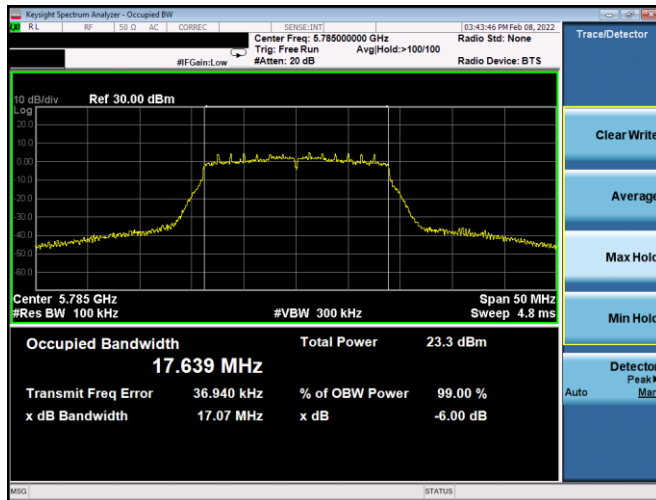
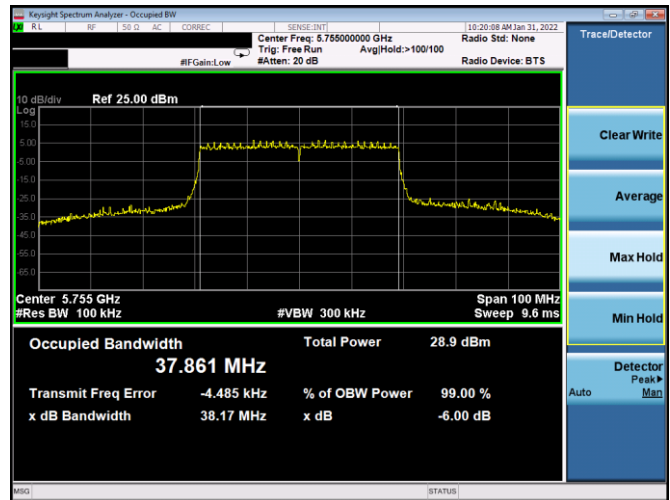


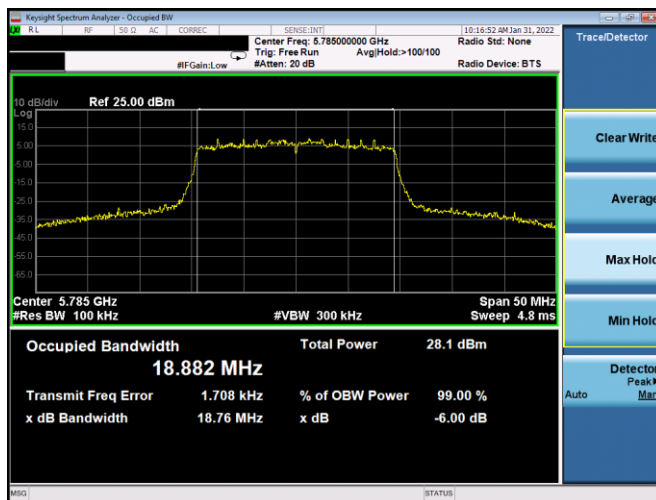
High Data Rate



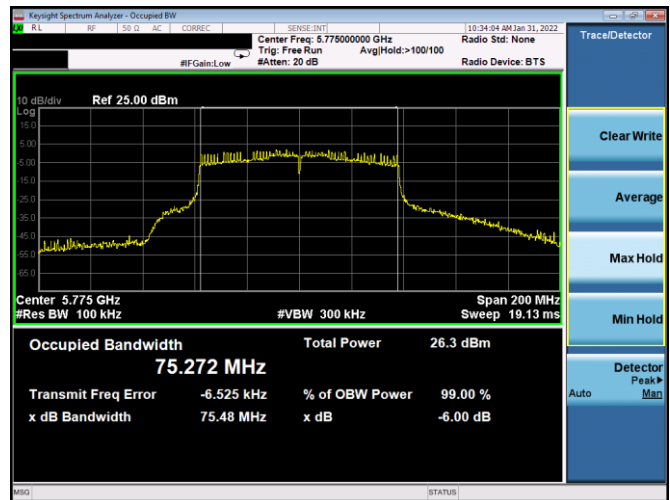
Plot 7-193. 6dB BW & 99% OBW Antenna 1B (20MHz BW 802.11n – Ch. 157, MCS5)



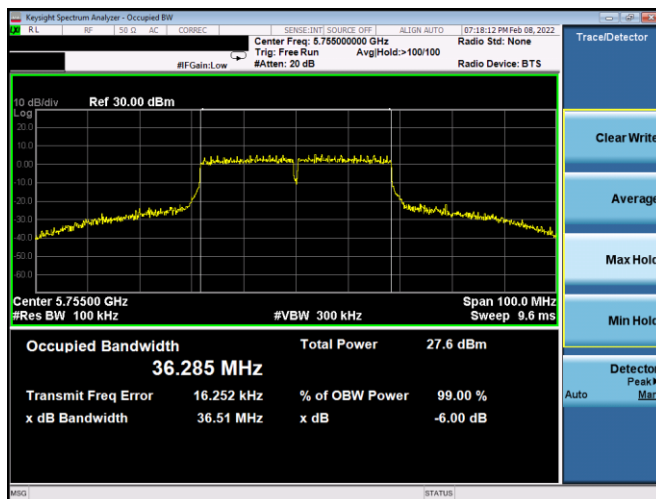
Plot 7-196. 6dB BW & 99% OBW Antenna 1B (40MHz BW 802.11ax(SU) – Ch. 151, MCS5)



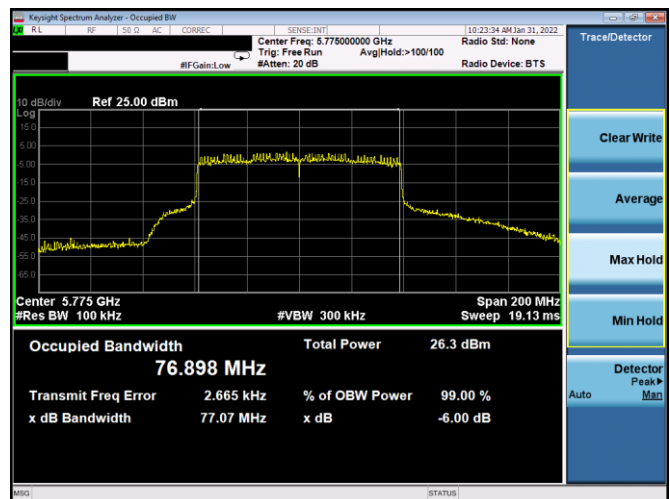
Plot 7-194. 6dB BW & 99% OBW Antenna 1B (20MHz BW 802.11ax(SU) – Ch. 157, MCS5)



Plot 7-197. 6dB BW & 99% OBW Antenna 1B (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-195. 6dB BW & 99% OBW Antenna 1B (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-198. 6dB BW & 99% OBW Antenna 1B (80MHz BW 802.11ax(SU) – Ch. 155, MCS5)

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Antenna 3A 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	6.5/7.2 (MCS0)	17.62	16.93	0.50	Pass
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	17.63	17.16	0.50	Pass
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	17.67	17.32	0.50	Pass
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	18.86	18.83	0.50	Pass
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	18.90	18.80	0.50	Pass
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	18.90	18.91	0.50	Pass
	5755	151	n (40MHz)	13.5/15 (MCS0)	36.05	35.82	0.50	Pass
	5795	159	n (40MHz)	13.5/15 (MCS0)	36.08	35.48	0.50	Pass
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	37.85	38.23	0.50	Pass
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	37.89	38.20	0.50	Pass
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	75.31	75.48	0.50	Pass
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	77.01	76.82	0.50	Pass

Table 7-17. Conducted Bandwidth Measurements Antenna 3A (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	26/28.9 (MCS3)	17.63	16.77	0.50	Pass
	5785	157	n (20MHz)	26/28.9 (MCS3)	17.64	16.91	0.50	Pass
	5825	165	n (20MHz)	26/28.9 (MCS3)	17.66	16.99	0.50	Pass
	5745	149	ax (SU) (20MHz)	33/34.4 (MCS3)	18.89	18.88	0.50	Pass
	5785	157	ax (SU) (20MHz)	33/34.4 (MCS3)	18.91	18.66	0.50	Pass
	5825	165	ax (SU) (20MHz)	33/34.4 (MCS3)	18.89	18.89	0.50	Pass
	5755	151	n (40MHz)	54/60 (MCS3)	36.09	35.38	0.50	Pass
	5795	159	n (40MHz)	54/60 (MCS3)	36.09	35.86	0.50	Pass
	5755	151	ax (SU) (40MHz)	65/68.8 (MCS3)	37.88	38.20	0.50	Pass
	5795	159	ax (SU) (40MHz)	65/68.8 (MCS3)	37.86	38.13	0.50	Pass
	5775	155	ac (80MHz)	117/130 (MCS3)	75.28	75.48	0.50	Pass
	5775	155	ax (SU) (80MHz)	136/144.1 (MCS3)	76.94	77.16	0.50	Pass

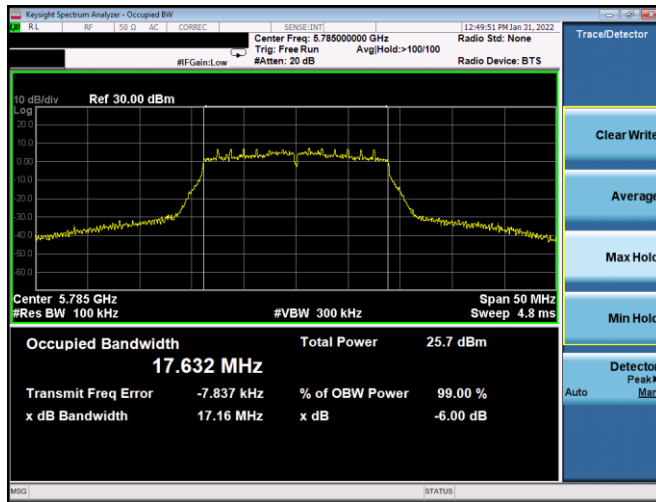
Table 7-18. Conducted Bandwidth Measurements Antenna 3A (Mid Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	52/57.8 (MCS5)	17.62	17.30	0.50	Pass
	5785	157	n (20MHz)	52/57.8 (MCS5)	17.65	17.29	0.50	Pass
	5825	165	n (20MHz)	52/57.8 (MCS5)	17.67	17.02	0.50	Pass
	5745	149	ax (SU) (20MHz)	65/68.8 (MCS5)	18.89	18.65	0.50	Pass
	5785	157	ax (SU) (20MHz)	65/68.8 (MCS5)	18.91	18.85	0.50	Pass
	5825	165	ax (SU) (20MHz)	65/68.8 (MCS5)	18.90	18.71	0.50	Pass
	5755	151	n (40MHz)	108/120 (MCS5)	36.09	35.43	0.50	Pass
	5795	159	n (40MHz)	108/120 (MCS5)	36.09	35.47	0.50	Pass
	5755	151	ax (SU) (40MHz)	130/137.6 (MCS5)	37.89	38.21	0.50	Pass
	5795	159	ax (SU) (40MHz)	130/137.6 (MCS5)	37.87	38.01	0.50	Pass
	5775	155	ac (80MHz)	234/260 (MCS5)	75.28	75.49	0.50	Pass
	5775	155	ax (SU) (80MHz)	272/288.2 (MCS5)	76.84	75.96	0.50	Pass

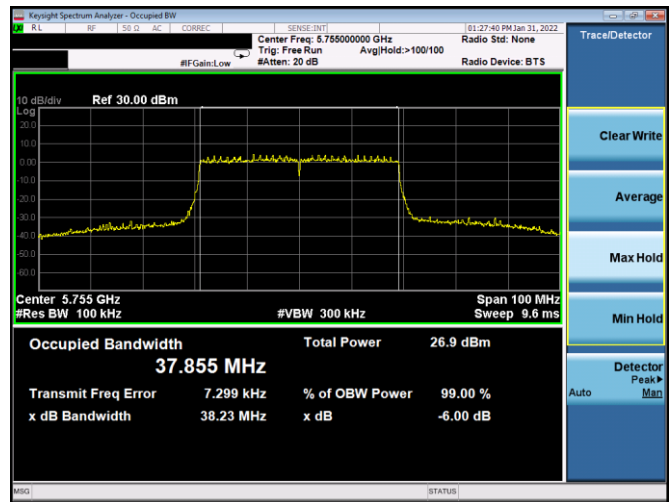
Table 7-19. Conducted Bandwidth Measurements Antenna 3A (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 67 of 564

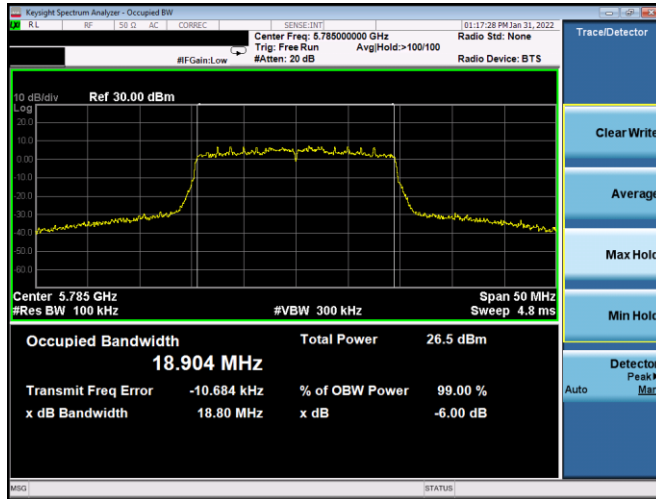
Low Data Rate



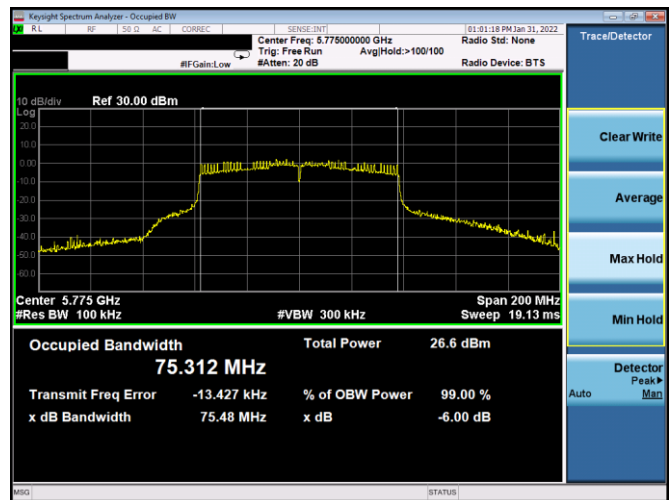
Plot 7-199. 6dB BW & 99% OBW Antenna 3A (20MHz BW 802.11n – Ch. 157, MCS0)



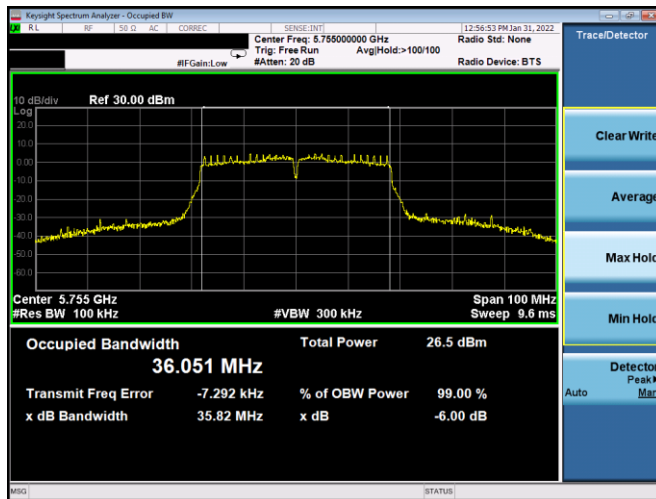
Plot 7-202. 6dB BW & 99% OBW Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)



Plot 7-200. 6dB BW & 99% OBW Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)



Plot 7-203. 6dB BW & 99% OBW Antenna 3A (80MHz BW 802.11ac – Ch. 155, MCS0)



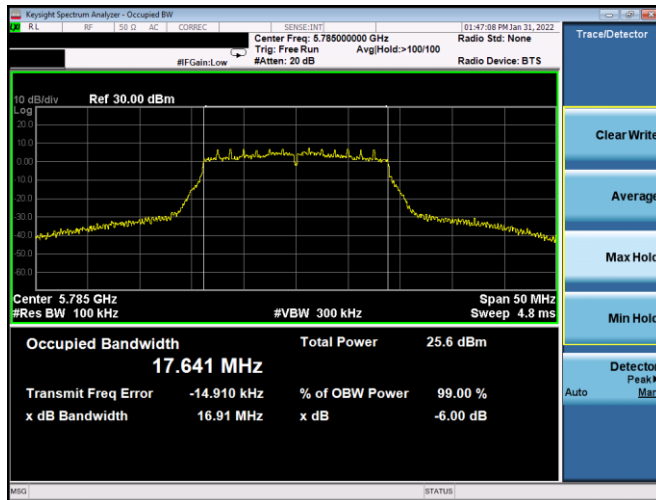
Plot 7-201. 6dB BW & 99% OBW Antenna 3A (40MHz BW 802.11n – Ch. 151, MCS0)



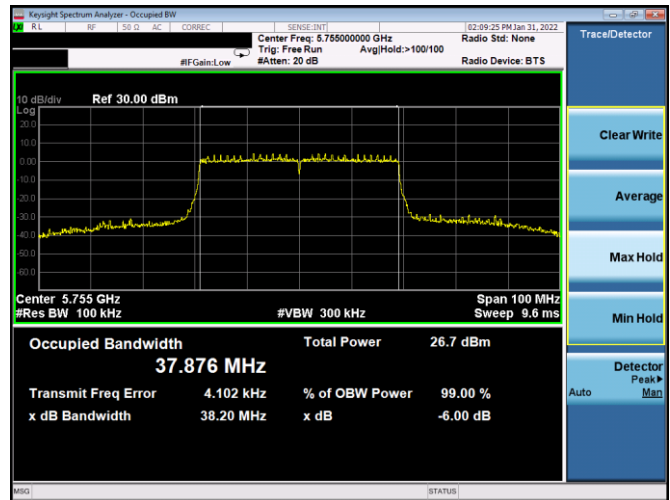
Plot 7-204. 6dB BW & 99% OBW Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 155, MCS0)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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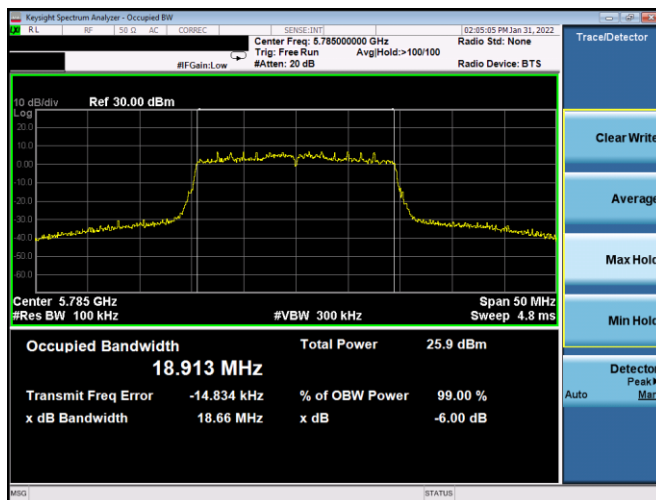
Mid Data Rate



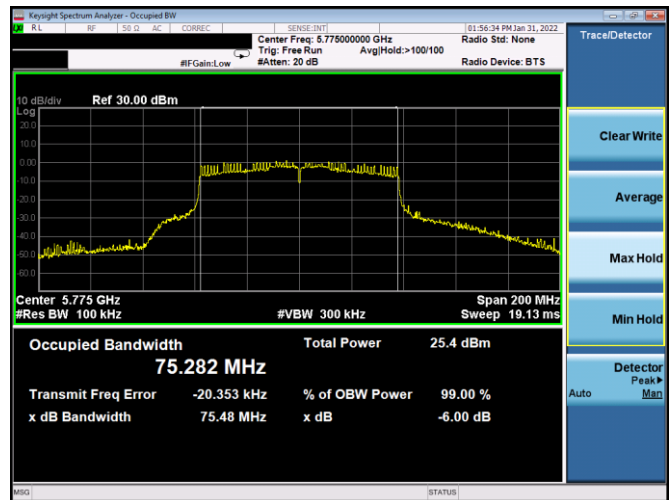
Plot 7-205. 6dB BW & 99% OBW Antenna 3A (20MHz BW 802.11n – Ch. 157, MCS3)



Plot 7-208. 6dB BW & 99% OBW Antenna 3A (40MHz BW 802.11ax (SU) – Ch. 151, MCS3)



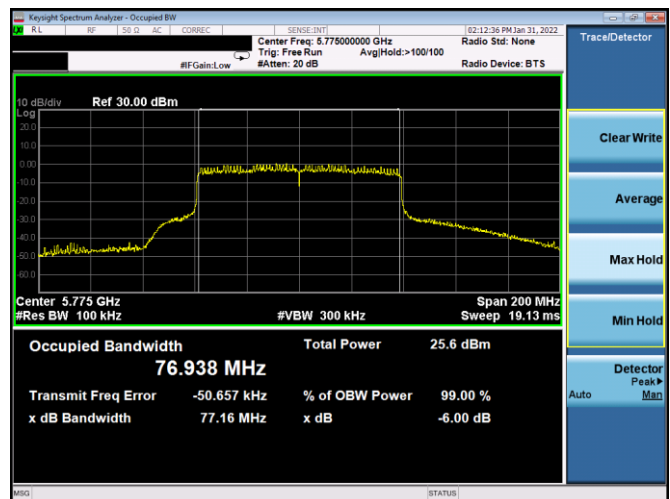
Plot 7-206. 6dB BW & 99% OBW Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 157, MCS3)



Plot 7-209. 6dB BW & 99% OBW Antenna 3A (80MHz BW 802.11ac – Ch. 155, MCS3)



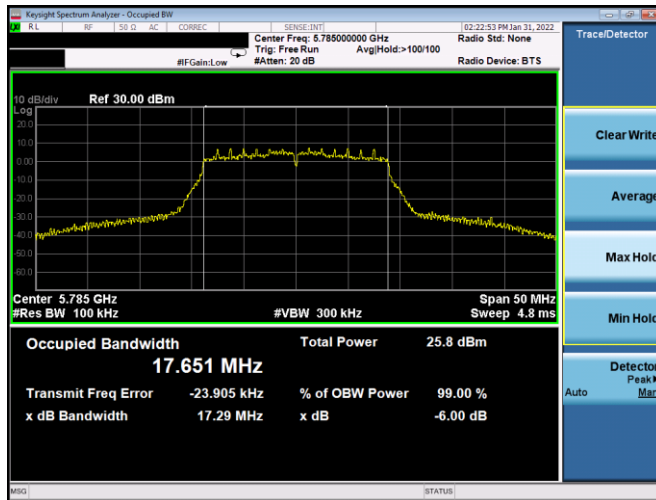
Plot 7-207. 6dB BW & 99% OBW Antenna 3A (40MHz BW 802.11n – Ch. 151, MCS3)



Plot 7-210. 6dB BW & 99% OBW Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 155, MCS3)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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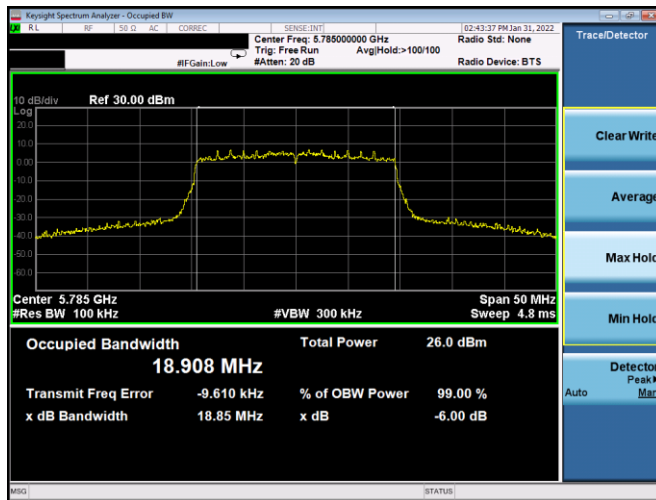
High Data Rate



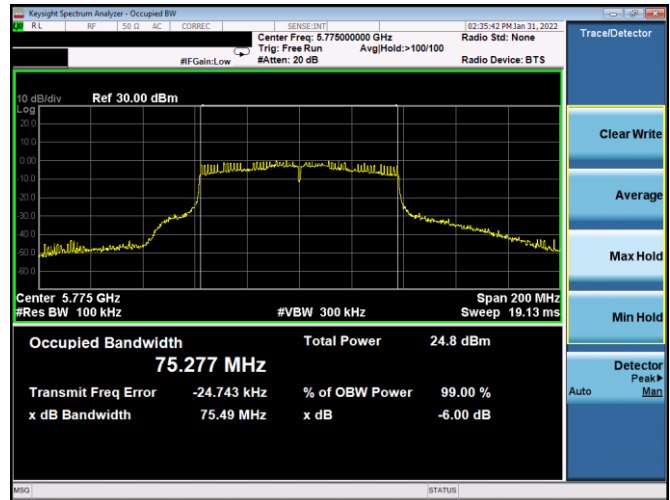
Plot 7-211. 6dB BW & 99% OBW Antenna 3A (20MHz BW 802.11n – Ch. 157, MCS5)



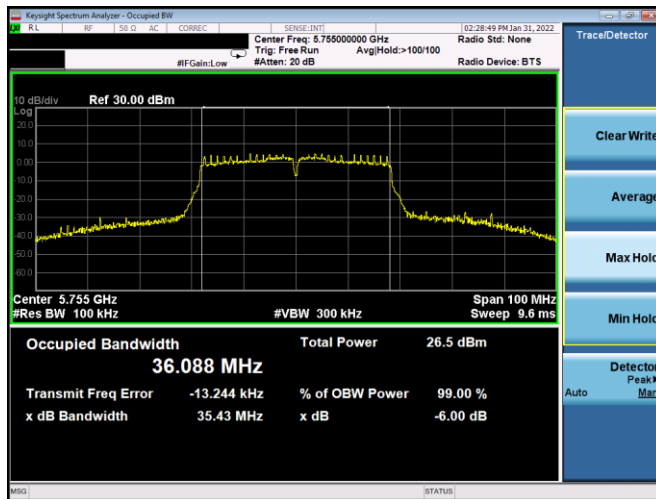
Plot 7-214. 6dB BW & 99% OBW Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 151, MCS5)



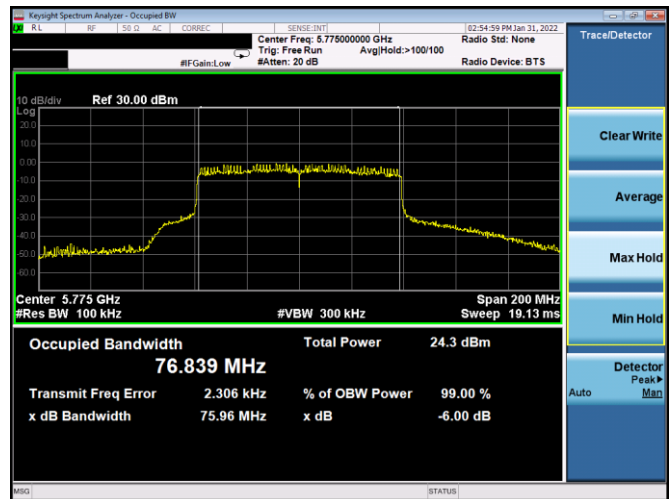
Plot 7-212. 6dB BW & 99% OBW Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 157, MCS5)



Plot 7-215. 6dB BW & 99% OBW Antenna 3A (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-213. 6dB BW & 99% OBW Antenna 3A (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-216. 6dB BW & 99% OBW Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 155, MCS5)

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7.4 Conducted Output Power and Max EIRP Measurement – 802.11a/n/ac

§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 $11 \text{ dBm} + 10\log_{10}(26\text{dB BW}) = 11 \text{ dBm} + 10\log_{10}(20.60) = 24.13 \text{ dBm}$. 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 $11 \text{ dBm} + 10\log_{10}(26\text{dB BW}) = 11 \text{ dBm} + 10\log_{10}(20.62\text{#VALUE!}) = 24.14 \text{ #VALUE!dBm}$. 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 – Section 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E3)b) Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E1) 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

- 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.

