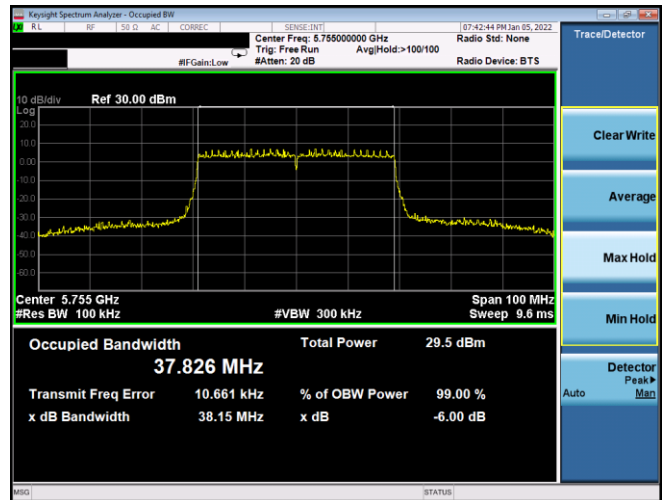


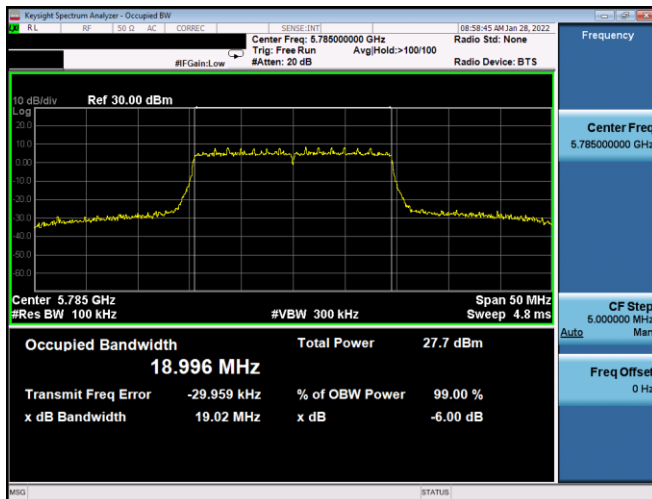
Low Data Rate



Plot 7-109. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 802.11n – Ch. 157, MCS0)



Plot 7-112. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)



Plot 7-110. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)



Plot 7-113. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ac – Ch. 155, MCS0)



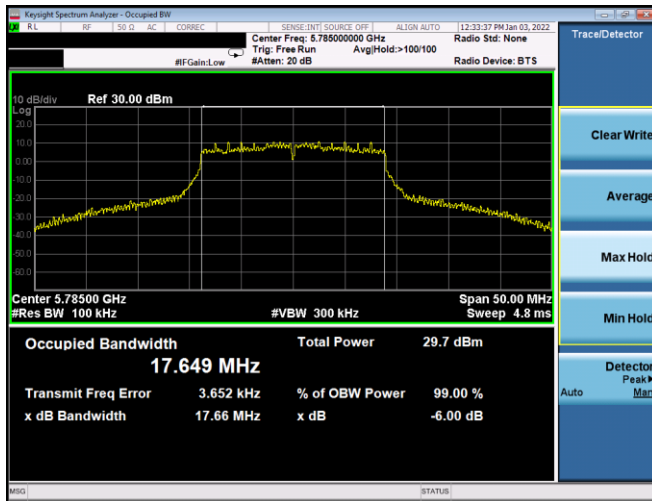
Plot 7-111. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 802.11n – Ch. 151, MCS0)



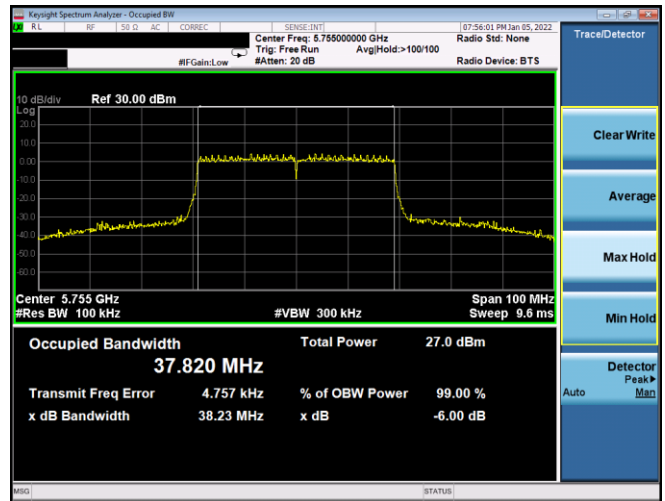
Plot 7-114. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ax(SU) – Ch. 155, MCS0)

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 47 of 352

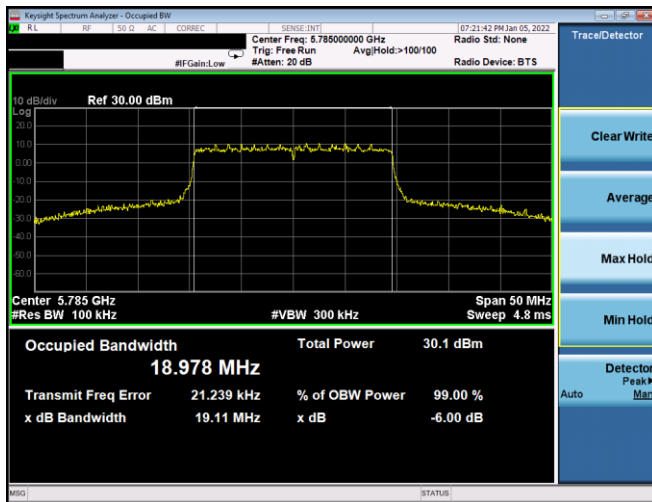
Mid Data Rate



Plot 7-115. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 802.11n – Ch. 157, MCS3)



Plot 7-118. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 802.11ax(SU) – Ch. 151, MCS3)



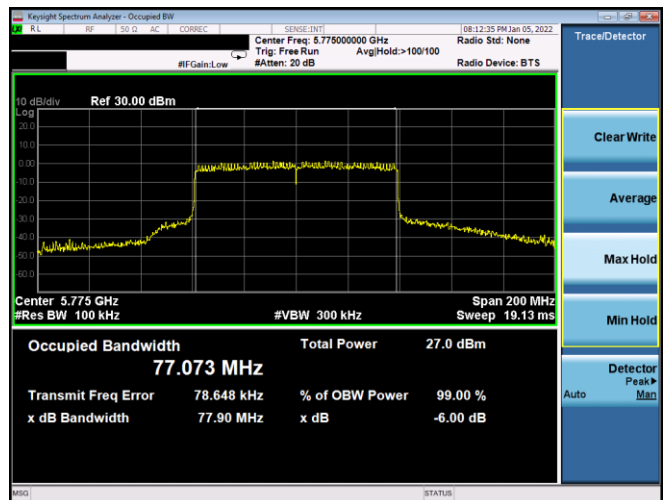
Plot 7-116. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 802.11ax(SU) – Ch. 157, MCS3)



Plot 7-119. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ac – Ch. 155, MCS3)



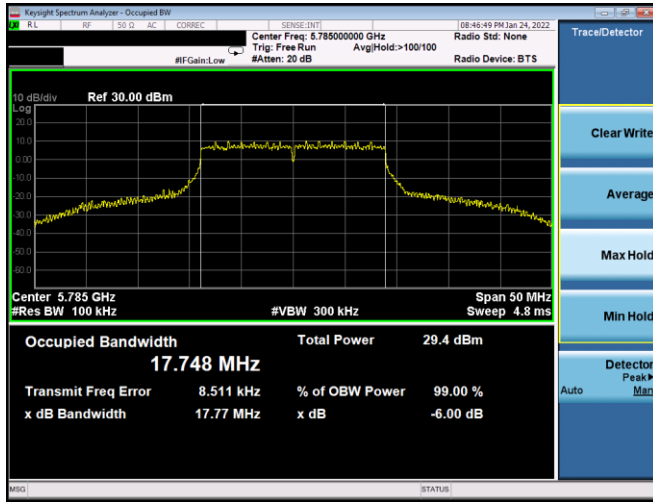
Plot 7-117. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 802.11n – Ch. 151, MCS3)



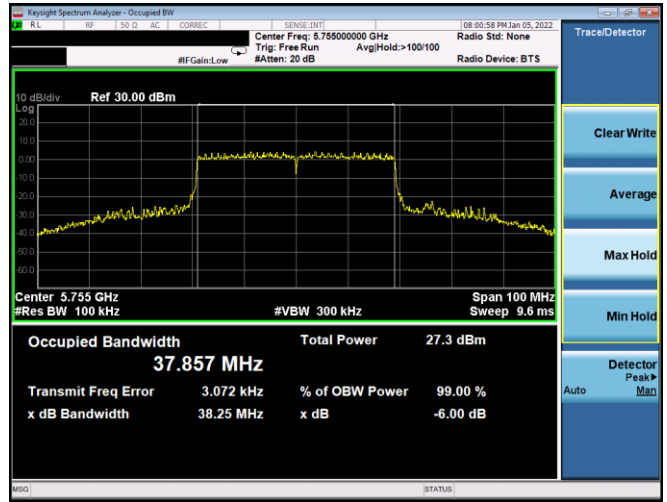
Plot 7-120. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ax(SU) – Ch. 155, MCS3)

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 48 of 352

High Data Rate



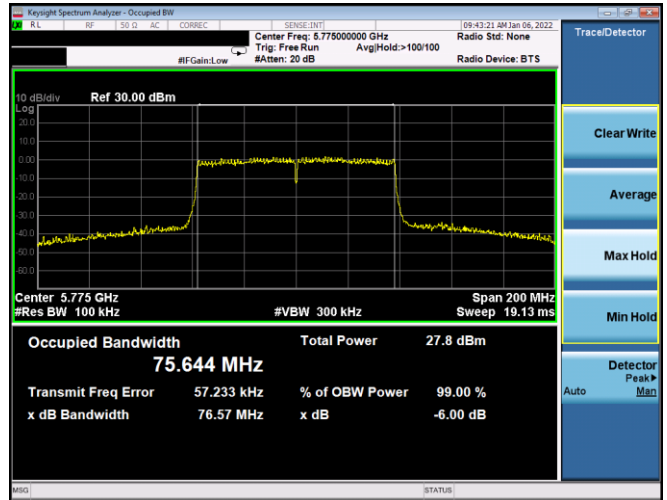
Plot 7-121. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 802.11n – Ch. 157, MCS5)



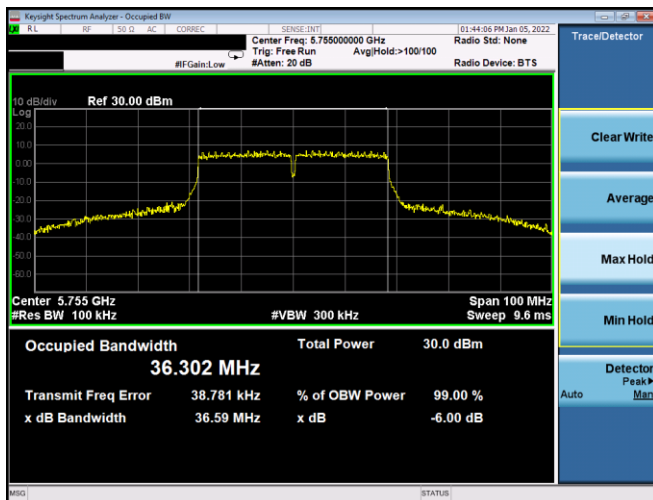
Plot 7-124. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 802.11ax(SU) – Ch. 151, MCS5)



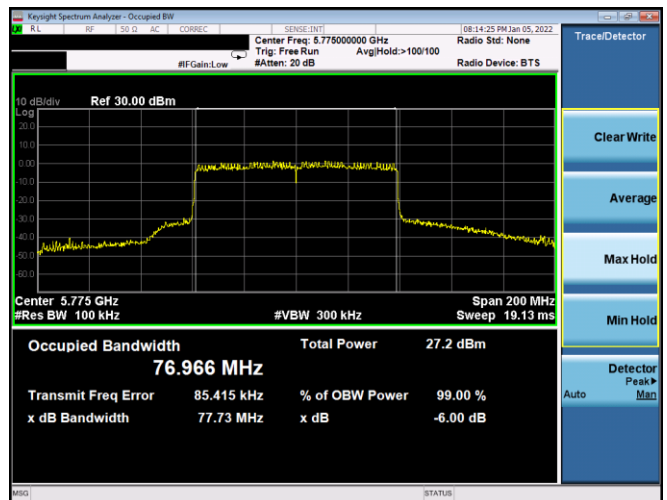
Plot 7-122. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 802.11ax(SU) – Ch. 157, MCS5)



Plot 7-125. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-123. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-126. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ax(SU) – Ch. 155, MCS5)

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Antenna WF7a 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)	17.72	17.45	0.50	Pass
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	17.67	17.32	0.50	Pass
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	17.69	17.46	0.50	Pass
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	19.08	19.24	0.50	Pass
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	19.00	19.07	0.50	Pass
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	19.08	19.12	0.50	Pass
	5755	151	n (40MHz)	13.5/15 (MCS0)	36.05	35.72	0.50	Pass
	5795	159	n (40MHz)	13.5/15 (MCS0)	36.28	35.95	0.50	Pass
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	37.89	38.23	0.50	Pass
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	38.01	38.28	0.50	Pass
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	75.66	76.52	0.50	Pass
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	77.16	77.60	0.50	Pass

Table 7-11. Conducted Bandwidth Measurements Antenna WF7a (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)	6.5/7.2 (MCS0)	17.65	17.65	0.50	Pass
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	17.64	16.98	0.50	Pass
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	17.73	17.54	0.50	Pass
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	19.03	19.19	0.50	Pass
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	19.01	19.11	0.50	Pass
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	19.01	19.15	0.50	Pass
	5755	151	n (40MHz)	13.5/15 (MCS0)	36.32	36.55	0.50	Pass
	5795	159	n (40MHz)	13.5/15 (MCS0)	36.17	36.33	0.50	Pass
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	37.86	38.22	0.50	Pass
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	38.00	38.30	0.50	Pass
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	75.40	75.73	0.50	Pass
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	77.03	77.77	0.50	Pass

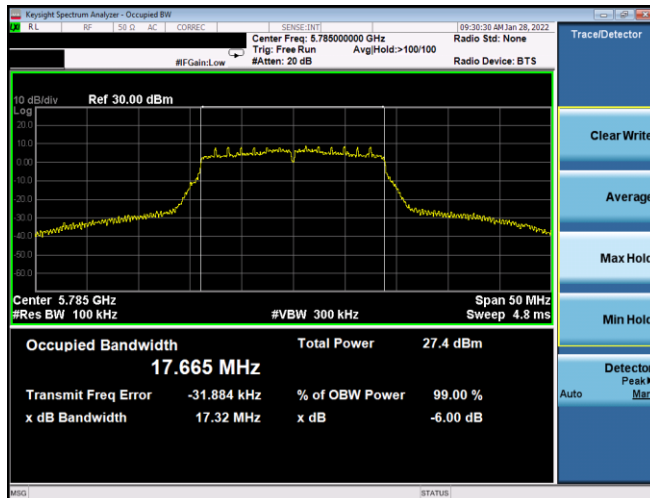
Table 7-12. Conducted Bandwidth Measurements Antenna WF7a (Mid Data Rate)

	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)	6.5/7.2 (MCS0)	17.69	17.71	0.50	Pass
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	17.72	17.75	0.50	Pass
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	17.73	17.76	0.50	Pass
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	19.05	19.14	0.50	Pass
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	19.01	19.11	0.50	Pass
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	19.04	19.12	0.50	Pass
	5755	151	n (40MHz)	13.5/15 (MCS0)	36.31	36.55	0.50	Pass
	5795	159	n (40MHz)	13.5/15 (MCS0)	36.63	36.69	0.50	Pass
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	37.88	38.17	0.50	Pass
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	38.07	38.23	0.50	Pass
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	75.52	76.32	0.50	Pass
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	76.93	77.62	0.50	Pass

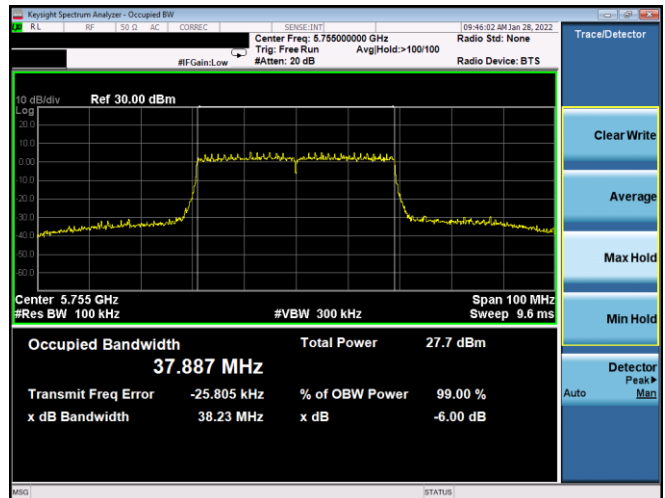
Table 7-13. Conducted Bandwidth Measurements Antenna WF7a (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 50 of 352

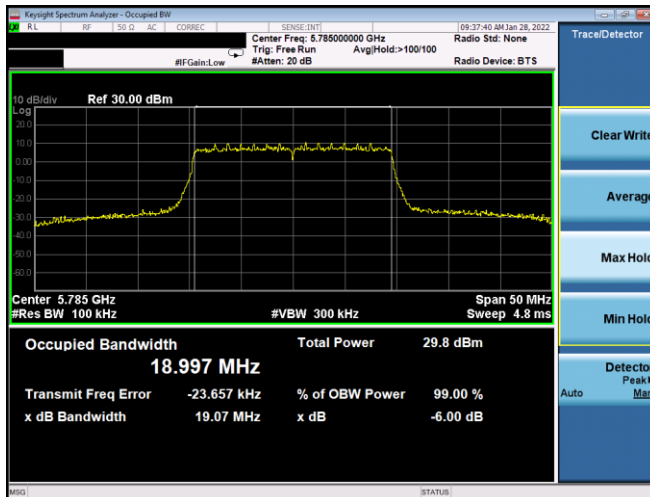
Low Data Rate



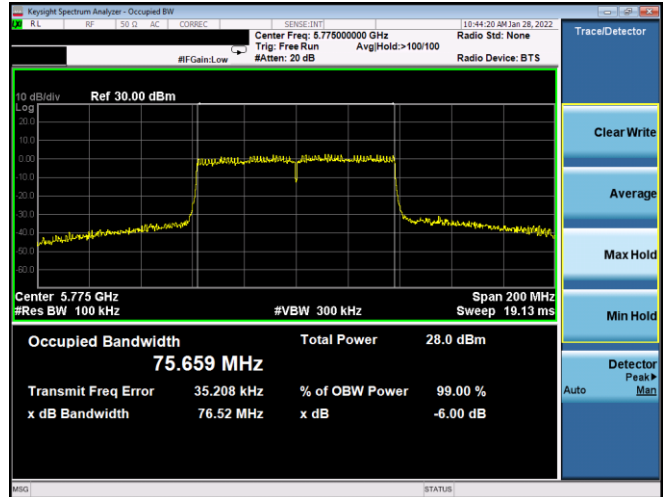
Plot 7-127. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 802.11n – Ch. 157, MCS0)



