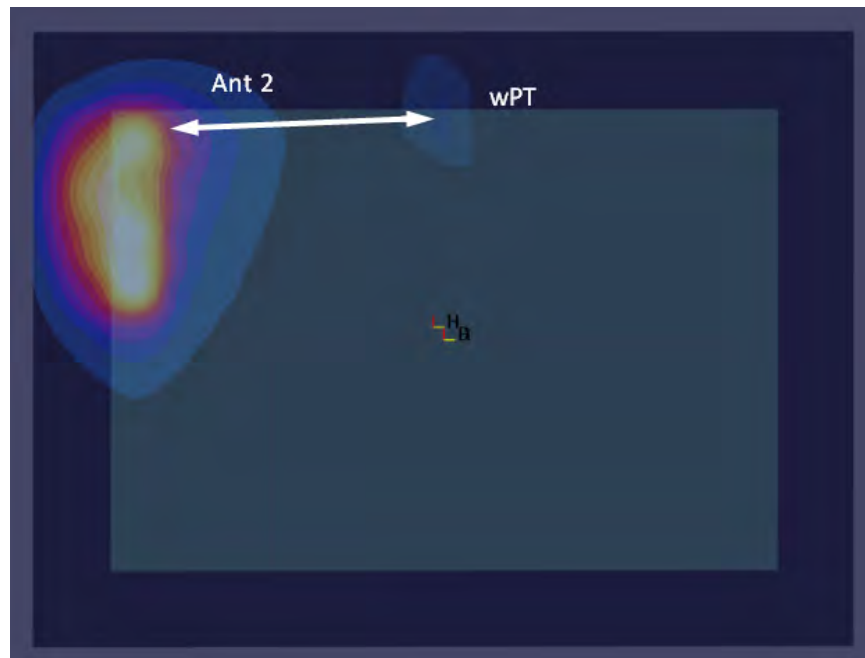


Figure 11-16
Back Side Spatial Separation for Antenna 2 and wPT

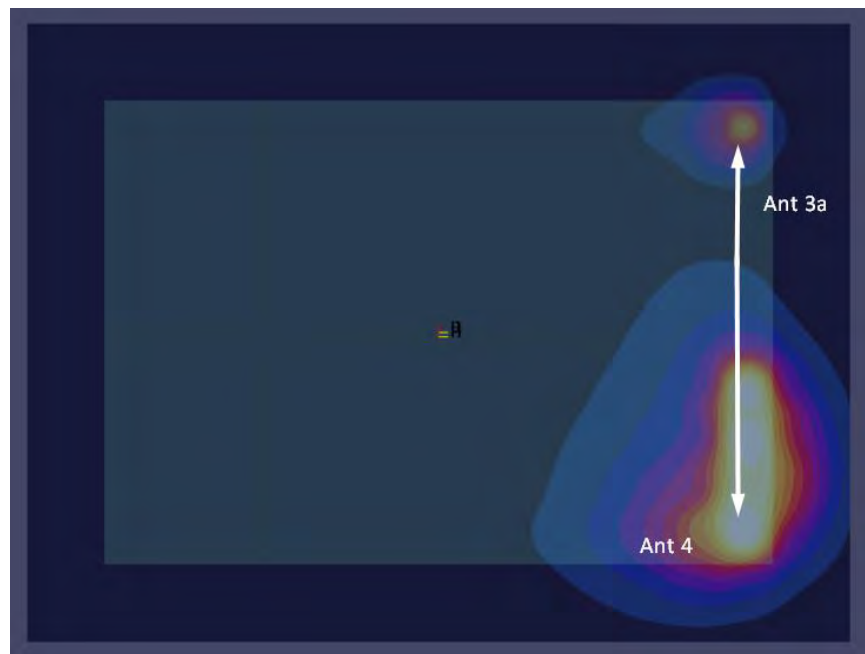


Figure 11-17
Back Side Spatial Separation for Antenna 3a and Antenna 4

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 365 of 387

REV 24.0
05/01/2024



Figure 11-18
Back Side Spatial Separation for Antenna 3a and Antenna 5T



Figure 11-19
Back Side Spatial Separation for Antenna 3a and wPT

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 366 of 387

REV 24.0
05/01/2024

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Figure 11-20
Back Side Spatial Separation for Antenna 3b and Antenna 5T