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7.4.1 FCC Antenna 2B Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	18.71	18.70	17.23	23.98	-5.27
	5200	40	AVG	18.92	18.92	18.88	23.98	-5.06
	5240	48	AVG	18.97	18.94	18.88	23.98	-5.01
	5260	52	AVG	19.00	18.98	18.92	23.98	-4.98
	5300	60	AVG	19.00	18.97	18.81	23.98	-4.98
	5320	64	AVG	18.92	19.00	18.35	23.98	-4.98
	5500	100	AVG	18.45	18.50	17.38	23.98	-5.48
	5520	104	AVG	18.97	18.75	18.95	23.98	-5.01
	5580	116	AVG	18.93	18.88	18.99	23.98	-5.05
	5680	136	AVG	18.82	19.00	18.92	23.98	-4.98
	5700	140	AVG	16.50	16.37	15.25	23.98	-7.48
	5720	144	AVG	18.88	18.96	18.91	23.98	-5.02
	5745	149	AVG	20.00	20.00	20.00	30.00	-10.00
	5785	157	AVG	19.96	20.00	19.91	30.00	-10.00
	5825	165	AVG	19.96	20.00	19.85	30.00	-10.00

Table 7-20. FCC Antenna 2B 20MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.65	17.74	16.74	23.98	-6.24
	5200	40	AVG	19.00	18.99	18.95	23.98	-4.98
	5240	48	AVG	18.99	19.00	19.00	23.98	-4.98
	5260	52	AVG	19.00	19.00	18.91	23.98	-4.98
	5300	60	AVG	18.95	18.98	18.90	23.98	-5.00
	5320	64	AVG	18.44	18.50	17.50	23.98	-5.48
	5500	100	AVG	16.99	16.96	16.44	23.98	-6.99
	5520	104	AVG	19.00	18.88	19.00	23.98	-4.98
	5580	116	AVG	19.00	18.99	18.93	23.98	-4.98
	5680	136	AVG	19.00	18.88	18.97	23.98	-4.98
	5700	140	AVG	15.10	15.11	14.70	23.98	-8.87
	5720	144	AVG	19.00	19.00	18.91	23.98	-4.98
	5745	149	AVG	19.97	20.00	19.98	30.00	-10.00
	5785	157	AVG	19.95	19.99	20.00	30.00	-10.01
	5825	165	AVG	19.91	20.00	19.95	30.00	-10.00

Table 7-21. FCC Antenna 2B 20MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.14	17.25	16.50	23.98	-6.73
	5200	40	AVG	18.84	18.90	19.00	23.98	-5.08
	5240	48	AVG	18.98	18.99	19.00	23.98	-4.99
	5260	52	AVG	19.00	19.00	19.00	23.98	-4.98
	5300	60	AVG	18.85	19.00	18.90	23.98	-4.98
	5320	64	AVG	17.42	17.48	17.00	23.98	-6.50
	5500	100	AVG	15.88	15.98	15.45	23.98	-8.00
	5520	104	AVG	18.88	19.00	18.94	23.98	-4.98
	5580	116	AVG	18.83	18.85	19.00	23.98	-5.13
	5680	136	AVG	18.98	18.98	19.00	23.98	-5.00
	5700	140	AVG	13.65	13.65	13.69	23.98	-10.33
	5720	144	AVG	18.85	18.81	19.00	23.98	-5.13
	5745	149	AVG	19.96	19.85	20.00	30.00	-10.04
	5785	157	AVG	19.78	20.00	19.97	30.00	-10.00
	5825	165	AVG	19.94	20.00	19.93	30.00	-10.00

Table 7-22. FCC Antenna 2B 20MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	16.41	15.70	23.98	-7.57
	5230	46	AVG	19.97	19.57	23.98	-4.01
	5270	54	AVG	20.00	19.96	23.98	-3.98
	5310	62	AVG	16.25	15.00	23.98	-7.73
	5510	102	AVG	16.00	14.26	23.98	-7.98
	5550	110	AVG	20.00	20.00	23.98	-3.98
	5590	118	AVG	19.95	20.00	23.98	-4.03
	5630	126	AVG	20.00	19.98	23.98	-3.98
	5670	134	AVG	18.00	16.75	23.98	-5.98
	5710	142	AVG	19.91	19.90	23.98	-4.07
	5755	151	AVG	20.00	20.00	30.00	-10.00
	5795	159	AVG	20.00	20.00	30.00	-10.00

Table 7-23. FCC Antenna 2B 40MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C211150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device		Page 73 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	15.41	14.75	23.98	-8.57
	5230	46	AVG	19.87	20.00	23.98	-4.11
	5270	54	AVG	19.96	20.00	23.98	-4.02
	5310	62	AVG	15.60	14.50	23.98	-8.38
	5510	102	AVG	14.70	13.88	23.98	-9.28
	5550	110	AVG	20.00	19.25	23.98	-3.98
	5590	118	AVG	19.98	20.00	23.98	-4.00
	5630	126	AVG	19.97	20.00	23.98	-4.01
	5670	134	AVG	17.50	16.48	23.98	-6.48
	5710	142	AVG	20.00	20.00	23.98	-3.98
	5755	151	AVG	20.00	19.99	30.00	-10.00
	5795	159	AVG	19.98	20.00	30.00	-10.02

Table 7-24. FCC Antenna 2B 40MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.50	13.85	23.98	-9.48
	5230	46	AVG	20.00	19.38	23.98	-3.98
	5270	54	AVG	19.91	19.66	23.98	-4.07
	5310	62	AVG	15.00	13.99	23.98	-8.98
	5510	102	AVG	13.20	12.98	23.98	-10.78
	5550	110	AVG	19.48	19.00	23.98	-4.50
	5590	118	AVG	19.90	19.92	23.98	-4.08
	5630	126	AVG	19.90	19.98	23.98	-4.08
	5670	134	AVG	16.48	16.00	23.98	-7.50
	5710	142	AVG	19.87	20.00	23.98	-4.11
	5755	151	AVG	19.97	19.88	30.00	-10.03
	5795	159	AVG	20.00	19.90	30.00	-10.00

Table 7-25. FCC Antenna 2B 40MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 74 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	16.20	15.00	23.98	-7.78
	5290	58	AVG	14.70	13.94	23.98	-9.28
	5530	106	AVG	15.94	15.00	23.98	-8.04
	5610	122	AVG	19.25	18.43	23.98	-4.73
	5690	138	AVG	19.72	20.00	23.98	-4.26
	5775	155	AVG	19.25	19.00	30.00	-10.75

Table 7-26. FCC Antenna 2B 80MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	15.20	14.25	23.98	-8.78
	5290	58	AVG	14.15	13.26	23.98	-9.83
	5530	106	AVG	14.40	14.00	23.98	-9.58
	5610	122	AVG	18.90	17.91	23.98	-5.08
	5690	138	AVG	19.99	19.95	23.98	-3.99
	5775	155	AVG	18.20	18.00	30.00	-11.80

Table 7-27. FCC Antenna 2B 80MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	14.50	14.00	23.98	-9.48
	5290	58	AVG	13.75	12.95	23.98	-10.23
	5530	106	AVG	13.40	13.00	23.98	-10.58
	5610	122	AVG	17.80	17.37	23.98	-6.18
	5690	138	AVG	20.00	20.00	23.98	-3.98
	5775	155	AVG	17.75	17.50	30.00	-12.25

Table 7-28. FCC Antenna 2B 80MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 75 of 564

7.4.2 ISED Antenna 2B Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.72	15.75	15.75	-	-	-1.10	14.65	23.01	-8.36
	5200	40	AVG	15.75	15.75	15.75	-	-	-1.10	14.65	23.01	-8.36
	5240	48	AVG	15.69	15.65	15.75	-	-	-1.10	14.59	23.01	-8.42
	5260	52	AVG	19.00	18.98	18.92	23.98	-4.98	0.90	19.90	30.00	-10.10
	5300	60	AVG	19.00	18.97	18.81	23.98	-4.98	0.90	19.90	30.00	-10.10
	5320	64	AVG	18.92	19.00	18.35	23.98	-4.98	0.90	19.90	30.00	-10.10
	5500	100	AVG	18.45	18.50	17.38	23.98	-5.48	0.30	18.80	30.00	-11.20
	5520	104	AVG	18.97	18.75	18.95	23.98	-5.01	0.30	19.27	30.00	-10.73
	5580	116	AVG	18.93	18.88	18.99	23.98	-5.05	0.30	19.23	30.00	-10.77
	5680	136	AVG	18.82	19.00	18.92	23.98	-4.98	0.30	19.30	30.00	-10.70
	5700	140	AVG	16.50	16.37	15.25	23.98	-7.48	0.30	16.80	30.00	-13.20
	5720	144	AVG	18.88	18.96	18.91	23.98	-5.02	0.30	19.26	30.00	-10.74
	5745	149	AVG	20.00	20.00	20.00	30.00	-10.00	-1.20	18.80	-	-
	5785	157	AVG	19.96	20.00	19.91	30.00	-10.00	-1.20	18.80	-	-
	5825	165	AVG	19.96	20.00	19.85	30.00	-10.00	-1.20	18.80	-	-

Table 7-29. ISED Antenna 2B 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.66	15.59	15.73	-	-	-1.10	14.56	23.01	-8.45
	5200	40	AVG	15.75	15.74	15.52	-	-	-1.10	14.65	23.01	-8.36
	5240	48	AVG	15.75	15.61	15.68	-	-	-1.10	14.65	23.01	-8.36
	5260	52	AVG	19.00	19.00	18.91	23.98	-4.98	0.90	19.90	30.00	-10.10
	5300	60	AVG	18.95	18.98	18.90	23.98	-5.00	0.90	19.88	30.00	-10.12
	5320	64	AVG	18.44	18.50	17.50	23.98	-5.48	0.90	19.40	30.00	-10.60
	5500	100	AVG	16.99	16.96	16.44	23.98	-6.99	0.30	17.29	30.00	-12.71
	5520	104	AVG	19.00	18.88	19.00	23.98	-4.98	0.30	19.30	30.00	-10.70
	5580	116	AVG	19.00	18.99	18.93	23.98	-4.98	0.30	19.30	30.00	-10.70
	5680	136	AVG	19.00	18.88	18.97	23.98	-4.98	0.30	19.30	30.00	-10.70
	5700	140	AVG	15.10	15.11	14.70	23.98	-8.87	0.30	15.41	30.00	-14.59
	5720	144	AVG	19.00	19.00	18.91	23.98	-4.98	0.30	19.30	30.00	-10.70
	5745	149	AVG	19.97	20.00	19.98	30.00	-10.00	-1.20	18.80	-	-
	5785	157	AVG	19.95	19.99	20.00	30.00	-10.01	-1.20	18.79	-	-
	5825	165	AVG	19.91	20.00	19.95	30.00	-10.00	-1.20	18.80	-	-

Table 7-30. ISED Antenna 2B 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.68	15.60	15.54	-	-	-1.10	14.58	23.01	-8.43
	5200	40	AVG	15.50	15.75	15.59	-	-	-1.10	14.65	23.01	-8.36
	5240	48	AVG	15.66	15.68	15.63	-	-	-1.10	14.58	23.01	-8.43
	5260	52	AVG	19.00	19.00	19.00	23.98	-4.98	0.90	19.90	30.00	-10.10
	5300	60	AVG	18.85	19.00	18.90	23.98	-4.98	0.90	19.90	30.00	-10.10
	5320	64	AVG	17.42	17.48	17.00	23.98	-6.50	0.90	18.38	30.00	-11.62
	5500	100	AVG	15.88	15.98	15.45	23.98	-8.00	0.30	16.28	30.00	-13.72
	5520	104	AVG	18.88	19.00	18.94	23.98	-4.98	0.30	19.30	30.00	-10.70
	5580	116	AVG	18.83	18.85	19.00	23.98	-5.13	0.30	19.15	30.00	-10.85
	5680	136	AVG	18.98	18.98	19.00	23.98	-5.00	0.30	19.28	30.00	-10.72
	5700	140	AVG	13.65	13.65	13.69	23.98	-10.33	0.30	13.95	30.00	-16.05
	5720	144	AVG	18.85	18.81	19.00	23.98	-5.13	0.30	19.15	30.00	-10.85
	5745	149	AVG	19.96	19.85	20.00	30.00	-10.04	-1.20	18.76	-	-
	5785	157	AVG	19.78	20.00	19.97	30.00	-10.00	-1.20	18.80	-	-
	5825	165	AVG	19.94	20.00	19.93	30.00	-10.00	-1.20	18.80	-	-

Table 7-31. ISED Antenna 2B 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 76 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	16.41	15.70	-	-	-1.10	15.31	23.01	-7.70
	5230	46	AVG	19.97	19.57	-	-	-1.10	18.87	23.01	-4.14
	5270	54	AVG	20.00	19.96	23.98	-3.98	0.90	20.90	30.00	-9.10
	5310	62	AVG	16.25	15.00	23.98	-7.73	0.90	17.15	30.00	-12.85
	5510	102	AVG	16.00	14.23	23.98	-7.98	0.30	16.30	30.00	-13.70
	5550	110	AVG	20.00	20.00	23.98	-3.98	0.30	20.30	30.00	-9.70
	5670	134	AVG	18.00	16.75	23.98	-5.98	0.30	18.30	30.00	-11.70
	5710	142	AVG	19.91	19.90	23.98	-4.07	0.30	20.21	30.00	-9.79
	5755	151	AVG	20.00	20.00	30.00	-10.00	-1.20	18.80	-	-
	5795	159	AVG	20.00	20.00	30.00	-10.00	-1.20	18.80	-	-

Table 7-32. ISED Antenna 2B 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	15.41	14.75	-	-	-1.10	14.31	23.01	-8.70
	5230	46	AVG	19.87	20.00	-	-	-1.10	18.77	23.01	-4.24
	5270	54	AVG	19.96	20.00	23.98	-4.02	0.90	20.86	30.00	-9.14
	5310	62	AVG	15.60	14.50	23.98	-8.38	0.90	16.50	30.00	-13.50
	5510	102	AVG	14.70	13.88	23.98	-9.28	0.30	15.00	30.00	-15.00
	5550	110	AVG	20.00	19.25	23.98	-3.98	0.30	20.30	30.00	-9.70
	5670	134	AVG	17.50	16.48	23.98	-6.48	0.30	17.80	30.00	-12.20
	5710	142	AVG	20.00	20.00	23.98	-3.98	0.30	20.30	30.00	-9.70
	5755	151	AVG	20.00	19.99	30.00	-10.00	-1.20	18.80	-	-
	5795	159	AVG	19.98	20.00	30.00	-10.02	-1.20	18.78	-	-

Table 7-33. ISED Antenna 2B 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	14.50	13.85	-	-	-1.10	13.40	23.01	-9.61
	5230	46	AVG	20.00	19.38	-	-	-1.10	18.90	23.01	-4.11
	5270	54	AVG	19.91	19.66	23.98	-4.07	0.90	20.81	30.00	-9.19
	5310	62	AVG	15.00	13.99	23.98	-8.98	0.90	15.90	30.00	-14.10
	5510	102	AVG	13.20	12.98	23.98	-10.78	0.30	13.50	30.00	-16.50
	5550	110	AVG	19.48	19.00	23.98	-4.50	0.30	19.78	30.00	-10.22
	5670	134	AVG	16.48	16.00	23.98	-7.50	0.30	16.78	30.00	-13.22
	5710	142	AVG	19.87	20.00	23.98	-4.11	0.30	20.17	30.00	-9.83
	5755	151	AVG	19.97	19.88	30.00	-10.03	-1.20	18.77	-	-
	5795	159	AVG	20.00	19.90	30.00	-10.00	-1.20	18.80	-	-

Table 7-34. ISED Antenna 2B 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	16.20	15.00	-	-	-1.10	15.10	23.01	-7.91
	5290	58	AVG	14.70	13.94	23.98	-9.28	0.90	15.60	30.00	-14.40
	5530	106	AVG	15.94	15.00	23.98	-8.04	0.30	16.24	30.00	-13.76
	5690	138	AVG	19.72	20.00	23.98	-4.26	0.30	20.02	30.00	-9.98
	5775	155	AVG	19.25	19.00	30.00	-10.75	-1.20	18.05	-	-

Table 7-35. ISED Antenna 2B 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 77 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	15.20	14.25	-	-	-1.10	14.10	23.01	-8.91
	5290	58	AVG	14.15	13.21	23.98	-9.83	0.90	15.05	30.00	-14.95
	5530	106	AVG	14.40	14.00	23.98	-9.58	0.30	14.70	30.00	-15.30
	5690	138	AVG	19.99	19.95	23.98	-3.99	0.30	20.29	30.00	-9.71
	5775	155	AVG	18.20	18.00	30.00	-11.80	-1.20	17.00	-	-

Table 7-36. ISSED Antenna 2B 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	14.50	14.00	-	-	-1.10	13.40	23.01	-9.61
	5290	58	AVG	13.75	12.95	23.98	-10.23	0.90	14.65	30.00	-15.35
	5530	106	AVG	13.40	13.00	23.98	-10.58	0.30	13.70	30.00	-16.30
	5690	138	AVG	20.00	20.00	23.98	-3.98	0.30	20.30	30.00	-9.70
	5775	155	AVG	17.75	17.50	30.00	-12.25	-1.20	16.55	-	-

Table 7-37. ISSED Antenna 2B 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 78 of 564

7.4.3 FCC Antenna 1B Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	18.80	18.77	17.29	23.98	-5.18
	5200	40	AVG	19.00	19.00	18.73	23.98	-4.98
	5240	48	AVG	19.00	18.92	19.00	23.98	-4.98
	5260	52	AVG	18.89	18.95	18.88	23.98	-5.03
	5300	60	AVG	18.86	18.98	18.92	23.98	-5.00
	5320	64	AVG	18.74	18.70	18.37	23.98	-5.24
	5500	100	AVG	18.48	18.45	17.40	23.98	-5.50
	5520	104	AVG	18.93	19.00	18.84	23.98	-4.98
	5580	116	AVG	19.00	18.85	19.00	23.98	-4.98
	5680	136	AVG	18.80	18.97	18.99	23.98	-5.01
	5700	140	AVG	16.44	16.40	15.28	23.98	-7.54
	5720	144	AVG	18.89	18.93	18.93	23.98	-5.05
	5745	149	AVG	19.99	19.82	19.95	30.00	-10.01
	5785	157	AVG	19.86	20.00	19.99	30.00	-10.00
	5825	165	AVG	19.81	19.94	19.85	30.00	-10.06

Table 7-38. FCC Antenna 1B 20MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.74	17.64	16.72	23.98	-6.24
	5200	40	AVG	18.98	18.99	19.00	23.98	-4.99
	5240	48	AVG	19.00	19.00	18.97	23.98	-4.98
	5260	52	AVG	19.00	18.96	18.98	23.98	-4.98
	5300	60	AVG	18.97	18.87	19.00	23.98	-5.01
	5320	64	AVG	18.49	18.41	17.48	23.98	-5.49
	5500	100	AVG	16.97	17.00	16.32	23.98	-6.98
	5520	104	AVG	18.89	19.00	19.00	23.98	-4.98
	5580	116	AVG	18.92	18.98	18.97	23.98	-5.00
	5680	136	AVG	19.00	19.00	18.99	23.98	-4.98
	5700	140	AVG	15.20	15.11	14.75	23.98	-8.78
	5720	144	AVG	18.96	18.95	18.95	23.98	-5.02
	5745	149	AVG	20.00	19.91	19.94	30.00	-10.00
	5785	157	AVG	19.98	19.94	19.91	30.00	-10.02
	5825	165	AVG	20.00	20.00	19.91	30.00	-10.00

Table 7-39. FCC Antenna 1B 20MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device		Page 79 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.25	17.25	16.49	23.98	-6.73
	5200	40	AVG	18.99	19.00	18.88	23.98	-4.98
	5240	48	AVG	18.91	18.90	18.92	23.98	-5.07
	5260	52	AVG	18.90	18.90	19.00	23.98	-5.08
	5300	60	AVG	19.00	19.00	18.85	23.98	-4.98
	5320	64	AVG	17.30	17.35	16.90	23.98	-6.63
	5500	100	AVG	15.91	16.00	15.41	23.98	-7.98
	5520	104	AVG	18.91	19.00	18.82	23.98	-4.98
	5580	116	AVG	19.00	18.91	18.83	23.98	-4.98
	5680	136	AVG	18.92	19.00	18.83	23.98	-4.98
	5700	140	AVG	13.60	13.69	13.60	23.98	-10.29
	5720	144	AVG	18.99	19.00	18.85	23.98	-4.98
	5745	149	AVG	19.99	20.00	19.86	30.00	-10.00
	5785	157	AVG	19.94	19.93	19.92	30.00	-10.06
	5825	165	AVG	19.88	19.90	19.89	30.00	-10.10

Table 7-40. FCC Antenna 1B 20MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	16.45	15.73	23.98	-7.53
	5230	46	AVG	20.00	19.50	23.98	-3.98
	5270	54	AVG	19.92	20.00	23.98	-4.06
	5310	62	AVG	16.25	14.98	23.98	-7.73
	5510	102	AVG	15.82	14.25	23.98	-8.16
	5550	110	AVG	20.00	20.00	23.98	-3.98
	5590	118	AVG	19.96	20.00	23.98	-4.02
	5630	126	AVG	19.95	20.00	23.98	-4.03
	5670	134	AVG	17.91	16.75	23.98	-6.07
	5710	142	AVG	19.86	19.97	23.98	-4.12
	5755	151	AVG	19.93	19.98	30.00	-10.07
	5795	159	AVG	19.95	19.99	30.00	-10.05

Table 7-41. FCC Antenna 1B 40MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C211150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 80 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	15.44	14.76	23.98	-8.54
	5230	46	AVG	19.83	20.00	23.98	-4.15
	5270	54	AVG	20.00	19.99	23.98	-3.98
	5310	62	AVG	15.67	14.50	23.98	-8.31
	5510	102	AVG	14.66	14.00	23.98	-9.32
	5550	110	AVG	19.98	19.25	23.98	-4.00
	5590	118	AVG	20.00	20.00	23.98	-3.98
	5630	126	AVG	20.00	20.00	23.98	-3.98
	5670	134	AVG	17.47	16.25	23.98	-6.51
	5710	142	AVG	20.00	20.00	23.98	-3.98
	5755	151	AVG	20.00	19.90	30.00	-10.00
	5795	159	AVG	20.00	19.91	30.00	-10.00

Table 7-42. FCC Antenna 1B 40MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.43	14.00	23.98	-9.55
	5230	46	AVG	20.00	19.42	23.98	-3.98
	5270	54	AVG	19.89	19.75	23.98	-4.09
	5310	62	AVG	15.00	13.98	23.98	-8.98
	5510	102	AVG	13.20	12.92	23.98	-10.78
	5550	110	AVG	19.38	19.00	23.98	-4.60
	5590	118	AVG	19.88	20.00	23.98	-4.10
	5630	126	AVG	19.98	19.89	23.98	-4.00
	5670	134	AVG	16.49	15.81	23.98	-7.49
	5710	142	AVG	19.98	20.00	23.98	-4.00
	5755	151	AVG	19.99	20.00	30.00	-10.01
	5795	159	AVG	20.00	19.95	30.00	-10.00

Table 7-43. FCC Antenna 1B 40MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 81 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	16.10	14.87	23.98	-7.88
	5290	58	AVG	14.70	14.00	23.98	-9.28
	5530	106	AVG	15.93	14.93	23.98	-8.05
	5610	122	AVG	19.25	18.45	23.98	-4.73
	5690	138	AVG	19.75	19.98	23.98	-4.23
	5775	155	AVG	19.28	18.94	30.00	-10.72