Plot 7-130. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)



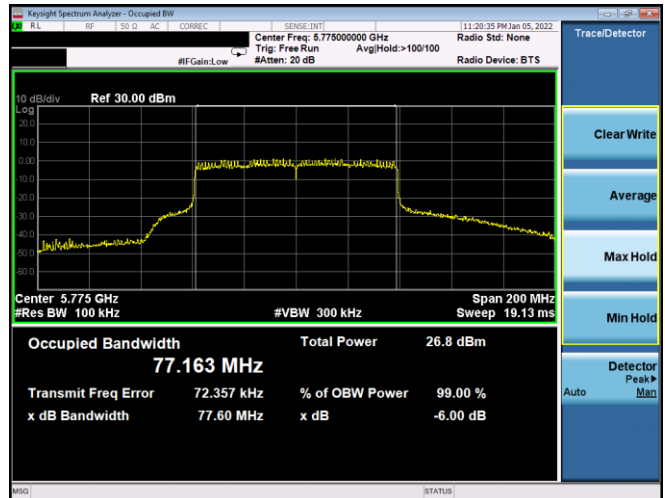
Plot 7-128. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)



Plot 7-131. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 802.11ac – Ch. 155, MCS0)



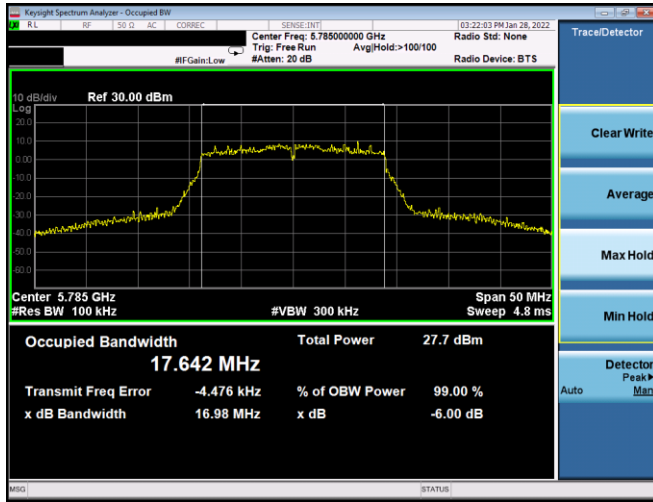
Plot 7-129. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 802.11n – Ch. 151, MCS0)



Plot 7-132. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 155, MCS0)

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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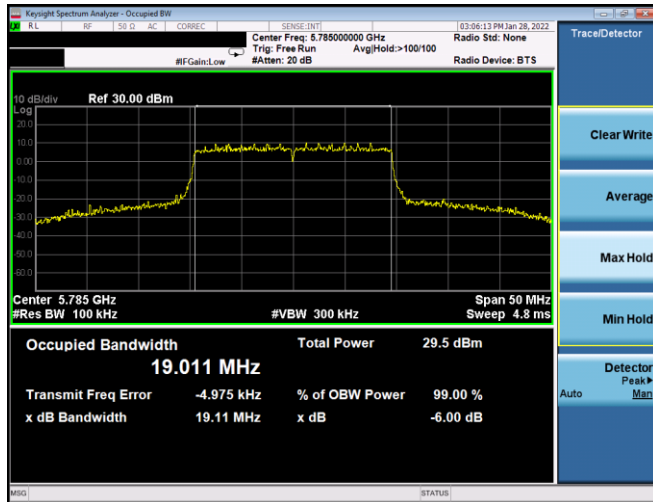
Mid Data Rate



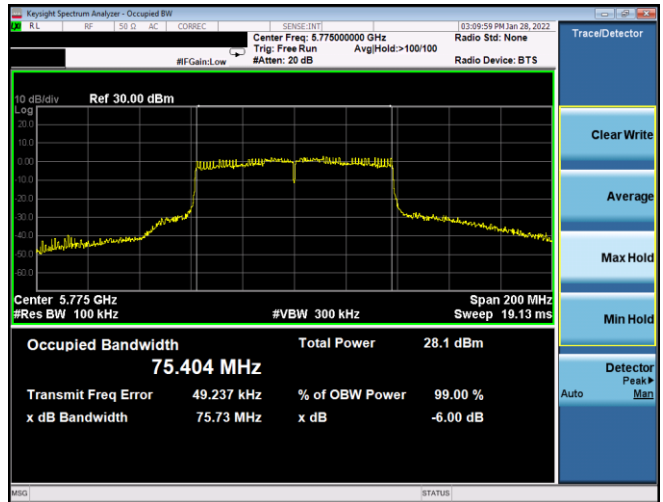
Plot 7-133. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 802.11n – Ch. 157, MCS3)



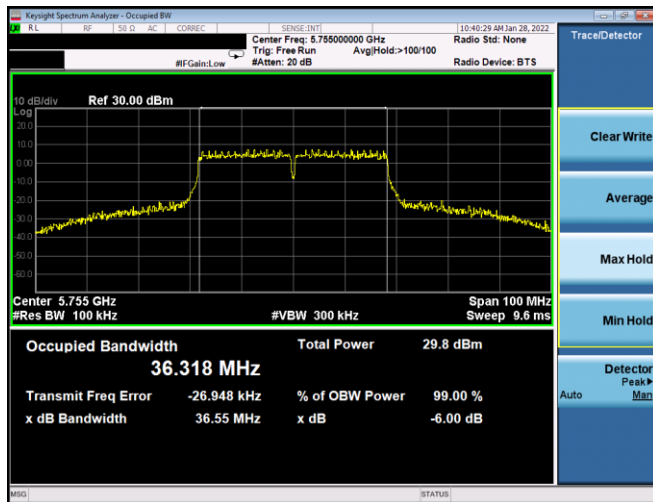
Plot 7-136. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 802.11ax (SU) – Ch. 151, MCS3)



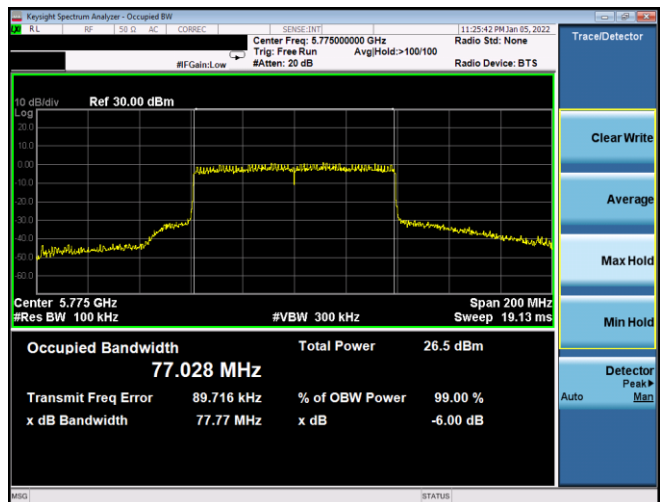
Plot 7-134. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 157, MCS3)



Plot 7-137. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 802.11ac – Ch. 155, MCS3)



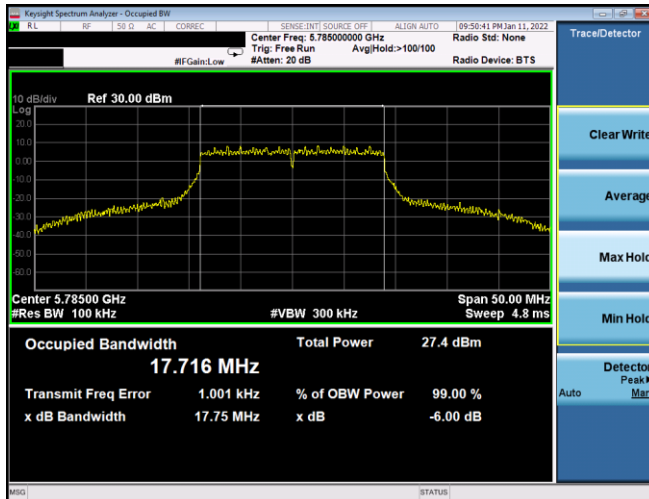
Plot 7-135. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 802.11n – Ch. 151, MCS3)



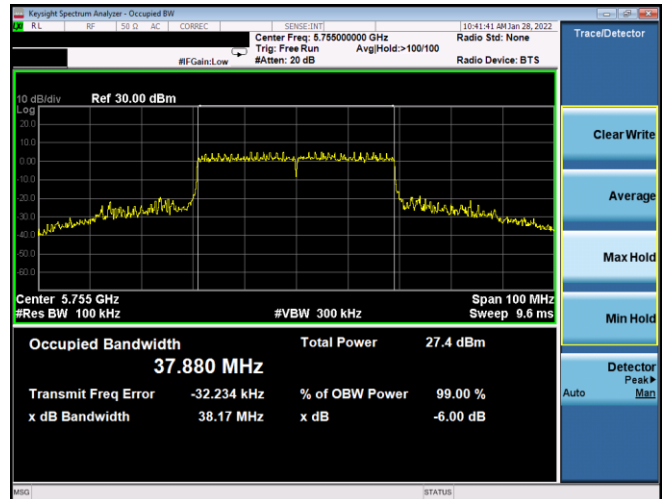
Plot 7-138. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 155, MCS3)

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 52 of 352

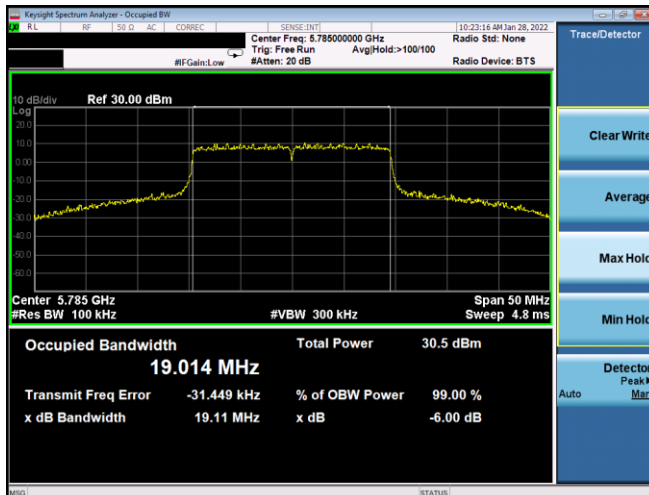
High Data Rate



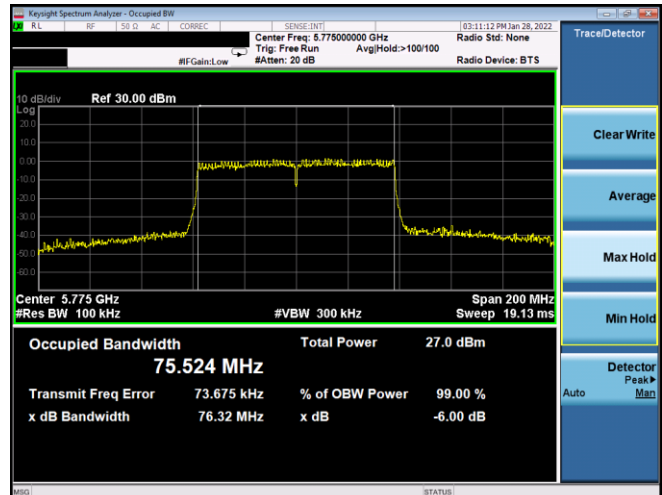
Plot 7-139. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 802.11n – Ch. 157, MCS5)



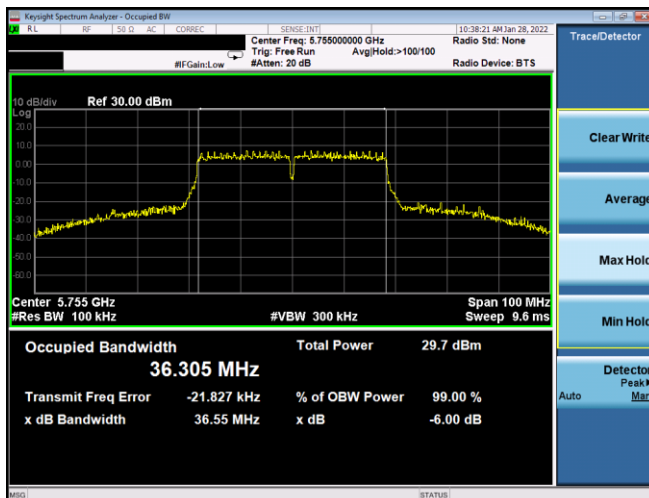
Plot 7-142. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 151, MCS5)



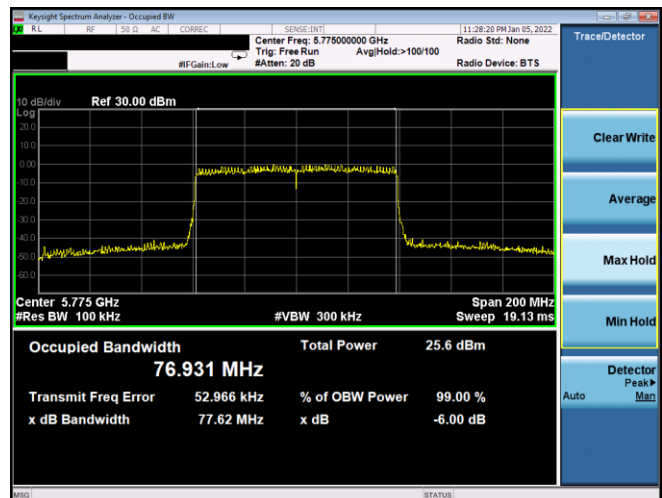
Plot 7-140. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 157, MCS5)



Plot 7-143. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-141. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-144. 6dB BW & 99% OBW Antenna WF7a (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/ax(SU)

§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 ISSED 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 $11 \text{ dBm} + 10\log_{10}(26\text{dB BW}) = 11 \text{ dBm} + 10\log_{10}(21.05) = 24.23\text{dBm}$. 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 $11 \text{ dBm} + 10\log_{10}(26\text{dB BW}) = 11 \text{ dBm} + 10\log_{10}(21.05) = 24.23\text{dBm}$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or $17 + 10 \log_{10}B$, dBm.

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

Test Procedure Used

ANSI C63.10-2013 – 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.

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4.1 FCC Antenna WF8 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.89	18.00	17.35	23.98	-5.98
	5200	40	AVG	19.99	20.00	19.96	23.98	-3.98
	5240	48	AVG	19.98	19.83	20.00	23.98	-4.00
	5260	52	AVG	20.00	20.00	19.96	23.98	-3.98
	5300	60	AVG	19.98	20.00	19.87	23.98	-3.98
	5320	64	AVG	18.41	18.43	17.46	23.98	-5.55
	5500	100	AVG	18.42	18.29	16.74	23.98	-5.56
	5520	104	AVG	19.96	19.91	20.00	23.98	-4.02
	5580	116	AVG	19.99	19.88	19.95	23.98	-3.99
	5680	136	AVG	20.00	20.00	19.89	23.98	-3.98
	5700	140	AVG	15.54	15.61	15.75	23.98	-8.37
	5720	144	AVG	19.96	20.00	19.90	23.98	-3.98
	5745	149	AVG	20.94	20.98	21.00	30.00	-9.02
	5785	157	AVG	20.75	20.92	21.00	30.00	-9.08
	5825	165	AVG	21.00	21.00	21.00	30.00	-9.00

Table 7-14. FCC Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	16.99	16.86	16.88	23.98	-6.99
	5200	40	AVG	20.00	19.81	19.92	23.98	-3.98
	5240	48	AVG	19.97	20.00	19.90	23.98	-3.98
	5260	52	AVG	19.92	19.90	20.00	23.98	-4.06
	5300	60	AVG	19.97	19.99	19.96	23.98	-3.99
	5320	64	AVG	17.95	17.86	16.80	23.98	-6.03
	5500	100	AVG	17.49	17.44	16.50	23.98	-6.49
	5520	104	AVG	19.88	19.99	19.86	23.98	-3.99
	5580	116	AVG	19.96	19.80	19.90	23.98	-4.02
	5660	132	AVG	20.00	19.96	19.96	23.98	-3.98
	5680	136	AVG	19.99	19.94	19.49	23.98	-3.99
	5700	140	AVG	15.00	14.91	12.91	23.98	-8.98
	5720	144	AVG	20.00	19.83	19.95	23.98	-3.98
	5745	149	AVG	20.93	20.96	20.84	30.00	-9.04
	5785	157	AVG	20.89	20.86	20.80	30.00	-9.11
	5825	165	AVG	21.00	20.87	20.85	30.00	-9.00

Table 7-15. FCC Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 55 of 352

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	16.16	16.11	15.96	23.98	-7.82
	5200	40	AVG	19.88	19.82	20.00	23.98	-4.10
	5240	48	AVG	19.97	19.82	19.97	23.98	-4.01
	5260	52	AVG	19.87	19.93	19.98	23.98	-4.05
	5300	60	AVG	19.84	20.00	19.81	23.98	-3.98
	5320	64	AVG	16.91	16.88	15.98	23.98	-7.07
	5500	100	AVG	16.48	16.47	15.45	23.98	-7.50
	5520	104	AVG	19.84	19.98	18.49	23.98	-4.00
	5580	116	AVG	19.97	19.88	19.98	23.98	-4.01
	5680	136	AVG	18.55	18.74	18.43	23.98	-5.24
	5700	140	AVG	13.95	13.95	12.96	23.98	-10.03
	5720	144	AVG	19.87	19.97	19.99	23.98	-4.01
	5745	149	AVG	20.96	20.80	20.93	30.00	-9.04
	5785	157	AVG	20.91	20.94	20.88	30.00	-9.06
	5825	165	AVG	20.99	20.81	20.99	30.00	-9.01

Table 7-16. FCC Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.46	12.81	23.98	-9.52
	5230	46	AVG	20.77	19.99	23.98	-3.21
	5270	54	AVG	20.21	19.89	23.98	-3.77
	5310	62	AVG	14.70	13.35	23.98	-9.28
	5510	102	AVG	14.14	12.40	23.98	-9.84
	5550	110	AVG	19.93	19.89	23.98	-4.05
	5590	118	AVG	20.82	20.87	23.98	-3.16
	5630	126	AVG	20.96	20.99	23.98	-3.02
	5670	134	AVG	16.27	14.94	23.98	-7.71
	5710	142	AVG	20.89	20.84	23.98	-3.09
	5755	151	AVG	20.99	20.31	30.00	-9.01
	5795	159	AVG	20.96	20.99	30.00	-9.04

