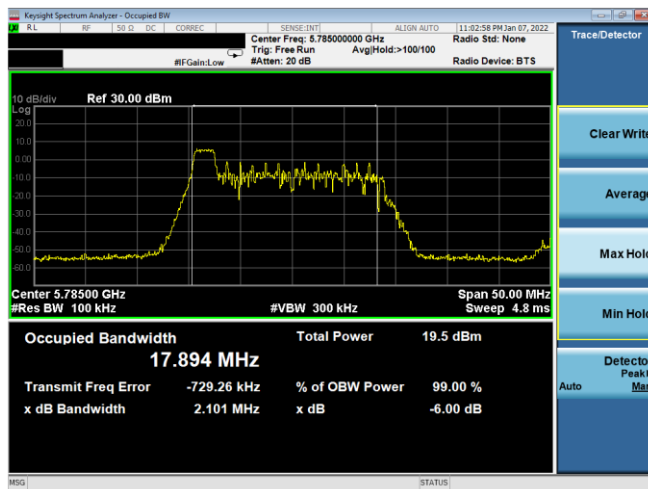
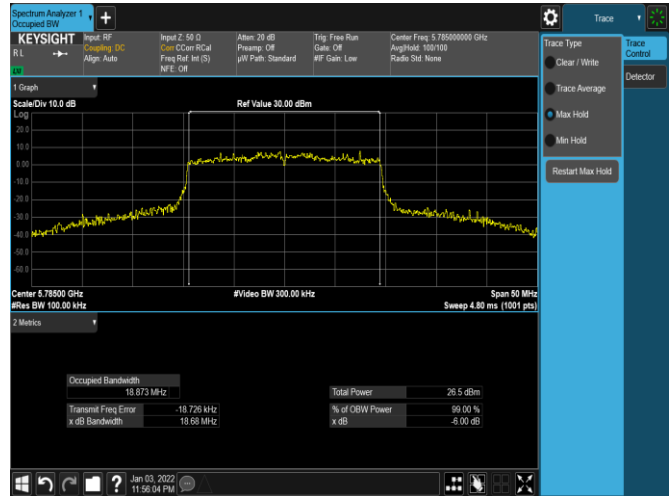
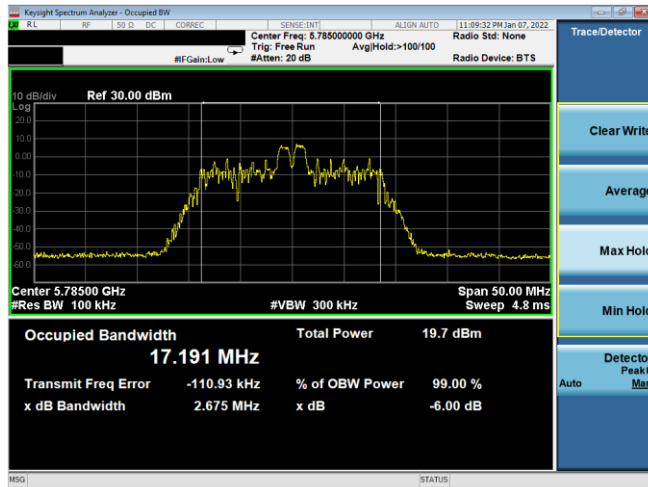




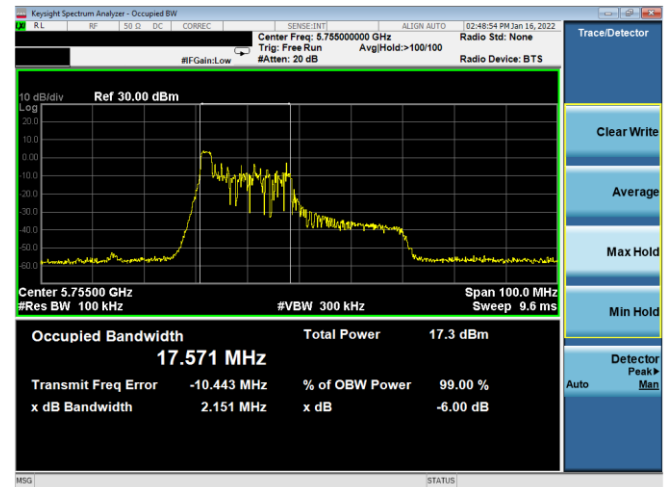
Plot 7-109. 6dB BW & 99% OBW Antenna 2b (20MHz BW 11ax Index 0 – RU26 – Ch.157)



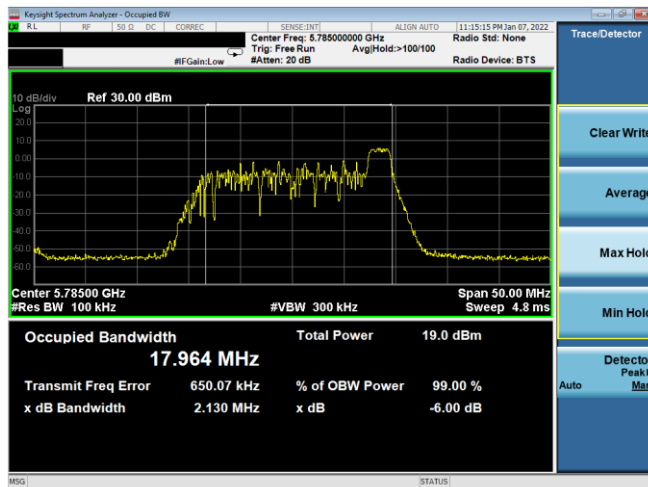
Plot 7-112. 6dB BW & 99% OBW Antenna 2b (20MHz BW 11ax– RU242 – Ch.157)



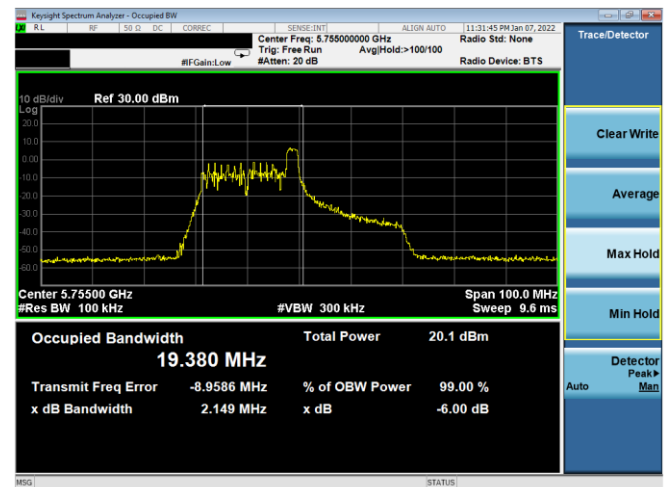
Plot 7-110. 6dB BW & 99% OBW Antenna 2b (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-113. 6dB BW & 99% OBW Antenna 2b (40MHz BW 11ax Index 0 – RU26 – Ch.151)

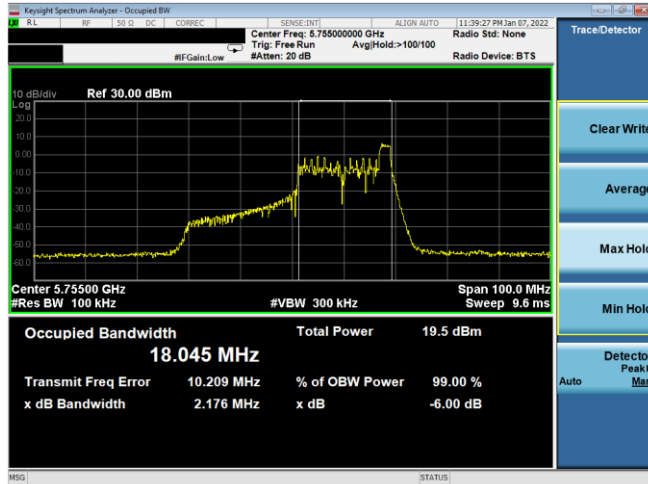


Plot 7-111. 6dB BW & 99% OBW Antenna 2b (20MHz BW 11ax Index 8– RU26 – Ch.157)

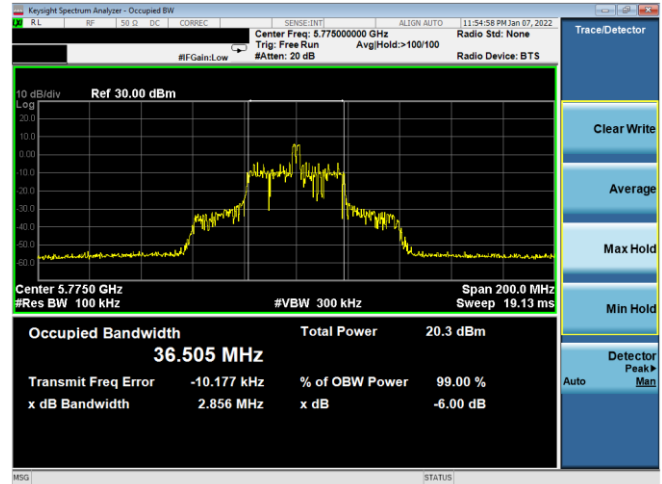


Plot 7-114. 6dB BW & 99% OBW Antenna 2b (40MHz BW 11ax Index 8 – RU26 – Ch.151)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 43 of 397



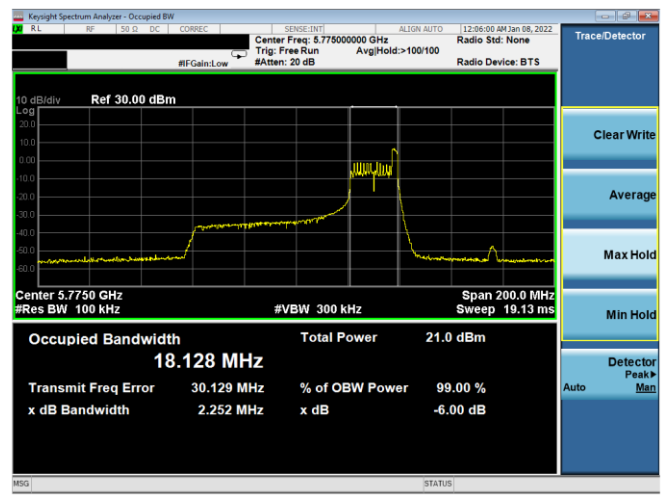
Plot 7-115. 6dB BW & 99% OBW Antenna 2b (40MHz BW 11ax Index 17 - RU26 - Ch.151)



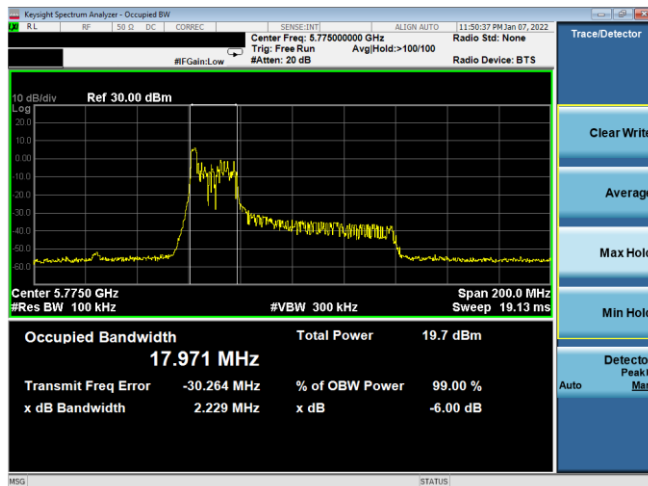
Plot 7-118. 6dB BW & 99% OBW Antenna 2b (80MHz BW 11ax Index 18 - RU26 - Ch.155)



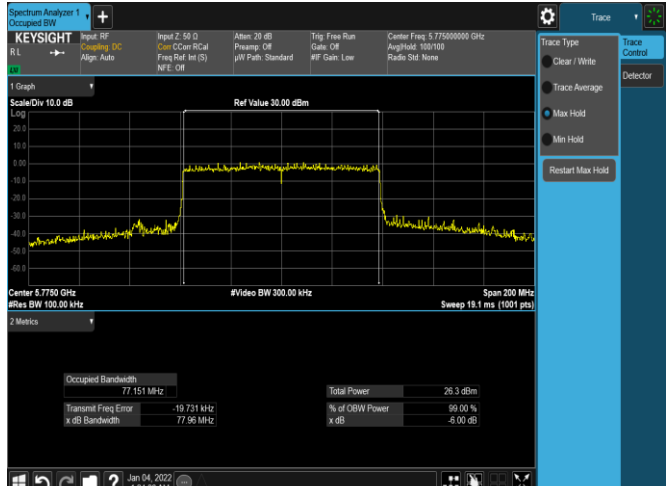
Plot 7-116. 6dB BW & 99% OBW Antenna 2b (40MHz BW 11ax - RU484 - Ch.151)



Plot 7-119. 6dB BW & 99% OBW Antenna 2b (80MHz BW 11ax Index 36 - RU26 - Ch.155)



Plot 7-117. 6dB BW & 99% OBW Antenna 2b (80MHz BW 11ax Index 0 - RU26 - Ch.155)



Plot 7-120. 6dB BW & 99% OBW Antenna 2b (80MHz BW 11ax - RU996 - Ch.155)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 44 of 397

Antenna 1b 6dB & 99% Bandwidth Measurements

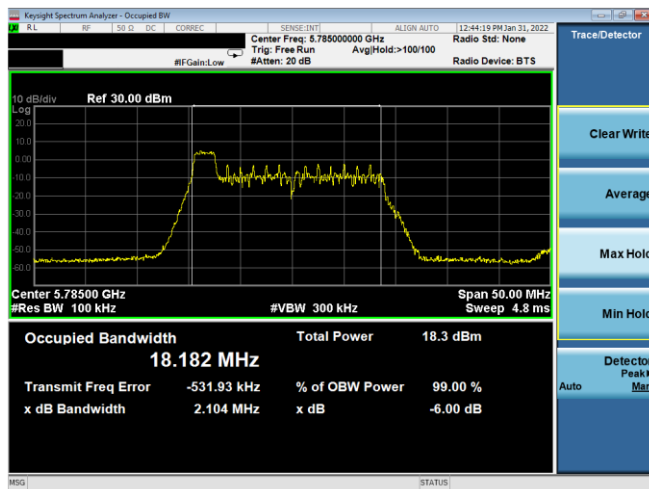
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	135/143.4 (MCS11)	18.22	2.14	0.50	Pass
				26	4	135/143.4 (MCS11)	17.21	2.72	0.50	Pass
				26	8	135/143.4 (MCS11)	18.34	2.10	0.50	Pass
	5785	157	ax (20MHz)	26	0	135/143.4 (MCS11)	18.18	2.10	0.50	Pass
				26	4	135/143.4 (MCS11)	17.24	2.71	0.50	Pass
				26	8	135/143.4 (MCS11)	18.36	2.13	0.50	Pass
	5825	165	ax (20MHz)	26	0	135/143.4 (MCS11)	18.15	2.11	0.50	Pass
				26	4	135/143.4 (MCS11)	17.21	2.71	0.50	Pass
				26	8	135/143.4 (MCS11)	18.34	2.06	0.50	Pass
	5755	151	ax (40MHz)	26	0	271/286.8 (MCS11)	18.06	2.18	0.50	Pass
				26	8	271/286.8 (MCS11)	19.30	2.16	0.50	Pass
				26	17	271/286.8 (MCS11)	18.06	2.13	0.50	Pass
	5795	159	ax (40MHz)	26	0	271/286.8 (MCS11)	17.95	2.18	0.50	Pass
				26	8	271/286.8 (MCS11)	19.43	2.12	0.50	Pass
				26	17	271/286.8 (MCS11)	18.04	2.15	0.50	Pass
	5775	155	ax (80MHz)	26	0	567/600.5 (MCS11)	18.00	2.23	0.50	Pass
				26	18	567/600.5 (MCS11)	36.71	2.84	0.50	Pass
				26	36	567/600.5 (MCS11)	18.14	2.22	0.50	Pass

Table 7-10. Conducted Bandwidth Measurements Antenna 1b (RU26)

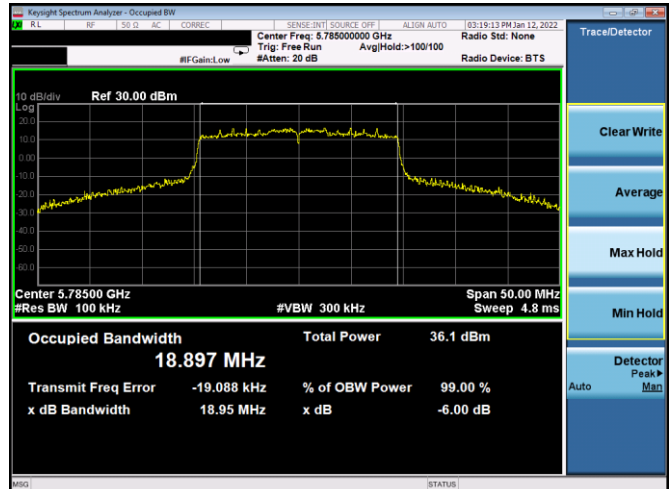
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	135/143.4 (MCS11)	18.88	18.92	0.50	Pass
	5785	157	ax (20MHz)	242	61	135/143.4 (MCS11)	18.90	18.95	0.50	Pass
	5825	165	ax (20MHz)	242	61	135/143.4 (MCS11)	18.90	18.94	0.50	Pass
	5755	151	ax (40MHz)	484	65	271/286.8 (MCS11)	37.87	38.11	0.50	Pass
	5795	159	ax (40MHz)	484	65	271/286.8 (MCS11)	37.89	38.16	0.50	Pass
	5775	155	ax (80MHz)	996	67	567/600.5 (MCS11)	77.04	78.06	0.50	Pass

Table 7-11. Conducted Bandwidth Measurements Antenna 1b (Fully-loaded RU)

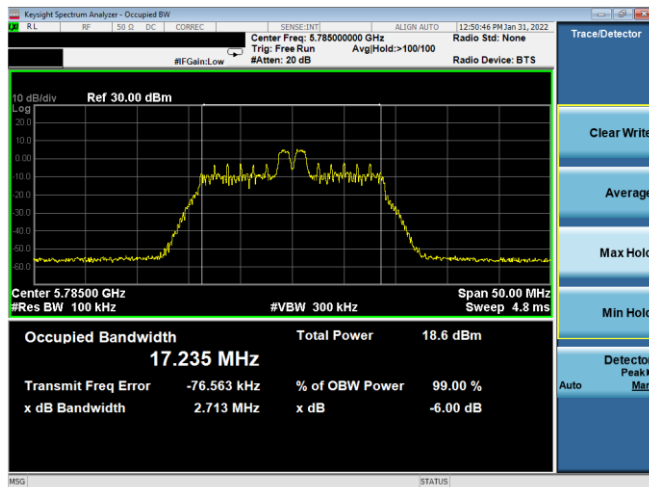
FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 45 of 397



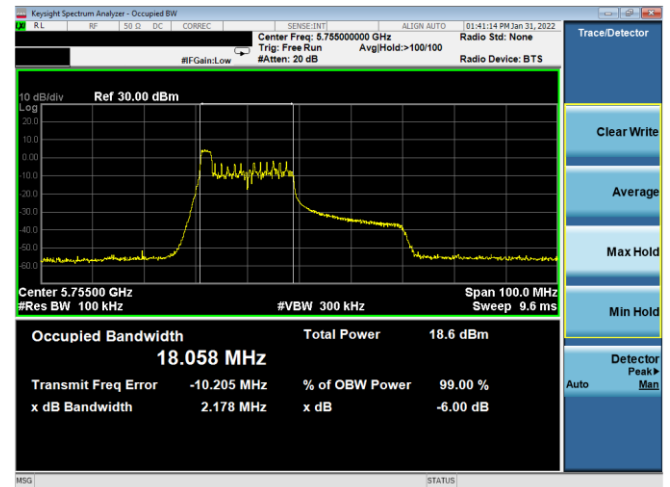
Plot 7-121. 6dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 0 – RU26 – Ch.157)



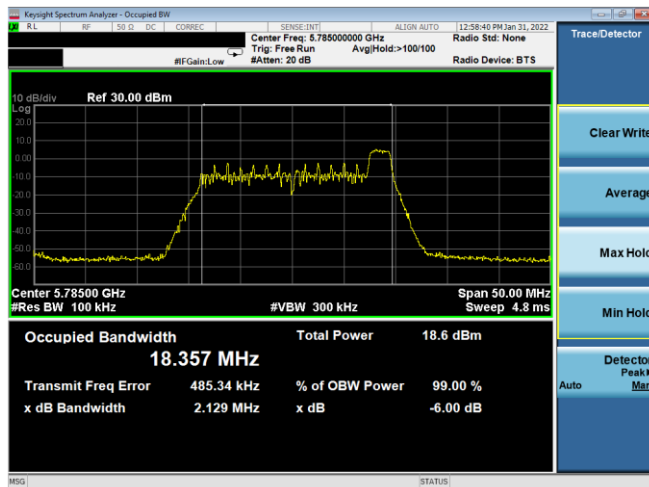
Plot 7-124. 6dB BW & 99% OBW Antenna 1b (20MHz BW 11ax– RU242 – Ch.157)



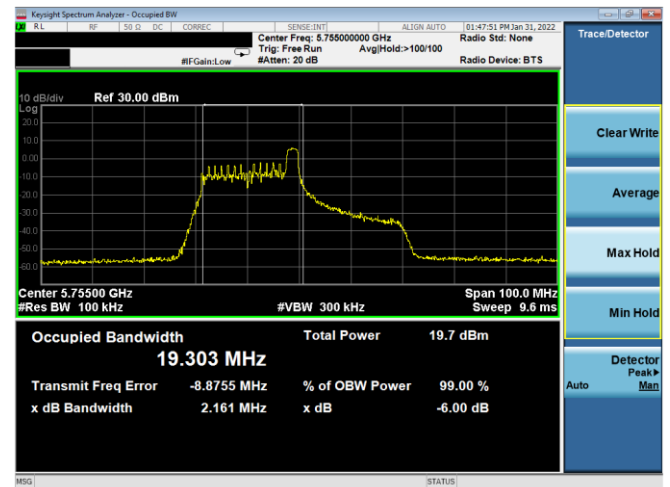
Plot 7-122. 6dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-125. 6dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 0 – RU26 – Ch.151)

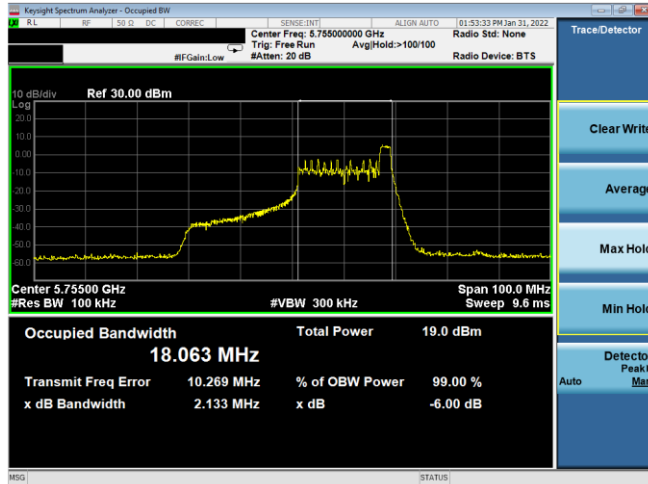


Plot 7-123. 6dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 8– RU26 – Ch.157)

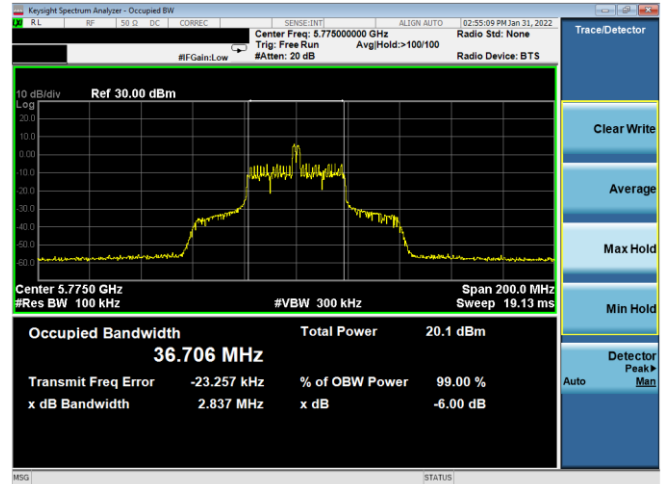


Plot 7-126. 6dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 8 – RU26 – Ch.151)

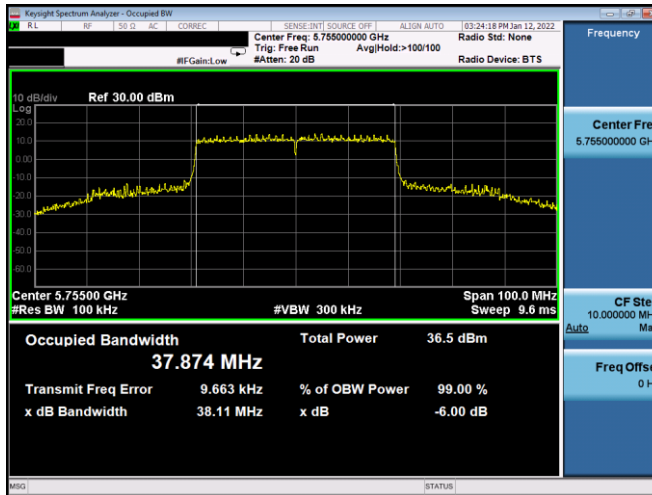
FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG			Page 46 of 397



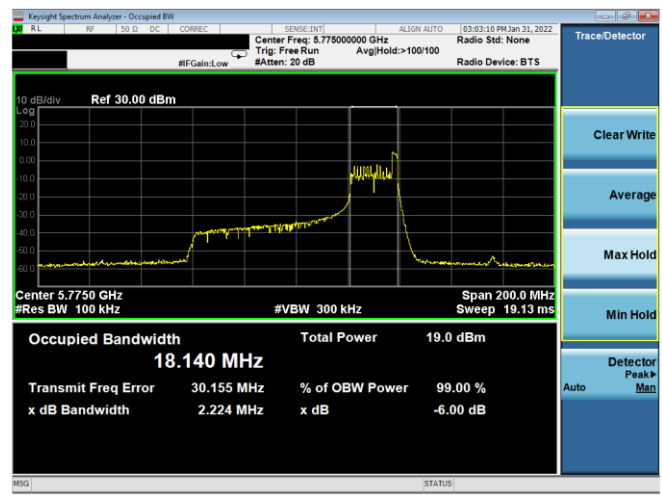
Plot 7-127. 6dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 17 – RU26 – Ch.151)



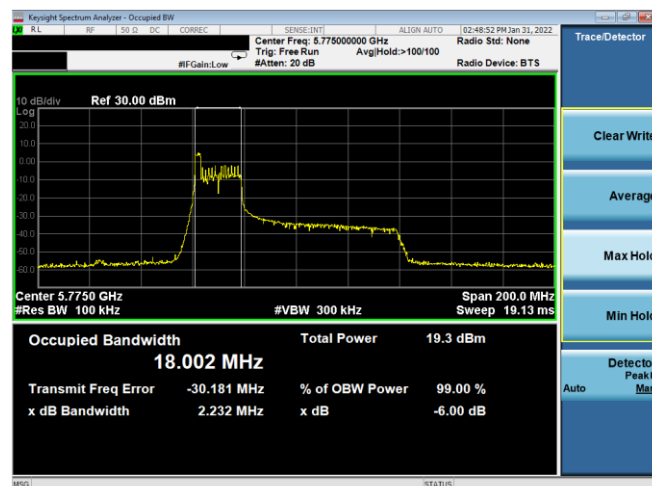
Plot 7-130. 6dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 18 – RU26 – Ch.155)



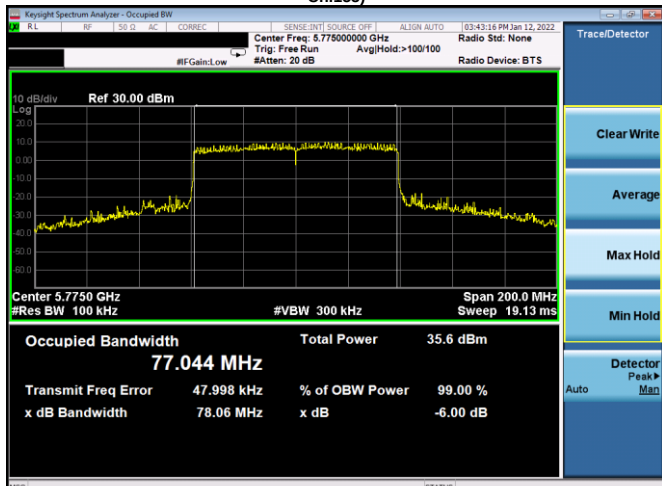
Plot 7-128. 6dB BW & 99% OBW Antenna 1b (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-131. 6dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-129. 6dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-132. 6dB BW & 99% OBW Antenna 1b (80MHz BW 11ax – RU996 – Ch.155)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C211150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 47 of 397

Antenna 3a 6dB & 99% Bandwidth Measurements

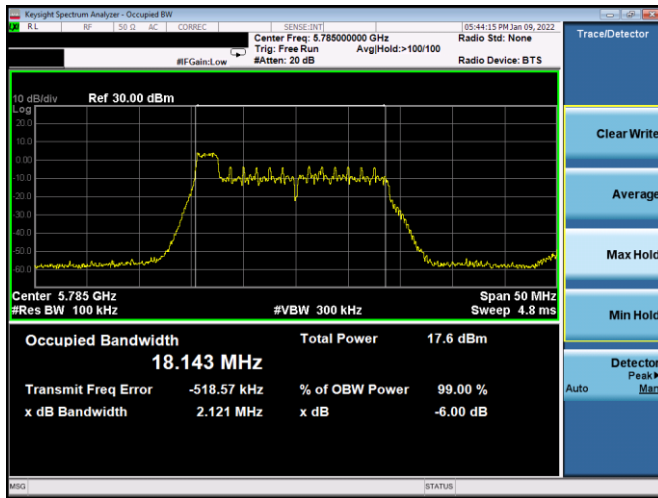
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	8/8.6 (MCS0)	18.13	2.12	0.50	Pass
				26	4	8/8.6 (MCS0)	17.27	2.69	0.50	Pass
				26	8	8/8.6 (MCS0)	18.32	2.10	0.50	Pass
	5785	157	ax (20MHz)	26	0	8/8.6 (MCS0)	18.14	2.12	0.50	Pass
				26	4	8/8.6 (MCS0)	17.23	2.70	0.50	Pass
				26	8	8/8.6 (MCS0)	18.32	2.08	0.50	Pass
	5825	165	ax (20MHz)	26	0	8/8.6 (MCS0)	18.14	2.11	0.50	Pass
				26	4	8/8.6 (MCS0)	17.27	2.68	0.50	Pass
				26	8	8/8.6 (MCS0)	18.33	2.10	0.50	Pass
	5755	151	ax (40MHz)	26	0	16/17.2 (MCS0)	18.00	2.17	0.50	Pass
				26	8	16/17.2 (MCS0)	19.30	2.17	0.50	Pass
				26	17	16/17.2 (MCS0)	18.08	2.16	0.50	Pass
	5795	159	ax (40MHz)	26	0	16/17.2 (MCS0)	17.95	2.17	0.50	Pass
				26	8	16/17.2 (MCS0)	19.30	2.14	0.50	Pass
				26	17	16/17.2 (MCS0)	18.08	2.17	0.50	Pass
	5775	155	ax (80MHz)	26	0	34/36 (MCS0)	17.95	2.22	0.50	Pass
				26	18	34/36 (MCS0)	36.70	2.87	0.50	Pass
				26	36	34/36 (MCS0)	18.12	2.21	0.50	Pass

Table 7-12. Conducted Bandwidth Measurements Antenna 3a (RU26)

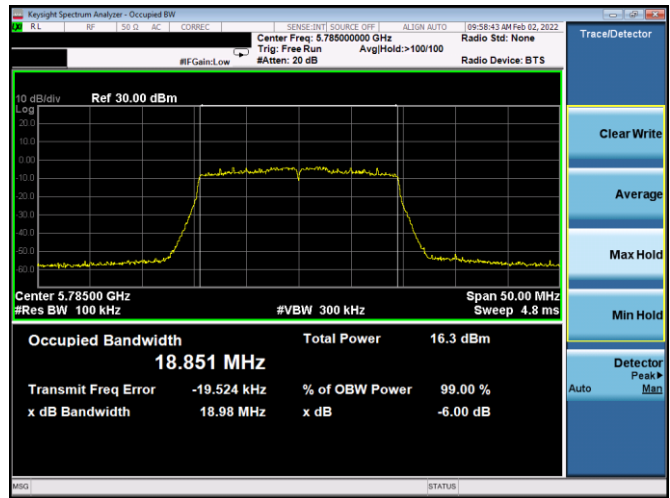
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	135/143.4 (MCS11)	19.04	19.10	0.50	Pass
	5785	157	ax (20MHz)	242	61	135/143.4 (MCS11)	18.85	18.98	0.50	Pass
	5825	165	ax (20MHz)	242	61	135/143.4 (MCS11)	19.10	19.14	0.50	Pass
	5755	151	ax (40MHz)	484	65	271/286.8 (MCS11)	37.89	38.20	0.50	Pass
	5795	159	ax (40MHz)	484	65	271/286.8 (MCS11)	37.97	38.08	0.50	Pass
	5775	155	ax (80MHz)	996	67	567/600.5 (MCS11)	76.83	77.19	0.50	Pass

Table 7-13. Conducted Bandwidth Measurements Antenna 3a (Fully- loaded RU)

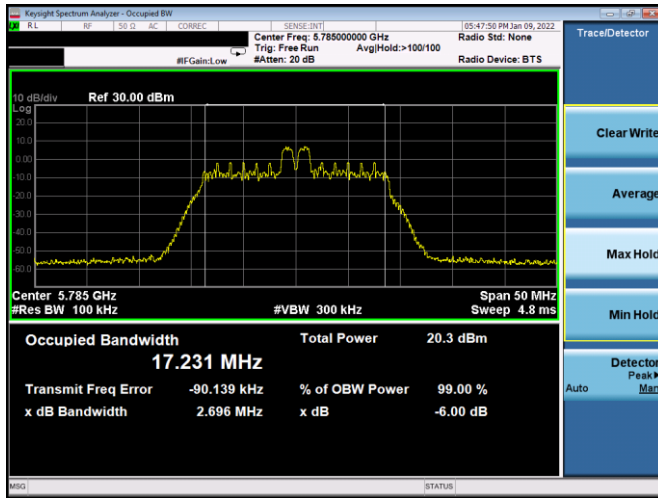
FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 48 of 397