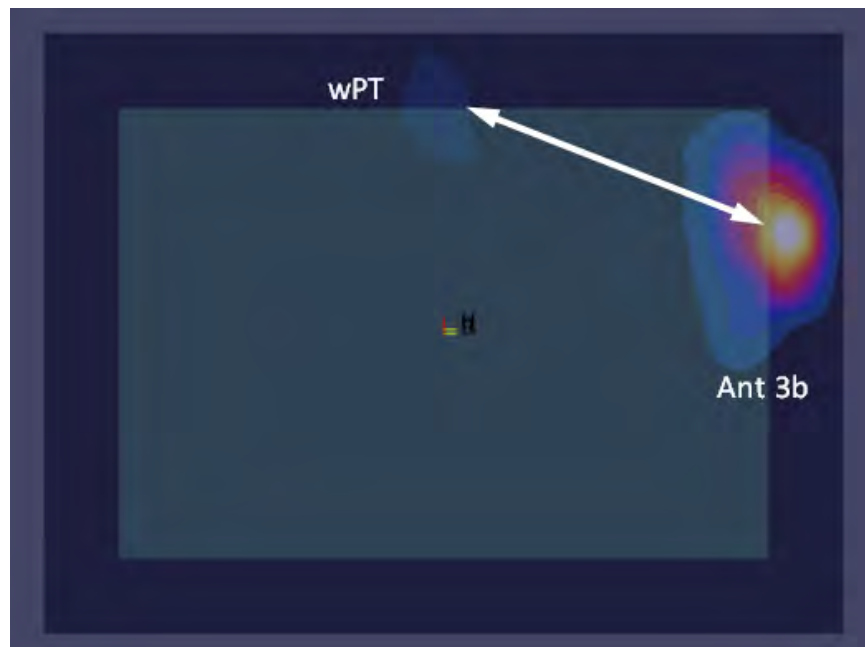


Figure 11-21
Back Side Spatial Separation for Antenna 3b and wPT

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 367 of 387

REV 24.0
05/01/2024

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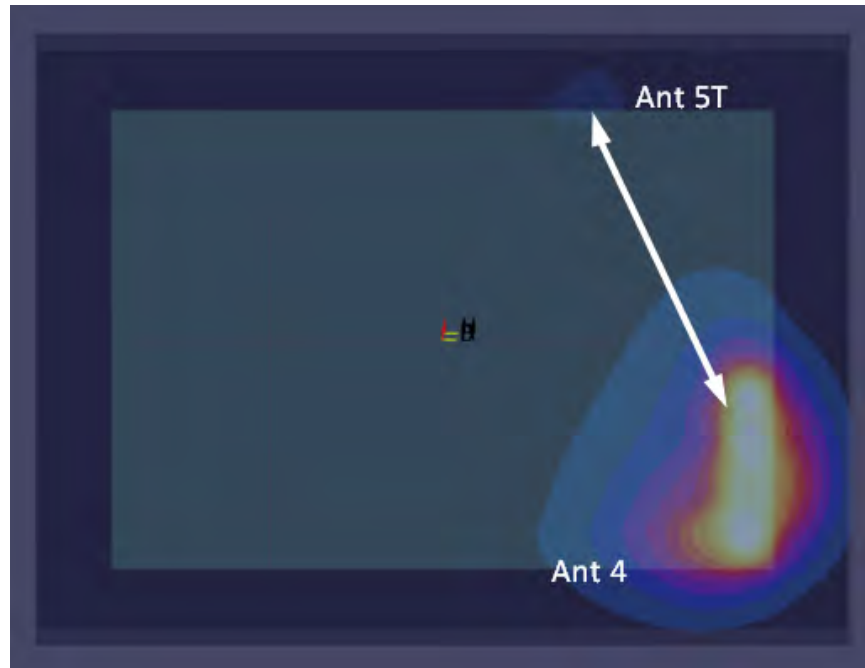


Figure 11-22
Back Side Spatial Separation for Antenna 4 and Antenna 5T

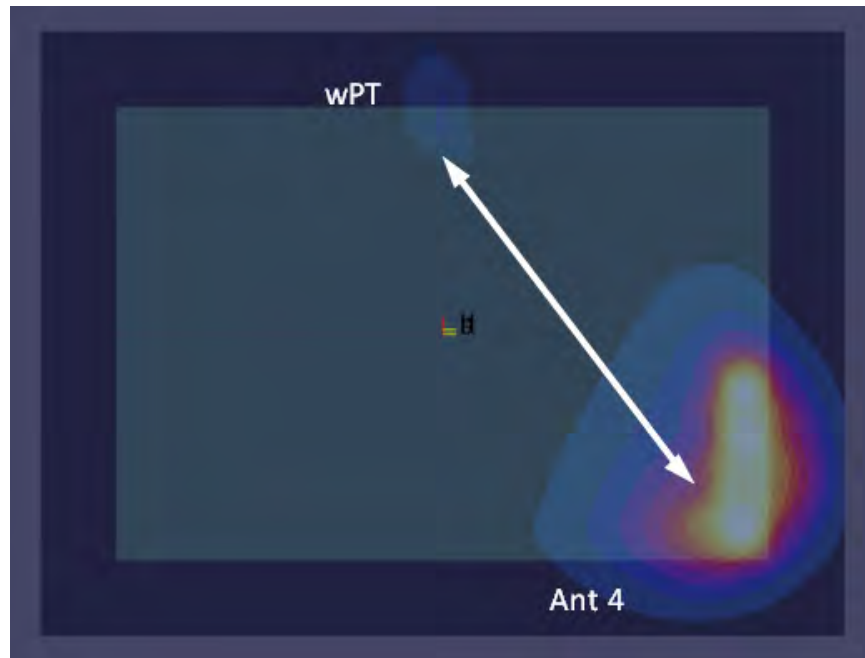


Figure 11-23
Back Side Spatial Separation for Antenna 4 and wPT

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 368 of 387

REV 24.0
05/01/2024

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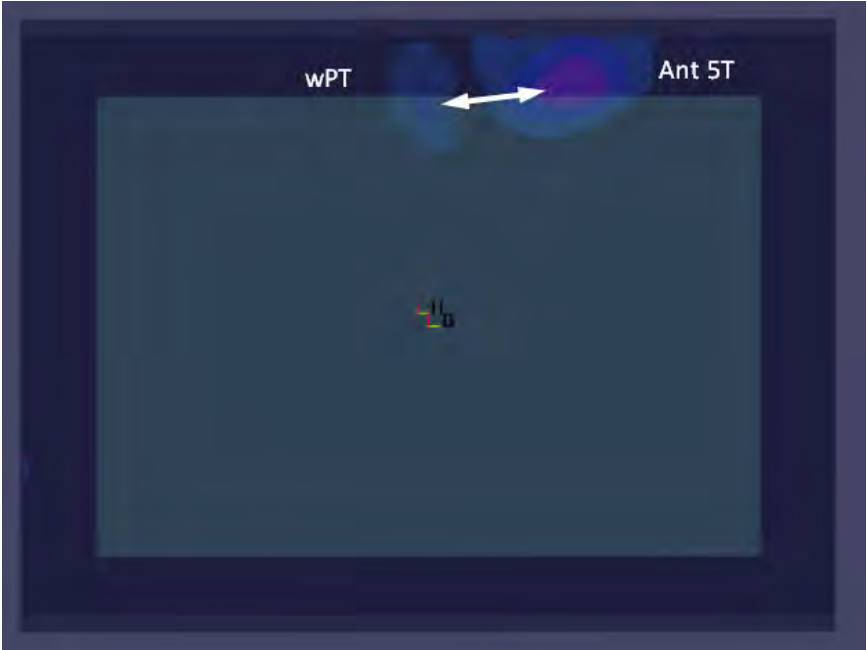