Table 7-17. FCC Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 56 of 352

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.89	13.31	23.98	-9.09
	5230	46	AVG	21.00	20.93	23.98	-2.98
	5270	54	AVG	21.93	20.07	23.98	-2.05
	5310	62	AVG	15.87	14.00	23.98	-8.11
	5510	102	AVG	14.45	13.08	23.98	-9.53
	5550	110	AVG	20.81	20.35	23.98	-3.17
	5590	118	AVG	20.82	20.92	23.98	-3.16
	5630	126	AVG	20.97	20.98	23.98	-3.01
	5670	134	AVG	17.47	15.42	23.98	-6.51
	5710	142	AVG	20.90	20.93	23.98	-3.08
	5755	151	AVG	20.89	20.75	30.00	-9.11
	5795	159	AVG	20.97	21.00	30.00	-9.03

Table 7-18. FCC Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.46	12.81	23.98	-9.52
	5230	46	AVG	20.77	19.99	23.98	-3.21
	5270	54	AVG	20.21	19.89	23.98	-3.77
	5310	62	AVG	14.70	13.35	23.98	-9.28
	5510	102	AVG	14.14	12.40	23.98	-9.84
	5550	110	AVG	19.93	19.89	23.98	-4.05
	5590	118	AVG	20.82	20.87	23.98	-3.16
	5630	126	AVG	20.96	20.99	23.98	-3.02
	5670	134	AVG	16.27	14.94	23.98	-7.71
	5710	142	AVG	20.89	20.84	23.98	-3.09
	5755	151	AVG	20.99	20.31	30.00	-9.01
	5795	159	AVG	20.96	20.99	30.00	-9.04

Table 7-19. FCC Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	14.40	12.95	23.98	-9.58
	5290	58	AVG	14.77	13.89	23.98	-9.21
	5530	106	AVG	14.00	13.51	23.98	-9.98
	5610	122	AVG	18.75	18.00	23.98	-5.23
	5690	138	AVG	20.86	21.00	23.98	-3.12
	5775	155	AVG	19.00	18.25	30.00	-11.00

Table 7-20. FCC Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 57 of 352

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	13.40	12.44	23.98	-10.58
	5290	58	AVG	14.00	12.99	23.98	-9.98
	5530	106	AVG	12.89	13.00	23.98	-11.09
	5610	122	AVG	18.00	17.50	23.98	-5.98
	5690	138	AVG	20.85	20.80	23.98	-3.13
	5775	155	AVG	18.22	17.49	30.00	-11.78

Table 7-21. FCC Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	12.41	11.50	23.98	-11.57
	5290	58	AVG	12.95	12.50	23.98	-11.03
	5530	106	AVG	13.00	12.38	23.98	-10.98
	5610	122	AVG	17.15	16.89	23.98	-6.83
	5690	138	AVG	20.92	20.98	23.98	-3.06
	5775	155	AVG	17.36	16.61	30.00	-12.64

Table 7-22. FCC Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 58 of 352

7.4.2 ISED Antenna WF8 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [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	14.89	14.88	14.96	-	-	3.40	18.29	23.01	-4.72
	5200	40	AVG	14.77	14.91	15.00	-	-	3.40	18.31	23.01	-4.70
	5240	48	AVG	14.97	14.93	14.99	-	-	3.40	18.37	23.01	-4.64
	5260	52	AVG	20.00	20.00	19.96	23.98	-3.98	3.40	23.40	30.00	-6.60
	5300	60	AVG	19.98	20.00	19.87	23.98	-3.98	3.40	23.40	30.00	-6.60
	5320	64	AVG	18.41	18.43	17.46	23.98	-5.55	3.40	21.83	30.00	-8.17
	5500	100	AVG	18.42	18.29	16.74	23.98	-5.56	3.90	22.32	30.00	-7.68
	5520	104	AVG	19.96	19.91	20.00	23.98	-4.02	3.90	23.86	30.00	-6.14
	5580	116	AVG	19.99	19.88	19.95	23.98	-3.99	3.90	23.89	30.00	-6.11
	5680	136	AVG	20.00	20.00	19.89	23.98	-3.98	3.90	23.90	30.00	-6.10
	5700	140	AVG	15.54	15.61	15.75	23.98	-8.37	3.90	19.51	30.00	-10.49
	5720	144	AVG	19.96	20.00	19.90	23.98	-3.98	3.90	23.90	30.00	-6.10
	5745	149	AVG	20.94	20.98	21.00	30.00	-9.02	3.70	24.68	-	-
	5785	157	AVG	20.75	20.92	21.00	30.00	-9.08	3.70	24.62	-	-
	5825	165	AVG	21.00	21.00	21.00	30.00	-9.00	3.70	24.70	-	-

Table 7-23. ISED Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [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	14.95	15.00	14.97	-	-	3.40	18.40	23.01	-4.61
	5200	40	AVG	15.00	14.96	14.98	-	-	3.40	18.40	23.01	-4.61
	5240	48	AVG	14.99	14.95	14.99	-	-	3.40	18.39	23.01	-4.62
	5260	52	AVG	19.92	19.90	20.00	23.98	-4.06	3.40	23.32	30.00	-6.68
	5300	60	AVG	19.97	19.99	19.96	23.98	-3.99	3.40	23.39	30.00	-6.61
	5320	64	AVG	17.95	17.86	16.80	23.98	-6.03	3.40	21.35	30.00	-8.65
	5500	100	AVG	17.49	17.44	16.50	23.98	-6.49	3.90	21.39	30.00	-8.61
	5520	104	AVG	19.88	19.99	19.86	23.98	-3.99	3.90	23.89	30.00	-6.11
	5580	116	AVG	19.96	19.80	19.90	23.98	-4.02	3.90	23.86	30.00	-6.14
	5660	132	AVG	20.00	19.96	19.96	23.98	-3.98	3.90	23.90	30.00	-6.10
	5680	136	AVG	19.99	19.94	19.49	23.98	-3.99	3.90	23.89	30.00	-6.11
	5700	140	AVG	15.00	14.91	12.91	23.98	-8.98	3.90	18.90	30.00	-11.10
	5720	144	AVG	20.00	19.83	19.95	23.98	-3.98	3.90	23.90	30.00	-6.10
	5745	149	AVG	20.93	20.96	20.84	30.00	-9.04	3.70	24.66	-	-
	5785	157	AVG	20.89	20.86	20.80	30.00	-9.11	3.70	24.59	-	-
	5825	165	AVG	21.00	20.87	20.85	30.00	-9.00	3.70	24.70	-	-

Table 7-24. ISED Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Freq [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	14.78	14.99	15.00	-	-	3.40	18.39	23.01	-4.62
	5200	40	AVG	14.82	14.83	14.93	-	-	3.40	18.23	23.01	-4.78
	5240	48	AVG	14.84	14.87	14.89	-	-	3.40	18.27	23.01	-4.74
	5260	52	AVG	19.87	19.93	19.98	23.98	-4.05	3.40	23.33	30.00	-6.67
	5300	60	AVG	19.84	20.00	19.81	23.98	-3.98	3.40	23.40	30.00	-6.60
	5320	64	AVG	16.91	16.88	15.98	23.98	-7.07	3.40	20.31	30.00	-9.69
	5500	100	AVG	16.48	16.47	15.45	23.98	-7.50	3.90	20.38	30.00	-9.62
	5520	104	AVG	19.84	19.98	18.49	23.98	-4.00	3.90	23.88	30.00	-6.12
	5580	116	AVG	19.97	19.88	19.98	23.98	-4.01	3.90	23.87	30.00	-6.13
	5680	136	AVG	18.55	18.74	18.43	23.98	-5.24	3.90	22.64	30.00	-7.36
	5700	140	AVG	13.95	13.95	12.96	23.98	-10.03	3.90	17.85	30.00	-12.15
	5720	144	AVG	19.87	19.97	19.99	23.98	-4.01	3.90	23.87	30.00	-6.13
	5745	149	AVG	20.96	20.80	20.93	30.00	-9.04	3.70	24.66	-	-
	5785	157	AVG	20.91	20.94	20.88	30.00	-9.06	3.70	24.64	-	-
	5825	165	AVG	20.99	20.81	20.99	30.00	-9.01	3.70	24.69	-	-

Table 7-25. ISED Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 59 of 352

5GHz (40MHz Bandwidth)	Freq [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	16.31	13.99	-	-	3.40	19.71	23.01	-3.30
	5230	46	AVG	17.35	17.33	-	-	3.40	20.75	23.01	-2.26
	5270	54	AVG	20.99	20.71	23.98	-2.99	3.40	24.39	30.00	-5.61
	5310	62	AVG	16.38	14.97	23.98	-7.60	3.40	19.78	30.00	-10.22
	5510	102	AVG	15.46	13.73	23.98	-8.52	3.90	19.36	30.00	-10.64
	5550	110	AVG	20.98	20.79	23.98	-3.00	3.90	24.88	30.00	-5.12
	5670	134	AVG	17.74	15.75	23.98	-6.24	3.90	21.64	30.00	-8.36
	5710	142	AVG	20.95	21.00	23.98	-3.03	3.90	24.85	30.00	-5.15
	5755	151	AVG	21.00	20.91	30.00	-9.00	3.70	24.70	-	-
	5795	159	AVG	20.99	20.95	30.00	-9.01	3.70	24.69	-	-

Table 7-26. ISED Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Freq [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	14.89	13.31	-	-	3.40	18.29	23.01	-4.72
	5230	46	AVG	17.45	17.49	-	-	3.40	20.85	23.01	-2.16
	5270	54	AVG	21.93	20.07	23.98	-2.05	3.40	25.33	30.00	-4.67
	5310	62	AVG	15.87	14.00	23.98	-8.11	3.40	19.27	30.00	-10.73
	5510	102	AVG	14.45	13.08	23.98	-9.53	3.90	18.35	30.00	-11.65
	5550	110	AVG	20.81	20.35	23.98	-3.17	3.90	24.71	30.00	-5.29
	5670	134	AVG	17.47	15.42	23.98	-6.51	3.90	21.37	30.00	-8.63
	5710	142	AVG	20.90	20.93	23.98	-3.08	3.90	24.80	30.00	-5.20
	5755	151	AVG	20.89	20.75	30.00	-9.11	3.70	24.59	-	-
	5795	159	AVG	20.97	21.00	30.00	-9.03	3.70	24.67	-	-

Table 7-27. ISED Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Freq [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	14.46	12.81	-	-	3.40	17.86	23.01	-5.15
	5230	46	AVG	17.46	17.34	-	-	3.40	20.86	23.01	-2.15
	5270	54	AVG	20.21	19.89	23.98	-3.77	3.40	23.61	30.00	-6.39
	5310	62	AVG	14.70	13.35	23.98	-9.28	3.40	18.10	30.00	-11.90
	5510	102	AVG	14.14	12.40	23.98	-9.84	3.90	18.04	30.00	-11.96
	5550	110	AVG	19.93	19.89	23.98	-4.05	3.90	23.83	30.00	-6.17
	5670	134	AVG	16.27	14.94	23.98	-7.71	3.90	20.17	30.00	-9.83
	5710	142	AVG	20.89	20.84	23.98	-3.09	3.90	24.79	30.00	-5.21
	5755	151	AVG	20.99	20.31	30.00	-9.01	3.70	24.69	-	-
	5795	159	AVG	20.96	20.99	30.00	-9.04	3.70	24.66	-	-

Table 7-28. ISED Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 60 of 352

5GHz (80MHz Bandwidth)	Freq [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	12.95	-	-	3.40	17.80	23.01	-5.21
	5290	58	AVG	14.77	13.89	23.98	-9.21	3.40	18.17	30.00	-11.83
	5530	106	AVG	14.00	13.51	23.98	-9.98	3.90	17.90	30.00	-12.10
	5690	138	AVG	20.86	21.00	23.98	-3.12	3.90	24.76	30.00	-5.24
	5775	155	AVG	19.00	18.25	30.00	-11.00	3.70	22.70	-	-

Table 7-29. ISSED Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Freq [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	13.40	12.44	-	-	3.40	16.80	23.01	-6.21
	5290	58	AVG	14.00	12.99	23.98	-9.98	3.40	17.40	30.00	-12.60
	5530	106	AVG	12.89	13.00	23.98	-11.09	3.90	16.79	30.00	-13.21
	5690	138	AVG	20.85	20.80	23.98	-3.13	3.90	24.75	30.00	-5.25
	5775	155	AVG	18.22	17.49	30.00	-11.78	3.70	21.92	-	-

Table 7-30. ISSED Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [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	12.41	11.50	-	-	3.40	15.81	23.01	-7.20
	5290	58	AVG	12.95	12.50	23.98	-11.03	3.40	16.35	30.00	-13.65
	5530	106	AVG	13.00	12.38	23.98	-10.98	3.90	16.90	30.00	-13.10
	5690	138	AVG	20.92	20.98	23.98	-3.06	3.90	24.82	30.00	-5.18
	5775	155	AVG	17.36	16.61	30.00	-12.64	3.70	21.06	-	-

Table 7-31. ISSED Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 61 of 352

7.4.3 FCC Antenna WF7a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.92	17.94	17.43	23.98	-6.04
	5200	40	AVG	19.95	20.00	19.93	23.98	-3.98
	5240	48	AVG	19.94	19.84	19.92	23.98	-4.04
	5260	52	AVG	20.00	19.87	19.90	23.98	-3.98
	5300	60	AVG	19.97	19.82	19.96	23.98	-4.01
	5320	64	AVG	18.50	18.46	17.23	23.98	-5.48
	5500	100	AVG	18.43	18.43	16.88	23.98	-5.55
	5520	104	AVG	19.94	19.92	20.00	23.98	-4.04
	5580	116	AVG	20.00	19.90	20.00	23.98	-3.98
	5680	136	AVG	19.88	20.00	19.86	23.98	-3.98
	5700	140	AVG	15.70	15.75	15.74	23.98	-8.23
	5720	144	AVG	19.88	20.00	19.99	23.98	-3.98
	5745	149	AVG	21.00	21.00	20.90	30.00	-9.00
	5785	157	AVG	20.95	21.00	20.87	30.00	-9.00
	5825	165	AVG	20.85	21.00	21.00	30.00	-9.00

Table 7-32. FCC Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	17.00	16.95	16.97	23.98	-6.98
	5200	40	AVG	19.95	19.98	19.88	23.98	-4.00
	5240	48	AVG	20.00	19.95	19.90	23.98	-3.98
	5260	52	AVG	19.97	19.98	20.00	23.98	-4.00
	5300	60	AVG	19.99	20.00	19.89	23.98	-3.98
	5320	64	AVG	17.85	17.98	17.00	23.98	-6.00
	5500	100	AVG	17.49	17.35	16.22	23.98	-6.49
	5580	116	AVG	20.00	19.93	19.84	23.98	-3.98
	5660	132	AVG	19.91	19.96	19.96	23.98	-4.02
	5680	136	AVG	20.00	19.90	19.55	23.98	-3.98
	5700	140	AVG	14.99	14.95	12.82	23.98	-8.99
	5720	144	AVG	19.92	19.88	19.92	23.98	-4.06
	5745	149	AVG	20.92	20.93	21.00	30.00	-9.07
	5785	157	AVG	21.00	21.00	20.98	30.00	-9.00
	5825	165	AVG	20.93	20.84	20.90	30.00	-9.07

Table 7-33. FCC Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 62 of 352

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11a	802.11n	802.11ax		
	5180	36	AVG	16.01	16.22	15.96	23.98	-7.76
	5200	40	AVG	19.92	19.87	19.92	23.98	-4.06
	5240	48	AVG	19.88	19.82	19.83	23.98	-4.10
	5260	52	AVG	19.87	19.82	19.88	23.98	-4.11
	5300	60	AVG	19.80	19.90	19.95	23.98	-4.08
	5320	64	AVG	16.83	16.99	15.85	23.98	-6.99
	5500	100	AVG	16.42	16.40	15.46	23.98	-7.56
	5520	104	AVG	19.94	19.97	18.47	23.98	-4.01
	5580	116	AVG	19.78	19.88	19.84	23.98	-4.10
	5680	136	AVG	18.74	18.64	18.25	23.98	-5.24
	5700	140	AVG	13.80	13.94	12.95	23.98	-10.04
	5720	144	AVG	19.91	19.82	20.00	23.98	-4.07
	5745	149	AVG	20.86	20.95	20.99	30.00	-9.05
	5785	157	AVG	20.96	21.00	20.96	30.00	-9.00
	5825	165	AVG	20.85	20.97	20.76	30.00	-9.03

Table 7-34. FCC Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	16.35	13.88	23.98	-7.63
	5230	46	AVG	20.90	20.87	23.98	-3.08
	5270	54	AVG	20.87	20.75	23.98	-3.11
	5310	62	AVG	16.47	14.87	23.98	-7.51
	5510	102	AVG	15.50	13.75	23.98	-8.48
	5550	110	AVG	21.00	20.99	23.98	-2.98
	5590	118	AVG	20.99	20.93	23.98	-2.99
	5630	126	AVG	21.00	20.90	23.98	-2.98
	5670	134	AVG	17.70	15.75	23.98	-6.28
	5710	142	AVG	20.95	20.92	23.98	-3.03
	5755	151	AVG	21.00	20.96	30.00	-9.00
	5795	159	AVG	21.00	20.90	30.00	-9.00

Table 7-35. FCC Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 63 of 352

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.94	13.46	23.98	-9.04
	5230	46	AVG	20.93	20.90	23.98	-3.05
	5270	54	AVG	20.88	20.20	23.98	-3.10
	5310	62	AVG	15.84	13.80	23.98	-8.14
	5510	102	AVG	14.50	13.20	23.98	-9.48
	5550	110	AVG	20.91	20.38	23.98	-3.07
	5590	118	AVG	20.95	21.00	23.98	-3.03
	5630	126	AVG	21.00	20.97	23.98	-2.98
	5670	134	AVG	17.42	15.50	23.98	-6.56
	5710	142	AVG	20.96	20.98	23.98	-3.02
	5755	151	AVG	21.00	20.63	30.00	-9.00
	5795	159	AVG	21.00	20.95	30.00	-9.00

Table 7-36. FCC Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n	802.11ax		
	5190	38	AVG	14.30	12.93	23.98	-9.68
	5230	46	AVG	20.96	19.87	23.98	-3.02
	5270	54	AVG	20.18	19.83	23.98	-3.80
	5310	62	AVG	14.75	13.44	23.98	-9.23
	5510	102	AVG	14.15	12.45	23.98	-9.83
	5550	110	AVG	19.88	19.91	23.98	-4.10
	5590	118	AVG	20.97	20.85	23.98	-3.01
	5630	126	AVG	20.84	20.76	23.98	-3.14
	5670	134	AVG	16.43	14.92	23.98	-7.55
	5710	142	AVG	20.71	20.86	23.98	-3.27
	5755	151	AVG	20.98	20.35	30.00	-9.02
	5795	159	AVG	20.90	20.94	30.00	-9.10