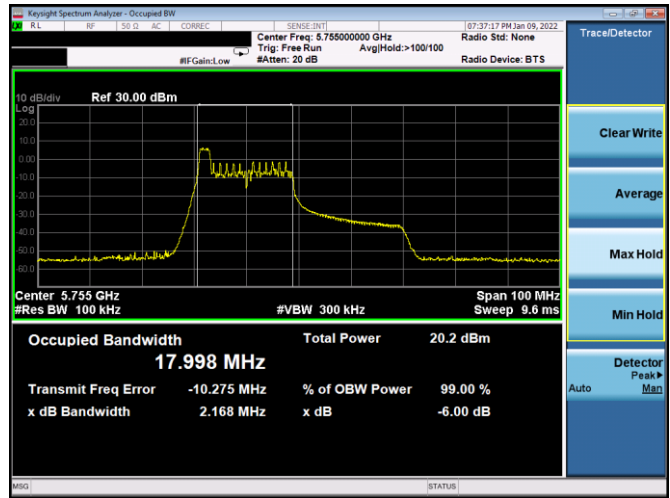
Plot 7-133. 6dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 0 – RU26 – Ch.157)



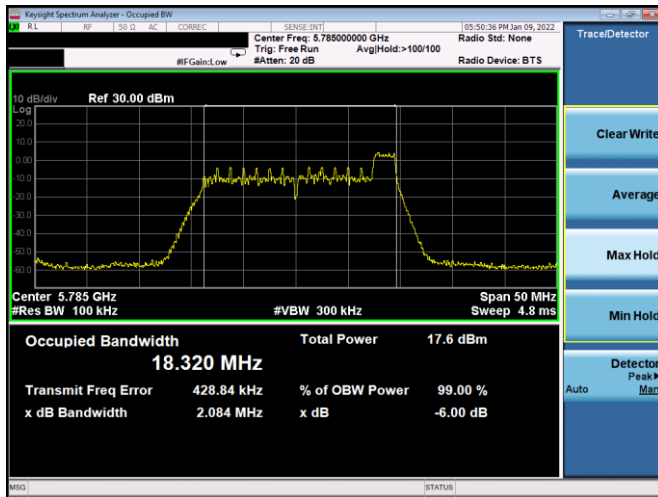
Plot 7-136. 6dB BW & 99% OBW Antenna 3a (20MHz BW 11ax– RU242 – Ch.157)



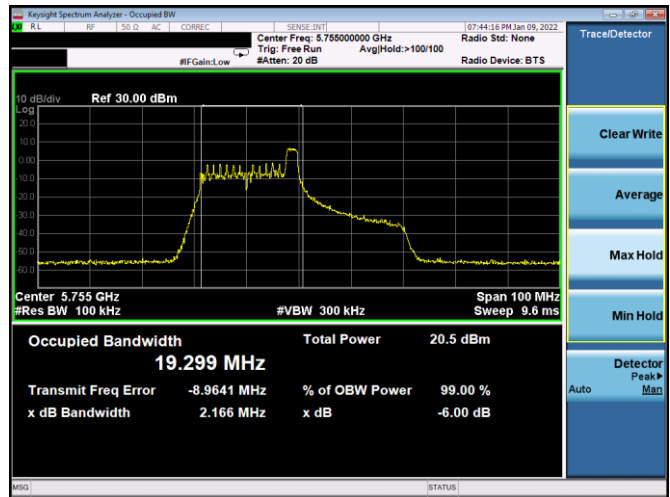
Plot 7-134. 6dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-137. 6dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 0 – RU26 – Ch.151)

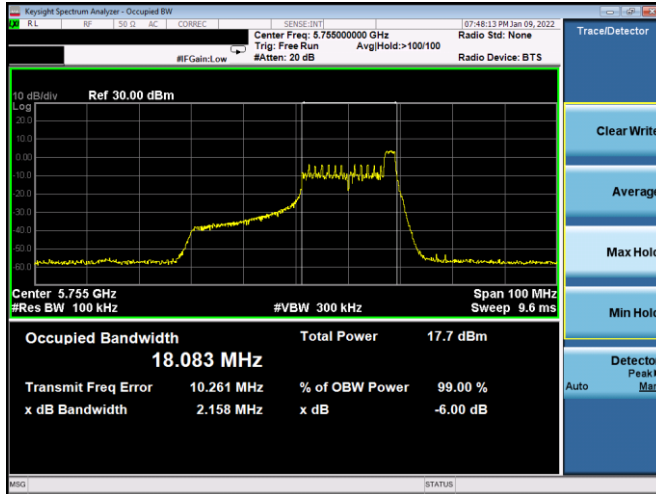


Plot 7-135. 6dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 8– RU26 – Ch.157)

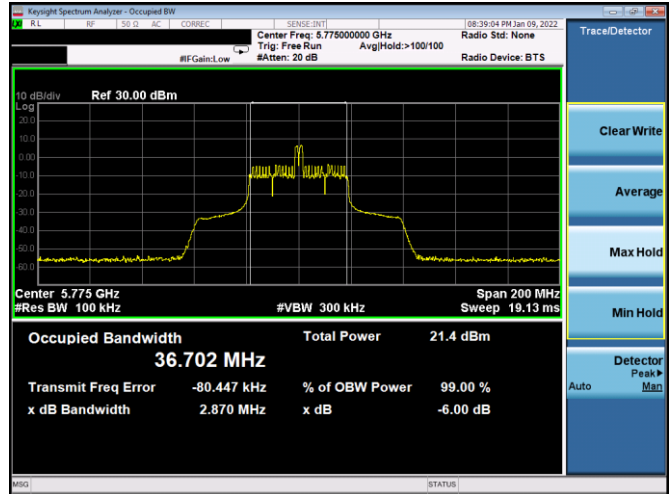


Plot 7-138. 6dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 8 – RU26 – Ch.151)

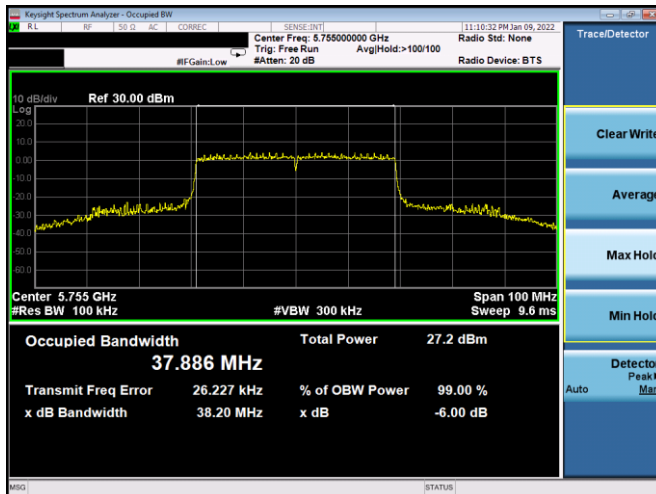
FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022		Page 49 of 397



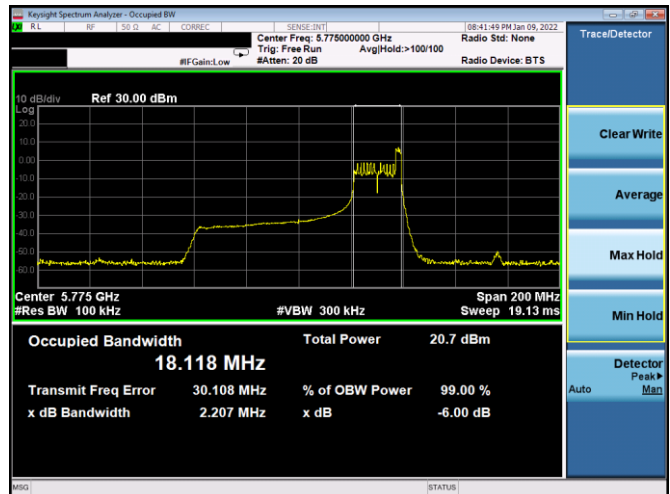
Plot 7-139. 6dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 17 – RU26 – Ch.151)



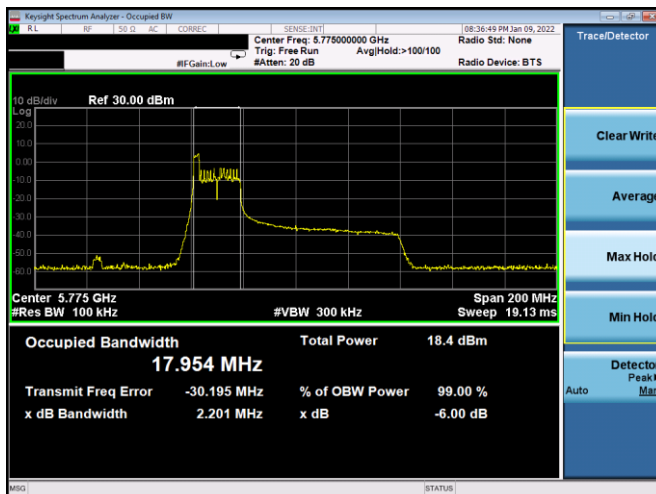
Plot 7-142. 6dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 18 – RU26 – Ch.155)



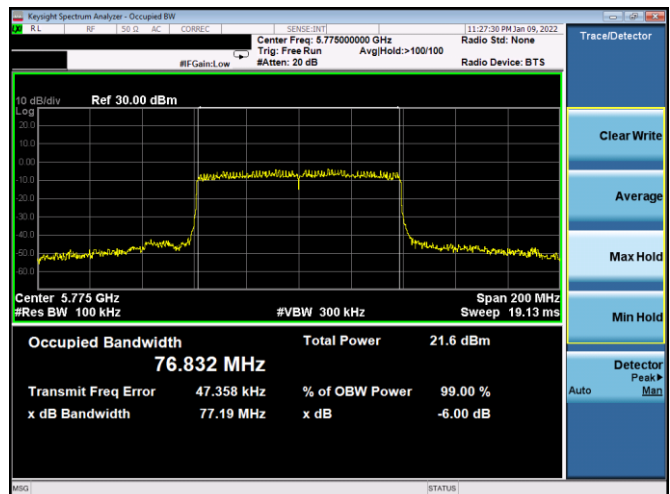
Plot 7-140. 6dB BW & 99% OBW Antenna 3a (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-143. 6dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-141. 6dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-144. 6dB BW & 99% OBW Antenna 3a (80MHz BW 11ax – RU996 – Ch.155)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4 Conducted Output Power and Max EIRP Measurement – 802.11ax OFDMA §15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. B is the 99% OBW per ISED RSS-247 and 26dB BW is per FCC 15.407.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW or $10 + 10 \log_{10} B$, dBm.

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW}) = 11 \text{ dBm} + 10 \log_{10}(15.22) = 22.82 \text{ dBm}$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or $17 + 10 \log_{10} B$, dBm.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW}) = 11 \text{ dBm} + 10 \log_{10}(16.95) = 23.29 \text{ dBm}$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or $17 + 10 \log_{10} B$, dBm.

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

Test Procedure Used

ANSI C63.10-2013 – Subclause 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2013 – Subclause 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.
2. All RU's were investigated and RU 26 and fully-loaded RU were reported.
3. Additionally, the highest power among partially-loaded RU's was reported.
4. The "-" shown in the following power tables are used to denote N/A.
5. For 802.11ax, the worst case data rate was found to be MCS11.

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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FCC Antenna 2b Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	26	0	135/143.4 (MCS11)	11.00	23.98	-12.98
			AVG	26	4	135/143.4 (MCS11)	10.95	23.98	-13.03
			AVG	26	8	135/143.4 (MCS11)	10.89	23.98	-13.09
	5200	40	AVG	26	0	135/143.4 (MCS11)	10.93	23.98	-13.05
			AVG	26	4	135/143.4 (MCS11)	10.89	23.98	-13.09
			AVG	26	8	135/143.4 (MCS11)	10.98	23.98	-13.00
	5240	48	AVG	26	0	135/143.4 (MCS11)	10.88	23.98	-13.10
			AVG	26	4	135/143.4 (MCS11)	10.99	23.98	-12.99
			AVG	26	8	135/143.4 (MCS11)	10.98	23.98	-13.00
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.97	22.82	-11.85
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82
			AVG	26	8	135/143.4 (MCS11)	10.89	22.82	-11.93
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.89	22.82	-11.93
			AVG	26	4	135/143.4 (MCS11)	10.86	22.82	-11.96
			AVG	26	8	135/143.4 (MCS11)	10.86	22.82	-11.96
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.92	22.82	-11.90
			AVG	26	4	135/143.4 (MCS11)	10.93	22.82	-11.89
			AVG	26	8	135/143.4 (MCS11)	11.00	22.82	-11.82
	5500	100	AVG	26	0	135/143.4 (MCS11)	11.00	23.29	-12.29
			AVG	26	4	135/143.4 (MCS11)	10.83	23.29	-12.46
			AVG	26	8	135/143.4 (MCS11)	10.82	23.29	-12.47
	5580	116	AVG	26	0	135/143.4 (MCS11)	11.00	23.29	-12.29
			AVG	26	4	135/143.4 (MCS11)	10.86	23.29	-12.43
			AVG	26	8	135/143.4 (MCS11)	10.95	23.29	-12.34
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.74	23.29	-12.55
			AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29
			AVG	26	8	135/143.4 (MCS11)	10.30	23.29	-12.99
	5745	149	AVG	26	0	135/143.4 (MCS11)	10.50	30.00	-19.50
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	8	135/143.4 (MCS11)	10.30	30.00	-19.70
	5785	157	AVG	26	0	135/143.4 (MCS11)	10.40	30.00	-19.60
			AVG	26	4	135/143.4 (MCS11)	10.94	30.00	-19.06
			AVG	26	8	135/143.4 (MCS11)	10.53	30.00	-19.47
	5825	165	AVG	26	0	135/143.4 (MCS11)	10.32	30.00	-19.68
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	8	135/143.4 (MCS11)	10.68	30.00	-19.32

Table 7-14. FCC Antenna 2b 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 52 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	26	0	271/286.8 (MCS11)	9.69	23.98	-14.29
			AVG	26	8	271/286.8 (MCS11)	10.95	23.98	-13.03
			AVG	26	17	271/286.8 (MCS11)	10.31	23.98	-13.67
	5230	46	AVG	26	0	271/286.8 (MCS11)	10.05	23.98	-13.93
			AVG	26	8	271/286.8 (MCS11)	10.98	23.98	-13.00
			AVG	26	17	271/286.8 (MCS11)	10.59	23.98	-13.39
	5270	54	AVG	26	0	271/286.8 (MCS11)	10.38	22.82	-12.44
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82
			AVG	26	17	271/286.8 (MCS11)	10.50	22.82	-12.32
	5310	62	AVG	26	0	271/286.8 (MCS11)	10.19	22.82	-12.63
			AVG	26	8	271/286.8 (MCS11)	10.99	22.82	-11.83
			AVG	26	17	271/286.8 (MCS11)	10.41	22.82	-12.41
	5510	102	AVG	26	0	271/286.8 (MCS11)	10.06	23.29	-13.23
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29
			AVG	26	17	271/286.8 (MCS11)	10.52	23.29	-12.77
	5550	110	AVG	26	0	271/286.8 (MCS11)	9.81	23.29	-13.48
			AVG	26	8	271/286.8 (MCS11)	10.95	23.29	-12.34
			AVG	26	17	271/286.8 (MCS11)	10.24	23.29	-13.05
	5710	142	AVG	26	0	271/286.8 (MCS11)	10.40	23.29	-12.89
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29
			AVG	26	17	271/286.8 (MCS11)	11.00	23.29	-12.29
	5755	151	AVG	26	0	271/286.8 (MCS11)	10.34	30.00	-19.66
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00
			AVG	26	17	271/286.8 (MCS11)	10.33	30.00	-19.67
	5795	159	AVG	26	0	271/286.8 (MCS11)	10.14	30.00	-19.86
			AVG	26	8	271/286.8 (MCS11)	10.93	30.00	-19.07
			AVG	26	17	271/286.8 (MCS11)	10.37	30.00	-19.63

Table 7-15. FCC Antenna 2b 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 53 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	26	0	567/600.5 (MCS11)	9.98	23.98	-14.00
			AVG	26	18	567/600.5 (MCS11)	11.00	23.98	-12.98
			AVG	26	36	567/600.5 (MCS11)	11.00	23.98	-12.98
	5290	58	AVG	26	0	567/600.5 (MCS11)	10.33	22.82	-12.49
			AVG	26	18	567/600.5 (MCS11)	11.00	22.82	-11.82
			AVG	26	36	567/600.5 (MCS11)	10.55	22.82	-12.27
	5530	106	AVG	26	0	567/600.5 (MCS11)	9.97	23.29	-13.32
			AVG	26	18	567/600.5 (MCS11)	10.44	23.29	-12.85
			AVG	26	36	567/600.5 (MCS11)	10.35	23.29	-12.94
	5610	122	AVG	26	0	567/600.5 (MCS11)	10.19	23.29	-13.10
			AVG	26	18	567/600.5 (MCS11)	10.95	23.29	-12.34
			AVG	26	36	567/600.5 (MCS11)	10.62	23.29	-12.67
	5690	138	AVG	26	0	567/600.5 (MCS11)	10.52	23.29	-12.77
			AVG	26	18	567/600.5 (MCS11)	10.98	23.29	-12.31
			AVG	26	36	567/600.5 (MCS11)	10.48	23.29	-12.81
	5775	155	AVG	26	0	567/600.5 (MCS11)	10.70	30.00	-19.30
			AVG	26	18	567/600.5 (MCS11)	11.00	30.00	-19.00
			AVG	26	36	567/600.5 (MCS11)	10.57	30.00	-19.43

Table 7-16. FCC Antenna 2b 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 54 of 397

ISED Antenna 2b Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	26	0	135/143.4 (MCS11)	9.04	-	-	-1.10	7.94	22.62	-14.68
			AVG	26	4	135/143.4 (MCS11)	9.72	-	-	-1.10	8.62	22.62	-14.00
			AVG	26	8	135/143.4 (MCS11)	9.42	-	-	-1.10	8.32	22.62	-14.30
	5200	40	AVG	26	0	135/143.4 (MCS11)	8.98	-	-	-1.10	7.88	22.62	-14.74
			AVG	26	4	135/143.4 (MCS11)	9.71	-	-	-1.10	8.61	22.62	-14.01
			AVG	26	8	135/143.4 (MCS11)	9.33	-	-	-1.10	8.23	22.62	-14.39
	5240	48	AVG	26	0	135/143.4 (MCS11)	8.18	-	-	-1.10	7.08	22.62	-15.54
			AVG	26	4	135/143.4 (MCS11)	9.73	-	-	-1.10	8.63	22.62	-13.99
			AVG	26	8	135/143.4 (MCS11)	9.32	-	-	-1.10	8.22	22.62	-14.40
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.97	22.82	-11.85	0.90	11.87	28.82	-16.95
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82	0.90	11.90	28.82	-16.92
			AVG	26	8	135/143.4 (MCS11)	10.89	22.82	-11.93	0.90	11.79	28.82	-17.03
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.89	22.82	-11.93	0.90	11.79	28.82	-17.03
			AVG	26	4	135/143.4 (MCS11)	10.86	22.82	-11.96	0.90	11.76	28.82	-17.06
			AVG	26	8	135/143.4 (MCS11)	10.86	22.82	-11.96	0.90	11.76	28.82	-17.06
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.92	22.82	-11.90	0.90	11.82	28.82	-17.00
			AVG	26	4	135/143.4 (MCS11)	10.93	22.82	-11.89	0.90	11.83	28.82	-16.99
			AVG	26	8	135/143.4 (MCS11)	11.00	22.82	-11.82	0.90	11.90	28.82	-16.92
	5500	100	AVG	26	0	135/143.4 (MCS11)	11.00	23.29	-12.29	0.30	11.30	29.29	-17.99
			AVG	26	4	135/143.4 (MCS11)	10.83	23.29	-12.46	0.30	11.13	29.29	-18.16
			AVG	26	8	135/143.4 (MCS11)	10.82	23.29	-12.47	0.30	11.12	29.29	-18.17
	5580	116	AVG	26	0	135/143.4 (MCS11)	11.00	23.29	-12.29	0.30	11.30	29.29	-17.99
			AVG	26	4	135/143.4 (MCS11)	10.86	23.29	-12.43	0.30	11.16	29.29	-18.13
			AVG	26	8	135/143.4 (MCS11)	10.95	23.29	-12.34	0.30	11.25	29.29	-18.04
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.74	23.29	-12.55	0.30	11.04	29.29	-18.25
			AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29	0.30	11.30	29.29	-17.99
			AVG	26	8	135/143.4 (MCS11)	10.30	23.29	-12.99	0.30	10.60	29.29	-18.69
	5745	149	AVG	26	0	135/143.4 (MCS11)	10.50	30.00	-19.50	-1.20	9.30	-	-
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00	-1.20	9.80	-	-
			AVG	26	8	135/143.4 (MCS11)	10.30	30.00	-19.70	-1.20	9.10	-	-
	5785	157	AVG	26	0	135/143.4 (MCS11)	10.40	30.00	-19.60	-1.20	9.20	-	-
			AVG	26	4	135/143.4 (MCS11)	10.94	30.00	-19.06	-1.20	9.74	-	-
			AVG	26	8	135/143.4 (MCS11)	10.53	30.00	-19.47	-1.20	9.33	-	-
	5825	165	AVG	26	0	135/143.4 (MCS11)	10.32	30.00	-19.68	-1.20	9.12	-	-
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00	-1.20	9.80	-	-
			AVG	26	8	135/143.4 (MCS11)	10.68	30.00	-19.32	-1.20	9.48	-	-

Table 7-17. ISED Antenna 2b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 55 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	26	0	271/286.8 (MCS11)	8.32	-	-	-1.10	7.22	22.62	-15.40
			AVG	26	8	271/286.8 (MCS11)	9.51	-	-	-1.10	8.41	22.62	-14.21
			AVG	26	17	271/286.8 (MCS11)	9.06	-	-	-1.10	7.96	22.62	-14.66
	5230	46	AVG	26	0	271/286.8 (MCS11)	8.76	-	-	-1.10	7.66	22.62	-14.96
			AVG	26	8	271/286.8 (MCS11)	9.73	-	-	-1.10	8.63	22.62	-13.99
			AVG	26	17	271/286.8 (MCS11)	9.12	-	-	-1.10	8.02	22.62	-14.60
	5270	54	AVG	26	0	271/286.8 (MCS11)	10.38	22.82	-12.44	0.90	11.28	28.82	-17.54
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82	0.90	11.90	28.82	-16.92
			AVG	26	17	271/286.8 (MCS11)	10.50	22.82	-12.32	0.90	11.40	28.82	-17.42
	5310	62	AVG	26	0	271/286.8 (MCS11)	10.19	22.82	-12.63	0.90	11.09	28.82	-17.73
			AVG	26	8	271/286.8 (MCS11)	10.99	22.82	-11.83	0.90	11.89	28.82	-16.93
			AVG	26	17	271/286.8 (MCS11)	10.41	22.82	-12.41	0.90	11.31	28.82	-17.51
	5510	102	AVG	26	0	271/286.8 (MCS11)	10.06	23.29	-13.23	0.30	10.36	29.29	-18.93
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29	0.30	11.30	29.29	-17.99
			AVG	26	17	271/286.8 (MCS11)	10.52	23.29	-12.77	0.30	10.82	29.29	-18.47
	5550	110	AVG	26	0	271/286.8 (MCS11)	9.81	23.29	-13.48	0.30	10.11	29.29	-19.18
			AVG	26	8	271/286.8 (MCS11)	10.95	23.29	-12.34	0.30	11.25	29.29	-18.04
			AVG	26	17	271/286.8 (MCS11)	10.24	23.29	-13.05	0.30	10.54	29.29	-18.75
	5710	142	AVG	26	0	271/286.8 (MCS11)	10.40	23.29	-12.89	0.30	10.70	29.29	-18.59
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29	0.30	11.30	29.29	-17.99
			AVG	26	17	271/286.8 (MCS11)	11.00	23.29	-12.29	0.30	11.30	29.29	-17.99
	5755	151	AVG	26	0	271/286.8 (MCS11)	10.34	30.00	-19.66	-1.20	9.14	-	-
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00	-1.20	9.80	-	-
			AVG	26	17	271/286.8 (MCS11)	10.33	30.00	-19.67	-1.20	9.13	-	-
	5795	159	AVG	26	0	271/286.8 (MCS11)	10.14	30.00	-19.86	-1.20	8.94	-	-
			AVG	26	8	271/286.8 (MCS11)	10.93	30.00	-19.07	-1.20	9.73	-	-
			AVG	26	17	271/286.8 (MCS11)	10.37	30.00	-19.63	-1.20	9.17	-	-

Table 7-18. ISED Antenna 2b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	26	0	567/600.5 (MCS11)	9.03	-	-	-1.10	7.93	22.62	-14.69
			AVG	26	18	567/600.5 (MCS11)	9.75	-	-	-1.10	8.65	22.62	-13.97
			AVG	26	36	567/600.5 (MCS11)	9.75	-	-	-1.10	8.65	22.62	-13.97
	5290	58	AVG	26	0	567/600.5 (MCS11)	10.33	22.82	-12.49	0.90	11.23	28.82	-17.59
			AVG	26	18	567/600.5 (MCS11)	11.00	22.82	-11.82	0.90	11.90	28.82	-16.92
			AVG	26	36	567/600.5 (MCS11)	10.55	22.82	-12.27	0.90	11.45	28.82	-17.37
	5530	106	AVG	26	0	567/600.5 (MCS11)	9.97	23.29	-13.32	0.30	10.27	29.29	-19.02
			AVG	26	18	567/600.5 (MCS11)	10.44	23.29	-12.85	0.30	10.74	29.29	-18.55
			AVG	26	36	567/600.5 (MCS11)	10.35	23.29	-12.94	0.30	10.65	29.29	-18.64
	5690	138	AVG	26	0	567/600.5 (MCS11)	10.52	23.29	-12.77	0.30	10.82	29.29	-18.47
			AVG	26	18	567/600.5 (MCS11)	10.98	23.29	-12.31	0.30	11.28	29.29	-18.01
			AVG	26	36	567/600.5 (MCS11)	10.48	23.29	-12.81	0.30	10.78	29.29	-18.51
	5775	155	AVG	26	0	567/600.5 (MCS11)	10.70	30.00	-19.30	-1.20	9.50	-	-
			AVG	26	18	567/600.5 (MCS11)	11.00	30.00	-19.00	-1.20	9.80	-	-
			AVG	26	36	567/600.5 (MCS11)	10.57	30.00	-19.43	-1.20	9.37	-	-

Table 7-19. ISED Antenna 2b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 56 of 397

FCC Antenna 2b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	106	53	135/143.4 (MCS11)	16.50	23.98	-7.48
			AVG	106	54	135/143.4 (MCS11)	16.25	23.98	-7.73
	5200	40	AVG	106	53	135/143.4 (MCS11)	16.85	23.98	-7.13
			AVG	106	54	135/143.4 (MCS11)	16.92	23.98	-7.06
	5240	48	AVG	106	53	135/143.4 (MCS11)	16.83	23.98	-7.15
			AVG	106	54	135/143.4 (MCS11)	16.95	23.98	-7.03
	5260	52	AVG	106	53	135/143.4 (MCS11)	16.83	22.82	-5.99
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5300	60	AVG	106	53	135/143.4 (MCS11)	16.90	22.82	-5.92
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.80	22.82	-6.02
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.49	23.29	-7.80
			AVG	106	54	135/143.4 (MCS11)	15.50	23.29	-7.79
	5520	104	AVG	106	53	135/143.4 (MCS11)	16.82	23.29	-6.47
			AVG	106	54	135/143.4 (MCS11)	16.80	23.29	-6.49
	5580	116	AVG	106	53	135/143.4 (MCS11)	16.61	23.29	-6.68
			AVG	106	54	135/143.4 (MCS11)	16.80	23.29	-6.49
	5680	136	AVG	106	53	135/143.4 (MCS11)	16.95	23.29	-6.34
			AVG	106	54	135/143.4 (MCS11)	16.93	23.29	-6.36
	5700	140	AVG	106	53	135/143.4 (MCS11)	13.70	23.29	-9.59
			AVG	106	54	135/143.4 (MCS11)	13.61	23.29	-9.68
	5720	144	AVG	106	53	135/143.4 (MCS11)	16.90	23.29	-6.39
			AVG	106	54	135/143.4 (MCS11)	16.80	23.29	-6.49
	5745	149	AVG	106	53	135/143.4 (MCS11)	16.97	30.00	-13.03
			AVG	106	54	135/143.4 (MCS11)	16.95	30.00	-13.05
	5785	157	AVG	106	53	135/143.4 (MCS11)	16.83	30.00	-13.17
			AVG	106	54	135/143.4 (MCS11)	16.92	30.00	-13.08
	5825	165	AVG	106	53	135/143.4 (MCS11)	16.71	30.00	-13.29
			AVG	106	54	135/143.4 (MCS11)	16.80	30.00	-13.20

Table 7-20. FCC Antenna 2b 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 57 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	242	61	271/286.8 (MCS11)	13.85	23.98	-10.13
			AVG	242	62	271/286.8 (MCS11)	14.00	23.98	-9.98
	5230	46	AVG	242	61	271/286.8 (MCS11)	18.88	23.98	-5.10
			AVG	242	62	271/286.8 (MCS11)	19.00	23.98	-4.98
	5270	54	AVG	242	61	271/286.8 (MCS11)	18.86	22.82	-3.96
			AVG	242	62	271/286.8 (MCS11)	19.00	22.82	-3.82
	5310	62	AVG	242	61	271/286.8 (MCS11)	13.90	22.82	-8.92
			AVG	242	62	271/286.8 (MCS11)	14.00	22.82	-8.82
	5510	102	AVG	242	61	271/286.8 (MCS11)	12.85	23.29	-10.44
			AVG	242	62	271/286.8 (MCS11)	13.00	23.29	-10.29
	5550	110	AVG	242	61	271/286.8 (MCS11)	18.85	23.29	-4.44
			AVG	242	62	271/286.8 (MCS11)	19.00	23.29	-4.29
	5590	118	AVG	242	61	271/286.8 (MCS11)	18.90	23.29	-4.39
			AVG	242	62	271/286.8 (MCS11)	19.00	23.29	-4.29
	5630	126	AVG	242	61	271/286.8 (MCS11)	18.72	23.29	-4.57
			AVG	242	62	271/286.8 (MCS11)	19.00	23.29	-4.29
	5670	134	AVG	242	61	271/286.8 (MCS11)	15.73	23.29	-7.56
			AVG	242	62	271/286.8 (MCS11)	15.90	23.29	-7.39
	5710	142	AVG	106	53	271/286.8 (MCS11)	16.58	23.29	-6.71
			AVG	106	54	271/286.8 (MCS11)	17.00	23.29	-6.29
			AVG	106	56	271/286.8 (MCS11)	16.46	23.29	-6.83
	5755	151	AVG	242	61	271/286.8 (MCS11)	20.00	30.00	-10.00
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00
	5795	159	AVG	242	61	271/286.8 (MCS11)	19.94	30.00	-10.06
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00

Table 7-21. FCC Antenna 2b 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	484	65	567/600.5 (MCS11)	13.46	23.98	-10.52
			AVG	484	66	567/600.5 (MCS11)	14.00	23.98	-9.98
	5290	58	AVG	484	65	567/600.5 (MCS11)	12.93	22.82	-9.89
			AVG	484	66	567/600.5 (MCS11)	12.92	22.82	-9.90
	5530	106	AVG	484	65	567/600.5 (MCS11)	12.73	23.29	-10.56
			AVG	484	66	567/600.5 (MCS11)	12.95	23.29	-10.34
	5610	122	AVG	484	65	567/600.5 (MCS11)	17.00	23.29	-6.29
			AVG	484	66	567/600.5 (MCS11)	17.35	23.29	-5.94
	5690	138	AVG	106	53	567/600.5 (MCS11)	16.65	23.29	-6.64
			AVG	106	56	567/600.5 (MCS11)	17.00	23.29	-6.29
			AVG	106	60	567/600.5 (MCS11)	16.60	23.29	-6.69
	5775	155	AVG	484	65	567/600.5 (MCS11)	17.43	30.00	-12.57
			AVG	484	66	567/600.5 (MCS11)	17.40	30.00	-12.60

Table 7-22. FCC Antenna 2b 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 58 of 397

ISED Antenna 2b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	106	53	135/143.4 (MCS11)	15.58	-	-	-1.10	14.48	22.62	-8.14
			AVG	106	54	135/143.4 (MCS11)	15.74	-	-	-1.10	14.64	22.62	-7.98
	5200	40	AVG	106	53	135/143.4 (MCS11)	15.37	-	-	-1.10	14.27	22.62	-8.35
			AVG	106	54	135/143.4 (MCS11)	15.72	-	-	-1.10	14.62	22.62	-8.00
	5240	48	AVG	106	53	135/143.4 (MCS11)	15.57	-	-	-1.10	14.47	22.62	-8.15
			AVG	106	54	135/143.4 (MCS11)	15.71	-	-	-1.10	14.61	22.62	-8.01
	5260	52	AVG	106	53	135/143.4 (MCS11)	16.83	22.82	-5.99	0.90	17.73	28.82	-11.09
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	0.90	17.90	28.82	-10.92
	5300	60	AVG	106	53	135/143.4 (MCS11)	16.90	22.82	-5.92	0.90	17.80	28.82	-11.02
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	0.90	17.90	28.82	-10.92
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.80	22.82	-6.02	0.90	17.70	28.82	-11.12
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	0.90	17.90	28.82	-10.92
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.49	23.29	-7.80	0.30	15.79	29.29	-13.50
			AVG	106	54	135/143.4 (MCS11)	15.50	23.29	-7.79	0.30	15.80	29.29	-13.49
	5520	104	AVG	106	53	135/143.4 (MCS11)	16.82	23.29	-6.47	0.30	17.12	29.29	-12.17
			AVG	106	54	135/143.4 (MCS11)	16.80	23.29	-6.49	0.30	17.10	29.29	-12.19
	5580	116	AVG	106	53	135/143.4 (MCS11)	16.61	23.29	-6.68	0.30	16.91	29.29	-12.38
			AVG	106	54	135/143.4 (MCS11)	16.80	23.29	-6.49	0.30	17.10	29.29	-12.19
	5680	136	AVG	106	53	135/143.4 (MCS11)	16.95	23.29	-6.34	0.30	17.25	29.29	-12.04
			AVG	106	54	135/143.4 (MCS11)	16.93	23.29	-6.36	0.30	17.23	29.29	-12.06
	5700	140	AVG	106	53	135/143.4 (MCS11)	13.70	23.29	-9.59	0.30	14.00	29.29	-15.29
			AVG	106	54	135/143.4 (MCS11)	13.61	23.29	-9.68	0.30	13.91	29.29	-15.38
	5720	144	AVG	106	53	135/143.4 (MCS11)	16.90	23.29	-6.39	0.30	17.20	29.29	-12.09
			AVG	106	54	135/143.4 (MCS11)	16.80	23.29	-6.49	0.30	17.10	29.29	-12.19
	5745	149	AVG	106	53	135/143.4 (MCS11)	16.97	30.00	-13.03	-1.20	15.77	-	-
			AVG	106	54	135/143.4 (MCS11)	16.95	30.00	-13.05	-1.20	15.75	-	-
	5785	157	AVG	106	53	135/143.4 (MCS11)	16.83	30.00	-13.17	-1.20	15.63	-	-
			AVG	106	54	135/143.4 (MCS11)	16.92	30.00	-13.08	-1.20	15.72	-	-
	5825	165	AVG	106	53	135/143.4 (MCS11)	16.71	30.00	-13.29	-1.20	15.51	-	-
			AVG	106	54	135/143.4 (MCS11)	16.80	30.00	-13.20	-1.20	15.60	-	-

