

Plot 7-145. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ac - Ch. 58, MCS2)



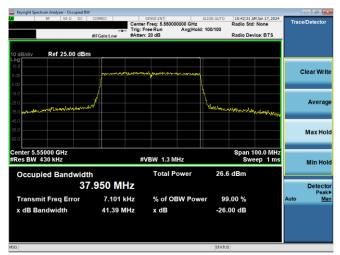
Plot 7-146. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 58, MCS2)



Plot 7-147. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11n - Ch. 116, MCS2)

Plot 7-148. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) - Ch. 116, MCS2)



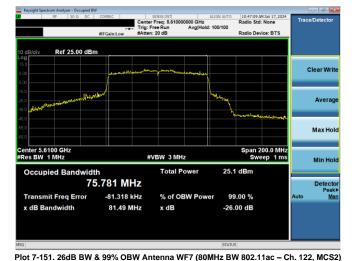


Plot 7-149. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11n - Ch. 110, MCS2)

Plot 7-150. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) – Ch. 110, MCS2)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo EE of EQQ
1C2311270069-11-R2.BCG	11/29/2023-02/03/2024	Tablet Device	Page 55 of 588
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Plot 7-154. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ax - Ch. 114, MCS2)



Plot 7-152. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 122, MCS2)

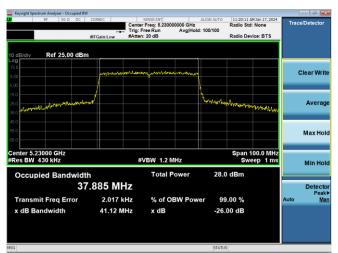


Plot 7-153. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch. 114, MCS2)

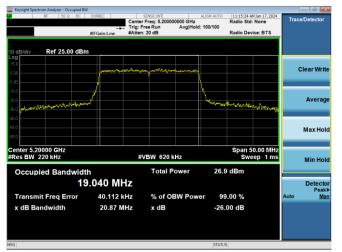
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage FC of F99
1C2311270069-11-R2.BCG	11/29/2023-02/03/2024	Tablet Device	Page 56 of 588
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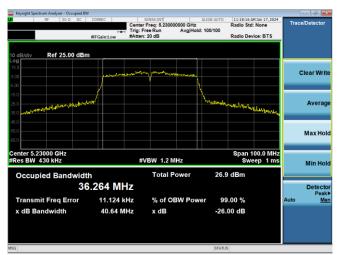




Plot 7-155. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11n - Ch. 40, MCS4)



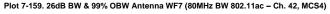
Plot 7-156. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) - Ch. 40, MCS4)



Plot 7-157. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11n - Ch. 46, MCS4)

Plot 7-158. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) - Ch. 46, MCS4)



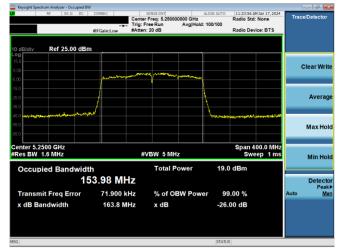




Plot 7-160. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 42, MCS4)

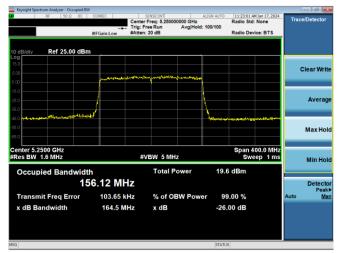
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 57 of 599
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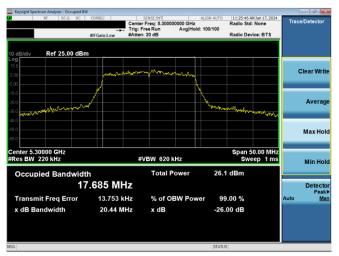




Plot 7-161. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch. 50, MCS4)



Plot 7-162. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch. 50, MCS4)



Plot 7-163. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11n - Ch. 60, MCS4)

Plot 7-164. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) - Ch. 60, MCS4)