Table 7-37. FCC Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	14.40	12.81	23.98	-9.58
	5290	58	AVG	14.92	13.70	23.98	-9.06
	5530	106	AVG	13.95	13.60	23.98	-10.03
	5610	122	AVG	18.62	18.16	23.98	-5.36
	5690	138	AVG	21.00	20.95	23.98	-2.98
	5775	155	AVG	18.96	18.15	30.00	-11.04

Table 7-38. FCC Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 64 of 352

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	13.40	12.46	23.98	-10.58
	5290	58	AVG	13.99	12.85	23.98	-9.99
	5530	106	AVG	12.90	12.95	23.98	-11.08
	5610	122	AVG	17.97	17.38	23.98	-6.01
	5690	138	AVG	21.00	20.88	23.98	-2.98
	5775	155	AVG	18.16	17.40	30.00	-11.84

Table 7-39. FCC Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac	802.11ax		
	5210	42	AVG	12.45	11.48	23.98	-11.53
	5290	58	AVG	12.77	12.33	23.98	-11.21
	5530	106	AVG	12.99	12.50	23.98	-10.99
	5610	122	AVG	17.23	16.75	23.98	-6.75
	5690	138	AVG	20.97	20.79	23.98	-3.01
	5775	155	AVG	17.48	16.52	30.00	-12.52

Table 7-40. FCC Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 65 of 352

7.4.4 ISED Antenna WF7a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [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	14.97	14.92	14.92	-	-	4.00	18.97	23.01	-4.04
	5200	40	AVG	14.94	14.93	15.00	-	-	4.00	18.94	23.01	-4.07
	5240	48	AVG	14.91	14.86	14.98	-	-	4.00	18.91	23.01	-4.10
	5260	52	AVG	20.00	19.87	19.90	23.98	-3.98	3.10	23.10	30.00	-6.90
	5300	60	AVG	19.97	19.82	19.96	23.98	-4.01	3.10	23.07	30.00	-6.93
	5320	64	AVG	18.50	18.46	17.23	23.98	-5.48	3.10	21.60	30.00	-8.40
	5500	100	AVG	18.43	18.43	16.88	23.98	-5.55	4.00	22.43	30.00	-7.57
	5520	104	AVG	19.94	19.92	20.00	23.98	-4.04	4.00	23.94	30.00	-6.06
	5580	116	AVG	20.00	19.90	20.00	23.98	-3.98	4.00	24.00	30.00	-6.00
	5680	136	AVG	19.88	20.00	19.86	23.98	-3.98	4.00	24.00	30.00	-6.00
	5700	140	AVG	15.70	15.75	15.74	23.98	-8.23	4.00	19.75	30.00	-10.25
	5720	144	AVG	19.88	20.00	19.99	23.98	-3.98	4.00	24.00	30.00	-6.00
	5745	149	AVG	21.00	21.00	20.90	30.00	-9.00	1.20	22.20	-	-
	5785	157	AVG	20.95	21.00	20.87	30.00	-9.00	1.20	22.20	-	-
	5825	165	AVG	20.85	21.00	21.00	30.00	-9.00	1.20	22.20	-	-

Table 7-41. ISED Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [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	15.00	14.90	14.99	-	-	4.00	19.00	23.01	-4.01
	5200	40	AVG	14.98	14.89	14.94	-	-	4.00	18.98	23.01	-4.03
	5240	48	AVG	15.00	14.82	14.98	-	-	4.00	19.00	23.01	-4.01
	5260	52	AVG	19.97	19.98	20.00	23.98	-4.00	3.10	23.08	30.00	-6.92
	5300	60	AVG	19.99	20.00	19.89	23.98	-3.98	3.10	23.10	30.00	-6.90
	5320	64	AVG	17.85	17.98	17.00	23.98	-6.00	3.10	21.08	30.00	-8.92
	5500	100	AVG	17.49	17.35	16.22	23.98	-6.49	4.00	21.49	30.00	-8.51
	5520	104	AVG	20.00	19.87	19.91	23.98	-3.98	4.00	24.00	30.00	-6.00
	5580	116	AVG	20.00	19.93	19.84	23.98	-3.98	4.00	24.00	30.00	-6.00
	5660	132	AVG	19.91	19.96	19.96	23.98	-4.02	4.00	23.96	30.00	-6.04
	5680	136	AVG	20.00	19.90	19.55	23.98	-3.98	4.00	24.00	30.00	-6.00
	5700	140	AVG	14.99	14.95	12.82	23.98	-8.99	4.00	18.99	30.00	-11.01
	5720	144	AVG	19.92	19.88	19.92	23.98	-4.06	4.00	23.92	30.00	-6.08
	5745	149	AVG	20.92	20.93	21.00	30.00	-9.07	1.20	22.13	-	-
	5785	157	AVG	21.00	21.00	20.98	30.00	-9.00	1.20	22.20	-	-
	5825	165	AVG	20.93	20.84	20.90	30.00	-9.07	1.20	22.13	-	-

Table 7-42. ISED Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Freq [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	14.80	14.96	14.96	-	-	4.00	18.96	23.01	-4.05
	5200	40	AVG	14.84	14.81	14.90	-	-	4.00	18.84	23.01	-4.17
	5240	48	AVG	14.99	14.99	14.82	-	-	4.00	18.99	23.01	-4.02
	5260	52	AVG	19.87	19.82	19.88	23.98	-4.11	3.10	22.97	30.00	-7.03
	5300	60	AVG	19.80	19.90	19.95	23.98	-4.08	3.10	23.00	30.00	-7.00
	5320	64	AVG	16.83	16.99	15.85	23.98	-6.99	3.10	20.09	30.00	-9.91
	5500	100	AVG	16.42	16.40	15.46	23.98	-7.56	4.00	20.42	30.00	-9.58
	5520	104	AVG	19.94	19.97	18.47	23.98	-4.01	4.00	23.97	30.00	-6.03
	5580	116	AVG	19.78	19.88	19.84	23.98	-4.10	4.00	23.88	30.00	-6.12
	5680	136	AVG	18.74	18.64	18.25	23.98	-5.24	4.00	22.74	30.00	-7.26
	5700	140	AVG	13.80	13.94	12.95	23.98	-10.04	4.00	17.94	30.00	-12.06
	5720	144	AVG	19.91	19.82	20.00	23.98	-4.07	4.00	23.91	30.00	-6.09
	5745	149	AVG	20.86	20.95	20.99	30.00	-9.05	1.20	22.15	-	-
	5785	157	AVG	20.96	21.00	20.96	30.00	-9.00	1.20	22.20	-	-
	5825	165	AVG	20.85	20.97	20.76	30.00	-9.03	1.20	22.17	-	-

Table 7-43. ISED Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 66 of 352

5GHz (40MHz Bandwidth)	Freq [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	16.35	13.88	-	-	4.00	20.35	23.01	-2.66
	5230	46	AVG	17.38	17.45	-	-	4.00	21.38	23.01	-1.63
	5270	54	AVG	20.87	20.75	23.98	-3.11	3.10	23.97	30.00	-6.03
	5310	62	AVG	16.47	14.87	23.98	-7.51	3.10	19.57	30.00	-10.43
	5510	102	AVG	15.50	13.75	23.98	-8.48	4.00	19.50	30.00	-10.50
	5550	110	AVG	21.00	20.99	23.98	-2.98	4.00	25.00	30.00	-5.00
	5670	134	AVG	17.70	15.75	23.98	-6.28	4.00	21.70	30.00	-8.30
	5710	142	AVG	20.95	20.92	23.98	-3.03	4.00	24.95	30.00	-5.05
	5755	151	AVG	21.00	20.96	30.00	-9.00	1.20	22.20	-	-
	5795	159	AVG	21.00	20.90	30.00	-9.00	1.20	22.20	-	-

Table 7-44. ISED Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Freq [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	14.94	13.46	-	-	4.00	18.94	23.01	-4.07
	5230	46	AVG	17.49	17.50	-	-	4.00	21.49	23.01	-1.52
	5270	54	AVG	20.88	20.20	23.98	-3.10	3.10	23.98	30.00	-6.02
	5310	62	AVG	15.84	13.80	23.98	-8.14	3.10	18.94	30.00	-11.06
	5510	102	AVG	14.50	13.20	23.98	-9.48	4.00	18.50	30.00	-11.50
	5550	110	AVG	20.91	20.38	23.98	-3.07	4.00	24.91	30.00	-5.09
	5670	134	AVG	17.42	15.50	23.98	-6.56	4.00	21.42	30.00	-8.58
	5710	142	AVG	20.96	20.98	23.98	-3.02	4.00	24.96	30.00	-5.04
	5755	151	AVG	21.00	20.63	30.00	-9.00	1.20	22.20	-	-
	5795	159	AVG	21.00	20.95	30.00	-9.00	1.20	22.20	-	-

Table 7-45. ISED Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Freq [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	14.30	12.93	-	-	4.00	18.30	23.01	-4.71
	5230	46	AVG	17.40	17.35	-	-	4.00	21.40	23.01	-1.61
	5270	54	AVG	20.18	19.83	23.98	-3.80	3.10	23.28	30.00	-6.72
	5310	62	AVG	14.75	13.44	23.98	-9.23	3.10	17.85	30.00	-12.15
	5510	102	AVG	14.15	12.45	23.98	-9.83	4.00	18.15	30.00	-11.85
	5550	110	AVG	19.88	19.91	23.98	-4.10	4.00	23.88	30.00	-6.12
	5670	134	AVG	16.43	14.92	23.98	-7.55	4.00	20.43	30.00	-9.57
	5710	142	AVG	20.71	20.86	23.98	-3.27	4.00	24.71	30.00	-5.29
	5755	151	AVG	20.98	20.35	30.00	-9.02	1.20	22.18	-	-
	5795	159	AVG	20.90	20.94	30.00	-9.10	1.20	22.10	-	-

Table 7-46. ISED Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 67 of 352

5GHz (80MHz Bandwidth)	Freq [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	12.81	-	-	4.00	18.40	23.01	-4.61
	5290	58	AVG	14.92	13.70	23.98	-9.06	3.10	18.02	30.00	-11.98
	5530	106	AVG	13.95	13.60	23.98	-10.03	4.00	17.95	30.00	-12.05
	5690	138	AVG	21.00	20.95	23.98	-2.98	4.00	25.00	30.00	-5.00
	5775	155	AVG	18.96	18.15	30.00	-11.04	1.20	20.16	-	-

Table 7-47. ISED Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Freq [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	13.40	12.46	-	-	4.00	17.40	23.01	-5.61
	5290	58	AVG	13.99	12.85	23.98	-9.99	3.10	17.09	30.00	-12.91
	5530	106	AVG	12.90	12.95	23.98	-11.08	4.00	16.90	30.00	-13.10
	5690	138	AVG	21.00	20.88	23.98	-2.98	4.00	25.00	30.00	-5.00
	5775	155	AVG	18.16	17.40	30.00	-11.84	1.20	19.36	-	-

Table 7-48. ISED Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [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	12.45	11.48	-	-	4.00	16.45	23.01	-6.56
	5290	58	AVG	12.77	12.33	23.98	-11.21	3.10	15.87	30.00	-14.13
	5530	106	AVG	12.99	12.50	23.98	-10.99	4.00	16.99	30.00	-13.01
	5690	138	AVG	20.97	20.79	23.98	-3.01	4.00	24.97	30.00	-5.03
	5775	155	AVG	17.48	16.52	30.00	-12.52	1.20	18.68	-	-

Table 7-49. ISED Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 68 of 352

7.4.5 FCC CDD/SDM 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 WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	16.07	16.13	19.11	23.26	-4.15
	5200	40	CDD	AVG	16.03	16.25	19.15	23.26	-4.11
	5240	48	CDD	AVG	16.12	16.25	19.20	23.26	-4.06
	5260	52	CDD	AVG	16.35	16.35	19.36	23.72	-4.36
	5300	60	CDD	AVG	16.38	16.36	19.38	23.72	-4.34
	5320	64	CDD	AVG	16.49	16.46	19.49	23.72	-4.23
	5500	100	CDD	AVG	15.85	15.87	18.87	23.02	-4.15
	5580	116	CDD	AVG	15.84	15.83	18.85	23.02	-4.17
	5680	136	CDD	AVG	15.91	15.83	18.88	23.02	-4.14
	5700	140	CDD	AVG	15.00	14.88	17.95	23.02	-5.07
	5720	144	CDD	AVG	15.89	15.87	18.89	23.02	-4.13
	5745	149	CDD	AVG	20.95	20.85	23.91	30.00	-6.09
	5785	157	CDD	AVG	20.85	20.71	23.79	30.00	-6.21
	5825	165	CDD	AVG	20.89	21.00	23.96	30.00	-6.04

Table 7-50. FCC CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	15.92	15.99	18.97	23.26	-4.29
	5200	40	CDD	AVG	16.15	16.15	19.16	23.26	-4.10
	5240	48	CDD	AVG	16.12	16.18	19.16	23.26	-4.10
	5260	52	CDD	AVG	16.41	16.38	19.41	23.72	-4.31
	5300	60	CDD	AVG	16.38	16.41	19.41	23.72	-4.31
	5320	64	CDD	AVG	16.50	16.46	16.00	23.72	-7.72
	5500	100	CDD	AVG	15.95	15.87	18.92	23.02	-4.10
	5580	116	CDD	AVG	15.90	15.96	18.94	23.02	-4.08
	5680	136	CDD	AVG	15.91	15.92	18.93	23.02	-4.09
	5700	140	CDD	AVG	14.00	14.00	17.01	23.02	-6.01
	5720	144	CDD	AVG	16.00	16.00	19.01	23.02	-4.01
	5745	149	CDD	AVG	20.80	20.92	23.87	30.00	-6.13
	5785	157	CDD	AVG	20.87	20.90	23.90	30.00	-6.10
	5825	165	CDD	AVG	20.93	20.83	23.89	30.00	-6.11

Table 7-51. FCC CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	15.25	15.21	18.24	23.26	-5.02
	5200	40	CDD	AVG	16.25	16.25	19.26	23.26	-4.00
	5240	48	CDD	AVG	16.24	16.15	19.21	23.26	-4.05
	5260	52	CDD	AVG	16.50	16.40	19.46	23.72	-4.26
	5300	60	CDD	AVG	16.40	16.38	19.40	23.72	-4.32
	5320	64	CDD	AVG	15.50	15.50	18.51	23.72	-5.21
	5500	100	CDD	AVG	15.50	15.50	18.51	23.02	-4.51
	5520	104	CDD	AVG	16.00	15.89	18.96	23.02	-4.06
	5580	116	CDD	AVG	15.90	15.82	18.87	23.02	-4.15
	5680	136	CDD	AVG	16.00	15.88	18.95	23.02	-4.07
	5700	140	CDD	AVG	13.00	12.89	15.96	23.02	-7.06
	5720	144	CDD	AVG	15.95	15.96	18.97	23.02	-4.05
	5745	149	CDD	AVG	20.82	20.85	23.85	30.00	-6.15
	5785	157	CDD	AVG	20.85	20.93	23.90	30.00	-6.10
	5825	165	CDD	AVG	20.96	20.97	23.98	30.00	-6.02

Table 7-52. FCC CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	SDM	AVG	16.46	16.30	19.39	23.98	-4.59
	5200	40	SDM	AVG	16.84	16.81	19.84	23.98	-4.14
	5240	48	SDM	AVG	17.00	16.91	19.97	23.98	-4.01
	5260	52	SDM	AVG	16.98	16.90	19.95	23.98	-4.03
	5300	60	SDM	AVG	16.92	16.85	19.90	23.98	-4.08
	5320	64	SDM	AVG	16.90	16.78	19.85	23.98	-4.13
	5500	100	SDM	AVG	16.89	16.82	19.87	23.98	-4.11
	5580	116	SDM	AVG	16.94	16.87	19.92	23.98	-4.06
	5680	136	SDM	AVG	16.97	16.88	19.94	23.98	-4.04
	5700	140	CDD	AVG	14.80	14.84	17.83	23.02	-5.19
	5720	144	SDM	AVG	16.96	16.88	19.93	23.98	-4.05
	5745	149	CDD	AVG	20.77	20.81	23.80	30.00	-6.20
	5785	157	CDD	AVG	20.88	20.88	23.89	30.00	-6.11
	5825	165	CDD	AVG	20.84	20.87	23.87	30.00	-6.13

Table 7-53. FCC CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	15.81	15.99	18.91	23.26	-4.35
	5200	40	SDM	AVG	16.99	16.90	19.96	23.98	-4.02
	5240	48	SDM	AVG	17.00	16.90	19.96	23.98	-4.02
	5260	52	SDM	AVG	16.99	16.99	20.00	23.98	-3.98
	5300	60	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5320	64	CDD	AVG	16.38	16.41	19.41	23.72	-4.31
	5500	100	SDM	AVG	16.50	16.50	19.51	23.98	-4.47
	5520	104	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5580	116	SDM	AVG	16.92	17.00	19.97	23.98	-4.01
	5680	136	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5700	140	CDD	AVG	13.92	13.99	16.97	23.02	-6.05
	5720	144	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5745	149	CDD	AVG	21.00	20.96	23.99	30.00	-6.01
	5785	157	CDD	AVG	21.00	20.97	24.00	30.00	-6.00
	5825	165	CDD	AVG	21.00	21.00	24.01	30.00	-5.99

Table 7-54. FCC CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	15.14	15.17	18.17	23.26	-5.09
	5200	40	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5240	48	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5260	52	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5300	60	SDM	AVG	16.85	16.95	19.91	23.98	-4.07
	5320	64	CDD	AVG	15.50	15.50	18.51	23.72	-5.21
	5500	100	CDD	AVG	15.50	15.50	18.51	23.02	-4.51
	5520	104	SDM	AVG	17.00	16.90	19.96	23.98	-4.02
	5580	116	SDM	AVG	16.99	16.99	20.00	23.98	-3.98
	5680	136	SDM	AVG	17.00	16.92	19.97	23.98	-4.01
	5700	140	CDD	AVG	12.97	12.85	15.92	23.02	-7.10
	5720	144	SDM	AVG	17.00	16.89	19.96	23.98	-4.02
	5745	149	CDD	AVG	20.99	20.93	23.97	30.00	-6.03
	5785	157	CDD	AVG	20.99	20.97	23.99	30.00	-6.01
	5825	165	CDD	AVG	20.90	20.90	23.91	30.00	-6.09

