

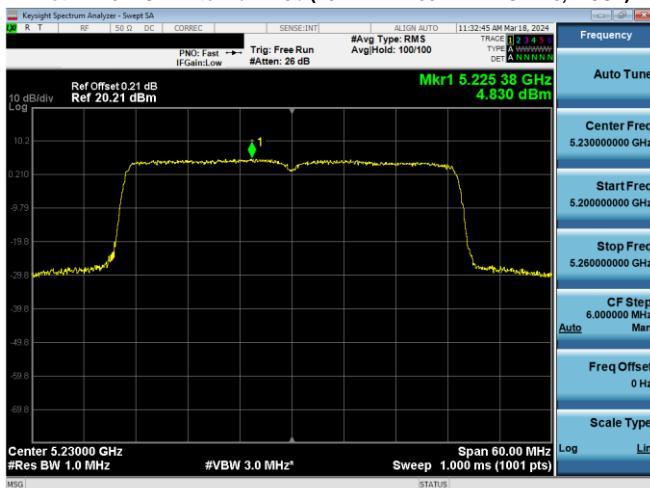
FCC ID: BCGA2837 IC: 579C-A2837	<b>element</b> MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 148 of 577



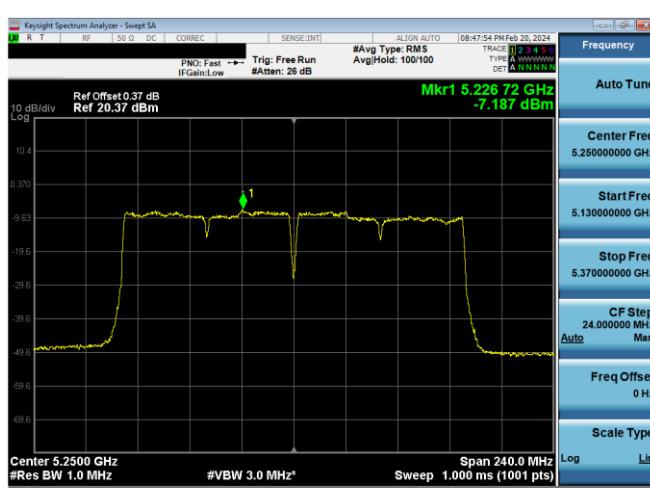
Plot 7-276. PSD Antenna WF5b (40MHz BW 802.11n – Ch. 46, MCS4)



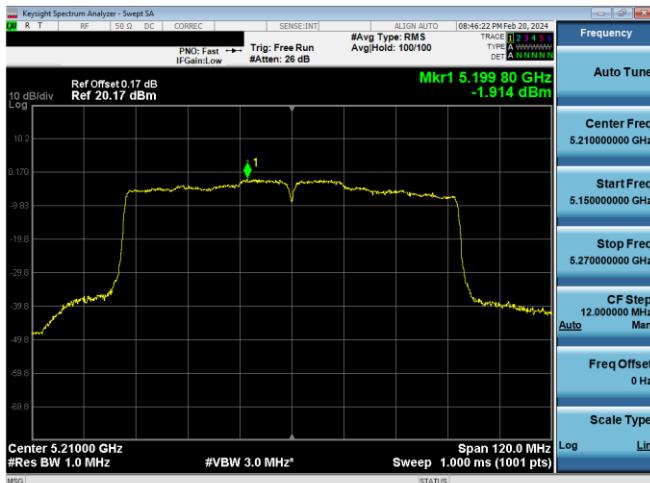
Plot 7-279. PSD Antenna WF5b (80MHz BW 802.11ax(SU) – Ch. 42, MCS4)