Table 7-44. FCC Antenna 1B 80MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	15.25	14.30	23.98	-8.73
	5290	58	AVG	14.20	13.40	23.98	-9.78
	5530	106	AVG	14.20	14.00	23.98	-9.78
	5610	122	AVG	18.95	17.90	23.98	-5.03
	5690	138	AVG	19.90	19.95	23.98	-4.08
	5775	155	AVG	18.36	17.97	30.00	-11.64

Table 7-45. FCC Antenna 1B 80MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	14.40	14.00	23.98	-9.58
	5290	58	AVG	13.75	12.85	23.98	-10.23
	5530	106	AVG	13.50	12.90	23.98	-10.48
	5610	122	AVG	18.00	17.50	23.98	-5.98
	5690	138	AVG	20.00	20.00	23.98	-3.98
	5775	155	AVG	17.65	17.50	30.00	-12.35

Table 7-46. FCC Antenna 1B 80MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 82 of 564

7.4.4 ISED Antenna 1B Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.67	15.62	15.75	-	-	-0.10	15.57	23.01	-7.44
	5200	40	AVG	15.75	15.75	15.66	-	-	-0.10	15.65	23.01	-7.36
	5240	48	AVG	15.75	15.75	15.70	-	-	-0.10	15.65	23.01	-7.36
	5260	52	AVG	18.89	18.95	18.88	23.98	-5.03	-0.70	18.25	30.00	-11.75
	5300	60	AVG	18.86	18.98	18.92	23.98	-5.00	-0.70	18.28	30.00	-11.72
	5320	64	AVG	18.74	18.70	18.37	23.98	-5.24	-0.70	18.04	30.00	-11.96
	5500	100	AVG	18.48	18.45	17.40	23.98	-5.50	1.10	19.58	30.00	-10.42
	5520	104	AVG	18.93	19.00	18.84	23.98	-4.98	1.10	20.10	30.00	-9.90
	5580	116	AVG	19.00	18.85	19.00	23.98	-4.98	1.10	20.10	30.00	-9.90
	5680	136	AVG	18.80	18.97	18.99	23.98	-5.01	1.10	20.07	30.00	-9.93
	5700	140	AVG	16.44	16.40	15.28	23.98	-7.54	1.10	17.54	30.00	-12.46
	5720	144	AVG	18.89	18.93	18.93	23.98	-5.05	1.10	20.03	30.00	-9.97
	5745	149	AVG	19.99	19.82	19.95	30.00	-10.01	1.10	21.09	-	-
	5785	157	AVG	19.86	20.00	19.99	30.00	-10.00	1.10	21.10	-	-
	5825	165	AVG	19.81	19.94	19.85	30.00	-10.06	1.10	21.04	-	-

Table 7-47. ISED Antenna 1B 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.75	15.60	15.67	-	-	-0.10	15.65	23.01	-7.36
	5200	40	AVG	15.75	15.61	15.75	-	-	-0.10	15.65	23.01	-7.36
	5240	48	AVG	15.75	15.74	15.74	-	-	-0.10	15.65	23.01	-7.36
	5260	52	AVG	19.00	18.96	18.98	23.98	-4.98	-0.70	18.30	30.00	-11.70
	5300	60	AVG	18.97	18.87	19.00	23.98	-5.01	-0.70	18.27	30.00	-11.73
	5320	64	AVG	18.49	18.41	17.48	23.98	-5.49	-0.70	17.79	30.00	-12.21
	5500	100	AVG	16.97	17.00	16.32	23.98	-6.98	1.10	18.10	30.00	-11.90
	5520	104	AVG	18.89	19.00	19.00	23.98	-4.98	1.10	20.10	30.00	-9.90
	5580	116	AVG	18.92	18.98	18.97	23.98	-5.00	1.10	20.08	30.00	-9.92
	5680	136	AVG	19.00	19.00	18.99	23.98	-4.98	1.10	20.10	30.00	-9.90
	5700	140	AVG	15.20	15.11	14.75	23.98	-8.78	1.10	16.30	30.00	-13.70
	5720	144	AVG	18.96	18.95	18.95	23.98	-5.02	1.10	20.06	30.00	-9.94
	5745	149	AVG	20.00	19.91	19.94	30.00	-10.00	1.10	21.10	-	-
	5785	157	AVG	19.98	19.94	19.91	30.00	-10.02	1.10	21.08	-	-
	5825	165	AVG	20.00	20.00	19.91	30.00	-10.00	1.10	21.10	-	-

Table 7-48. ISED Antenna 1B 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 83 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.70	15.57	15.52	-	-	-0.10	15.60	23.01	-7.41
	5200	40	AVG	15.57	15.63	15.54	-	-	-0.10	15.53	23.01	-7.48
	5240	48	AVG	15.73	15.72	15.55	-	-	-0.10	15.63	23.01	-7.38
	5260	52	AVG	18.90	18.90	19.00	23.98	-5.08	-0.70	18.20	30.00	-11.80
	5300	60	AVG	19.00	19.00	18.85	23.98	-4.98	-0.70	18.30	30.00	-11.70
	5320	64	AVG	17.30	17.35	16.90	23.98	-6.63	-0.70	16.65	30.00	-13.35
	5500	100	AVG	15.91	16.00	15.41	23.98	-7.98	1.10	17.10	30.00	-12.90
	5520	104	AVG	18.91	19.00	18.82	23.98	-4.98	1.10	20.10	30.00	-9.90
	5580	116	AVG	19.00	18.91	18.83	23.98	-4.98	1.10	20.10	30.00	-9.90
	5680	136	AVG	18.92	19.00	18.83	23.98	-4.98	1.10	20.10	30.00	-9.90
	5700	140	AVG	13.60	13.69	13.60	23.98	-10.29	1.10	14.79	30.00	-15.21
	5720	144	AVG	18.99	19.00	18.85	23.98	-4.98	1.10	20.10	30.00	-9.90
	5745	149	AVG	19.99	20.00	19.86	30.00	-10.00	1.10	21.10	-	-
	5785	157	AVG	19.94	19.93	19.92	30.00	-10.06	1.10	21.04	-	-
	5825	165	AVG	19.88	19.90	19.89	30.00	-10.10	1.10	21.00	-	-

Table 7-49. ISED Antenna 1B 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	16.45	15.73	-	-	-0.10	16.35	23.01	-6.66
	5230	46	AVG	20.00	19.50	-	-	-0.10	19.90	23.01	-3.11
	5270	54	AVG	19.92	20.00	23.98	-4.06	-0.70	19.22	30.00	-10.78
	5310	62	AVG	16.25	14.98	23.98	-7.73	-0.70	15.55	30.00	-14.45
	5510	102	AVG	15.82	14.25	23.98	-8.16	1.10	16.92	30.00	-13.08
	5550	110	AVG	20.00	20.00	23.98	-3.98	1.10	21.10	30.00	-8.90
	5670	134	AVG	17.91	16.75	23.98	-6.07	1.10	19.01	30.00	-10.99
	5710	142	AVG	19.86	19.97	23.98	-4.12	1.10	20.96	30.00	-9.04
	5755	151	AVG	19.93	19.98	30.00	-10.07	1.10	21.03	-	-
	5795	159	AVG	19.95	19.99	30.00	-10.05	1.10	21.05	-	-

Table 7-50. ISED Antenna 1B 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	15.44	14.74	-	-	-0.10	15.34	23.01	-7.67
	5230	46	AVG	19.83	20.00	-	-	-0.10	19.73	23.01	-3.28
	5270	54	AVG	20.00	19.99	23.98	-3.98	-0.70	19.30	30.00	-10.70
	5310	62	AVG	15.67	14.50	23.98	-8.31	-0.70	14.97	30.00	-15.03
	5510	102	AVG	14.66	14.00	23.98	-9.32	1.10	15.76	30.00	-14.24
	5550	110	AVG	19.98	19.25	23.98	-4.00	1.10	21.08	30.00	-8.92
	5670	134	AVG	17.47	16.25	23.98	-6.51	1.10	18.57	30.00	-11.43
	5710	142	AVG	20.00	20.00	23.98	-3.98	1.10	21.10	30.00	-8.90
	5755	151	AVG	20.00	19.90	30.00	-10.00	1.10	21.10	-	-
	5795	159	AVG	20.00	19.91	30.00	-10.00	1.10	21.10	-	-

Table 7-51. ISED Antenna 1B 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 84 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	14.43	14.00	-	-	-0.10	14.33	23.01	-8.68
	5230	46	AVG	20.00	19.42	-	-	-0.10	19.90	23.01	-3.11
	5270	54	AVG	19.89	19.75	23.98	-4.09	-0.70	19.19	30.00	-10.81
	5310	62	AVG	15.00	13.98	23.98	-8.98	-0.70	14.30	30.00	-15.70
	5510	102	AVG	13.20	12.92	23.98	-10.78	1.10	14.30	30.00	-15.70
	5550	110	AVG	19.38	19.00	23.98	-4.60	1.10	20.48	30.00	-9.52
	5670	134	AVG	16.49	15.81	23.98	-7.49	1.10	17.59	30.00	-12.41
	5710	142	AVG	19.98	20.00	23.98	-4.00	1.10	21.08	30.00	-8.92
	5755	151	AVG	19.99	20.00	30.00	-10.01	1.10	21.09	-	-
	5795	159	AVG	20.00	19.95	30.00	-10.00	1.10	21.10	-	-

Table 7-52. ISSED Antenna 1B 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	16.10	14.87	-	-	-0.10	16.00	23.01	-7.01
	5290	58	AVG	14.70	14.00	23.98	-9.28	-0.70	14.00	30.00	-16.00
	5530	106	AVG	15.93	14.93	23.98	-8.05	1.10	17.03	30.00	-12.97
	5690	138	AVG	19.75	19.98	23.98	-4.23	1.10	20.85	30.00	-9.15
	5775	155	AVG	19.25	18.94	30.00	-10.75	1.10	20.35	-	-

Table 7-53. ISSED Antenna 1B 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	15.25	14.20	-	-	-0.10	15.15	23.01	-7.86
	5290	58	AVG	14.20	13.40	23.98	-9.78	-0.70	13.50	30.00	-16.50
	5530	106	AVG	14.20	14.00	23.98	-9.78	1.10	15.30	30.00	-14.70
	5690	138	AVG	19.90	19.95	23.98	-4.08	1.10	21.00	30.00	-9.00
	5775	155	AVG	18.36	17.97	30.00	-11.64	1.10	19.46	-	-

Table 7-54. ISSED Antenna 1B 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	14.40	14.00	-	-	-0.10	14.30	23.01	-8.71
	5290	58	AVG	13.75	12.85	23.98	-10.23	-0.70	13.05	30.00	-16.95
	5530	106	AVG	13.50	12.90	23.98	-10.48	1.10	14.60	30.00	-15.40
	5690	138	AVG	20.00	20.00	23.98	-3.98	1.10	21.10	30.00	-8.90
	5775	155	AVG	17.65	17.50	30.00	-12.35	1.10	18.75	-	-

Table 7-55. ISSED Antenna 1B 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 85 of 564

7.4.5 FCC Antenna 3A Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	18.92	18.98	17.25	23.98	-5.00
	5200	40	AVG	18.97	19.00	18.92	23.98	-4.98
	5240	48	AVG	19.00	18.98	19.00	23.98	-4.98
	5260	52	AVG	18.89	19.00	18.95	23.98	-4.98
	5300	60	AVG	18.95	19.00	18.98	23.98	-4.98
	5320	64	AVG	18.93	19.00	18.50	23.98	-4.98
	5500	100	AVG	18.41	18.30	17.50	23.98	-5.57
	5520	104	AVG	19.00	19.00	19.00	23.98	-4.98
	5580	116	AVG	18.95	19.00	18.98	23.98	-4.98
	5680	136	AVG	18.95	19.00	18.98	23.98	-4.98
	5700	140	AVG	16.30	16.26	15.25	23.98	-7.68
	5720	144	AVG	19.00	18.97	18.94	23.98	-4.98
	5745	149	AVG	20.00	20.00	20.00	30.00	-10.00
	5785	157	AVG	19.97	19.99	19.98	30.00	-10.01
	5825	165	AVG	19.98	20.00	19.96	30.00	-10.00

Table 7-56. FCC Antenna 3A 20MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.61	17.55	16.73	23.98	-6.37
	5200	40	AVG	18.95	18.91	18.90	23.98	-5.03
	5240	48	AVG	18.97	19.00	18.95	23.98	-4.98
	5260	52	AVG	19.00	18.90	18.89	23.98	-4.98
	5300	60	AVG	19.00	18.95	19.00	23.98	-4.98
	5320	64	AVG	18.46	18.50	17.48	23.98	-5.48
	5500	100	AVG	16.97	16.88	16.38	23.98	-7.01
	5520	104	AVG	18.85	18.98	18.98	23.98	-5.00
	5580	116	AVG	19.00	19.00	18.88	23.98	-4.98
	5680	136	AVG	18.98	19.00	18.96	23.98	-4.98
	5700	140	AVG	15.11	15.22	14.75	23.98	-8.76
	5720	144	AVG	18.83	18.98	18.98	23.98	-5.00
	5745	149	AVG	19.85	19.97	19.92	30.00	-10.03
	5785	157	AVG	20.00	20.00	20.00	30.00	-10.00
	5825	165	AVG	19.98	19.95	20.00	30.00	-10.02

Table 7-57. FCC Antenna 3A 20MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device		Page 86 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.17	17.20	16.40	23.98	-6.78
	5200	40	AVG	18.88	19.00	18.88	23.98	-4.98
	5240	48	AVG	18.87	18.85	18.99	23.98	-5.11
	5260	52	AVG	18.84	18.81	19.00	23.98	-5.14
	5300	60	AVG	18.91	18.86	19.00	23.98	-5.07
	5320	64	AVG	17.50	17.32	17.00	23.98	-6.48
	5500	100	AVG	15.96	15.85	15.50	23.98	-8.02
	5520	104	AVG	18.90	18.92	19.00	23.98	-5.06
	5580	116	AVG	18.97	18.85	18.95	23.98	-5.01
	5680	136	AVG	18.91	18.85	18.89	23.98	-5.07
	5700	140	AVG	13.75	13.75	13.75	23.98	-10.23
	5720	144	AVG	18.91	18.95	19.00	23.98	-5.03
	5745	149	AVG	19.85	19.85	20.00	30.00	-10.15
	5785	157	AVG	19.89	20.00	20.00	30.00	-10.00
	5825	165	AVG	19.97	20.00	20.00	30.00	-10.00

Table 7-58. FCC Antenna 3A 20MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	16.30	15.72	23.98	-7.68
	5230	46	AVG	19.98	19.66	23.98	-4.00
	5270	54	AVG	19.95	19.93	23.98	-4.03
	5310	62	AVG	16.25	14.97	23.98	-7.73
	5510	102	AVG	16.00	14.32	23.98	-7.98
	5550	110	AVG	20.00	20.00	23.98	-3.98
	5590	118	AVG	20.00	19.98	23.98	-3.98
	5630	126	AVG	20.00	19.94	23.98	-3.98
	5670	134	AVG	17.93	16.75	23.98	-6.05
	5710	142	AVG	19.98	19.99	23.98	-4.00
	5755	151	AVG	20.00	20.00	30.00	-10.00
	5795	159	AVG	20.00	20.00	30.00	-10.00

Table 7-59. FCC Antenna 3A 40MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C211150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 87 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	15.37	14.87	23.98	-8.61
	5230	46	AVG	19.97	20.00	23.98	-4.01
	5270	54	AVG	20.00	19.88	23.98	-3.98
	5310	62	AVG	15.74	14.43	23.98	-8.24
	5510	102	AVG	14.74	13.85	23.98	-9.24
	5550	110	AVG	20.00	19.23	23.98	-3.98
	5590	118	AVG	19.99	20.00	23.98	-3.99
	5630	126	AVG	19.98	20.00	23.98	-4.00
	5670	134	AVG	17.25	16.50	23.98	-6.73
	5710	142	AVG	19.98	20.00	23.98	-4.00
	5755	151	AVG	19.92	20.00	30.00	-10.08
	5795	159	AVG	19.91	19.86	30.00	-10.09

Table 7-60. FCC Antenna 3A 40MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.50	13.83	23.98	-9.48
	5230	46	AVG	19.95	19.50	23.98	-4.03
	5270	54	AVG	20.00	19.75	23.98	-3.98
	5310	62	AVG	14.93	13.85	23.98	-9.05
	5510	102	AVG	13.05	12.87	23.98	-10.93
	5550	110	AVG	19.50	19.00	23.98	-4.48
	5590	118	AVG	20.00	20.00	23.98	-3.98
	5630	126	AVG	19.99	20.00	23.98	-3.99
	5670	134	AVG	16.50	16.00	23.98	-7.48
	5710	142	AVG	20.00	19.92	23.98	-3.98
	5755	151	AVG	20.00	20.00	30.00	-10.00
	5795	159	AVG	20.00	19.93	30.00	-10.00

Table 7-61. FCC Antenna 3A 40MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 88 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	16.14	14.83	23.98	-7.84
	5290	58	AVG	14.60	14.00	23.98	-9.38
	5530	106	AVG	15.72	14.92	23.98	-8.26
	5610	122	AVG	19.30	18.49	23.98	-4.68
	5690	138	AVG	19.71	19.85	23.98	-4.27
	5775	155	AVG	19.25	19.00	30.00	-10.75

Table 7-62. FCC Antenna 3A 80MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	15.19	14.41	23.98	-8.79
	5290	58	AVG	14.25	13.25	23.98	-9.73
	5530	106	AVG	14.24	14.00	23.98	-9.74
	5610	122	AVG	18.95	17.93	23.98	-5.03
	5690	138	AVG	19.95	19.99	23.98	-4.03
	5775	155	AVG	18.29	17.98	30.00	-11.71

Table 7-63. FCC Antenna 3A 80MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	14.40	13.97	23.98	-9.58
	5290	58	AVG	13.75	12.97	23.98	-10.23
	5530	106	AVG	13.50	12.90	23.98	-10.48
	5610	122	AVG	17.90	17.50	23.98	-6.08
	5690	138	AVG	19.90	19.91	23.98	-4.08
	5775	155	AVG	17.65	17.45	30.00	-12.35

Table 7-64. FCC Antenna 3A 80MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 89 of 564

7.4.6 ISED Antenna 3A Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.66	15.75	15.75	-	-	1.20	16.95	23.01	-6.06
	5200	40	AVG	15.68	15.75	15.75	-	-	1.20	16.95	23.01	-6.06
	5240	48	AVG	15.75	15.75	15.60	-	-	1.20	16.95	23.01	-6.06
	5260	52	AVG	18.89	19.00	18.95	23.98	-4.98	0.70	19.70	30.00	-10.30
	5300	60	AVG	18.95	19.00	18.98	23.98	-4.98	0.70	19.70	30.00	-10.30
	5320	64	AVG	18.93	19.00	18.50	23.98	-4.98	0.70	19.70	30.00	-10.30
	5500	100	AVG	18.41	18.30	17.50	23.98	-5.57	1.20	19.61	30.00	-10.39
	5520	104	AVG	19.00	19.00	19.00	23.98	-4.98	1.20	20.20	30.00	-9.80
	5580	116	AVG	18.95	19.00	18.98	23.98	-4.98	1.20	20.20	30.00	-9.80
	5680	136	AVG	18.95	19.00	18.98	23.98	-4.98	1.20	20.20	30.00	-9.80
	5700	140	AVG	16.30	16.15	15.25	23.98	-7.68	1.20	17.50	30.00	-12.50
	5720	144	AVG	19.00	18.97	18.94	23.98	-4.98	1.20	20.20	30.00	-9.80
	5745	149	AVG	20.00	20.00	20.00	30.00	-10.00	1.00	21.00	-	-
	5785	157	AVG	19.97	19.99	19.98	30.00	-10.01	1.00	20.99	-	-
	5825	165	AVG	19.98	20.00	19.96	30.00	-10.00	1.00	21.00	-	-

Table 7-65. ISED Antenna 3A 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.74	15.74	15.73	-	-	1.20	16.94	23.01	-6.07
	5200	40	AVG	15.61	15.57	15.68	-	-	1.20	16.81	23.01	-6.20
	5240	48	AVG	15.75	15.60	15.73	-	-	1.20	16.95	23.01	-6.06
	5260	52	AVG	19.00	18.90	18.89	23.98	-4.98	0.70	19.70	30.00	-10.30
	5300	60	AVG	19.00	18.95	19.00	23.98	-4.98	0.70	19.70	30.00	-10.30
	5320	64	AVG	18.46	18.50	17.48	23.98	-5.48	0.70	19.20	30.00	-10.80
	5500	100	AVG	16.97	16.88	16.38	23.98	-7.01	1.20	18.17	30.00	-11.83
	5520	104	AVG	18.85	18.98	18.98	23.98	-5.00	1.20	20.18	30.00	-9.82
	5580	116	AVG	19.00	19.00	18.88	23.98	-4.98	1.20	20.20	30.00	-9.80
	5680	136	AVG	18.98	19.00	18.96	23.98	-4.98	1.20	20.20	30.00	-9.80
	5700	140	AVG	15.11	15.22	14.75	23.98	-8.76	1.20	16.42	30.00	-13.58
	5720	144	AVG	18.83	18.98	18.98	23.98	-5.00	1.20	20.18	30.00	-9.82
	5745	149	AVG	19.85	19.97	19.92	30.00	-10.03	1.00	20.97	-	-
	5785	157	AVG	20.00	20.00	20.00	30.00	-10.00	1.00	21.00	-	-
	5825	165	AVG	19.98	19.95	20.00	30.00	-10.02	1.00	20.98	-	-

Table 7-66. ISED Antenna 3A 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 90 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11a	802.11n	802.11ax						
	5180	36	AVG	15.64	15.69	15.73	-	-	1.20	16.89	23.01	-6.12
	5200	40	AVG	15.63	15.57	15.68	-	-	1.20	16.83	23.01	-6.18
	5240	48	AVG	15.66	15.61	15.68	-	-	1.20	16.86	23.01	-6.15
	5260	52	AVG	18.84	18.81	19.00	23.98	-5.14	0.70	19.54	30.00	-10.46
	5300	60	AVG	18.91	18.86	19.00	23.98	-5.07	0.70	19.61	30.00	-10.39
	5320	64	AVG	17.50	17.32	17.00	23.98	-6.48	0.70	18.20	30.00	-11.80
	5500	100	AVG	15.96	15.85	15.50	23.98	-8.02	1.20	17.16	30.00	-12.84
	5520	104	AVG	18.90	18.92	19.00	23.98	-5.06	1.20	20.12	30.00	-9.88
	5580	116	AVG	18.97	18.85	18.95	23.98	-5.01	1.20	20.17	30.00	-9.83
	5680	136	AVG	18.91	18.85	18.89	23.98	-5.07	1.20	20.11	30.00	-9.89
	5700	140	AVG	13.75	13.75	13.75	23.98	-10.23	1.20	14.95	30.00	-15.05
	5720	144	AVG	18.91	18.95	19.00	23.98	-5.03	1.20	20.15	30.00	-9.85
	5745	149	AVG	19.85	19.85	20.00	30.00	-10.15	1.00	20.85	-	-
	5785	157	AVG	19.89	20.00	20.00	30.00	-10.00	1.00	21.00	-	-
	5825	165	AVG	19.97	20.00	20.00	30.00	-10.00	1.00	21.00	-	-

Table 7-67. ISED Antenna 3A 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	16.30	15.72	-	-	1.20	17.50	23.01	-5.51
	5230	46	AVG	19.98	19.66	-	-	1.20	21.18	23.01	-1.83
	5270	54	AVG	19.95	19.93	23.98	-4.03	0.70	20.65	30.00	-9.35
	5310	62	AVG	16.25	14.97	23.98	-7.73	0.70	16.95	30.00	-13.05
	5510	102	AVG	16.00	14.32	23.98	-7.98	1.20	17.20	30.00	-12.80
	5550	110	AVG	20.00	20.00	23.98	-3.98	1.20	21.20	30.00	-8.80
	5670	134	AVG	17.93	16.75	23.98	-6.05	1.20	19.13	30.00	-10.87
	5710	142	AVG	19.98	19.99	23.98	-4.00	1.20	21.18	30.00	-8.82
	5755	151	AVG	20.00	20.00	30.00	-10.00	1.00	21.00	-	-
	5795	159	AVG	20.00	20.00	30.00	-10.00	1.00	21.00	-	-

Table 7-68. ISED Antenna 3A 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	15.37	14.87	-	-	1.20	16.57	23.01	-6.44
	5230	46	AVG	19.97	20.00	-	-	1.20	21.17	23.01	-1.84
	5270	54	AVG	20.00	19.88	23.98	-3.98	0.70	20.70	30.00	-9.30
	5310	62	AVG	15.74	14.43	23.98	-8.24	0.70	16.44	30.00	-13.56
	5510	102	AVG	14.74	13.85	23.98	-9.24	1.20	15.94	30.00	-14.06
	5550	110	AVG	20.00	19.23	23.98	-3.98	1.20	21.20	30.00	-8.80
	5670	134	AVG	17.25	16.50	23.98	-6.73	1.20	18.45	30.00	-11.55
	5710	142	AVG	19.98	20.00	23.98	-4.00	1.20	21.18	30.00	-8.82
	5755	151	AVG	19.92	20.00	30.00	-10.08	1.00	20.92	-	-
	5795	159	AVG	19.91	19.86	30.00	-10.09	1.00	20.91	-	-