Table 7-55. FCC CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	15.46	15.49	18.49	23.26	-4.77
	5200	40	SDM	AVG	16.88	16.89	19.90	23.98	-4.08
	5240	48	SDM	AVG	16.87	16.88	19.89	23.98	-4.09
	5260	52	SDM	AVG	16.94	16.85	19.91	23.98	-4.07
	5300	60	SDM	AVG	16.99	16.91	19.96	23.98	-4.02
	5320	64	CDD	AVG	16.16	16.00	19.09	23.72	-4.63
	5500	100	SDM	AVG	16.42	16.29	19.37	23.98	-4.61
	5520	104	SDM	AVG	16.91	16.97	19.95	23.98	-4.03
	5580	116	SDM	AVG	16.97	16.76	19.88	23.98	-4.10
	5680	136	SDM	AVG	16.93	16.88	19.92	23.98	-4.06
	5700	140	CDD	AVG	13.08	13.25	16.18	23.02	-6.84
	5720	144	SDM	AVG	16.98	16.99	20.00	23.98	-3.98
	5745	149	CDD	AVG	20.85	20.90	23.89	30.00	-6.11
	5785	157	CDD	AVG	20.85	20.96	23.92	30.00	-6.08
	5825	165	CDD	AVG	20.85	20.91	23.89	30.00	-6.11

Table 7-56. FCC CDD/SDM 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	14.77	14.81	17.80	23.26	-5.46
	5200	40	SDM	AVG	16.95	17.00	19.99	23.98	-3.99
	5240	48	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5260	52	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5300	60	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5320	64	CDD	AVG	15.80	15.86	18.84	23.72	-4.88
	5500	100	CDD	AVG	16.00	15.97	19.00	23.02	-4.02
	5520	104	SDM	AVG	16.90	16.90	19.91	23.98	-4.07
	5580	116	SDM	AVG	16.85	16.91	19.89	23.98	-4.09
	5660	132	SDM	AVG	16.99	17.00	20.01	23.98	-3.97
	5680	136	SDM	AVG	16.90	16.85	19.89	23.98	-4.09
	5700	140	CDD	AVG	12.75	12.75	15.76	23.02	-7.26
	5720	144	SDM	AVG	16.95	17.00	19.99	23.98	-3.99
	5745	149	CDD	AVG	20.86	20.87	23.88	30.00	-6.12
	5785	157	CDD	AVG	20.85	21.00	23.94	30.00	-6.06
	5825	165	CDD	AVG	20.88	20.90	23.90	30.00	-6.10

Table 7-57. FCC CDD/SDM 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	14.17	14.25	17.22	23.26	-6.04
	5200	40	SDM	AVG	17.00	16.97	20.00	23.98	-3.98
	5240	48	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5260	52	SDM	AVG	17.00	16.89	19.96	23.98	-4.02
	5300	60	SDM	AVG	17.00	17.00	20.01	23.98	-3.97
	5320	64	CDD	AVG	15.50	15.26	18.39	23.72	-5.33
	5500	100	CDD	AVG	15.08	15.12	18.11	23.02	-4.91
	5520	104	SDM	AVG	16.90	17.00	19.96	23.98	-4.02
	5580	116	SDM	AVG	16.82	16.94	19.89	23.98	-4.09
	5680	136	SDM	AVG	16.45	16.33	19.40	23.98	-4.58
	5700	140	CDD	AVG	12.25	12.22	15.25	23.02	-7.77
	5720	144	SDM	AVG	16.93	16.87	19.91	23.98	-4.07
	5745	149	CDD	AVG	20.94	20.83	23.90	30.00	-6.10
	5785	157	CDD	AVG	20.88	20.80	23.85	30.00	-6.15
	5825	165	CDD	AVG	21.00	20.87	23.95	30.00	-6.05

Table 7-58. FCC CDD/SDM 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	13.24	13.44	16.35	23.26	-6.91
	5230	46	SDM	AVG	19.29	19.38	22.35	23.98	-1.63
	5270	54	SDM	AVG	19.43	19.35	22.40	23.98	-1.58
	5310	62	CDD	AVG	14.23	14.16	17.21	23.72	-6.51
	5510	102	CDD	AVG	13.90	13.98	16.95	23.02	-6.07
	5550	110	SDM	AVG	19.28	19.28	22.29	23.98	-1.69
	5590	118	SDM	AVG	19.41	19.25	22.34	23.98	-1.64
	5630	126	SDM	AVG	19.40	19.26	22.34	23.98	-1.64
	5670	134	CDD	AVG	17.35	17.45	20.41	23.02	-2.61
	5710	142	SDM	AVG	19.33	19.30	22.33	23.98	-1.65
	5755	151	CDD	AVG	20.85	20.99	23.93	30.00	-6.07
	5795	159	CDD	AVG	20.89	20.83	23.87	30.00	-6.13

Table 7-59. FCC CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	12.49	12.46	15.49	23.26	-7.77
	5230	46	SDM	AVG	19.48	19.45	22.48	23.98	-1.50
	5270	54	SDM	AVG	19.45	19.50	22.49	23.98	-1.49
	5310	62	CDD	AVG	13.24	13.44	16.35	23.72	-7.37
	5510	102	CDD	AVG	13.00	12.98	16.00	23.02	-7.02
	5550	110	SDM	AVG	19.50	19.40	22.46	23.98	-1.52
	5590	118	SDM	AVG	19.49	19.41	22.46	23.98	-1.52
	5630	126	SDM	AVG	19.50	19.40	22.46	23.98	-1.52
	5670	134	CDD	AVG	16.31	16.34	19.34	23.02	-3.68
	5710	142	SDM	AVG	19.50	19.43	22.48	23.98	-1.50
	5755	151	CDD	AVG	21.00	21.00	24.01	30.00	-5.99
	5795	159	CDD	AVG	20.88	21.00	23.95	30.00	-6.05

Table 7-60. FCC CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 73 of 352

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	12.00	11.98	15.00	23.26	-8.26
	5230	46	SDM	AVG	19.44	19.43	22.45	23.98	-1.53
	5270	54	SDM	AVG	19.08	19.25	22.18	23.98	-1.80
	5310	62	CDD	AVG	12.79	12.85	15.83	23.72	-7.89
	5510	102	CDD	AVG	12.20	12.25	15.24	23.02	-7.78
	5550	110	SDM	AVG	19.37	19.50	22.45	23.98	-1.53
	5590	118	SDM	AVG	19.44	19.40	22.43	23.98	-1.55
	5630	126	SDM	AVG	19.44	19.45	22.46	23.98	-1.52
	5670	134	CDD	AVG	15.47	15.49	18.49	23.02	-4.53
	5710	142	SDM	AVG	19.50	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	21.00	21.00	24.01	30.00	-5.99
	5795	159	CDD	AVG	21.00	21.00	24.01	30.00	-5.99

Table 7-61. FCC CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	10.68	10.73	13.72	23.26	-9.54
	5230	46	SDM	AVG	19.50	19.50	22.51	23.98	-1.47
	5270	54	SDM	AVG	19.29	19.50	22.41	23.98	-1.57
	5310	62	CDD	AVG	12.60	12.75	15.69	23.72	-8.03
	5510	102	CDD	AVG	11.96	11.81	14.90	23.02	-8.12
	5550	110	SDM	AVG	18.74	19.00	21.88	23.98	-2.10
	5590	118	SDM	AVG	19.40	19.38	22.40	23.98	-1.58
	5630	126	SDM	AVG	19.50	19.40	22.46	23.98	-1.52
	5670	134	CDD	AVG	15.32	15.40	18.37	23.02	-4.65
	5710	142	SDM	AVG	19.26	19.35	22.32	23.98	-1.66
	5755	151	CDD	AVG	20.84	20.90	23.88	30.00	-6.12
	5795	159	CDD	AVG	20.80	20.93	23.88	30.00	-6.12

Table 7-62. FCC CDD/SDM 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	10.68	10.73	13.72	23.26	-9.54
	5230	46	SDM	AVG	19.50	19.50	22.51	23.98	-1.47
	5270	54	SDM	AVG	19.40	19.45	22.44	23.98	-1.54
	5310	62	CDD	AVG	12.40	12.37	15.40	23.72	-8.32
	5510	102	CDD	AVG	11.40	11.50	14.46	23.02	-8.56
	5550	110	CDD	AVG	18.50	18.50	21.51	23.02	-1.51
	5590	118	SDM	AVG	19.40	19.50	22.46	23.98	-1.52
	5630	126	SDM	AVG	19.50	19.50	22.51	23.98	-1.47
	5670	134	CDD	AVG	14.90	14.85	17.89	23.02	-5.13
	5710	142	SDM	AVG	19.50	19.50	22.51	23.98	-1.47
	5755	151	CDD	AVG	20.47	20.50	23.50	30.00	-6.50
	5795	159	CDD	AVG	21.00	21.00	24.01	30.00	-5.99

Table 7-63. FCC CDD/SDM 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 74 of 352

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	10.40	10.35	13.39	23.26	-9.87
	5230	46	SDM	AVG	18.94	19.00	21.98	23.98	-2.00
	5270	54	CDD	AVG	19.00	18.90	21.96	23.72	-1.76
	5310	62	CDD	AVG	12.25	12.11	15.19	23.72	-8.53
	5510	102	CDD	AVG	11.00	11.00	14.01	23.02	-9.01
	5550	110	CDD	AVG	17.75	17.65	20.71	23.02	-2.31
	5590	118	SDM	AVG	19.50	19.45	22.49	23.98	-1.49
	5630	126	SDM	AVG	19.30	19.36	22.34	23.98	-1.64
	5670	134	CDD	AVG	13.85	14.00	16.94	23.02	-6.08
	5710	142	SDM	AVG	19.35	19.50	22.44	23.98	-1.54
	5755	151	CDD	AVG	20.25	20.25	23.26	30.00	-6.74
	5795	159	CDD	AVG	20.96	20.94	23.96	30.00	-6.04

Table 7-64. FCC CDD/SDM 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	11.41	11.36	14.40	23.26	-8.86
	5290	58	CDD	AVG	12.15	12.20	15.19	23.72	-8.53
	5530	106	CDD	AVG	12.36	12.44	15.41	23.02	-7.61
	5610	122	CDD	AVG	18.25	18.23	21.25	23.02	-1.77
	5690	138	SDM	AVG	20.00	20.00	23.01	23.98	-0.97
	5775	155	CDD	AVG	18.35	18.25	21.31	30.00	-8.69

Table 7-65. FCC CDD/SDM 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	10.53	10.72	13.64	23.26	-9.62
	5290	58	CDD	AVG	11.75	11.75	14.76	23.72	-8.96
	5530	106	CDD	AVG	11.50	11.50	14.51	23.02	-8.51
	5610	122	CDD	AVG	17.40	17.50	20.46	23.02	-2.56
	5690	138	SDM	AVG	19.89	20.00	22.96	23.98	-1.02
	5775	155	CDD	AVG	17.65	17.72	20.70	30.00	-9.30

Table 7-66. FCC CDD/SDM 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	9.87	9.88	12.89	23.26	-10.37
	5290	58	CDD	AVG	10.80	10.87	13.85	23.72	-9.87
	5530	106	CDD	AVG	11.00	10.90	13.96	23.02	-9.06
	5610	122	CDD	AVG	16.90	16.95	19.94	23.02	-3.08
	5690	138	SDM	AVG	20.00	19.90	22.96	23.98	-1.02
	5775	155	CDD	AVG	17.25	17.15	20.21	30.00	-9.79

Table 7-67. FCC CDD/SDM 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	10.48	10.41	13.46	23.26	-9.80
	5290	58	CDD	AVG	11.56	11.54	14.56	23.72	-9.16
	5530	106	CDD	AVG	10.70	10.90	13.81	23.02	-9.21
	5610	122	CDD	AVG	17.25	17.14	20.21	23.02	-2.81
	5690	138	SDM	AVG	19.95	19.73	22.85	23.98	-1.13
	5775	155	CDD	AVG	17.40	17.40	20.41	30.00	-9.59

Table 7-68. FCC CDD/SDM 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	9.94	9.89	12.93	23.26	-10.33
	5290	58	CDD	AVG	11.05	11.15	14.11	23.72	-9.61
	5530	106	CDD	AVG	10.45	10.50	13.49	23.02	-9.53
	5610	122	CDD	AVG	16.50	16.50	19.51	23.02	-3.51
	5690	138	SDM	AVG	19.88	19.85	22.88	23.98	-1.10
	5775	155	CDD	AVG	17.00	17.00	20.01	30.00	-9.99

Table 7-69. FCC CDD/SDM 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	8.76	8.99	11.89	23.26	-11.37
	5290	58	CDD	AVG	10.50	10.50	13.51	23.72	-10.21
	5530	106	CDD	AVG	9.87	9.93	12.91	23.02	-10.11
	5610	122	CDD	AVG	16.00	15.90	18.96	23.02	-4.06
	5690	138	SDM	AVG	20.00	20.00	23.01	23.98	-0.97
	5775	155	CDD	AVG	16.00	15.90	18.96	30.00	-11.04

Table 7-70. FCC CDD/SDM 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 76 of 352

7.4.6 ISED CDD/SDM Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	CDD	AVG	12.08	12.18	15.14	-	-	6.72	21.86	23.01	-1.15
	5200	40	CDD	AVG	12.24	12.23	15.25	-	-	6.72	21.97	23.01	-1.04
	5240	48	CDD	AVG	12.08	12.15	15.13	-	-	6.72	21.85	23.01	-1.16
	5260	52	CDD	AVG	16.35	16.35	19.36	23.72	-4.36	6.26	25.62	30.00	-4.38
	5300	60	CDD	AVG	16.38	16.36	19.38	23.72	-4.34	6.26	25.64	30.00	-4.36
	5320	64	CDD	AVG	16.49	16.46	19.49	23.72	-4.23	6.26	25.75	30.00	-4.25
	5500	100	CDD	AVG	15.85	15.87	18.87	23.02	-4.15	6.96	25.83	30.00	-4.17
	5580	116	CDD	AVG	15.84	15.83	18.85	23.02	-4.17	6.96	25.81	30.00	-4.19
	5680	136	CDD	AVG	15.91	15.83	18.88	23.02	-4.14	6.96	25.84	30.00	-4.16
	5700	140	CDD	AVG	15.00	14.88	17.95	23.02	-5.07	6.96	24.91	30.00	-5.09
	5720	144	CDD	AVG	15.89	15.87	18.89	23.02	-4.13	6.96	25.85	30.00	-4.15
	5745	149	CDD	AVG	20.95	20.85	23.91	30.00	-6.09	5.55	29.46	-	-
	5785	157	CDD	AVG	20.85	20.71	23.79	30.00	-6.21	5.55	29.34	-	-
	5825	165	CDD	AVG	20.89	21.00	23.96	30.00	-6.04	5.55	29.51	-	-

Table 7-71. ISED CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	CDD	AVG	12.22	12.25	15.25	-	-	6.72	21.97	23.01	-1.04
	5200	40	CDD	AVG	12.24	12.25	15.26	-	-	6.72	21.98	23.01	-1.03
	5240	48	CDD	AVG	12.14	12.20	15.18	-	-	6.72	21.90	23.01	-1.11
	5260	52	CDD	AVG	16.41	16.38	19.41	23.72	-4.31	6.26	25.67	30.00	-4.33
	5300	60	CDD	AVG	16.38	16.41	19.41	23.72	-4.31	6.26	25.67	30.00	-4.33
	5320	64	CDD	AVG	16.50	16.46	16.00	23.72	-7.72	6.26	22.26	30.00	-7.74
	5500	100	CDD	AVG	15.95	15.87	18.92	23.02	-4.10	6.96	25.88	30.00	-4.12
	5580	116	CDD	AVG	15.90	15.96	18.94	23.02	-4.08	6.96	25.90	30.00	-4.10
	5680	136	CDD	AVG	15.91	15.92	18.93	23.02	-4.09	6.96	25.89	30.00	-4.11
	5700	140	CDD	AVG	14.00	14.00	17.01	23.02	-6.01	6.96	23.97	30.00	-6.03
	5720	144	CDD	AVG	16.00	16.00	19.01	23.02	-4.01	6.96	25.97	30.00	-4.03
	5745	149	CDD	AVG	20.80	20.92	23.87	30.00	-6.13	5.55	29.42	-	-
	5785	157	CDD	AVG	20.87	20.90	23.90	30.00	-6.10	5.55	29.45	-	-
	5825	165	CDD	AVG	20.93	20.83	23.89	30.00	-6.11	5.55	29.44	-	-

Table 7-72. ISED CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	CDD	AVG	12.14	12.22	15.19	-	-	6.72	21.91	23.01	-1.10
	5200	40	CDD	AVG	12.23	12.19	15.22	-	-	6.72	21.94	23.01	-1.07
	5240	48	CDD	AVG	12.25	12.11	15.19	-	-	6.72	21.91	23.01	-1.10
	5260	52	CDD	AVG	16.50	16.40	19.46	23.72	-4.26	6.26	25.72	30.00	-4.28
	5300	60	CDD	AVG	16.40	16.38	19.40	23.72	-4.32	6.26	25.66	30.00	-4.34
	5320	64	CDD	AVG	15.50	15.50	18.51	23.72	-5.21	6.26	24.77	30.00	-5.23
	5500	100	CDD	AVG	15.50	15.50	18.51	23.02	-4.51	6.96	25.47	30.00	-4.53
	5520	104	CDD	AVG	16.00	15.89	18.96	23.02	-4.06	6.96	25.92	30.00	-4.08
	5580	116	CDD	AVG	15.90	15.82	18.87	23.02	-4.15	6.96	25.83	30.00	-4.17
	5680	136	CDD	AVG	16.00	15.88	18.95	23.02	-4.07	6.96	25.91	30.00	-4.09
	5700	140	CDD	AVG	13.00	12.89	15.96	23.02	-7.06	6.96	22.92	30.00	-7.08
	5720	144	CDD	AVG	15.95	15.96	18.97	23.02	-4.05	6.96	25.93	30.00	-4.07
	5745	149	CDD	AVG	20.82	20.85	23.85	30.00	-6.15	5.55	29.40	-	-
	5785	157	CDD	AVG	20.85	20.93	23.90	30.00	-6.10	5.55	29.45	-	-
	5825	165	CDD	AVG	20.96	20.97	23.98	30.00	-6.02	5.55	29.53	-	-

Table 7-73. ISED CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 77 of 352