Figure 11-24
Back Side Spatial Separation for Antenna 5T and wPT

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 369 of 387

REV 24.0
05/01/2024

7.2.1 Right Edge Spatial Separation Analysis

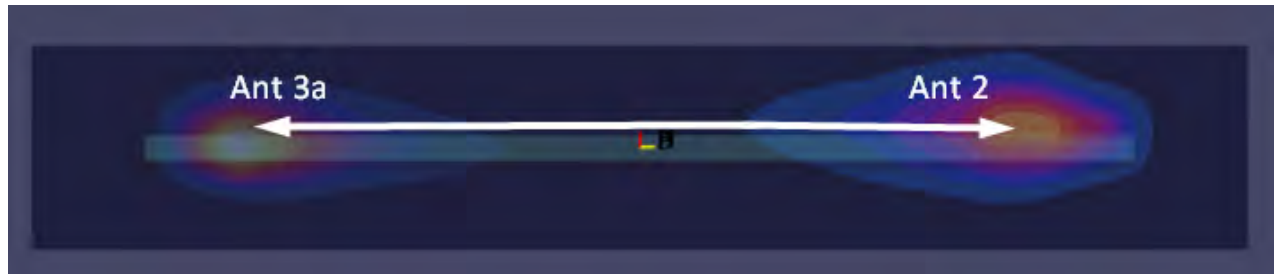


Figure 11-25
Right Edge Spatial Separation for Antenna 2 and Antenna 3a



Figure 11-26
Right Edge Spatial Separation for Antenna 2 and Antenna 3b

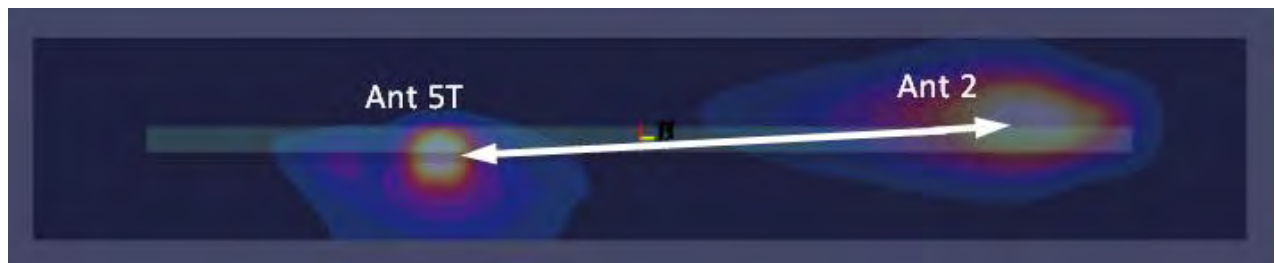


Figure 11-27
Right Edge Spatial Separation for Antenna 2 and Antenna 5T

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 370 of 387

REV 24.0
05/01/2024

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7.2.2 Left Edge Spatial Separation Analysis



Figure 11-28
Left Edge Spatial Separation for Antenna 1a and Antenna 4

11.3 Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528-2013 Section 6.3.4.1.2.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 371 of 387

REV 24.0
05/01/2024

12 SAR MEASUREMENT VARIABILITY

12.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
- 4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg.
- 5) When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

Table 12-1
Body SAR Measurement Variability Results

BODY VARIABILITY RESULTS															
Band	FREQUENCY		Mode	Service	Ant	Data Rate (Mbps)	Side	Spacing	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio	2nd Repeated SAR (1g)	Ratio	3rd Repeated SAR (1g)	Ratio
	MHz	Ch.							(W/kg)	(W/kg)		(W/kg)		(W/kg)	
750	782.0	23230	LTE Band 13, 10 MHz Bandwidth	QPSK, 50 RB, 0 RB Offset	Ant 4	N/A	Back	0 mm	0.944	0.918	1.03	N/A	N/A	N/A	N/A
835	819.00	26740	LTE Band 26, 10 MHz Bandwidth	QPSK, 1 RB, 0 RB Offset	Ant 4	N/A	Back	0 mm	0.908	0.879	1.03	N/A	N/A	N/A	N/A
1750	1770.00	132572	LTE Band 66, 20 MHz Bandwidth	QPSK, 50 RB, 25 RB Offset	Ant 1b	N/A	Back	0 mm	0.909	0.908	1.00	N/A	N/A	N/A	N/A
1900	1882.50	376500	NR Band n25, 40 MHz Bandwidth	QPSK, 1 RB, 1 RB Offset	Ant 3b	N/A	Back	0 mm	0.879	0.874	1.01	N/A	N/A	N/A	N/A
2300	2310.00	462000	NR Band n30, 10 MHz Bandwidth	QPSK, 1 RB, 1 RB Offset	Ant 3b	N/A	Back	0 mm	0.803	0.772	1.04	N/A	N/A	N/A	N/A
2450	2440.00	18	802.15.4	N/A	Ant 1a	1.00	Left	0 mm	1.310	1.180	1.11	N/A	N/A	N/A	N/A
2600	2535.00	507000	NR Band n7, 40 MHz Bandwidth	QPSK, 1 RB, 1 RB Offset	Ant 1b	N/A	Back	0 mm	0.934	0.922	1.01	N/A	N/A	N/A	N/A
3500	3570.00	638000	NR Band n48, 40 MHz Bandwidth	QPSK, 1 RB, 104 RB Offset	Ant 3a	N/A	Right	0 mm	0.832	0.815	1.02	N/A	N/A	N/A	N/A
3700	3750.00	650000	NR Band n77, 100 MHz Bandwidth	QPSK, 270 RB, 0 RB Offset	Ant 4	N/A	Back	0 mm	0.981	0.942	1.04	N/A	N/A	N/A	N/A
3900	3930.00	662000	NR Band n77, 100 MHz Bandwidth	QPSK, 1 RB, 137 RB Offset	Ant 4	N/A	Left	0 mm	0.885	0.868	1.02	N/A	N/A	N/A	N/A
5250	5162.00	Low	NB U-NII 1	HDR4	Ant 3b	4.00	Top	0 mm	0.964	0.938	1.03	N/A	N/A	N/A	N/A
5600	5530.00	106	5 GHz WiFi/ IEEE 802.11ac, 80 MHz Bandwidth	OFDM	Ant 3b	29.30	Top	0 mm	1.090	1.090	1.00	N/A	N/A	N/A	N/A
5750	5775.00	155	5 GHz WiFi/ IEEE 802.11ac, 80 MHz Bandwidth	OFDM	Ant 5T	29.30	Right	0 mm	1.080	1.060	1.02	N/A	N/A	N/A	N/A
6500	6345.00	79	6 GHz WiFi/ IEEE 802.11ax, 160 MHz Bandwidth	OFDM	Ant 1b	68.10	Back	0 mm	0.877	0.849	1.03	N/A	N/A	N/A	N/A
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population									Body 1.6 W/kg (mW/g) averaged over 1 gram						

12.2 Measurement Uncertainty

The measured SAR was < 1.5 W/kg for 1g and < 3.75 W/kg for 10g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE 1528-2013 was not required.