Plot 7-165. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11n - Ch. 54, MCS4)



Plot 7-166. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) - Ch. 54, MCS4)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dege 50 of 500
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Plot 7-167. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ac - Ch. 58, MCS4)



Plot 7-168. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 58, MCS4)





Plot 7-170. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) – Ch. 116, MCS4





Plot 7-171. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11n - Ch. 110, MCS4)

Plot 7-172. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) – Ch. 110, MCS4)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage E0 of E00
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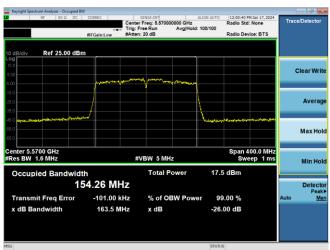




Plot 7-176. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ax - Ch. 114, MCS4)



Plot 7-174. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) – Ch. 122, MCS4)



Plot 7-175. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch. 114, MCS4)

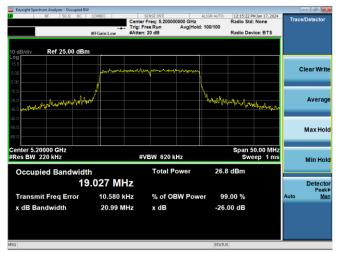
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 60 of 599
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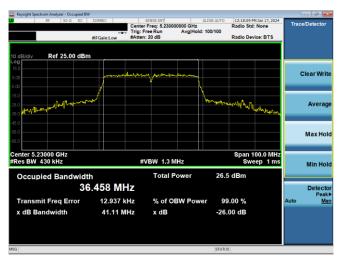




Plot 7-177. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11n - Ch. 40, MCS7)

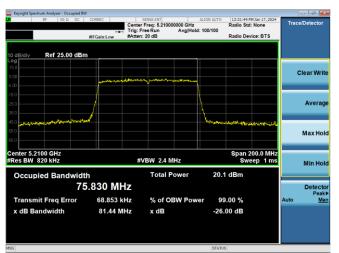


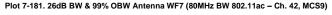
Plot 7-178. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) - Ch. 40, MCS11)





Plot 7-180. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) - Ch. 46, MCS11)



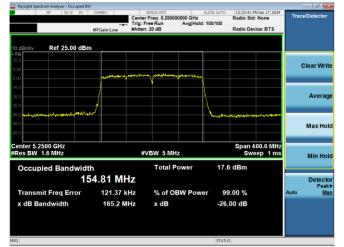


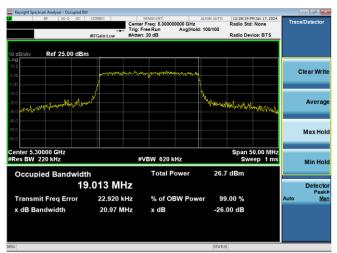


Plot 7-182. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 42, MCS11)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 61 of 599
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Plot 7-183. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch. 50, MCS9)

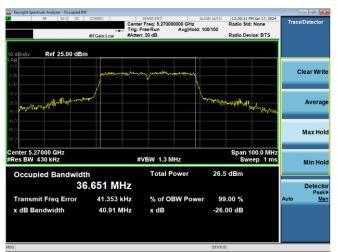


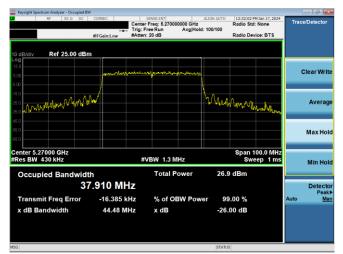
Plot 7-184. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch. 50, MCS11)





Plot 7-186. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) - Ch. 60, MCS11)



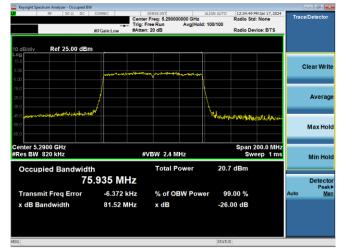


Plot 7-187. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11n - Ch. 54, MCS7)