Table 7-23. ISED Antenna 2b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	242	61	271/286.8 (MCS11)	13.97	-	-	-1.10	12.87	22.62	-9.75
			AVG	242	62	271/286.8 (MCS11)	13.86	-	-	-1.10	12.76	22.62	-9.86
	5230	46	AVG	242	61	271/286.8 (MCS11)	15.50	-	-	-1.10	14.40	22.62	-8.22
			AVG	242	62	271/286.8 (MCS11)	15.75	-	-	-1.10	14.65	22.62	-7.97
	5270	54	AVG	242	61	271/286.8 (MCS11)	18.86	22.82	-3.96	0.90	19.76	28.82	-9.06
			AVG	242	62	271/286.8 (MCS11)	19.00	22.82	-3.82	0.90	19.90	28.82	-8.92
	5310	62	AVG	242	61	271/286.8 (MCS11)	13.90	22.82	-8.92	0.90	14.80	28.82	-14.02
			AVG	242	62	271/286.8 (MCS11)	14.00	22.82	-8.82	0.90	14.90	28.82	-13.92
	5510	102	AVG	242	61	271/286.8 (MCS11)	12.85	23.29	-10.44	0.30	13.15	29.29	-16.14
			AVG	242	62	271/286.8 (MCS11)	13.00	23.29	-10.29	0.30	13.30	29.29	-15.99
	5550	110	AVG	242	61	271/286.8 (MCS11)	18.85	23.29	-4.44	0.30	19.15	29.29	-10.14
			AVG	242	62	271/286.8 (MCS11)	19.00	23.29	-4.29	0.30	19.30	29.29	-9.99
	5670	134	AVG	242	61	271/286.8 (MCS11)	15.73	23.29	-7.56	0.30	16.03	29.29	-13.26
			AVG	242	62	271/286.8 (MCS11)	15.90	23.29	-7.39	0.30	16.20	29.29	-13.09
	5710	142	AVG	106	53	271/286.8 (MCS11)	16.58	23.29	-6.71	0.30	16.88	29.29	-12.41
			AVG	106	54	271/286.8 (MCS11)	17.00	23.29	-6.29	0.30	17.30	29.29	-11.99
	5755	151	AVG	242	61	271/286.8 (MCS11)	16.46	23.29	-6.83	0.30	16.76	29.29	-12.53
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00	-1.20	18.80	-	-
	5795	159	AVG	242	61	271/286.8 (MCS11)	20.00	30.00	-10.00	-1.20	18.80	-	-
			AVG	242	62	271/286.8 (MCS11)	19.94	30.00	-10.06	-1.20	18.74	-	-
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00	-1.20	18.80	-	-

Table 7-24. ISED Antenna 2b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 59 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	484	65	567/600.5 (MCS11)	13.46	-	-	-1.10	12.36	22.62	-10.26
			AVG	484	66	567/600.5 (MCS11)	14.00	-	-	-1.10	12.90	22.62	-9.72
	5290	58	AVG	484	65	567/600.5 (MCS11)	12.93	22.82	-9.89	0.90	13.83	28.82	-14.99
			AVG	484	66	567/600.5 (MCS11)	12.92	22.82	-9.90	0.90	13.82	28.82	-15.00
	5530	106	AVG	484	65	567/600.5 (MCS11)	12.73	23.29	-10.56	0.30	13.03	29.29	-16.26
			AVG	484	66	567/600.5 (MCS11)	12.95	23.29	-10.34	0.30	13.25	29.29	-16.04
	5690	138	AVG	106	53	567/600.5 (MCS11)	16.65	23.29	-6.64	0.30	16.95	29.29	-12.34
			AVG	106	56	567/600.5 (MCS11)	17.00	23.29	-6.29	0.30	17.30	29.29	-11.99
			AVG	106	60	567/600.5 (MCS11)	16.60	23.29	-6.69	0.30	16.90	29.29	-12.39
	5775	155	AVG	484	65	567/600.5 (MCS11)	17.43	30.00	-12.57	-1.20	16.23	-	-
			AVG	484	66	567/600.5 (MCS11)	17.40	30.00	-12.60	-1.20	16.20	-	-

Table 7-25. ISED Antenna 2b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 60 of 397

FCC Antenna 2b Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	16.25	23.98	-7.73
	5200	40	AVG	242	61	135/143.4 (MCS11)	19.00	23.98	-4.98
	5240	48	AVG	242	61	135/143.4 (MCS11)	19.00	23.98	-4.98
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.00	22.82	-3.82
	5300	60	AVG	242	61	135/143.4 (MCS11)	18.95	22.82	-3.87
	5320	64	AVG	242	61	135/143.4 (MCS11)	16.90	22.82	-5.92
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.40	23.29	-7.89
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.91	23.29	-4.38
	5540	108	AVG	242	61	135/143.4 (MCS11)	18.89	23.29	-4.40
	5580	116	AVG	242	61	135/143.4 (MCS11)	18.97	23.29	-4.32
	5660	132	AVG	242	61	135/143.4 (MCS11)	18.96	23.29	-4.33
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.87	23.29	-4.42
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.68	23.29	-9.61
	5720	144	AVG	242	61	135/143.4 (MCS11)	18.95	23.29	-4.34
	5745	149	AVG	242	61	135/143.4 (MCS11)	19.96	30.00	-10.04
	5785	157	AVG	242	61	135/143.4 (MCS11)	19.91	30.00	-10.09
	5825	165	AVG	242	61	135/143.4 (MCS11)	19.94	30.00	-10.06

Table 7-26. FCC Antenna 2b 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	484	65	271/286.8 (MCS11)	13.96	23.98	-10.02
	5230	46	AVG	484	65	271/286.8 (MCS11)	19.45	23.98	-4.53
	5270	54	AVG	484	65	271/286.8 (MCS11)	19.41	22.82	-3.41
	5310	62	AVG	484	65	271/286.8 (MCS11)	13.80	22.82	-9.02
	5510	102	AVG	484	65	271/286.8 (MCS11)	12.71	23.29	-10.58
	5550	110	AVG	484	65	271/286.8 (MCS11)	19.00	23.29	-4.29
	5590	118	AVG	484	65	271/286.8 (MCS11)	19.97	23.29	-3.32
	5630	126	AVG	484	65	271/286.8 (MCS11)	20.00	23.29	-3.29
	5670	134	AVG	484	65	271/286.8 (MCS11)	15.65	23.29	-7.64
	5710	142	AVG	484	65	271/286.8 (MCS11)	19.96	23.29	-3.33
	5755	151	AVG	484	65	271/286.8 (MCS11)	19.99	30.00	-10.01
	5795	159	AVG	484	65	271/286.8 (MCS11)	19.94	30.00	-10.06

Table 7-27. FCC Antenna 2b 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	996	67	567/600.5 (MCS11)	14.00	23.98	-9.98
	5290	58	AVG	996	67	567/600.5 (MCS11)	13.00	22.82	-9.82
	5530	106	AVG	996	67	567/600.5 (MCS11)	12.98	23.29	-10.31
	5610	122	AVG	996	67	567/600.5 (MCS11)	17.48	23.29	-5.81
	5690	138	AVG	996	67	567/600.5 (MCS11)	20.00	23.29	-3.29
	5775	155	AVG	996	67	567/600.5 (MCS11)	17.49	30.00	-12.51

Table 7-28. FCC Antenna 2b 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device		Page 61 of 397

ISED Antenna 2b Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	15.72	-	-	-1.10	14.62	22.62	-8.00
	5200	40	AVG	242	61	135/143.4 (MCS11)	15.63	-	-	-1.10	14.53	22.62	-8.09
	5240	48	AVG	242	61	135/143.4 (MCS11)	15.61	-	-	-1.10	14.51	22.62	-8.11
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.00	22.82	-3.82	0.90	19.90	28.82	-8.92
	5300	60	AVG	242	61	135/143.4 (MCS11)	18.95	22.82	-3.87	0.90	19.85	28.82	-8.97
	5320	64	AVG	242	61	135/143.4 (MCS11)	16.90	22.82	-5.92	0.90	17.80	28.82	-11.02
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.40	23.29	-7.89	0.30	15.70	29.29	-13.59
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.91	23.29	-4.38	0.30	19.21	29.29	-10.08
	5540	108	AVG	242	61	135/143.4 (MCS11)	18.89	23.29	-4.40	0.30	19.19	29.29	-10.10
	5580	116	AVG	242	61	135/143.4 (MCS11)	18.97	23.29	-4.32	0.30	19.27	29.29	-10.02
	5660	132	AVG	242	61	135/143.4 (MCS11)	18.96	23.29	-4.33	0.30	19.26	29.29	-10.03
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.87	23.29	-4.42	0.30	19.17	29.29	-10.12
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.68	23.29	-9.61	0.30	13.98	29.29	-15.31
	5720	144	AVG	242	61	135/143.4 (MCS11)	18.95	23.29	-4.34	0.30	19.25	29.29	-10.04
	5745	149	AVG	242	61	135/143.4 (MCS11)	19.96	30.00	-10.04	-1.20	18.76	-	-
	5785	157	AVG	242	61	135/143.4 (MCS11)	19.91	30.00	-10.09	-1.20	18.71	-	-
	5825	165	AVG	242	61	135/143.4 (MCS11)	19.94	30.00	-10.06	-1.20	18.74	-	-

Table 7-29. ISED Antenna 2b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	484	65	271/286.8 (MCS11)	13.96	-	-	-1.10	12.86	22.62	-9.76
	5230	46	AVG	484	65	271/286.8 (MCS11)	19.50	-	-	-1.10	18.40	22.62	-4.22
	5270	54	AVG	484	65	271/286.8 (MCS11)	19.41	22.82	-3.41	0.90	20.31	28.82	-8.51
	5310	62	AVG	484	65	271/286.8 (MCS11)	13.80	22.82	-9.02	0.90	14.70	28.82	-14.12
	5510	102	AVG	484	65	271/286.8 (MCS11)	12.71	23.29	-10.58	0.30	13.01	29.29	-16.28
	5550	110	AVG	484	65	271/286.8 (MCS11)	19.00	23.29	-4.29	0.30	19.30	29.29	-9.99
	5670	134	AVG	484	65	271/286.8 (MCS11)	15.65	23.29	-7.64	0.30	15.95	29.29	-13.34
	5710	142	AVG	484	65	271/286.8 (MCS11)	19.96	23.29	-3.33	0.30	20.26	29.29	-9.03
	5755	151	AVG	484	65	271/286.8 (MCS11)	19.99	30.00	-10.01	-1.20	18.79	-	-
	5795	159	AVG	484	65	271/286.8 (MCS11)	19.94	30.00	-10.06	-1.20	18.74	-	-

Table 7-30. ISED Antenna 2b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	996	67	567/600.5 (MCS11)	14.00	-	-	-1.10	12.90	22.62	-9.72
	5290	58	AVG	996	67	567/600.5 (MCS11)	13.00	22.82	-9.82	0.90	13.90	28.82	-14.92
	5530	106	AVG	996	67	567/600.5 (MCS11)	12.98	23.29	-10.31	0.30	13.28	29.29	-16.01
	5690	138	AVG	996	67	567/600.5 (MCS11)	20.00	23.29	-3.29	0.30	20.30	29.29	-8.99
	5775	155	AVG	996	67	567/600.5 (MCS11)	17.49	30.00	-12.51	-1.20	16.29	-	-

Table 7-31. ISED Antenna 2b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 62 of 397

FCC Antenna 1b Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	26	0	135/143.4 (MCS11)	10.87	23.98	-13.11
			AVG	26	4	135/143.4 (MCS11)	10.98	23.98	-13.00
			AVG	26	8	135/143.4 (MCS11)	10.95	23.98	-13.03
	5200	40	AVG	26	0	135/143.4 (MCS11)	10.23	23.98	-13.75
			AVG	26	4	135/143.4 (MCS11)	11.00	23.98	-12.98
			AVG	26	8	135/143.4 (MCS11)	10.65	23.98	-13.33
	5240	48	AVG	26	0	135/143.4 (MCS11)	10.40	23.98	-13.58
			AVG	26	4	135/143.4 (MCS11)	10.90	23.98	-13.08
			AVG	26	8	135/143.4 (MCS11)	10.45	23.98	-13.53
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.50	22.82	-12.32
			AVG	26	4	135/143.4 (MCS11)	10.90	22.82	-11.92
			AVG	26	8	135/143.4 (MCS11)	10.55	22.82	-12.27
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.45	22.82	-12.37
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82
			AVG	26	8	135/143.4 (MCS11)	10.65	22.82	-12.17
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.50	22.82	-12.32
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82
			AVG	26	8	135/143.4 (MCS11)	10.75	22.82	-12.07
	5500	100	AVG	26	0	135/143.4 (MCS11)	10.50	23.29	-12.79
			AVG	26	4	135/143.4 (MCS11)	10.88	23.29	-12.41
			AVG	26	8	135/143.4 (MCS11)	10.50	23.29	-12.79
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.75	23.29	-12.54
			AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29
			AVG	26	8	135/143.4 (MCS11)	10.65	23.29	-12.64
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.23	23.29	-13.06
			AVG	26	4	135/143.4 (MCS11)	10.99	23.29	-12.30
			AVG	26	8	135/143.4 (MCS11)	10.78	23.29	-12.51
	5745	149	AVG	26	0	135/143.4 (MCS11)	10.25	30.00	-19.75
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	8	135/143.4 (MCS11)	10.80	30.00	-19.20
	5785	157	AVG	26	0	135/143.4 (MCS11)	10.60	30.00	-19.40
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	8	135/143.4 (MCS11)	10.41	30.00	-19.59
	5825	165	AVG	26	0	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	8	135/143.4 (MCS11)	10.25	30.00	-19.75

Table 7-32. FCC Antenna 1b 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 63 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	26	0	271/286.8 (MCS11)	9.78	23.98	-14.20
			AVG	26	8	271/286.8 (MCS11)	11.00	23.98	-12.98
			AVG	26	17	271/286.8 (MCS11)	10.50	23.98	-13.48
	5230	46	AVG	26	0	271/286.8 (MCS11)	10.05	23.98	-13.93
			AVG	26	8	271/286.8 (MCS11)	10.98	23.98	-13.00
			AVG	26	17	271/286.8 (MCS11)	10.32	23.98	-13.66
	5270	54	AVG	26	0	271/286.8 (MCS11)	10.21	22.82	-12.61
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82
			AVG	26	17	271/286.8 (MCS11)	10.31	22.82	-12.51
	5310	62	AVG	26	0	271/286.8 (MCS11)	10.08	22.82	-12.74
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82
			AVG	26	17	271/286.8 (MCS11)	10.52	22.82	-12.30
	5510	102	AVG	26	0	271/286.8 (MCS11)	10.15	23.29	-13.14
			AVG	26	8	271/286.8 (MCS11)	10.98	23.29	-12.31
			AVG	26	17	271/286.8 (MCS11)	10.12	23.29	-13.17
	5550	110	AVG	26	0	271/286.8 (MCS11)	10.31	23.29	-12.98
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29
			AVG	26	17	271/286.8 (MCS11)	10.43	23.29	-12.86
	5710	142	AVG	26	0	271/286.8 (MCS11)	9.68	23.29	-13.61
			AVG	26	8	271/286.8 (MCS11)	10.95	23.29	-12.34
			AVG	26	17	271/286.8 (MCS11)	10.47	23.29	-12.82
	5755	151	AVG	26	0	271/286.8 (MCS11)	9.69	30.00	-20.31
			AVG	26	8	271/286.8 (MCS11)	10.93	30.00	-19.07
			AVG	26	17	271/286.8 (MCS11)	10.08	30.00	-19.92
	5795	159	AVG	26	0	271/286.8 (MCS11)	10.41	30.00	-19.59
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00
			AVG	26	17	271/286.8 (MCS11)	10.14	30.00	-19.86

Table 7-33. FCC Antenna 1b 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 64 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	26	0	567/600.5 (MCS11)	9.80	23.98	-14.18
			AVG	26	18	567/600.5 (MCS11)	10.90	23.98	-13.08
			AVG	26	36	567/600.5 (MCS11)	11.00	23.98	-12.98
	5290	58	AVG	26	0	567/600.5 (MCS11)	10.38	22.82	-12.44
			AVG	26	18	567/600.5 (MCS11)	10.92	22.82	-11.90
			AVG	26	36	567/600.5 (MCS11)	10.49	22.82	-12.33
	5530	106	AVG	26	0	567/600.5 (MCS11)	9.65	23.29	-13.64
			AVG	26	18	567/600.5 (MCS11)	10.50	23.29	-12.79
			AVG	26	36	567/600.5 (MCS11)	9.77	23.29	-13.52
	5610	122	AVG	26	0	567/600.5 (MCS11)	10.27	23.29	-13.02
			AVG	26	18	567/600.5 (MCS11)	10.95	23.29	-12.34
			AVG	26	36	567/600.5 (MCS11)	10.80	23.29	-12.49
	5690	138	AVG	26	0	567/600.5 (MCS11)	10.20	23.29	-13.09
			AVG	26	18	567/600.5 (MCS11)	10.96	23.29	-12.33
			AVG	26	36	567/600.5 (MCS11)	10.85	23.29	-12.44
	5775	155	AVG	26	0	567/600.5 (MCS11)	9.83	30.00	-20.17
			AVG	26	18	567/600.5 (MCS11)	11.00	30.00	-19.00
			AVG	26	36	567/600.5 (MCS11)	9.50	30.00	-20.50

Table 7-34. FCC Antenna 1b 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 65 of 397

ISED Antenna 1b Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	26	0	135/143.4 (MCS11)	8.95	-	-	-0.10	8.85	22.62	-13.77
			AVG	26	4	135/143.4 (MCS11)	9.71	-	-	-0.10	9.61	22.62	-13.01
			AVG	26	8	135/143.4 (MCS11)	9.49	-	-	-0.10	9.39	22.62	-13.23
	5200	40	AVG	26	0	135/143.4 (MCS11)	8.91	-	-	-0.10	8.81	22.62	-13.81
			AVG	26	4	135/143.4 (MCS11)	9.70	-	-	-0.10	9.60	22.62	-13.02
			AVG	26	8	135/143.4 (MCS11)	9.45	-	-	-0.10	9.35	22.62	-13.27
	5240	48	AVG	26	0	135/143.4 (MCS11)	9.14	-	-	-0.10	9.04	22.62	-13.58
			AVG	26	4	135/143.4 (MCS11)	9.71	-	-	-0.10	9.61	22.62	-13.01
			AVG	26	8	135/143.4 (MCS11)	9.29	-	-	-0.10	9.19	22.62	-13.43
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.50	22.82	-12.32	-0.70	9.80	28.82	-19.02
			AVG	26	4	135/143.4 (MCS11)	10.90	22.82	-11.92	-0.70	10.20	28.82	-18.62
			AVG	26	8	135/143.4 (MCS11)	10.55	22.82	-12.27	-0.70	9.85	28.82	-18.97
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.45	22.82	-12.37	-0.70	9.75	28.82	-19.07
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82	-0.70	10.30	28.82	-18.52
			AVG	26	8	135/143.4 (MCS11)	10.65	22.82	-12.17	-0.70	9.95	28.82	-18.87
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.50	22.82	-12.32	-0.70	9.80	28.82	-19.02
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82	-0.70	10.30	28.82	-18.52
			AVG	26	8	135/143.4 (MCS11)	10.75	22.82	-12.07	-0.70	10.05	28.82	-18.77
	5500	100	AVG	26	0	135/143.4 (MCS11)	10.50	23.29	-12.79	1.10	11.60	29.29	-17.69
			AVG	26	4	135/143.4 (MCS11)	10.88	23.29	-12.41	1.10	11.98	29.29	-17.31
			AVG	26	8	135/143.4 (MCS11)	10.50	23.29	-12.79	1.10	11.60	29.29	-17.69
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.75	23.29	-12.54	1.10	11.85	29.29	-17.44
			AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29	1.10	12.10	29.29	-17.19
			AVG	26	8	135/143.4 (MCS11)	10.65	23.29	-12.64	1.10	11.75	29.29	-17.54
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.23	23.29	-13.06	1.10	11.33	29.29	-17.96
			AVG	26	4	135/143.4 (MCS11)	10.99	23.29	-12.30	1.10	12.09	29.29	-17.20
			AVG	26	8	135/143.4 (MCS11)	10.78	23.29	-12.51	1.10	11.88	29.29	-17.41
	5745	149	AVG	26	0	135/143.4 (MCS11)	10.25	30.00	-19.75	1.10	11.35	-	-
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00	1.10	12.10	-	-
			AVG	26	8	135/143.4 (MCS11)	10.80	30.00	-19.20	1.10	11.90	-	-
	5785	157	AVG	26	0	135/143.4 (MCS11)	10.60	30.00	-19.40	1.10	11.70	-	-
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00	1.10	12.10	-	-
			AVG	26	8	135/143.4 (MCS11)	10.41	30.00	-19.59	1.10	11.51	-	-
	5825	165	AVG	26	0	135/143.4 (MCS11)	11.00	30.00	-19.00	1.10	12.10	-	-
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00	1.10	12.10	-	-
			AVG	26	8	135/143.4 (MCS11)	10.25	30.00	-19.75	1.10	11.35	-	-

Table 7-35. ISED Antenna 1b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 66 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	26	0	271/286.8 (MCS11)	8.32	-	-	-0.10	8.22	22.62	-14.40
			AVG	26	8	271/286.8 (MCS11)	9.56	-	-	-0.10	9.46	22.62	-13.16
			AVG	26	17	271/286.8 (MCS11)	8.99	-	-	-0.10	8.89	22.62	-13.73
	5230	46	AVG	26	0	271/286.8 (MCS11)	8.37	-	-	-0.10	8.27	22.62	-14.35
			AVG	26	8	271/286.8 (MCS11)	9.61	-	-	-0.10	9.51	22.62	-13.11
			AVG	26	17	271/286.8 (MCS11)	9.06	-	-	-0.10	8.96	22.62	-13.66
	5270	54	AVG	26	0	271/286.8 (MCS11)	10.21	22.82	-12.61	-0.70	9.51	28.82	-19.31
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82	-0.70	10.30	28.82	-18.52
			AVG	26	17	271/286.8 (MCS11)	10.31	22.82	-12.51	-0.70	9.61	28.82	-19.21
	5310	62	AVG	26	0	271/286.8 (MCS11)	10.08	22.82	-12.74	-0.70	9.38	28.82	-19.44
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82	-0.70	10.30	28.82	-18.52
			AVG	26	17	271/286.8 (MCS11)	10.52	22.82	-12.30	-0.70	9.82	28.82	-19.00
	5510	102	AVG	26	0	271/286.8 (MCS11)	10.15	23.29	-13.14	1.10	11.25	29.29	-18.04
			AVG	26	8	271/286.8 (MCS11)	10.98	23.29	-12.31	1.10	12.08	29.29	-17.21
			AVG	26	17	271/286.8 (MCS11)	10.12	23.29	-13.17	1.10	11.22	29.29	-18.07
	5550	110	AVG	26	0	271/286.8 (MCS11)	10.31	23.29	-12.98	1.10	11.41	29.29	-17.88
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29	1.10	12.10	29.29	-17.19
			AVG	26	17	271/286.8 (MCS11)	10.43	23.29	-12.86	1.10	11.53	29.29	-17.76
	5710	142	AVG	26	0	271/286.8 (MCS11)	9.68	23.29	-13.61	1.10	10.78	29.29	-18.51
			AVG	26	8	271/286.8 (MCS11)	10.95	23.29	-12.34	1.10	12.05	29.29	-17.24
			AVG	26	17	271/286.8 (MCS11)	10.47	23.29	-12.82	1.10	11.57	29.29	-17.72
	5755	151	AVG	26	0	271/286.8 (MCS11)	9.69	30.00	-20.31	1.10	10.79	-	-
			AVG	26	8	271/286.8 (MCS11)	10.93	30.00	-19.07	1.10	12.03	-	-
			AVG	26	17	271/286.8 (MCS11)	10.08	30.00	-19.92	1.10	11.18	-	-
	5795	159	AVG	26	0	271/286.8 (MCS11)	10.41	30.00	-19.59	1.10	11.51	-	-
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00	1.10	12.10	-	-
			AVG	26	17	271/286.8 (MCS11)	10.14	30.00	-19.86	1.10	11.24	-	-

Table 7-36. ISED Antenna 1b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	26	0	567/600.5 (MCS11)	8.81	-	-	-0.10	8.71	22.62	-13.91
			AVG	26	18	567/600.5 (MCS11)	9.75	-	-	-0.10	9.65	22.62	-12.97
			AVG	26	36	567/600.5 (MCS11)	9.72	-	-	-0.10	9.62	22.62	-13.00
	5290	58	AVG	26	0	567/600.5 (MCS11)	10.38	22.82	-12.44	-0.70	9.68	28.82	-19.14
			AVG	26	18	567/600.5 (MCS11)	10.92	22.82	-11.90	-0.70	10.22	28.82	-18.60
			AVG	26	36	567/600.5 (MCS11)	10.49	22.82	-12.33	-0.70	9.79	28.82	-19.03
	5530	106	AVG	26	0	567/600.5 (MCS11)	9.65	23.29	-13.64	1.10	10.75	29.29	-18.54
			AVG	26	18	567/600.5 (MCS11)	10.50	23.29	-12.79	1.10	11.60	29.29	-17.69
			AVG	26	36	567/600.5 (MCS11)	9.77	23.29	-13.52	1.10	10.87	29.29	-18.42
	5690	138	AVG	26	0	567/600.5 (MCS11)	10.20	23.29	-13.09	1.10	11.30	29.29	-17.99
			AVG	26	18	567/600.5 (MCS11)	10.96	23.29	-12.33	1.10	12.06	29.29	-17.23
			AVG	26	36	567/600.5 (MCS11)	10.85	23.29	-12.44	1.10	11.95	29.29	-17.34
	5775	155	AVG	26	0	567/600.5 (MCS11)	9.83	30.00	-20.17	1.10	10.93	-	-
			AVG	26	18	567/600.5 (MCS11)	11.00	30.00	-19.00	1.10	12.10	-	-
			AVG	26	36	567/600.5 (MCS11)	9.50	30.00	-20.50	1.10	10.60	-	-

Table 7-37. ISED Antenna 1b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 67 of 397

FCC Antenna 1b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	106	53	135/143.4 (MCS11)	16.31	23.98	-7.67
			AVG	106	54	135/143.4 (MCS11)	16.50	23.98	-7.48
	5200	40	AVG	106	53	135/143.4 (MCS11)	16.71	23.98	-7.27
			AVG	106	54	135/143.4 (MCS11)	16.77	23.98	-7.21
	5240	48	AVG	106	53	135/143.4 (MCS11)	16.82	23.98	-7.16
			AVG	106	54	135/143.4 (MCS11)	16.82	23.98	-7.16
	5260	52	AVG	106	53	135/143.4 (MCS11)	17.00	22.82	-5.82
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.00	22.82	-5.82
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.95	22.82	-5.87
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.50	23.29	-7.79
			AVG	106	54	135/143.4 (MCS11)	15.50	23.29	-7.79
	5520	104	AVG	106	53	135/143.4 (MCS11)	16.98	23.29	-6.31
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29
	5580	116	AVG	106	53	135/143.4 (MCS11)	16.99	23.29	-6.30
			AVG	106	54	135/143.4 (MCS11)	16.97	23.29	-6.32
	5680	136	AVG	106	53	135/143.4 (MCS11)	16.82	23.29	-6.47
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29
	5700	140	AVG	106	53	135/143.4 (MCS11)	13.45	23.29	-9.84
			AVG	106	54	135/143.4 (MCS11)	13.74	23.29	-9.55
	5720	144	AVG	106	53	135/143.4 (MCS11)	16.46	23.29	-6.83
			AVG	106	54	135/143.4 (MCS11)	16.92	23.29	-6.37
	5745	149	AVG	106	53	135/143.4 (MCS11)	16.65	30.00	-13.35
			AVG	106	54	135/143.4 (MCS11)	16.88	30.00	-13.12
	5785	157	AVG	106	53	135/143.4 (MCS11)	17.00	30.00	-13.00
			AVG	106	54	135/143.4 (MCS11)	16.93	30.00	-13.07
	5825	165	AVG	106	53	135/143.4 (MCS11)	16.93	30.00	-13.07
			AVG	106	54	135/143.4 (MCS11)	16.46	30.00	-13.54

Table 7-38. FCC Antenna 1b 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 68 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	242	61	271/286.8 (MCS11)	13.59	23.98	-10.39
			AVG	242	62	271/286.8 (MCS11)	14.00	23.98	-9.98
	5230	46	AVG	242	61	271/286.8 (MCS11)	18.65	23.98	-5.33
			AVG	242	62	271/286.8 (MCS11)	18.85	23.98	-5.13
	5270	54	AVG	242	61	271/286.8 (MCS11)	18.90	22.82	-3.92
			AVG	242	62	271/286.8 (MCS11)	19.00	22.82	-3.82
	5310	62	AVG	242	61	271/286.8 (MCS11)	13.71	22.82	-9.11
			AVG	242	62	271/286.8 (MCS11)	14.00	22.82	-8.82
	5510	102	AVG	242	61	271/286.8 (MCS11)	12.92	23.29	-10.37
			AVG	242	62	271/286.8 (MCS11)	13.00	23.29	-10.29
	5550	110	AVG	242	61	271/286.8 (MCS11)	18.71	23.29	-4.58
			AVG	242	62	271/286.8 (MCS11)	18.95	23.29	-4.34
	5590	118	AVG	242	61	271/286.8 (MCS11)	18.74	23.29	-4.55
			AVG	242	62	271/286.8 (MCS11)	19.00	23.29	-4.29
	5630	126	AVG	242	61	271/286.8 (MCS11)	18.55	23.29	-4.74
			AVG	242	62	271/286.8 (MCS11)	19.00	23.29	-4.29
	5670	134	AVG	242	61	271/286.8 (MCS11)	15.52	23.29	-7.77
			AVG	242	62	271/286.8 (MCS11)	15.84	23.29	-7.45
	5710	142	AVG	106	53	271/286.8 (MCS11)	16.03	23.29	-7.26
			AVG	106	54	271/286.8 (MCS11)	16.94	23.29	-6.35
			AVG	106	56	271/286.8 (MCS11)	16.54	23.29	-6.75
	5755	151	AVG	242	61	271/286.8 (MCS11)	19.75	30.00	-10.25
			AVG	242	62	271/286.8 (MCS11)	19.97	30.00	-10.03
	5795	159	AVG	242	61	271/286.8 (MCS11)	19.80	30.00	-10.20
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00

Table 7-39. FCC Antenna 1b 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	484	65	567/600.5 (MCS11)	13.38	23.98	-10.60
			AVG	484	66	567/600.5 (MCS11)	13.89	23.98	-10.09
	5290	58	AVG	484	65	567/600.5 (MCS11)	13.00	22.82	-9.82
			AVG	484	66	567/600.5 (MCS11)	13.00	22.82	-9.82
	5530	106	AVG	484	65	567/600.5 (MCS11)	12.70	23.29	-10.59
			AVG	484	66	567/600.5 (MCS11)	13.00	23.29	-10.29
	5610	122	AVG	484	65	567/600.5 (MCS11)	17.11	23.29	-6.18
			AVG	484	66	567/600.5 (MCS11)	17.48	23.29	-5.81
	5690	138	AVG	106	53	567/600.5 (MCS11)	16.55	23.29	-6.74
			AVG	106	56	567/600.5 (MCS11)	17.00	23.29	-6.29
			AVG	106	60	567/600.5 (MCS11)	17.00	23.29	-6.29
	5775	155	AVG	484	65	567/600.5 (MCS11)	17.32	30.00	-12.68
			AVG	484	66	567/600.5 (MCS11)	17.40	30.00	-12.60

Table 7-40. FCC Antenna 1b 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 69 of 397

ISED Antenna 1b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	106	53	135/143.4 (MCS11)	15.75	-	-	-0.10	15.65	22.62	-6.97
			AVG	106	54	135/143.4 (MCS11)	15.41	-	-	-0.10	15.31	22.62	-7.31
	5200	40	AVG	106	53	135/143.4 (MCS11)	15.40	-	-	-0.10	15.30	22.62	-7.32
			AVG	106	54	135/143.4 (MCS11)	15.63	-	-	-0.10	15.53	22.62	-7.09
	5240	48	AVG	106	53	135/143.4 (MCS11)	15.45	-	-	-0.10	15.35	22.62	-7.27
			AVG	106	54	135/143.4 (MCS11)	15.62	-	-	-0.10	15.52	22.62	-7.10
	5260	52	AVG	106	53	135/143.4 (MCS11)	17.00	22.82	-5.82	-0.70	16.30	28.82	-12.52
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	-0.70	16.30	28.82	-12.52
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.00	22.82	-5.82	-0.70	16.30	28.82	-12.52
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	-0.70	16.30	28.82	-12.52
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.95	22.82	-5.87	-0.70	16.25	28.82	-12.57
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	-0.70	16.30	28.82	-12.52
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.50	23.29	-7.79	1.10	16.60	29.29	-12.69
			AVG	106	54	135/143.4 (MCS11)	15.50	23.29	-7.79	1.10	16.60	29.29	-12.69
	5520	104	AVG	106	53	135/143.4 (MCS11)	16.98	23.29	-6.31	1.10	18.08	29.29	-11.21
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29	1.10	18.10	29.29	-11.19
	5580	116	AVG	106	53	135/143.4 (MCS11)	16.99	23.29	-6.30	1.10	18.09	29.29	-11.20
			AVG	106	54	135/143.4 (MCS11)	16.97	23.29	-6.32	1.10	18.07	29.29	-11.22
	5680	136	AVG	106	53	135/143.4 (MCS11)	16.82	23.29	-6.47	1.10	17.92	29.29	-11.37
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29	1.10	18.10	29.29	-11.19
	5700	140	AVG	106	53	135/143.4 (MCS11)	13.45	23.29	-9.84	1.10	14.55	29.29	-14.74
			AVG	106	54	135/143.4 (MCS11)	13.74	23.29	-9.55	1.10	14.84	29.29	-14.45
	5720	144	AVG	106	53	135/143.4 (MCS11)	16.46	23.29	-6.83	1.10	17.56	29.29	-11.73
			AVG	106	54	135/143.4 (MCS11)	16.92	23.29	-6.37	1.10	18.02	29.29	-11.27
	5745	149	AVG	106	53	135/143.4 (MCS11)	16.65	30.00	-13.35	1.10	17.75	-	-
			AVG	106	54	135/143.4 (MCS11)	16.88	30.00	-13.12	1.10	17.98	-	-
	5785	157	AVG	106	53	135/143.4 (MCS11)	17.00	30.00	-13.00	1.10	18.10	-	-
			AVG	106	54	135/143.4 (MCS11)	16.93	30.00	-13.07	1.10	18.03	-	-
	5825	165	AVG	106	53	135/143.4 (MCS11)	16.93	30.00	-13.07	1.10	18.03	-	-
			AVG	106	54	135/143.4 (MCS11)	16.46	30.00	-13.54	1.10	17.56	-	-