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 372 of 387

REV 24.0
05/01/2024

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13 ADDITIONAL TESTING PER FCC GUIDANCE

13.1 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear. When ULCA is active, the linearity between the Power Class 2 with ULCA active and Power Class 3 with ULCA active SAR results and the respective frame averaged powers was calculated to determine that the results were linear. Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

Table 13-1
LTE Band 41 Body Linearity Data – Antenna 1b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.00	15.60
Measured Output Power (dBm)	13.31	15.01
Measured SAR (W/kg)	0.800	0.815
Measured Power (mW)	21.43	31.70
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	13.56	13.72
% deviation from expected linearity		0.69%

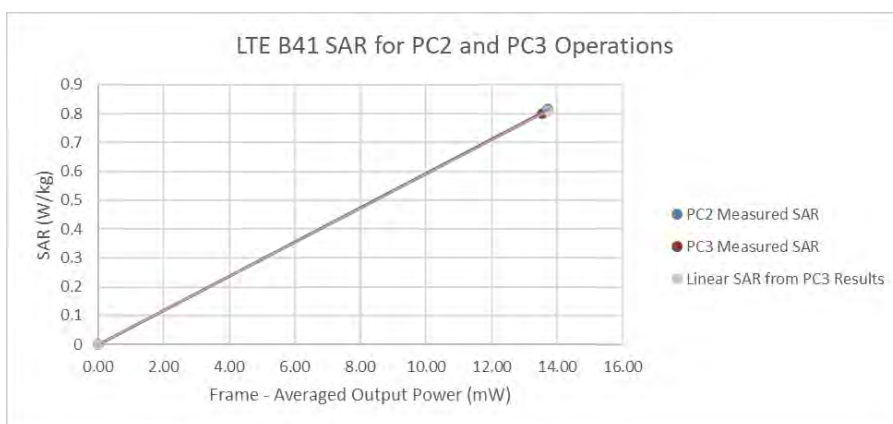


Figure 13-1
LTE Band 41 Body Linearity – Antenna 1b

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 373 of 387

REV 24.0
05/01/2024

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Table 13-2
LTE Band 41 ULCA Body Linearity Data – Antenna 1b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.00	15.60
Measured Output Power (dBm)	13.27	14.92
Measured SAR (W/kg)	0.834	0.827
Measured Power (mW)	21.23	31.05
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	13.44	13.44
% deviation from expected linearity		-0.86%

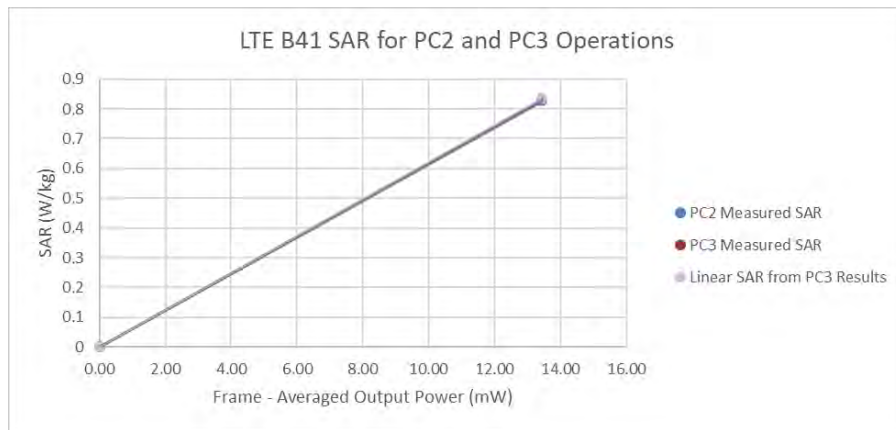


Figure 13-2
LTE Band 41 ULCA Body Linearity – Antenna 1b

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 374 of 387

REV 24.0
05/01/2024

Table 13-3
LTE Band 41 Body Linearity Data – Antenna 2

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.30	15.90
Measured Output Power (dBm)	13.83	15.10
Measured SAR (W/kg)	0.884	0.734
Measured Power (mW)	24.15	32.36
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	15.29	14.01
% deviation from expected linearity		-9.39%

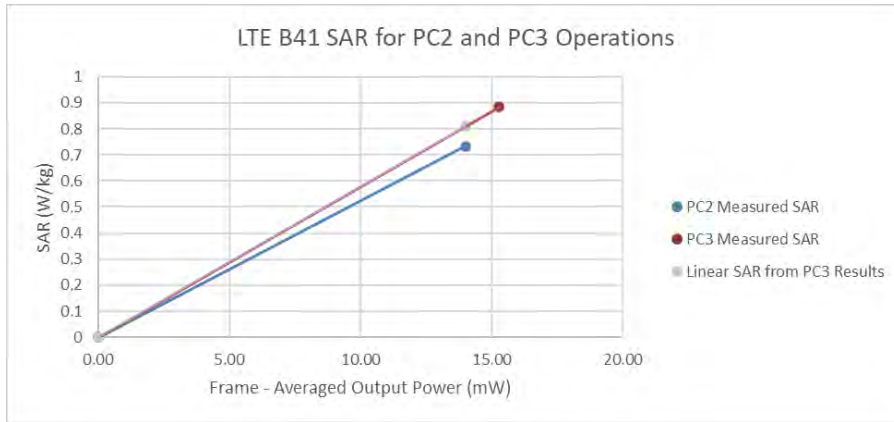


Figure 13-3
LTE Band 41 Body Linearity – Antenna 2

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 375 of 387

REV 24.0
05/01/2024

Table 13-4
LTE Band 41 ULCA Body Linearity Data – Antenna 2

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.30	15.90
Measured Output Power (dBm)	13.76	15.22
Measured SAR (W/kg)	0.842	0.779
Measured Power (mW)	23.77	33.27
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	15.05	14.40
Deviation from expected linearity		-3.36%