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	12.14	12.05	15.11	-	-	3.71	18.82	23.01	-4.19
	5200	40	SDM	AVG	12.20	12.08	15.15	-	-	3.71	18.86	23.01	-4.15
	5240	48	SDM	AVG	12.14	12.16	15.16	-	-	3.71	18.87	23.01	-4.14
	5260	52	SDM	AVG	16.98	16.90	19.95	23.98	-4.03	3.25	23.20	30.00	-6.80
	5300	60	SDM	AVG	16.92	16.85	19.90	23.98	-4.08	3.25	23.15	30.00	-6.85
	5320	64	SDM	AVG	16.90	16.78	19.85	23.98	-4.13	3.25	23.10	30.00	-6.90
	5500	100	SDM	AVG	16.89	16.82	19.87	23.98	-4.11	3.95	23.82	30.00	-6.18
	5580	116	SDM	AVG	16.94	16.87	19.92	23.98	-4.06	3.95	23.87	30.00	-6.13
	5680	136	SDM	AVG	16.97	16.88	19.94	23.98	-4.04	3.95	23.89	30.00	-6.11
	5700	140	CDD	AVG	14.80	14.84	17.83	23.02	-5.19	6.96	24.79	30.00	-5.21
	5720	144	SDM	AVG	16.96	16.88	19.93	23.98	-4.05	3.95	23.88	30.00	-6.12
	5745	149	CDD	AVG	20.77	20.81	23.80	30.00	-6.20	5.55	29.35	-	-
	5785	157	CDD	AVG	20.88	20.88	23.89	30.00	-6.11	5.55	29.44	-	-
	5825	165	CDD	AVG	20.84	20.87	23.87	30.00	-6.13	5.55	29.42	-	-

Table 7-74. ISSED CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	12.12	12.18	15.16	-	-	3.71	18.87	23.01	-4.14
	5200	40	SDM	AVG	12.23	12.17	15.21	-	-	3.71	18.92	23.01	-4.09
	5240	48	SDM	AVG	12.16	12.25	15.22	-	-	3.71	18.93	23.01	-4.08
	5260	52	SDM	AVG	16.99	16.99	20.00	23.98	-3.98	3.25	23.25	30.00	-6.75
	5300	60	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.25	23.26	30.00	-6.74
	5320	64	CDD	AVG	16.38	16.41	19.41	23.72	-4.31	6.26	25.67	30.00	-4.33
	5500	100	SDM	AVG	16.50	16.50	19.51	23.98	-4.47	3.95	23.46	30.00	-6.54
	5520	104	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.95	23.96	30.00	-6.04
	5580	116	SDM	AVG	16.92	17.00	19.97	23.98	-4.01	3.95	23.92	30.00	-6.08
	5680	136	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.95	23.96	30.00	-6.04
	5700	140	CDD	AVG	13.92	13.99	16.97	23.02	-6.05	6.96	23.93	30.00	-6.07
	5720	144	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.95	23.96	30.00	-6.04
	5745	149	CDD	AVG	21.00	20.96	23.99	30.00	-6.01	5.55	29.54	-	-
	5785	157	CDD	AVG	21.00	20.97	24.00	30.00	-6.00	5.55	29.55	-	-
	5825	165	CDD	AVG	21.00	21.00	24.01	30.00	-5.99	5.55	29.56	-	-

Table 7-75. ISSED CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	12.10	12.13	15.13	-	-	3.71	18.84	23.01	-4.17
	5200	40	SDM	AVG	12.23	12.16	15.21	-	-	3.71	18.92	23.01	-4.09
	5240	48	SDM	AVG	12.24	12.09	15.18	-	-	3.71	18.89	23.01	-4.12
	5260	52	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.25	23.26	30.00	-6.74
	5300	60	SDM	AVG	16.85	16.95	19.91	23.98	-4.07	3.25	23.16	30.00	-6.84
	5320	64	CDD	AVG	15.50	15.50	18.51	23.72	-5.21	6.26	24.77	30.00	-5.23
	5500	100	CDD	AVG	15.50	15.50	18.51	23.02	-4.51	6.96	25.47	30.00	-4.53
	5520	104	SDM	AVG	17.00	16.90	19.96	23.98	-4.02	3.95	23.91	30.00	-6.09
	5580	116	SDM	AVG	16.99	16.99	20.00	23.98	-3.98	3.95	23.95	30.00	-6.05
	5680	136	SDM	AVG	17.00	16.92	19.97	23.98	-4.01	3.95	23.92	30.00	-6.08
	5700	140	CDD	AVG	12.97	12.85	15.92	23.02	-7.10	6.96	22.88	30.00	-7.12
	5720	144	SDM	AVG	17.00	16.89	19.96	23.98	-4.02	3.95	23.91	30.00	-6.09
	5745	149	CDD	AVG	20.99	20.93	23.97	30.00	-6.03	5.55	29.52	-	-
	5785	157	CDD	AVG	20.99	20.97	23.99	30.00	-6.01	5.55	29.54	-	-
	5825	165	CDD	AVG	20.90	20.90	23.91	30.00	-6.09	5.55	29.46	-	-

Table 7-76. ISSED CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 78 of 352

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	12.25	12.17	15.22	-	-	3.71	18.93	23.01	-4.08
	5200	40	SDM	AVG	12.19	12.08	15.15	-	-	3.71	18.86	23.01	-4.15
	5240	48	SDM	AVG	12.20	12.22	15.22	-	-	3.71	18.93	23.01	-4.08
	5260	52	SDM	AVG	16.94	16.85	19.91	23.98	-4.07	3.25	23.16	30.00	-6.84
	5300	60	SDM	AVG	16.99	16.91	19.96	23.98	-4.02	3.25	23.21	30.00	-6.79
	5320	64	CDD	AVG	16.16	16.00	19.09	23.72	-4.63	6.26	25.35	30.00	-4.65
	5500	100	SDM	AVG	16.42	16.29	19.37	23.98	-4.61	3.95	23.32	30.00	-6.68
	5520	104	SDM	AVG	16.91	16.97	19.95	23.98	-4.03	3.95	23.90	30.00	-6.10
	5580	116	SDM	AVG	16.97	16.76	19.88	23.98	-4.10	3.95	23.83	30.00	-6.17
	5680	136	SDM	AVG	16.93	16.88	19.92	23.98	-4.06	3.95	23.87	30.00	-6.13
	5700	140	CDD	AVG	13.08	13.25	16.18	23.02	-6.84	6.96	23.14	30.00	-6.86
	5720	144	SDM	AVG	16.98	16.99	20.00	23.98	-3.98	3.95	23.95	30.00	-6.05
	5745	149	CDD	AVG	20.85	20.90	23.89	30.00	-6.11	5.55	29.44	-	-
	5785	157	CDD	AVG	20.85	20.96	23.92	30.00	-6.08	5.55	29.47	-	-
	5825	165	CDD	AVG	20.85	20.91	23.89	30.00	-6.11	5.55	29.44	-	-

Table 7-77. ISSED CDD/SDM 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	12.24	12.25	15.26	-	-	3.71	18.97	23.01	-4.04
	5200	40	SDM	AVG	12.25	12.24	15.26	-	-	3.71	18.97	23.01	-4.04
	5240	48	SDM	AVG	12.24	12.22	15.24	-	-	3.71	18.95	23.01	-4.06
	5260	52	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.25	23.26	30.00	-6.74
	5300	60	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.25	23.26	30.00	-6.74
	5320	64	CDD	AVG	15.80	15.86	18.84	23.72	-4.88	6.26	25.10	30.00	-4.90
	5500	100	CDD	AVG	16.00	15.97	19.00	23.02	-4.02	6.96	25.96	30.00	-4.04
	5520	104	SDM	AVG	16.90	16.90	19.91	23.98	-4.07	3.95	23.86	30.00	-6.14
	5580	116	SDM	AVG	16.85	16.91	19.89	23.98	-4.09	3.95	23.84	30.00	-6.16
	5680	136	SDM	AVG	16.90	16.85	19.89	23.98	-4.09	3.95	23.84	30.00	-6.16
	5700	140	CDD	AVG	12.75	12.75	15.76	23.02	-7.26	6.96	22.72	30.00	-7.28
	5720	144	SDM	AVG	16.95	17.00	19.99	23.98	-3.99	3.95	23.94	30.00	-6.06
	5745	149	CDD	AVG	20.86	20.87	23.88	30.00	-6.12	5.55	29.43	-	-
	5785	157	CDD	AVG	20.85	21.00	23.94	30.00	-6.06	5.55	29.49	-	-
	5825	165	CDD	AVG	20.88	20.90	23.90	30.00	-6.10	5.55	29.45	-	-

Table 7-78. ISSED CDD/SDM 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (20MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	12.20	12.22	15.22	-	-	3.71	18.93	23.01	-4.08
	5200	40	SDM	AVG	12.22	12.10	15.17	-	-	3.71	18.88	23.01	-4.13
	5240	48	SDM	AVG	12.20	12.07	15.15	-	-	3.71	18.86	23.01	-4.15
	5260	52	SDM	AVG	17.00	16.89	19.96	23.98	-4.02	3.25	23.21	30.00	-6.79
	5300	60	SDM	AVG	17.00	17.00	20.01	23.98	-3.97	3.25	23.26	30.00	-6.74
	5320	64	SDM	AVG	15.50	15.26	18.39	23.98	-5.59	3.25	21.64	30.00	-8.36
	5500	100	CDD	AVG	15.08	15.12	18.11	23.02	-4.91	6.96	25.07	30.00	-4.93
	5520	104	SDM	AVG	16.90	17.00	19.96	23.98	-4.02	3.95	23.91	30.00	-6.09
	5580	116	SDM	AVG	16.82	16.94	19.89	23.98	-4.09	3.95	23.84	30.00	-6.16
	5680	136	SDM	AVG	16.45	16.33	19.40	23.98	-4.58	3.95	23.35	30.00	-6.65
	5700	140	CDD	AVG	12.25	12.22	15.25	23.02	-7.77	6.96	22.21	30.00	-7.79
	5720	144	SDM	AVG	16.93	16.87	19.91	23.98	-4.07	3.95	23.86	30.00	-6.14
	5745	149	CDD	AVG	20.94	20.83	23.90	30.00	-6.10	5.55	29.45	-	-
	5785	157	CDD	AVG	20.88	20.80	23.85	30.00	-6.15	5.55	29.40	-	-
	5825	165	CDD	AVG	21.00	20.87	23.95	30.00	-6.05	5.55	29.50	-	-

Table 7-79. ISSED CDD/SDM 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 79 of 352

5GHz (40MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5190	38	CDD	AVG	13.14	13.34	16.25	-	-	6.72	22.97	23.01	-0.04
	5230	46	SDM	AVG	14.50	14.56	17.54	-	-	3.71	21.25	23.01	-1.76
	5270	54	SDM	AVG	19.43	19.35	22.40	23.98	-1.58	3.25	25.65	30.00	-4.35
	5310	62	CDD	AVG	14.23	14.16	17.21	23.72	-6.51	6.26	23.47	30.00	-6.53
	5510	102	CDD	AVG	13.90	13.98	16.95	23.02	-6.07	6.96	23.91	30.00	-6.09
	5550	110	SDM	AVG	19.28	19.28	22.29	23.98	-1.69	3.95	26.24	30.00	-3.76
	5670	134	CDD	AVG	17.35	17.45	20.41	23.02	-2.61	6.96	27.37	30.00	-2.63
	5710	142	SDM	AVG	19.33	19.30	22.33	23.98	-1.65	3.95	26.28	30.00	-3.72
	5755	151	CDD	AVG	20.85	20.99	23.93	30.00	-6.07	5.55	29.48	-	-
	5795	159	CDD	AVG	20.89	20.83	23.87	30.00	-6.13	5.55	29.42	-	-

Table 7-80. ISSED CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (40MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5190	38	CDD	AVG	12.49	12.46	15.49	-	-	6.72	22.21	23.01	-0.80
	5230	46	SDM	AVG	14.75	14.72	17.75	-	-	3.71	21.46	23.01	-1.55
	5270	54	SDM	AVG	19.45	19.50	22.49	23.98	-1.49	3.25	25.74	30.00	-4.26
	5310	62	CDD	AVG	13.24	13.44	16.35	23.72	-7.37	6.26	22.61	30.00	-7.39
	5510	102	CDD	AVG	13.00	12.98	16.00	23.02	-7.02	6.96	22.96	30.00	-7.04
	5550	110	SDM	AVG	19.50	19.40	22.46	23.98	-1.52	3.95	26.41	30.00	-3.59
	5670	134	CDD	AVG	16.31	16.34	19.34	23.02	-3.68	6.96	26.30	30.00	-3.70
	5710	142	SDM	AVG	19.50	19.43	22.48	23.98	-1.50	3.95	26.43	30.00	-3.57
	5755	151	CDD	AVG	21.00	21.00	24.01	30.00	-5.99	5.55	29.56	-	-
	5795	159	CDD	AVG	20.88	21.00	23.95	30.00	-6.05	5.55	29.50	-	-

Table 7-81. ISSED CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5190	38	CDD	AVG	12.00	11.98	15.00	-	-	6.72	21.72	23.01	-1.29
	5230	46	SDM	AVG	14.60	14.63	17.63	-	-	3.71	21.34	23.01	-1.67
	5270	54	SDM	AVG	19.08	19.25	22.18	23.98	-1.80	3.25	25.43	30.00	-4.57
	5310	62	CDD	AVG	12.79	12.85	15.83	23.72	-7.89	6.26	22.09	30.00	-7.91
	5510	102	CDD	AVG	12.20	12.25	15.24	23.02	-7.78	6.96	22.20	30.00	-7.80
	5550	110	SDM	AVG	19.37	19.50	22.45	23.98	-1.53	3.95	26.40	30.00	-3.60
	5670	134	CDD	AVG	15.47	15.49	18.49	23.02	-4.53	6.96	25.45	30.00	-4.55
	5710	142	SDM	AVG	19.50	19.50	22.51	23.98	-1.47	3.95	26.46	30.00	-3.54
	5755	151	CDD	AVG	21.00	21.00	24.01	30.00	-5.99	5.55	29.56	-	-
	5795	159	CDD	AVG	21.00	21.00	24.01	30.00	-5.99	5.55	29.56	-	-

Table 7-82. ISSED CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (40MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5190	38	CDD	AVG	10.68	10.73	13.72	-	-	6.72	20.44	23.01	-2.57
	5230	46	SDM	AVG	14.67	14.73	17.71	-	-	3.71	21.42	23.01	-1.59
	5270	54	SDM	AVG	19.29	19.50	22.41	23.98	-1.57	3.25	25.66	30.00	-4.34
	5310	62	CDD	AVG	12.60	12.75	15.69	23.72	-8.03	6.26	21.95	30.00	-8.05
	5510	102	CDD	AVG	11.96	11.81	14.90	23.02	-8.12	6.96	21.86	30.00	-8.14
	5550	110	SDM	AVG	18.74	19.00	21.88	23.98	-2.10	3.95	25.83	30.00	-4.17
	5670	134	CDD	AVG	15.32	15.40	18.37	23.02	-4.65	6.96	25.33	30.00	-4.67
	5710	142	SDM	AVG	19.26	19.35	22.32	23.98	-1.66	3.95	26.27	30.00	-3.73
	5755	151	CDD	AVG	20.84	20.90	23.88	30.00	-6.12	5.55	29.43	-	-
	5795	159	CDD	AVG	20.80	20.93	23.88	30.00	-6.12	5.55	29.43	-	-

Table 7-83. ISSED CDD/SDM 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5190	38	CDD	AVG	10.68	10.73	13.72	-	-	6.72	20.44	23.01	-2.57
	5230	46	SDM	AVG	14.66	14.72	17.70	-	-	3.71	21.41	23.01	-1.60
	5270	54	SDM	AVG	19.40	19.45	22.44	23.98	-1.54	3.25	25.69	30.00	-4.31
	5310	62	CDD	AVG	12.40	12.37	15.40	23.72	-8.32	6.26	21.66	30.00	-8.34
	5510	102	CDD	AVG	11.40	11.50	14.46	23.02	-8.56	6.96	21.42	30.00	-8.58
	5550	110	CDD	AVG	18.50	18.50	21.51	23.02	-1.51	6.96	28.47	30.00	-1.53
	5670	134	CDD	AVG	14.90	14.85	17.89	23.02	-5.13	6.96	24.85	30.00	-5.15
	5710	142	SDM	AVG	19.50	19.50	22.51	23.98	-1.47	3.95	26.46	30.00	-3.54
	5755	151	CDD	AVG	20.47	20.50	23.50	30.00	-6.50	5.55	29.05	-	-
	5795	159	CDD	AVG	21.00	21.00	24.01	30.00	-5.99	5.55	29.56	-	-

Table 7-84. ISED CDD/SDM 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (40MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5190	38	CDD	AVG	10.40	10.35	13.39	-	-	6.72	20.11	23.01	-2.90
	5230	46	SDM	AVG	14.56	14.75	17.67	-	-	3.71	21.38	23.01	-1.63
	5270	54	CDD	AVG	19.00	18.90	21.96	23.72	-1.76	6.26	28.22	30.00	-1.78
	5310	62	CDD	AVG	12.25	12.11	15.19	23.72	-8.53	6.26	21.45	30.00	-8.55
	5510	102	CDD	AVG	11.00	11.00	14.01	23.02	-9.01	6.96	20.97	30.00	-9.03
	5550	110	CDD	AVG	17.75	17.65	20.71	23.02	-2.31	6.96	27.67	30.00	-2.33
	5670	134	CDD	AVG	13.85	14.00	16.94	23.02	-6.08	6.96	23.90	30.00	-6.10
	5710	142	SDM	AVG	19.35	19.50	22.44	23.98	-1.54	3.95	26.39	30.00	-3.61
	5755	151	CDD	AVG	20.25	20.25	23.26	30.00	-6.74	5.55	28.81	-	-
	5795	159	CDD	AVG	20.96	20.94	23.96	30.00	-6.04	5.55	29.51	-	-

Table 7-85. ISED CDD/SDM 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

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5GHz (80MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	11.41	11.36	14.40	-	-	6.72	21.12	23.01	-1.89
	5290	58	CDD	AVG	12.15	12.20	15.19	23.72	-8.53	6.26	21.45	30.00	-8.55
	5530	106	CDD	AVG	12.36	12.44	15.41	23.02	-7.61	6.96	22.37	30.00	-7.63
	5690	138	SDM	AVG	20.00	20.00	23.01	23.98	-0.97	3.95	26.96	30.00	-3.04
	5775	155	CDD	AVG	18.35	18.25	21.31	30.00	-8.69	5.55	26.86	-	-

Table 7-86. ISED CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	10.53	10.72	13.64	-	-	6.72	20.36	23.01	-2.65
	5290	58	CDD	AVG	11.75	11.75	14.76	23.72	-8.96	6.26	21.02	30.00	-8.98
	5530	106	CDD	AVG	11.50	11.50	14.51	23.02	-8.51	6.96	21.47	30.00	-8.53
	5690	138	SDM	AVG	19.89	20.00	22.96	23.98	-1.02	3.95	26.91	30.00	-3.09
	5775	155	CDD	AVG	17.65	17.72	20.70	30.00	-9.30	5.55	26.25	-	-