Table 7-41. ISED Antenna 1b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	242	61	271/286.8 (MCS11)	13.59	-	-	-0.10	13.49	22.62	-9.13
			AVG	242	62	271/286.8 (MCS11)	14.00	-	-	-0.10	13.90	22.62	-8.72
	5230	46	AVG	242	61	271/286.8 (MCS11)	15.38	-	-	-0.10	15.28	22.62	-7.34
			AVG	242	62	271/286.8 (MCS11)	15.69	-	-	-0.10	15.59	22.62	-7.03
	5270	54	AVG	242	61	271/286.8 (MCS11)	18.90	22.82	-3.92	-0.70	18.20	28.82	-10.62
			AVG	242	62	271/286.8 (MCS11)	19.00	22.82	-3.82	-0.70	18.30	28.82	-10.52
	5310	62	AVG	242	61	271/286.8 (MCS11)	13.71	22.82	-9.11	-0.70	13.01	28.82	-15.81
			AVG	242	62	271/286.8 (MCS11)	14.00	22.82	-8.82	-0.70	13.30	28.82	-15.52
	5510	102	AVG	242	61	271/286.8 (MCS11)	12.92	23.29	-10.37	1.10	14.02	29.29	-15.27
			AVG	242	62	271/286.8 (MCS11)	13.00	23.29	-10.29	1.10	14.10	29.29	-15.19
	5550	110	AVG	242	61	271/286.8 (MCS11)	18.71	23.29	-4.58	1.10	19.81	29.29	-9.48
			AVG	242	62	271/286.8 (MCS11)	18.95	23.29	-4.34	1.10	20.05	29.29	-9.24
	5670	134	AVG	242	61	271/286.8 (MCS11)	15.52	23.29	-7.77	1.10	16.62	29.29	-12.67
			AVG	242	62	271/286.8 (MCS11)	15.84	23.29	-7.45	1.10	16.94	29.29	-12.35
	5710	142	AVG	106	53	271/286.8 (MCS11)	16.03	23.29	-7.26	1.10	17.13	29.29	-12.16
			AVG	106	54	271/286.8 (MCS11)	16.94	23.29	-6.35	1.10	18.04	29.29	-11.25
			AVG	106	56	271/286.8 (MCS11)	16.54	23.29	-6.75	1.10	17.64	29.29	-11.65
	5755	151	AVG	242	61	271/286.8 (MCS11)	19.75	30.00	-10.25	1.10	20.85	-	-
			AVG	242	62	271/286.8 (MCS11)	19.97	30.00	-10.03	1.10	21.07	-	-
	5795	159	AVG	242	61	271/286.8 (MCS11)	19.80	30.00	-10.20	1.10	20.90	-	-
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00	1.10	21.10	-	-

Table 7-42. ISED Antenna 1b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 70 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	484	65	567/600.5 (MCS11)	13.38	-	-	-0.10	13.28	22.62	-9.34
			AVG	484	66	567/600.5 (MCS11)	13.89	-	-	-0.10	13.79	22.62	-8.83
	5290	58	AVG	484	65	567/600.5 (MCS11)	13.00	22.82	-9.82	-0.70	12.30	28.82	-16.52
			AVG	484	66	567/600.5 (MCS11)	13.00	22.82	-9.82	-0.70	12.30	28.82	-16.52
	5530	106	AVG	484	65	567/600.5 (MCS11)	12.70	23.29	-10.59	1.10	13.80	29.29	-15.49
			AVG	484	66	567/600.5 (MCS11)	13.00	23.29	-10.29	1.10	14.10	29.29	-15.19
	5690	138	AVG	106	53	567/600.5 (MCS11)	16.55	23.29	-6.74	1.10	17.65	29.29	-11.64
			AVG	106	56	567/600.5 (MCS11)	17.00	23.29	-6.29	1.10	18.10	29.29	-11.19
			AVG	106	60	567/600.5 (MCS11)	17.00	23.29	-6.29	1.10	18.10	29.29	-11.19
	5775	155	AVG	484	65	567/600.5 (MCS11)	17.32	30.00	-12.68	1.10	18.42	-	-
			AVG	484	66	567/600.5 (MCS11)	17.40	30.00	-12.60	1.10	18.50	-	-

Table 7-43. ISED Antenna 1b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 71 of 397

FCC Antenna 1b Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	16.25	23.98	-7.73
	5200	40	AVG	242	61	135/143.4 (MCS11)	19.00	23.98	-4.98
	5240	48	AVG	242	61	135/143.4 (MCS11)	18.90	23.98	-5.08
	5260	52	AVG	242	61	135/143.4 (MCS11)	18.96	22.82	-3.86
	5300	60	AVG	242	61	135/143.4 (MCS11)	18.96	22.82	-3.86
	5320	64	AVG	242	61	135/143.4 (MCS11)	17.00	22.82	-5.82
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.50	23.29	-7.79
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.98	23.29	-4.31
	5540	108	AVG	242	61	135/143.4 (MCS11)	18.99	23.29	-4.30
	5580	116	AVG	242	61	135/143.4 (MCS11)	18.94	23.29	-4.35
	5660	132	AVG	242	61	135/143.4 (MCS11)	18.92	23.29	-4.37
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.91	23.29	-4.38
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.75	23.29	-9.54
	5720	144	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29
	5745	149	AVG	242	61	135/143.4 (MCS11)	20.00	30.00	-10.00
	5785	157	AVG	242	61	135/143.4 (MCS11)	20.00	30.00	-10.00
	5825	165	AVG	242	61	135/143.4 (MCS11)	20.00	30.00	-10.00

Table 7-44. FCC Antenna 1b 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	484	65	271/286.8 (MCS11)	14.00	23.98	-9.98
	5230	46	AVG	484	65	271/286.8 (MCS11)	19.44	23.98	-4.54
	5270	54	AVG	484	65	271/286.8 (MCS11)	19.45	22.82	-3.37
	5310	62	AVG	484	65	271/286.8 (MCS11)	14.00	22.82	-8.82
	5510	102	AVG	484	65	271/286.8 (MCS11)	12.75	23.29	-10.54
	5550	110	AVG	484	65	271/286.8 (MCS11)	19.00	23.29	-4.29
	5590	118	AVG	484	65	271/286.8 (MCS11)	20.00	23.29	-3.29
	5630	126	AVG	484	65	271/286.8 (MCS11)	19.91	23.29	-3.38
	5670	134	AVG	484	65	271/286.8 (MCS11)	15.75	23.29	-7.54
	5710	142	AVG	484	65	271/286.8 (MCS11)	20.00	23.29	-3.29
	5755	151	AVG	484	65	271/286.8 (MCS11)	20.00	30.00	-10.00
	5795	159	AVG	484	65	271/286.8 (MCS11)	20.00	30.00	-10.00

Table 7-45. FCC Antenna 1b 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	996	67	567/600.5 (MCS11)	14.00	23.98	-9.98
	5290	58	AVG	996	67	567/600.5 (MCS11)	12.96	22.82	-9.86
	5530	106	AVG	996	67	567/600.5 (MCS11)	12.90	23.29	-10.39
	5610	122	AVG	996	67	567/600.5 (MCS11)	17.43	23.29	-5.86
	5690	138	AVG	996	67	567/600.5 (MCS11)	20.00	23.29	-3.29
	5775	155	AVG	996	67	567/600.5 (MCS11)	17.41	30.00	-12.59

Table 7-46. FCC Antenna 1b 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device		Page 72 of 397

ISED Antenna 1b Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	15.74	-	-	-0.10	15.64	22.62	-6.98
	5200	40	AVG	242	61	135/143.4 (MCS11)	15.71	-	-	-0.10	15.61	22.62	-7.01
	5240	48	AVG	242	61	135/143.4 (MCS11)	15.53	-	-	-0.10	15.43	22.62	-7.19
	5260	52	AVG	242	61	135/143.4 (MCS11)	18.96	22.82	-3.86	-0.70	18.26	28.82	-10.56
	5300	60	AVG	242	61	135/143.4 (MCS11)	18.96	22.82	-3.86	-0.70	18.26	28.82	-10.56
	5320	64	AVG	242	61	135/143.4 (MCS11)	17.00	22.82	-5.82	-0.70	16.30	28.82	-12.52
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.50	23.29	-7.79	1.10	16.60	29.29	-12.69
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.98	23.29	-4.31	1.10	20.08	29.29	-9.21
	5540	108	AVG	242	61	135/143.4 (MCS11)	18.99	23.29	-4.30	1.10	20.09	29.29	-9.20
	5580	116	AVG	242	61	135/143.4 (MCS11)	18.94	23.29	-4.35	1.10	20.04	29.29	-9.25
	5660	132	AVG	242	61	135/143.4 (MCS11)	18.92	23.29	-4.37	1.10	20.02	29.29	-9.27
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.91	23.29	-4.38	1.10	20.01	29.29	-9.28
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.75	23.29	-9.54	1.10	14.85	29.29	-14.44
	5720	144	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29	1.10	20.10	29.29	-9.19
	5745	149	AVG	242	61	135/143.4 (MCS11)	20.00	30.00	-10.00	1.10	21.10	-	-
	5785	157	AVG	242	61	135/143.4 (MCS11)	20.00	30.00	-10.00	1.10	21.10	-	-
	5825	165	AVG	242	61	135/143.4 (MCS11)	20.00	30.00	-10.00	1.10	21.10	-	-

Table 7-47. ISED Antenna 1b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	484	65	271/286.8 (MCS11)	14.00	-	-	-0.10	13.90	22.62	-8.72
	5230	46	AVG	484	65	271/286.8 (MCS11)	19.46	-	-	-0.10	19.36	22.62	-3.26
	5270	54	AVG	484	65	271/286.8 (MCS11)	19.45	22.82	-3.37	-0.70	18.75	28.82	-10.07
	5310	62	AVG	484	65	271/286.8 (MCS11)	14.00	22.82	-8.82	-0.70	13.30	28.82	-15.52
	5510	102	AVG	484	65	271/286.8 (MCS11)	12.75	23.29	-10.54	1.10	13.85	29.29	-15.44
	5550	110	AVG	484	65	271/286.8 (MCS11)	19.00	23.29	-4.29	1.10	20.10	29.29	-9.19
	5670	134	AVG	484	65	271/286.8 (MCS11)	15.75	23.29	-7.54	1.10	16.85	29.29	-12.44
	5710	142	AVG	484	65	271/286.8 (MCS11)	20.00	23.29	-3.29	1.10	21.10	29.29	-8.19
	5755	151	AVG	484	65	271/286.8 (MCS11)	20.00	30.00	-10.00	1.10	21.10	-	-
	5795	159	AVG	484	65	271/286.8 (MCS11)	20.00	30.00	-10.00	1.10	21.10	-	-

Table 7-48. ISED Antenna 1b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	996	67	567/600.5 (MCS11)	14.00	-	-	-0.10	13.90	22.62	-8.72
	5290	58	AVG	996	67	567/600.5 (MCS11)	12.96	22.82	-9.86	-0.70	12.26	28.82	-16.56
	5530	106	AVG	996	67	567/600.5 (MCS11)	12.90	23.29	-10.39	1.10	14.00	29.29	-15.29
	5690	138	AVG	996	67	567/600.5 (MCS11)	20.00	23.29	-3.29	1.10	21.10	29.29	-8.19
	5775	155	AVG	996	67	567/600.5 (MCS11)	17.41	30.00	-12.59	1.10	18.51	-	-

Table 7-49. ISED Antenna 1b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 73 of 397

FCC Antenna 3a Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	26	0	135/143.4 (MCS11)	10.27	23.98	-13.71
			AVG	26	4	135/143.4 (MCS11)	11.00	23.98	-12.98
			AVG	26	8	135/143.4 (MCS11)	10.55	23.98	-13.43
	5200	40	AVG	26	0	135/143.4 (MCS11)	10.86	23.98	-13.12
			AVG	26	4	135/143.4 (MCS11)	11.00	23.98	-12.98
			AVG	26	8	135/143.4 (MCS11)	11.00	23.98	-12.98
	5240	48	AVG	26	0	135/143.4 (MCS11)	10.51	23.98	-13.47
			AVG	26	4	135/143.4 (MCS11)	10.90	23.98	-13.08
			AVG	26	8	135/143.4 (MCS11)	10.76	23.98	-13.22
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.56	22.82	-12.26
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82
			AVG	26	8	135/143.4 (MCS11)	10.55	22.82	-12.27
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.85	22.82	-11.97
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82
			AVG	26	8	135/143.4 (MCS11)	11.00	22.82	-11.82
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.42	22.82	-12.40
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82
			AVG	26	8	135/143.4 (MCS11)	10.50	22.82	-12.32
	5500	100	AVG	26	0	135/143.4 (MCS11)	10.75	23.29	-12.54
			AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29
			AVG	26	8	135/143.4 (MCS11)	10.65	23.29	-12.64
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.51	23.29	-12.78
			AVG	26	4	135/143.4 (MCS11)	10.93	23.29	-12.36
			AVG	26	8	135/143.4 (MCS11)	10.32	23.29	-12.97
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.43	23.29	-12.86
			AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29
			AVG	26	8	135/143.4 (MCS11)	10.75	23.29	-12.54
	5745	149	AVG	26	0	135/143.4 (MCS11)	10.38	30.00	-19.62
			AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00
			AVG	26	8	135/143.4 (MCS11)	10.69	30.00	-19.31
	5785	157	AVG	26	0	135/143.4 (MCS11)	10.75	30.00	-19.25
			AVG	26	4	135/143.4 (MCS11)	10.97	30.00	-19.03
			AVG	26	8	135/143.4 (MCS11)	9.95	30.00	-20.05
	5825	165	AVG	26	0	135/143.4 (MCS11)	10.75	30.00	-19.25
			AVG	26	4	135/143.4 (MCS11)	10.91	30.00	-19.09
			AVG	26	8	135/143.4 (MCS11)	10.03	30.00	-19.97

Table 7-50. FCC Antenna 3a 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 74 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	26	0	271/286.8 (MCS11)	9.75	23.98	-14.23
			AVG	26	8	271/286.8 (MCS11)	11.00	23.98	-12.98
			AVG	26	17	271/286.8 (MCS11)	10.43	23.98	-13.55
	5230	46	AVG	26	0	271/286.8 (MCS11)	10.06	23.98	-13.92
			AVG	26	8	271/286.8 (MCS11)	11.00	23.98	-12.98
			AVG	26	17	271/286.8 (MCS11)	10.40	23.98	-13.58
	5270	54	AVG	26	0	271/286.8 (MCS11)	10.39	22.82	-12.43
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82
			AVG	26	17	271/286.8 (MCS11)	10.59	22.82	-12.23
	5310	62	AVG	26	0	271/286.8 (MCS11)	10.39	22.82	-12.43
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82
			AVG	26	17	271/286.8 (MCS11)	10.45	22.82	-12.37
	5510	102	AVG	26	0	271/286.8 (MCS11)	10.45	23.29	-12.84
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29
			AVG	26	17	271/286.8 (MCS11)	10.24	23.29	-13.05
	5550	110	AVG	26	0	271/286.8 (MCS11)	10.45	23.29	-12.84
			AVG	26	8	271/286.8 (MCS11)	10.95	23.29	-12.34
			AVG	26	17	271/286.8 (MCS11)	10.13	23.29	-13.16
	5710	142	AVG	26	0	271/286.8 (MCS11)	9.94	23.29	-13.35
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29
			AVG	26	17	271/286.8 (MCS11)	10.28	23.29	-13.01
	5755	151	AVG	26	0	271/286.8 (MCS11)	9.94	30.00	-20.06
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00
			AVG	26	17	271/286.8 (MCS11)	10.41	30.00	-19.59
	5795	159	AVG	26	0	271/286.8 (MCS11)	9.94	30.00	-20.06
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00
			AVG	26	17	271/286.8 (MCS11)	10.00	30.00	-20.00

Table 7-51. FCC Antenna 3a 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 75 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	26	0	567/600.5 (MCS11)	10.10	23.98	-13.88
			AVG	26	18	567/600.5 (MCS11)	11.00	23.98	-12.98
			AVG	26	36	567/600.5 (MCS11)	10.55	23.98	-13.43
	5290	58	AVG	26	0	567/600.5 (MCS11)	10.27	22.82	-12.55
			AVG	26	18	567/600.5 (MCS11)	10.95	22.82	-11.87
			AVG	26	36	567/600.5 (MCS11)	10.61	22.82	-12.21
	5530	106	AVG	26	0	567/600.5 (MCS11)	9.91	23.29	-13.38
			AVG	26	18	567/600.5 (MCS11)	10.50	23.29	-12.79
			AVG	26	36	567/600.5 (MCS11)	9.98	23.29	-13.31
	5610	122	AVG	26	0	567/600.5 (MCS11)	10.63	23.29	-12.66
			AVG	26	18	567/600.5 (MCS11)	11.00	23.29	-12.29
			AVG	26	36	567/600.5 (MCS11)	10.85	23.29	-12.44
	5690	138	AVG	26	0	567/600.5 (MCS11)	10.42	23.29	-12.87
			AVG	26	18	567/600.5 (MCS11)	10.99	23.29	-12.30
			AVG	26	36	567/600.5 (MCS11)	10.65	23.29	-12.64
	5775	155	AVG	26	0	567/600.5 (MCS11)	10.15	30.00	-19.85
			AVG	26	18	567/600.5 (MCS11)	11.00	30.00	-19.00
			AVG	26	36	567/600.5 (MCS11)	10.27	30.00	-19.73

Table 7-52. FCC Antenna 3a 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 76 of 397

ISED Antenna 3a Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	26	0	135/143.4 (MCS11)	9.01	-	-	1.20	10.21	22.62	-12.41
			AVG	26	4	135/143.4 (MCS11)	9.74	-	-	1.20	10.94	22.62	-11.68
			AVG	26	8	135/143.4 (MCS11)	9.51	-	-	1.20	10.71	22.62	-11.91
	5200	40	AVG	26	0	135/143.4 (MCS11)	9.03	-	-	1.20	10.23	22.62	-12.39
			AVG	26	4	135/143.4 (MCS11)	9.74	-	-	1.20	10.94	22.62	-11.68
			AVG	26	8	135/143.4 (MCS11)	9.42	-	-	1.20	10.62	22.62	-12.00
	5240	48	AVG	26	0	135/143.4 (MCS11)	8.75	-	-	1.20	9.95	22.62	-12.67
			AVG	26	4	135/143.4 (MCS11)	9.61	-	-	1.20	10.81	22.62	-11.81
			AVG	26	8	135/143.4 (MCS11)	9.14	-	-	1.20	10.34	22.62	-12.28
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.56	22.82	-12.26	0.70	11.26	28.82	-17.56
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82	0.70	11.70	28.82	-17.12
			AVG	26	8	135/143.4 (MCS11)	10.55	22.82	-12.27	0.70	11.25	28.82	-17.57
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.85	22.82	-11.97	0.70	11.55	28.82	-17.27
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82	0.70	11.70	28.82	-17.12
			AVG	26	8	135/143.4 (MCS11)	11.00	22.82	-11.82	0.70	11.70	28.82	-17.12
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.42	22.82	-12.40	0.70	11.12	28.82	-17.70
			AVG	26	4	135/143.4 (MCS11)	11.00	22.82	-11.82	0.70	11.70	28.82	-17.12
			AVG	26	8	135/143.4 (MCS11)	10.50	22.82	-12.32	0.70	11.20	28.82	-17.62
	5500	100	AVG	26	0	135/143.4 (MCS11)	10.75	23.29	-12.54	1.20	11.95	29.29	-17.34
AVG			26	4	135/143.4 (MCS11)	11.00	23.29	-12.29	1.20	12.20	29.29	-17.09	
AVG			26	8	135/143.4 (MCS11)	10.65	23.29	-12.64	1.20	11.85	29.29	-17.44	
5580	116	AVG	26	0	135/143.4 (MCS11)	10.51	23.29	-12.78	1.20	11.71	29.29	-17.58	
		AVG	26	4	135/143.4 (MCS11)	10.93	23.29	-12.36	1.20	12.13	29.29	-17.16	
		AVG	26	8	135/143.4 (MCS11)	10.32	23.29	-12.97	1.20	11.52	29.29	-17.77	
5720	144	AVG	26	0	135/143.4 (MCS11)	10.43	23.29	-12.86	1.20	11.63	29.29	-17.66	
		AVG	26	4	135/143.4 (MCS11)	11.00	23.29	-12.29	1.20	12.20	29.29	-17.09	
		AVG	26	8	135/143.4 (MCS11)	10.75	23.29	-12.54	1.20	11.95	29.29	-17.34	
5745	149	AVG	26	0	135/143.4 (MCS11)	10.38	30.00	-19.62	1.00	11.38	-	-	
		AVG	26	4	135/143.4 (MCS11)	11.00	30.00	-19.00	1.00	12.00	-	-	
		AVG	26	8	135/143.4 (MCS11)	10.69	30.00	-19.31	1.00	11.69	-	-	
5785	157	AVG	26	0	135/143.4 (MCS11)	10.75	30.00	-19.25	1.00	11.75	-	-	
		AVG	26	4	135/143.4 (MCS11)	10.97	30.00	-19.03	1.00	11.97	-	-	
		AVG	26	8	135/143.4 (MCS11)	9.95	30.00	-20.05	1.00	10.95	-	-	
5825	165	AVG	26	0	135/143.4 (MCS11)	10.75	30.00	-19.25	1.00	11.75	-	-	
		AVG	26	4	135/143.4 (MCS11)	10.91	30.00	-19.09	1.00	11.91	-	-	
		AVG	26	8	135/143.4 (MCS11)	10.03	30.00	-19.97	1.00	11.03	-	-	

Table 7-53. ISED Antenna 3a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 77 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	26	0	271/286.8 (MCS11)	8.33	-	-	1.20	9.53	22.62	-13.09
			AVG	26	8	271/286.8 (MCS11)	9.68	-	-	1.20	10.88	22.62	-11.74
			AVG	26	17	271/286.8 (MCS11)	9.08	-	-	1.20	10.28	22.62	-12.34
	5230	46	AVG	26	0	271/286.8 (MCS11)	8.66	-	-	1.20	9.86	22.62	-12.76
			AVG	26	8	271/286.8 (MCS11)	9.72	-	-	1.20	10.92	22.62	-11.70
			AVG	26	17	271/286.8 (MCS11)	9.14	-	-	1.20	10.34	22.62	-12.28
	5270	54	AVG	26	0	271/286.8 (MCS11)	10.39	22.82	-12.43	0.70	11.09	28.82	-17.73
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82	0.70	11.70	28.82	-17.12
			AVG	26	17	271/286.8 (MCS11)	10.59	22.82	-12.23	0.70	11.29	28.82	-17.53
	5310	62	AVG	26	0	271/286.8 (MCS11)	10.39	22.82	-12.43	0.70	11.09	28.82	-17.73
			AVG	26	8	271/286.8 (MCS11)	11.00	22.82	-11.82	0.70	11.70	28.82	-17.12
			AVG	26	17	271/286.8 (MCS11)	10.45	22.82	-12.37	0.70	11.15	28.82	-17.67
	5510	102	AVG	26	0	271/286.8 (MCS11)	10.45	23.29	-12.84	1.20	11.65	29.29	-17.64
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29	1.20	12.20	29.29	-17.09
			AVG	26	17	271/286.8 (MCS11)	10.24	23.29	-13.05	1.20	11.44	29.29	-17.85
	5550	110	AVG	26	0	271/286.8 (MCS11)	10.45	23.29	-12.84	1.20	11.65	29.29	-17.64
			AVG	26	8	271/286.8 (MCS11)	10.95	23.29	-12.34	1.20	12.15	29.29	-17.14
			AVG	26	17	271/286.8 (MCS11)	10.13	23.29	-13.16	1.20	11.33	29.29	-17.96
	5710	142	AVG	26	0	271/286.8 (MCS11)	9.94	23.29	-13.35	1.20	11.14	29.29	-18.15
			AVG	26	8	271/286.8 (MCS11)	11.00	23.29	-12.29	1.20	12.20	29.29	-17.09
			AVG	26	17	271/286.8 (MCS11)	10.28	23.29	-13.01	1.20	11.48	29.29	-17.81
	5755	151	AVG	26	0	271/286.8 (MCS11)	9.94	30.00	-20.06	1.00	10.94	-	-
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00	1.00	12.00	-	-
			AVG	26	17	271/286.8 (MCS11)	10.41	30.00	-19.59	1.00	11.41	-	-
	5795	159	AVG	26	0	271/286.8 (MCS11)	9.94	30.00	-20.06	1.00	10.94	-	-
			AVG	26	8	271/286.8 (MCS11)	11.00	30.00	-19.00	1.00	12.00	-	-
			AVG	26	17	271/286.8 (MCS11)	10.00	30.00	-20.00	1.00	11.00	-	-

Table 7-54. ISED Antenna 3a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	26	0	567/600.5 (MCS11)	8.86	-	-	1.20	10.06	22.62	-12.56
			AVG	26	18	567/600.5 (MCS11)	9.66	-	-	1.20	10.86	22.62	-11.76
			AVG	26	36	567/600.5 (MCS11)	9.42	-	-	1.20	10.62	22.62	-12.00
	5290	58	AVG	26	0	567/600.5 (MCS11)	10.27	22.82	-12.55	0.70	10.97	28.82	-17.85
			AVG	26	18	567/600.5 (MCS11)	10.95	22.82	-11.87	0.70	11.65	28.82	-17.17
			AVG	26	36	567/600.5 (MCS11)	10.61	22.82	-12.21	0.70	11.31	28.82	-17.51
	5530	106	AVG	26	0	567/600.5 (MCS11)	9.91	23.29	-13.38	1.20	11.11	29.29	-18.18
			AVG	26	18	567/600.5 (MCS11)	10.50	23.29	-12.79	1.20	11.70	29.29	-17.59
			AVG	26	36	567/600.5 (MCS11)	9.98	23.29	-13.31	1.20	11.18	29.29	-18.11
	5690	138	AVG	26	0	567/600.5 (MCS11)	10.42	23.29	-12.87	1.20	11.62	29.29	-17.67
			AVG	26	18	567/600.5 (MCS11)	10.99	23.29	-12.30	1.20	12.19	29.29	-17.10
			AVG	26	36	567/600.5 (MCS11)	10.65	23.29	-12.64	1.20	11.85	29.29	-17.44
	5775	155	AVG	26	0	567/600.5 (MCS11)	10.15	30.00	-19.85	1.00	11.15	-	-
			AVG	26	18	567/600.5 (MCS11)	11.00	30.00	-19.00	1.00	12.00	-	-
			AVG	26	36	567/600.5 (MCS11)	10.27	30.00	-19.73	1.00	11.27	-	-

Table 7-55. ISED Antenna 3a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 78 of 397

FCC Antenna 3a Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	106	53	135/143.4 (MCS11)	16.35	23.98	-7.63
			AVG	106	54	135/143.4 (MCS11)	16.45	23.98	-7.53
	5200	40	AVG	106	53	135/143.4 (MCS11)	16.83	23.98	-7.15
			AVG	106	54	135/143.4 (MCS11)	16.93	23.98	-7.05
	5240	48	AVG	106	53	135/143.4 (MCS11)	17.00	23.98	-6.98
			AVG	106	54	135/143.4 (MCS11)	17.00	23.98	-6.98
	5260	52	AVG	106	53	135/143.4 (MCS11)	16.85	22.82	-5.97
			AVG	106	54	135/143.4 (MCS11)	16.85	22.82	-5.97
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.00	22.82	-5.82
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.85	22.82	-5.97
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.22	23.29	-8.07
			AVG	106	54	135/143.4 (MCS11)	15.42	23.29	-7.87
	5520	104	AVG	106	53	135/143.4 (MCS11)	16.90	23.29	-6.39
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29
	5580	116	AVG	106	53	135/143.4 (MCS11)	16.90	23.29	-6.39
			AVG	106	54	135/143.4 (MCS11)	16.90	23.29	-6.39
	5680	136	AVG	106	53	135/143.4 (MCS11)	16.89	23.29	-6.40
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29
	5700	140	AVG	106	53	135/143.4 (MCS11)	13.36	23.29	-9.93
			AVG	106	54	135/143.4 (MCS11)	13.65	23.29	-9.64
	5720	144	AVG	106	53	135/143.4 (MCS11)	16.95	23.29	-6.34
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29
	5745	149	AVG	106	53	135/143.4 (MCS11)	16.80	30.00	-13.20
			AVG	106	54	135/143.4 (MCS11)	16.97	30.00	-13.03
	5785	157	AVG	106	53	135/143.4 (MCS11)	16.95	30.00	-13.05
			AVG	106	54	135/143.4 (MCS11)	16.92	30.00	-13.08
	5825	165	AVG	106	53	135/143.4 (MCS11)	16.94	30.00	-13.06
			AVG	106	54	135/143.4 (MCS11)	16.56	30.00	-13.44

Table 7-56. FCC Antenna 3a 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 79 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	242	61	271/286.8 (MCS11)	13.60	23.98	-10.38
			AVG	242	62	271/286.8 (MCS11)	13.87	23.98	-10.11
	5230	46	AVG	242	61	271/286.8 (MCS11)	18.60	23.98	-5.38
			AVG	242	62	271/286.8 (MCS11)	18.88	23.98	-5.10
	5270	54	AVG	242	61	271/286.8 (MCS11)	18.56	22.82	-4.26
			AVG	242	62	271/286.8 (MCS11)	18.86	22.82	-3.96
	5310	62	AVG	242	61	271/286.8 (MCS11)	13.70	22.82	-9.12
			AVG	242	62	271/286.8 (MCS11)	13.90	22.82	-8.92
	5510	102	AVG	242	61	271/286.8 (MCS11)	12.86	23.29	-10.43
			AVG	242	62	271/286.8 (MCS11)	12.97	23.29	-10.32
	5550	110	AVG	242	61	271/286.8 (MCS11)	18.85	23.29	-4.44
			AVG	242	62	271/286.8 (MCS11)	18.90	23.29	-4.39
	5590	118	AVG	242	61	271/286.8 (MCS11)	18.73	23.29	-4.56
			AVG	242	62	271/286.8 (MCS11)	18.88	23.29	-4.41
	5630	126	AVG	242	61	271/286.8 (MCS11)	18.74	23.29	-4.55
			AVG	242	62	271/286.8 (MCS11)	18.97	23.29	-4.32
	5670	134	AVG	242	61	271/286.8 (MCS11)	15.82	23.29	-7.47
			AVG	242	62	271/286.8 (MCS11)	16.00	23.29	-7.29
	5710	142	AVG	106	53	271/286.8 (MCS11)	16.48	23.29	-6.81
			AVG	106	54	271/286.8 (MCS11)	16.99	23.29	-6.30
			AVG	106	56	271/286.8 (MCS11)	16.80	23.29	-6.49
	5755	151	AVG	242	61	271/286.8 (MCS11)	20.00	30.00	-10.00
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00
	5795	159	AVG	242	61	271/286.8 (MCS11)	19.86	30.00	-10.14
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00

Table 7-57. FCC Antenna 3a 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	484	65	567/600.5 (MCS11)	13.65	23.98	-10.33
			AVG	484	66	567/600.5 (MCS11)	14.00	23.98	-9.98
	5290	58	AVG	484	65	567/600.5 (MCS11)	12.90	22.82	-9.92
			AVG	484	66	567/600.5 (MCS11)	12.97	22.82	-9.85
	5530	106	AVG	484	65	567/600.5 (MCS11)	12.84	23.29	-10.45
			AVG	484	66	567/600.5 (MCS11)	12.88	23.29	-10.41
	5610	122	AVG	484	65	567/600.5 (MCS11)	17.27	23.29	-6.02
			AVG	484	66	567/600.5 (MCS11)	17.48	23.29	-5.81
	5690	138	AVG	106	53	567/600.5 (MCS11)	16.72	23.29	-6.57
			AVG	106	56	567/600.5 (MCS11)	16.95	23.29	-6.34
			AVG	106	60	567/600.5 (MCS11)	16.79	23.29	-6.50
	5775	155	AVG	484	65	567/600.5 (MCS11)	17.33	30.00	-12.67
			AVG	484	66	567/600.5 (MCS11)	17.48	30.00	-12.52

Table 7-58. FCC Antenna 3a 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 80 of 397