Table 7-69. ISED Antenna 3A 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 91 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11n	802.11ax						
	5190	38	AVG	14.50	13.83	-	-	1.20	15.70	23.01	-7.31
	5230	46	AVG	19.95	19.50	-	-	1.20	21.15	23.01	-1.86
	5270	54	AVG	20.00	19.75	23.98	-3.98	0.70	20.70	30.00	-9.30
	5310	62	AVG	14.93	13.85	23.98	-9.05	0.70	15.63	30.00	-14.37
	5510	102	AVG	13.05	12.87	23.98	-10.93	1.20	14.25	30.00	-15.75
	5550	110	AVG	19.50	19.00	23.98	-4.48	1.20	20.70	30.00	-9.30
	5670	134	AVG	16.50	16.00	23.98	-7.48	1.20	17.70	30.00	-12.30
	5710	142	AVG	20.00	19.92	23.98	-3.98	1.20	21.20	30.00	-8.80
	5755	151	AVG	20.00	20.00	30.00	-10.00	1.00	21.00	-	-
	5795	159	AVG	20.00	19.93	30.00	-10.00	1.00	21.00	-	-

Table 7-70. ISSED Antenna 3A 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	16.14	14.83	-	-	1.20	17.34	23.01	-5.67
	5290	58	AVG	14.60	14.00	23.98	-9.38	0.70	15.30	30.00	-14.70
	5530	106	AVG	15.72	14.92	23.98	-8.26	1.20	16.92	30.00	-13.08
	5690	138	AVG	19.71	19.85	23.98	-4.27	1.20	20.91	30.00	-9.09
	5775	155	AVG	19.25	19.00	30.00	-10.75	1.00	20.25	-	-

Table 7-71. ISSED Antenna 3A 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	15.19	14.41	-	-	1.20	16.39	23.01	-6.62
	5290	58	AVG	14.25	13.25	23.98	-9.73	0.70	14.95	30.00	-15.05
	5530	106	AVG	14.24	14.00	23.98	-9.74	1.20	15.44	30.00	-14.56
	5690	138	AVG	19.95	19.99	23.98	-4.03	1.20	21.15	30.00	-8.85
	5775	155	AVG	18.24	17.98	30.00	-11.76	1.00	19.24	-	-

Table 7-72. ISSED Antenna 3A 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	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]
				802.11ac	802.11ax						
	5210	42	AVG	14.40	13.97	-	-	1.20	15.60	23.01	-7.41
	5290	58	AVG	13.75	12.97	23.98	-10.23	0.70	14.45	30.00	-15.55
	5530	106	AVG	13.50	12.90	23.98	-10.48	1.20	14.70	30.00	-15.30
	5690	138	AVG	19.90	19.91	23.98	-4.08	1.20	21.10	30.00	-8.90
	5775	155	AVG	17.65	17.45	30.00	-12.35	1.00	18.65	-	-

Table 7-73. ISSED Antenna 3A 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 92 of 564

7.4.7 FCC CDD Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	15.86	15.88	18.88	23.98	-5.10
	5200	40	CDD	AVG	15.98	16.00	19.00	23.98	-4.98
	5240	48	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5260	52	CDD	AVG	15.89	16.00	18.96	23.98	-5.02
	5300	60	CDD	AVG	16.00	15.97	19.00	23.98	-4.98
	5320	64	CDD	AVG	15.93	15.97	18.96	23.98	-5.02
	5500	100	CDD	AVG	15.94	16.00	18.98	23.98	-5.00
	5580	116	CDD	AVG	15.95	16.00	18.99	23.98	-4.99
	5680	136	CDD	AVG	15.96	15.86	18.92	23.98	-5.06
	5700	140	CDD	AVG	15.50	15.50	18.51	23.98	-5.47
	5720	144	CDD	AVG	16.00	15.85	18.94	23.98	-5.04
	5745	149	CDD	AVG	19.93	19.92	22.94	30.00	-7.06
	5785	157	CDD	AVG	19.99	20.00	23.01	30.00	-6.99
	5825	165	CDD	AVG	19.93	19.97	22.96	30.00	-7.04

Table 7-74. FCC CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	15.90	15.93	18.93	23.98	-5.05
	5200	40	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	16.00	15.89	18.96	23.98	-5.02
	5260	52	CDD	AVG	15.98	16.00	19.00	23.98	-4.98
	5300	60	CDD	AVG	15.80	15.98	18.90	23.98	-5.08
	5320	64	CDD	AVG	15.98	15.85	18.93	23.98	-5.05
	5500	100	CDD	AVG	16.00	15.91	18.97	23.98	-5.01
	5580	116	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5680	136	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5700	140	CDD	AVG	14.46	14.41	17.45	23.98	-6.53
	5720	144	CDD	AVG	16.00	15.89	18.96	23.98	-5.02
	5745	149	CDD	AVG	19.90	19.97	22.95	30.00	-7.05
	5785	157	CDD	AVG	19.80	20.00	22.91	30.00	-7.09
	5825	165	CDD	AVG	19.91	19.98	22.96	30.00	-7.04

Table 7-75. FCC CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 93 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5200	40	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	15.84	15.96	18.91	23.98	-5.07
	5260	52	CDD	AVG	15.90	16.00	18.96	23.98	-5.02
	5300	60	CDD	AVG	15.95	15.81	18.89	23.98	-5.09
	5320	64	CDD	AVG	15.89	15.98	18.95	23.98	-5.03
	5500	100	CDD	AVG	15.75	15.66	18.72	23.98	-5.26
	5520	104	CDD	AVG	16.00	15.80	18.91	23.98	-5.07
	5580	116	CDD	AVG	15.93	16.00	18.98	23.98	-5.00
	5680	136	CDD	AVG	15.86	16.00	18.94	23.98	-5.04
	5700	140	CDD	AVG	13.50	13.39	16.46	23.98	-7.52
	5720	144	CDD	AVG	15.89	15.80	18.86	23.98	-5.12
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5785	157	CDD	AVG	19.97	19.98	22.99	30.00	-7.01
	5825	165	CDD	AVG	19.96	20.00	22.99	30.00	-7.01

Table 7-76. FCC CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	15.81	16.00	18.92	23.98	-5.06
	5200	40	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	15.97	16.00	19.00	23.98	-4.98
	5260	52	CDD	AVG	15.85	15.89	18.88	23.98	-5.10
	5300	60	CDD	AVG	15.98	15.88	18.94	23.98	-5.04
	5320	64	CDD	AVG	15.83	15.99	18.92	23.98	-5.06
	5500	100	CDD	AVG	16.00	15.84	18.93	23.98	-5.05
	5580	116	CDD	AVG	15.98	15.90	18.95	23.98	-5.03
	5680	136	CDD	AVG	15.95	16.00	18.99	23.98	-4.99
	5700	140	CDD	AVG	15.40	15.45	18.44	23.98	-5.54
	5720	144	CDD	AVG	15.98	16.00	19.00	23.98	-4.98
	5745	149	CDD	AVG	19.91	19.87	22.90	30.00	-7.10
	5785	157	CDD	AVG	19.91	19.81	22.87	30.00	-7.13
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-77. FCC CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 94 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	15.96	15.71	18.85	23.98	-5.13
	5200	40	CDD	AVG	15.87	16.00	18.95	23.98	-5.03
	5240	48	CDD	AVG	15.96	15.96	18.97	23.98	-5.01
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	15.87	15.83	18.86	23.98	-5.12
	5320	64	CDD	AVG	15.80	16.00	18.91	23.98	-5.07
	5500	100	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5580	116	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5680	136	CDD	AVG	15.85	16.00	18.94	23.98	-5.04
	5700	140	CDD	AVG	14.47	14.50	17.50	23.98	-6.48
	5720	144	CDD	AVG	15.99	15.92	18.97	23.98	-5.01
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5785	157	CDD	AVG	19.88	19.82	22.86	30.00	-7.14
	5825	165	CDD	AVG	19.82	19.98	22.91	30.00	-7.09

Table 7-78. FCC CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	16.00	15.97	19.00	23.98	-4.98
	5200	40	CDD	AVG	15.96	15.96	18.97	23.98	-5.01
	5240	48	CDD	AVG	16.00	15.92	18.97	23.98	-5.01
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	15.96	16.00	18.99	23.98	-4.99
	5320	64	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5500	100	CDD	AVG	15.63	15.75	18.70	23.98	-5.28
	5520	104	CDD	AVG	15.94	15.95	18.96	23.98	-5.02
	5580	116	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5680	136	CDD	AVG	15.93	15.93	18.94	23.98	-5.04
	5700	140	CDD	AVG	13.50	13.50	16.51	23.98	-7.47
	5720	144	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5785	157	CDD	AVG	19.90	20.00	22.96	30.00	-7.04
	5825	165	CDD	AVG	20.00	19.95	22.99	30.00	-7.01

Table 7-79. FCC CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 95 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5200	40	CDD	AVG	15.83	15.81	18.83	23.98	-5.15
	5240	48	CDD	AVG	15.91	15.89	18.91	23.98	-5.07
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	16.00	15.96	18.99	23.98	-4.99
	5320	64	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5500	100	CDD	AVG	16.00	15.97	19.00	23.98	-4.98
	5580	116	CDD	AVG	15.92	16.00	18.97	23.98	-5.01
	5680	136	CDD	AVG	15.96	15.97	18.98	23.98	-5.00
	5700	140	CDD	AVG	14.50	14.50	17.51	23.98	-6.47
	5720	144	CDD	AVG	15.94	16.00	18.98	23.98	-5.00
	5745	149	CDD	AVG	19.95	19.82	22.90	30.00	-7.10
	5785	157	CDD	AVG	20.00	19.90	22.96	30.00	-7.04
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-80. FCC CDD Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	15.95	15.98	18.98	23.98	-5.00
	5200	40	CDD	AVG	15.99	15.90	18.96	23.98	-5.02
	5240	48	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5260	52	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	15.86	15.86	18.87	23.98	-5.11
	5320	64	CDD	AVG	15.86	15.89	18.89	23.98	-5.09
	5500	100	CDD	AVG	15.86	15.95	18.92	23.98	-5.06
	5580	116	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5680	136	CDD	AVG	15.89	15.95	18.93	23.98	-5.05
	5700	140	CDD	AVG	13.98	13.98	16.99	23.98	-6.99
	5720	144	CDD	AVG	15.90	15.86	18.89	23.98	-5.09
	5745	149	CDD	AVG	19.84	19.85	22.86	30.00	-7.14
	5785	157	CDD	AVG	19.84	19.94	22.90	30.00	-7.10
	5825	165	CDD	AVG	19.86	20.00	22.94	30.00	-7.06

Table 7-81. FCC CDD Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 96 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5180	36	CDD	AVG	15.77	15.82	18.81	23.98	-5.17
	5200	40	CDD	AVG	15.78	15.91	18.86	23.98	-5.12
	5240	48	CDD	AVG	15.94	15.92	18.94	23.98	-5.04
	5260	52	CDD	AVG	15.85	16.00	18.94	23.98	-5.04
	5300	60	CDD	AVG	15.77	15.88	18.84	23.98	-5.14
	5320	64	CDD	AVG	15.81	15.87	18.85	23.98	-5.13
	5500	100	CDD	AVG	15.21	15.20	18.22	23.98	-5.76
	5520	104	CDD	AVG	15.88	15.93	18.92	23.98	-5.06
	5580	116	CDD	AVG	15.87	15.89	18.89	23.98	-5.09
	5680	136	CDD	AVG	15.78	16.00	18.90	23.98	-5.08
	5700	140	CDD	AVG	12.91	12.80	15.87	23.98	-8.11
	5720	144	CDD	AVG	15.95	15.89	18.93	23.98	-5.05
	5745	149	CDD	AVG	19.85	19.90	22.89	30.00	-7.11
	5785	157	CDD	AVG	19.99	19.89	22.95	30.00	-7.05
	5825	165	CDD	AVG	19.90	19.97	22.95	30.00	-7.05

Table 7-82. FCC CDD Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5190	38	CDD	AVG	15.97	16.00	19.00	23.98	-4.98
	5230	46	CDD	AVG	19.44	19.43	22.45	23.98	-1.53
	5270	54	CDD	AVG	19.50	19.41	22.47	23.98	-1.51
	5310	62	CDD	AVG	15.60	15.50	18.56	23.98	-5.42
	5510	102	CDD	AVG	15.00	15.00	18.01	23.98	-5.97
	5550	110	CDD	AVG	19.42	19.50	22.47	23.98	-1.51
	5590	118	CDD	AVG	19.50	19.46	22.49	23.98	-1.49
	5630	126	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5670	134	CDD	AVG	17.49	17.41	20.46	23.98	-3.52
	5710	142	CDD	AVG	19.41	19.40	22.42	23.98	-1.56
	5755	151	CDD	AVG	20.00	19.94	22.98	30.00	-7.02
	5795	159	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-83. FCC CDD Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 97 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5190	38	CDD	AVG	14.95	14.80	17.89	23.98	-6.09
	5230	46	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5270	54	CDD	AVG	19.40	19.41	22.42	23.98	-1.56
	5310	62	CDD	AVG	15.00	15.00	18.01	23.98	-5.97
	5510	102	CDD	AVG	13.98	13.98	16.99	23.98	-6.99
	5550	110	CDD	AVG	19.40	19.50	22.46	23.98	-1.52
	5590	118	CDD	AVG	19.45	19.48	22.48	23.98	-1.50
	5630	126	CDD	AVG	19.41	19.50	22.47	23.98	-1.51
	5670	134	CDD	AVG	16.50	16.38	19.45	23.98	-4.53
	5710	142	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	19.98	19.84	22.92	30.00	-7.08
	5795	159	CDD	AVG	20.00	19.99	23.01	30.00	-6.99

Table 7-84. FCC CDD Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5190	38	CDD	AVG	13.93	13.99	16.97	23.98	-7.01
	5230	46	CDD	AVG	19.40	19.36	22.39	23.98	-1.59
	5270	54	CDD	AVG	19.49	19.30	22.41	23.98	-1.57
	5310	62	CDD	AVG	13.89	13.90	16.91	23.98	-7.07
	5510	102	CDD	AVG	12.71	12.73	15.73	23.98	-8.25
	5550	110	CDD	AVG	18.85	18.89	21.88	23.98	-2.10
	5590	118	CDD	AVG	19.45	19.50	22.49	23.98	-1.49
	5630	126	CDD	AVG	19.35	19.41	22.39	23.98	-1.59
	5670	134	CDD	AVG	16.00	15.86	18.94	23.98	-5.04
	5710	142	CDD	AVG	19.41	19.45	22.44	23.98	-1.54
	5755	151	CDD	AVG	19.85	19.80	22.84	30.00	-7.16
	5795	159	CDD	AVG	19.84	20.00	22.93	30.00	-7.07

Table 7-85. FCC CDD Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 98 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5190	38	CDD	AVG	15.41	15.41	18.42	23.98	-5.56
	5230	46	CDD	AVG	19.50	19.47	22.50	23.98	-1.48
	5270	54	CDD	AVG	19.25	19.25	22.26	23.98	-1.72
	5310	62	CDD	AVG	14.53	14.47	17.51	23.98	-6.47
	5510	102	CDD	AVG	14.30	14.26	17.29	23.98	-6.69
	5550	110	CDD	AVG	19.25	19.34	22.31	23.98	-1.67
	5590	118	CDD	AVG	19.45	19.47	22.47	23.98	-1.51
	5630	126	CDD	AVG	19.45	19.50	22.49	23.98	-1.49
	5670	134	CDD	AVG	16.48	16.49	19.50	23.98	-4.48
	5710	142	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	20.00	19.98	23.00	30.00	-7.00
	5795	159	CDD	AVG	19.97	20.00	23.00	30.00	-7.00

Table 7-86. FCC CDD Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5190	38	CDD	AVG	14.41	14.33	17.38	23.98	-6.60
	5230	46	CDD	AVG	19.50	19.37	22.45	23.98	-1.53
	5270	54	CDD	AVG	19.50	19.44	22.48	23.98	-1.50
	5310	62	CDD	AVG	14.00	13.75	16.89	23.98	-7.09
	5510	102	CDD	AVG	13.47	13.45	16.47	23.98	-7.51
	5550	110	CDD	AVG	18.82	18.94	21.89	23.98	-2.09
	5590	118	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5630	126	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5670	134	CDD	AVG	15.81	16.00	18.92	23.98	-5.06
	5710	142	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	20.00	19.93	22.98	30.00	-7.02
	5795	159	CDD	AVG	20.00	19.88	22.95	30.00	-7.05

Table 7-87. FCC CDD Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 99 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5190	38	CDD	AVG	13.86	13.99	16.94	23.98	-7.04
	5230	46	CDD	AVG	19.38	19.36	22.38	23.98	-1.60
	5270	54	CDD	AVG	19.45	19.43	22.45	23.98	-1.53
	5310	62	CDD	AVG	13.43	13.50	16.48	23.98	-7.50
	5510	102	CDD	AVG	12.38	12.25	15.33	23.98	-8.65
	5550	110	CDD	AVG	18.35	18.48	21.43	23.98	-2.55
	5590	118	CDD	AVG	19.42	19.48	22.46	23.98	-1.52
	5630	126	CDD	AVG	19.47	19.32	22.41	23.98	-1.57
	5670	134	CDD	AVG	15.41	15.30	18.37	23.98	-5.61
	5710	142	CDD	AVG	19.49	19.30	22.41	23.98	-1.57
	5755	151	CDD	AVG	19.97	19.87	22.93	30.00	-7.07
	5795	159	CDD	AVG	19.87	19.91	22.90	30.00	-7.10

Table 7-88. FCC CDD Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5210	42	CDD	AVG	15.82	15.91	18.88	23.98	-5.10
	5290	58	CDD	AVG	13.85	14.00	16.94	23.98	-7.04
	5530	106	CDD	AVG	14.50	14.53	17.53	23.98	-6.45
	5610	122	CDD	AVG	18.93	19.00	21.98	23.98	-2.00
	5690	138	CDD	AVG	20.00	19.98	23.00	23.98	-0.98
	5775	155	CDD	AVG	19.00	18.98	22.00	30.00	-8.00

Table 7-89. FCC CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5210	42	CDD	AVG	15.00	14.95	17.99	23.98	-5.99
	5290	58	CDD	AVG	13.22	13.15	16.20	23.98	-7.78
	5530	106	CDD	AVG	13.73	13.75	16.75	23.98	-7.23
	5610	122	CDD	AVG	17.98	18.00	21.00	23.98	-2.98
	5690	138	CDD	AVG	20.00	19.91	22.97	23.98	-1.01
	5775	155	CDD	AVG	17.70	17.74	20.73	30.00	-9.27

Table 7-90. FCC CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device		Page 100 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5210	42	CDD	AVG	14.25	14.12	17.20	23.98	-6.78
	5290	58	CDD	AVG	12.50	12.50	15.51	23.98	-8.47
	5530	106	CDD	AVG	12.98	12.97	15.99	23.98	-7.99
	5610	122	CDD	AVG	17.44	17.41	20.44	23.98	-3.54
	5690	138	CDD	AVG	19.85	20.00	22.94	23.98	-1.04
	5775	155	CDD	AVG	16.98	17.00	20.00	30.00	-10.00

Table 7-91. FCC CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5210	42	CDD	AVG	14.50	14.37	17.45	23.98	-6.53
	5290	58	CDD	AVG	13.25	13.25	16.26	23.98	-7.72
	5530	106	CDD	AVG	13.50	13.50	16.51	23.98	-7.47
	5610	122	CDD	AVG	17.87	17.96	20.93	23.98	-3.05
	5690	138	CDD	AVG	19.95	19.94	22.96	23.98	-1.02
	5775	155	CDD	AVG	17.95	18.00	20.99	30.00	-9.01

Table 7-92. FCC CDD Primary 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5210	42	CDD	AVG	14.00	14.00	17.01	23.98	-6.97
	5290	58	CDD	AVG	13.00	13.00	16.01	23.98	-7.97
	5530	106	CDD	AVG	13.00	13.00	16.01	23.98	-7.97
	5610	122	CDD	AVG	17.46	17.38	20.43	23.98	-3.55
	5690	138	CDD	AVG	19.85	19.98	22.93	23.98	-1.05
	5775	155	CDD	AVG	17.25	17.16	20.22	30.00	-9.78

Table 7-93. FCC CDD Primary 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 1B	Summed		
	5210	42	CDD	AVG	13.28	13.40	16.35	23.98	-7.63
	5290	58	CDD	AVG	12.44	12.39	15.43	23.98	-8.55
	5530	106	CDD	AVG	12.40	12.49	15.46	23.98	-8.52
	5610	122	CDD	AVG	16.26	16.39	19.34	23.98	-4.64
	5690	138	CDD	AVG	19.88	20.00	22.95	23.98	-1.03
	5775	155	CDD	AVG	16.81	16.93	19.88	30.00	-10.12

Table 7-94. FCC CDD Primary 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 101 of 564

7.4.8 ISED CDD/SDM Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	CDD	AVG	10.75	10.71	13.74	-	-	2.42	16.16	23.01	-6.85
	5200	40	CDD	AVG	10.67	10.75	13.72	-	-	2.42	16.14	23.01	-6.87
	5240	48	CDD	AVG	10.75	10.75	13.76	-	-	2.42	16.18	23.01	-6.83
	5260	52	CDD	AVG	15.89	16.00	18.96	23.98	-5.02	3.15	22.11	30.00	-7.89
	5300	60	CDD	AVG	16.00	15.97	19.00	23.98	-4.98	3.15	22.15	30.00	-7.85
	5320	64	CDD	AVG	15.93	15.97	18.96	23.98	-5.02	3.15	22.11	30.00	-7.89
	5500	100	CDD	AVG	15.94	16.00	18.98	23.98	-5.00	3.72	22.70	30.00	-7.30
	5580	116	CDD	AVG	15.95	16.00	18.99	23.98	-4.99	3.72	22.71	30.00	-7.29
	5680	136	CDD	AVG	15.96	15.86	18.92	23.98	-5.06	3.72	22.64	30.00	-7.36
	5700	140	CDD	AVG	15.50	15.50	18.51	23.98	-5.47	3.72	22.23	30.00	-7.77
	5720	144	CDD	AVG	16.00	15.85	18.94	23.98	-5.04	3.72	22.66	30.00	-7.34
	5745	149	CDD	AVG	19.93	19.92	22.94	30.00	-7.06	3.04	25.98	-	-
	5785	157	CDD	AVG	19.99	20.00	23.01	30.00	-6.99	3.04	26.05	-	-
	5825	165	CDD	AVG	19.93	19.97	22.96	30.00	-7.04	3.04	26.00	-	-

Table 7-95. ISED CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	CDD	AVG	10.75	10.73	13.75	-	-	2.42	16.17	23.01	-6.84
	5200	40	CDD	AVG	10.66	10.69	13.69	-	-	2.42	16.11	23.01	-6.90
	5240	48	CDD	AVG	10.75	10.75	13.76	-	-	2.42	16.18	23.01	-6.83
	5260	52	CDD	AVG	15.98	16.00	19.00	23.98	-4.98	3.15	22.15	30.00	-7.85
	5300	60	CDD	AVG	15.80	15.98	18.90	23.98	-5.08	3.15	22.05	30.00	-7.95
	5320	64	CDD	AVG	15.98	15.85	18.93	23.98	-5.05	3.15	22.08	30.00	-7.92
	5500	100	CDD	AVG	16.00	15.91	18.97	23.98	-5.01	3.72	22.69	30.00	-7.31
	5580	116	CDD	AVG	16.00	15.95	18.99	23.98	-4.99	3.72	22.71	30.00	-7.29
	5680	136	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.72	22.73	30.00	-7.27
	5700	140	CDD	AVG	14.46	14.41	17.45	23.98	-6.53	3.72	21.17	30.00	-8.83
	5720	144	CDD	AVG	16.00	15.89	18.96	23.98	-5.02	3.72	22.68	30.00	-7.32
	5745	149	CDD	AVG	19.90	19.97	22.95	30.00	-7.05	3.04	25.99	-	-
	5785	157	CDD	AVG	19.80	20.00	22.91	30.00	-7.09	3.04	25.95	-	-
	5825	165	CDD	AVG	19.91	19.98	22.96	30.00	-7.04	3.04	26.00	-	-

Table 7-96. ISED CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	CDD	AVG	10.64	10.69	13.68	-	-	2.42	16.10	23.01	-6.91
	5200	40	CDD	AVG	10.63	10.66	13.66	-	-	2.42	16.08	23.01	-6.93
	5240	48	CDD	AVG	10.66	10.60	13.64	-	-	2.42	16.06	23.01	-6.95
	5260	52	CDD	AVG	15.90	16.00	18.96	23.98	-5.02	3.15	22.11	30.00	-7.89
	5300	60	CDD	AVG	15.95	15.81	18.89	23.98	-5.09	3.15	22.04	30.00	-7.96
	5320	64	CDD	AVG	15.89	15.98	18.95	23.98	-5.03	3.15	22.10	30.00	-7.90
	5500	100	CDD	AVG	15.75	15.66	18.72	23.98	-5.26	3.72	22.44	30.00	-7.56
	5520	104	CDD	AVG	16.00	15.80	18.91	23.98	-5.07	3.72	22.63	30.00	-7.37
	5580	116	CDD	AVG	15.93	16.00	18.98	23.98	-5.00	3.72	22.70	30.00	-7.30
	5680	136	CDD	AVG	15.86	16.00	18.94	23.98	-5.04	3.72	22.66	30.00	-7.34
	5700	140	CDD	AVG	13.50	13.39	16.46	23.98	-7.52	3.72	20.18	30.00	-9.82
	5720	144	CDD	AVG	15.89	15.80	18.86	23.98	-5.12	3.72	22.58	30.00	-7.42
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	3.04	26.05	-	-
	5785	157	CDD	AVG	19.97	19.98	22.99	30.00	-7.01	3.04	26.03	-	-
	5825	165	CDD	AVG	19.96	20.00	22.99	30.00	-7.01	3.04	26.03	-	-