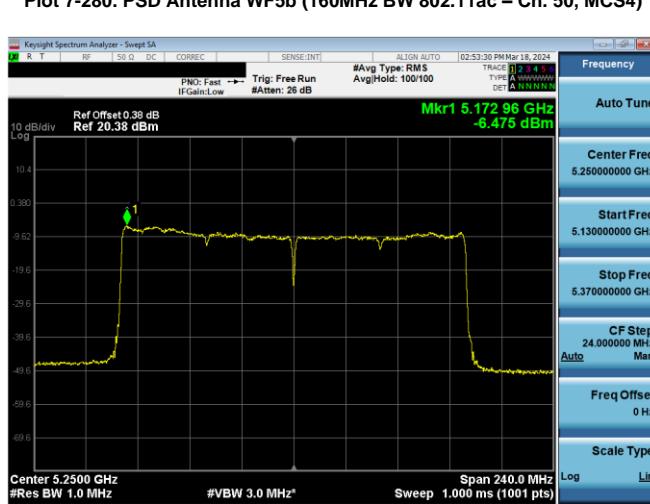
Plot 7-277. PSD Antenna WF5b (40MHz BW 802.11ax(SU) – Ch. 46, MCS4)



Plot 7-280. PSD Antenna WF5b (160MHz BW 802.11ac – Ch. 50, MCS4)

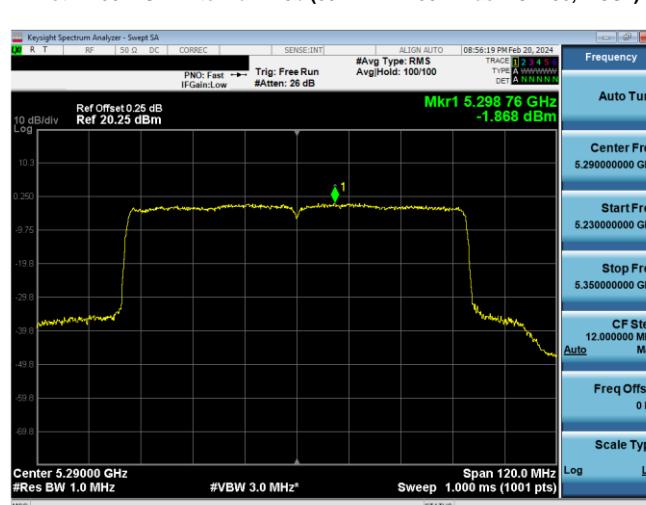
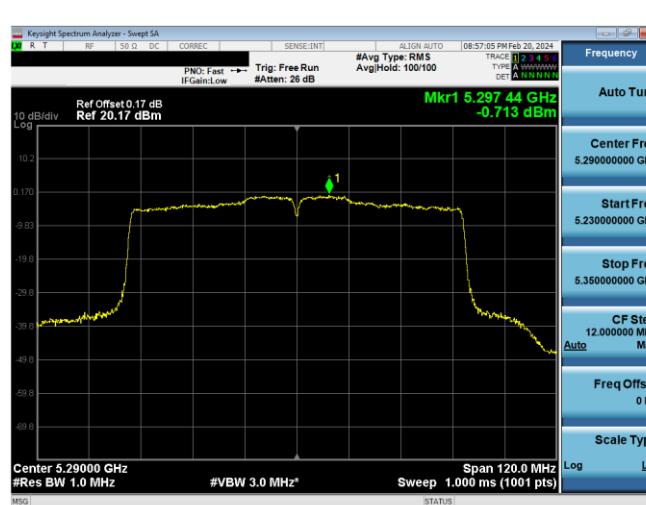
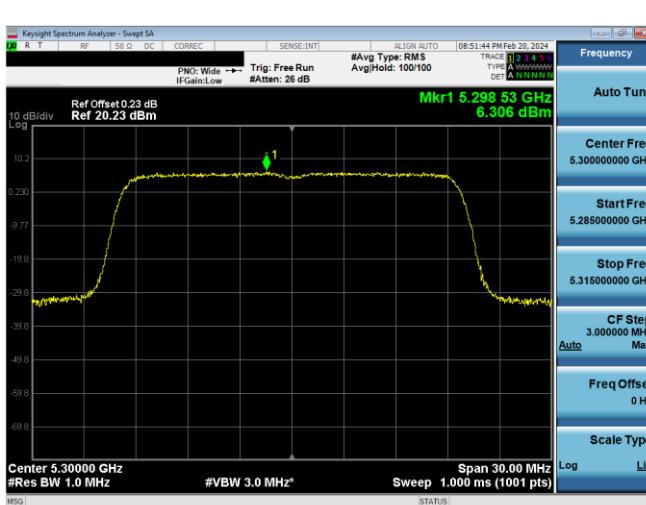
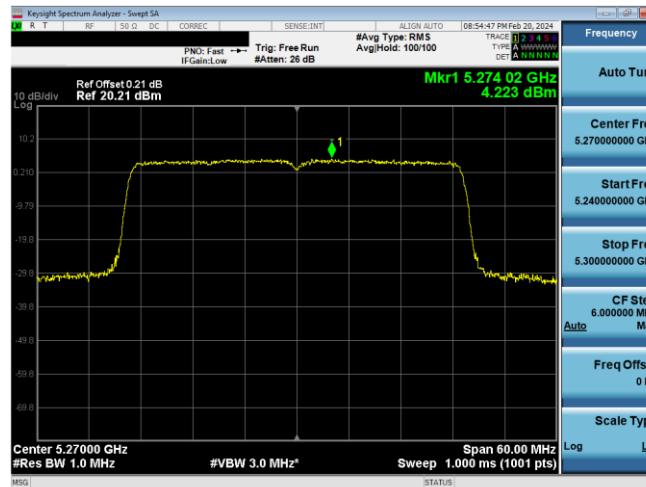