ISED Antenna 3a Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	106	53	135/143.4 (MCS11)	15.33	-	-	1.20	16.53	22.62	-6.09
			AVG	106	54	135/143.4 (MCS11)	15.71	-	-	1.20	16.91	22.62	-5.71
	5200	40	AVG	106	53	135/143.4 (MCS11)	15.53	-	-	1.20	16.73	22.62	-5.89
			AVG	106	54	135/143.4 (MCS11)	15.74	-	-	1.20	16.94	22.62	-5.68
	5240	48	AVG	106	53	135/143.4 (MCS11)	15.69	-	-	1.20	16.89	22.62	-5.73
			AVG	106	54	135/143.4 (MCS11)	15.73	-	-	1.20	16.93	22.62	-5.69
	5260	52	AVG	106	53	135/143.4 (MCS11)	16.85	22.82	-5.97	0.70	17.55	28.82	-11.27
			AVG	106	54	135/143.4 (MCS11)	16.85	22.82	-5.97	0.70	17.55	28.82	-11.27
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.00	22.82	-5.82	0.70	17.70	28.82	-11.12
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	0.70	17.70	28.82	-11.12
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.85	22.82	-5.97	0.70	17.55	28.82	-11.27
			AVG	106	54	135/143.4 (MCS11)	17.00	22.82	-5.82	0.70	17.70	28.82	-11.12
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.22	23.29	-8.07	1.20	16.42	29.29	-12.87
			AVG	106	54	135/143.4 (MCS11)	15.42	23.29	-7.87	1.20	16.62	29.29	-12.67
	5520	104	AVG	106	53	135/143.4 (MCS11)	16.90	23.29	-6.39	1.20	18.10	29.29	-11.19
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29	1.20	18.20	29.29	-11.09
	5580	116	AVG	106	53	135/143.4 (MCS11)	16.90	23.29	-6.39	1.20	18.10	29.29	-11.19
			AVG	106	54	135/143.4 (MCS11)	16.90	23.29	-6.39	1.20	18.10	29.29	-11.19
	5680	136	AVG	106	53	135/143.4 (MCS11)	16.89	23.29	-6.40	1.20	18.09	29.29	-11.20
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29	1.20	18.20	29.29	-11.09
	5700	140	AVG	106	53	135/143.4 (MCS11)	13.36	23.29	-9.93	1.20	14.56	29.29	-14.73
			AVG	106	54	135/143.4 (MCS11)	13.65	23.29	-9.64	1.20	14.85	29.29	-14.44
	5720	144	AVG	106	53	135/143.4 (MCS11)	16.95	23.29	-6.34	1.20	18.15	29.29	-11.14
			AVG	106	54	135/143.4 (MCS11)	17.00	23.29	-6.29	1.20	18.20	29.29	-11.09
	5745	149	AVG	106	53	135/143.4 (MCS11)	16.80	30.00	-13.20	1.00	17.80	-	-
			AVG	106	54	135/143.4 (MCS11)	16.97	30.00	-13.03	1.00	17.97	-	-
	5785	157	AVG	106	53	135/143.4 (MCS11)	16.95	30.00	-13.05	1.00	17.95	-	-
			AVG	106	54	135/143.4 (MCS11)	16.92	30.00	-13.08	1.00	17.92	-	-
	5825	165	AVG	106	53	135/143.4 (MCS11)	16.94	30.00	-13.06	1.00	17.94	-	-
			AVG	106	54	135/143.4 (MCS11)	16.56	30.00	-13.44	1.00	17.56	-	-

Table 7-59. ISED Antenna 3a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	242	61	271/286.8 (MCS11)	13.60	-	-	1.20	14.80	22.62	-7.82
			AVG	242	62	271/286.8 (MCS11)	13.87	-	-	1.20	15.07	22.62	-7.55
	5230	46	AVG	242	61	271/286.8 (MCS11)	15.65	-	-	1.20	16.85	22.62	-5.77
			AVG	242	62	271/286.8 (MCS11)	15.70	-	-	1.20	16.90	22.62	-5.72
	5270	54	AVG	242	61	271/286.8 (MCS11)	18.56	22.82	-4.26	0.70	19.26	28.82	-9.56
			AVG	242	62	271/286.8 (MCS11)	18.86	22.82	-3.96	0.70	19.56	28.82	-9.26
	5310	62	AVG	242	61	271/286.8 (MCS11)	13.70	22.82	-9.12	0.70	14.40	28.82	-14.42
			AVG	242	62	271/286.8 (MCS11)	13.90	22.82	-8.92	0.70	14.60	28.82	-14.22
	5510	102	AVG	242	61	271/286.8 (MCS11)	12.86	23.29	-10.43	1.20	14.06	29.29	-15.23
			AVG	242	62	271/286.8 (MCS11)	12.97	23.29	-10.32	1.20	14.17	29.29	-15.12
	5550	110	AVG	242	61	271/286.8 (MCS11)	18.85	23.29	-4.44	1.20	20.05	29.29	-9.24
			AVG	242	62	271/286.8 (MCS11)	18.90	23.29	-4.39	1.20	20.10	29.29	-9.19
	5670	134	AVG	242	61	271/286.8 (MCS11)	15.82	23.29	-7.47	1.20	17.02	29.29	-12.27
			AVG	242	62	271/286.8 (MCS11)	16.00	23.29	-7.29	1.20	17.20	29.29	-12.09
	5710	142	AVG	106	53	271/286.8 (MCS11)	16.48	23.29	-6.81	1.20	17.68	29.29	-11.61
			AVG	106	54	271/286.8 (MCS11)	16.99	23.29	-6.30	1.20	18.19	29.29	-11.10
	5755	151	AVG	106	56	271/286.8 (MCS11)	16.80	23.29	-6.49	1.20	18.00	29.29	-11.29
			AVG	242	61	271/286.8 (MCS11)	20.00	30.00	-10.00	1.00	21.00	-	-
	5795	159	AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00	1.00	21.00	-	-
			AVG	242	61	271/286.8 (MCS11)	19.86	30.00	-10.14	1.00	20.86	-	-
			AVG	242	62	271/286.8 (MCS11)	20.00	30.00	-10.00	1.00	21.00	-	-
			AVG	242	61	271/286.8 (MCS11)	20.00	30.00	-10.00	1.00	21.00	-	-

Table 7-60. ISED Antenna 3a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 81 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	484	65	567/600.5 (MCS11)	13.65	-	-	1.20	14.85	22.62	-7.77
			AVG	484	66	567/600.5 (MCS11)	14.00	-	-	1.20	15.20	22.62	-7.42
	5290	58	AVG	484	65	567/600.5 (MCS11)	12.90	22.82	-9.92	0.70	13.60	28.82	-15.22
			AVG	484	66	567/600.5 (MCS11)	12.97	22.82	-9.85	0.70	13.67	28.82	-15.15
	5530	106	AVG	484	65	567/600.5 (MCS11)	12.84	23.29	-10.45	1.20	14.04	29.29	-15.25
			AVG	484	66	567/600.5 (MCS11)	12.88	23.29	-10.41	1.20	14.08	29.29	-15.21
	5690	138	AVG	106	53	567/600.5 (MCS11)	16.72	23.29	-6.57	1.20	17.92	29.29	-11.37
			AVG	106	56	567/600.5 (MCS11)	16.95	23.29	-6.34	1.20	18.15	29.29	-11.14
			AVG	106	60	567/600.5 (MCS11)	16.79	23.29	-6.50	1.20	17.99	29.29	-11.30
	5775	155	AVG	484	65	567/600.5 (MCS11)	17.33	30.00	-12.67	1.00	18.33	-	-
			AVG	484	66	567/600.5 (MCS11)	17.48	30.00	-12.52	1.00	18.48	-	-

Table 7-61. ISED Antenna 3a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 82 of 397

FCC Antenna 3a Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	16.25	23.98	-7.73
	5200	40	AVG	242	61	135/143.4 (MCS11)	19.00	23.98	-4.98
	5240	48	AVG	242	61	135/143.4 (MCS11)	19.00	23.98	-4.98
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.00	22.82	-3.82
	5300	60	AVG	242	61	135/143.4 (MCS11)	19.00	22.82	-3.82
	5320	64	AVG	242	61	135/143.4 (MCS11)	16.79	22.82	-6.03
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.00	23.29	-8.29
	5520	104	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29
	5540	108	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29
	5580	116	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29
	5660	132	AVG	242	61	135/143.4 (MCS11)	18.95	23.29	-4.34
	5680	136	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.75	23.29	-9.54
	5720	144	AVG	242	61	135/143.4 (MCS11)	18.92	23.29	-4.37
	5745	149	AVG	242	61	135/143.4 (MCS11)	19.99	30.00	-10.01
	5785	157	AVG	242	61	135/143.4 (MCS11)	19.95	30.00	-10.05
	5825	165	AVG	242	61	135/143.4 (MCS11)	19.92	30.00	-10.08

Table 7-62. FCC Antenna 3a 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	484	65	271/286.8 (MCS11)	14.00	23.98	-9.98
	5230	46	AVG	484	65	271/286.8 (MCS11)	19.43	23.98	-4.55
	5270	54	AVG	484	65	271/286.8 (MCS11)	19.50	22.82	-3.32
	5310	62	AVG	484	65	271/286.8 (MCS11)	13.99	22.82	-8.83
	5510	102	AVG	484	65	271/286.8 (MCS11)	12.75	23.29	-10.54
	5550	110	AVG	484	65	271/286.8 (MCS11)	18.90	23.29	-4.39
	5590	118	AVG	484	65	271/286.8 (MCS11)	20.00	23.29	-3.29
	5630	126	AVG	484	65	271/286.8 (MCS11)	19.90	23.29	-3.39
	5670	134	AVG	484	65	271/286.8 (MCS11)	15.62	23.29	-7.67
	5710	142	AVG	484	65	271/286.8 (MCS11)	19.96	23.29	-3.33
	5755	151	AVG	484	65	271/286.8 (MCS11)	20.00	30.00	-10.00
	5795	159	AVG	484	65	271/286.8 (MCS11)	19.95	30.00	-10.05

Table 7-63. FCC Antenna 3a 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	996	67	567/600.5 (MCS11)	13.96	23.98	-10.02
	5290	58	AVG	996	67	567/600.5 (MCS11)	12.86	22.82	-9.96
	5530	106	AVG	996	67	567/600.5 (MCS11)	12.90	23.29	-10.39
	5610	122	AVG	996	67	567/600.5 (MCS11)	17.37	23.29	-5.92
	5690	138	AVG	996	67	567/600.5 (MCS11)	19.95	23.29	-3.34
	5775	155	AVG	996	67	567/600.5 (MCS11)	17.50	30.00	-12.50

Table 7-64. FCC Antenna 3a 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 83 of 397

ISED Antenna 3a Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	15.73	-	-	1.20	16.93	22.62	-5.69
	5200	40	AVG	242	61	135/143.4 (MCS11)	15.74	-	-	1.20	16.94	22.62	-5.68
	5240	48	AVG	242	61	135/143.4 (MCS11)	15.69	-	-	1.20	16.89	22.62	-5.73
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.00	22.82	-3.82	0.70	19.70	28.82	-9.12
	5300	60	AVG	242	61	135/143.4 (MCS11)	19.00	22.82	-3.82	0.70	19.70	28.82	-9.12
	5320	64	AVG	242	61	135/143.4 (MCS11)	16.79	22.82	-6.03	0.70	17.49	28.82	-11.33
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.00	23.29	-8.29	1.20	16.20	29.29	-13.09
	5520	104	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29	1.20	20.20	29.29	-9.09
	5540	108	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29	1.20	20.20	29.29	-9.09
	5580	116	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29	1.20	20.20	29.29	-9.09
	5660	132	AVG	242	61	135/143.4 (MCS11)	18.95	23.29	-4.34	1.20	20.15	29.29	-9.14
	5680	136	AVG	242	61	135/143.4 (MCS11)	19.00	23.29	-4.29	1.20	20.20	29.29	-9.09
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.75	23.29	-9.54	1.20	14.95	29.29	-14.34
	5720	144	AVG	242	61	135/143.4 (MCS11)	18.92	23.29	-4.37	1.20	20.12	29.29	-9.17
	5745	149	AVG	242	61	135/143.4 (MCS11)	19.99	30.00	-10.01	1.00	20.99	-	-
	5785	157	AVG	242	61	135/143.4 (MCS11)	19.95	30.00	-10.05	1.00	20.95	-	-
	5825	165	AVG	242	61	135/143.4 (MCS11)	19.92	30.00	-10.08	1.00	20.92	-	-

Table 7-65. ISED Antenna 3a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	484	65	271/286.8 (MCS11)	14.00	-	-	1.20	15.20	22.62	-7.42
	5230	46	AVG	484	65	271/286.8 (MCS11)	19.47	-	-	1.20	20.67	22.62	-1.95
	5270	54	AVG	484	65	271/286.8 (MCS11)	19.50	22.82	-3.32	0.70	20.20	28.82	-8.62
	5310	62	AVG	484	65	271/286.8 (MCS11)	13.99	22.82	-8.83	0.70	14.69	28.82	-14.13
	5510	102	AVG	484	65	271/286.8 (MCS11)	12.75	23.29	-10.54	1.20	13.95	29.29	-15.34
	5550	110	AVG	484	65	271/286.8 (MCS11)	18.90	23.29	-4.39	1.20	20.10	29.29	-9.19
	5670	134	AVG	484	65	271/286.8 (MCS11)	15.62	23.29	-7.67	1.20	16.82	29.29	-12.47
	5710	142	AVG	484	65	271/286.8 (MCS11)	19.96	23.29	-3.33	1.20	21.16	29.29	-8.13
	5755	151	AVG	484	65	271/286.8 (MCS11)	20.00	30.00	-10.00	1.00	21.00	-	-
	5795	159	AVG	484	65	271/286.8 (MCS11)	19.95	30.00	-10.05	1.00	20.95	-	-

Table 7-66. ISED Antenna 3a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	996	67	567/600.5 (MCS11)	13.96	-	-	1.20	15.16	22.62	-7.46
	5290	58	AVG	996	67	567/600.5 (MCS11)	12.86	22.82	-9.96	0.70	13.56	28.82	-15.26
	5530	106	AVG	996	67	567/600.5 (MCS11)	12.90	23.29	-10.39	1.20	14.10	29.29	-15.19
	5690	138	AVG	996	67	567/600.5 (MCS11)	19.95	23.29	-3.34	1.20	21.15	29.29	-8.14
	5775	155	AVG	996	67	567/600.5 (MCS11)	17.50	30.00	-12.50	1.00	18.50	-	-

Table 7-67. ISED Antenna 3a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 84 of 397

FCC CDD Primary Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
5180	36		CDD	AVG	26	0	270/286.8 (MCS11)	7.96	8.30	11.14	23.98	-12.84
			CDD	AVG	26	4	270/286.8 (MCS11)	8.82	8.90	11.87	23.98	-12.11
			CDD	AVG	26	8	270/286.8 (MCS11)	8.36	8.60	11.49	23.98	-12.49
5200	40		CDD	AVG	26	0	270/286.8 (MCS11)	8.27	8.48	11.39	23.98	-12.59
			CDD	AVG	26	4	270/286.8 (MCS11)	8.96	9.00	11.99	23.98	-11.99
			CDD	AVG	26	8	270/286.8 (MCS11)	8.53	8.64	11.60	23.98	-12.38
5240	48		CDD	AVG	26	0	270/286.8 (MCS11)	8.40	8.55	11.49	23.98	-12.49
			CDD	AVG	26	4	270/286.8 (MCS11)	8.97	9.00	12.00	23.98	-11.98
			CDD	AVG	26	8	270/286.8 (MCS11)	8.50	8.57	11.55	23.98	-12.43
5260	52		CDD	AVG	26	0	270/286.8 (MCS11)	8.25	8.30	11.29	22.82	-11.53
			CDD	AVG	26	4	270/286.8 (MCS11)	8.90	9.00	11.96	22.82	-10.86
			CDD	AVG	26	8	270/286.8 (MCS11)	8.34	8.20	11.28	22.82	-11.54
5300	60		CDD	AVG	26	0	270/286.8 (MCS11)	8.45	8.25	11.36	22.82	-11.46
			CDD	AVG	26	4	270/286.8 (MCS11)	8.95	9.00	11.99	22.82	-10.83
			CDD	AVG	26	8	270/286.8 (MCS11)	8.54	8.44	11.50	22.82	-11.32
5320	64		CDD	AVG	26	0	270/286.8 (MCS11)	8.30	8.25	11.29	22.82	-11.53
			CDD	AVG	26	4	270/286.8 (MCS11)	8.88	8.95	11.93	22.82	-10.89
			CDD	AVG	26	8	270/286.8 (MCS11)	8.60	8.50	11.56	22.82	-11.26
5500	100		CDD	AVG	26	0	270/286.8 (MCS11)	8.30	8.70	11.51	23.29	-11.78
			CDD	AVG	26	4	270/286.8 (MCS11)	8.90	9.00	11.96	23.29	-11.33
			CDD	AVG	26	8	270/286.8 (MCS11)	8.40	8.45	11.44	23.29	-11.85
5580	116		CDD	AVG	26	0	270/286.8 (MCS11)	8.30	8.46	11.39	23.29	-11.90
			CDD	AVG	26	4	270/286.8 (MCS11)	8.95	9.00	11.99	23.29	-11.30
			CDD	AVG	26	8	270/286.8 (MCS11)	8.70	8.30	11.51	23.29	-11.78
5720	144		CDD	AVG	26	0	270/286.8 (MCS11)	8.60	8.12	11.38	23.29	-11.91
			CDD	AVG	26	4	270/286.8 (MCS11)	9.00	8.99	12.01	23.29	-11.28
			CDD	AVG	26	8	270/286.8 (MCS11)	8.65	8.70	11.69	23.29	-11.60
5745	149		CDD	AVG	26	0	270/286.8 (MCS11)	10.59	10.38	13.50	30.00	-16.50
			CDD	AVG	26	4	270/286.8 (MCS11)	10.96	10.98	13.98	30.00	-16.02
			CDD	AVG	26	8	270/286.8 (MCS11)	10.32	10.51	13.43	30.00	-16.57
5785	157		CDD	AVG	26	0	270/286.8 (MCS11)	10.35	10.30	13.34	30.00	-16.66
			CDD	AVG	26	4	270/286.8 (MCS11)	11.00	10.90	13.96	30.00	-16.04
			CDD	AVG	26	8	270/286.8 (MCS11)	10.45	10.00	13.24	30.00	-16.76
5825	165		CDD	AVG	26	0	270/286.8 (MCS11)	10.51	10.92	13.73	30.00	-16.27
			CDD	AVG	26	4	270/286.8 (MCS11)	11.00	10.95	13.99	30.00	-16.01
			CDD	AVG	26	8	270/286.8 (MCS11)	10.61	9.98	13.32	30.00	-16.68

Table 7-68. FCC CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 85 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
5190	38		CDD	AVG	26	0	540/573.5 (MCS11)	7.85	7.85	10.86	23.98	-13.12
			CDD	AVG	26	8	540/573.5 (MCS11)	8.90	9.00	11.96	23.98	-12.02
			CDD	AVG	26	17	540/573.5 (MCS11)	8.46	8.55	11.52	23.98	-12.46
5230	46		CDD	AVG	26	0	540/573.5 (MCS11)	7.92	8.07	11.01	23.98	-12.97
			CDD	AVG	26	8	540/573.5 (MCS11)	8.88	8.96	11.93	23.98	-12.05
			CDD	AVG	26	17	540/573.5 (MCS11)	8.37	8.21	11.30	23.98	-12.68
5270	54		CDD	AVG	26	0	540/573.5 (MCS11)	8.16	8.18	11.18	22.82	-11.64
			CDD	AVG	26	8	540/573.5 (MCS11)	9.00	8.94	11.98	22.82	-10.84
			CDD	AVG	26	17	540/573.5 (MCS11)	8.54	8.32	11.44	22.82	-11.38
5310	62		CDD	AVG	26	0	540/573.5 (MCS11)	7.93	8.04	11.00	22.82	-11.82
			CDD	AVG	26	8	540/573.5 (MCS11)	8.80	8.97	11.90	22.82	-10.92
			CDD	AVG	26	17	540/573.5 (MCS11)	8.22	8.55	11.40	22.82	-11.42
5510	102		CDD	AVG	26	0	540/573.5 (MCS11)	7.97	8.35	11.17	23.29	-12.12
			CDD	AVG	26	8	540/573.5 (MCS11)	8.97	8.99	11.99	23.29	-11.30
			CDD	AVG	26	17	540/573.5 (MCS11)	8.39	8.61	11.51	23.29	-11.78
5550	110		CDD	AVG	26	0	540/573.5 (MCS11)	7.81	8.36	11.10	23.29	-12.19
			CDD	AVG	26	8	540/573.5 (MCS11)	8.97	8.95	11.97	23.29	-11.32
			CDD	AVG	26	17	540/573.5 (MCS11)	8.28	8.53	11.42	23.29	-11.87
5710	142		CDD	AVG	26	0	540/573.5 (MCS11)	8.37	7.65	11.04	23.29	-12.25
			CDD	AVG	26	8	540/573.5 (MCS11)	8.83	9.00	11.93	23.29	-11.36
			CDD	AVG	26	17	540/573.5 (MCS11)	8.45	8.32	11.40	23.29	-11.89
5755	151		CDD	AVG	26	0	540/573.5 (MCS11)	10.46	9.55	13.04	30.00	-16.96
			CDD	AVG	26	8	540/573.5 (MCS11)	11.00	10.80	13.91	30.00	-16.09
			CDD	AVG	26	17	540/573.5 (MCS11)	10.43	9.97	13.22	30.00	-16.78
5795	159		CDD	AVG	26	0	540/573.5 (MCS11)	10.26	10.41	13.35	30.00	-16.65
			CDD	AVG	26	8	540/573.5 (MCS11)	10.99	11.00	14.01	30.00	-15.99
			CDD	AVG	26	17	540/573.5 (MCS11)	10.44	10.17	13.32	30.00	-16.68

Table 7-69. FCC CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
5210	42		CDD	AVG	26	0	1134/1201 (MCS11)	7.80	7.78	10.80	23.98	-13.18
			CDD	AVG	26	18	1134/1201 (MCS11)	8.96	8.96	11.97	23.98	-12.01
			CDD	AVG	26	36	1134/1201 (MCS11)	8.83	8.56	11.71	23.98	-12.27
5290	58		CDD	AVG	26	0	1134/1201 (MCS11)	8.27	7.95	11.12	22.82	-11.70
			CDD	AVG	26	18	1134/1201 (MCS11)	8.90	8.84	11.88	22.82	-10.94
			CDD	AVG	26	36	1134/1201 (MCS11)	8.43	8.40	11.43	22.82	-11.39
5530	106		CDD	AVG	26	0	1134/1201 (MCS11)	8.28	8.12	11.21	23.29	-12.08
			CDD	AVG	26	18	1134/1201 (MCS11)	8.98	8.86	11.93	23.29	-11.36
			CDD	AVG	26	36	1134/1201 (MCS11)	8.82	8.17	11.52	23.29	-11.77
5610	122		CDD	AVG	26	0	1134/1201 (MCS11)	8.36	8.40	11.39	23.29	-11.90
			CDD	AVG	26	18	1134/1201 (MCS11)	8.97	8.95	11.97	23.29	-11.32
			CDD	AVG	26	36	1134/1201 (MCS11)	8.74	8.79	11.78	23.29	-11.51
5690	138		CDD	AVG	26	0	1134/1201 (MCS11)	8.68	8.32	11.51	23.29	-11.78
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	8.90	11.96	23.29	-11.33
			CDD	AVG	26	36	1134/1201 (MCS11)	8.81	8.79	11.81	23.29	-11.48
5775	155		CDD	AVG	26	0	1134/1201 (MCS11)	10.72	10.13	13.45	30.00	-16.55
			CDD	AVG	26	18	1134/1201 (MCS11)	10.94	10.92	13.94	30.00	-16.06
			CDD	AVG	26	36	1134/1201 (MCS11)	10.55	10.00	13.29	30.00	-16.71

Table 7-70. FCC CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 86 of 397

ISED CDD/SDM Primary Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
5180	36		SDM	AVG	26	0	270/286.8 (MCS11)	6.65	6.82	11.14	-	-	-0.57	10.57	22.62	-12.05
			SDM	AVG	26	4	270/286.8 (MCS11)	7.61	7.68	11.87	-	-	-0.57	11.30	22.62	-11.32
			SDM	AVG	26	8	270/286.8 (MCS11)	7.07	7.33	11.49	-	-	-0.57	10.92	22.62	-11.70
5200	40		SDM	AVG	26	0	270/286.8 (MCS11)	6.93	6.85	11.39	-	-	-0.57	10.82	22.62	-11.80
			SDM	AVG	26	4	270/286.8 (MCS11)	7.58	7.62	11.99	-	-	-0.57	11.42	22.62	-11.20
			SDM	AVG	26	8	270/286.8 (MCS11)	7.24	7.08	11.60	-	-	-0.57	11.03	22.62	-11.59
5240	48		SDM	AVG	26	0	270/286.8 (MCS11)	6.87	7.04	11.49	-	-	-0.57	10.92	22.62	-11.70
			SDM	AVG	26	4	270/286.8 (MCS11)	7.66	7.67	12.00	-	-	-0.57	11.43	22.62	-11.19
			SDM	AVG	26	8	270/286.8 (MCS11)	7.01	7.19	11.55	-	-	-0.57	10.98	22.62	-11.64
5260	52		CDD	AVG	26	0	270/286.8 (MCS11)	8.25	8.30	11.29	22.82	-11.53	3.15	14.44	28.82	-14.39
			CDD	AVG	26	4	270/286.8 (MCS11)	8.90	9.00	11.96	22.82	-10.86	3.15	15.11	28.82	-13.72
			CDD	AVG	26	8	270/286.8 (MCS11)	8.34	8.20	11.28	22.82	-11.54	3.15	14.43	28.82	-14.40
5300	60		CDD	AVG	26	0	270/286.8 (MCS11)	8.45	8.25	11.36	22.82	-11.46	3.15	14.51	28.82	-14.32
			CDD	AVG	26	4	270/286.8 (MCS11)	8.95	9.00	11.99	22.82	-10.83	3.15	15.14	28.82	-13.69
			CDD	AVG	26	8	270/286.8 (MCS11)	8.54	8.44	11.50	22.82	-11.32	3.15	14.65	28.82	-14.18
5320	64		CDD	AVG	26	0	270/286.8 (MCS11)	8.30	8.25	11.29	22.82	-11.53	3.15	14.44	28.82	-14.39
			CDD	AVG	26	4	270/286.8 (MCS11)	8.88	8.95	11.93	22.82	-10.89	3.15	15.08	28.82	-13.75
			CDD	AVG	26	8	270/286.8 (MCS11)	8.60	8.50	11.56	22.82	-11.26	3.15	14.71	28.82	-14.12
5500	100		CDD	AVG	26	0	270/286.8 (MCS11)	8.30	8.70	11.51	23.29	-11.78	3.72	15.23	29.29	-14.06
			CDD	AVG	26	4	270/286.8 (MCS11)	8.90	9.00	11.96	23.29	-11.33	3.72	15.68	29.29	-13.61
			CDD	AVG	26	8	270/286.8 (MCS11)	8.40	8.45	11.44	23.29	-11.85	3.72	15.16	29.29	-14.13
5580	116		CDD	AVG	26	0	270/286.8 (MCS11)	8.30	8.46	11.39	23.29	-11.90	3.72	15.11	29.29	-14.18
			CDD	AVG	26	4	270/286.8 (MCS11)	8.95	9.00	11.99	23.29	-11.30	3.72	15.71	29.29	-13.58
			CDD	AVG	26	8	270/286.8 (MCS11)	8.70	8.30	11.51	23.29	-11.78	3.72	15.23	29.29	-14.06
5720	144		CDD	AVG	26	0	270/286.8 (MCS11)	8.60	8.12	11.38	23.29	-11.91	3.72	15.10	29.29	-14.19
			CDD	AVG	26	4	270/286.8 (MCS11)	9.00	8.99	12.01	23.29	-11.28	3.72	15.73	29.29	-13.56
			CDD	AVG	26	8	270/286.8 (MCS11)	8.65	8.70	11.69	23.29	-11.60	3.72	15.41	29.29	-13.88
5745	149		CDD	AVG	26	0	270/286.8 (MCS11)	10.59	10.38	13.50	30.00	-16.50	3.04	16.54	-	-
			CDD	AVG	26	4	270/286.8 (MCS11)	10.96	10.98	13.98	30.00	-16.02	3.04	17.02	-	-
			CDD	AVG	26	8	270/286.8 (MCS11)	10.32	10.51	13.43	30.00	-16.57	3.04	16.47	-	-
5785	157		CDD	AVG	26	0	270/286.8 (MCS11)	10.35	10.30	13.34	30.00	-16.66	3.04	16.38	-	-
			CDD	AVG	26	4	270/286.8 (MCS11)	11.00	10.90	13.96	30.00	-16.04	3.04	17.00	-	-
			CDD	AVG	26	8	270/286.8 (MCS11)	10.45	10.00	13.24	30.00	-16.76	3.04	16.28	-	-
5825	165		CDD	AVG	26	0	270/286.8 (MCS11)	10.51	10.92	13.73	30.00	-16.27	3.04	16.77	-	-
			CDD	AVG	26	4	270/286.8 (MCS11)	11.00	10.95	13.99	30.00	-16.01	3.04	17.03	-	-
			CDD	AVG	26	8	270/286.8 (MCS11)	10.61	9.98	13.32	30.00	-16.68	3.04	16.36	-	-

Table 7-71. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
5190	38		SDM	AVG	26	0	540/573.5 (MCS11)	6.54	6.49	10.86	-	-	-0.57	10.29	22.62	-12.33
			SDM	AVG	26	8	540/573.5 (MCS11)	7.72	7.74	11.96	-	-	-0.57	11.39	22.62	-11.23
			SDM	AVG	26	17	540/573.5 (MCS11)	7.14	7.22	11.52	-	-	-0.57	10.95	22.62	-11.67
5230	46		SDM	AVG	26	0	540/573.5 (MCS11)	6.71	6.67	11.01	-	-	-0.57	10.44	22.62	-12.18
			SDM	AVG	26	8	540/573.5 (MCS11)	7.73	7.62	11.93	-	-	-0.57	11.36	22.62	-11.26
			SDM	AVG	26	17	540/573.5 (MCS11)	7.08	7.05	11.30	-	-	-0.57	10.73	22.62	-11.89
5270	54		CDD	AVG	26	0	540/573.5 (MCS11)	8.16	8.18	11.18	22.82	-11.64	3.15	14.33	28.82	-14.50
			CDD	AVG	26	8	540/573.5 (MCS11)	9.00	8.94	11.98	22.82	-10.84	3.15	15.13	28.82	-13.70
			CDD	AVG	26	17	540/573.5 (MCS11)	8.54	8.32	11.44	22.82	-11.38	3.15	14.59	28.82	-14.24
5310	62		CDD	AVG	26	0	540/573.5 (MCS11)	7.93	8.04	11.00	22.82	-11.82	3.15	14.15	28.82	-14.68
			CDD	AVG	26	8	540/573.5 (MCS11)	8.80	8.97	11.90	22.82	-10.92	3.15	15.05	28.82	-13.78
			CDD	AVG	26	17	540/573.5 (MCS11)	8.22	8.55	11.40	22.82	-11.42	3.15	14.55	28.82	-14.28
5510	102		CDD	AVG	26	0	540/573.5 (MCS11)	7.97	8.35	11.17	23.29	-12.12	3.72	14.89	29.29	-14.40
			CDD	AVG	26	8	540/573.5 (MCS11)	8.97	8.99	11.99	23.29	-11.30	3.72	15.71	29.29	-13.58
			CDD	AVG	26	17	540/573.5 (MCS11)	8.39	8.61	11.51	23.29	-11.78	3.72	15.23	29.29	-14.06
5550	110		CDD	AVG	26	0	540/573.5 (MCS11)	7.81	8.36	11.10	23.29	-12.19	3.72	14.82	29.29	-14.47
			CDD	AVG	26	8	540/573.5 (MCS11)	8.97	8.95	11.97	23.29	-11.32	3.72	15.69	29.29	-13.60
			CDD	AVG	26	17	540/573.5 (MCS11)	8.28	8.53	11.42	23.29	-11.87	3.72	15.14	29.29	-14.15
5710	142		CDD	AVG	26	0	540/573.5 (MCS11)	8.37	7.65	11.04	23.29	-12.25	3.72	14.76	29.29	-14.53
			CDD	AVG	26	8	540/573.5 (MCS11)	8.83	9.00	11.93	23.29	-11.36	3.72	15.65	29.29	-13.64
			CDD	AVG	26	17	540/573.5 (MCS11)	8.45	8.32	11.40	23.29	-11.89	3.72	15.12	29.29	-14.17
5755	151		CDD	AVG	26	0	540/573.5 (MCS11)	10.46	9.55	13.04	30.00	-16.96	3.04	16.08	-	-
			CDD	AVG	26	8	540/573.5 (MCS11)	11.00	10.80	13.91	30.00	-16.09	3.04	16.95	-	-
			CDD	AVG	26	17	540/573.5 (MCS11)	10.43	9.97	13.22	30.00	-16.78	3.04	16.26	-	-
5795	159		CDD	AVG	26	0	540/573.5 (MCS11)	10.26	10.41	13.35	30.00	-16.65	3.04	16.39	-	-
			CDD	AVG	26	8	540/573.5 (MCS11)	10.99	11.00	14.01	30.00	-15.99	3.04	17.05	-	-
			CDD	AVG	26	17	540/573.5 (MCS11)	10.44	10.17	13.32	30.00	-16.68	3.04	16.36	-	-

Table 7-72. ISED CDD/SDM Primary 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 87 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
5GHz (80MHz Bandwidth)	5210	42	SDM	AVG	26	0	1134/1201 (MCS11)	6.42	7.01	10.80	-	-	-0.57	10.23	22.62	-12.39
			SDM	AVG	26	18	1134/1201 (MCS11)	7.71	7.75	11.97	-	-	-0.57	11.40	22.62	-11.22
			SDM	AVG	26	36	1134/1201 (MCS11)	7.43	7.57	11.71	-	-	-0.57	11.14	22.62	-11.48
	5290	58	CDD	AVG	26	0	1134/1201 (MCS11)	8.27	7.95	11.12	22.82	-11.70	3.15	14.27	28.82	-14.56
			CDD	AVG	26	18	1134/1201 (MCS11)	8.90	8.84	11.88	22.82	-10.94	3.15	15.03	28.82	-13.80
			CDD	AVG	26	36	1134/1201 (MCS11)	8.43	8.40	11.43	22.82	-11.39	3.15	14.58	28.82	-14.25
	5530	106	CDD	AVG	26	0	1134/1201 (MCS11)	8.28	8.12	11.21	23.29	-12.08	3.72	14.93	29.29	-14.36
			CDD	AVG	26	18	1134/1201 (MCS11)	8.98	8.86	11.93	23.29	-11.36	3.72	15.65	29.29	-13.64
			CDD	AVG	26	36	1134/1201 (MCS11)	8.82	8.17	11.52	23.29	-11.77	3.72	15.24	29.29	-14.05
	5690	138	CDD	AVG	26	0	1134/1201 (MCS11)	8.68	8.32	11.51	23.29	-11.78	3.72	15.23	29.29	-14.06
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	8.90	11.96	23.29	-11.33	3.72	15.68	29.29	-13.61
			CDD	AVG	26	36	1134/1201 (MCS11)	8.81	8.79	11.81	23.29	-11.48	3.72	15.53	29.29	-13.76
5775	155		CDD	AVG	26	0	1134/1201 (MCS11)	10.72	10.13	13.45	30.00	-16.55	3.04	16.49	-	-
			CDD	AVG	26	18	1134/1201 (MCS11)	10.94	10.92	13.94	30.00	-16.06	3.04	16.98	-	-
			CDD	AVG	26	36	1134/1201 (MCS11)	10.55	10.00	13.29	30.00	-16.71	3.04	16.33	-	-