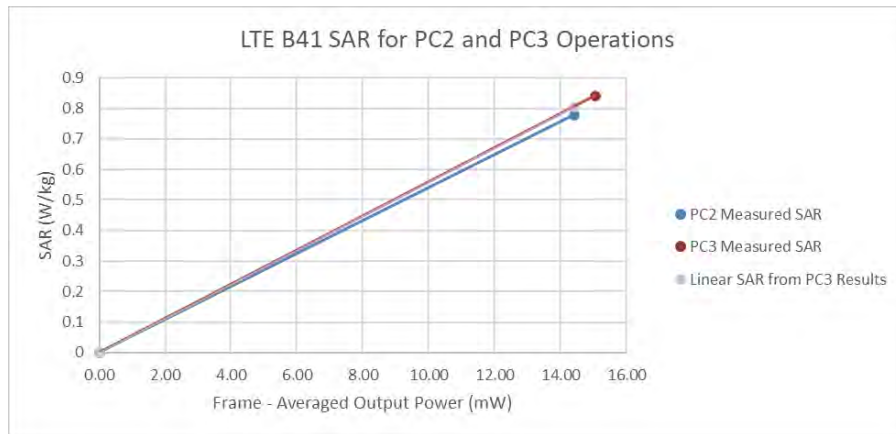


Figure 13-4
LTE Band 41 ULCA Body Linearity – Antenna 2

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 376 of 387

REV 24.0
05/01/2024

Table 13-5
LTE Band 41 Body Linearity Data – Antenna 3b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15.00	16.60
Measured Output Power (dBm)	13.92	15.41
Measured SAR (W/kg)	0.771	0.755
Measured Power (mW)	24.66	34.75
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	15.61	15.05
% deviation from expected linearity		1.58%

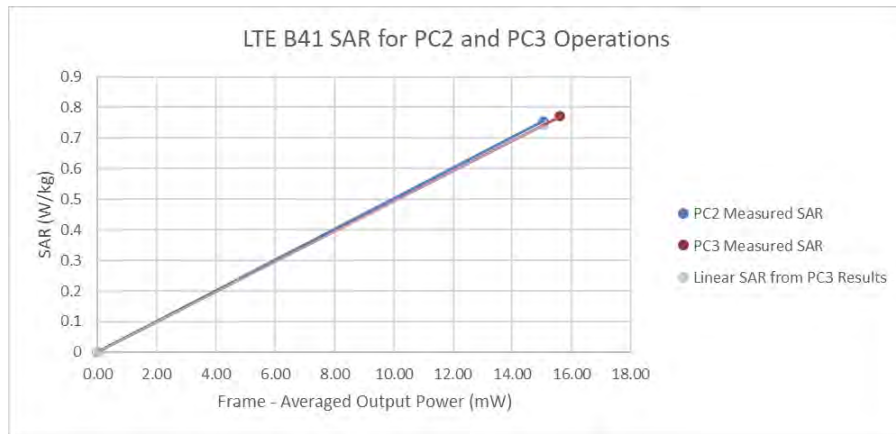


Figure 13-5
LTE Band 41 Body Linearity – Antenna 3b

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 377 of 387

REV 24.0
05/01/2024

Table 13-6
LTE Band 41 ULCA Body Linearity Data – Antenna 3b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15.00	16.60
Measured Output Power (dBm)	13.89	15.11
Measured SAR (W/kg)	0.765	0.704
Measured Power (mW)	24.49	32.43
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	15.50	14.04
% deviation from expected linearity		1.58%

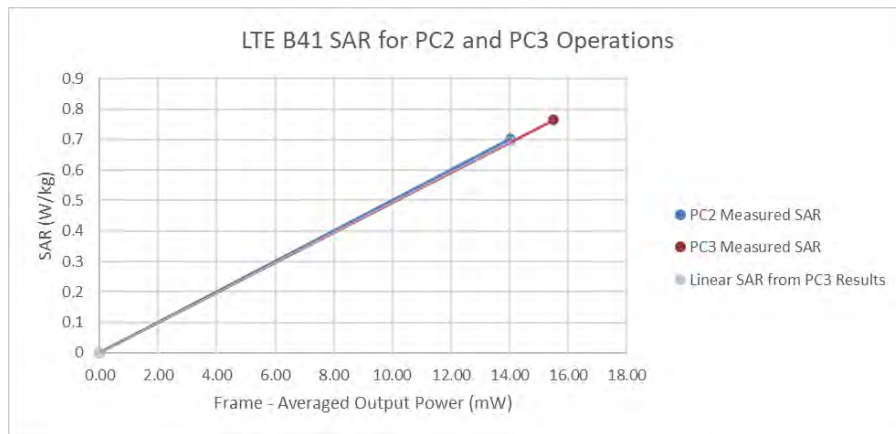


Figure 13-6
LTE Band 41 ULCA Body Linearity – Antenna 3b

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 378 of 387

REV 24.0
05/01/2024

Table 13-7
LTE Band 41 Body Linearity Data – Antenna 4

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	13.40	15.00
Measured Output Power (dBm)	12.04	14.29
Measured SAR (W/kg)	0.641	0.798
Measured Power (mW)	16.00	26.85
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	10.13	11.63
% deviation from expected linearity		8.41%