Plot 7-278. PSD Antenna WF5b (80MHz BW 802.11ac – Ch. 42, MCS4)

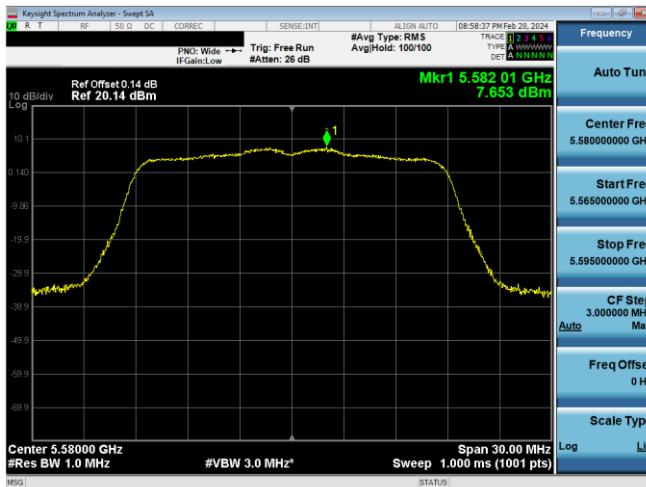


Plot 7-281. PSD Antenna WF5b (160MHz BW 802.11ax(SU) – Ch. 50, MCS4)

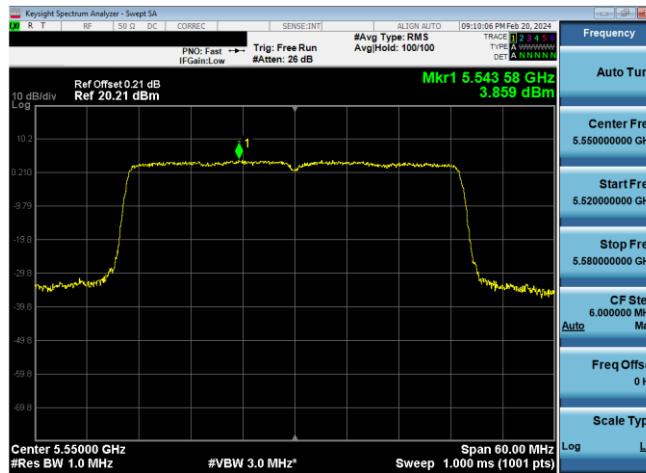
FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 149 of 577