Table 7-73. ISCED CDD/SDM Primary 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 88 of 397

FCC CDD Primary Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
	5180	36	CDD	AVG	106	53	270/286.8 (MCS11)	15.85	15.66	18.77	23.98	-5.21
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	16.00	19.01	23.98	-4.97
	5200	40	CDD	AVG	106	53	270/286.8 (MCS11)	15.73	15.80	18.78	23.98	-5.20
			CDD	AVG	106	54	270/286.8 (MCS11)	15.96	15.97	18.98	23.98	-5.00
	5240	48	CDD	AVG	106	53	270/286.8 (MCS11)	15.91	15.90	18.92	23.98	-5.06
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.98	19.00	23.98	-4.98
	5260	52	CDD	AVG	106	53	270/286.8 (MCS11)	15.75	15.98	18.88	22.82	-3.94
			CDD	AVG	106	54	270/286.8 (MCS11)	15.88	15.94	18.92	22.82	-3.90
	5300	60	CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.76	18.89	22.82	-3.93
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.80	18.91	22.82	-3.91
	5320	64	CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.89	18.96	22.82	-3.86
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	16.00	19.01	22.82	-3.81
	5500	100	CDD	AVG	106	53	270/286.8 (MCS11)	14.90	15.11	18.02	23.29	-5.27
			CDD	AVG	106	54	270/286.8 (MCS11)	15.10	15.25	18.19	23.29	-5.10
	5520	104	CDD	AVG	106	53	270/286.8 (MCS11)	15.80	15.80	18.81	23.29	-4.48
			CDD	AVG	106	54	270/286.8 (MCS11)	15.83	15.85	18.85	23.29	-4.44
	5580	116	CDD	AVG	106	53	270/286.8 (MCS11)	15.70	16.00	18.86	23.29	-4.43
			CDD	AVG	106	54	270/286.8 (MCS11)	15.90	16.00	18.96	23.29	-4.33
	5680	136	CDD	AVG	106	53	270/286.8 (MCS11)	15.95	15.73	18.85	23.29	-4.44
			CDD	AVG	106	54	270/286.8 (MCS11)	15.94	16.00	18.98	23.29	-4.31
	5700	140	CDD	AVG	106	53	270/286.8 (MCS11)	13.00	12.65	15.84	23.29	-7.45
			CDD	AVG	106	54	270/286.8 (MCS11)	12.80	13.00	15.91	23.29	-7.38
	5720	144	CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.71	18.87	23.29	-4.42
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	16.00	19.01	23.29	-4.28
	5745	149	CDD	AVG	106	53	270/286.8 (MCS11)	16.99	16.93	19.97	30.00	-10.03
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	17.00	20.01	30.00	-9.99
	5785	157	CDD	AVG	106	53	270/286.8 (MCS11)	17.00	17.00	20.01	30.00	-9.99
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	16.97	20.00	30.00	-10.00
	5825	165	CDD	AVG	106	53	270/286.8 (MCS11)	16.88	17.00	19.95	30.00	-10.05
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	16.49	19.76	30.00	-10.24

Table 7-74. FCC CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 89 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
	5190	38	CDD	AVG	242	61	540/573.5 (MCS11)	13.56	13.81	16.70	23.98	-7.28
			CDD	AVG	242	62	540/573.5 (MCS11)	13.67	13.99	16.84	23.98	-7.14
	5230	46	CDD	AVG	242	61	540/573.5 (MCS11)	15.54	15.83	18.70	23.98	-5.28
			CDD	AVG	242	62	540/573.5 (MCS11)	15.71	15.99	18.86	23.98	-5.12
	5270	54	CDD	AVG	242	61	540/573.5 (MCS11)	15.59	15.63	18.62	22.82	-4.20
			CDD	AVG	242	62	540/573.5 (MCS11)	15.98	15.84	18.92	22.82	-3.90
	5310	62	CDD	AVG	242	61	540/573.5 (MCS11)	13.22	13.17	16.21	22.82	-6.61
			CDD	AVG	242	62	540/573.5 (MCS11)	13.49	13.33	16.42	22.82	-6.40
	5510	102	CDD	AVG	242	61	540/573.5 (MCS11)	12.25	12.10	15.19	23.29	-8.10
			CDD	AVG	242	62	540/573.5 (MCS11)	12.26	12.47	15.38	23.29	-7.91
	5550	110	CDD	AVG	242	61	540/573.5 (MCS11)	15.91	15.42	18.68	23.29	-4.61
			CDD	AVG	242	62	540/573.5 (MCS11)	15.94	15.69	18.83	23.29	-4.46
	5590	118	CDD	AVG	242	61	540/573.5 (MCS11)	15.78	15.61	18.71	23.29	-4.58
			CDD	AVG	242	62	540/573.5 (MCS11)	15.93	15.82	18.89	23.29	-4.40
	5630	126	CDD	AVG	242	61	540/573.5 (MCS11)	15.69	15.73	18.72	23.29	-4.57
			CDD	AVG	242	62	540/573.5 (MCS11)	15.89	15.81	18.86	23.29	-4.43
	5670	134	CDD	AVG	242	61	540/573.5 (MCS11)	15.43	15.39	18.42	23.29	-4.87
			CDD	AVG	242	62	540/573.5 (MCS11)	15.41	15.49	18.46	23.29	-4.83
	5710	142	CDD	AVG	106	53	540/573.5 (MCS11)	15.31	15.19	18.26	23.29	-5.03
			CDD	AVG	106	54	540/573.5 (MCS11)	15.74	15.99	18.88	23.29	-4.41
			CDD	AVG	106	56	540/573.5 (MCS11)	15.27	15.61	18.45	23.29	-4.84
	5755	151	CDD	AVG	242	61	540/573.5 (MCS11)	19.72	19.78	22.76	30.00	-7.24
			CDD	AVG	242	62	540/573.5 (MCS11)	19.83	19.96	22.91	30.00	-7.09
	5795	159	CDD	AVG	242	61	540/573.5 (MCS11)	19.88	19.91	22.91	30.00	-7.09
			CDD	AVG	242	62	540/573.5 (MCS11)	19.83	19.98	22.92	30.00	-7.08

Table 7-75. FCC CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
	5210	42	CDD	AVG	484	65	1134/1201 (MCS11)	12.86	13.00	15.94	23.98	-8.04
			CDD	AVG	484	66	1134/1201 (MCS11)	13.50	13.50	16.51	23.98	-7.47
	5290	58	CDD	AVG	484	65	1134/1201 (MCS11)	12.30	12.20	15.26	22.82	-7.56
			CDD	AVG	484	66	1134/1201 (MCS11)	12.35	12.50	15.44	22.82	-7.38
	5530	106	CDD	AVG	484	65	1134/1201 (MCS11)	12.05	12.18	15.13	23.29	-8.16
			CDD	AVG	484	66	1134/1201 (MCS11)	12.48	12.25	15.38	23.29	-7.91
	5610	122	CDD	AVG	484	65	1134/1201 (MCS11)	16.00	16.12	19.07	23.29	-4.22
			CDD	AVG	484	66	1134/1201 (MCS11)	16.40	16.40	19.41	23.29	-3.88
	5690	138	CDD	AVG	106	65	1134/1201 (MCS11)	15.58	15.41	18.51	23.29	-4.78
			CDD	AVG	106	65	1134/1201 (MCS11)	15.92	15.95	18.95	23.29	-4.34
			CDD	AVG	106	65	1134/1201 (MCS11)	15.68	15.72	18.71	23.29	-4.58
	5775	155	CDD	AVG	484	65	1134/1201 (MCS11)	16.91	16.97	19.95	30.00	-10.05
			CDD	AVG	484	66	1134/1201 (MCS11)	16.80	17.00	19.91	30.00	-10.09

Table 7-76. FCC CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 90 of 397

ISED CDD/SDM Primary Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
5180	36		SDM	AVG	106	53	270/286.8 (MCS11)	13.34	13.40	16.38	-	-	-0.57	15.81	22.62	-6.81
			SDM	AVG	106	54	270/286.8 (MCS11)	13.61	13.75	16.69	-	-	-0.57	16.12	22.62	-6.50
5200	40		SDM	AVG	106	53	270/286.8 (MCS11)	13.54	13.46	16.51	-	-	-0.57	15.94	22.62	-6.68
			SDM	AVG	106	54	270/286.8 (MCS11)	13.69	13.59	16.65	-	-	-0.57	16.08	22.62	-6.54
5240	48		SDM	AVG	106	53	270/286.8 (MCS11)	13.65	13.61	16.64	-	-	-0.57	16.07	22.62	-6.55
			SDM	AVG	106	54	270/286.8 (MCS11)	13.74	13.69	16.73	-	-	-0.57	16.16	22.62	-6.46
5260	52		CDD	AVG	106	53	270/286.8 (MCS11)	15.75	15.98	18.88	22.82	-3.94	3.15	22.03	28.82	-6.80
			CDD	AVG	106	54	270/286.8 (MCS11)	15.88	15.94	18.92	22.82	-3.90	3.15	22.07	28.82	-6.76
5300	60		CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.76	18.89	22.82	-3.93	3.15	22.04	28.82	-6.79
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.80	18.91	22.82	-3.91	3.15	22.06	28.82	-6.77
5320	64		CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.89	18.96	22.82	-3.86	3.15	22.11	28.82	-6.72
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	16.00	19.01	22.82	-3.81	3.15	22.16	28.82	-6.67
5500	100		CDD	AVG	106	53	270/286.8 (MCS11)	14.90	15.11	18.02	23.29	-5.27	3.72	21.74	29.29	-7.55
			CDD	AVG	106	54	270/286.8 (MCS11)	15.10	15.25	18.19	23.29	-5.10	3.72	21.91	29.29	-7.38
5520	104		CDD	AVG	106	53	270/286.8 (MCS11)	15.80	15.80	18.81	23.29	-4.48	3.72	22.53	29.29	-6.76
			CDD	AVG	106	54	270/286.8 (MCS11)	15.83	15.85	18.85	23.29	-4.44	3.72	22.57	29.29	-6.72
5580	116		CDD	AVG	106	53	270/286.8 (MCS11)	15.70	16.00	18.86	23.29	-4.43	3.72	22.58	29.29	-6.71
			CDD	AVG	106	54	270/286.8 (MCS11)	15.90	16.00	18.96	23.29	-4.33	3.72	22.68	29.29	-6.61
5680	136		CDD	AVG	106	53	270/286.8 (MCS11)	15.95	15.73	18.85	23.29	-4.44	3.72	22.57	29.29	-6.72
			CDD	AVG	106	54	270/286.8 (MCS11)	15.94	16.00	18.98	23.29	-4.31	3.72	22.70	29.29	-6.59
5700	140		CDD	AVG	106	53	270/286.8 (MCS11)	13.00	12.65	15.84	23.29	-7.45	3.72	19.56	29.29	-9.73
			CDD	AVG	106	54	270/286.8 (MCS11)	12.80	13.00	15.91	23.29	-7.38	3.72	19.63	29.29	-9.66
5720	144		CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.71	18.87	23.29	-4.42	3.72	22.59	29.29	-6.70
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	16.00	19.01	23.29	-4.28	3.72	22.73	29.29	-6.56
5745	149		CDD	AVG	106	53	270/286.8 (MCS11)	16.99	16.93	19.97	30.00	-10.03	3.04	23.01	-	-
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	17.00	20.01	30.00	-9.99	3.04	23.05	-	-
5785	157		CDD	AVG	106	53	270/286.8 (MCS11)	17.00	17.00	20.01	30.00	-9.99	3.04	23.05	-	-
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	16.97	20.00	30.00	-10.00	3.04	23.04	-	-
5825	165		CDD	AVG	106	53	270/286.8 (MCS11)	16.88	17.00	19.95	30.00	-10.05	3.04	22.99	-	-
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	16.49	19.76	30.00	-10.24	3.04	22.80	-	-

Table 7-77. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
5190	38		CDD	AVG	242	61	540/573.5 (MCS11)	13.56	13.73	16.70	-	-	2.42	19.12	22.62	-3.50
			CDD	AVG	242	62	540/573.5 (MCS11)	13.67	13.74	16.84	-	-	2.42	19.26	22.62	-3.36
5230	46		SDM	AVG	242	61	540/573.5 (MCS11)	13.39	13.23	16.32	-	-	-0.57	15.75	22.62	-6.87
			SDM	AVG	242	62	540/573.5 (MCS11)	13.75	13.57	16.67	-	-	-0.57	16.10	22.62	-6.52
5270	54		CDD	AVG	242	61	540/573.5 (MCS11)	15.59	15.63	18.62	22.82	-4.20	3.15	21.77	28.82	-7.06
			CDD	AVG	242	62	540/573.5 (MCS11)	15.98	15.84	18.92	22.82	-3.90	3.15	22.07	28.82	-6.76
5310	62		CDD	AVG	242	61	540/573.5 (MCS11)	13.22	13.17	16.21	22.82	-6.61	3.15	19.36	28.82	-9.47
			CDD	AVG	242	62	540/573.5 (MCS11)	13.49	13.33	16.42	22.82	-6.40	3.15	19.57	28.82	-9.26
5510	102		CDD	AVG	242	61	540/573.5 (MCS11)	12.25	12.10	15.19	23.29	-8.10	3.72	18.91	29.29	-10.38
			CDD	AVG	242	62	540/573.5 (MCS11)	12.26	12.47	15.38	23.29	-7.91	3.72	19.10	29.29	-10.19
5550	110		CDD	AVG	242	61	540/573.5 (MCS11)	15.91	15.42	18.68	23.29	-4.61	3.72	22.40	29.29	-6.89
			CDD	AVG	242	62	540/573.5 (MCS11)	15.94	15.69	18.83	23.29	-4.46	3.72	22.55	29.29	-6.74
5670	134		CDD	AVG	242	61	540/573.5 (MCS11)	15.43	15.39	18.42	23.29	-4.87	3.72	22.14	29.29	-7.15
			CDD	AVG	242	62	540/573.5 (MCS11)	15.41	15.49	18.46	23.29	-4.83	3.72	22.18	29.29	-7.11
5710	142		CDD	AVG	106	53	540/573.5 (MCS11)	15.31	15.19	18.26	23.29	-5.03	3.72	21.98	29.29	-7.31
			CDD	AVG	106	54	540/573.5 (MCS11)	15.74	15.99	18.88	23.29	-4.41	3.72	22.60	29.29	-6.69
5755	151		CDD	AVG	106	56	540/573.5 (MCS11)	15.27	15.61	18.45	23.29	-4.84	3.72	22.17	29.29	-7.12
			CDD	AVG	242	61	540/573.5 (MCS11)	19.72	19.78	22.76	30.00	-7.24	3.04	25.80	-	-
5795	159		CDD	AVG	242	62	540/573.5 (MCS11)	19.83	19.96	22.91	30.00	-7.09	3.04	25.95	-	-
			CDD	AVG	242	61	540/573.5 (MCS11)	19.88	19.91	22.91	30.00	-7.09	3.04	25.95	-	-
			CDD	AVG	242	62	540/573.5 (MCS11)	19.83	19.98	22.92	30.00	-7.08	3.04	25.96	-	-

Table 7-78. ISED CDD/SDM Primary 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
	5210	42	CDD	AVG	484	65	1134/1201 (MCS11)	12.86	13.00	15.94	-	-	2.42	18.36	22.62	-4.26
			CDD	AVG	484	66	1134/1201 (MCS11)	13.50	13.50	16.51	-	-	2.42	18.93	22.62	-3.69
	5290	58	CDD	AVG	484	65	1134/1201 (MCS11)	12.30	12.20	15.26	22.82	-7.56	3.15	18.41	28.82	-10.42
			CDD	AVG	484	66	1134/1201 (MCS11)	12.35	12.50	15.44	22.82	-7.38	3.15	18.59	28.82	-10.24
	5530	106	CDD	AVG	484	65	1134/1201 (MCS11)	12.05	12.18	15.13	23.29	-8.16	3.72	18.85	29.29	-10.44
			CDD	AVG	484	66	1134/1201 (MCS11)	12.48	12.25	15.38	23.29	-7.91	3.72	19.10	29.29	-10.19
	5690	138	CDD	AVG	106	65	1134/1201 (MCS11)	15.58	15.41	18.51	23.29	-4.78	3.72	22.23	29.29	-7.06
			CDD	AVG	106	65	1134/1201 (MCS11)	15.92	15.95	18.95	23.29	-4.34	3.72	22.67	29.29	-6.62
5775	155	CDD	AVG	106	65	1134/1201 (MCS11)	15.68	15.72	18.71	23.29	-4.58	3.72	22.43	29.29	-6.86	
		CDD	AVG	484	65	1134/1201 (MCS11)	16.91	16.97	19.95	30.00	-10.05	3.04	22.99	-	-	
		CDD	AVG	484	66	1134/1201 (MCS11)	16.80	17.00	19.91	30.00	-10.09	3.04	22.95	-	-	

FCC CDD Primary Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
	5180	36	CDD	AVG	242	61	270/286.8 (MCS11)	15.77	15.84	18.82	23.98	-5.16
	5200	40	CDD	AVG	242	61	270/286.8 (MCS11)	15.93	15.81	18.88	23.98	-5.10
	5240	48	CDD	AVG	242	61	270/286.8 (MCS11)	15.78	15.83	18.82	23.98	-5.16
	5260	52	CDD	AVG	242	61	270/286.8 (MCS11)	15.94	15.77	18.87	22.82	-3.95
	5300	60	CDD	AVG	242	61	270/286.8 (MCS11)	15.86	15.82	18.85	22.82	-3.97
	5320	64	CDD	AVG	242	61	270/286.8 (MCS11)	15.78	15.90	18.85	22.82	-3.97
	5500	100	CDD	AVG	242	61	270/286.8 (MCS11)	15.11	15.07	18.10	23.29	-5.19
	5520	104	CDD	AVG	242	61	270/286.8 (MCS11)	15.91	15.87	18.90	23.29	-4.39
	5580	116	CDD	AVG	242	61	270/286.8 (MCS11)	15.81	15.88	18.86	23.29	-4.43
	5680	136	CDD	AVG	242	61	270/286.8 (MCS11)	15.96	15.91	18.95	23.29	-4.34
	5700	140	CDD	AVG	242	61	270/286.8 (MCS11)	12.91	12.86	15.90	23.29	-7.39
	5720	144	CDD	AVG	242	61	270/286.8 (MCS11)	15.83	15.72	18.79	23.29	-4.50
	5745	149	CDD	AVG	242	61	270/286.8 (MCS11)	19.99	19.79	22.90	30.00	-7.10
	5785	157	CDD	AVG	242	61	270/286.8 (MCS11)	19.78	19.77	22.79	30.00	-7.21
	5825	165	CDD	AVG	242	61	270/286.8 (MCS11)	19.99	19.86	22.94	30.00	-7.06

Table 7-80. FCC CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
	5190	38	CDD	AVG	484	65	540/573.5 (MCS11)	13.75	13.63	16.70	23.98	-7.28
	5230	46	CDD	AVG	484	65	540/573.5 (MCS11)	19.40	19.32	22.41	23.98	-1.57
	5270	54	CDD	AVG	484	65	540/573.5 (MCS11)	19.33	19.41	22.38	22.82	-0.44
	5310	62	CDD	AVG	484	65	540/573.5 (MCS11)	13.50	13.40	16.46	22.82	-6.36
	5510	102	CDD	AVG	484	65	540/573.5 (MCS11)	12.46	12.37	15.43	23.29	-7.86
	5550	110	CDD	AVG	484	65	540/573.5 (MCS11)	18.50	18.48	21.50	23.29	-1.79
	5590	118	CDD	AVG	484	65	540/573.5 (MCS11)	19.45	19.38	22.43	23.29	-0.86
	5630	126	CDD	AVG	484	65	540/573.5 (MCS11)	19.47	19.40	22.45	23.29	-0.84
	5670	134	CDD	AVG	484	65	540/573.5 (MCS11)	15.31	15.47	18.40	23.29	-4.89
	5710	142	CDD	AVG	484	65	540/573.5 (MCS11)	19.50	19.43	22.48	23.29	-0.81
	5755	151	CDD	AVG	484	65	540/573.5 (MCS11)	19.90	19.87	22.90	30.00	-7.10
	5795	159	CDD	AVG	484	65	540/573.5 (MCS11)	19.85	20.00	22.94	30.00	-7.06

Table 7-81. FCC CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 1b	Summed		
	5210	42	CDD	AVG	996	67	1134/1201 (MCS11)	13.21	13.42	16.33	23.98	-7.65
	5290	58	CDD	AVG	996	67	1134/1201 (MCS11)	12.40	12.47	15.45	22.82	-7.37
	5530	106	CDD	AVG	996	67	1134/1201 (MCS11)	12.50	12.36	15.44	23.29	-7.85
	5610	122	CDD	AVG	996	67	1134/1201 (MCS11)	16.49	16.44	19.48	23.29	-3.81
	5690	138	CDD	AVG	996	67	1134/1201 (MCS11)	19.96	20.00	22.99	23.29	-0.30
	5775	155	CDD	AVG	996	67	1134/1201 (MCS11)	16.99	16.80	19.91	30.00	-10.09

Table 7-82. FCC CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 92 of 397

ISED CDD/SDM Primary Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
	5180	36	SDM	AVG	242	61	270/286.8 (MCS11)	13.65	13.56	16.62	-	-	-0.57	16.05	22.62	-6.57
	5200	40	SDM	AVG	242	61	270/286.8 (MCS11)	13.63	13.75	16.70	-	-	-0.57	16.13	22.62	-6.49
	5240	48	SDM	AVG	242	61	270/286.8 (MCS11)	13.74	13.67	16.72	-	-	-0.57	16.15	22.62	-6.47
	5260	52	CDD	AVG	242	61	270/286.8 (MCS11)	15.94	15.77	18.87	22.82	-3.95	3.15	22.02	28.82	-6.81
	5300	60	CDD	AVG	242	61	270/286.8 (MCS11)	15.86	15.82	18.85	22.82	-3.97	3.15	22.00	28.82	-6.83
	5320	64	CDD	AVG	242	61	270/286.8 (MCS11)	15.78	15.90	18.85	22.82	-3.97	3.15	22.00	28.82	-6.83
	5500	100	CDD	AVG	242	61	270/286.8 (MCS11)	15.11	15.07	18.10	23.29	-5.19	3.72	21.82	29.29	-7.47
	5520	104	CDD	AVG	242	61	270/286.8 (MCS11)	15.91	15.87	18.90	23.29	-4.39	3.72	22.62	29.29	-6.67
	5540	108	CDD	AVG	242	61	270/286.8 (MCS11)	15.89	15.77	18.84	23.29	-4.45	3.72	22.56	29.29	-6.73
	5580	116	CDD	AVG	242	61	270/286.8 (MCS11)	15.81	15.88	18.86	23.29	-4.43	3.72	22.58	29.29	-6.71
	5660	132	CDD	AVG	242	61	270/286.8 (MCS11)	15.92	15.98	18.96	23.29	-4.33	3.72	22.68	29.29	-6.61
	5680	136	CDD	AVG	242	61	270/286.8 (MCS11)	15.96	15.91	18.95	23.29	-4.34	3.72	22.67	29.29	-6.62
	5700	140	CDD	AVG	242	61	270/286.8 (MCS11)	12.91	12.86	15.90	23.29	-7.39	3.72	19.62	29.29	-9.67
	5720	144	CDD	AVG	242	61	270/286.8 (MCS11)	15.83	15.72	18.79	23.29	-4.50	3.72	22.51	29.29	-6.78
	5745	149	CDD	AVG	242	61	270/286.8 (MCS11)	19.99	19.79	22.90	30.00	-7.10	3.04	25.94	-	-
	5785	157	CDD	AVG	242	61	270/286.8 (MCS11)	19.78	19.77	22.79	30.00	-7.21	3.04	25.83	-	-
	5825	165	CDD	AVG	242	61	270/286.8 (MCS11)	19.99	19.86	22.94	30.00	-7.06	3.04	25.98	-	-

Table 7-83. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
	5190	38	CDD	AVG	484	65	540/573.5 (MCS11)	13.75	13.63	16.70	-	-	2.42	19.12	22.62	-3.50
	5230	46	SDM	AVG	484	65	540/573.5 (MCS11)	18.18	18.10	21.15	-	-	-0.57	20.58	22.62	-2.04
	5270	54	CDD	AVG	484	65	540/573.5 (MCS11)	19.33	19.41	22.38	22.82	-0.44	3.15	25.53	28.82	-3.30
	5310	62	CDD	AVG	484	65	540/573.5 (MCS11)	13.50	13.40	16.46	22.82	-6.36	3.15	19.61	28.82	-9.22
	5510	102	CDD	AVG	484	65	540/573.5 (MCS11)	12.46	12.37	15.43	23.29	-7.86	3.72	19.15	29.29	-10.14
	5550	110	CDD	AVG	484	65	540/573.5 (MCS11)	18.50	18.48	21.50	23.29	-1.79	3.72	25.22	29.29	-4.07
	5670	134	CDD	AVG	484	65	540/573.5 (MCS11)	15.31	15.47	18.40	23.29	-4.89	3.72	22.12	29.29	-7.17
	5710	142	CDD	AVG	484	65	540/573.5 (MCS11)	19.50	19.43	22.48	23.29	-0.81	3.72	26.20	29.29	-3.09
	5755	151	CDD	AVG	484	65	540/573.5 (MCS11)	19.90	19.87	22.90	30.00	-7.10	3.04	25.94	-	-
	5795	159	CDD	AVG	484	65	540/573.5 (MCS11)	19.85	20.00	22.94	30.00	-7.06	3.04	25.98	-	-

Table 7-84. ISED CDD/SDM Primary 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 1b	Summed						
	5210	42	CDD	AVG	996	67	1134/1201 (MCS11)	13.21	13.42	16.33	-	-	2.42	18.75	22.62	-3.87
	5290	58	CDD	AVG	996	67	1134/1201 (MCS11)	12.40	12.47	15.45	22.82	-7.37	3.15	18.60	28.82	-10.23
	5530	106	CDD	AVG	996	67	1134/1201 (MCS11)	12.50	12.36	15.44	23.29	-7.85	3.72	19.16	29.29	-10.13
	5690	138	CDD	AVG	996	67	1134/1201 (MCS11)	19.96	20.00	22.99	23.29	-0.30	3.72	26.71	29.29	-2.58
	5775	155	CDD	AVG	996	67	1134/1201 (MCS11)	16.99	16.80	19.91	30.00	-10.09	3.04	22.95	-	-

Table 7-85. ISED CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 93 of 397

FCC CDD Diversity Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
5180	36		CDD	AVG	26	0	270/286.8 (MCS11)	8.34	8.45	11.41	23.98	-12.57
			CDD	AVG	26	4	270/286.8 (MCS11)	9.00	8.91	11.97	23.98	-12.01
			CDD	AVG	26	8	270/286.8 (MCS11)	8.43	8.59	11.52	23.98	-12.46
5200	40		CDD	AVG	26	0	270/286.8 (MCS11)	8.55	8.45	11.51	23.98	-12.47
			CDD	AVG	26	4	270/286.8 (MCS11)	9.00	9.00	12.01	23.98	-11.97
			CDD	AVG	26	8	270/286.8 (MCS11)	8.75	8.83	11.80	23.98	-12.18
5240	48		CDD	AVG	26	0	270/286.8 (MCS11)	8.20	8.43	11.33	23.98	-12.65
			CDD	AVG	26	4	270/286.8 (MCS11)	8.99	9.00	12.01	23.98	-11.97
			CDD	AVG	26	8	270/286.8 (MCS11)	8.35	8.35	11.36	23.98	-12.62
5260	52		CDD	AVG	26	0	270/286.8 (MCS11)	8.55	8.34	11.46	22.82	-11.37
			CDD	AVG	26	4	270/286.8 (MCS11)	8.96	8.98	11.98	22.82	-10.84
			CDD	AVG	26	8	270/286.8 (MCS11)	8.55	8.43	11.50	22.82	-11.32
5300	60		CDD	AVG	26	0	270/286.8 (MCS11)	8.38	8.47	11.44	22.82	-11.39
			CDD	AVG	26	4	270/286.8 (MCS11)	8.89	9.00	11.96	22.82	-10.87
			CDD	AVG	26	8	270/286.8 (MCS11)	8.44	8.58	11.52	22.82	-11.30
5320	64		CDD	AVG	26	0	270/286.8 (MCS11)	8.39	8.45	11.43	22.82	-11.39
			CDD	AVG	26	4	270/286.8 (MCS11)	8.95	9.00	11.99	22.82	-10.84
			CDD	AVG	26	8	270/286.8 (MCS11)	8.41	8.45	11.44	22.82	-11.38
5500	100		CDD	AVG	26	0	270/286.8 (MCS11)	8.40	8.44	11.43	23.29	-11.86
			CDD	AVG	26	4	270/286.8 (MCS11)	9.05	8.91	11.99	23.29	-11.30
			CDD	AVG	26	8	270/286.8 (MCS11)	8.80	8.30	11.57	23.29	-11.72
5580	116		CDD	AVG	26	0	270/286.8 (MCS11)	8.10	8.66	11.40	23.29	-11.89
			CDD	AVG	26	4	270/286.8 (MCS11)	8.87	9.00	11.95	23.29	-11.35
			CDD	AVG	26	8	270/286.8 (MCS11)	8.55	8.41	11.49	23.29	-11.80
5720	144		CDD	AVG	26	0	270/286.8 (MCS11)	8.85	8.30	11.59	23.29	-11.70
			CDD	AVG	26	4	270/286.8 (MCS11)	8.96	9.00	11.99	23.29	-11.30
			CDD	AVG	26	8	270/286.8 (MCS11)	8.36	8.60	11.49	23.29	-11.80
5745	149		CDD	AVG	26	0	270/286.8 (MCS11)	10.36	10.64	13.51	30.00	-16.49
			CDD	AVG	26	4	270/286.8 (MCS11)	10.98	10.88	13.94	30.00	-16.06
			CDD	AVG	26	8	270/286.8 (MCS11)	10.45	10.55	13.51	30.00	-16.49
5785	157		CDD	AVG	26	0	270/286.8 (MCS11)	10.70	10.65	13.69	30.00	-16.31
			CDD	AVG	26	4	270/286.8 (MCS11)	10.99	10.88	13.95	30.00	-16.05
			CDD	AVG	26	8	270/286.8 (MCS11)	10.48	10.65	13.58	30.00	-16.42
5825	165		CDD	AVG	26	0	270/286.8 (MCS11)	10.73	10.66	13.71	30.00	-16.29
			CDD	AVG	26	4	270/286.8 (MCS11)	10.85	10.89	13.88	30.00	-16.12
			CDD	AVG	26	8	270/286.8 (MCS11)	10.69	10.55	13.63	30.00	-16.37

Table 7-86. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 94 of 397

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
5190	38	CDD	AVG	26	0	540/573.5 (MCS11)	7.68	7.48	10.59	23.98	-13.39	
		CDD	AVG	26	8	540/573.5 (MCS11)	8.98	8.81	11.91	23.98	-12.07	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.36	8.06	11.22	23.98	-12.76	
5230	46	CDD	AVG	26	0	540/573.5 (MCS11)	7.97	7.89	10.94	23.98	-13.04	
		CDD	AVG	26	8	540/573.5 (MCS11)	8.94	8.87	11.92	23.98	-12.06	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.27	8.22	11.26	23.98	-12.72	
5270	54	CDD	AVG	26	0	540/573.5 (MCS11)	8.17	8.16	11.18	22.82	-11.65	
		CDD	AVG	26	8	540/573.5 (MCS11)	8.95	8.86	11.92	22.82	-10.91	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.24	8.41	11.34	22.82	-11.49	
5310	62	CDD	AVG	26	0	540/573.5 (MCS11)	8.26	8.30	11.29	22.82	-11.53	
		CDD	AVG	26	8	540/573.5 (MCS11)	8.91	8.83	11.88	22.82	-10.94	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.30	8.46	11.39	22.82	-11.43	
5510	102	CDD	AVG	26	0	540/573.5 (MCS11)	7.93	7.94	10.95	23.29	-12.35	
		CDD	AVG	26	8	540/573.5 (MCS11)	8.92	8.91	11.93	23.29	-11.37	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.22	8.11	11.18	23.29	-12.12	
5550	110	CDD	AVG	26	0	540/573.5 (MCS11)	8.08	8.20	11.15	23.29	-12.14	
		CDD	AVG	26	8	540/573.5 (MCS11)	9.00	8.94	11.98	23.29	-11.31	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.29	8.34	11.33	23.29	-11.97	
5710	142	CDD	AVG	26	0	540/573.5 (MCS11)	8.53	7.99	11.28	23.29	-12.01	
		CDD	AVG	26	8	540/573.5 (MCS11)	8.95	9.00	11.99	23.29	-11.31	
		CDD	AVG	26	17	540/573.5 (MCS11)	8.20	8.40	11.31	23.29	-11.98	
5755	151	CDD	AVG	26	0	540/573.5 (MCS11)	10.30	9.80	13.07	30.00	-16.93	
		CDD	AVG	26	8	540/573.5 (MCS11)	10.97	11.00	14.00	30.00	-16.00	
		CDD	AVG	26	17	540/573.5 (MCS11)	10.25	10.26	13.27	30.00	-16.73	
5795	159	CDD	AVG	26	0	540/573.5 (MCS11)	10.00	9.87	12.95	30.00	-17.05	
		CDD	AVG	26	8	540/573.5 (MCS11)	10.92	10.80	13.87	30.00	-16.13	
		CDD	AVG	26	17	540/573.5 (MCS11)	10.20	10.12	13.17	30.00	-16.83	