Table 7-87. ISED CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	9.87	9.88	12.89	-	-	6.72	19.61	23.01	-3.40
	5290	58	CDD	AVG	10.80	10.87	13.85	23.72	-9.87	6.26	20.11	30.00	-9.89
	5530	106	CDD	AVG	11.00	10.90	13.96	23.02	-9.06	6.96	20.92	30.00	-9.08
	5690	138	SDM	AVG	20.00	19.90	22.96	23.98	-1.02	3.95	26.91	30.00	-3.09
	5775	155	CDD	AVG	17.25	17.15	20.21	30.00	-9.79	5.55	25.76	-	-

Table 7-88. ISED CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP (High Data Rate)

5GHz (80MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	10.48	10.41	13.46	-	-	6.72	20.18	23.01	-2.83
	5290	58	CDD	AVG	11.56	11.54	14.56	23.72	-9.16	6.26	20.82	30.00	-9.18
	5530	106	CDD	AVG	10.70	10.90	13.81	23.02	-9.21	6.96	20.77	30.00	-9.23
	5690	138	SDM	AVG	19.95	19.73	22.85	23.98	-1.13	3.95	26.80	30.00	-3.20
	5775	155	CDD	AVG	17.40	17.40	20.41	30.00	-9.59	5.55	25.96	-	-

Table 7-89. ISED CDD 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Low Data Rate)

5GHz (80MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	9.94	9.89	12.93	-	-	6.72	19.65	23.01	-3.36
	5290	58	CDD	AVG	11.05	11.15	14.11	23.72	-9.61	6.26	20.37	30.00	-9.63
	5530	106	CDD	AVG	10.45	10.50	13.49	23.02	-9.53	6.96	20.45	30.00	-9.55
	5690	138	SDM	AVG	19.88	19.85	22.88	23.98	-1.10	3.95	26.83	30.00	-3.17
	5775	155	CDD	AVG	17.00	17.00	20.01	30.00	-9.99	5.55	25.56	-	-

Table 7-90. ISED CDD 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power and Max EIRP (Mid Data Rate)

5GHz (80MHz Bandwidth)	Freq [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 WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	8.76	8.99	11.89	-	-	6.72	18.61	23.01	-4.40
	5290	58	CDD	AVG	10.50	10.50	13.51	23.72	-10.21	6.26	19.77	30.00	-10.23
	5530	106	CDD	AVG	9.87	9.93	12.91	23.02	-10.11	6.96	19.87	30.00	-10.13
	5690	138	SDM	AVG	20.00	20.00	23.01	23.98	-0.97	3.95	26.96	30.00	-3.04
	5775	155	CDD	AVG	16.00	15.90	18.96	30.00	-11.04	5.55	24.51	-	-

Table 7-91. ISED CDD 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 WF8 and Antenna WF7a 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 16.46 dBm for Antenna WF8 and 16.30 dBm for Antenna WF7a.

$$\text{Antenna WF8} + \text{Antenna WF7a} = \text{CDD/SDM}$$

$$(16.46 \text{ dBm} + 16.30 \text{ dBm}) = (44.26 \text{ mW} + 42.66 \text{ mW}) = 86.92 \text{ mW} = 19.39 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 19.39 dBm with directional gain of 3.71 dBi.

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

$$19.39 \text{ dBm} + 3.71 \text{ dBi} = 23.10 \text{ dBm}$$

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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 WF8 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)	6.11	11.0	-4.89
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	8.71	11.0	-2.30
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	8.81	11.0	-2.19
	5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	5.00	11.0	-6.00
	5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	7.18	11.0	-3.82
	5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	7.23	11.0	-3.77
	5190	38	n (40MHz)	13.5/15 (MCS0)	1.99	11.0	-9.01
	5230	46	n (40MHz)	13.5/15 (MCS0)	7.03	11.0	-3.97
	5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.13	11.0	-11.13
	5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	7.13	11.0	-3.87
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-2.74	11.0	-13.74
	5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-6.06	11.0	-17.06
Band 2A	5260	52	n (20MHz)	6.5/7.2 (MCS0)	8.35	11.0	-2.65
	5280	56	n (20MHz)	6.5/7.2 (MCS0)	8.32	11.0	-2.68
	5320	64	n (20MHz)	6.5/7.2 (MCS0)	6.40	11.0	-4.60
	5260	52	ax (SU) (20MHz)	8/8.6 (MCS0)	6.57	11.0	-4.44
	5280	56	ax (SU) (20MHz)	8/8.6 (MCS0)	6.76	11.0	-4.24
	5320	64	ax (SU) (20MHz)	8/8.6 (MCS0)	3.68	11.0	-7.32
	5270	54	n (40MHz)	13.5/15 (MCS0)	6.27	11.0	-4.73
	5310	62	n (40MHz)	13.5/15 (MCS0)	1.68	11.0	-9.32
	5270	54	ax (SU) (40MHz)	16/17.2 (MCS0)	4.68	11.0	-6.32
	5310	62	ax (SU) (40MHz)	16/17.2 (MCS0)	-1.47	11.0	-12.47
	5290	58	ac (80MHz)	29.3/32.5 (MCS0)	-2.64	11.0	-13.64
	5290	58	ax (SU) (80MHz)	34/36 (MCS0)	-4.84	11.0	-15.84
Band 2C	5500	100	n (20MHz)	6.5/7.2 (MCS0)	5.46	11.0	-5.54
	5580	116	n (20MHz)	6.5/7.2 (MCS0)	7.18	11.0	-3.82
	5720	144	n (20MHz)	6.5/7.2 (MCS0)	7.40	11.0	-3.60
	5500	100	ax (SU) (20MHz)	8/8.6 (MCS0)	2.27	11.0	-8.73
	5580	116	ax (SU) (20MHz)	8/8.6 (MCS0)	8.37	11.0	-2.64
	5720	144	ax (SU) (20MHz)	8/8.6 (MCS0)	5.75	11.0	-5.25
	5510	102	n (40MHz)	13.5/15 (MCS0)	-0.04	11.0	-11.04
	5550	110	n (40MHz)	13.5/15 (MCS0)	7.55	11.0	-3.45
	*5590	118	n (40MHz)	13.5/15 (MCS0)	5.77	11.0	-5.23
	5710	142	n (40MHz)	13.5/15 (MCS0)	6.27	11.0	-4.74
	5510	102	ax (SU) (40MHz)	16/17.2 (MCS0)	-2.04	11.0	-13.04
	5550	110	ax (SU) (40MHz)	16/17.2 (MCS0)	5.77	11.0	-5.23
	*5590	118	ax (SU) (40MHz)	16/17.2 (MCS0)	3.71	11.0	-7.29
	5710	142	ax (SU) (40MHz)	16/17.2 (MCS0)	5.59	11.0	-5.41
	5530	106	ac (80MHz)	29.3/32.5 (MCS0)	-4.38	11.0	-15.38
	*5610	122	ac (80MHz)	29.3/32.5 (MCS0)	0.80	11.0	-10.20
	5690	138	ac (80MHz)	29.3/32.5 (MCS0)	-0.16	11.0	-11.16
	5530	106	ax (SU) (80MHz)	34/36 (MCS0)	-6.10	11.0	-17.10
	*5610	122	ax (SU) (80MHz)	34/36 (MCS0)	-2.36	11.0	-13.36
	5690	138	ax (SU) (80MHz)	34/36 (MCS0)	1.84	11.0	-9.17

Table 7-92. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (Low Data Rate)

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

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	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)	8.21	11.0	-2.79
	5200	40	n (20MHz)	26/28.9 (MCS3)	9.04	11.0	-1.96
	5240	48	n (20MHz)	26/28.9 (MCS3)	9.43	11.0	-1.57
	5180	36	ax (SU) (20MHz)	33/34.4 (MCS3)	4.49	11.0	-6.51
	5200	40	ax (SU) (20MHz)	33/34.4 (MCS3)	4.86	11.0	-6.14
	5240	48	ax (SU) (20MHz)	33/34.4 (MCS3)	4.94	11.0	-6.06
	5190	38	n (40MHz)	54/60 (MCS3)	4.13	11.0	-6.87
	5230	46	n (40MHz)	54/60 (MCS3)	8.88	11.0	-2.12
	5190	38	ax (SU) (40MHz)	65/68.8 (MCS3)	-2.65	11.0	-13.65
	5230	46	ax (SU) (40MHz)	65/68.8 (MCS3)	4.93	11.0	-6.07
	5210	42	ac (80MHz)	117/130 (MCS3)	-0.10	11.0	-11.10
	5210	42	ax (SU) (80MHz)	136/144.1 (MCS3)	-5.79	11.0	-16.79
Band 2A	5260	52	n (20MHz)	26/28.9 (MCS3)	9.30	11.0	-1.70
	5280	56	n (20MHz)	26/28.9 (MCS3)	9.38	11.0	-1.62
	5320	64	n (20MHz)	26/28.9 (MCS3)	7.89	11.0	-3.11
	5260	52	ax (SU) (20MHz)	33/34.4 (MCS3)	4.05	11.0	-6.95
	5280	56	ax (SU) (20MHz)	33/34.4 (MCS3)	5.08	11.0	-5.92
	5320	64	ax (SU) (20MHz)	33/34.4 (MCS3)	3.83	11.0	-7.17
	5270	54	n (40MHz)	54/60 (MCS3)	8.70	11.0	-2.30
	5310	62	n (40MHz)	54/60 (MCS3)	3.58	11.0	-7.42
	5270	54	ax (SU) (40MHz)	65/68.8 (MCS3)	3.83	11.0	-7.17
	5310	62	ax (SU) (40MHz)	65/68.8 (MCS3)	-1.89	11.0	-12.89
	5290	58	ac (80MHz)	117/130 (MCS3)	-0.06	11.0	-11.06
	5290	58	ax (SU) (80MHz)	136/144.1 (MCS3)	-4.49	11.0	-15.49
Band 2C	5500	100	n (20MHz)	26/28.9 (MCS3)	8.11	11.0	-2.90
	5580	116	n (20MHz)	26/28.9 (MCS3)	8.89	11.0	-2.11
	5720	144	n (20MHz)	26/28.9 (MCS3)	8.86	11.0	-2.14
	5500	100	ax (SU) (20MHz)	33/34.4 (MCS3)	4.07	11.0	-6.93
	5580	116	ax (SU) (20MHz)	33/34.4 (MCS3)	7.41	11.0	-3.59
	5720	144	ax (SU) (20MHz)	33/34.4 (MCS3)	4.52	11.0	-6.49
	5510	102	n (40MHz)	54/60 (MCS3)	2.61	11.0	-8.40
	5550	110	n (40MHz)	54/60 (MCS3)	8.64	11.0	-2.36
	*5590	118	n (40MHz)	54/60 (MCS3)	8.65	11.0	-2.36
	5710	142	n (40MHz)	54/60 (MCS3)	9.13	11.0	-1.87
	5510	102	ax (SU) (40MHz)	65/68.8 (MCS3)	-2.47	11.0	-13.47
	5550	110	ax (SU) (40MHz)	65/68.8 (MCS3)	2.07	11.0	-8.93
	*5590	118	ax (SU) (40MHz)	65/68.8 (MCS3)	4.26	11.0	-6.74
	5710	142	ax (SU) (40MHz)	65/68.8 (MCS3)	4.68	11.0	-6.32
	5530	106	ac (80MHz)	117/130 (MCS3)	-1.05	11.0	-12.05
	*5610	122	ac (80MHz)	117/130 (MCS3)	3.69	11.0	-7.31
	5690	138	ac (80MHz)	117/130 (MCS3)	5.03	11.0	-5.97
	5530	106	ax (SU) (80MHz)	136/144.1 (MCS3)	-5.45	11.0	-16.45
	*5610	122	ax (SU) (80MHz)	136/144.1 (MCS3)	0.85	11.0	-10.15
	5690	138	ax (SU) (80MHz)	136/144.1 (MCS3)	0.19	11.0	-10.81

Table 7-93. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (Mid Data Rate)

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

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 86 of 352

	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)	4.55	11.0	-6.45
	5200	40	n (20MHz)	52/57.8 (MCS5)	8.72	11.0	-2.29
	5240	48	n (20MHz)	52/57.8 (MCS5)	8.62	11.0	-2.38
	5180	36	ax (SU) (20MHz)	65/68.8 (MCS5)	4.43	11.0	-6.58
	5200	40	ax (SU) (20MHz)	65/68.8 (MCS5)	8.34	11.0	-2.66
	5240	48	ax (SU) (20MHz)	65/68.8 (MCS5)	8.43	11.0	-2.57
	5190	38	n (40MHz)	108/120 (MCS5)	0.73	11.0	-10.27
	5230	46	n (40MHz)	108/120 (MCS5)	7.03	11.0	-3.97
	5190	38	ax (SU) (40MHz)	130/137.6 (MCS5)	-0.75	11.0	-11.75
	5230	46	ax (SU) (40MHz)	130/137.6 (MCS5)	6.01	11.0	-4.99
	5210	42	ac (80MHz)	234/260 (MCS5)	-3.37	11.0	-14.37
	5210	42	ax (SU) (80MHz)	272/288.2 (MCS5)	-5.06	11.0	-16.06
Band 2A	5260	52	n (20MHz)	52/57.8 (MCS5)	8.59	11.0	-2.41
	5280	56	n (20MHz)	52/57.8 (MCS5)	8.65	11.0	-2.35
	5320	64	n (20MHz)	52/57.8 (MCS5)	6.24	11.0	-4.76
	5260	52	ax (SU) (20MHz)	65/68.8 (MCS5)	8.36	11.0	-2.64
	5280	56	ax (SU) (20MHz)	65/68.8 (MCS5)	8.58	11.0	-2.42
	5320	64	ax (SU) (20MHz)	65/68.8 (MCS5)	4.49	11.0	-6.51
	5270	54	n (40MHz)	108/120 (MCS5)	6.60	11.0	-4.40
	5310	62	n (40MHz)	108/120 (MCS5)	1.19	11.0	-9.81
	5270	54	ax (SU) (40MHz)	130/137.6 (MCS5)	6.22	11.0	-4.78
	5310	62	ax (SU) (40MHz)	130/137.6 (MCS5)	-0.18	11.0	-11.18
	5290	58	ac (80MHz)	234/260 (MCS5)	-2.97	11.0	-13.97
	5290	58	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.36	11.0	-15.36
Band 2C	5500	100	n (20MHz)	52/57.8 (MCS5)	5.19	11.0	-5.81
	5580	116	n (20MHz)	52/57.8 (MCS5)	9.14	11.0	-1.86
	5720	144	n (20MHz)	52/57.8 (MCS5)	8.93	11.0	-2.07
	5500	100	ax (SU) (20MHz)	65/68.8 (MCS5)	3.63	11.0	-7.37
	5580	116	ax (SU) (20MHz)	65/68.8 (MCS5)	8.85	11.0	-2.15
	5720	144	ax (SU) (20MHz)	65/68.8 (MCS5)	8.47	11.0	-2.53
	5510	102	n (40MHz)	108/120 (MCS5)	0.34	11.0	-10.67
	5550	110	n (40MHz)	108/120 (MCS5)	6.51	11.0	-4.49
	*5590	118	n (40MHz)	108/120 (MCS5)	7.40	11.0	-3.60
	5710	142	n (40MHz)	108/120 (MCS5)	7.46	11.0	-3.54
	5510	102	ax (SU) (40MHz)	130/137.6 (MCS5)	-1.25	11.0	-12.25
	5550	110	ax (SU) (40MHz)	130/137.6 (MCS5)	5.84	11.0	-5.16
	*5590	118	ax (SU) (40MHz)	130/137.6 (MCS5)	6.70	11.0	-4.30
	5710	142	ax (SU) (40MHz)	130/137.6 (MCS5)	7.14	11.0	-3.86
	5530	106	ac (80MHz)	234/260 (MCS5)	-3.31	11.0	-14.31
	*5610	122	ac (80MHz)	234/260 (MCS5)	1.22	11.0	-9.78
	5690	138	ac (80MHz)	234/260 (MCS5)	2.71	11.0	-8.29
	5530	106	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.35	11.0	-15.35
	*5610	122	ax (SU) (80MHz)	272/288.2 (MCS5)	0.51	11.0	-10.49
	5690	138	ax (SU) (80MHz)	272/288.2 (MCS5)	1.78	11.0	-9.23

Table 7-94. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (High Data Rate)

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

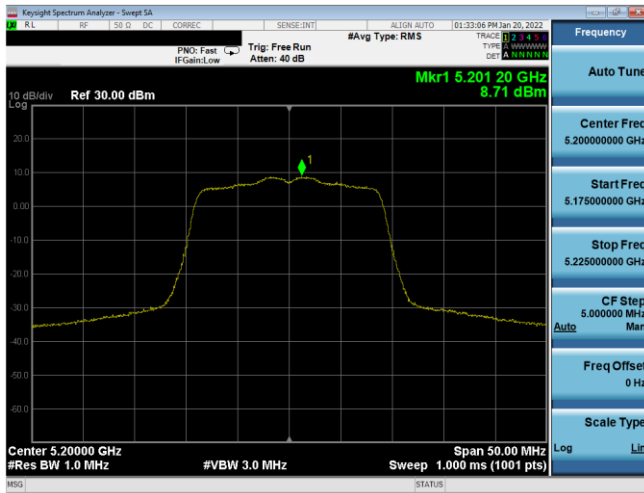
FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 87 of 352

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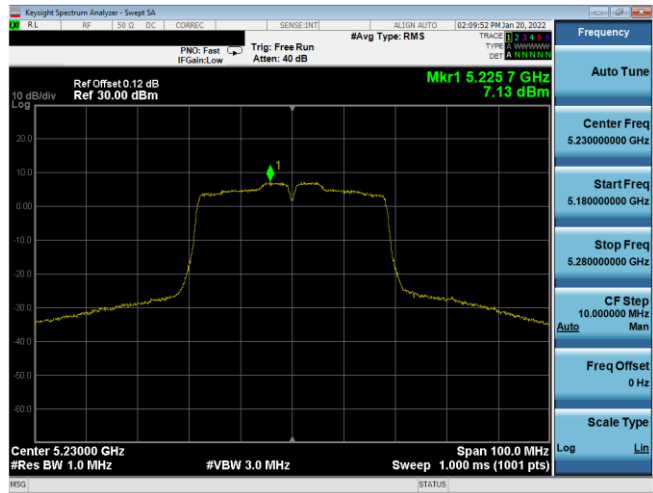
V 10.5 12/15/2021