Table 7-97. ISED CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 102 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.58	16.68	-	-	-0.57	16.11	23.01	-6.90
	5200	40	SDM	AVG	13.55	13.57	16.57	-	-	-0.57	16.00	23.01	-7.01
	5240	48	SDM	AVG	13.66	13.69	16.69	-	-	-0.57	16.12	23.01	-6.89
	5260	52	CDD	AVG	15.85	15.89	18.88	23.98	-5.10	3.15	22.03	30.00	-7.97
	5300	60	CDD	AVG	15.98	15.88	18.94	23.98	-5.04	3.15	22.09	30.00	-7.91
	5320	64	CDD	AVG	15.83	15.99	18.92	23.98	-5.06	3.15	22.07	30.00	-7.93
	5500	100	CDD	AVG	16.00	15.84	18.93	23.98	-5.05	3.72	22.65	30.00	-7.35
	5580	116	CDD	AVG	15.98	15.90	18.95	23.98	-5.03	3.72	22.67	30.00	-7.33
	5680	136	CDD	AVG	15.95	16.00	18.99	23.98	-4.99	3.72	22.71	30.00	-7.29
	5700	140	CDD	AVG	15.40	15.45	18.44	23.98	-5.54	3.72	22.16	30.00	-7.84
	5720	144	CDD	AVG	15.98	16.00	19.00	23.98	-4.98	3.72	22.72	30.00	-7.28
	5745	149	CDD	AVG	19.91	19.87	22.90	30.00	-7.10	3.04	25.94	-	-
	5785	157	CDD	AVG	19.91	19.81	22.87	30.00	-7.13	3.04	25.91	-	-
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	3.04	26.05	-	-

Table 7-98. ISCED CDD/SDM Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.65	16.71	-	-	-0.57	16.14	23.01	-6.87
	5200	40	SDM	AVG	13.73	13.68	16.72	-	-	-0.57	16.15	23.01	-6.86
	5240	48	SDM	AVG	13.75	13.64	16.71	-	-	-0.57	16.14	23.01	-6.87
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.15	22.16	30.00	-7.84
	5300	60	CDD	AVG	15.87	15.83	18.86	23.98	-5.12	3.15	22.01	30.00	-7.99
	5320	64	CDD	AVG	15.80	16.00	18.91	23.98	-5.07	3.15	22.06	30.00	-7.94
	5500	100	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.72	22.73	30.00	-7.27
	5580	116	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.72	22.73	30.00	-7.27
	5680	136	CDD	AVG	15.85	16.00	18.94	23.98	-5.04	3.72	22.66	30.00	-7.34
	5700	140	CDD	AVG	14.47	14.50	17.50	23.98	-6.48	3.72	21.22	30.00	-8.78
	5720	144	CDD	AVG	15.99	15.92	18.97	23.98	-5.01	3.72	22.69	30.00	-7.31
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	3.04	26.05	-	-
	5785	157	CDD	AVG	19.88	19.82	22.86	30.00	-7.14	3.04	25.90	-	-
	5825	165	CDD	AVG	19.82	19.98	22.91	30.00	-7.09	3.04	25.95	-	-

Table 7-99. ISCED CDD/SDM Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.75	16.76	-	-	-0.57	16.19	23.01	-6.82
	5200	40	SDM	AVG	13.53	13.44	16.50	-	-	-0.57	15.93	23.01	-7.08
	5240	48	SDM	AVG	13.60	13.62	16.62	-	-	-0.57	16.05	23.01	-6.96
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.15	22.16	30.00	-7.84
	5300	60	CDD	AVG	15.96	16.00	18.99	23.98	-4.99	3.15	22.14	30.00	-7.86
	5320	64	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.15	22.16	30.00	-7.84
	5500	100	CDD	AVG	15.63	15.75	18.70	23.98	-5.28	3.72	22.42	30.00	-7.58
	5520	104	CDD	AVG	15.94	15.95	18.96	23.98	-5.02	3.72	22.68	30.00	-7.32
	5580	116	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.72	22.73	30.00	-7.27
	5680	136	CDD	AVG	15.93	15.93	18.94	23.98	-5.04	3.72	22.66	30.00	-7.34
	5700	140	CDD	AVG	13.50	13.50	16.51	23.98	-7.47	3.72	20.23	30.00	-9.77
	5720	144	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.72	22.73	30.00	-7.27
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	3.04	26.05	-	-
	5785	157	CDD	AVG	19.90	20.00	22.96	30.00	-7.04	3.04	26.00	-	-
	5825	165	CDD	AVG	20.00	19.95	22.99	30.00	-7.01	3.04	26.03	-	-

Table 7-100. ISCED CDD/SDM Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 103 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.60	16.69	-	-	-0.57	16.12	23.01	-6.89
	5200	40	SDM	AVG	13.75	13.62	16.70	-	-	-0.57	16.13	23.01	-6.88
	5240	48	SDM	AVG	13.75	13.73	16.75	-	-	-0.57	16.18	23.01	-6.83
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.15	22.16	30.00	-7.84
	5300	60	CDD	AVG	16.00	15.96	18.99	23.98	-4.99	3.15	22.14	30.00	-7.86
	5320	64	CDD	AVG	16.00	15.95	18.99	23.98	-4.99	3.15	22.14	30.00	-7.86
	5500	100	CDD	AVG	16.00	15.97	19.00	23.98	-4.98	3.72	22.72	30.00	-7.28
	5580	116	CDD	AVG	15.92	16.00	18.97	23.98	-5.01	3.72	22.69	30.00	-7.31
	5680	136	CDD	AVG	15.96	15.97	18.98	23.98	-5.00	3.72	22.70	30.00	-7.30
	5700	140	CDD	AVG	14.50	14.50	17.51	23.98	-6.47	3.72	21.23	30.00	-8.77
	5720	144	CDD	AVG	15.94	16.00	18.98	23.98	-5.00	3.72	22.70	30.00	-7.30
	5745	149	CDD	AVG	19.95	19.82	22.90	30.00	-7.10	3.04	25.94	-	-
	5785	157	CDD	AVG	20.00	19.90	22.96	30.00	-7.04	3.04	26.00	-	-
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	3.04	26.05	-	-

Table 7-101. ISED CDD/SDM Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.75	16.76	-	-	-0.57	16.19	23.01	-6.82
	5200	40	SDM	AVG	13.69	13.65	16.68	-	-	-0.57	16.11	23.01	-6.90
	5240	48	SDM	AVG	13.66	13.75	16.72	-	-	-0.57	16.15	23.01	-6.86
	5260	52	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.15	22.16	30.00	-7.84
	5300	60	CDD	AVG	15.86	15.86	18.87	23.98	-5.11	3.15	22.02	30.00	-7.98
	5320	64	CDD	AVG	15.86	15.89	18.89	23.98	-5.09	3.15	22.04	30.00	-7.96
	5500	100	CDD	AVG	15.86	15.95	18.92	23.98	-5.06	3.72	22.64	30.00	-7.36
	5580	116	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.72	22.73	30.00	-7.27
	5680	136	CDD	AVG	15.89	15.95	18.93	23.98	-5.05	3.72	22.65	30.00	-7.35
	5700	140	CDD	AVG	13.98	13.98	16.99	23.98	-6.99	3.72	20.71	30.00	-9.29
	5720	144	CDD	AVG	15.90	15.86	18.89	23.98	-5.09	3.72	22.61	30.00	-7.39
	5745	149	CDD	AVG	19.84	19.85	22.86	30.00	-7.14	3.04	25.90	-	-
	5785	157	CDD	AVG	19.84	19.94	22.90	30.00	-7.10	3.04	25.94	-	-
	5825	165	CDD	AVG	19.86	20.00	22.94	30.00	-7.06	3.04	25.98	-	-

Table 7-102. ISED CDD/SDM Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.54	13.68	16.62	-	-	-0.57	16.05	23.01	-6.96
	5200	40	SDM	AVG	13.75	13.55	16.66	-	-	-0.57	16.09	23.01	-6.92
	5240	48	SDM	AVG	13.74	13.68	16.72	-	-	-0.57	16.15	23.01	-6.86
	5260	52	CDD	AVG	15.85	16.00	18.94	23.98	-5.04	3.15	22.09	30.00	-7.91
	5300	60	CDD	AVG	15.77	15.88	18.84	23.98	-5.14	3.15	21.99	30.00	-8.01
	5320	64	CDD	AVG	15.81	15.87	18.85	23.98	-5.13	3.15	22.00	30.00	-8.00
	5500	100	CDD	AVG	15.21	15.20	18.22	23.98	-5.76	3.72	21.94	30.00	-8.06
	5520	104	CDD	AVG	15.88	15.93	18.92	23.98	-5.06	3.72	22.64	30.00	-7.36
	5580	116	CDD	AVG	15.87	15.89	18.89	23.98	-5.09	3.72	22.61	30.00	-7.39
	5680	136	CDD	AVG	15.78	16.00	18.90	23.98	-5.08	3.72	22.62	30.00	-7.38
	5700	140	CDD	AVG	12.91	12.80	15.87	23.98	-8.11	3.72	19.59	30.00	-10.41
	5720	144	CDD	AVG	15.95	15.89	18.93	23.98	-5.05	3.72	22.65	30.00	-7.35
	5745	149	CDD	AVG	19.85	19.90	22.89	30.00	-7.11	3.04	25.93	-	-
	5785	157	CDD	AVG	19.99	19.89	22.95	30.00	-7.05	3.04	25.99	-	-
	5825	165	CDD	AVG	19.90	19.97	22.95	30.00	-7.05	3.04	25.99	-	-

Table 7-103. ISED CDD/SDM Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 104 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	15.97	16.00	19.00	-	-	-0.57	18.43	23.01	-4.58
	5230	46	SDM	AVG	18.15	18.22	21.20	-	-	-0.57	20.63	23.01	-2.38
	5270	54	CDD	AVG	19.50	19.41	22.47	23.98	-1.51	3.15	25.62	30.00	-4.38
	5310	62	CDD	AVG	15.60	15.50	18.56	23.98	-5.42	3.15	21.71	30.00	-8.29
	5510	102	CDD	AVG	15.00	15.00	18.01	23.98	-5.97	3.72	21.73	30.00	-8.27
	5550	110	CDD	AVG	19.42	19.50	22.47	23.98	-1.51	3.72	26.19	30.00	-3.81
	5670	134	CDD	AVG	17.49	17.41	20.46	23.98	-3.52	3.72	24.18	30.00	-5.82
	5710	142	CDD	AVG	19.41	19.40	22.42	23.98	-1.56	3.72	26.14	30.00	-3.86
	5755	151	CDD	AVG	20.00	19.94	22.98	30.00	-7.02	3.04	26.02	-	-
	5795	159	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	3.04	26.05	-	-

Table 7-104. ISED CDD/SDM Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.95	14.80	17.89	-	-	2.42	20.31	23.01	-2.70
	5230	46	SDM	AVG	18.25	18.16	21.22	-	-	-0.57	20.65	23.01	-2.36
	5270	54	CDD	AVG	19.40	19.41	22.42	23.98	-1.56	3.15	25.57	30.00	-4.43
	5310	62	CDD	AVG	15.00	15.00	18.01	23.98	-5.97	3.15	21.16	30.00	-8.84
	5510	102	CDD	AVG	13.98	13.98	16.99	23.98	-6.99	3.72	20.71	30.00	-9.29
	5550	110	CDD	AVG	19.40	19.50	22.46	23.98	-1.52	3.72	26.18	30.00	-3.82
	5670	134	CDD	AVG	16.50	16.38	19.45	23.98	-4.53	3.72	23.17	30.00	-6.83
	5710	142	CDD	AVG	19.50	19.50	22.51	23.98	-1.47	3.72	26.23	30.00	-3.77
	5755	151	CDD	AVG	19.98	19.84	22.92	30.00	-7.08	3.04	25.96	-	-
	5795	159	CDD	AVG	20.00	19.99	23.01	30.00	-6.99	3.04	26.05	-	-

Table 7-105. ISED CDD/SDM Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.93	13.99	16.97	-	-	2.42	19.39	23.01	-3.62
	5230	46	SDM	AVG	18.22	18.21	21.23	-	-	-0.57	20.66	23.01	-2.35
	5270	54	CDD	AVG	19.49	19.30	22.41	23.98	-1.57	3.15	25.56	30.00	-4.44
	5310	62	CDD	AVG	13.89	13.90	16.91	23.98	-7.07	3.15	20.06	30.00	-9.94
	5510	102	CDD	AVG	12.71	12.73	15.73	23.98	-8.25	3.72	19.45	30.00	-10.55
	5550	110	CDD	AVG	18.85	18.89	21.88	23.98	-2.10	3.72	25.60	30.00	-4.40
	5670	134	CDD	AVG	16.00	15.86	18.94	23.98	-5.04	3.72	22.66	30.00	-7.34
	5710	142	CDD	AVG	19.41	19.45	22.44	23.98	-1.54	3.72	26.16	30.00	-3.84
	5755	151	CDD	AVG	19.85	19.80	22.84	30.00	-7.16	3.04	25.88	-	-
	5795	159	CDD	AVG	19.84	20.00	22.93	30.00	-7.07	3.04	25.97	-	-

Table 7-106. ISED CDD/SDM Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	15.41	15.41	18.42	-	-	-0.57	17.85	23.01	-5.16
	5230	46	SDM	AVG	18.25	18.25	21.26	-	-	-0.57	20.69	23.01	-2.32
	5270	54	CDD	AVG	19.25	19.25	22.26	23.98	-1.72	3.15	25.41	30.00	-4.59
	5310	62	CDD	AVG	14.53	14.47	17.51	23.98	-6.47	3.15	20.66	30.00	-9.34
	5510	102	CDD	AVG	14.30	14.23	17.28	23.98	-6.70	3.72	21.00	30.00	-9.00
	5550	110	CDD	AVG	19.25	19.34	22.31	23.98	-1.67	3.72	26.03	30.00	-3.97
	5670	134	CDD	AVG	16.48	16.49	19.50	23.98	-4.48	3.72	23.22	30.00	-6.78
	5710	142	CDD	AVG	19.50	19.50	22.51	23.98	-1.47	3.72	26.23	30.00	-3.77
	5755	151	CDD	AVG	20.00	19.98	23.00	30.00	-7.00	3.04	26.04	-	-
	5795	159	CDD	AVG	19.97	20.00	23.00	30.00	-7.00	3.04	26.04	-	-

Table 7-107. ISED CDD/SDM Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 105 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.41	14.33	17.38	-	-	2.42	19.80	23.01	-3.21
	5230	46	SDM	AVG	18.25	18.25	21.26	-	-	-0.57	20.69	23.01	-2.32
	5270	54	CDD	AVG	19.50	19.44	22.48	23.98	-1.50	3.15	25.63	30.00	-4.37
	5310	62	CDD	AVG	14.00	13.75	16.89	23.98	-7.09	3.15	20.04	30.00	-9.96
	5510	102	CDD	AVG	13.47	13.45	16.47	23.98	-7.51	3.72	20.19	30.00	-9.81
	5550	110	CDD	AVG	18.82	18.94	21.89	23.98	-2.09	3.72	25.61	30.00	-4.39
	5670	134	CDD	AVG	15.81	16.00	18.92	23.98	-5.06	3.72	22.64	30.00	-7.36
	5710	142	CDD	AVG	19.50	19.50	22.51	23.98	-1.47	3.72	26.23	30.00	-3.77
	5755	151	CDD	AVG	20.00	19.93	22.98	30.00	-7.02	3.04	26.02	-	-
	5795	159	CDD	AVG	20.00	19.88	22.95	30.00	-7.05	3.04	25.99	-	-

Table 7-108. ISCED CDD/SDM Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.86	13.99	16.94	-	-	2.42	19.36	23.01	-3.65
	5230	46	SDM	AVG	18.17	18.26	21.23	-	-	-0.57	20.66	23.01	-2.35
	5270	54	CDD	AVG	19.45	19.43	22.45	23.98	-1.53	3.15	25.60	30.00	-4.40
	5310	62	CDD	AVG	13.43	13.50	16.48	23.98	-7.50	3.15	19.63	30.00	-10.37
	5510	102	CDD	AVG	12.38	12.25	15.33	23.98	-8.65	3.72	19.05	30.00	-10.95
	5550	110	CDD	AVG	18.35	18.48	21.43	23.98	-2.55	3.72	25.15	30.00	-4.85
	5670	134	CDD	AVG	15.41	15.30	18.37	23.98	-5.61	3.72	22.09	30.00	-7.91
	5710	142	CDD	AVG	19.49	19.30	22.41	23.98	-1.57	3.72	26.13	30.00	-3.87
	5755	151	CDD	AVG	19.97	19.87	22.93	30.00	-7.07	3.04	25.97	-	-
	5795	159	CDD	AVG	19.87	19.91	22.90	30.00	-7.10	3.04	25.94	-	-

Table 7-109. ISCED CDD/SDM Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	SDM	AVG	15.82	15.91	18.88	-	-	-0.57	18.31	23.01	-4.70
	5290	58	CDD	AVG	13.85	14.00	16.94	23.98	-7.04	3.15	20.09	30.00	-9.91
	5530	106	CDD	AVG	14.48	14.50	17.50	23.98	-6.48	3.72	21.22	30.00	-8.78
	5690	138	CDD	AVG	20.00	19.98	23.00	23.98	-0.98	3.72	26.72	30.00	-3.28
	5775	155	CDD	AVG	19.00	18.98	22.00	30.00	-8.00	3.04	25.04	-	-

Table 7-110. ISCED CDD/SDM Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	15.00	14.95	17.99	-	-	2.42	20.41	23.01	-2.60
	5290	58	CDD	AVG	13.22	13.15	16.20	23.98	-7.78	3.15	19.35	30.00	-10.65
	5530	106	CDD	AVG	13.73	13.75	16.75	23.98	-7.23	3.72	20.47	30.00	-9.53
	5690	138	CDD	AVG	20.00	19.91	22.97	23.98	-1.01	3.72	26.69	30.00	-3.31
	5775	155	CDD	AVG	17.70	17.74	20.73	30.00	-9.27	3.04	23.77	-	-

Table 7-111. ISCED CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.25	14.12	17.20	-	-	2.42	19.62	23.01	-3.39
	5290	58	CDD	AVG	12.50	12.50	15.51	23.98	-8.47	3.15	18.66	30.00	-11.34
	5530	106	CDD	AVG	12.98	12.97	15.99	23.98	-7.99	3.72	19.71	30.00	-10.29
	5690	138	CDD	AVG	19.85	20.00	22.94	23.98	-1.04	3.72	26.66	30.00	-3.34
	5775	155	CDD	AVG	16.98	17.00	20.00	30.00	-10.00	3.04	23.04	-	-

Table 7-112. ISCED CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 106 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.50	14.37	17.45	-	-	2.42	19.87	23.01	-3.14
	5290	58	CDD	AVG	13.25	13.25	16.26	23.98	-7.72	3.15	19.41	30.00	-10.59
	5530	106	CDD	AVG	13.50	13.50	16.51	23.98	-7.47	3.72	20.23	30.00	-9.77
	5690	138	CDD	AVG	19.95	19.94	22.96	23.98	-1.02	3.72	26.68	30.00	-3.32
	5775	155	CDD	AVG	17.95	18.00	20.99	30.00	-9.01	3.04	24.03	-	-

Table 7-113. ISED CDD Primary 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.00	14.00	17.01	-	-	2.42	19.43	23.01	-3.58
	5290	58	CDD	AVG	13.00	13.00	16.01	23.98	-7.97	3.15	19.16	30.00	-10.84
	5530	106	CDD	AVG	13.00	13.00	16.01	23.98	-7.97	3.72	19.73	30.00	-10.27
	5690	138	CDD	AVG	19.85	19.98	22.93	23.98	-1.05	3.72	26.65	30.00	-3.35
	5775	155	CDD	AVG	17.25	17.16	20.22	30.00	-9.78	3.04	23.26	-	-

Table 7-114. ISED CDD Primary 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.28	13.40	16.35	-	-	2.42	18.77	23.01	-4.24
	5290	58	CDD	AVG	12.44	12.39	15.43	23.98	-8.55	3.15	18.58	30.00	-11.42
	5530	106	CDD	AVG	12.40	12.49	15.46	23.98	-8.52	3.72	19.18	30.00	-10.82
	5690	138	CDD	AVG	19.88	20.00	22.95	23.98	-1.03	3.72	26.67	30.00	-3.33
	5775	155	CDD	AVG	16.81	16.93	19.88	30.00	-10.12	3.04	22.92	-	-

Table 7-115. ISED CDD Primary 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 107 of 564

7.4.9 FCC CDD Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.89	15.91	18.91	23.98	-5.07
	5200	40	CDD	AVG	15.81	15.97	18.90	23.98	-5.08
	5240	48	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5260	52	CDD	AVG	16.00	15.91	18.97	23.98	-5.01
	5300	60	CDD	AVG	16.00	15.98	19.00	23.98	-4.98
	5320	64	CDD	AVG	15.87	15.91	18.90	23.98	-5.08
	5500	100	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5580	116	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5680	136	CDD	AVG	16.00	15.90	18.96	23.98	-5.02
	5700	140	CDD	AVG	15.50	15.50	18.51	23.98	-5.47
	5720	144	CDD	AVG	16.00	15.86	18.94	23.98	-5.04
	5745	149	CDD	AVG	19.93	20.00	22.98	30.00	-7.02
	5785	157	CDD	AVG	19.96	19.99	22.99	30.00	-7.01
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-116. FCC CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.94	16.00	18.98	23.98	-5.00
	5200	40	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5260	52	CDD	AVG	15.90	15.94	18.93	23.98	-5.05
	5300	60	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5320	64	CDD	AVG	15.89	15.85	18.88	23.98	-5.10
	5500	100	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5580	116	CDD	AVG	15.98	15.85	18.93	23.98	-5.05
	5680	136	CDD	AVG	16.00	15.97	19.00	23.98	-4.98
	5700	140	CDD	AVG	14.50	14.47	17.50	23.98	-6.48
	5720	144	CDD	AVG	15.87	16.00	18.95	23.98	-5.03
	5745	149	CDD	AVG	20.00	19.99	23.01	30.00	-6.99
	5785	157	CDD	AVG	19.95	20.00	22.99	30.00	-7.01
	5825	165	CDD	AVG	20.00	19.96	22.99	30.00	-7.01

Table 7-117. FCC CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 108 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	16.00	15.90	18.96	23.98	-5.02
	5200	40	CDD	AVG	15.93	15.90	18.93	23.98	-5.05
	5240	48	CDD	AVG	15.91	15.89	18.91	23.98	-5.07
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	16.00	15.91	18.97	23.98	-5.01
	5320	64	CDD	AVG	15.85	16.00	18.94	23.98	-5.04
	5500	100	CDD	AVG	15.75	15.75	18.76	23.98	-5.22
	5520	104	CDD	AVG	15.89	15.90	18.91	23.98	-5.07
	5580	116	CDD	AVG	15.97	15.75	18.87	23.98	-5.11
	5680	136	CDD	AVG	15.85	15.87	18.87	23.98	-5.11
	5700	140	CDD	AVG	13.50	13.50	16.51	23.98	-7.47
	5720	144	CDD	AVG	15.99	15.98	19.00	23.98	-4.98
	5745	149	CDD	AVG	19.96	19.91	22.95	30.00	-7.05
	5785	157	CDD	AVG	19.87	19.94	22.92	30.00	-7.08
	5825	165	CDD	AVG	19.96	20.00	22.99	30.00	-7.01

Table 7-118. FCC CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.88	15.96	18.93	23.98	-5.05
	5200	40	CDD	AVG	15.94	15.90	18.93	23.98	-5.05
	5240	48	CDD	AVG	15.92	16.00	18.97	23.98	-5.01
	5260	52	CDD	AVG	16.00	15.91	18.97	23.98	-5.01
	5300	60	CDD	AVG	15.95	15.93	18.95	23.98	-5.03
	5320	64	CDD	AVG	15.89	15.90	18.91	23.98	-5.07
	5500	100	CDD	AVG	15.96	16.00	18.99	23.98	-4.99
	5580	116	CDD	AVG	15.92	15.94	18.94	23.98	-5.04
	5680	136	CDD	AVG	15.95	15.93	18.95	23.98	-5.03
	5700	140	CDD	AVG	15.40	15.42	18.42	23.98	-5.56
	5720	144	CDD	AVG	15.92	15.97	18.96	23.98	-5.02
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5785	157	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-119. FCC CDD Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 109 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5200	40	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	16.00	15.88	18.95	23.98	-5.03
	5260	52	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	15.86	15.92	18.90	23.98	-5.08
	5320	64	CDD	AVG	15.83	16.00	18.93	23.98	-5.05
	5500	100	CDD	AVG	15.97	15.98	18.99	23.98	-4.99
	5580	116	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5680	136	CDD	AVG	15.89	15.85	18.88	23.98	-5.10
	5700	140	CDD	AVG	14.50	14.50	17.51	23.98	-6.47
	5720	144	CDD	AVG	16.00	15.85	18.94	23.98	-5.04
	5745	149	CDD	AVG	20.00	19.83	22.93	30.00	-7.07
	5785	157	CDD	AVG	19.91	20.00	22.97	30.00	-7.03
	5825	165	CDD	AVG	19.93	19.86	22.91	30.00	-7.09

Table 7-120. FCC CDD Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.93	15.98	18.97	23.98	-5.01
	5200	40	CDD	AVG	15.91	15.94	18.94	23.98	-5.04
	5240	48	CDD	AVG	15.96	16.00	18.99	23.98	-4.99
	5260	52	CDD	AVG	15.91	15.75	18.84	23.98	-5.14
	5300	60	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5320	64	CDD	AVG	15.99	16.00	19.01	23.98	-4.97
	5500	100	CDD	AVG	15.63	15.74	18.70	23.98	-5.28
	5520	104	CDD	AVG	15.97	15.88	18.94	23.98	-5.04
	5580	116	CDD	AVG	15.95	16.00	18.99	23.98	-4.99
	5680	136	CDD	AVG	15.97	16.00	19.00	23.98	-4.98
	5700	140	CDD	AVG	13.41	13.41	16.42	23.98	-7.56
	5720	144	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5745	149	CDD	AVG	19.98	20.00	23.00	30.00	-7.00
	5785	157	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-121. FCC CDD Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 110 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.97	15.95	18.97	23.98	-5.01
	5200	40	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5240	48	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5300	60	CDD	AVG	16.00	15.88	18.95	23.98	-5.03
	5320	64	CDD	AVG	16.00	16.00	19.01	23.98	-4.97
	5500	100	CDD	AVG	15.99	15.95	18.98	23.98	-5.00
	5580	116	CDD	AVG	15.90	16.00	18.96	23.98	-5.02
	5680	136	CDD	AVG	15.90	15.99	18.96	23.98	-5.02
	5700	140	CDD	AVG	14.27	14.50	17.40	23.98	-6.58
	5720	144	CDD	AVG	15.92	15.88	18.91	23.98	-5.07
	5745	149	CDD	AVG	20.00	19.92	22.97	30.00	-7.03
	5785	157	CDD	AVG	19.97	20.00	23.00	30.00	-7.00
	5825	165	CDD	AVG	19.98	20.00	23.00	30.00	-7.00