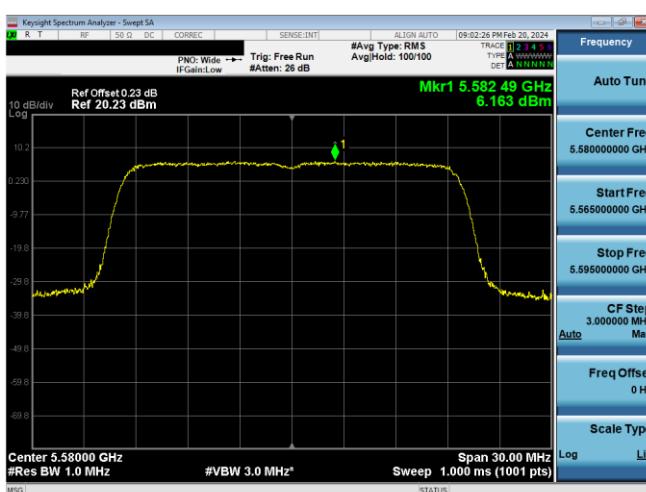
FCC ID: BCGA2837 IC: 579C-A2837	<b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 150 of 577



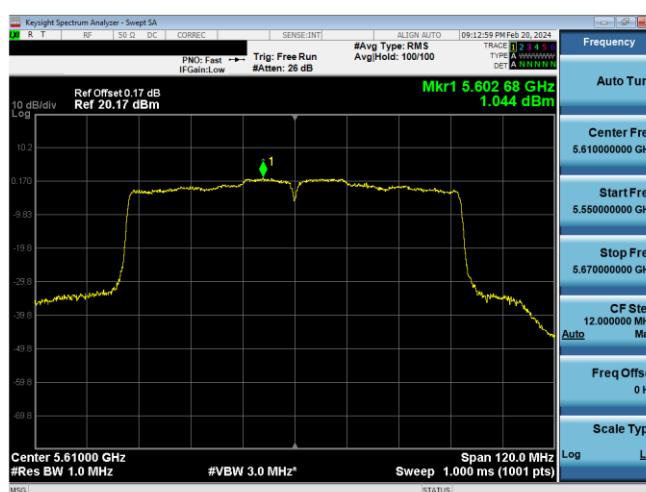
Plot 7-288. PSD Antenna WF5b (20MHz BW 802.11n – Ch. 116, MCS4)



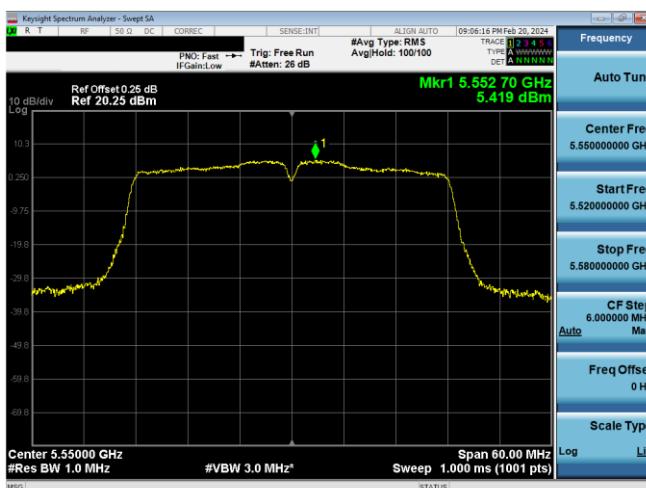
Plot 7-291. PSD Antenna WF5b (40MHz BW 802.11ax(SU) – Ch. 110, MCS4)