Plot 7-188. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) – Ch. 54, MCS11)

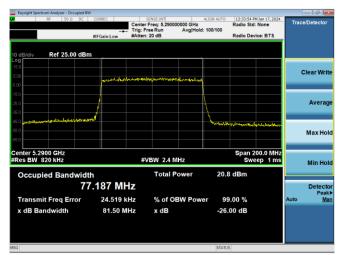
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 62 of 599
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			V 10.5 12/15/2021



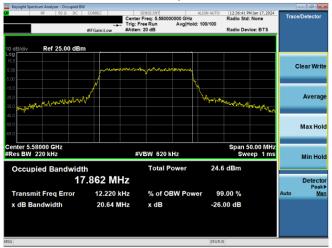




Plot 7-189. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ac - Ch. 58, MCS9)



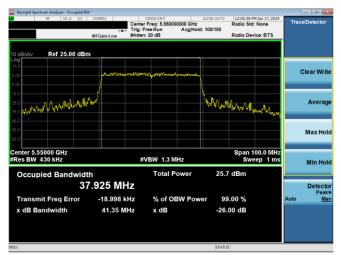
Plot 7-190. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 58, MCS11)





Plot 7-192. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 802.11ax(SU) - Ch. 116, MCS11)





Plot 7-193. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11n - Ch. 110) , MCS7)

Plot 7-194. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 802.11ax(SU) - Ch. 110, MCS11)

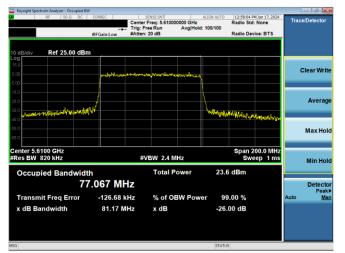
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega C2 of E00
1C2311270069-11-R2.BCG	11/29/2023-02/03/2024	Tablet Device	Page 63 of 588
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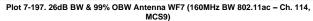




Plot 7-195. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ac - Ch. 122, MCS9)



Plot 7-196. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ax(SU) - Ch. 122, MCS11)





Plot 7-198. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ax(SU) - Ch. 114, MCS11)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 64 of 599
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## 7.3 6dB & 99% Bandwidth Measurement – 802.11a/n/ac/ax(SU) §2.1049; §15.407 (e); RSS-Gen [6.7]

### **Test Overview and Limit**

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal 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. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

## In the 5.725 – 5.850GHz band, the 6dB bandwidth must be $\geq$ 500 kHz.

### Test Procedure Used

ANSI C63.10-2013 – Section 6.9.2 KDB 789033 D02 v02r01 – Section C

## **Test Settings**

- The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
- 2. RBW = 100 kHz
- 3. VBW  $\geq$  3 x RBW
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep = auto couple

### Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

### Test Notes

- 1. All antenna configurations and data rates were investigated and only the worst case are reported.
- 2. The data rates have been classified into three different groups; low data rate, middle 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.
- 3. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel bandwidth plots have been reported.

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage CE of EQ0
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# 7.3.1 Antenna WF5b 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.61	17.58	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.60	16.98	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.25	0.50	Pass
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	18.94	18.95	0.50	Pass
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	18.95	19.03	0.50	Pass
d 3	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.93	18.94	0.50	Pass
Band	5755	151	n (40MHz)	40/40.5 (MCS2)	35.97	35.46	0.50	Pass
_	5795	159	n (40MHz)	40/40.5 (MCS2)	36.09	35.82	0.50	Pass
	5755	151	ax (SU) (40MHz)	49/51.6 (MCS2)	37.80	38.09	0.50	Pass
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	37.83	38.08	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.35	75.84	0.50	Pass
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	77.00	77.84	0.50	Pass

Table 7-11. Conducted Bandwidth Measurements Antenna WF5b (Low Data Rate)