Table 7-87. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5210	42	CDD	AVG	26	0	1134/1201 (MCS11)	7.79	8.08	10.95	23.98	-13.03
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	8.85	11.94	23.98	-12.04
			CDD	AVG	26	36	1134/1201 (MCS11)	8.71	8.66	11.70	23.98	-12.28
	5290	58	CDD	AVG	26	0	1134/1201 (MCS11)	8.18	8.08	11.14	22.82	-11.68
			CDD	AVG	26	18	1134/1201 (MCS11)	8.95	9.00	11.99	22.82	-10.84
			CDD	AVG	26	36	1134/1201 (MCS11)	8.33	8.78	11.57	22.82	-11.25
	5530	106	CDD	AVG	26	0	1134/1201 (MCS11)	8.45	8.15	11.31	23.29	-11.98
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	9.00	12.01	23.29	-11.28
			CDD	AVG	26	36	1134/1201 (MCS11)	8.84	8.03	11.46	23.29	-11.83
	5610	122	CDD	AVG	26	0	1134/1201 (MCS11)	8.35	8.33	11.35	23.29	-11.94
			CDD	AVG	26	18	1134/1201 (MCS11)	9.05	8.90	11.99	23.29	-11.31
			CDD	AVG	26	36	1134/1201 (MCS11)	8.77	8.36	11.58	23.29	-11.71
	5690	138	CDD	AVG	26	0	1134/1201 (MCS11)	8.60	8.15	11.39	23.29	-11.90
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	8.82	11.92	23.29	-11.37
			CDD	AVG	26	36	1134/1201 (MCS11)	8.49	8.60	11.56	23.29	-11.74
	5775	155	CDD	AVG	26	0	1134/1201 (MCS11)	10.66	10.12	13.41	30.00	-16.59
			CDD	AVG	26	18	1134/1201 (MCS11)	11.00	10.97	14.00	30.00	-16.00
			CDD	AVG	26	36	1134/1201 (MCS11)	10.47	10.08	13.29	30.00	-16.71

Table 7-88. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 95 of 397

ISED CDD/SDM Diversity Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
5180	36		SDM	AVG	26	0	270/286.8 (MCS11)	6.78	6.71	9.76	-	-	0.20	9.96	22.62	-12.66
			SDM	AVG	26	4	270/286.8 (MCS11)	7.53	7.37	10.46	-	-	0.20	10.66	22.62	-11.96
			SDM	AVG	26	8	270/286.8 (MCS11)	7.30	6.83	10.08	-	-	0.20	10.28	22.62	-12.34
5200	40		SDM	AVG	26	0	270/286.8 (MCS11)	6.84	6.91	9.89	-	-	0.20	10.09	22.62	-12.53
			SDM	AVG	26	4	270/286.8 (MCS11)	7.50	7.50	10.51	-	-	0.20	10.71	22.62	-11.91
			SDM	AVG	26	8	270/286.8 (MCS11)	7.07	6.94	10.02	-	-	0.20	10.22	22.62	-12.40
5240	48		SDM	AVG	26	0	270/286.8 (MCS11)	7.14	6.96	10.06	-	-	0.20	10.26	22.62	-12.36
			SDM	AVG	26	4	270/286.8 (MCS11)	7.73	7.63	10.69	-	-	0.20	10.89	22.62	-11.73
			SDM	AVG	26	8	270/286.8 (MCS11)	7.50	7.00	10.27	-	-	0.20	10.47	22.62	-12.15
5260	52		CDD	AVG	26	0	270/286.8 (MCS11)	8.55	8.34	11.46	22.82	-11.37	3.81	15.27	28.82	-13.56
			CDD	AVG	26	4	270/286.8 (MCS11)	8.96	8.98	11.98	22.82	-10.84	3.81	15.79	28.82	-13.03
			CDD	AVG	26	8	270/286.8 (MCS11)	8.55	8.43	11.50	22.82	-11.32	3.81	15.31	28.82	-13.51
5300	60		CDD	AVG	26	0	270/286.8 (MCS11)	8.38	8.47	11.44	22.82	-11.39	3.81	15.25	28.82	-13.58
			CDD	AVG	26	4	270/286.8 (MCS11)	8.89	9.00	11.96	22.82	-10.87	3.81	15.77	28.82	-13.06
			CDD	AVG	26	8	270/286.8 (MCS11)	8.44	8.58	11.52	22.82	-11.30	3.81	15.33	28.82	-13.49
5320	64		CDD	AVG	26	0	270/286.8 (MCS11)	8.39	8.45	11.43	22.82	-11.39	3.81	15.24	28.82	-13.58
			CDD	AVG	26	4	270/286.8 (MCS11)	8.95	9.00	11.99	22.82	-10.84	3.81	15.80	28.82	-13.03
			CDD	AVG	26	8	270/286.8 (MCS11)	8.41	8.45	11.44	22.82	-11.38	3.81	15.25	28.82	-13.57
5500	100		CDD	AVG	26	0	270/286.8 (MCS11)	8.40	8.44	11.43	23.29	-11.86	3.77	15.20	29.29	-14.09
			CDD	AVG	26	4	270/286.8 (MCS11)	9.05	8.91	11.99	23.29	-11.30	3.77	15.76	29.29	-13.53
			CDD	AVG	26	8	270/286.8 (MCS11)	8.80	8.30	11.57	23.29	-11.72	3.77	15.34	29.29	-13.95
5580	116		CDD	AVG	26	0	270/286.8 (MCS11)	8.10	8.66	11.40	23.29	-11.89	3.77	15.17	29.29	-14.12
			CDD	AVG	26	4	270/286.8 (MCS11)	8.87	9.00	11.95	23.29	-11.35	3.77	15.72	29.29	-13.57
			CDD	AVG	26	8	270/286.8 (MCS11)	8.55	8.41	11.49	23.29	-11.80	3.77	15.26	29.29	-14.03
5720	144		CDD	AVG	26	0	270/286.8 (MCS11)	8.85	8.30	11.59	23.29	-11.70	3.77	15.37	29.29	-13.93
			CDD	AVG	26	4	270/286.8 (MCS11)	8.96	9.00	11.99	23.29	-11.30	3.77	15.76	29.29	-13.53
			CDD	AVG	26	8	270/286.8 (MCS11)	8.36	8.60	11.49	23.29	-11.80	3.77	15.26	29.29	-14.03
5745	149		CDD	AVG	26	0	270/286.8 (MCS11)	10.36	10.64	13.51	30.00	-16.49	2.98	16.49	-	-
			CDD	AVG	26	4	270/286.8 (MCS11)	10.98	10.88	13.94	30.00	-16.06	2.98	16.92	-	-
			CDD	AVG	26	8	270/286.8 (MCS11)	10.45	10.55	13.51	30.00	-16.49	2.98	16.49	-	-
5785	157		CDD	AVG	26	0	270/286.8 (MCS11)	10.70	10.65	13.69	30.00	-16.31	2.98	16.67	-	-
			CDD	AVG	26	4	270/286.8 (MCS11)	10.99	10.88	13.95	30.00	-16.05	2.98	16.93	-	-
			CDD	AVG	26	8	270/286.8 (MCS11)	10.48	10.65	13.58	30.00	-16.42	2.98	16.56	-	-
5825	165		CDD	AVG	26	0	270/286.8 (MCS11)	10.73	10.66	13.71	30.00	-16.29	2.98	16.69	-	-
			CDD	AVG	26	4	270/286.8 (MCS11)	10.85	10.89	13.88	30.00	-16.12	2.98	16.86	-	-
			CDD	AVG	26	8	270/286.8 (MCS11)	10.69	10.55	13.63	30.00	-16.37	2.98	16.61	-	-

Table 7-89. ISED CDD/SDM Diversity 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
5190	38		SDM	AVG	26	0	540/573.5 (MCS11)	6.45	6.75	9.61	-	-	0.20	9.81	22.62	-12.81
			SDM	AVG	26	8	540/573.5 (MCS11)	7.49	7.72	10.62	-	-	0.20	10.82	22.62	-11.80
			SDM	AVG	26	17	540/573.5 (MCS11)	7.05	7.06	10.07	-	-	0.20	10.27	22.62	-12.35
5230	46		SDM	AVG	26	0	540/573.5 (MCS11)	6.76	7.00	9.89	-	-	0.20	10.09	22.62	-12.53
			SDM	AVG	26	8	540/573.5 (MCS11)	7.75	7.75	10.76	-	-	0.20	10.96	22.62	-11.66
			SDM	AVG	26	17	540/573.5 (MCS11)	7.26	7.57	10.43	-	-	0.20	10.63	22.62	-11.99
5270	54		CDD	AVG	26	0	540/573.5 (MCS11)	8.17	8.16	11.18	22.82	-11.65	3.81	14.99	28.82	-13.84
			CDD	AVG	26	8	540/573.5 (MCS11)	8.95	8.86	11.92	22.82	-10.91	3.81	15.73	28.82	-13.10
			CDD	AVG	26	17	540/573.5 (MCS11)	8.24	8.41	11.34	22.82	-11.49	3.81	15.15	28.82	-13.68
5310	62		CDD	AVG	26	0	540/573.5 (MCS11)	8.26	8.30	11.29	22.82	-11.53	3.81	15.10	28.82	-13.72
			CDD	AVG	26	8	540/573.5 (MCS11)	8.91	8.83	11.88	22.82	-10.94	3.81	15.69	28.82	-13.13
			CDD	AVG	26	17	540/573.5 (MCS11)	8.30	8.46	11.39	22.82	-11.43	3.81	15.20	28.82	-13.62
5510	102		CDD	AVG	26	0	540/573.5 (MCS11)	7.93	7.94	10.95	23.29	-12.35	3.77	14.72	29.29	-14.57
			CDD	AVG	26	8	540/573.5 (MCS11)	8.92	8.91	11.93	23.29	-11.37	3.77	15.70	29.29	-13.59
			CDD	AVG	26	17	540/573.5 (MCS11)	8.22	8.11	11.18	23.29	-12.12	3.77	14.95	29.29	-14.34
5550	110		CDD	AVG	26	0	540/573.5 (MCS11)	8.08	8.20	11.15	23.29	-12.14	3.77	14.92	29.29	-14.37
			CDD	AVG	26	8	540/573.5 (MCS11)	9.00	8.94	11.98	23.29	-11.31	3.77	15.75	29.29	-13.54
			CDD	AVG	26	17	540/573.5 (MCS11)	8.29	8.34	11.33	23.29	-11.97	3.77	15.10	29.29	-14.19
5710	142		CDD	AVG	26	0	540/573.5 (MCS11)	8.53	7.99	11.28	23.29	-12.01	3.77	15.05	29.29	-14.24
			CDD	AVG	26	8	540/573.5 (MCS11)	8.95	9.00	11.99	23.29	-11.31	3.77	15.76	29.29	-13.53
			CDD	AVG	26	17	540/573.5 (MCS11)	8.20	8.40	11.31	23.29	-11.98	3.77	15.08	29.29	-14.21
5755	151		CDD	AVG	26	0	540/573.5 (MCS11)	10.30	9.80	13.07	30.00	-16.93	2.98	16.05	-	-
			CDD	AVG	26	8	540/573.5 (MCS11)	10.97	11.00	14.00	30.00	-16.00	2.98	16.98	-	-
			CDD	AVG	26	17	540/573.5 (MCS11)	10.25	10.26	13.27	30.00	-16.73	2.98	16.25	-	-
5795	159		CDD	AVG	26	0	540/573.5 (MCS11)	10.00	9.87	12.95	30.00	-17.05	2.98	15.93	-	-
			CDD	AVG	26	8	540/573.5 (MCS11)	10.92	10.80	13.87	30.00	-16.13	2.98	16.85	-	-
			CDD	AVG	26	17	540/573.5 (MCS11)	10.20	10.12	13.17	30.00	-16.83	2.98	16.15	-	-

Table 7-90. ISED CDD/SDM Diversity 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 96 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
5GHz (80MHz Bandwidth)	5210	42	SDM	AVG	26	0	1134/1201 (MCS11)	6.93	6.95	9.95	-	-	0.20	10.15	22.62	-12.47
			SDM	AVG	26	18	1134/1201 (MCS11)	7.75	7.75	10.76	-	-	0.20	10.96	22.62	-11.66
			SDM	AVG	26	36	1134/1201 (MCS11)	7.75	7.56	10.67	-	-	0.20	10.87	22.62	-11.75
	5290	58	CDD	AVG	26	0	1134/1201 (MCS11)	8.18	8.08	11.14	22.82	-11.68	3.81	14.95	28.82	-13.87
			CDD	AVG	26	18	1134/1201 (MCS11)	8.95	9.00	11.99	22.82	-10.84	3.81	15.80	28.82	-13.03
			CDD	AVG	26	36	1134/1201 (MCS11)	8.33	8.78	11.57	22.82	-11.25	3.81	15.38	28.82	-13.44
	5530	106	CDD	AVG	26	0	1134/1201 (MCS11)	8.45	8.15	11.31	23.29	-11.98	3.77	15.08	29.29	-14.21
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	9.00	12.01	23.29	-11.28	3.77	15.78	29.29	-13.51
			CDD	AVG	26	36	1134/1201 (MCS11)	8.84	8.03	11.46	23.29	-11.83	3.77	15.24	29.29	-14.06
	5690	138	CDD	AVG	26	0	1134/1201 (MCS11)	8.60	8.15	11.39	23.29	-11.90	3.77	15.16	29.29	-14.13
			CDD	AVG	26	18	1134/1201 (MCS11)	9.00	8.82	11.92	23.29	-11.37	3.77	15.69	29.29	-13.60
			CDD	AVG	26	36	1134/1201 (MCS11)	8.49	8.60	11.56	23.29	-11.74	3.77	15.33	29.29	-13.96
5775	155		CDD	AVG	26	0	1134/1201 (MCS11)	10.66	10.12	13.41	30.00	-16.59	2.98	16.39	-	-
			CDD	AVG	26	18	1134/1201 (MCS11)	11.00	10.97	14.00	30.00	-16.00	2.98	16.98	-	-
			CDD	AVG	26	36	1134/1201 (MCS11)	10.47	10.08	13.29	30.00	-16.71	2.98	16.27	-	-

Table 7-91. ISED CDD/SDM Diversity 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 97 of 397

FCC CDD Diversity Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5180	36	CDD	AVG	106	53	270/286.8 (MCS11)	15.83	15.65	18.75	23.98	-5.23
			CDD	AVG	106	54	270/286.8 (MCS11)	15.90	15.91	18.92	23.98	-5.06
	5200	40	CDD	AVG	106	53	270/286.8 (MCS11)	15.95	15.88	18.93	23.98	-5.05
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.96	18.99	23.98	-4.99
	5240	48	CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.99	19.01	23.98	-4.97
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	16.00	19.01	23.98	-4.97
	5260	52	CDD	AVG	106	53	270/286.8 (MCS11)	15.98	16.00	19.00	22.82	-3.82
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.95	18.99	22.82	-3.84
	5300	60	CDD	AVG	106	53	270/286.8 (MCS11)	15.88	16.00	18.95	22.82	-3.87
			CDD	AVG	106	54	270/286.8 (MCS11)	15.83	16.00	18.93	22.82	-3.90
	5320	64	CDD	AVG	106	53	270/286.8 (MCS11)	15.75	15.95	18.86	22.82	-3.96
			CDD	AVG	106	54	270/286.8 (MCS11)	15.86	15.99	18.94	22.82	-3.89
	5500	100	CDD	AVG	106	53	270/286.8 (MCS11)	15.25	14.96	18.12	23.29	-5.17
			CDD	AVG	106	54	270/286.8 (MCS11)	15.25	15.15	18.21	23.29	-5.08
	5520	104	CDD	AVG	106	53	270/286.8 (MCS11)	15.90	15.83	18.88	23.29	-4.42
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.90	18.96	23.29	-4.33
	5580	116	CDD	AVG	106	53	270/286.8 (MCS11)	15.66	16.00	18.84	23.29	-4.45
			CDD	AVG	106	54	270/286.8 (MCS11)	15.86	16.00	18.94	23.29	-4.35
	5680	136	CDD	AVG	106	53	270/286.8 (MCS11)	15.83	16.00	18.93	23.29	-4.37
			CDD	AVG	106	54	270/286.8 (MCS11)	15.90	16.00	18.96	23.29	-4.33
	5700	140	CDD	AVG	106	53	270/286.8 (MCS11)	13.00	12.70	15.86	23.29	-7.43
			CDD	AVG	106	54	270/286.8 (MCS11)	13.00	12.93	15.98	23.29	-7.32
	5720	144	CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.85	18.94	23.29	-4.36
			CDD	AVG	106	54	270/286.8 (MCS11)	15.93	15.95	18.95	23.29	-4.34
	5745	149	CDD	AVG	106	53	270/286.8 (MCS11)	16.95	17.00	19.99	30.00	-10.01
			CDD	AVG	106	54	270/286.8 (MCS11)	16.90	17.00	19.96	30.00	-10.04
	5785	157	CDD	AVG	106	53	270/286.8 (MCS11)	16.94	16.90	19.93	30.00	-10.07
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	16.83	19.93	30.00	-10.07
	5825	165	CDD	AVG	106	53	270/286.8 (MCS11)	16.83	16.95	19.90	30.00	-10.10
			CDD	AVG	106	54	270/286.8 (MCS11)	16.99	16.50	19.76	30.00	-10.24

Table 7-92. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5190	38	CDD	AVG	242	61	540/573.5 (MCS11)	13.65	13.50	16.59	23.98	-7.39
			CDD	AVG	242	62	540/573.5 (MCS11)	13.74	13.65	16.71	23.98	-7.27
	5230	46	CDD	AVG	242	61	540/573.5 (MCS11)	15.65	15.75	18.71	23.98	-5.27
			CDD	AVG	242	62	540/573.5 (MCS11)	15.95	15.80	18.89	23.98	-5.09
	5270	54	CDD	AVG	242	61	540/573.5 (MCS11)	15.73	15.66	18.71	22.82	-4.12
			CDD	AVG	242	62	540/573.5 (MCS11)	15.95	16.00	18.99	22.82	-3.84
	5310	62	CDD	AVG	242	61	540/573.5 (MCS11)	13.25	13.20	16.24	22.82	-6.59
			CDD	AVG	242	62	540/573.5 (MCS11)	13.45	13.35	16.41	22.82	-6.41
	5510	102	CDD	AVG	242	61	540/573.5 (MCS11)	12.30	12.21	15.27	23.29	-8.03
			CDD	AVG	242	62	540/573.5 (MCS11)	12.50	12.50	15.51	23.29	-7.78
	5550	110	CDD	AVG	242	61	540/573.5 (MCS11)	15.85	15.73	18.80	23.29	-4.49
			CDD	AVG	242	62	540/573.5 (MCS11)	15.88	15.90	18.90	23.29	-4.39
	5590	118	CDD	AVG	242	61	540/573.5 (MCS11)	15.80	15.83	18.83	23.29	-4.47
			CDD	AVG	242	62	540/573.5 (MCS11)	16.00	16.00	19.01	23.29	-4.28
	5630	126	CDD	AVG	242	61	540/573.5 (MCS11)	16.00	15.89	18.96	23.29	-4.34
			CDD	AVG	242	62	540/573.5 (MCS11)	16.00	16.00	19.01	23.29	-4.28
	5670	134	CDD	AVG	242	61	540/573.5 (MCS11)	15.17	15.30	18.25	23.29	-5.05
			CDD	AVG	242	62	540/573.5 (MCS11)	15.42	15.40	18.42	23.29	-4.87
	5710	142	CDD	AVG	106	53	540/573.5 (MCS11)	15.34	15.43	18.40	23.29	-4.90
			CDD	AVG	106	54	540/573.5 (MCS11)	15.96	15.93	18.96	23.29	-4.34
	5755	151	CDD	AVG	242	61	540/573.5 (MCS11)	15.40	15.62	18.52	23.29	-4.77
			CDD	AVG	242	62	540/573.5 (MCS11)	20.00	19.70	22.86	30.00	-7.14
	5795	159	CDD	AVG	242	61	540/573.5 (MCS11)	20.00	19.90	22.96	30.00	-7.04
			CDD	AVG	242	62	540/573.5 (MCS11)	19.90	19.80	22.86	30.00	-7.14
			CDD	AVG	242	61	540/573.5 (MCS11)	20.00	20.00	23.01	30.00	-6.99
			CDD	AVG	242	62	540/573.5 (MCS11)	20.00	20.00	23.01	30.00	-6.99

Table 7-93. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 98 of 397

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5210	42	CDD	AVG	484	65	1134/1201 (MCS11)	13.50	13.07	16.30	23.98	-7.68
			CDD	AVG	484	66	1134/1201 (MCS11)	13.48	13.38	16.44	23.98	-7.54
	5290	58	CDD	AVG	484	65	1134/1201 (MCS11)	12.32	12.17	15.26	22.82	-7.57
			CDD	AVG	484	66	1134/1201 (MCS11)	12.50	12.50	15.51	22.82	-7.31
	5530	106	CDD	AVG	484	65	1134/1201 (MCS11)	12.40	12.44	15.43	23.29	-7.86
			CDD	AVG	484	66	1134/1201 (MCS11)	12.46	12.40	15.44	23.29	-7.85
	5610	122	CDD	AVG	484	65	1134/1201 (MCS11)	16.45	16.48	19.48	23.29	-3.82
			CDD	AVG	484	66	1134/1201 (MCS11)	16.44	16.45	19.46	23.29	-3.84
	5690	138	CDD	AVG	106	65	1134/1201 (MCS11)	15.48	15.54	18.52	23.29	-4.77
			CDD	AVG	106	65	1134/1201 (MCS11)	15.75	16.00	18.89	23.29	-4.40
			CDD	AVG	106	65	1134/1201 (MCS11)	15.38	15.80	18.61	23.29	-4.69
	5775	155	CDD	AVG	484	65	1134/1201 (MCS11)	16.89	16.80	19.86	30.00	-10.14
			CDD	AVG	484	66	1134/1201 (MCS11)	16.99	16.85	19.93	30.00	-10.07

Table 7-94. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 99 of 397

ISED CDD/SDM Diversity Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
5180	36		SDM	AVG	106	53	270/286.8 (MCS11)	13.37	13.52	16.46	-	-	0.20	16.66	22.62	-5.96
			SDM	AVG	106	54	270/286.8 (MCS11)	13.62	13.60	16.62	-	-	0.20	16.82	22.62	-5.80
5200	40		SDM	AVG	106	53	270/286.8 (MCS11)	13.75	13.65	16.71	-	-	0.20	16.91	22.62	-5.71
			SDM	AVG	106	54	270/286.8 (MCS11)	13.75	13.62	16.70	-	-	0.20	16.90	22.62	-5.72
5240	48		SDM	AVG	106	53	270/286.8 (MCS11)	13.53	13.67	16.61	-	-	0.20	16.81	22.62	-5.81
			SDM	AVG	106	54	270/286.8 (MCS11)	13.74	13.59	16.68	-	-	0.20	16.88	22.62	-5.74
5260	52		CDD	AVG	106	53	270/286.8 (MCS11)	15.98	16.00	19.00	22.82	-3.82	3.81	22.81	28.82	-6.01
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.95	18.99	22.82	-3.84	3.81	22.80	28.82	-6.03
5300	60		CDD	AVG	106	53	270/286.8 (MCS11)	15.88	16.00	18.95	22.82	-3.87	3.81	22.76	28.82	-6.06
			CDD	AVG	106	54	270/286.8 (MCS11)	15.83	16.00	18.93	22.82	-3.90	3.81	22.74	28.82	-6.09
5320	64		CDD	AVG	106	53	270/286.8 (MCS11)	15.75	15.95	18.86	22.82	-3.96	3.81	22.67	28.82	-6.15
			CDD	AVG	106	54	270/286.8 (MCS11)	15.86	15.99	18.94	22.82	-3.89	3.81	22.75	28.82	-6.08
5500	100		CDD	AVG	106	53	270/286.8 (MCS11)	15.25	14.96	18.12	23.29	-5.17	3.77	21.89	29.29	-7.40
			CDD	AVG	106	54	270/286.8 (MCS11)	15.25	15.15	18.21	23.29	-5.08	3.77	21.98	29.29	-7.31
5520	104		CDD	AVG	106	53	270/286.8 (MCS11)	15.90	15.83	18.88	23.29	-4.42	3.77	22.65	29.29	-6.64
			CDD	AVG	106	54	270/286.8 (MCS11)	16.00	15.90	18.96	23.29	-4.33	3.77	22.73	29.29	-6.56
5580	116		CDD	AVG	106	53	270/286.8 (MCS11)	15.66	16.00	18.84	23.29	-4.45	3.77	22.62	29.29	-6.68
			CDD	AVG	106	54	270/286.8 (MCS11)	15.86	16.00	18.94	23.29	-4.35	3.77	22.71	29.29	-6.58
5680	136		CDD	AVG	106	53	270/286.8 (MCS11)	15.83	16.00	18.93	23.29	-4.37	3.77	22.70	29.29	-6.59
			CDD	AVG	106	54	270/286.8 (MCS11)	15.90	16.00	18.96	23.29	-4.33	3.77	22.73	29.29	-6.56
5700	140		CDD	AVG	106	53	270/286.8 (MCS11)	13.00	12.70	15.86	23.29	-7.43	3.77	19.63	29.29	-9.66
			CDD	AVG	106	54	270/286.8 (MCS11)	13.00	12.93	15.98	23.29	-7.32	3.77	19.75	29.29	-9.54
5720	144		CDD	AVG	106	53	270/286.8 (MCS11)	16.00	15.85	18.94	23.29	-4.36	3.77	22.71	29.29	-6.58
			CDD	AVG	106	54	270/286.8 (MCS11)	15.93	15.95	18.95	23.29	-4.34	3.77	22.72	29.29	-6.57
5745	149		CDD	AVG	106	53	270/286.8 (MCS11)	16.95	17.00	19.99	30.00	-10.01	2.98	22.97	-	-
			CDD	AVG	106	54	270/286.8 (MCS11)	16.90	17.00	19.96	30.00	-10.04	2.98	22.94	-	-
5785	157		CDD	AVG	106	53	270/286.8 (MCS11)	16.94	16.90	19.93	30.00	-10.07	2.98	22.91	-	-
			CDD	AVG	106	54	270/286.8 (MCS11)	17.00	16.83	19.93	30.00	-10.07	2.98	22.91	-	-
5825	165		CDD	AVG	106	53	270/286.8 (MCS11)	16.83	16.95	19.90	30.00	-10.10	2.98	22.88	-	-
			CDD	AVG	106	54	270/286.8 (MCS11)	16.99	16.50	19.76	30.00	-10.24	2.98	22.74	-	-

Table 7-95. ISED CDD/SDM Diversity 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
5190	38		SDM	AVG	242	61	540/573.5 (MCS11)	13.65	13.50	16.59	-	-	0.20	16.79	22.62	-5.83
			SDM	AVG	242	62	540/573.5 (MCS11)	13.74	13.65	16.71	-	-	0.20	16.91	22.62	-5.71
5230	46		SDM	AVG	242	61	540/573.5 (MCS11)	13.50	13.66	16.59	-	-	0.20	16.79	22.62	-5.83
			SDM	AVG	242	62	540/573.5 (MCS11)	13.75	13.75	16.76	-	-	0.20	16.96	22.62	-5.66
5270	54		CDD	AVG	242	61	540/573.5 (MCS11)	15.73	15.66	18.71	22.82	-4.12	3.81	22.52	28.82	-6.31
			CDD	AVG	242	62	540/573.5 (MCS11)	15.95	16.00	18.99	22.82	-3.84	3.81	22.80	28.82	-6.03
5310	62		CDD	AVG	242	61	540/573.5 (MCS11)	13.25	13.20	16.24	22.82	-6.59	3.81	20.05	28.82	-8.78
			CDD	AVG	242	62	540/573.5 (MCS11)	13.45	13.35	16.41	22.82	-6.41	3.81	20.22	28.82	-8.60
5510	102		CDD	AVG	242	61	540/573.5 (MCS11)	12.30	12.21	15.27	23.29	-8.03	3.77	19.04	29.29	-10.25
			CDD	AVG	242	62	540/573.5 (MCS11)	12.50	12.50	15.51	23.29	-7.78	3.77	19.28	29.29	-10.01
5550	110		CDD	AVG	242	61	540/573.5 (MCS11)	15.85	15.73	18.80	23.29	-4.49	3.77	22.57	29.29	-6.72
			CDD	AVG	242	62	540/573.5 (MCS11)	15.88	15.90	18.90	23.29	-4.39	3.77	22.67	29.29	-6.62
5670	134		CDD	AVG	242	61	540/573.5 (MCS11)	15.17	15.30	18.25	23.29	-5.05	3.77	22.02	22.62	-0.60
			CDD	AVG	242	62	540/573.5 (MCS11)	15.42	15.40	18.42	23.29	-4.87	3.77	22.19	22.62	-0.43
5710	142		CDD	AVG	106	53	540/573.5 (MCS11)	15.34	15.43	18.40	23.29	-4.90	3.77	22.17	29.29	-7.12
			CDD	AVG	106	54	540/573.5 (MCS11)	15.96	15.93	18.96	23.29	-4.34	3.77	22.73	29.29	-6.56
5755	151		CDD	AVG	106	56	540/573.5 (MCS11)	15.40	15.62	18.52	23.29	-4.77	3.77	22.29	29.29	-7.00
			CDD	AVG	242	61	540/573.5 (MCS11)	20.00	19.70	22.86	30.00	-7.14	2.98	25.84	-	-
5795	159		CDD	AVG	242	62	540/573.5 (MCS11)	20.00	19.90	22.96	30.00	-7.04	2.98	25.94	-	-
			CDD	AVG	242	61	540/573.5 (MCS11)	19.90	19.80	22.86	30.00	-7.14	2.98	25.84	-	-
			CDD	AVG	242	62	540/573.5 (MCS11)	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-

Table 7-96. ISED CDD/SDM Diversity 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit	Conducted Power Margin	Directional Ant. Gain	Max e.i.r.p.	Max e.i.r.p. Limit	e.i.r.p. Margin
								Antenna 2b	Antenna 3aa	Summed	[dBm]	[dB]	[dBi]	[dBm]	[dBm]	[dB]
	5210	42	CDD	AVG	484	65	1134/1201 (MCS11)	13.50	13.07	16.30	-	-	3.14	19.44	22.62	-3.18
			CDD	AVG	484	66	1134/1201 (MCS11)	13.48	13.38	16.44	-	-	3.14	19.58	22.62	-3.04
	5290	58	CDD	AVG	484	65	1134/1201 (MCS11)	12.32	12.17	15.26	22.82	-7.57	3.81	19.07	28.82	-9.76
			CDD	AVG	484	66	1134/1201 (MCS11)	12.50	12.50	15.51	22.82	-7.31	3.81	19.32	28.82	-9.50
	5530	106	CDD	AVG	484	65	1134/1201 (MCS11)	12.40	12.44	15.43	23.29	-7.86	3.77	19.20	29.29	-10.09
			CDD	AVG	484	66	1134/1201 (MCS11)	12.46	12.40	15.44	23.29	-7.85	3.77	19.21	29.29	-10.08
	5690	138	CDD	AVG	106	65	1134/1201 (MCS11)	15.48	15.54	18.52	23.29	-4.77	3.77	22.29	29.29	-7.00
			CDD	AVG	106	65	1134/1201 (MCS11)	15.75	16.00	18.89	23.29	-4.40	3.77	22.66	29.29	-6.63
5775	155	CDD	AVG	106	65	1134/1201 (MCS11)	15.38	15.80	18.61	23.29	-4.69	3.77	22.38	29.29	-6.91	
		CDD	AVG	484	65	1134/1201 (MCS11)	16.89	16.80	19.86	30.00	-10.14	2.98	22.84	-	-	
		CDD	AVG	484	66	1134/1201 (MCS11)	16.99	16.85	19.93	30.00	-10.07	2.98	22.91	-	-	

FCC CDD Diversity Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5180	36	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	15.93	18.98	23.98	-5.00
	5200	40	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	242	61	270/286.8 (MCS11)	15.90	15.95	18.94	23.98	-5.04
	5260	52	CDD	AVG	242	61	270/286.8 (MCS11)	15.90	15.89	18.91	22.82	-3.92
	5300	60	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	16.00	19.01	22.82	-3.81
	5320	64	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	16.00	19.01	22.82	-3.81
	5500	100	CDD	AVG	242	61	270/286.8 (MCS11)	15.20	15.25	18.24	23.29	-5.06
	5520	104	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	15.90	18.96	23.29	-4.33
	5580	116	CDD	AVG	242	61	270/286.8 (MCS11)	15.95	16.00	18.99	23.29	-4.31
	5680	136	CDD	AVG	242	61	270/286.8 (MCS11)	15.99	16.00	19.01	23.29	-4.29
	5700	140	CDD	AVG	242	61	270/286.8 (MCS11)	13.00	12.83	15.93	23.29	-7.37
	5720	144	CDD	AVG	242	61	270/286.8 (MCS11)	15.95	16.00	18.99	23.29	-4.31
	5745	149	CDD	AVG	242	61	270/286.8 (MCS11)	20.00	19.90	22.96	30.00	-7.04
	5785	157	CDD	AVG	242	61	270/286.8 (MCS11)	20.00	20.00	23.01	30.00	-6.99
	5825	165	CDD	AVG	242	61	270/286.8 (MCS11)	19.90	20.00	22.96	30.00	-7.04

Table 7-98. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5190	38	CDD	AVG	484	65	540/573.5 (MCS11)	13.69	13.73	16.72	23.98	-7.26
	5230	46	CDD	AVG	484	65	540/573.5 (MCS11)	19.47	19.50	22.50	23.98	-1.48
	5270	54	CDD	AVG	484	65	540/573.5 (MCS11)	19.30	19.26	22.29	22.82	-0.53
	5310	62	CDD	AVG	484	65	540/573.5 (MCS11)	13.50	13.45	16.49	22.82	-6.34
	5510	102	CDD	AVG	484	65	540/573.5 (MCS11)	12.40	12.44	15.43	23.29	-7.86
	5550	110	CDD	AVG	484	65	540/573.5 (MCS11)	18.49	18.38	21.45	23.29	-1.85
	5590	118	CDD	AVG	484	65	540/573.5 (MCS11)	19.44	19.43	22.45	23.29	-0.85
	5630	126	CDD	AVG	484	65	540/573.5 (MCS11)	19.50	19.40	22.46	23.29	-0.83
	5670	134	CDD	AVG	484	65	540/573.5 (MCS11)	15.50	15.50	18.51	23.29	-4.78
	5710	142	CDD	AVG	484	65	540/573.5 (MCS11)	19.41	19.49	22.46	23.29	-0.83
	5755	151	CDD	AVG	484	65	540/573.5 (MCS11)	20.00	19.98	23.00	30.00	-7.00
	5795	159	CDD	AVG	484	65	540/573.5 (MCS11)	19.87	20.00	22.95	30.00	-7.05

Table 7-99. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna 2b	Antenna 3a	Summed		
	5210	42	CDD	AVG	996	67	1134/1201 (MCS11)	13.38	13.50	16.45	23.98	-7.53
	5290	58	CDD	AVG	996	67	1134/1201 (MCS11)	12.34	12.50	15.43	22.82	-7.39
	5530	106	CDD	AVG	996	67	1134/1201 (MCS11)	12.34	12.50	15.43	23.29	-7.86
	5610	122	CDD	AVG	996	67	1134/1201 (MCS11)	16.49	16.45	19.48	23.29	-3.81
	5690	138	CDD	AVG	996	67	1134/1201 (MCS11)	19.97	19.82	22.91	23.29	-0.39
	5775	155	CDD	AVG	996	67	1134/1201 (MCS11)	16.99	16.94	19.98	30.00	-10.02