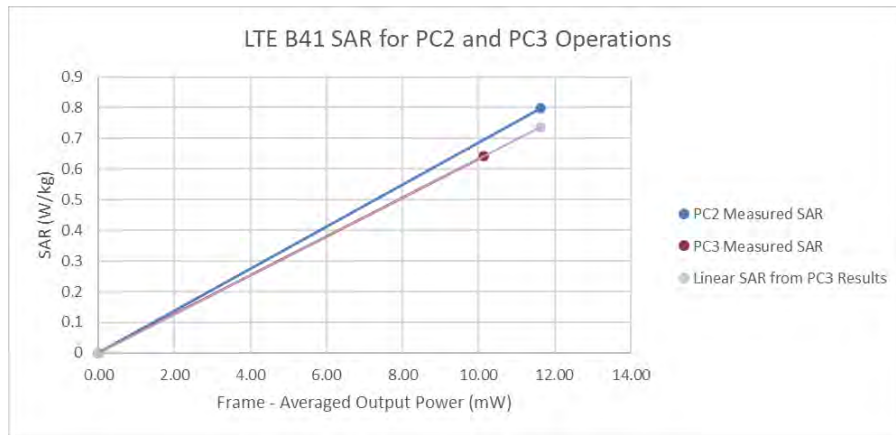


Figure 13-7
LTE Band 41 Body Linearity – Antenna 4

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 379 of 387

REV 24.0
05/01/2024

Table 13-8
LTE Band 41 ULCA Body Linearity Data – Antenna 4

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	13.40	15.00
Measured Output Power (dBm)	12.35	14.30
Measured SAR (W/kg)	0.720	0.821
Measured Power (mW)	17.18	26.92
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	10.87	11.65
% deviation from expected linearity		6.40%