Table 7-122. FCC CDD Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.90	16.00	18.96	23.98	-5.02
	5200	40	CDD	AVG	15.86	16.00	18.94	23.98	-5.04
	5240	48	CDD	AVG	15.90	16.00	18.96	23.98	-5.02
	5260	52	CDD	AVG	16.00	15.88	18.95	23.98	-5.03
	5300	60	CDD	AVG	16.00	15.90	18.96	23.98	-5.02
	5320	64	CDD	AVG	15.98	16.00	19.00	23.98	-4.98
	5500	100	CDD	AVG	15.82	16.00	18.92	23.98	-5.06
	5580	116	CDD	AVG	16.00	15.95	18.99	23.98	-4.99
	5680	136	CDD	AVG	15.84	15.91	18.89	23.98	-5.09
	5700	140	CDD	AVG	13.92	13.81	16.88	23.98	-7.10
	5720	144	CDD	AVG	15.91	16.00	18.97	23.98	-5.01
	5745	149	CDD	AVG	19.95	20.00	22.99	30.00	-7.01
	5785	157	CDD	AVG	20.00	19.95	22.99	30.00	-7.01
	5825	165	CDD	AVG	20.00	19.95	22.99	30.00	-7.01

Table 7-123. FCC CDD Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 111 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5180	36	CDD	AVG	15.85	15.75	18.81	23.98	-5.17
	5200	40	CDD	AVG	15.88	15.90	18.90	23.98	-5.08
	5240	48	CDD	AVG	15.87	15.98	18.94	23.98	-5.04
	5260	52	CDD	AVG	15.81	15.99	18.91	23.98	-5.07
	5300	60	CDD	AVG	15.99	15.83	18.92	23.98	-5.06
	5320	64	CDD	AVG	15.89	15.90	18.91	23.98	-5.07
	5500	100	CDD	AVG	15.22	15.10	18.17	23.98	-5.81
	5520	104	CDD	AVG	15.99	15.89	18.95	23.98	-5.03
	5580	116	CDD	AVG	15.86	15.82	18.85	23.98	-5.13
	5680	136	CDD	AVG	15.80	15.87	18.85	23.98	-5.13
	5700	140	CDD	AVG	12.94	12.80	15.88	23.98	-8.10
	5720	144	CDD	AVG	15.84	15.95	18.91	23.98	-5.07
	5745	149	CDD	AVG	19.81	19.93	22.88	30.00	-7.12
	5785	157	CDD	AVG	19.85	20.00	22.94	30.00	-7.06
	5825	165	CDD	AVG	19.91	19.96	22.95	30.00	-7.05

Table 7-124. FCC CDD Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5190	38	CDD	AVG	15.96	16.00	18.99	23.98	-4.99
	5230	46	CDD	AVG	19.50	19.45	22.49	23.98	-1.49
	5270	54	CDD	AVG	19.42	19.45	22.45	23.98	-1.53
	5310	62	CDD	AVG	15.52	15.50	18.52	23.98	-5.46
	5510	102	CDD	AVG	15.12	15.00	18.07	23.98	-5.91
	5550	110	CDD	AVG	19.40	19.43	22.43	23.98	-1.55
	5590	118	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5630	126	CDD	AVG	19.47	19.50	22.50	23.98	-1.48
	5670	134	CDD	AVG	17.50	17.40	20.46	23.98	-3.52
	5710	142	CDD	AVG	19.40	19.50	22.46	23.98	-1.52
	5755	151	CDD	AVG	19.91	20.00	22.97	30.00	-7.03
	5795	159	CDD	AVG	20.00	19.97	23.00	30.00	-7.00

Table 7-125. FCC CDD Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device		Page 112 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5190	38	CDD	AVG	14.90	14.93	17.93	23.98	-6.05
	5230	46	CDD	AVG	19.47	19.42	22.46	23.98	-1.52
	5270	54	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5310	62	CDD	AVG	15.00	15.00	18.01	23.98	-5.97
	5510	102	CDD	AVG	13.96	13.85	16.92	23.98	-7.06
	5550	110	CDD	AVG	19.46	19.50	22.49	23.98	-1.49
	5590	118	CDD	AVG	19.40	19.40	22.41	23.98	-1.57
	5630	126	CDD	AVG	19.45	19.50	22.49	23.98	-1.49
	5670	134	CDD	AVG	16.44	16.41	19.44	23.98	-4.54
	5710	142	CDD	AVG	19.44	19.33	22.40	23.98	-1.58
	5755	151	CDD	AVG	20.00	19.90	22.96	30.00	-7.04
	5795	159	CDD	AVG	19.92	20.00	22.97	30.00	-7.03

Table 7-126. FCC CDD Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5190	38	CDD	AVG	14.00	13.95	16.99	23.98	-6.99
	5230	46	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5270	54	CDD	AVG	19.40	18.95	22.19	23.98	-1.79
	5310	62	CDD	AVG	13.90	13.75	16.84	23.98	-7.14
	5510	102	CDD	AVG	12.73	12.50	15.63	23.98	-8.35
	5550	110	CDD	AVG	18.91	18.93	21.93	23.98	-2.05
	5590	118	CDD	AVG	19.38	19.50	22.45	23.98	-1.53
	5630	126	CDD	AVG	19.38	19.50	22.45	23.98	-1.53
	5670	134	CDD	AVG	15.85	15.89	18.88	23.98	-5.10
	5710	142	CDD	AVG	19.50	19.42	22.47	23.98	-1.51
	5755	151	CDD	AVG	19.92	19.50	22.73	30.00	-7.27
	5795	159	CDD	AVG	19.79	19.50	22.50	30.00	-7.50

Table 7-127. FCC CDD Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 113 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5190	38	CDD	AVG	15.50	15.50	18.51	23.98	-5.47
	5230	46	CDD	AVG	19.41	19.50	22.47	23.98	-1.51
	5270	54	CDD	AVG	19.25	19.25	22.26	23.98	-1.72
	5310	62	CDD	AVG	14.54	14.50	17.53	23.98	-6.45
	5510	102	CDD	AVG	14.32	14.23	17.29	23.98	-6.69
	5550	110	CDD	AVG	19.28	19.40	22.35	23.98	-1.63
	5590	118	CDD	AVG	19.50	19.41	22.47	23.98	-1.51
	5630	126	CDD	AVG	19.50	19.29	22.41	23.98	-1.57
	5670	134	CDD	AVG	16.50	16.40	19.46	23.98	-4.52
	5710	142	CDD	AVG	19.49	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	19.90	19.94	22.93	30.00	-7.07
	5795	159	CDD	AVG	19.94	19.99	22.98	30.00	-7.02

Table 7-128. FCC CDD Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5190	38	CDD	AVG	14.25	14.30	17.29	23.98	-6.69
	5230	46	CDD	AVG	19.49	19.50	22.51	23.98	-1.47
	5270	54	CDD	AVG	19.50	19.50	22.51	23.98	-1.47
	5310	62	CDD	AVG	13.78	14.00	16.90	23.98	-7.08
	5510	102	CDD	AVG	13.50	13.50	16.51	23.98	-7.47
	5550	110	CDD	AVG	19.00	18.98	22.00	23.98	-1.98
	5590	118	CDD	AVG	19.48	19.50	22.50	23.98	-1.48
	5630	126	CDD	AVG	19.50	19.45	22.49	23.98	-1.49
	5670	134	CDD	AVG	16.00	15.90	18.96	23.98	-5.02
	5710	142	CDD	AVG	19.49	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	20.00	20.00	23.01	30.00	-6.99
	5795	159	CDD	AVG	20.00	20.00	23.01	30.00	-6.99

Table 7-129. FCC CDD Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 114 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5190	38	CDD	AVG	13.91	13.99	16.96	23.98	-7.02
	5230	46	CDD	AVG	19.49	19.41	22.46	23.98	-1.52
	5270	54	CDD	AVG	19.46	19.48	22.48	23.98	-1.50
	5310	62	CDD	AVG	13.22	13.38	16.31	23.98	-7.67
	5510	102	CDD	AVG	12.39	12.33	15.37	23.98	-8.61
	5550	110	CDD	AVG	18.28	18.38	21.34	23.98	-2.64
	5590	118	CDD	AVG	19.38	19.35	22.38	23.98	-1.60
	5630	126	CDD	AVG	19.36	19.41	22.40	23.98	-1.58
	5670	134	CDD	AVG	15.47	15.39	18.44	23.98	-5.54
	5710	142	CDD	AVG	19.41	19.43	22.43	23.98	-1.55
	5755	151	CDD	AVG	19.79	19.85	22.83	30.00	-7.17
	5795	159	CDD	AVG	19.81	19.90	22.87	30.00	-7.13

Table 7-130. FCC CDD Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5210	42	CDD	AVG	15.91	16.00	18.97	23.98	-5.01
	5290	58	CDD	AVG	14.00	13.92	16.97	23.98	-7.01
	5530	106	CDD	AVG	14.50	14.51	17.52	23.98	-6.46
	5610	122	CDD	AVG	18.98	18.97	21.99	23.98	-1.99
	5690	138	CDD	AVG	19.90	19.94	22.93	23.98	-1.05
	5775	155	CDD	AVG	19.00	19.00	22.01	30.00	-7.99

Table 7-131. FCC CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5210	42	CDD	AVG	14.78	14.85	17.83	23.98	-6.15
	5290	58	CDD	AVG	13.25	13.23	16.25	23.98	-7.73
	5530	106	CDD	AVG	13.69	13.75	16.73	23.98	-7.25
	5610	122	CDD	AVG	18.00	17.96	20.99	23.98	-2.99
	5690	138	CDD	AVG	20.00	20.00	23.01	23.98	-0.97
	5775	155	CDD	AVG	17.74	17.75	20.76	30.00	-9.24

Table 7-132. FCC CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 115 of 564

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5210	42	CDD	AVG	14.05	14.07	17.07	23.98	-6.91
	5290	58	CDD	AVG	12.40	12.28	15.35	23.98	-8.63
	5530	106	CDD	AVG	12.92	12.90	15.92	23.98	-8.06
	5610	122	CDD	AVG	17.45	17.31	20.39	23.98	-3.59
	5690	138	CDD	AVG	19.85	19.77	22.82	23.98	-1.16
	5775	155	CDD	AVG	16.98	16.86	19.93	30.00	-10.07

Table 7-133. FCC CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5210	42	CDD	AVG	14.48	14.44	17.47	23.98	-6.51
	5290	58	CDD	AVG	13.25	13.25	16.26	23.98	-7.72
	5530	106	CDD	AVG	13.50	13.50	16.51	23.98	-7.47
	5610	122	CDD	AVG	17.90	17.79	20.86	23.98	-3.12
	5690	138	CDD	AVG	20.00	19.86	22.94	23.98	-1.04
	5775	155	CDD	AVG	17.87	17.98	20.94	30.00	-9.06

Table 7-134. FCC CDD Diversity 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5210	42	CDD	AVG	13.99	14.00	17.01	23.98	-6.97
	5290	58	CDD	AVG	12.92	13.00	15.97	23.98	-8.01
	5530	106	CDD	AVG	12.85	13.00	15.94	23.98	-8.04
	5610	122	CDD	AVG	17.50	17.25	20.39	23.98	-3.59
	5690	138	CDD	AVG	19.98	20.00	23.00	23.98	-0.98
	5775	155	CDD	AVG	17.23	17.25	20.25	30.00	-9.75

Table 7-135. FCC CDD Diversity 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 2B	Antenna 3A	Summed		
	5210	42	CDD	AVG	13.42	13.44	16.44	23.98	-7.54
	5290	58	CDD	AVG	12.39	12.35	15.38	23.98	-8.60
	5530	106	CDD	AVG	12.45	12.38	15.43	23.98	-8.55
	5610	122	CDD	AVG	16.47	16.34	19.42	23.98	-4.56
	5690	138	CDD	AVG	19.87	19.73	22.81	23.98	-1.17
	5775	155	CDD	AVG	16.73	16.88	19.82	30.00	-10.18

Table 7-136. FCC CDD Diversity 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 116 of 564

7.4.10 ISED CDD/SDM Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	CDD	AVG	10.75	10.75	13.76	-	-	3.14	16.90	23.01	-6.11
	5200	40	CDD	AVG	10.67	10.68	13.69	-	-	3.14	16.83	23.01	-6.18
	5240	48	CDD	AVG	10.60	10.66	13.64	-	-	3.14	16.78	23.01	-6.23
	5260	52	CDD	AVG	16.00	15.91	18.97	23.98	-5.01	3.81	22.78	30.00	-7.22
	5300	60	CDD	AVG	16.00	15.98	19.00	23.98	-4.98	3.81	22.81	30.00	-7.19
	5320	64	CDD	AVG	15.87	15.91	18.90	23.98	-5.08	3.81	22.71	30.00	-7.29
	5500	100	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.77	22.78	30.00	-7.22
	5580	116	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.77	22.78	30.00	-7.22
	5680	136	CDD	AVG	16.00	15.90	18.96	23.98	-5.02	3.77	22.73	30.00	-7.27
	5700	140	CDD	AVG	15.50	15.50	18.51	23.98	-5.47	3.77	22.28	30.00	-7.72
	5720	144	CDD	AVG	16.00	15.86	18.94	23.98	-5.04	3.77	22.71	30.00	-7.29
	5745	149	CDD	AVG	19.93	20.00	22.98	30.00	-7.02	2.98	25.96	-	-
	5785	157	CDD	AVG	19.96	19.99	22.99	30.00	-7.01	2.98	25.97	-	-
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-

Table 7-137. ISED CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	CDD	AVG	10.65	10.75	13.71	-	-	3.14	16.85	23.01	-6.16
	5200	40	CDD	AVG	10.73	10.72	13.74	-	-	3.14	16.88	23.01	-6.13
	5240	48	CDD	AVG	10.75	10.74	13.76	-	-	3.14	16.90	23.01	-6.11
	5260	52	CDD	AVG	15.90	15.94	18.93	23.98	-5.05	3.81	22.74	30.00	-7.26
	5300	60	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5320	64	CDD	AVG	15.89	15.85	18.88	23.98	-5.10	3.81	22.69	30.00	-7.31
	5500	100	CDD	AVG	16.00	15.95	18.99	23.98	-4.99	3.77	22.76	30.00	-7.24
	5580	116	CDD	AVG	15.98	15.85	18.93	23.98	-5.05	3.77	22.70	30.00	-7.30
	5680	136	CDD	AVG	16.00	15.97	19.00	23.98	-4.98	3.77	22.77	30.00	-7.23
	5700	140	CDD	AVG	14.50	14.47	17.50	23.98	-6.48	3.77	21.27	30.00	-8.73
	5720	144	CDD	AVG	15.87	16.00	18.95	23.98	-5.03	3.77	22.72	30.00	-7.28
	5745	149	CDD	AVG	20.00	19.99	23.01	30.00	-6.99	2.98	25.99	-	-
	5785	157	CDD	AVG	19.95	20.00	22.99	30.00	-7.01	2.98	25.97	-	-
	5825	165	CDD	AVG	20.00	19.96	22.99	30.00	-7.01	2.98	25.97	-	-

Table 7-138. ISED CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	CDD	AVG	10.75	10.71	13.74	-	-	3.14	16.88	23.01	-6.13
	5200	40	CDD	AVG	10.70	10.58	13.65	-	-	3.14	16.79	23.01	-6.22
	5240	48	CDD	AVG	10.75	10.63	13.70	-	-	3.14	16.84	23.01	-6.17
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5300	60	CDD	AVG	16.00	15.91	18.97	23.98	-5.01	3.81	22.78	30.00	-7.22
	5320	64	CDD	AVG	15.85	16.00	18.94	23.98	-5.04	3.81	22.75	30.00	-7.25
	5500	100	CDD	AVG	15.75	15.75	18.76	23.98	-5.22	3.77	22.53	30.00	-7.47
	5520	104	CDD	AVG	15.89	15.90	18.91	23.98	-5.07	3.77	22.68	30.00	-7.32
	5580	116	CDD	AVG	15.97	15.75	18.87	23.98	-5.11	3.77	22.64	30.00	-7.36
	5680	136	CDD	AVG	15.85	15.87	18.87	23.98	-5.11	3.77	22.64	30.00	-7.36
	5700	140	CDD	AVG	13.50	13.50	16.51	23.98	-7.47	3.77	20.28	30.00	-9.72
	5720	144	CDD	AVG	15.99	15.98	19.00	23.98	-4.98	3.77	22.77	30.00	-7.23
	5745	149	CDD	AVG	19.96	19.91	22.95	30.00	-7.05	2.98	25.93	-	-
	5785	157	CDD	AVG	19.87	19.94	22.92	30.00	-7.08	2.98	25.90	-	-
	5825	165	CDD	AVG	19.96	20.00	22.99	30.00	-7.01	2.98	25.97	-	-

Table 7-139. ISED CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 117 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.75	16.76	-	-	0.20	16.96	23.01	-6.05
	5200	40	SDM	AVG	13.65	13.57	16.62	-	-	0.20	16.82	23.01	-6.19
	5240	48	SDM	AVG	13.60	13.50	16.56	-	-	0.20	16.76	23.01	-6.25
	5260	52	CDD	AVG	16.00	15.91	18.97	23.98	-5.01	3.81	22.78	30.00	-7.22
	5300	60	CDD	AVG	15.95	15.93	18.95	23.98	-5.03	3.81	22.76	30.00	-7.24
	5320	64	CDD	AVG	15.89	15.90	18.91	23.98	-5.07	3.81	22.72	30.00	-7.28
	5500	100	CDD	AVG	15.96	16.00	18.99	23.98	-4.99	3.77	22.76	30.00	-7.24
	5580	116	CDD	AVG	15.92	15.94	18.94	23.98	-5.04	3.77	22.71	30.00	-7.29
	5680	136	CDD	AVG	15.95	15.93	18.95	23.98	-5.03	3.77	22.72	30.00	-7.28
	5700	140	CDD	AVG	15.40	15.42	18.42	23.98	-5.56	3.77	22.19	30.00	-7.81
	5720	144	CDD	AVG	15.92	15.97	18.96	23.98	-5.02	3.77	22.73	30.00	-7.27
	5745	149	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-
	5785	157	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-

Table 7-140. ISCED CDD/SDM Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.75	13.75	16.76	-	-	0.20	16.96	23.01	-6.05
	5200	40	SDM	AVG	13.75	13.73	16.75	-	-	0.20	16.95	23.01	-6.06
	5240	48	SDM	AVG	13.72	13.75	16.75	-	-	0.20	16.95	23.01	-6.06
	5260	52	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5300	60	CDD	AVG	15.86	15.92	18.90	23.98	-5.08	3.81	22.71	30.00	-7.29
	5320	64	CDD	AVG	15.83	16.00	18.93	23.98	-5.05	3.81	22.74	30.00	-7.26
	5500	100	CDD	AVG	15.97	15.98	18.99	23.98	-4.99	3.77	22.76	30.00	-7.24
	5580	116	CDD	AVG	16.00	15.95	18.99	23.98	-4.99	3.77	22.76	30.00	-7.24
	5680	136	CDD	AVG	15.89	15.85	18.88	23.98	-5.10	3.77	22.65	30.00	-7.35
	5700	140	CDD	AVG	14.50	14.50	17.51	23.98	-6.47	3.77	21.28	30.00	-8.72
	5720	144	CDD	AVG	16.00	15.85	18.94	23.98	-5.04	3.77	22.71	30.00	-7.29
	5745	149	CDD	AVG	20.00	19.83	22.93	30.00	-7.07	2.98	25.91	-	-
	5785	157	CDD	AVG	19.91	20.00	22.97	30.00	-7.03	2.98	25.95	-	-
	5825	165	CDD	AVG	19.93	19.86	22.91	30.00	-7.09	2.98	25.89	-	-

Table 7-141. ISCED CDD/SDM Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.47	13.75	16.62	-	-	0.20	16.82	23.01	-6.19
	5200	40	SDM	AVG	13.75	13.67	16.72	-	-	0.20	16.92	23.01	-6.09
	5240	48	SDM	AVG	13.58	13.72	16.66	-	-	0.20	16.86	23.01	-6.15
	5260	52	CDD	AVG	15.91	15.75	18.84	23.98	-5.14	3.81	22.65	30.00	-7.35
	5300	60	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5320	64	CDD	AVG	15.99	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5500	100	CDD	AVG	15.63	15.74	18.70	23.98	-5.28	3.77	22.47	30.00	-7.53
	5520	104	CDD	AVG	15.97	15.88	18.94	23.98	-5.04	3.77	22.71	30.00	-7.29
	5580	116	CDD	AVG	15.95	16.00	18.99	23.98	-4.99	3.77	22.76	30.00	-7.24
	5680	136	CDD	AVG	15.97	16.00	19.00	23.98	-4.98	3.77	22.77	30.00	-7.23
	5700	140	CDD	AVG	13.41	13.41	16.42	23.98	-7.56	3.77	20.19	30.00	-9.81
	5720	144	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.77	22.78	30.00	-7.22
	5745	149	CDD	AVG	19.98	20.00	23.00	30.00	-7.00	2.98	25.98	-	-
	5785	157	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-
	5825	165	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-

Table 7-142. ISCED CDD/SDM Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 118 of 564

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.58	13.56	16.58	-	-	0.20	16.78	23.01	-6.23
	5200	40	SDM	AVG	13.69	13.71	16.71	-	-	0.20	16.91	23.01	-6.10
	5240	48	SDM	AVG	13.75	13.75	16.76	-	-	0.20	16.96	23.01	-6.05
	5260	52	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5300	60	CDD	AVG	16.00	15.88	18.95	23.98	-5.03	3.81	22.76	30.00	-7.24
	5320	64	CDD	AVG	16.00	16.00	19.01	23.98	-4.97	3.81	22.82	30.00	-7.18
	5500	100	CDD	AVG	15.99	15.95	18.98	23.98	-5.00	3.77	22.75	30.00	-7.25
	5580	116	CDD	AVG	15.90	16.00	18.96	23.98	-5.02	3.77	22.73	30.00	-7.27
	5680	136	CDD	AVG	15.90	15.99	18.96	23.98	-5.02	3.77	22.73	30.00	-7.27
	5700	140	CDD	AVG	14.27	14.50	17.40	23.98	-6.58	3.77	21.17	30.00	-8.83
	5720	144	CDD	AVG	15.92	15.88	18.91	23.98	-5.07	3.77	22.68	30.00	-7.32
	5745	149	CDD	AVG	20.00	19.92	22.97	30.00	-7.03	2.98	25.95	-	-
	5785	157	CDD	AVG	19.97	20.00	23.00	30.00	-7.00	2.98	25.98	-	-
	5825	165	CDD	AVG	19.98	20.00	23.00	30.00	-7.00	2.98	25.98	-	-

Table 7-143. ISCED CDD/SDM Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.70	13.73	16.73	-	-	0.20	16.93	23.01	-6.08
	5200	40	SDM	AVG	13.75	13.75	16.76	-	-	0.20	16.96	23.01	-6.05
	5240	48	SDM	AVG	13.68	13.72	16.71	-	-	0.20	16.91	23.01	-6.10
	5260	52	CDD	AVG	16.00	15.88	18.95	23.98	-5.03	3.81	22.76	30.00	-7.24
	5300	60	CDD	AVG	16.00	15.90	18.96	23.98	-5.02	3.81	22.77	30.00	-7.23
	5320	64	CDD	AVG	15.98	16.00	19.00	23.98	-4.98	3.81	22.81	30.00	-7.19
	5500	100	CDD	AVG	15.82	16.00	18.92	23.98	-5.06	3.77	22.69	30.00	-7.31
	5580	116	CDD	AVG	16.00	15.95	18.99	23.98	-4.99	3.77	22.76	30.00	-7.24
	5680	136	CDD	AVG	15.84	15.91	18.89	23.98	-5.09	3.77	22.66	30.00	-7.34
	5700	140	CDD	AVG	13.92	13.81	16.88	23.98	-7.10	3.77	20.65	30.00	-9.35
	5720	144	CDD	AVG	15.91	16.00	18.97	23.98	-5.01	3.77	22.74	30.00	-7.26
	5745	149	CDD	AVG	19.95	20.00	22.99	30.00	-7.01	2.98	25.97	-	-
	5785	157	CDD	AVG	20.00	19.95	22.99	30.00	-7.01	2.98	25.97	-	-
	5825	165	CDD	AVG	20.00	19.95	22.99	30.00	-7.01	2.98	25.97	-	-

Table 7-144. ISCED CDD/SDM Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.70	13.42	16.57	-	-	0.20	16.77	23.01	-6.24
	5200	40	SDM	AVG	13.66	13.51	16.60	-	-	0.20	16.80	23.01	-6.21
	5240	48	SDM	AVG	13.75	13.50	16.64	-	-	0.20	16.84	23.01	-6.17
	5260	52	CDD	AVG	15.81	15.99	18.91	23.98	-5.07	3.81	22.72	30.00	-7.28
	5300	60	CDD	AVG	15.99	15.83	18.92	23.98	-5.06	3.81	22.73	30.00	-7.27
	5320	64	CDD	AVG	15.89	15.90	18.91	23.98	-5.07	3.81	22.72	30.00	-7.28
	5500	100	CDD	AVG	15.22	15.10	18.17	23.98	-5.81	3.77	21.94	30.00	-8.06
	5520	104	CDD	AVG	15.99	15.89	18.95	23.98	-5.03	3.77	22.72	30.00	-7.28
	5580	116	CDD	AVG	15.86	15.82	18.85	23.98	-5.13	3.77	22.62	30.00	-7.38
	5680	136	CDD	AVG	15.80	15.87	18.85	23.98	-5.13	3.77	22.62	30.00	-7.38
	5700	140	CDD	AVG	12.94	12.80	15.88	23.98	-8.10	3.77	19.65	30.00	-10.35
	5720	144	CDD	AVG	15.84	15.95	18.91	23.98	-5.07	3.77	22.68	30.00	-7.32
	5745	149	CDD	AVG	19.81	19.93	22.88	30.00	-7.12	2.98	25.86	-	-
	5785	157	CDD	AVG	19.85	20.00	22.94	30.00	-7.06	2.98	25.92	-	-
	5825	165	CDD	AVG	19.91	19.96	22.95	30.00	-7.05	2.98	25.93	-	-