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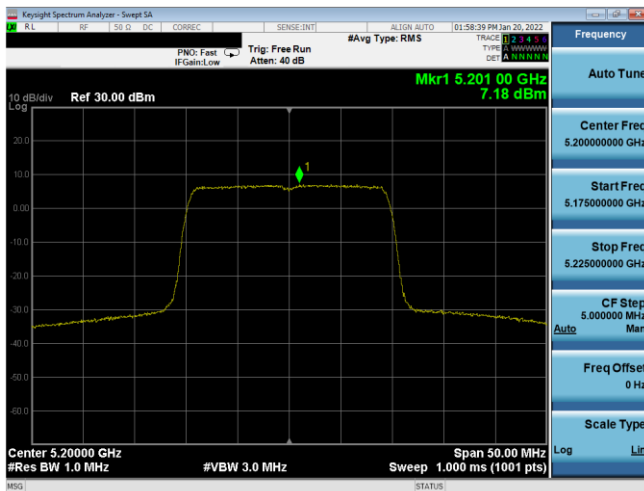
Low Data Rate



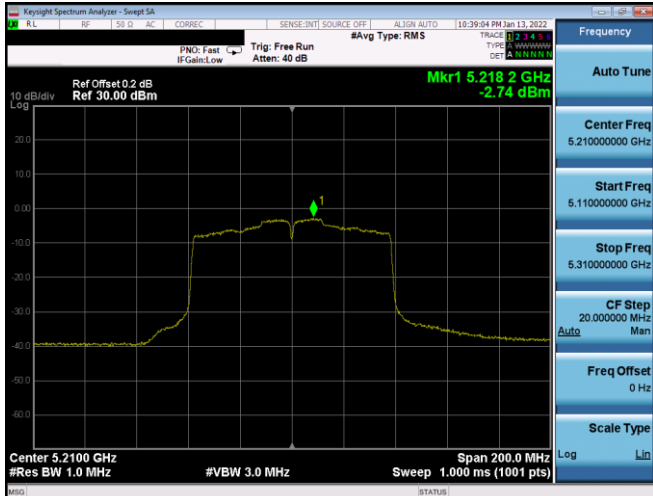
Plot 7-145. PSD Antenna WF8 (20MHz BW 802.11n - Ch. 40, MCS0)



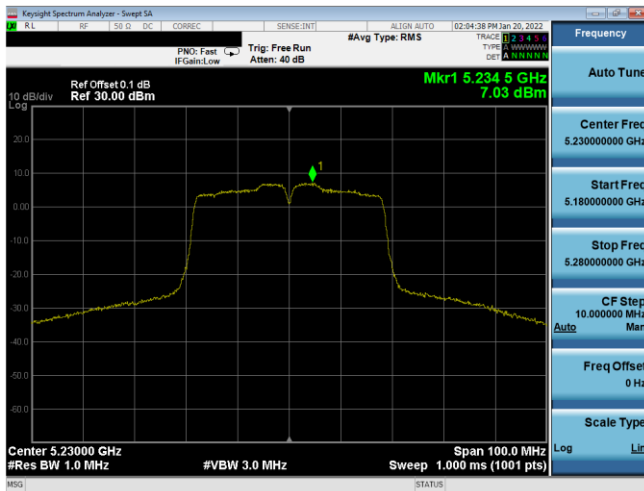
Plot 7-148. PSD Antenna WF8 (40MHz BW 802.11ax(SU) - Ch. 46, MCS0)



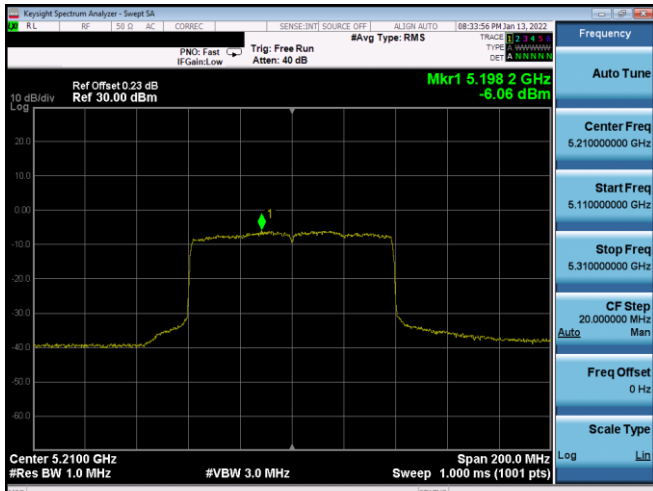
Plot 7-146. PSD Antenna WF8 (20MHz BW 802.11ax(SU) - Ch. 40, MCS0)



Plot 7-149. PSD Antenna WF8 (80MHz BW 802.11ac - Ch. 42, MCS0)

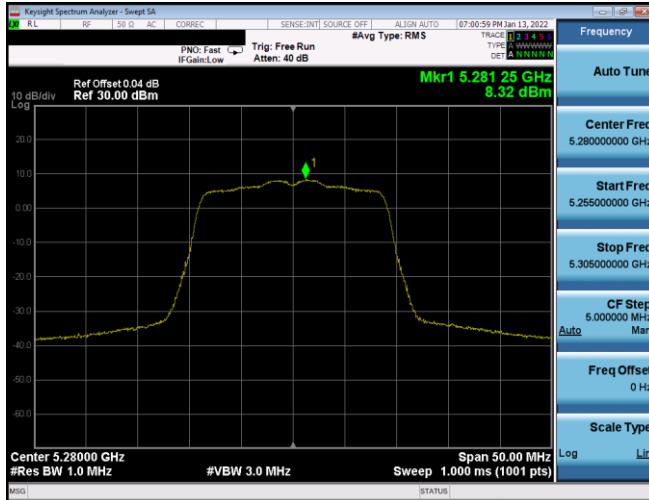


Plot 7-147. PSD Antenna WF8 (40MHz BW 802.11n - Ch. 46, MCS0)

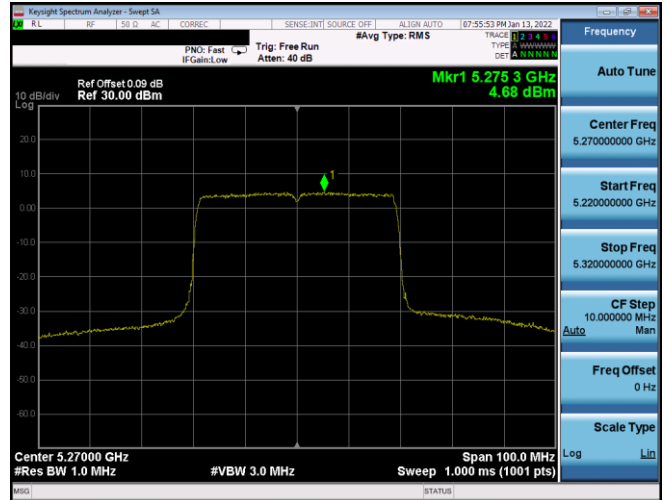


Plot 7-150. PSD Antenna WF8 (80MHz BW 802.11ax(SU) - Ch. 42, MCS0)

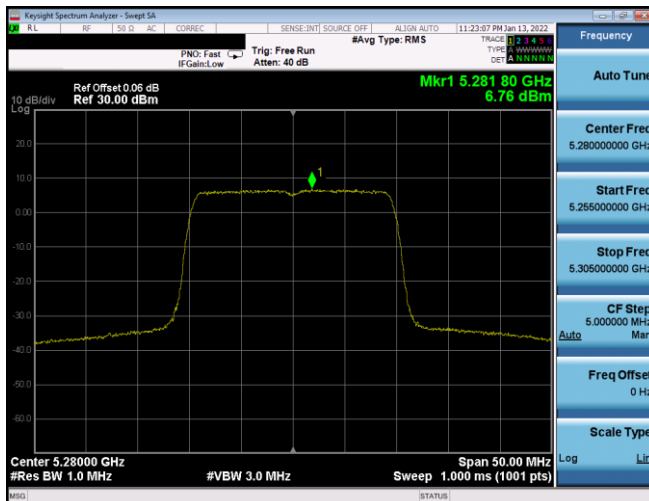
FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 88 of 352



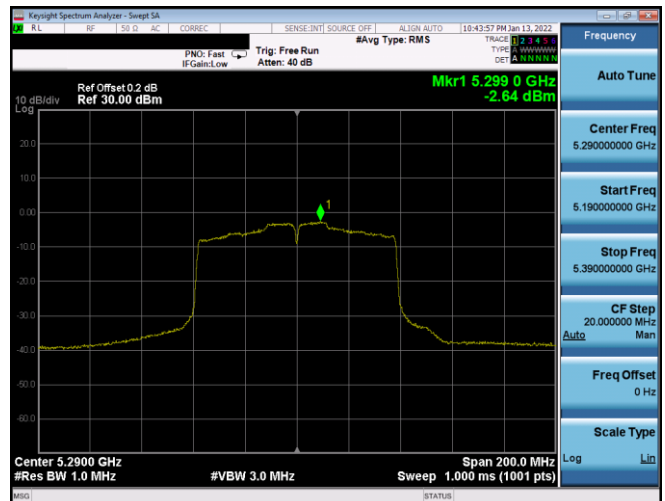
Plot 7-151. PSD Antenna WF8 (20MHz BW 802.11n - Ch. 56, MCS0)



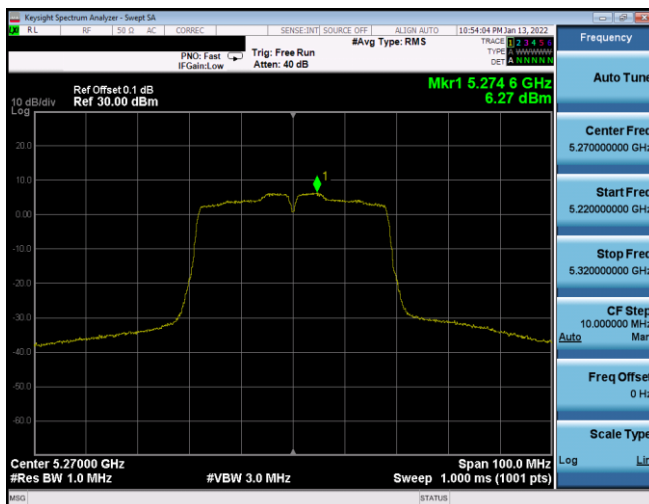
Plot 7-154. PSD Antenna WF8 (40MHz BW 802.11ax(SU) - Ch. 54, MCS0)



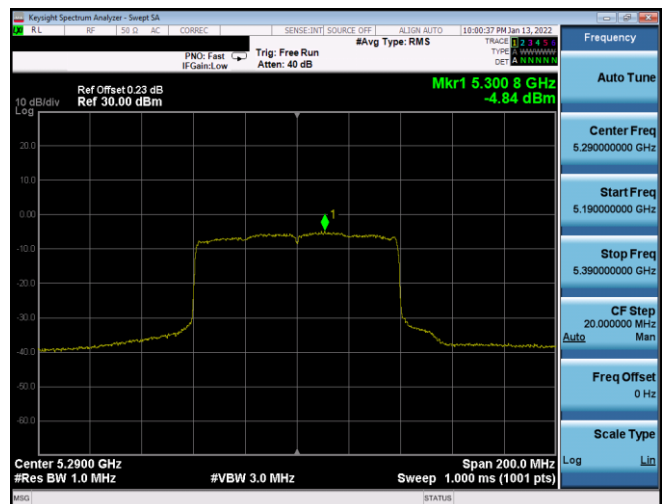
Plot 7-152. PSD Antenna WF8 (20MHz BW 802.11ax(SU) - Ch. 56, MCS0)



Plot 7-155. PSD Antenna WF8 (80MHz BW 802.11ac - Ch. 58, MCS0)



Plot 7-153. PSD Antenna WF8 (40MHz BW 802.11n - Ch. 54, MCS0)



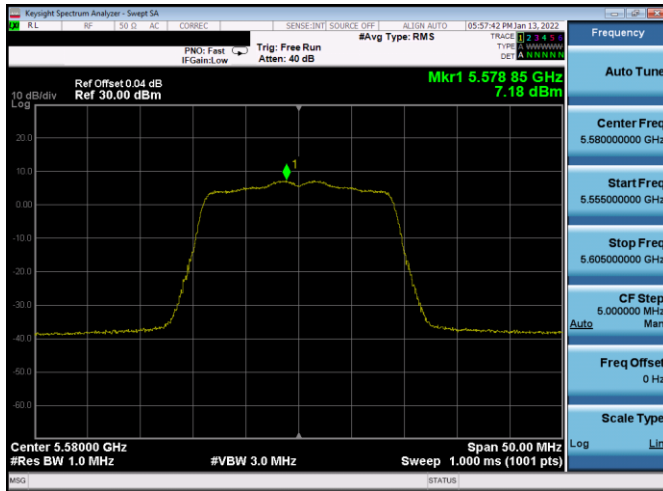
Plot 7-156. PSD Antenna WF8 (80MHz BW 802.11ax(SU) - Ch. 58, MCS0)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG			
Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device		Page 89 of 352

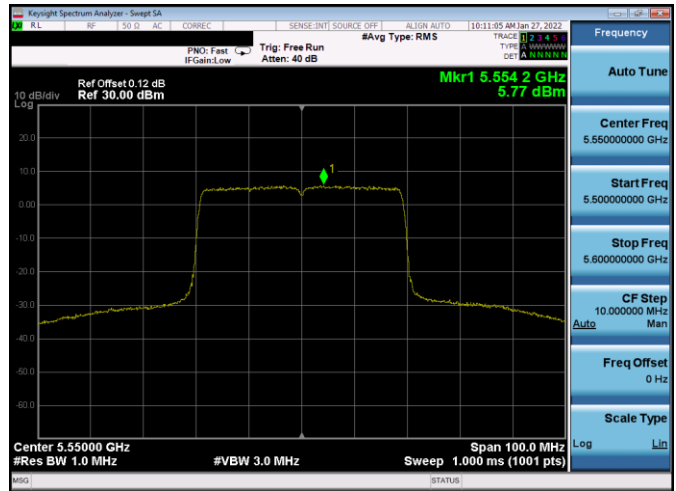
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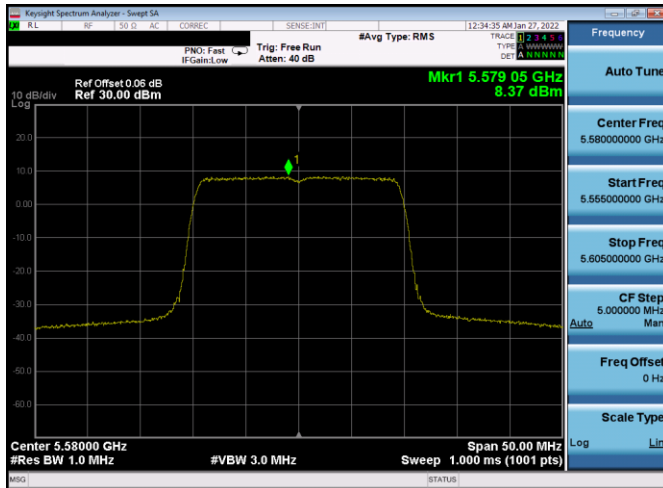
V 10.5 12/15/2021



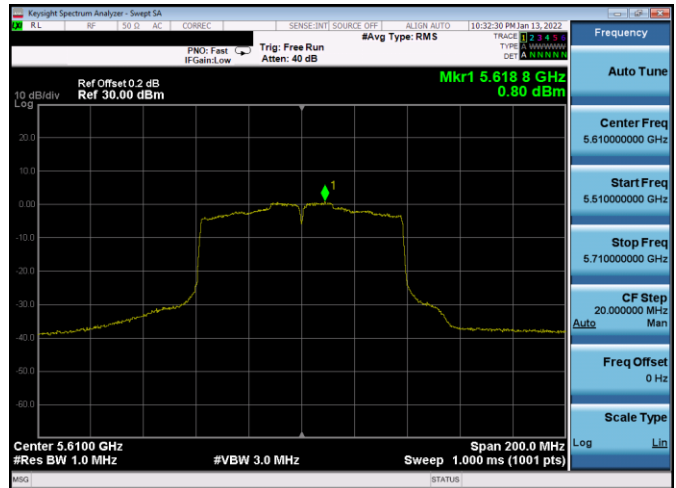
Plot 7-157. PSD Antenna WF8 (20MHz BW 802.11n – Ch. 116, MCS0)



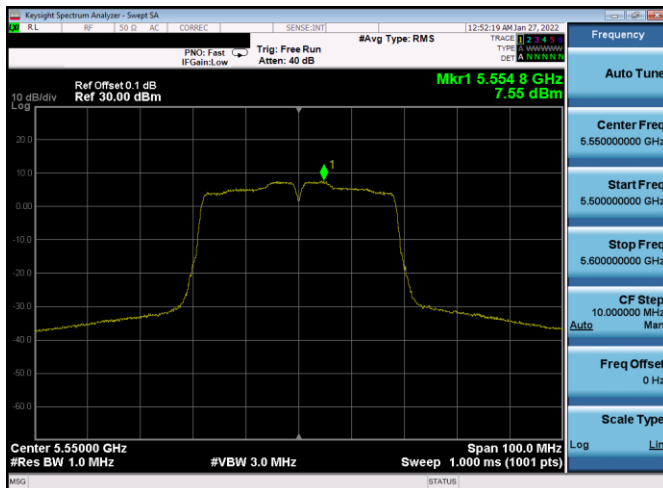
Plot 7-160. PSD Antenna WF8 (40MHz BW 802.11ax(SU) – Ch. 110, MCS0)



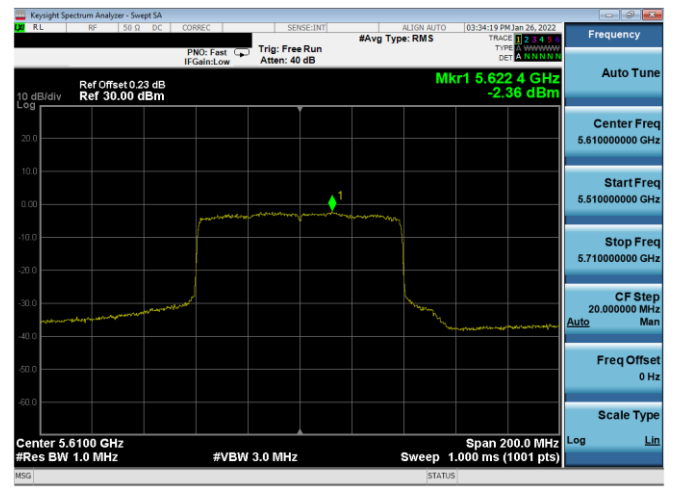
Plot 7-158. PSD Antenna WF8 (20MHz BW 802.11ax(SU) – Ch. 116, MCS0)



Plot 7-161. PSD Antenna WF8 (80MHz BW 802.11ac – Ch. 122, MCS0)



Plot 7-159. PSD Antenna WF8 (40MHz BW 802.11n – Ch. 110, MCS0)



Plot 7-162. PSD Antenna WF8 (80MHz BW 802.11ax(SU) – Ch. 122, MCS0)

FCC ID: BCGA2588 IC: 579C-A2588	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 90 of 352