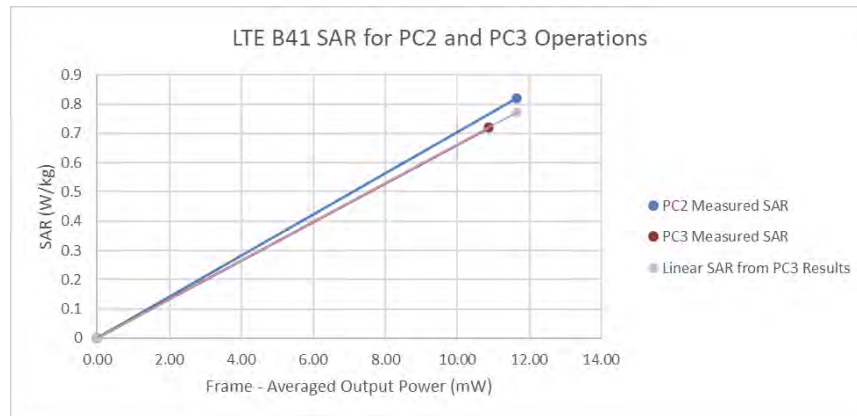


Figure 13-8
LTE Band 41 ULCA Body Linearity – Antenna 4

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 380 of 387

REV 24.0
05/01/2024

14 EQUIPMENT LIST

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	E4404B	Spectrum Analyzer	N/A	N/A	N/A	MY45113242
Agilent	E4438C	ESG Vector Signal Generator	11/14/2023	Annual	11/14/2024	MY45093852
Agilent	E4438C	ESG Vector Signal Generator	11/15/2023	Annual	11/15/2024	MY45093078
Agilent	N5182A	MIX Vector Signal Generator	10/12/2023	Annual	10/12/2024	MY47400015
Agilent	N5182A	MIX Vector Signal Generator	7/4/2023	Annual	7/4/2024	MY48180366
Agilent	8753ES	S-Parameter Vector Network Analyzer	1/10/2024	Annual	1/10/2025	MY40001472
Agilent	8753ES	S-Parameter Vector Network Analyzer	7/21/2023	Annual	7/21/2024	US39170118
Amplifier Research	1551G6	Amplifier	CBT	N/A	CBT	433979
Amplifier Research	1551G6	Amplifier	CBT	N/A	CBT	433974
Amplifier Research	150A100C	Amplifier	CBT	N/A	CBT	350132
Anritsu	MN8110B	I/O Adapter	CBT	N/A	CBT	6261747881
Rohde & Schwarz	NRX	Power Meter	1/11/2023	Biennial	1/11/2025	102583
Rohde & Schwarz	NRX	Power Meter	1/31/2023	Biennial	1/31/2025	102582
Anritsu	MA2411B	Pulse Power Sensor	8/22/2023	Annual	8/22/2024	1726262
Anritsu	MA2411B	Pulse Power Sensor	11/8/2023	Annual	11/8/2024	1027293
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	12/15/2023	Annual	12/15/2024	6200901190
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	5/15/2024	Annual	5/15/2025	6262150047
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	5/30/2024	Annual	5/30/2025	6262044715
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	7/5/2023	Annual	7/5/2024	6262150000
Anritsu	MT8800A	Radio Communication Test Station	4/10/2024	Annual	4/10/2025	6261987983
Anritsu	MT8800A	Radio Communication Test Station	5/2/2024	Annual	5/2/2025	6271331436
Anritsu	MA24106A	USB Power Sensor	12/4/2023	Annual	12/4/2024	1520501
Anritsu	MA24106A	USB Power Sensor	4/15/2024	Annual	4/15/2025	1827528
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240174346
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240171096
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240171059
Control Company	4040	Therm / Clock / Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310280
Control Company	4040	Therm / Clock / Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310282
Control Company	566279	Therm / Clock / Humidity Monitor	2/16/2024	Biennial	2/16/2026	240140251
Mitutoyo	500-196-30	CD-6"X50mm Digital Caliper	2/16/2022	Triennial	2/16/2025	A20238413
Keysight Technologies	N9020A	MIXA Signal Analyzer	4/11/2024	Annual	4/11/2025	MY4500644
Agilent	N9020A	MIXA Signal Analyzer	6/14/2024	Annual	6/14/2025	MY56470202
MCL	BW-N60W5+	5dB Attenuator	CBT	N/A	CBT	1139
Mini-Circuits	NLP-4000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5+	DC to 20 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-1200+	Low Pass Filter DC to 1000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5	Power Attenuator	CBT	N/A	CBT	1226
Mini-Circuits	ZUDC10-83-S+	Directional Coupler	CBT	N/A	CBT	2050
Narda	7722-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Narda	BW-52W2	Attenuator (5dB)	CBT	N/A	CBT	120
Seakorn	NC-100	Torque Wrench	4/2/2024	Biennial	4/2/2026	1262
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/19/2024	Annual	4/19/2025	151849
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/24/2024	Annual	4/24/2025	187284
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/22/2024	Annual	4/22/2025	106578
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/10/2024	Annual	1/10/2025	131453
SPEAG	DAK-3.5	Dielectric Assessment Kit	11/13/2023	Annual	11/13/2024	1277
SPEAG	DAK3-3.5	Portable Dielectric Assessment Kit	8/14/2023	Annual	8/14/2024	1041
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1337
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1331
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1390
SPEAG	DAK-12	Dielectric Assessment Kit (4MHz - 3GHz)	3/11/2024	Annual	3/11/2025	1102
SPEAG	D1750V2	1750 MHz SAR Dipole	5/10/2022	Triennial	5/10/2025	1083
SPEAG	D1750V2	1750 MHz SAR Dipole	9/6/2023	Annual	9/6/2024	1104
SPEAG	D1800V2	1800 MHz SAR Dipole	8/9/2023	Annual	8/9/2024	50180
SPEAG	D2300V2	2300 MHz SAR Dipole	11/14/2023	Annual	11/14/2024	1064
SPEAG	D2450V2	2450 MHz SAR Dipole	11/9/2021	Triennial	11/9/2024	921
SPEAG	D2450V2	2450 MHz SAR Dipole	5/11/2022	Triennial	5/11/2025	750
SPEAG	D2600V2	2600 MHz SAR Dipole	5/11/2022	Triennial	5/11/2025	1042
SPEAG	D2600V2	2600 MHz SAR Dipole	11/15/2022	Biennial	11/15/2024	1068
SPEAG	D3500V2	3500 MHz SAR Dipole	6/9/2021	Triennial	6/9/2024	1126
SPEAG	D3500V2	3500 MHz SAR Dipole	8/17/2022	Biennial	8/17/2024	1055
SPEAG	D3700V2	3700 MHz SAR Dipole	6/9/2021	Triennial	6/9/2024	1097
SPEAG	D3700V2	3700 MHz SAR Dipole	10/21/2022	Biennial	10/21/2024	1002
SPEAG	D3900V2	3900 MHz SAR Dipole	6/10/2021	Triennial	6/10/2024	1073
SPEAG	D3900V2	3900 MHz SAR Dipole	12/21/2023	Annual	12/21/2024	1062
SPEAG	D5GHV2	5 GHz SAR Dipole	11/17/2022	Biennial	11/17/2024	1066
SPEAG	D6.5GHV2	6.5 GHz SAR Dipole	10/11/2023	Annual	10/11/2024	2019
SPEAG	D750V3	750 MHz SAR Dipole	9/13/2023	Annual	9/13/2024	1097
SPEAG	D750V3	750 MHz SAR Dipole	5/16/2022	Triennial	5/16/2025	1052
SPEAG	D835V2	835 MHz SAR Dipole	11/18/2022	Biennial	11/18/2024	46108
SPEAG	CLA-13	Confined Loop Antenna	11/9/2023	Annual	11/9/2024	1004
SPEAG	5G Ver. Source 10GHz	10GHz System Verification Antenna	10/13/2023	Annual	10/13/2024	1006
SPEAG	DAE4	Dasys Data Acquisition Electronics	10/18/2023	Annual	10/18/2024	1237
SPEAG	DAE4	Dasys Data Acquisition Electronics	9/12/2023	Annual	9/12/2024	1684
SPEAG	DAE4	Dasys Data Acquisition Electronics	2/9/2024	Annual	2/9/2025	467
SPEAG	DAE4	Dasys Data Acquisition Electronics	3/6/2024	Annual	3/6/2025	1408
SPEAG	DAE4	Dasys Data Acquisition Electronics	10/18/2023	Annual	10/18/2024	1333
SPEAG	DAE4	Dasys Data Acquisition Electronics	12/7/2023	Annual	12/7/2024	1644
SPEAG	DAE4	Dasys Data Acquisition Electronics	3/6/2024	Annual	3/6/2025	604
SPEAG	DAE4	Dasys Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1683
SPEAG	DAE4	Dasys Data Acquisition Electronics	10/18/2023	Annual	10/18/2024	793
SPEAG	DAE4	Dasys Data Acquisition Electronics	9/8/2023	Annual	9/8/2024	1646
SPEAG	DAE4	Dasys Data Acquisition Electronics	9/12/2023	Annual	9/12/2024	1683
SPEAG	DAE4	Dasys Data Acquisition Electronics	11/14/2023	Annual	11/14/2024	1403
SPEAG	ELimmWV3	ELimmWV3 Probe	10/9/2023	Annual	10/9/2024	9407
SPEAG	EX3DV4	SAR Probe	8/10/2023	Annual	8/10/2024	7668
SPEAG	EX3DV4	SAR Probe	2/9/2024	Annual	2/9/2025	7427
SPEAG	EX3DV4	SAR Probe	10/2/2023	Annual	10/2/2024	3949
SPEAG	EX3DV4	SAR Probe	5/13/2024	Annual	5/13/2025	7687
SPEAG	EX3DV4	SAR Probe	3/11/2024	Annual	3/11/2025	7638
SPEAG	EX3DV4	SAR Probe	10/16/2023	Annual	10/16/2024	3746
SPEAG	EX3DV4	SAR Probe	3/11/2024	Annual	3/11/2025	7421
SPEAG	EX3DV4	SAR Probe	11/9/2023	Annual	11/9/2024	7639
SPEAG	EX3DV4	SAR Probe	10/16/2023	Annual	10/16/2024	7420
SPEAG	EX3DV4	SAR Probe	1/16/2024	Annual	1/16/2025	7499
SPEAG	EX3DV4	SAR Probe	9/12/2023	Annual	9/12/2024	7782

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 381 of 387

REV 24.0
05/01/2024

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15 MEASUREMENT UNCERTAINTIES