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail	
	5745	149	n (20MHz)	39/43.3 (MCS4)	17.62	17.67	0.50	Pass	
	5785	157	n (20MHz)	39/43.3 (MCS4)	17.62	17.66	0.50	Pass	
	5825	165	n (20MHz)	39/43.3 (MCS4)	17.63	17.61	0.50	Pass	
	5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	19.04	0.50	Pass	
	5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	19.05	0.50	Pass	
d 3	5825	165	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	19.07	0.50	Pass	
Band	5755	151	n (40MHz)	81/90 (MCS4)	36.03	35.61	0.50	Pass	
	5795	159	n (40MHz)	81/90 (MCS4)	36.03	35.87	0.50	Pass	
	5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	37.82	38.15	0.50	Pass	
	5795	159	ax (SU) (40MHz)	98/103.2 (MCS4)	37.81	38.14	0.50	Pass	
	5775	155	ac (80MHz)	175.5/195 (MCS4)	75.39	76.45	0.50	Pass	
	5775	155	ax (SU) (80MHz)	204/216.2 (MCS4)	77.11	77.94	0.50	Pass	
	Table 7.12 Conducted Bandwidth Measurements Antonna WE5b (Mid Data Bate)								

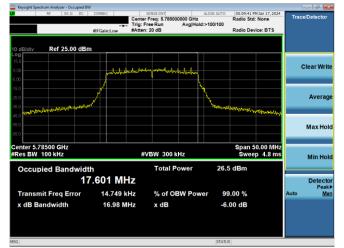
Table 7-12. Conducted Bandwidth Measurements Antenna WF5b (Mid Data Rate)

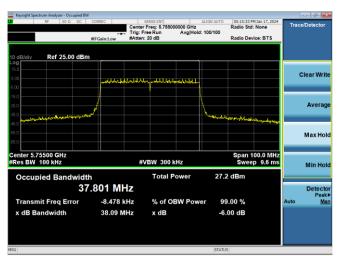
	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
	5745	149	n (20MHz)	65/72.2 (MCS7)	17.68	17.74	0.50	Pass
	5785	157	n (20MHz)	65/72.2 (MCS7)	17.68	17.73	0.50	Pass
	5825	165	n (20MHz)	65/72.2 (MCS7)	17.70	17.76	0.50	Pass
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	18.95	19.03	0.50	Pass
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	18.98	19.05	0.50	Pass
d 3	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	18.96	19.05	0.50	Pass
Band	5755	151	n (40MHz)	135/150 (MCS7)	36.23	36.46	0.50	Pass
	5795	159	n (40MHz)	135/150 (MCS7)	36.24	36.49	0.50	Pass
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	37.79	38.06	0.50	Pass
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	37.82	38.10	0.50	Pass
	5775	155	ac (80MHz)	390/433.3 (MCS9)	75.58	76.50	0.50	Pass
	5775	155	ax (SU) (80MHz)	567/600.5 (MCS11)	76.98	77.90	0.50	Pass

Table 7-13. Conducted Bandwidth Measurements Antenna WF5b (High Data Rate)

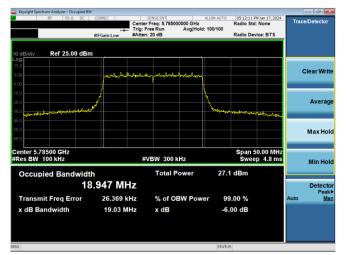
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage CC of 500
1C2311270069-11-R2.BCG	11/29/2023-02/03/2024	Tablet Device	Page 66 of 588
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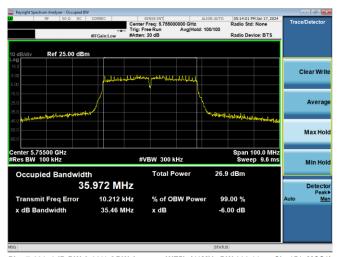




Plot 7-199. 6dB BW & 99% OBW Antenna WF5b (20MHz BW 802.11n - Ch. 157, MCS2)