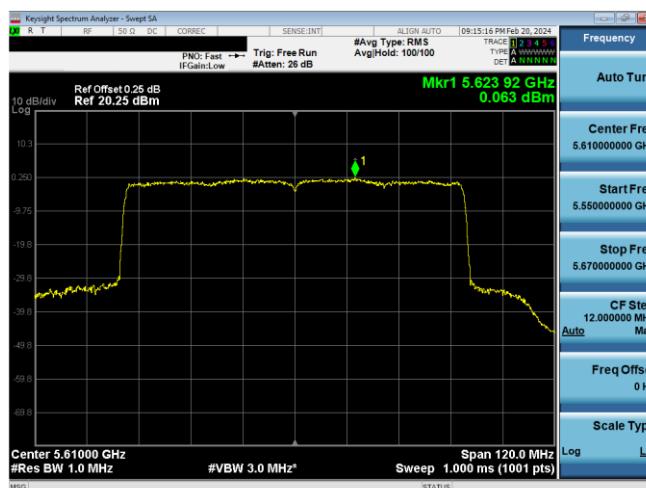
Plot 7-289. PSD Antenna WF5b (20MHz BW 802.11ax(SU) – Ch. 116, MCS4)



Plot 7-292. PSD Antenna WF5b (80MHz BW 802.11ac – Ch. 122, MCS4)

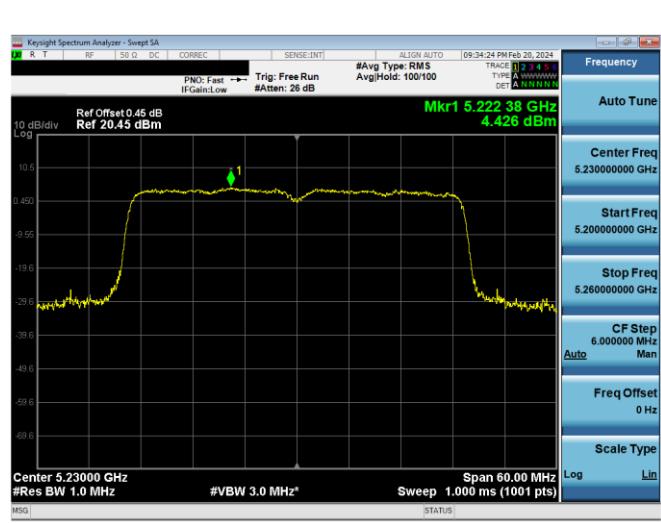
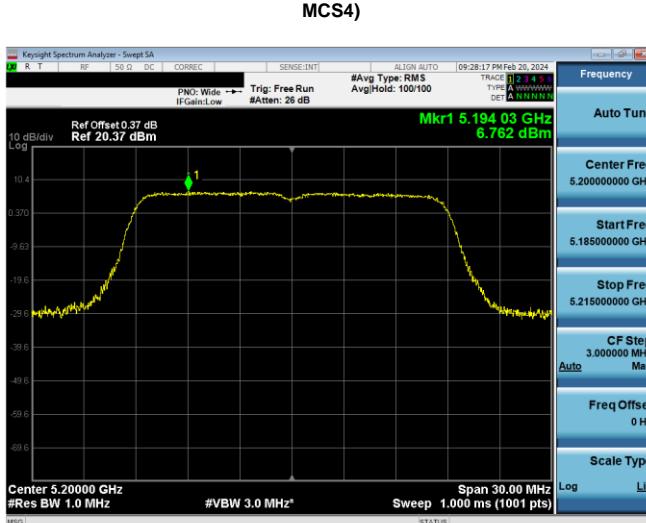
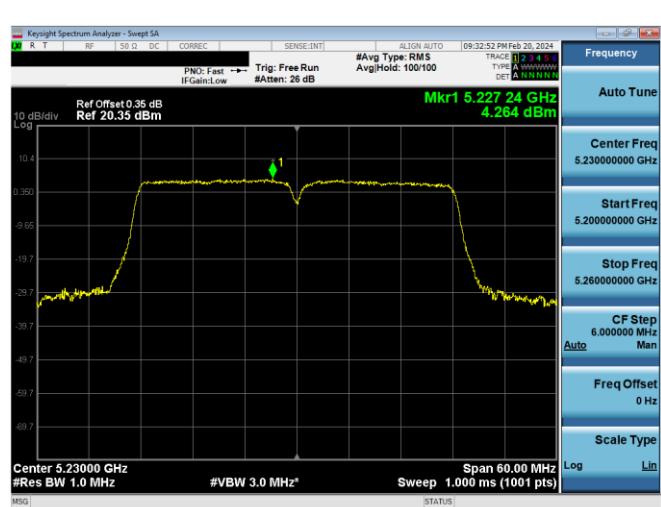
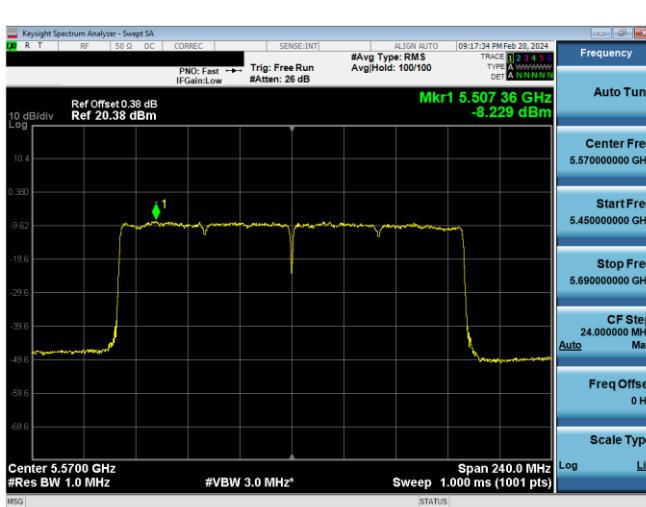
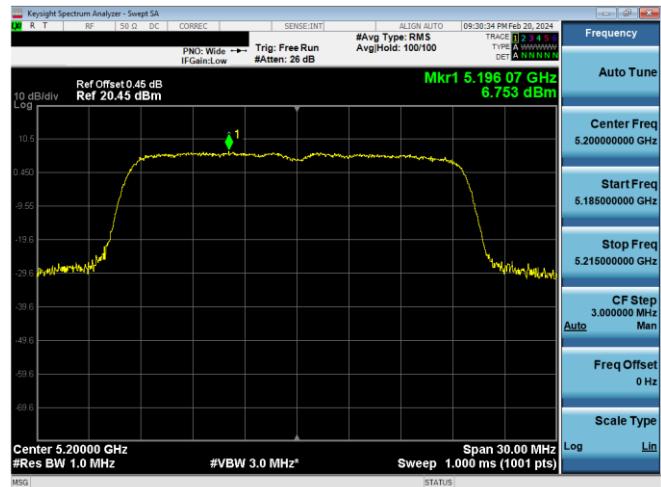