Applicable for SAR measurements < 6 GHz:

a	b	c	d	e = f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	IEEE 1528 Sec.	Tol. (± %)	Prob. Dist.	Div.	c _i 1gm	c _i 10 gms	1gm u _i (± %)	10gms u _i (± %)	v _i
Measurement System									
Probe Calibration	E2.1	7	N	1	1	1	7.0	7.0	∞
Axial Isotropy	E2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E2.2	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	E2.3	2	R	1.732	1	1	1.2	1.2	∞
Linearity	E2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E2.4	0.25	R	1.732	1	1	0.1	0.1	∞
Modulation Response	E2.5	4.8	R	1.732	1	1	2.8	2.8	∞
Readout Electronics	E2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E2.7	0.8	R	1.732	1	1	0.5	0.5	∞
Integration Time	E2.8	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E6.1	3	R	1.732	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E6.1	3	R	1.732	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E6.2	0.8	R	1.732	1	1	0.5	0.5	∞
Probe Positioning w/ respect to Phantom	E6.3	6.7	R	1.732	1	1	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E5	4	R	1.732	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E4.2	3.12	N	1	1	1	3.1	3.1	35
Device Holder Uncertainty	E4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E2.9	5	R	1.732	1	1	2.9	2.9	∞
SAR Scaling	E6.5	0	R	1.732	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E3.3	4.3	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E3.3	4.2	N	1	0.23	0.26	1.0	1.1	75
Liquid Conductivity - Temperature Uncertainty	E3.4	3.4	R	1.732	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Uncertainty	E3.4	0.6	R	1.732	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	E3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)							RSS	12.2	12.0
Expanded Uncertainty (95% CONFIDENCE LEVEL)							k=2	24.4	24.0

The above measurement uncertainties are according to IEEE Std. 1528-2013

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 382 of 387

REV 24.0
05/01/2024

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Applicable for SAR measurements > 6 GHz:

a	b	c	d	e= f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	IEEE 1528 Sec.	Tol. (± %)	Prob. Dist.	Div.	c _i 1gm	c _i 10 gms	1gm u _i (± %)	10gms u _i (± %)	v _i
Measurement System									
Probe Calibration	E2.1	9.3	N	1	1	1	9.3	9.3	∞
Axial Isotropy	E2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E2.2	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	E2.3	2	R	1.732	1	1	1.2	1.2	∞
Linearity	E2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E2.4	0.25	R	1.732	1	1	0.1	0.1	∞
Modulation Response	E2.5	4.8	R	1.732	1	1	2.8	2.8	∞
Readout Electronics	E2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E2.7	0.8	R	1.732	1	1	0.5	0.5	∞
Integration Time	E2.8	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E6.1	3	R	1.732	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E6.1	3	R	1.732	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E6.2	0.8	R	1.732	1	1	0.5	0.5	∞
Probe Positioning w/ respect to Phantom	E6.3	6.7	R	1.732	1	1	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E5	4	R	1.732	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E4.2	3.12	N	1	1	1	3.1	3.1	35
Device Holder Uncertainty	E4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E2.9	5	R	1.732	1	1	2.9	2.9	∞
SAR Scaling	E6.5	0	R	1.732	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E3.3	4.3	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E3.3	4.2	N	1	0.23	0.26	1.0	1.1	75
Liquid Conductivity - Temperature Uncertainty	E3.4	3.4	R	1.732	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Uncertainty	E3.4	0.6	R	1.732	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	E3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)							RSS	13.8	13.6
Expanded Uncertainty (95% CONFIDENCE LEVEL)							k=2	27.6	27.1

The above measurement uncertainties are according to IEEE Std. 1528-2013

FCC ID: BCGA2995	SAR EVALUATION REPORT		Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device		Page 383 of 387

REV 24.0
05/01/2024

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Applicable for Power Density measurements:

a	b	c	d	e	f = c x f/e	g
Uncertainty Component	Unc. (± dB)	Prob. Dist.	Div.	c _i	u _i (± dB)	v _i
Measurement System						
Calibration	0.49	N	1	1	0.49	∞
Probe Correction	0.00	R	1.73	1	0.00	∞
Frequency Response	0.20	R	1.73	1	0.12	∞
Sensor Cross Coupling	0.00	R	1.73	1	0.00	∞
Isotropy	0.50	R	1.73	1	0.29	∞
Linearity	0.20	R	1.73	1	0.12	∞
Probe Scattering	0.00	R	1.73	1	0.00	∞
Probe Positioning offset	0.30	R	1.73	1	0.17	∞
Probe Positioning Repeatability	0.04	R	1.73	1	0.02	∞
Sensor Mechanical Offset	0.00	R	1.73	1	0.00	∞
Probe Spatial Resolution	0.00	R	1.73	1	0.00	∞
Field Impedance Dependence	0.00	R	1.73	1	0.00	∞
Amplitude and Phase Drift	0.00	R	1.73	1	0.00	∞
Amplitude and Phase Noise	0.04	R	1.73	1	0.02	∞
Measurement Area Truncation	0.00	R	1.73	1	0.00	∞
Data Acquisition	0.03	N	1	1	0.03	∞
Sampling	0.00	R	1.73	1	0.00	∞
Field Reconstruction	2.00	R	1.73	1	1.15	∞
Forward Transformation	0.00	R	1.73	1	0.00	∞
Power Density Scaling	0.00	R	1.73	1	0.00	∞
Spatial Averaging	0.10	R	1.73	1	0.06	∞
System Detection Limit	0.04	R	1.73	1	0.02	∞
Test Sample Related						
Probe Coupling with DUT	0.00	R	1.73	1	0.00	∞
Modulation Response	0.40	R	1.73	1	0.23	∞
Integration Time	0.00	R	1.73	1	0.00	∞
Response Time	0.00	R	1.73	1	0.00	∞
Device Holder Influence	0.10	R	1.73	1	0.06	∞
DUT alignment	0.00	R	1.73	1	0.00	∞
RF Ambient Conditions	0.04	R	1.73	1	0.02	∞
Ambient Reflections	0.04	R	1.73	1	0.02	∞
Immunity/Secondary Reception	0.00	R	1.73	1	0.00	∞
Drift of DUT	0.21	R	1.73	1	0.12	∞
Combined Standard Uncertainty (k=1)					RSS	1.34
Expanded Uncertainty (95% CONFIDENCE LEVEL)					k=2	2.68

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 384 of 387

REV 24.0
05/01/2024

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16 CONCLUSION

16.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g., ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g., age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 385 of 387

REV 24.0
05/01/2024

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FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 386 of 387

REV 24.0
05/01/2024

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FCC ID: BCGA2995	SAR EVALUATION REPORT	Approved by: Technical Manager
Document S/N: 1C2405200018-02.BCG-R3	DUT Type: Tablet Device	Page 387 of 387

REV 24.0
05/01/2024