Table 7-100. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

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ISED CDD/SDM Diversity Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
	5180	36	SDM	AVG	242	61	270/286.8 (MCS11)	13.75	13.60	16.69	-	-	0.20	16.89	22.62	-5.73
	5200	40	SDM	AVG	242	61	270/286.8 (MCS11)	13.66	13.73	16.71	-	-	0.20	16.91	22.62	-5.71
	5240	48	SDM	AVG	242	61	270/286.8 (MCS11)	13.75	13.75	16.76	-	-	0.20	16.96	22.62	-5.66
	5260	52	CDD	AVG	242	61	270/286.8 (MCS11)	15.90	15.89	18.91	22.82	-3.92	3.81	22.72	28.82	-6.11
	5300	60	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	16.00	19.01	22.82	-3.81	3.81	22.82	28.82	-6.00
	5320	64	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	16.00	19.01	22.82	-3.81	3.81	22.82	28.82	-6.00
	5500	100	CDD	AVG	242	61	270/286.8 (MCS11)	15.20	15.25	18.24	23.29	-5.06	3.77	22.01	29.29	-7.28
	5520	104	CDD	AVG	242	61	270/286.8 (MCS11)	16.00	15.90	18.96	23.29	-4.33	3.77	22.73	29.29	-6.56
	5540	108	CDD	AVG	242	61	270/286.8 (MCS11)	15.85	15.80	18.84	23.29	-4.46	3.77	22.61	29.29	-6.68
	5580	116	CDD	AVG	242	61	270/286.8 (MCS11)	15.95	16.00	18.99	23.29	-4.31	3.77	22.76	29.29	-6.53
	5660	132	CDD	AVG	242	61	270/286.8 (MCS11)	15.91	16.00	18.97	23.29	-4.33	3.77	22.74	29.29	-6.55
	5680	136	CDD	AVG	242	61	270/286.8 (MCS11)	15.99	16.00	19.01	23.29	-4.29	3.77	22.78	29.29	-6.51
	5700	140	CDD	AVG	242	61	270/286.8 (MCS11)	13.00	12.83	15.93	23.29	-7.37	3.77	19.70	29.29	-9.59
	5720	144	CDD	AVG	242	61	270/286.8 (MCS11)	15.95	16.00	18.99	23.29	-4.31	3.77	22.76	29.29	-6.53
	5745	149	CDD	AVG	242	61	270/286.8 (MCS11)	20.00	19.90	22.96	30.00	-7.04	2.98	25.94	-	-
	5785	157	CDD	AVG	242	61	270/286.8 (MCS11)	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-
	5825	165	CDD	AVG	242	61	270/286.8 (MCS11)	19.90	20.00	22.96	30.00	-7.04	2.98	25.94	-	-

Table 7-101. ISED CDD/SDM Diversity 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
	5190	38	CDD	AVG	484	65	540/573.5 (MCS11)	13.69	13.73	16.72	-	-	3.14	19.86	22.62	-2.76
	5230	46	SDM	AVG	484	65	540/573.5 (MCS11)	18.25	18.15	21.21	-	-	0.20	21.41	22.62	-1.21
	5270	54	CDD	AVG	484	65	540/573.5 (MCS11)	19.30	19.26	22.29	22.82	-0.53	3.81	26.10	28.82	-2.72
	5310	62	CDD	AVG	484	65	540/573.5 (MCS11)	13.50	13.45	16.49	22.82	-6.34	3.81	20.30	28.82	-8.53
	5510	102	CDD	AVG	484	65	540/573.5 (MCS11)	12.40	12.44	15.43	23.29	-7.86	3.77	19.20	29.29	-10.09
	5550	110	CDD	AVG	484	65	540/573.5 (MCS11)	18.49	18.38	21.45	23.29	-1.85	3.77	25.22	29.29	-4.07
	5670	134	CDD	AVG	484	65	540/573.5 (MCS11)	15.50	15.50	18.51	23.29	-4.78	3.77	22.28	29.29	-7.01
	5710	142	CDD	AVG	484	65	540/573.5 (MCS11)	19.41	19.49	22.46	23.29	-0.83	3.77	26.23	29.29	-3.06
	5755	151	CDD	AVG	484	65	540/573.5 (MCS11)	20.00	19.98	23.00	30.00	-7.00	2.98	25.98	-	-
	5795	159	CDD	AVG	484	65	540/573.5 (MCS11)	19.87	20.00	22.95	30.00	-7.05	2.98	25.93	-	-

Table 7-102. ISED CDD/SDM Diversity 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 2b	Antenna 3a	Summed						
	5210	42	CDD	AVG	996	67	1134/1201 (MCS11)	13.38	13.50	16.45	-	-	3.14	19.59	22.62	-3.03
	5290	58	CDD	AVG	996	67	1134/1201 (MCS11)	12.34	12.50	15.43	22.82	-7.39	3.81	19.24	28.82	-9.58
	5530	106	CDD	AVG	996	67	1134/1201 (MCS11)	12.34	12.50	15.43	23.29	-7.86	3.77	19.20	29.29	-10.09
	5690	138	CDD	AVG	996	67	1134/1201 (MCS11)	19.97	19.82	22.91	23.29	-0.39	3.77	26.68	29.29	-2.61
	5775	155	CDD	AVG	996	67	1134/1201 (MCS11)	16.99	16.94	19.98	30.00	-10.02	2.98	22.96	-	-

Table 7-103. ISED CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

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Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at Antenna 2b and Antenna 1b were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Subclause 14.4.3, the correlated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10-2013 Subclause 14.4.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample CDD Calculation:

At 5180MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be 7.96 dBm for Antenna-2b and 8.3 dBm for Antenna-1b.

$$\text{Antenna 2b} + \text{Antenna 1b} = \text{CDD/SDM}$$

$$(7.96 \text{ dBm} + 8.3 \text{ dBm}) = (6.25 \text{ mW} + 6.76 \text{ mW}) = 13.01 \text{ mW} = 11.14 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11ax (20MHz BW, CDD) mode, the average CDD/SDM conducted power was calculated to be 11.14 dBm with directional gain of 2.42 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$11.14 \text{ dBm} + 2.42 \text{ dBi} = 13.56 \text{ dBm}$$

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7.5 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2013 – Subclause 12.3.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2013 – Subclause 14.3.2.2 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span}/\text{RBW})$
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All of the partially-loaded RU configurations have been investigated for Power Spectral Density measurement and among all partially-loaded RU configurations, the RU26 configuration was found to be the worst case. Therefore, only the RU26 (Partially-loaded RU) and RU242 (Fully-loaded RU) data are included in this section.
2. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel psd plots have been reported.

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Antenna 2b Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	135/143.4 (MCS11)	6.15	11.0	-4.85
				26	4	135/143.4 (MCS11)	5.98	11.0	-5.02
				26	8	135/143.4 (MCS11)	6.90	11.0	-4.10
	5200	40	ax (20MHz)	26	0	135/143.4 (MCS11)	5.98	11.0	-5.02
				26	4	135/143.4 (MCS11)	6.34	11.0	-4.66
				26	8	135/143.4 (MCS11)	7.17	11.0	-3.84
	5240	48	ax (20MHz)	26	0	135/143.4 (MCS11)	7.60	11.0	-3.40
				26	4	135/143.4 (MCS11)	6.94	11.0	-4.06
				26	8	135/143.4 (MCS11)	7.47	11.0	-3.53
	5190	38	ax (40MHz)	26	0	271/286.8 (MCS11)	5.91	11.0	-5.09
				26	8	271/286.8 (MCS11)	7.26	11.0	-3.74
				26	17	271/286.8 (MCS11)	6.94	11.0	-4.06
	5230	46	ax (40MHz)	26	0	271/286.8 (MCS11)	6.76	11.0	-4.24
				26	8	271/286.8 (MCS11)	7.90	11.0	-3.10
				26	17	271/286.8 (MCS11)	7.22	11.0	-3.78
	5210	42	ax (80MHz)	26	0	567/600.5 (MCS11)	6.45	11.0	-4.55
				26	18	567/600.5 (MCS11)	6.55	11.0	-4.45
				26	36	567/600.5 (MCS11)	6.61	11.0	-4.39
Band 2A	5260	52	ax (20MHz)	26	0	135/143.4 (MCS11)	7.44	11.0	-3.56
				26	4	135/143.4 (MCS11)	7.26	11.0	-3.74
				26	8	135/143.4 (MCS11)	7.28	11.0	-3.72
	5280	56	ax (20MHz)	26	0	135/143.4 (MCS11)	7.74	11.0	-3.26
				26	4	135/143.4 (MCS11)	7.16	11.0	-3.84
				26	8	135/143.4 (MCS11)	7.67	11.0	-3.33
	5320	64	ax (20MHz)	26	0	135/143.4 (MCS11)	6.98	11.0	-4.02
				26	4	135/143.4 (MCS11)	6.22	11.0	-4.78
				26	8	135/143.4 (MCS11)	6.72	11.0	-4.28
	5270	54	ax (40MHz)	26	0	271/286.8 (MCS11)	6.87	11.0	-4.13
				26	8	271/286.8 (MCS11)	7.67	11.0	-3.33
				26	17	271/286.8 (MCS11)	6.84	11.0	-4.16
	5310	62	ax (40MHz)	26	0	271/286.8 (MCS11)	6.95	11.0	-4.05
				26	8	271/286.8 (MCS11)	7.51	11.0	-3.49
				26	17	271/286.8 (MCS11)	6.57	11.0	-4.43
	5290	58	ax (80MHz)	26	0	567/600.5 (MCS11)	6.55	11.0	-4.45
				26	18	567/600.5 (MCS11)	6.17	11.0	-4.83
				26	36	567/600.5 (MCS11)	6.51	11.0	-4.49
Band 2C	5500	100	ax (20MHz)	26	0	135/143.4 (MCS11)	7.24	11.0	-3.76
				26	4	135/143.4 (MCS11)	6.55	11.0	-4.45
				26	8	135/143.4 (MCS11)	6.97	11.0	-4.03
	5580	116	ax (20MHz)	26	0	135/143.4 (MCS11)	6.18	11.0	-4.82
				26	4	135/143.4 (MCS11)	5.39	11.0	-5.61
				26	8	135/143.4 (MCS11)	6.12	11.0	-4.88
	5720	144	ax (20MHz)	26	0	135/143.4 (MCS11)	7.02	11.0	-3.98
				26	4	135/143.4 (MCS11)	6.48	11.0	-4.52
				26	8	135/143.4 (MCS11)	6.79	11.0	-4.21
	5510	102	ax (40MHz)	26	0	271/286.8 (MCS11)	6.82	11.0	-4.18
				26	8	271/286.8 (MCS11)	7.44	11.0	-3.56
				26	17	271/286.8 (MCS11)	6.29	11.0	-4.71
	5550	110	ax (40MHz)	26	0	271/286.8 (MCS11)	6.22	11.0	-4.78
				26	8	271/286.8 (MCS11)	6.56	11.0	-4.44
				26	17	271/286.8 (MCS11)	6.06	11.0	-4.94
	5710	142	ax (40MHz)	26	0	271/286.8 (MCS11)	6.73	11.0	-4.27
				26	8	271/286.8 (MCS11)	7.06	11.0	-3.94
				26	17	271/286.8 (MCS11)	6.38	11.0	-4.62
	5530	106	ax (80MHz)	26	0	567/600.5 (MCS11)	6.15	11.0	-4.85
				26	18	567/600.5 (MCS11)	4.72	11.0	-6.28
				26	36	567/600.5 (MCS11)	5.81	11.0	-5.19
	*5610	122	ax (80MHz)	26	0	567/600.5 (MCS11)	5.74	11.0	-5.26
				26	18	567/600.5 (MCS11)	5.75	11.0	-5.25
				26	36	567/600.5 (MCS11)	6.17	11.0	-4.83
	5690	138	ax (80MHz)	26	0	567/600.5 (MCS11)	5.59	11.0	-5.42
				26	18	567/600.5 (MCS11)	6.30	11.0	-4.70
				26	36	567/600.5 (MCS11)	6.48	11.0	-4.52

Table 7-104. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 2b (RU26)

*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

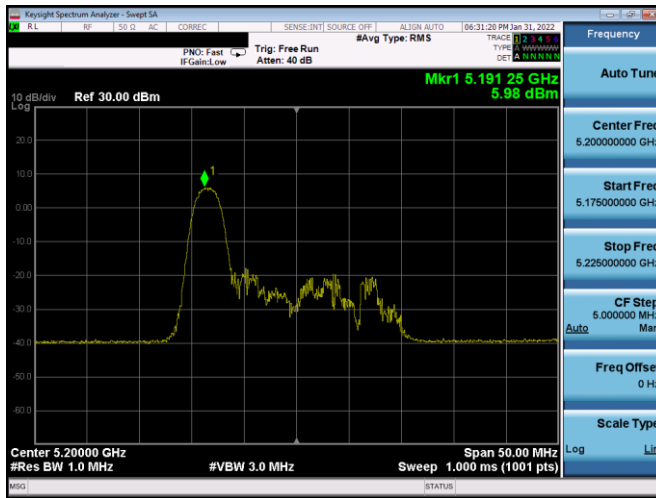
FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 105 of 397

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	135/143.4 (MCS11)	5.56	11.0	-5.44
	5200	40	ax (20MHz)	242	61	135/143.4 (MCS11)	6.05	11.0	-4.95
	5240	48	ax (20MHz)	242	61	135/143.4 (MCS11)	5.98	11.0	-5.02
	5190	38	ax (40MHz)	484	65	271/286.8 (MCS11)	-0.34	11.0	-11.34
	5230	46	ax (40MHz)	484	65	271/286.8 (MCS11)	5.13	11.0	-5.87
	5210	42	ax (80MHz)	996	67	567/600.5 (MCS11)	-2.49	11.0	-13.49
Band 2A	5260	52	ax (20MHz)	242	61	135/143.4 (MCS11)	7.21	11.0	-3.79
	5280	56	ax (20MHz)	242	61	135/143.4 (MCS11)	7.45	11.0	-3.55
	5320	64	ax (20MHz)	242	61	135/143.4 (MCS11)	5.75	11.0	-5.25
	5270	54	ax (40MHz)	484	65	271/286.8 (MCS11)	3.84	11.0	-7.16
	5310	62	ax (40MHz)	484	65	271/286.8 (MCS11)	-1.56	11.0	-12.56
	5290	58	ax (80MHz)	996	67	567/600.5 (MCS11)	-5.10	11.0	-16.10
Band 2C	5500	100	ax (20MHz)	242	61	135/143.4 (MCS11)	3.41	11.0	-7.59
	5580	116	ax (20MHz)	242	61	135/143.4 (MCS11)	6.81	11.0	-4.19
	5720	144	ax (20MHz)	242	61	135/143.4 (MCS11)	7.28	11.0	-3.72
	5510	102	ax (40MHz)	484	65	271/286.8 (MCS11)	-3.32	11.0	-14.32
	5550	110	ax (40MHz)	484	65	271/286.8 (MCS11)	2.74	11.0	-8.26
	5710	142	ax (40MHz)	484	65	271/286.8 (MCS11)	3.46	11.0	-7.54
	5530	106	ax (80MHz)	996	67	567/600.5 (MCS11)	-5.83	11.0	-16.83
	*5610	122	ax (80MHz)	996	67	567/600.5 (MCS11)	-1.10	11.0	-12.10
	5690	138	ax (80MHz)	996	67	567/600.5 (MCS11)	3.54	11.0	-7.46

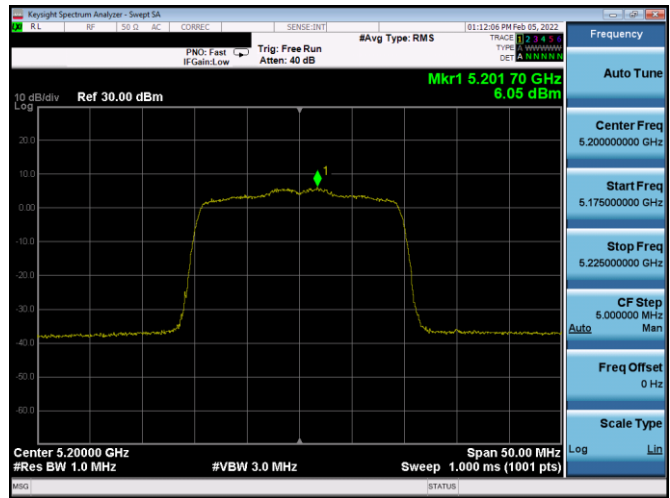
Table 7-105. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 2b (Fully-loaded RU)

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 106 of 397



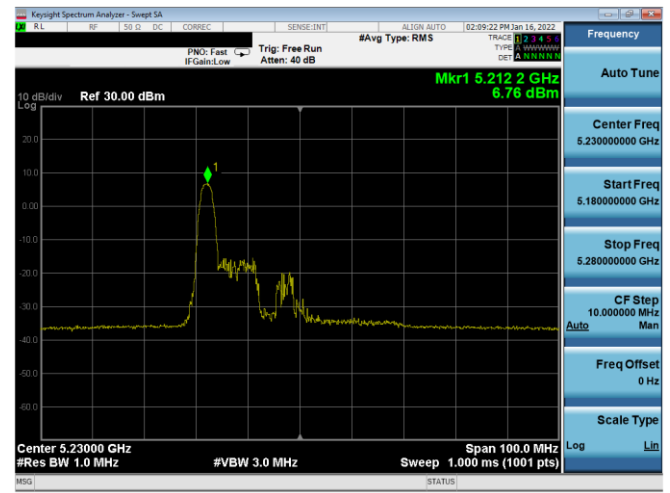
Plot 7-145. PSD Antenna 2b (20MHz BW 11ax Index 0 – RU26 – Ch.40)



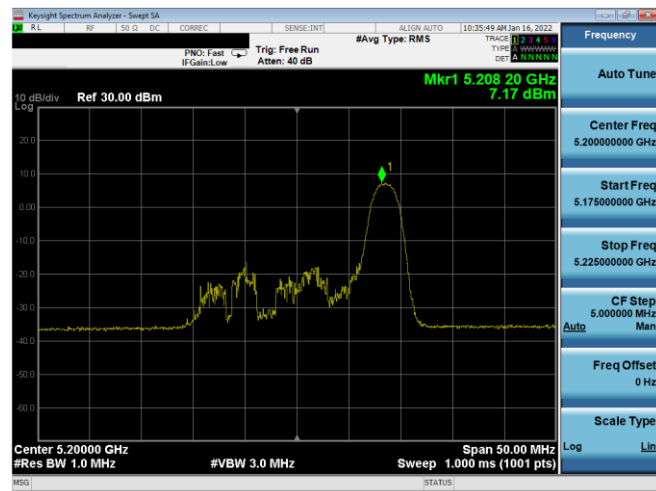
Plot 7-148. PSD Antenna 2b (20MHz BW 11ax– RU242 – Ch.40)



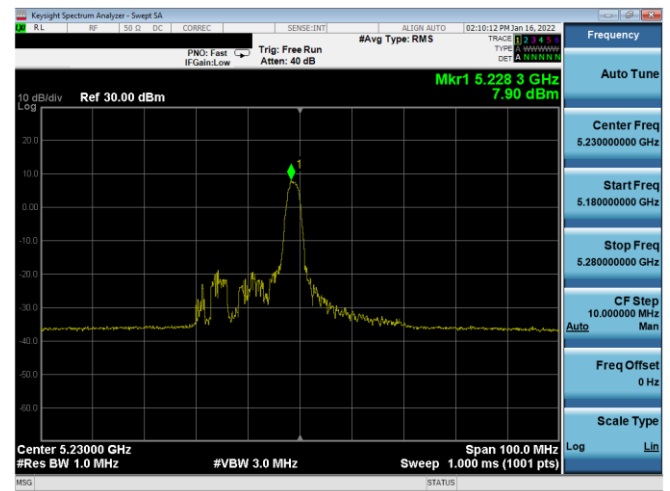
Plot 7-146. PSD Antenna 2b (20MHz BW 11ax Index 4 – RU26 – Ch.40)



Plot 7-149. PSD Antenna 2b (40MHz BW 11ax Index 0 – RU26 – Ch.46)

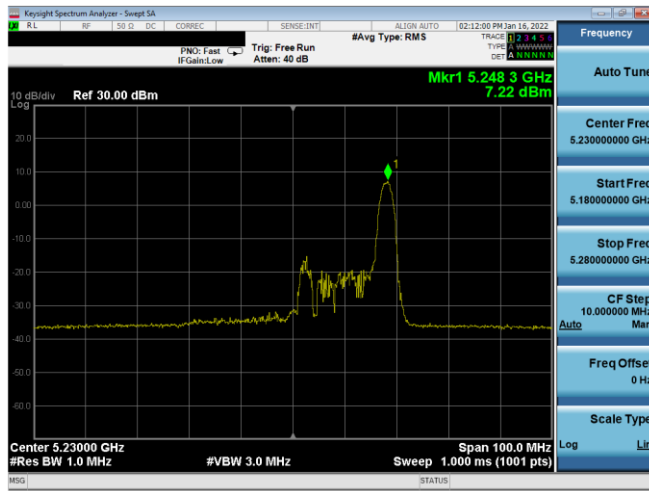


Plot 7-147. PSD Antenna 2b (20MHz BW 11ax Index 8– RU26 – Ch.40)

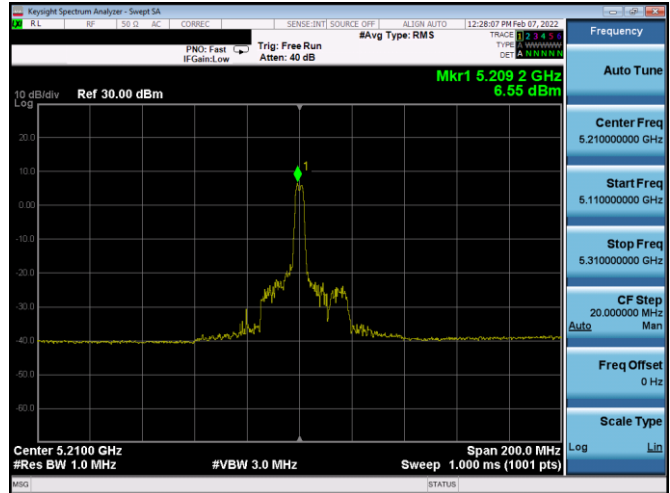


Plot 7-150. PSD Antenna 2b (40MHz BW 11ax Index 8 – RU26 – Ch.46)

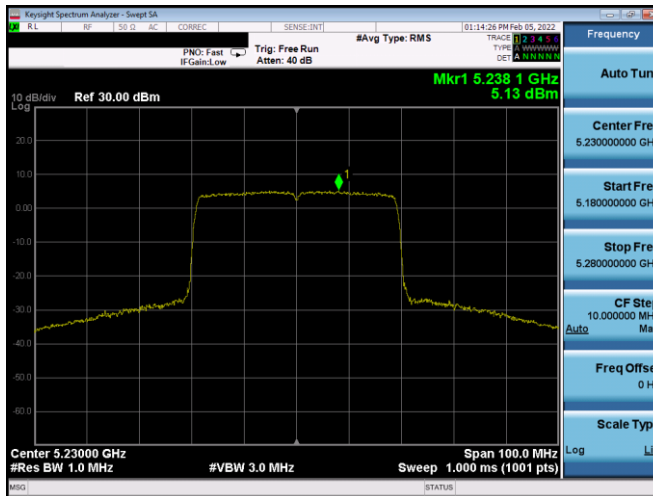
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG	Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device	Page 107 of 397



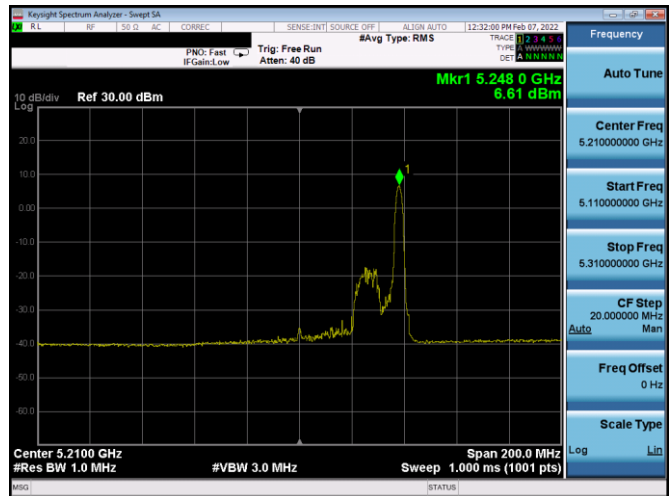
Plot 7-151. PSD Antenna 2b (40MHz BW 11ax Index 17 – RU26 – Ch.46)



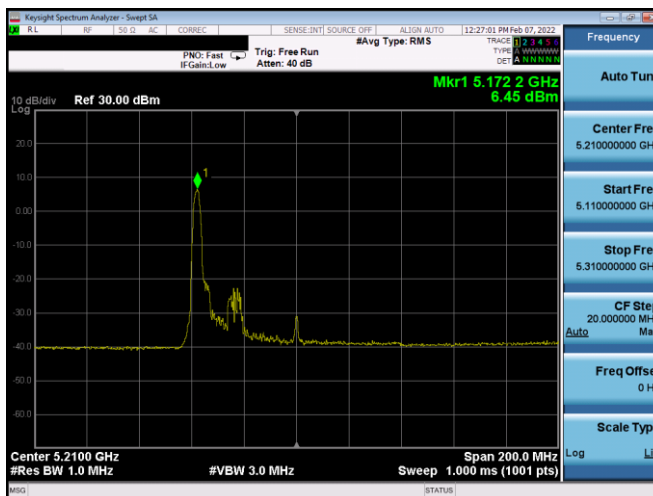
Plot 7-154. PSD Antenna 2b (80MHz BW 11ax Index 18 – RU26 – Ch.42)



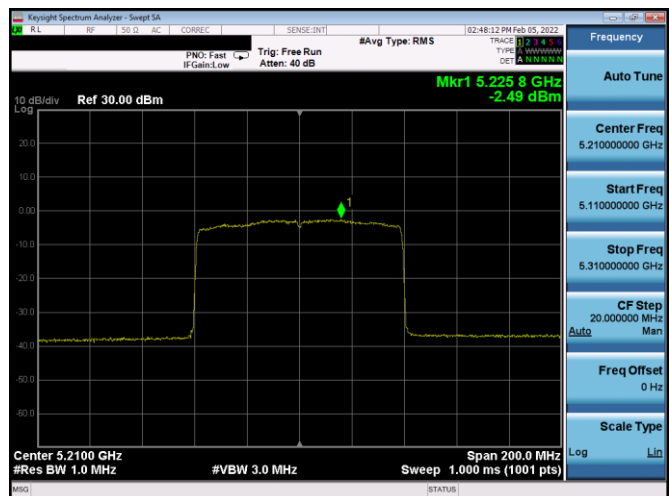
Plot 7-152. PSD Antenna 2b (40MHz BW 11ax – RU484 – Ch.46)



Plot 7-155. PSD Antenna 2b (80MHz BW 11ax Index 36 – RU26 – Ch.42)

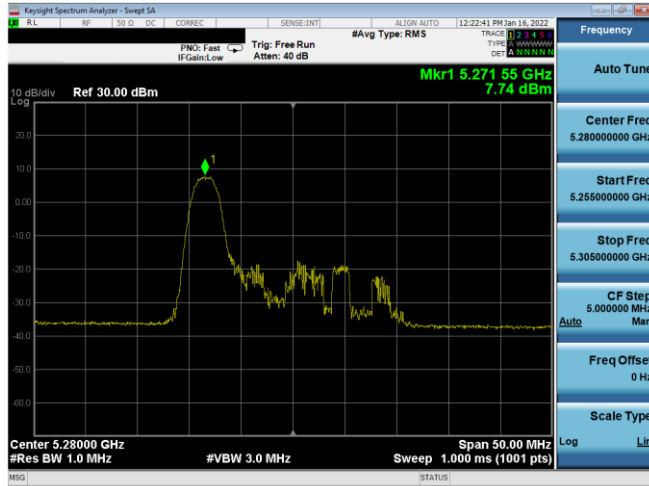


Plot 7-153. PSD Antenna 2b (80MHz BW 11ax Index 0 – RU26 – Ch.42)

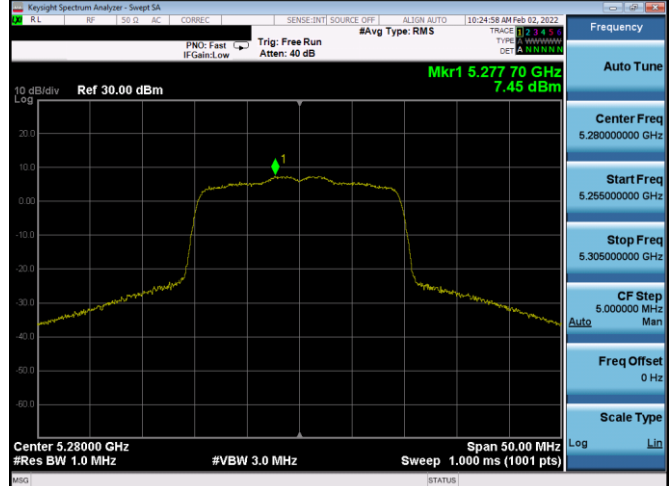


Plot 7-156. PSD Antenna 2b (80MHz BW 11ax – RU996 – Ch.42)

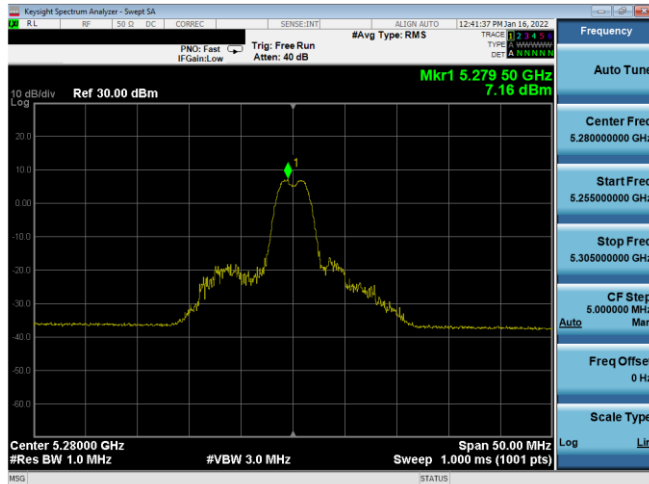
FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG			
Test Dates: 12/02/2021 - 02/16/2022	EUT Type: Tablet Device		Page 108 of 397



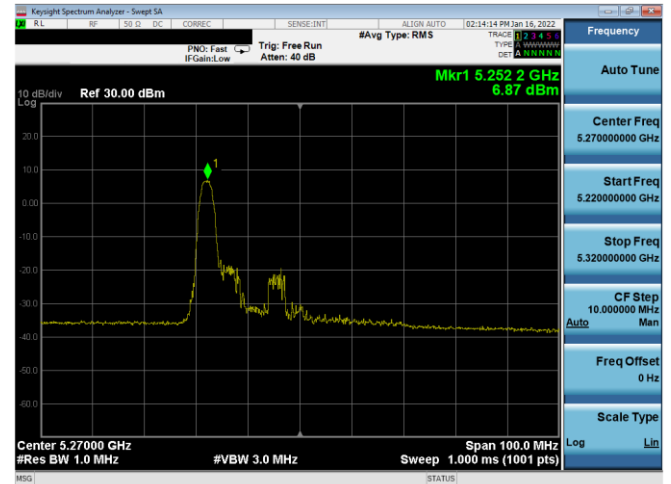
Plot 7-157. PSD Antenna 2b (20MHz BW 11ax Index 0 – RU26 – Ch.56)



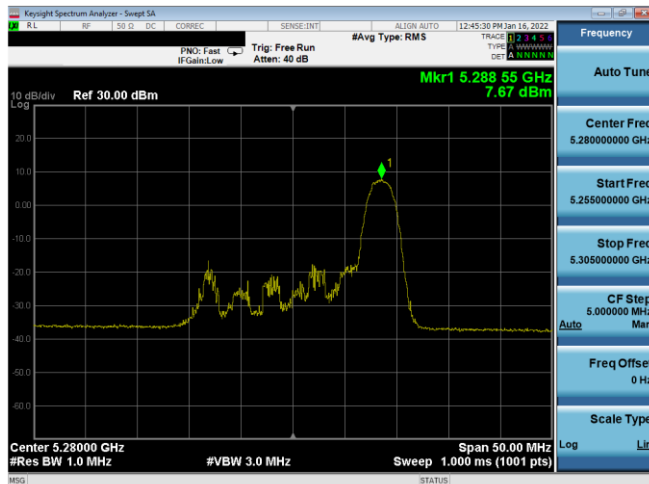
Plot 7-160. PSD Antenna 2b (20MHz BW 11ax– RU242 – Ch.56)



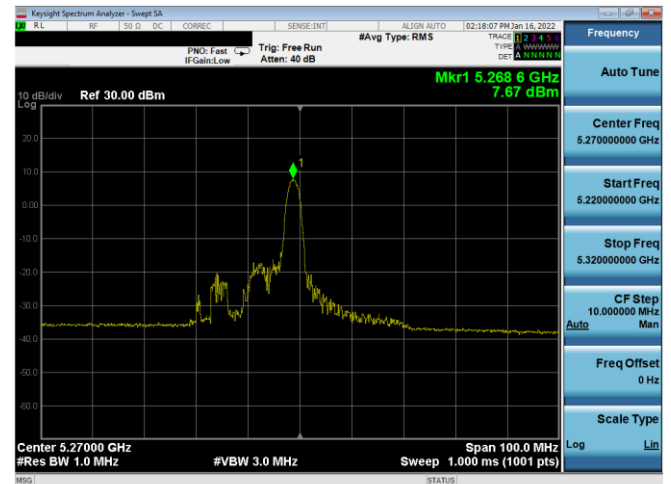
Plot 7-158. PSD Antenna 2b (20MHz BW 11ax Index 4 – RU26 – Ch.56)



Plot 7-161. PSD Antenna 2b (40MHz BW 11ax Index 0 – RU26 – Ch.54)



Plot 7-159. PSD Antenna 2b (20MHz BW 11ax Index 8– RU26 – Ch.56)



Plot 7-162. PSD Antenna 2b (40MHz BW 11ax Index 8 – RU26 – Ch.54)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-15.BCG			Page 109 of 397