Table 7-145. ISCED CDD/SDM Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 119 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	15.96	16.00	18.99	-	-	0.20	19.19	23.01	-3.82
	5230	46	SDM	AVG	18.19	18.24	21.23	-	-	0.20	21.43	23.01	-1.58
	5270	54	CDD	AVG	19.42	19.45	22.45	23.98	-1.53	3.81	26.26	30.00	-3.74
	5310	62	CDD	AVG	15.52	15.50	18.52	23.98	-5.46	3.81	22.33	30.00	-7.67
	5510	102	CDD	AVG	15.12	15.00	18.07	23.98	-5.91	3.77	21.84	30.00	-8.16
	5550	110	CDD	AVG	19.40	19.43	22.43	23.98	-1.55	3.77	26.20	30.00	-3.80
	5670	134	CDD	AVG	17.50	17.40	20.46	23.98	-3.52	3.77	24.23	30.00	-5.77
	5710	142	CDD	AVG	19.40	19.50	22.46	23.98	-1.52	3.77	26.23	30.00	-3.77
	5755	151	CDD	AVG	19.91	20.00	22.97	30.00	-7.03	2.98	25.95	-	-
	5795	159	CDD	AVG	20.00	19.97	23.00	30.00	-7.00	2.98	25.98	-	-

Table 7-146. ISED CDD/SDM Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.90	14.93	17.93	-	-	3.14	21.07	23.01	-1.94
	5230	46	SDM	AVG	18.22	18.12	21.18	-	-	0.20	21.38	23.01	-1.63
	5270	54	CDD	AVG	19.50	19.50	22.51	23.98	-1.47	3.81	26.32	30.00	-3.68
	5310	62	CDD	AVG	15.00	15.00	18.01	23.98	-5.97	3.81	21.82	30.00	-8.18
	5510	102	CDD	AVG	13.96	13.85	16.92	23.98	-7.06	3.77	20.69	30.00	-9.31
	5550	110	CDD	AVG	19.46	19.50	22.49	23.98	-1.49	3.77	26.26	30.00	-3.74
	5670	134	CDD	AVG	16.44	16.41	19.44	23.98	-4.54	3.77	23.21	30.00	-6.79
	5710	142	CDD	AVG	19.44	19.33	22.40	23.98	-1.58	3.77	26.17	30.00	-3.83
	5755	151	CDD	AVG	20.00	19.90	22.96	30.00	-7.04	2.98	25.94	-	-
	5795	159	CDD	AVG	19.92	20.00	22.97	30.00	-7.03	2.98	25.95	-	-

Table 7-147. ISED CDD/SDM Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.00	13.95	16.99	-	-	3.14	20.13	23.01	-2.88
	5230	46	SDM	AVG	18.14	18.18	21.17	-	-	0.20	21.37	23.01	-1.64
	5270	54	CDD	AVG	19.40	19.45	22.44	23.98	-1.54	3.81	26.25	30.00	-3.75
	5310	62	CDD	AVG	13.90	13.75	16.84	23.98	-7.14	3.81	20.65	30.00	-9.35
	5510	102	CDD	AVG	12.73	12.50	15.63	23.98	-8.35	3.77	19.40	30.00	-10.60
	5550	110	CDD	AVG	18.91	18.93	21.93	23.98	-2.05	3.77	25.70	30.00	-4.30
	5670	134	CDD	AVG	15.85	15.89	18.88	23.98	-5.10	3.77	22.65	30.00	-7.35
	5710	142	CDD	AVG	19.50	19.42	22.47	23.98	-1.51	3.77	26.24	30.00	-3.76
	5755	151	CDD	AVG	19.92	19.50	22.73	30.00	-7.27	2.98	25.71	-	-
	5795	159	CDD	AVG	19.88	19.92	22.91	30.00	-7.09	2.98	25.89	-	-

Table 7-148. ISED CDD/SDM Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	15.50	15.50	18.51	-	-	0.20	18.71	23.01	-4.30
	5230	46	SDM	AVG	18.22	18.25	21.25	-	-	0.20	21.45	23.01	-1.56
	5270	54	CDD	AVG	19.25	19.25	22.26	23.98	-1.72	3.81	26.07	30.00	-3.93
	5310	62	CDD	AVG	14.54	14.50	17.53	23.98	-6.45	3.81	21.34	30.00	-8.66
	5510	102	CDD	AVG	14.32	14.23	17.29	23.98	-6.69	3.77	21.06	30.00	-8.94
	5550	110	CDD	AVG	19.23	19.40	22.33	23.98	-1.65	3.77	26.10	30.00	-3.90
	5670	134	CDD	AVG	16.50	16.40	19.46	23.98	-4.52	3.77	23.23	30.00	-6.77
	5710	142	CDD	AVG	19.49	19.50	22.51	23.98	-1.47	3.77	26.28	30.00	-3.72
	5755	151	CDD	AVG	19.90	19.94	22.93	30.00	-7.07	2.98	25.91	-	-
	5795	159	CDD	AVG	19.94	19.99	22.98	30.00	-7.02	2.98	25.96	-	-

Table 7-149. ISED CDD/SDM Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 120 of 564

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.25	14.30	17.29	-	-	3.14	20.43	23.01	-2.58
	5230	46	SDM	AVG	18.25	18.25	21.26	-	-	0.20	21.46	23.01	-1.55
	5270	54	CDD	AVG	19.50	19.50	22.51	23.98	-1.47	3.81	26.32	30.00	-3.68
	5310	62	CDD	AVG	13.78	14.00	16.90	23.98	-7.08	3.81	20.71	30.00	-9.29
	5510	102	CDD	AVG	13.50	13.50	16.51	23.98	-7.47	3.77	20.28	30.00	-9.72
	5550	110	CDD	AVG	19.00	18.98	22.00	23.98	-1.98	3.77	25.77	30.00	-4.23
	5670	134	CDD	AVG	16.00	15.90	18.96	23.98	-5.02	3.77	22.73	30.00	-7.27
	5710	142	CDD	AVG	19.49	19.50	22.51	23.98	-1.47	3.77	26.28	30.00	-3.72
	5755	151	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-
	5795	159	CDD	AVG	20.00	20.00	23.01	30.00	-6.99	2.98	25.99	-	-

Table 7-150. ISED CDD/SDM Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.91	13.99	16.96	-	-	3.14	20.10	23.01	-2.91
	5230	46	SDM	AVG	18.25	18.22	21.25	-	-	0.20	21.45	23.01	-1.56
	5270	54	CDD	AVG	19.46	19.48	22.48	23.98	-1.50	3.81	26.29	30.00	-3.71
	5310	62	CDD	AVG	13.22	13.38	16.31	23.98	-7.67	3.81	20.12	30.00	-9.88
	5510	102	CDD	AVG	12.39	12.33	15.37	23.98	-8.61	3.77	19.14	30.00	-10.86
	5550	110	CDD	AVG	18.28	18.38	21.34	23.98	-2.64	3.77	25.11	30.00	-4.89
	5670	134	CDD	AVG	15.47	15.39	18.44	23.98	-5.54	3.77	22.21	30.00	-7.79
	5710	142	CDD	AVG	19.41	19.43	22.43	23.98	-1.55	3.77	26.20	30.00	-3.80
	5755	151	CDD	AVG	19.79	19.85	22.83	30.00	-7.17	2.98	25.81	-	-
	5795	159	CDD	AVG	19.81	19.90	22.87	30.00	-7.13	2.98	25.85	-	-

Table 7-151. ISED CDD/SDM Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	SDM	AVG	15.91	16.00	18.97	-	-	0.20	19.17	23.01	-3.84
	5290	58	CDD	AVG	14.00	13.92	16.97	23.98	-7.01	3.81	20.78	30.00	-9.22
	5530	106	CDD	AVG	14.50	14.49	17.51	23.98	-6.47	3.77	21.28	30.00	-8.72
	5690	138	CDD	AVG	19.90	19.94	22.93	23.98	-1.05	3.77	26.70	30.00	-3.30
	5775	155	CDD	AVG	19.00	19.00	22.01	30.00	-7.99	2.98	24.99	-	-

Table 7-152. ISED CDD/SDM Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.78	14.85	17.83	-	-	3.14	20.97	23.01	-2.04
	5290	58	CDD	AVG	13.25	13.23	16.25	23.98	-7.73	3.81	20.06	30.00	-9.94
	5530	106	CDD	AVG	13.69	13.75	16.73	23.98	-7.25	3.77	20.50	30.00	-9.50
	5690	138	CDD	AVG	20.00	20.00	23.01	23.98	-0.97	3.77	26.78	30.00	-3.22
	5775	155	CDD	AVG	17.74	17.75	20.76	30.00	-9.24	2.98	23.74	-	-

Table 7-153. ISED CDD 80MHz Diversity BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.05	14.07	17.07	-	-	3.14	20.21	23.01	-2.80
	5290	58	CDD	AVG	12.40	12.28	15.35	23.98	-8.63	3.81	19.16	30.00	-10.84
	5530	106	CDD	AVG	12.92	12.90	15.92	23.98	-8.06	3.77	19.69	30.00	-10.31
	5690	138	CDD	AVG	19.85	19.77	22.82	23.98	-1.16	3.77	26.59	30.00	-3.41
	5775	155	CDD	AVG	16.98	16.86	19.93	30.00	-10.07	2.98	22.91	-	-

Table 7-154. ISED CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

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5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	14.48	14.44	17.47	-	-	3.14	20.61	23.01	-2.40
	5290	58	CDD	AVG	13.25	13.25	16.26	23.98	-7.72	3.81	20.07	30.00	-9.93
	5530	106	CDD	AVG	13.50	13.50	16.51	23.98	-7.47	3.77	20.28	30.00	-9.72
	5690	138	CDD	AVG	20.00	19.86	22.94	23.98	-1.04	3.77	26.71	30.00	-3.29
	5775	155	CDD	AVG	17.87	17.98	20.94	30.00	-9.06	2.98	23.92	-	-

Table 7-155. ISCED CDD Diversity 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.99	14.00	17.01	-	-	3.14	20.15	23.01	-2.86
	5290	58	CDD	AVG	12.92	13.00	15.97	23.98	-8.01	3.81	19.78	30.00	-10.22
	5530	106	CDD	AVG	12.85	13.00	15.94	23.98	-8.04	3.77	19.71	30.00	-10.29
	5690	138	CDD	AVG	19.98	20.00	23.00	23.98	-0.98	3.77	26.77	30.00	-3.23
	5775	155	CDD	AVG	17.23	17.25	20.25	30.00	-9.75	2.98	23.23	-	-

Table 7-156. ISCED CDD Diversity 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [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	13.42	13.44	16.44	-	-	3.14	19.58	23.01	-3.43
	5290	58	CDD	AVG	12.39	12.35	15.38	23.98	-8.60	3.81	19.19	30.00	-10.81
	5530	106	CDD	AVG	12.45	12.38	15.43	23.98	-8.55	3.77	19.20	30.00	-10.80
	5690	138	CDD	AVG	19.87	19.73	22.81	23.98	-1.17	3.77	26.58	30.00	-3.42
	5775	155	CDD	AVG	16.73	16.88	19.82	30.00	-10.18	2.98	22.80	-	-

Table 7-157. ISCED CDD Diversity 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

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Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 1B 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 Section 14.4.3, the 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 Section 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/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 15.81 dBm for Antenna 2B and 16.00 dBm for Antenna 1B.

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

$$(15.81 \text{ dBm} + 16.00 \text{ dBm}) = (38.11 \text{ mW} + 39.81 \text{ mW}) = 77.92 \text{ mW} = 18.92 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 18.92 dBm with directional gain of -0.57 dBi.

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

$$18.92 \text{ dBm} + -0.57 \text{ dBi} = 18.35 \text{ dBm}$$

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7.5 Maximum Power Spectral Density – 802.11a/n/ac/ax(SU) §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 5.15 – 5.25GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band.

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

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2
KDB 789033 D02 v02r01 – Section F
ANSI C63.10-2013 – Section 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 $\geq 2 \times (\text{span/RBW})$
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. The data rates have been classified into three different groups; low data rate, middle data rate, and high data rate. All three data rate groups of data rate have been investigated and only the worst case data rate per group is reported.
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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7.5.1 Antenna 2B Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	6.5/7.2 (MCS0)	8.42	11.0	-2.58
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	8.58	11.0	-2.42
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	8.58	11.0	-2.42
	5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	7.84	11.0	-3.16
	5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	8.20	11.0	-2.81
	5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	8.33	11.0	-2.67
	5190	38	n (40MHz)	13.5/15 (MCS0)	3.19	11.0	-7.81
	5230	46	n (40MHz)	13.5/15 (MCS0)	7.12	11.0	-3.88
	5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	1.03	11.0	-9.97
	5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	5.32	11.0	-5.68
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	0.68	11.0	-10.32
	5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-1.98	11.0	-12.98
Band 2A	5260	52	n (20MHz)	6.5/7.2 (MCS0)	8.81	11.0	-2.19
	5280	56	n (20MHz)	6.5/7.2 (MCS0)	9.16	11.0	-1.84
	5320	64	n (20MHz)	6.5/7.2 (MCS0)	9.03	11.0	-1.97
	5260	52	ax (SU) (20MHz)	8/8.6 (MCS0)	8.47	11.0	-2.53
	5280	56	ax (SU) (20MHz)	8/8.6 (MCS0)	8.51	11.0	-2.49
	5320	64	ax (SU) (20MHz)	8/8.6 (MCS0)	6.47	11.0	-4.53
	5270	54	n (40MHz)	13.5/15 (MCS0)	7.28	11.0	-3.72
	5310	62	n (40MHz)	13.5/15 (MCS0)	3.79	11.0	-7.21
	5270	54	ax (SU) (40MHz)	16/17.2 (MCS0)	5.92	11.0	-5.08
	5310	62	ax (SU) (40MHz)	16/17.2 (MCS0)	0.67	11.0	-10.33
	5290	58	ac (80MHz)	29.3/32.5 (MCS0)	-0.91	11.0	-11.91
	5290	58	ax (SU) (80MHz)	34/36 (MCS0)	-3.28	11.0	-14.28
Band 2C	5500	100	n (20MHz)	6.5/7.2 (MCS0)	6.97	11.0	-4.03
	5580	116	n (20MHz)	6.5/7.2 (MCS0)	8.76	11.0	-2.24
	5720	144	n (20MHz)	6.5/7.2 (MCS0)	8.80	11.0	-2.20
	5500	100	ax (SU) (20MHz)	8/8.6 (MCS0)	6.59	11.0	-4.41
	5580	116	ax (SU) (20MHz)	8/8.6 (MCS0)	8.34	11.0	-2.66
	5720	144	ax (SU) (20MHz)	8/8.6 (MCS0)	8.51	11.0	-2.49
	5510	102	n (40MHz)	13.5/15 (MCS0)	2.92	11.0	-8.08
	5550	110	n (40MHz)	13.5/15 (MCS0)	7.24	11.0	-3.76
	5710	142	n (40MHz)	13.5/15 (MCS0)	7.28	11.0	-3.72
	5510	102	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.06	11.0	-11.06
	5550	110	ax (SU) (40MHz)	16/17.2 (MCS0)	5.75	11.0	-5.25
	5710	142	ax (SU) (40MHz)	16/17.2 (MCS0)	5.61	11.0	-5.39
	5530	106	ac (80MHz)	29.3/32.5 (MCS0)	0.62	11.0	-10.38
	5610	*122	ac (80MHz)	29.3/32.5 (MCS0)	4.48	11.0	-6.52
	5690	138	ac (80MHz)	29.3/32.5 (MCS0)	1.81	11.0	-9.19
	5530	106	ax (SU) (80MHz)	34/36 (MCS0)	-1.89	11.0	-12.89
	5610	*122	ax (SU) (80MHz)	34/36 (MCS0)	2.05	11.0	-8.95
	5690	138	ax (SU) (80MHz)	34/36 (MCS0)	0.68	11.0	-10.32

Table 7-158. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 2B (Low Data Rate)

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

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 125 of 564

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	26/28.9 (MCS3)	6.80	11.0	-4.20
	5200	40	n (20MHz)	26/28.9 (MCS3)	8.55	11.0	-2.45
	5240	48	n (20MHz)	26/28.9 (MCS3)	8.88	11.0	-2.12
	5180	36	ax (SU) (20MHz)	33/34.4 (MCS3)	5.67	11.0	-5.33
	5200	40	ax (SU) (20MHz)	33/34.4 (MCS3)	8.28	11.0	-2.72
	5240	48	ax (SU) (20MHz)	33/34.4 (MCS3)	8.49	11.0	-2.51
	5190	38	n (40MHz)	54/60 (MCS3)	2.13	11.0	-8.87
	5230	46	n (40MHz)	54/60 (MCS3)	7.00	11.0	-4.00
	5190	38	ax (SU) (40MHz)	65/68.8 (MCS3)	0.22	11.0	-10.78
	5230	46	ax (SU) (40MHz)	65/68.8 (MCS3)	5.69	11.0	-5.31
	5210	42	ac (80MHz)	117/130 (MCS3)	-0.06	11.0	-11.06
	5210	42	ax (SU) (80MHz)	136/144.1 (MCS3)	-2.25	11.0	-13.25
Band 2A	5260	52	n (20MHz)	26/28.9 (MCS3)	9.05	11.0	-1.95
	5280	56	n (20MHz)	26/28.9 (MCS3)	9.23	11.0	-1.77
	5320	64	n (20MHz)	26/28.9 (MCS3)	8.31	11.0	-2.69
	5260	52	ax (SU) (20MHz)	33/34.4 (MCS3)	8.71	11.0	-2.29
	5280	56	ax (SU) (20MHz)	33/34.4 (MCS3)	8.72	11.0	-2.28
	5320	64	ax (SU) (20MHz)	33/34.4 (MCS3)	7.11	11.0	-3.89
	5270	54	n (40MHz)	54/60 (MCS3)	7.71	11.0	-3.29
	5310	62	n (40MHz)	54/60 (MCS3)	3.34	11.0	-7.66
	5270	54	ax (SU) (40MHz)	65/68.8 (MCS3)	5.94	11.0	-5.06
	5310	62	ax (SU) (40MHz)	65/68.8 (MCS3)	0.24	11.0	-10.76
	5290	58	ac (80MHz)	117/130 (MCS3)	-0.91	11.0	-11.91
	5290	58	ax (SU) (80MHz)	136/144.1 (MCS3)	-3.13	11.0	-14.13
Band 2C	5500	100	n (20MHz)	26/28.9 (MCS3)	6.55	11.0	-4.45
	5580	116	n (20MHz)	26/28.9 (MCS3)	8.81	11.0	-2.19
	5720	144	n (20MHz)	26/28.9 (MCS3)	8.96	11.0	-2.04
	5500	100	ax (SU) (20MHz)	33/34.4 (MCS3)	5.96	11.0	-5.04
	5580	116	ax (SU) (20MHz)	33/34.4 (MCS3)	8.83	11.0	-2.17
	5720	144	ax (SU) (20MHz)	33/34.4 (MCS3)	8.83	11.0	-2.17
	5510	102	n (40MHz)	54/60 (MCS3)	1.84	11.0	-9.16
	5550	110	n (40MHz)	54/60 (MCS3)	7.52	11.0	-3.48
	5710	142	n (40MHz)	54/60 (MCS3)	7.62	11.0	-3.38
	5510	102	ax (SU) (40MHz)	65/68.8 (MCS3)	-0.34	11.0	-11.34
	5550	110	ax (SU) (40MHz)	65/68.8 (MCS3)	5.50	11.0	-5.50
	5710	142	ax (SU) (40MHz)	65/68.8 (MCS3)	6.10	11.0	-4.90
	5530	106	ac (80MHz)	117/130 (MCS3)	-0.63	11.0	-11.63
	5610	*122	ac (80MHz)	117/130 (MCS3)	4.01	11.0	-6.99
	5690	138	ac (80MHz)	117/130 (MCS3)	2.54	11.0	-8.46
	5530	106	ax (SU) (80MHz)	136/144.1 (MCS3)	-2.40	11.0	-13.40
	5610	*122	ax (SU) (80MHz)	136/144.1 (MCS3)	1.63	11.0	-9.37
	5690	138	ax (SU) (80MHz)	136/144.1 (MCS3)	1.16	11.0	-9.84

Table 7-159. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 2B (Mid Data Rate)

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

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 126 of 564

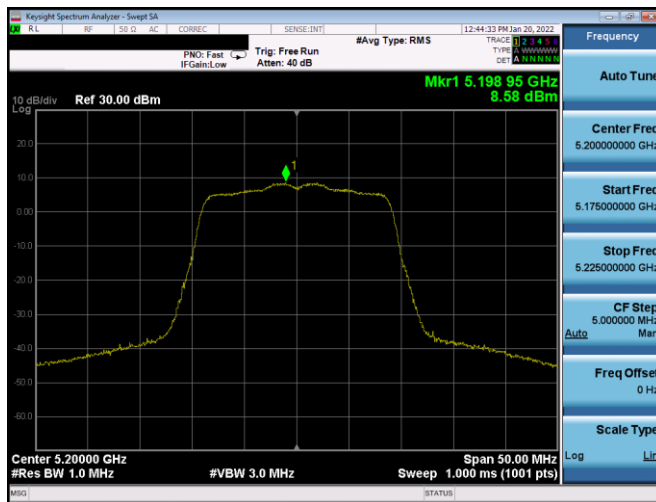
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	52/57.8 (MCS5)	6.44	11.0	-4.56
	5200	40	n (20MHz)	52/57.8 (MCS5)	8.78	11.0	-2.22
	5240	48	n (20MHz)	52/57.8 (MCS5)	8.80	11.0	-2.20
	5180	36	ax (SU) (20MHz)	65/68.8 (MCS5)	5.53	11.0	-5.47
	5200	40	ax (SU) (20MHz)	65/68.8 (MCS5)	8.36	11.0	-2.64
	5240	48	ax (SU) (20MHz)	65/68.8 (MCS5)	8.59	11.0	-2.42
	5190	38	n (40MHz)	108/120 (MCS5)	1.21	11.0	-9.79
	5230	46	n (40MHz)	108/120 (MCS5)	7.24	11.0	-3.76
	5190	38	ax (SU) (40MHz)	130/137.6 (MCS5)	-0.71	11.0	-11.71
	5230	46	ax (SU) (40MHz)	130/137.6 (MCS5)	5.25	11.0	-5.75
	5210	42	ac (80MHz)	234/260 (MCS5)	-0.69	11.0	-11.69
Band 2A	5210	42	ax (SU) (80MHz)	272/288.2 (MCS5)	-2.79	11.0	-13.79
	5260	52	n (20MHz)	52/57.8 (MCS5)	9.00	11.0	-2.00
	5280	56	n (20MHz)	52/57.8 (MCS5)	9.36	11.0	-1.64
	5320	64	n (20MHz)	52/57.8 (MCS5)	7.47	11.0	-3.53
	5260	52	ax (SU) (20MHz)	65/68.8 (MCS5)	8.92	11.0	-2.08
	5280	56	ax (SU) (20MHz)	65/68.8 (MCS5)	8.81	11.0	-2.19
	5320	64	ax (SU) (20MHz)	65/68.8 (MCS5)	6.63	11.0	-4.37
	5270	54	n (40MHz)	108/120 (MCS5)	7.70	11.0	-3.30
	5310	62	n (40MHz)	108/120 (MCS5)	2.48	11.0	-8.52
	5270	54	ax (SU) (40MHz)	130/137.6 (MCS5)	5.96	11.0	-5.04
	5310	62	ax (SU) (40MHz)	130/137.6 (MCS5)	1.78	11.0	-9.22
Band 2C	5290	58	ac (80MHz)	234/260 (MCS5)	-3.20	11.0	-14.20
	5290	58	ax (SU) (80MHz)	272/288.2 (MCS5)	-3.48	11.0	-14.48
	5500	100	n (20MHz)	52/57.8 (MCS5)	5.75	11.0	-5.25
	5580	116	n (20MHz)	52/57.8 (MCS5)	9.07	11.0	-1.93
	5720	144	n (20MHz)	52/57.8 (MCS5)	9.21	11.0	-1.79
	5500	100	ax (SU) (20MHz)	65/68.8 (MCS5)	4.86	11.0	-6.14
	5580	116	ax (SU) (20MHz)	65/68.8 (MCS5)	8.86	11.0	-2.14
	5720	144	ax (SU) (20MHz)	65/68.8 (MCS5)	8.91	11.0	-2.09
	5510	102	n (40MHz)	108/120 (MCS5)	0.63	11.0	-10.37
	5550	110	n (40MHz)	108/120 (MCS5)	7.48	11.0	-3.52
	5710	142	n (40MHz)	108/120 (MCS5)	7.82	11.0	-3.18
	5510	102	ax (SU) (40MHz)	130/137.6 (MCS5)	-1.05	11.0	-12.05
	5550	110	ax (SU) (40MHz)	130/137.6 (MCS5)	5.26	11.0	-5.74
	5710	142	ax (SU) (40MHz)	130/137.6 (MCS5)	6.14	11.0	-4.86
	5530	106	ac (80MHz)	234/260 (MCS5)	-1.48	11.0	-12.48
	5610	*122	ac (80MHz)	234/260 (MCS5)	2.28	11.0	-8.72
	5690	138	ac (80MHz)	234/260 (MCS5)	5.45	11.0	-5.55
	5530	106	ax (SU) (80MHz)	272/288.2 (MCS5)	-3.42	11.0	-14.42
	5610	*122	ax (SU) (80MHz)	272/288.2 (MCS5)	1.69	11.0	-9.31
	5690	138	ax (SU) (80MHz)	272/288.2 (MCS5)	3.72	11.0	-7.28