Plot 7-290. PSD Antenna WF5b (40MHz BW 802.11n – Ch. 110, MCS4)



Plot 7-293. PSD Antenna WF5b (80MHz BW 802.11ax(SU) – Ch. 122, MCS4)

FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 151 of 577



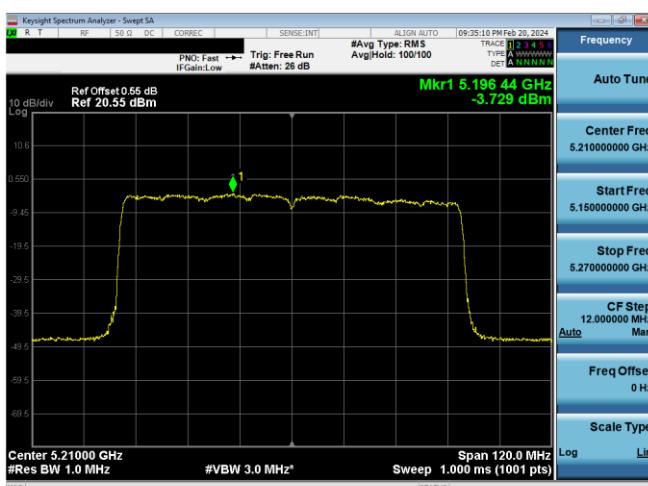
FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 152 of 577 V 10.5 12/15/2021