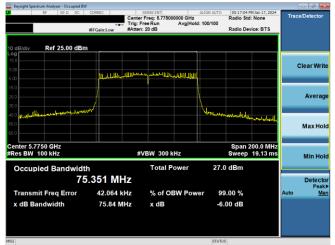


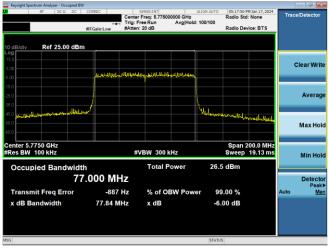
Plot 7-200. 6dB BW & 99% OBW Antenna WF5b (20MHz BW 802.11ax(SU) - Ch. 157, MCS2)



Plot 7-201. 6dB BW & 99% OBW Antenna WF5b (40MHz BW 802.11n - Ch. 151, MCS2)

Plot 7-202. 6dB BW & 99% OBW Antenna WF5b (40MHz BW 802.11ax(SU) - Ch. 151, MCS2)





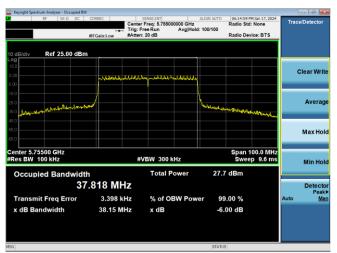
Plot 7-203. 6dB BW & 99% OBW Antenna WF5b (80MHz BW 802.11ac - Ch. 155, MCS2)

Plot 7-204. 6dB BW & 99% OBW Antenna WF5b (80MHz BW 802.11ax(SU) - Ch. 155, MCS2)

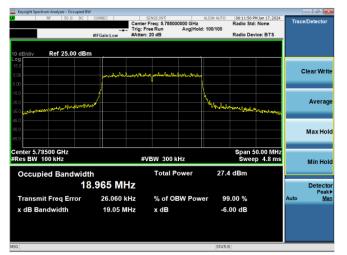
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dege 67 of 500
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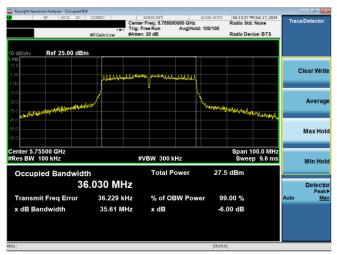




Plot 7-205. 6dB BW & 99% OBW Antenna WF5b (20MHz BW 802.11n - Ch. 157, MCS4)



Plot 7-206. 6dB BW & 99% OBW Antenna WF5b (20MHz BW 802.11ax(SU) - Ch. 157, MCS4)



Plot 7-207. 6dB BW & 99% OBW Antenna WF5b (40MHz BW 802.11n - Ch. 151, MCS4)

Plot 7-208. 6dB BW & 99% OBW Antenna WF5b (40MHz BW 802.11ax(SU) - Ch. 151, MCS4)



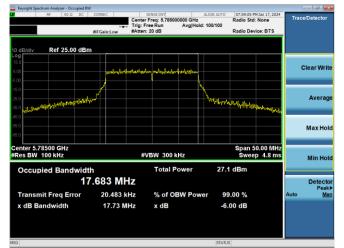


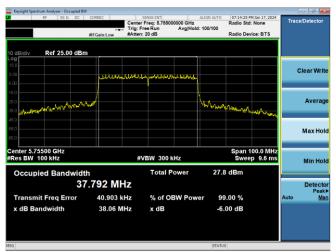
Plot 7-209. 6dB BW & 99% OBW Antenna WF5b (80MHz BW 802.11ac - Ch. 155, MCS4)

Plot 7-210. 6dB BW & 99% OBW Antenna WF5b (80MHz BW 802.11ax(SU) - Ch. 155, MCS4)