Table 7-160. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 2B (High Data Rate)

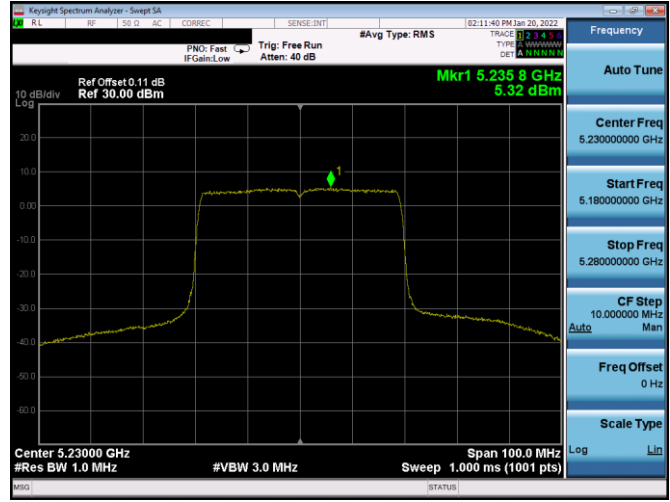
*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 127 of 564

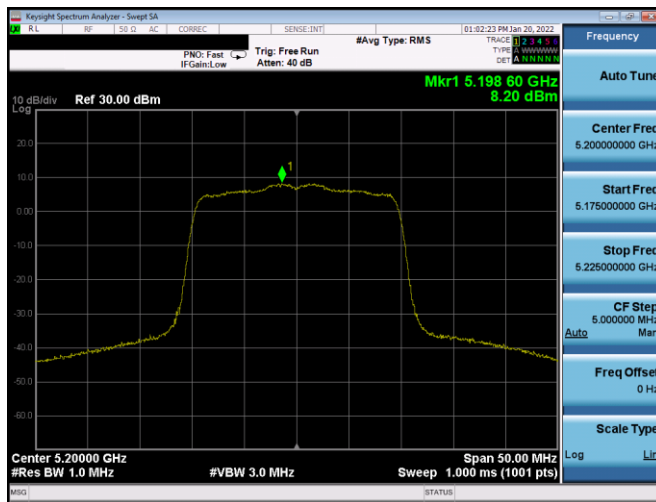
Low Data Rate



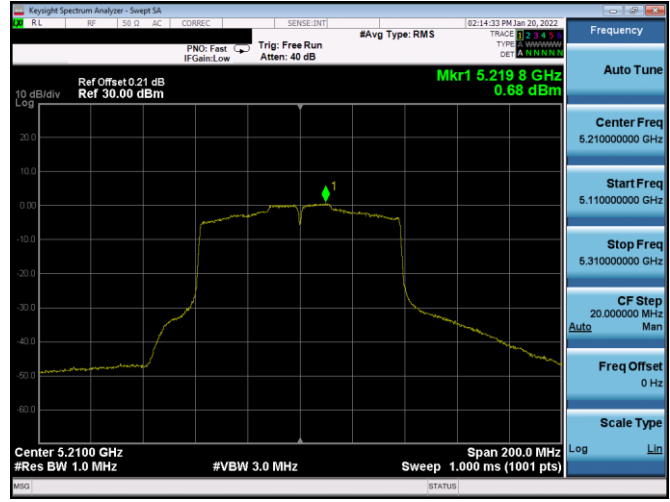
Plot 7-217. PSD Antenna 2B (20MHz BW 802.11n – Ch. 40, MCS0)



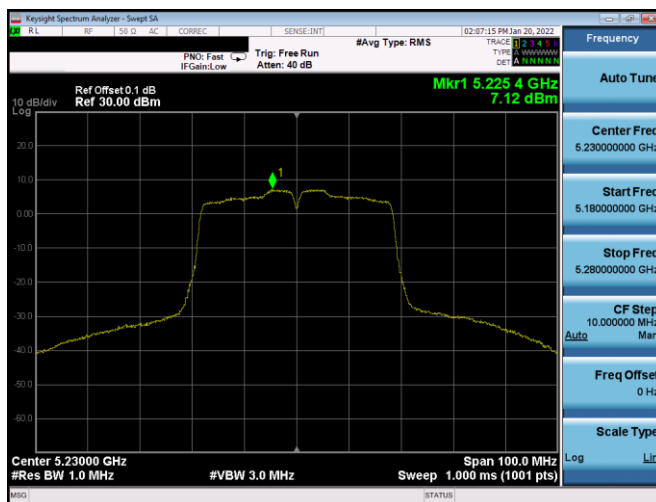
Plot 7-220. PSD Antenna 1B (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



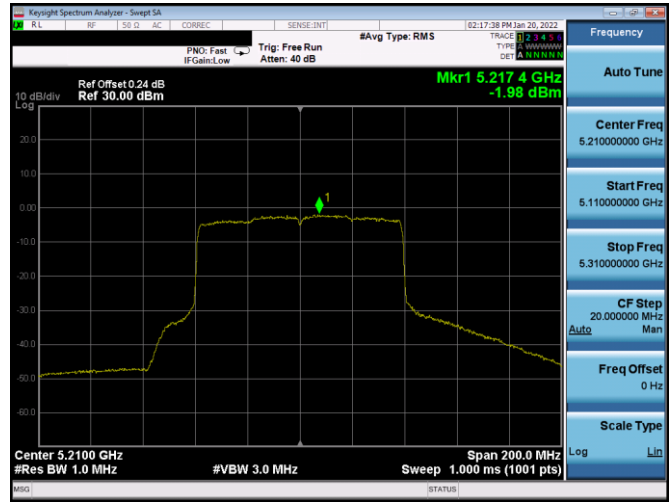
Plot 7-218. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)



Plot 7-221. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 42, MCS0)

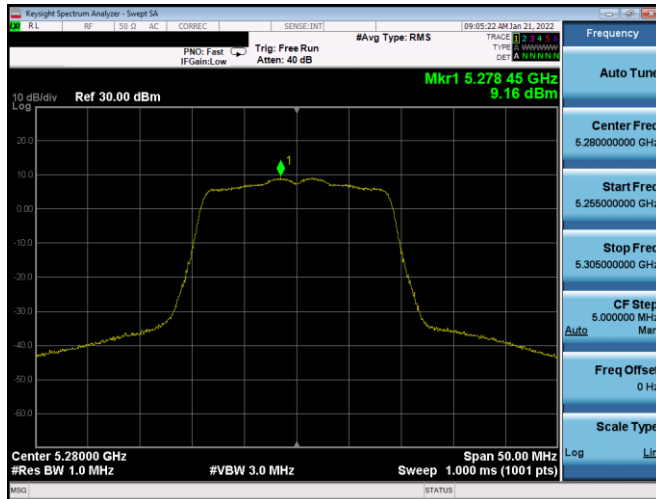


Plot 7-219. PSD Antenna 2B (40MHz BW 802.11n – Ch. 46, MCS0)

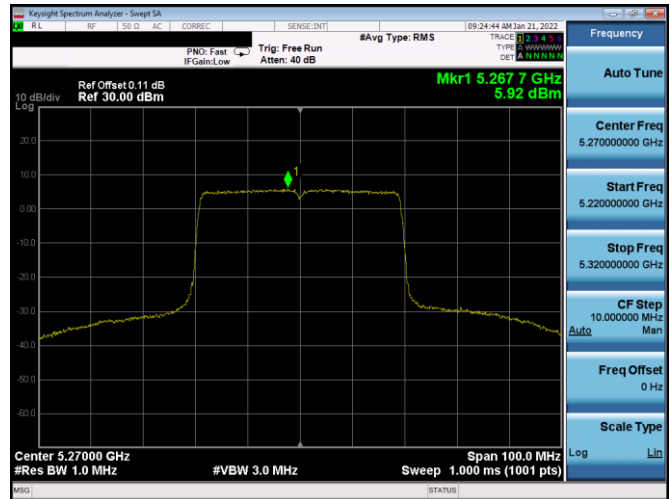


Plot 7-222. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

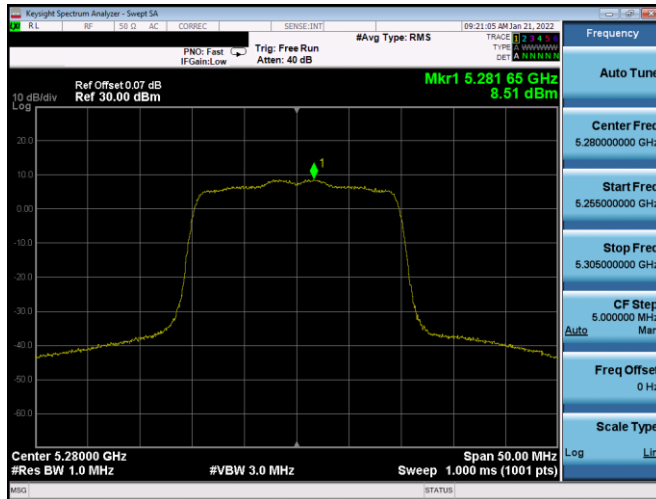
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 128 of 564



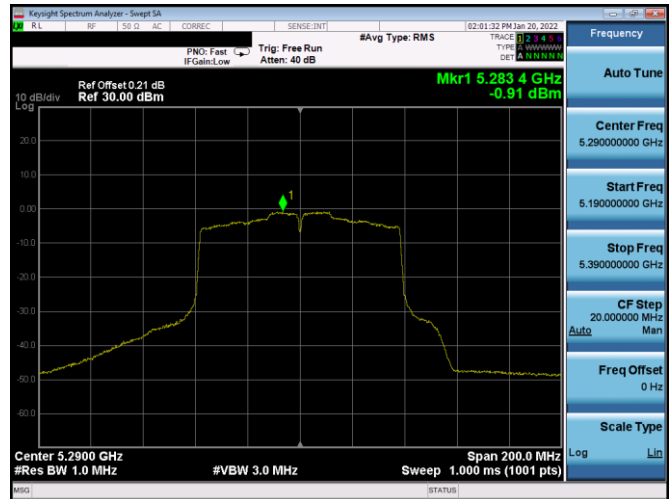
Plot 7-223. PSD Antenna 2B (20MHz BW 802.11n – Ch. 56, MCS0)



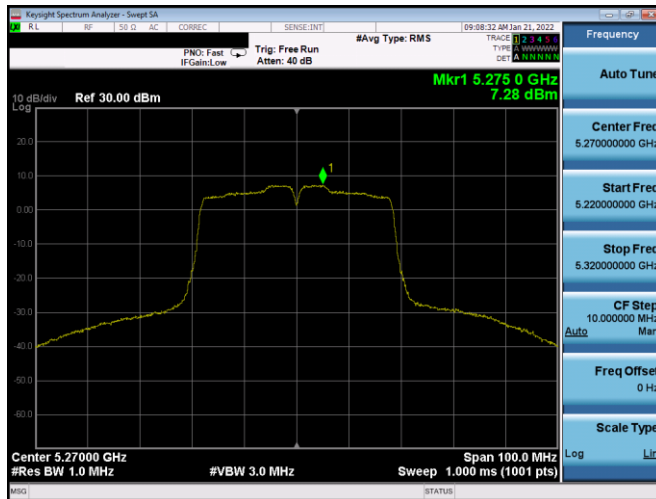
Plot 7-226. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 54, MCS0)



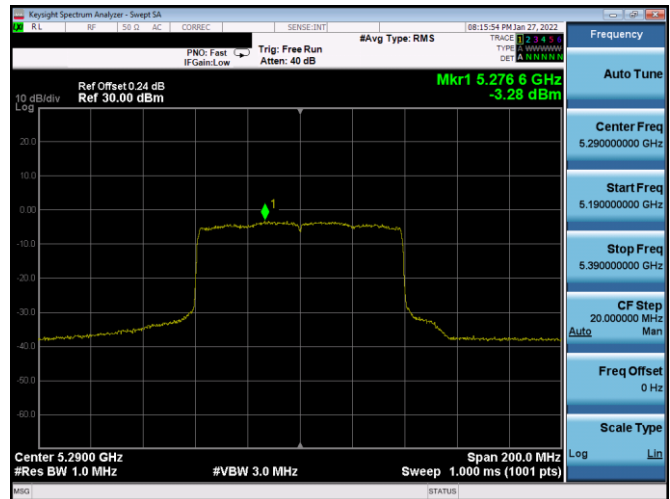
Plot 7-224. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 56, MCS0)



Plot 7-227. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 58, MCS0)

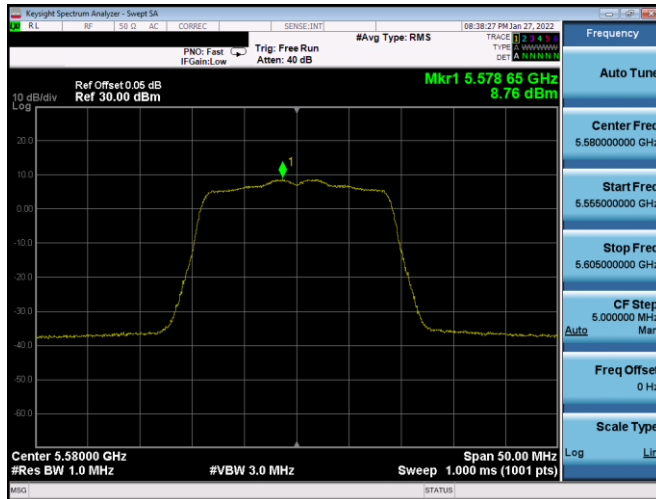


Plot 7-225. PSD Antenna 2B (40MHz BW 802.11n – Ch. 54, MCS0)

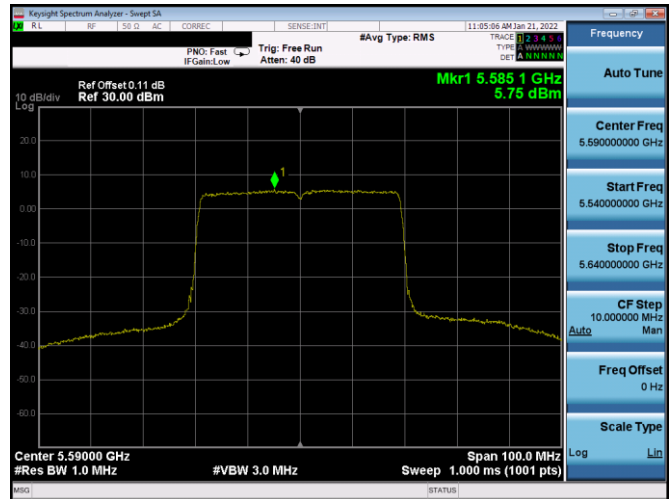


Plot 7-228. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 58, MCS0)

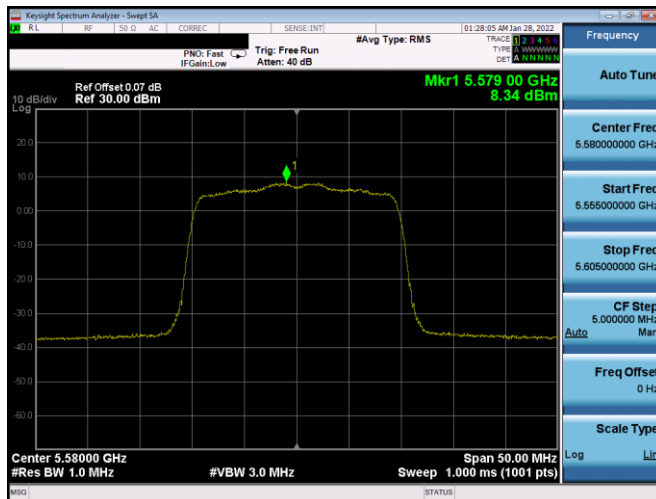
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 129 of 564



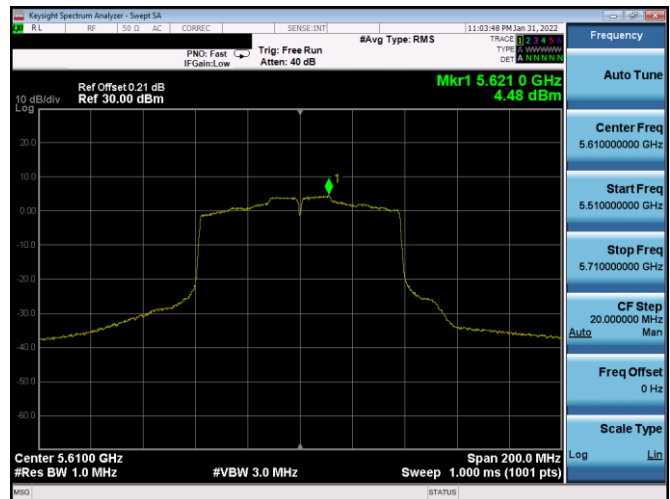
Plot 7-229. PSD Antenna 2B (20MHz BW 802.11n – Ch. 116, MCS0)



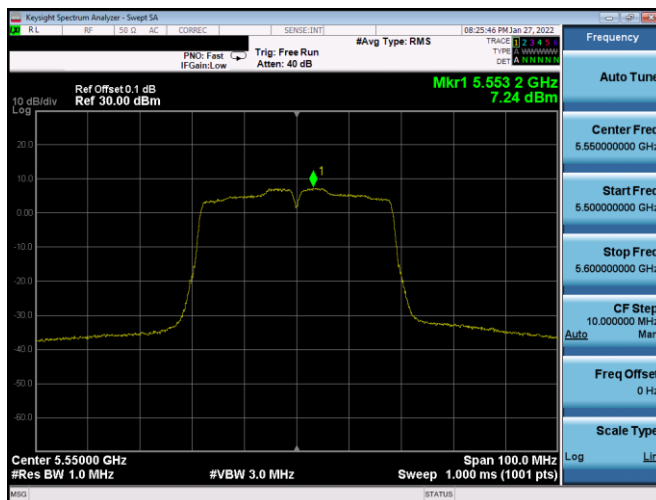
Plot 7-232. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 110, MCS0)



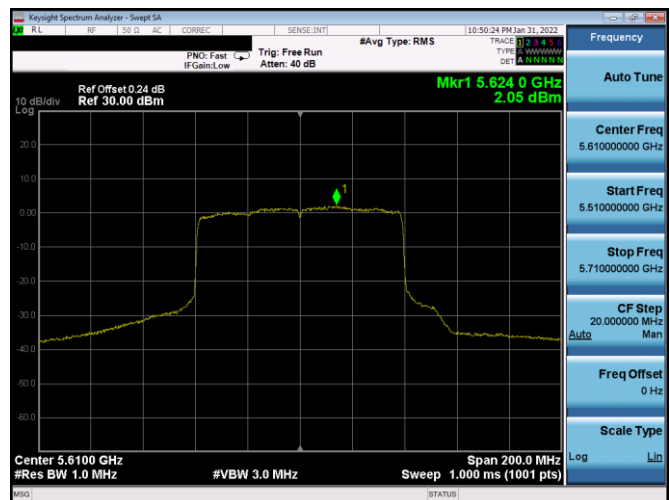
Plot 7-230. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 116, MCS0)



Plot 7-233. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 122, MCS0)



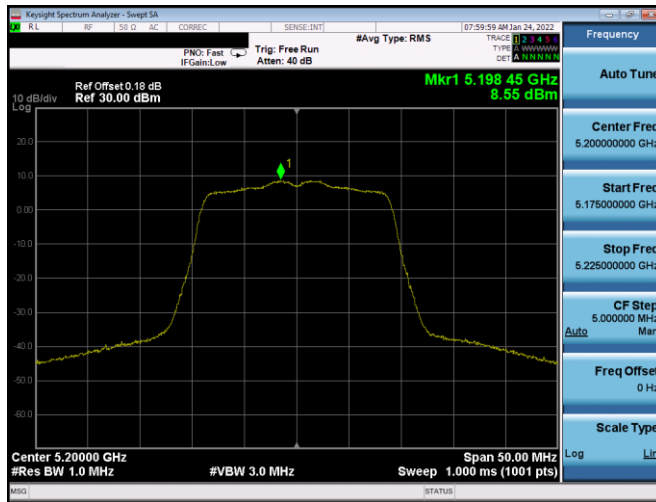
Plot 7-231. PSD Antenna 2B (40MHz BW 802.11n – Ch. 110, MCS0)



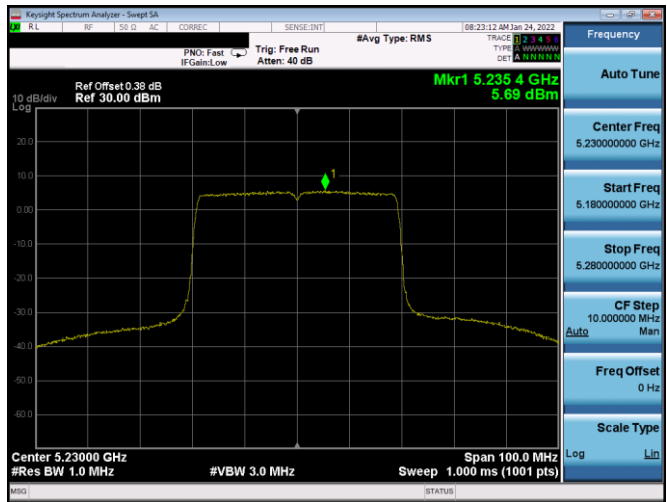
Plot 7-234. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 122, MCS0)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 130 of 564

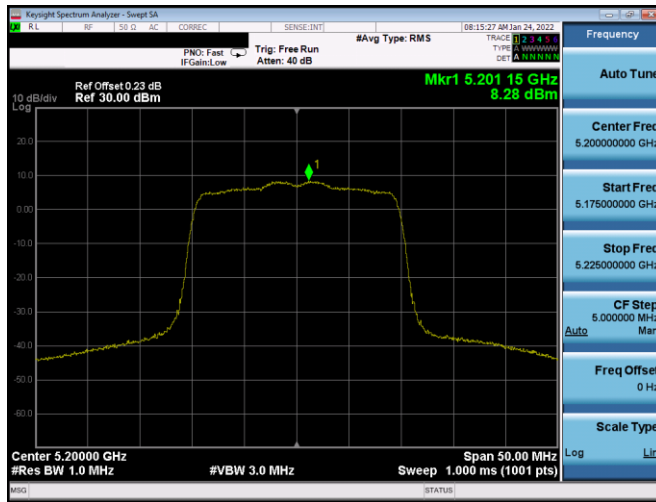
Mid Data Rate



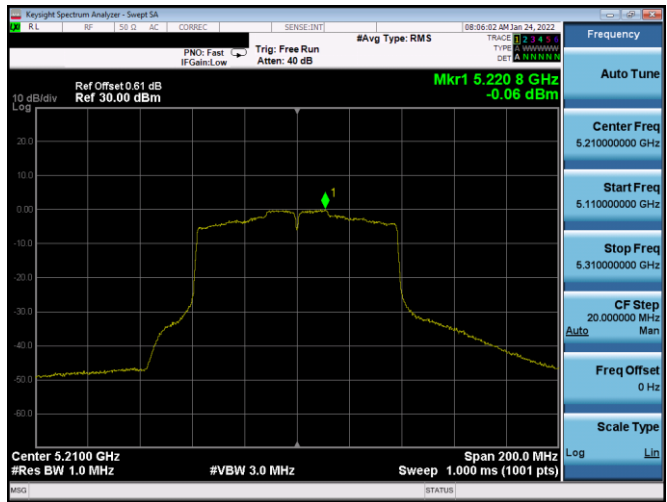
Plot 7-235. PSD Antenna 2B (20MHz BW 802.11n – Ch. 40, MCS3)



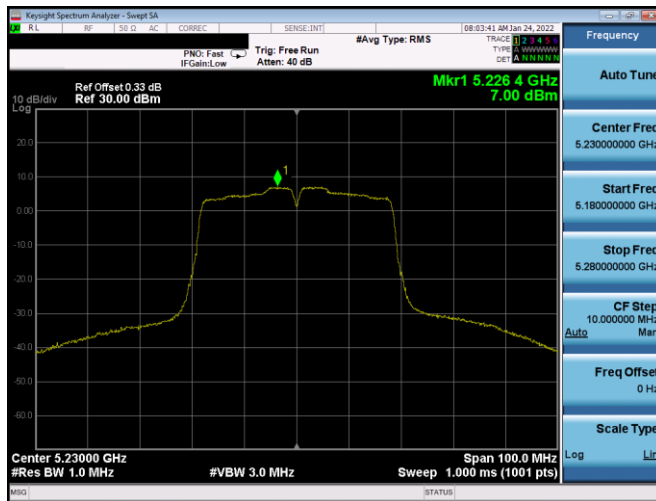
Plot 7-238. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 46, MCS3)



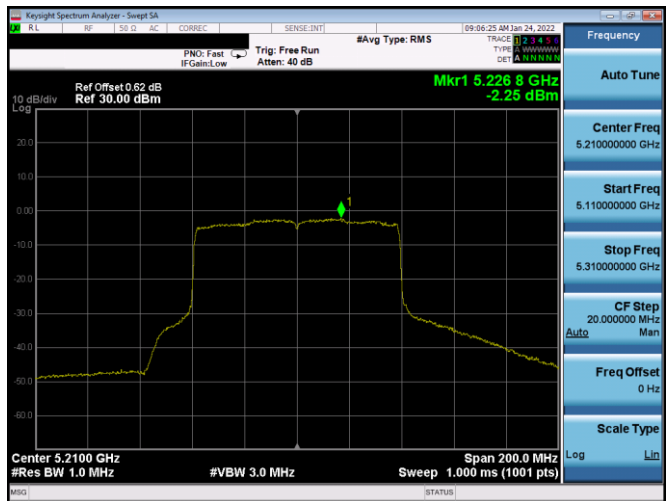
Plot 7-236. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 40, MCS3)



Plot 7-239. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 42, MCS3)



Plot 7-237. PSD Antenna 2B (40MHz BW 802.11n – Ch. 46, MCS3)



Plot 7-240. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 42, MCS3)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 131 of 564