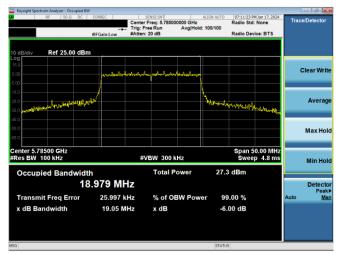
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 60 of 500
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Plot 7-211. 6dB BW & 99% OBW Antenna WF5b (20MHz BW 802.11n - Ch. 157, MCS7)

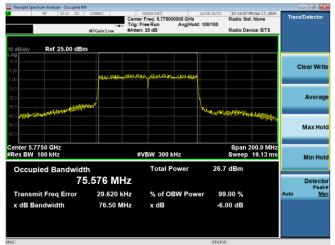


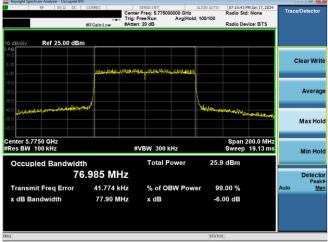
Plot 7-212. 6dB BW & 99% OBW Antenna WF5b (20MHz BW 802.11ax(SU) - Ch. 157, MCS11)



Plot 7-213. 6dB BW & 99% OBW Antenna WF5b (40MHz BW 802.11n - Ch. 151, MCS7)

Plot 7-214. 6dB BW & 99% OBW Antenna WF5b (40MHz BW 802.11ax(SU) - Ch. 151, MCS11)





Plot 7-215. 6dB BW & 99% OBW Antenna WF5b (80MHz BW 802.11ac - Ch. 155, MCS9)

Plot 7-216. 6dB BW & 99% OBW Antenna WF5b (80MHz BW 802.11ax(SU) - Ch. 155, MCS11)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dege CO of EQQ	
1C2311270069-11-R2.BCG	11/29/2023-02/03/2024	Tablet Device	Page 69 of 588	
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Keysight Spectrum Analyzer - O



# 7.3.1 Antenna WF8 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.61	17.27	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.25	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.60	16.59	0.50	Pass
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	18.94	19.00	0.50	Pass
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	18.95	19.02	0.50	Pass
q 3	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.93	19.03	0.50	Pass
Band	5755	151	n (40MHz)	40/40.5 (MCS2)	36.03	35.27	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.02	34.20	0.50	Pass
	5755	151	ax (SU) (40MHz)	49/51.6 (MCS2)	37.81	38.05	0.50	Pass
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	37.78	38.12	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.21	75.38	0.50	Pass
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	76.90	77.32	0.50	Pass

Table 7-14. Conducted Bandwidth Measurements Antenna WF8 (Low Data Rate)

Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
5745	149	n (20MHz)	39/43.3 (MCS4)	17.61	17.64	0.50	Pass
5785	157	n (20MHz)	39/43.3 (MCS4)	17.62	17.66	0.50	Pass
5825	165	n (20MHz)	39/43.3 (MCS4)	17.59	17.63	0.50	Pass
5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	18.94	19.00	0.50	Pass
5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	18.96	19.10	0.50	Pass
5825	165	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	19.13	0.50	Pass
5755	151	n (40MHz)	81/90 (MCS4)	36.07	35.87	0.50	Pass
5795	159	n (40MHz)	81/90 (MCS4)	36.11	36.35	0.50	Pass
5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	37.83	38.15	0.50	Pass
5795	159	ax (SU) (40MHz)	98/103.2 (MCS4)	37.80	38.13	0.50	Pass
5775	155	ac (80MHz)	175.5/195 (MCS4)	75.36	75.99	0.50	Pass
5775	155	ax (SU) (80MHz)	204/216.2 (MCS4)	76.93	77.25	0.50	Pass
	[MH2] 5745 5785 5785 5785 5785 5785 5755 5755	[MHz]         Channel           5745         149           5785         157           5825         165           5745         149           5785         157           5825         165           5785         157           5825         165           5755         151           5795         151           5795         151           5795         151           5795         159           5775         159           5775         159           5775         155           5775         155           5775         155           5775         155	[MHz]         Channel         MODE           5745         149         n (20MHz)           5785         157         n (20MHz)           5785         157         n (20MHz)           5825         165         n (20MHz)           5745         149         ax (SU) (20MHz)           5785         157         ax (SU) (20MHz)           5785         157         ax (SU) (20MHz)           5785         157         ax (SU) (20MHz)           5755         151         n (40MHz)           5795         159         n (40MHz)           5755         151         ax (SU) (40MHz)           5795         159         ax (SU) (40MHz)           5795         159         ax (SU) (40MHz)           5795         159         ax (SU) (40MHz)           5775         155         ac (80MHz)           5775         155         ax (SU) (80MHz)	[MHz]         Channel         MODE         Data Rate [Mbps]           5745         149         n (20MHz)         39/43.3 (MCS4)           5785         157         n (20MHz)         39/43.3 (MCS4)           5785         157         n (20MHz)         39/43.3 (MCS4)           5825         165         n (20MHz)         39/43.3 (MCS4)           5745         149         ax (SU) (20MHz)         39/43.3 (MCS4)           5745         149         ax (SU) (20MHz)         49/51.6 (MCS4)           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)           5825         165         ax (SU) (20MHz)         49/51.6 (MCS4)           5755         151         n (40MHz)         81/90 (MCS4)           5795         159         n (40MHz)         81/90 (MCS4)           5795         151         ax (SU) (40MHz)         98/103.2 (MCS4)           5795         159         ax (SU) (40MHz)         98/103.2 (MCS4)           5795         159         ax (SU) (40MHz)         98/103.2 (MCS4)           5775         155         ac (80MHz)         175.5/195 (MCS4)           5775         155         ax (SU) (80MHz)         204/216.2 (MCS4)	Bit Map         Bit Map         Bit Map         Data Rate [Mbps]         Occupied Bandwidth [MHz]           5745         149         n (20MHz)         39/43.3 (MCS4)         17.61           5785         157         n (20MHz)         39/43.3 (MCS4)         17.61           5825         165         n (20MHz)         39/43.3 (MCS4)         17.62           5825         165         n (20MHz)         39/43.3 (MCS4)         17.59           5745         149         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)         18.96           5825         165         ax (SU) (20MHz)         49/51.6 (MCS4)         18.97           5785         151         n (40MHz)         81/90 (MCS4)         36.07           5795         159         n (40MHz)         81/90 (MCS4)         36.11           5755         151         ax (SU) (40MHz)         98/103.2 (MCS4)         37.83           5795         159         ax (SU) (40MHz)         98/103.2 (MCS4)         37.80           5775         155         ac (80MHz)         175.5/195 (MCS4) <td>Bit Measured 6dB         MODE         Data Rate [Mbps]         Occupied Bandwidth [MHz]         Measured 6dB Bandwidth [MHz]           5745         149         n (20MHz)         39/43.3 (MCS4)         17.61         17.64           5785         157         n (20MHz)         39/43.3 (MCS4)         17.62         17.66           5825         165         n (20MHz)         39/43.3 (MCS4)         17.59         17.63           5745         149         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94         19.00           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94         19.10           5825         165         ax (SU) (20MHz)         49/51.6 (MCS4)         18.97         19.13           5785         157         ax (SU) (20MHz)         81/90 (MCS4)         36.07         35.87           5795         151         n (40MHz)         81/90 (MCS4)         36.11         36.35           5755         151         ax (SU) (40MHz)         98/103.2 (MCS4)         37.80         38.15           5795         159         ax (SU) (40MHz)         98/103.2 (MCS4)         37.80         38.13           5775         155         ac (80MHz)         175.5/195 (MCS4)         37.80</td> <td>Frequency [MHz]         Channel         802.11 MODE         Data Rate [Mbps]         Occupied Bandwidth [MHz]         Measured 6dB Bandwidth [MHz]         Bandwidth [MHz]           5745         149         n (20MHz)         39/43.3 (MCS4)         17.61         17.64         0.50           5785         157         n (20MHz)         39/43.3 (MCS4)         17.62         17.66         0.50           5825         165         n (20MHz)         39/43.3 (MCS4)         17.69         17.63         0.50           5785         149         ax (SU) (20MHz)         39/43.3 (MCS4)         17.59         17.63         0.50           5785         165         n (20MHz)         39/43.3 (MCS4)         17.59         17.63         0.50           5785         165         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94         19.00         0.50           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)         18.97         19.13         0.50           5825         165         ax (SU) (20MHz)         81/90 (MCS4)         36.07         35.87         0.50           5755         151         n (40MHz)         81/90 (MCS4)         36.11         36.35         0.50           5755         151         <t< td=""></t<></td>	Bit Measured 6dB         MODE         Data Rate [Mbps]         Occupied Bandwidth [MHz]         Measured 6dB Bandwidth [MHz]           5745         149         n (20MHz)         39/43.3 (MCS4)         17.61         17.64           5785         157         n (20MHz)         39/43.3 (MCS4)         17.62         17.66           5825         165         n (20MHz)         39/43.3 (MCS4)         17.59         17.63           5745         149         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94         19.00           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94         19.10           5825         165         ax (SU) (20MHz)         49/51.6 (MCS4)         18.97         19.13           5785         157         ax (SU) (20MHz)         81/90 (MCS4)         36.07         35.87           5795         151         n (40MHz)         81/90 (MCS4)         36.11         36.35           5755         151         ax (SU) (40MHz)         98/103.2 (MCS4)         37.80         38.15           5795         159         ax (SU) (40MHz)         98/103.2 (MCS4)         37.80         38.13           5775         155         ac (80MHz)         175.5/195 (MCS4)         37.80	Frequency [MHz]         Channel         802.11 MODE         Data Rate [Mbps]         Occupied Bandwidth [MHz]         Measured 6dB Bandwidth [MHz]         Bandwidth [MHz]           5745         149         n (20MHz)         39/43.3 (MCS4)         17.61         17.64         0.50           5785         157         n (20MHz)         39/43.3 (MCS4)         17.62         17.66         0.50           5825         165         n (20MHz)         39/43.3 (MCS4)         17.69         17.63         0.50           5785         149         ax (SU) (20MHz)         39/43.3 (MCS4)         17.59         17.63         0.50           5785         165         n (20MHz)         39/43.3 (MCS4)         17.59         17.63         0.50           5785         165         ax (SU) (20MHz)         49/51.6 (MCS4)         18.94         19.00         0.50           5785         157         ax (SU) (20MHz)         49/51.6 (MCS4)         18.97         19.13         0.50           5825         165         ax (SU) (20MHz)         81/90 (MCS4)         36.07         35.87         0.50           5755         151         n (40MHz)         81/90 (MCS4)         36.11         36.35         0.50           5755         151 <t< td=""></t<>

Table 7-15. Conducted Bandwidth Measurements Antenna WF8 (Mid Data Rate)

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
	5745	149	n (20MHz)	65/72.2 (MCS7)	17.70	17.77	0.50	Pass
	5785	157	n (20MHz)	65/72.2 (MCS7)	17.68	17.73	0.50	Pass
	5825	165	n (20MHz)	65/72.2 (MCS7)	17.71	17.79	0.50	Pass
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	18.95	19.06	0.50	Pass
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	18.96	19.08	0.50	Pass
d 3	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	18.98	19.10	0.50	Pass
Band	5755	151	n (40MHz)	135/150 (MCS7)	36.26	36.52	0.50	Pass
	5795	159	n (40MHz)	135/150 (MCS7)	36.24	36.52	0.50	Pass
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	37.79	38.08	0.50	Pass
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	37.76	38.12	0.50	Pass
	5775	155	ac (80MHz)	390/433.3 (MCS9)	75.61	76.23	0.50	Pass
	5775	155	ax (SU) (80MHz)	567/600.5 (MCS11)	76.96	77.65	0.50	Pass

Table 7-16. Conducted Bandwidth Measurements Antenna WF8 (High Data Rate)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 70 of 500
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