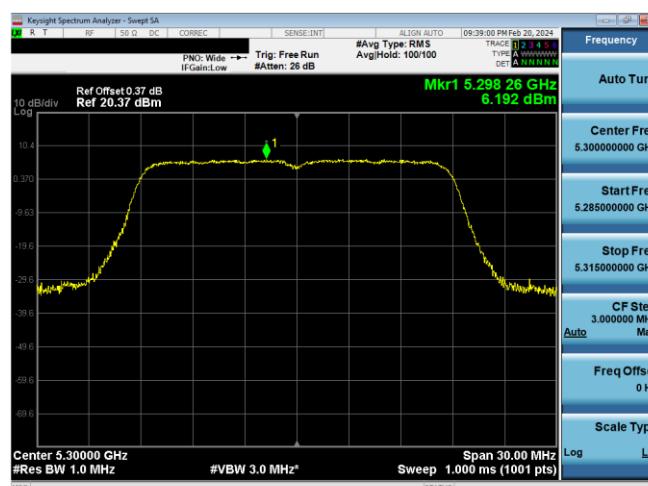
Plot 7-300. PSD Antenna WF5b (80MHz BW 802.11ac – Ch. 42, MCS9)



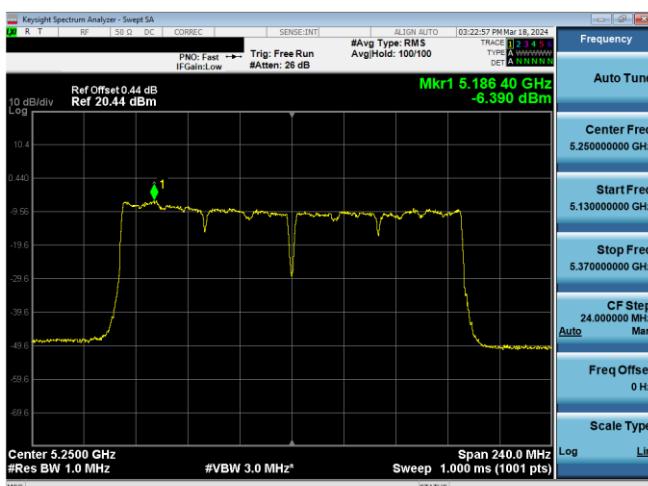
Plot 7-303. PSD Antenna WF5b (160MHz BW 802.11ax(SU) – Ch. 50, MCS11)



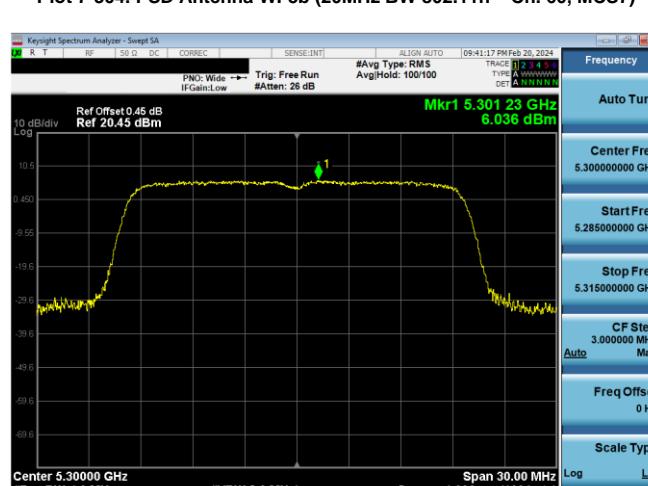
Plot 7-301. PSD Antenna WF5b (80MHz BW 802.11ax(SU) – Ch. 42, MCS11)



Plot 7-304. PSD Antenna WF5b (20MHz BW 802.11n – Ch. 60, MCS7)

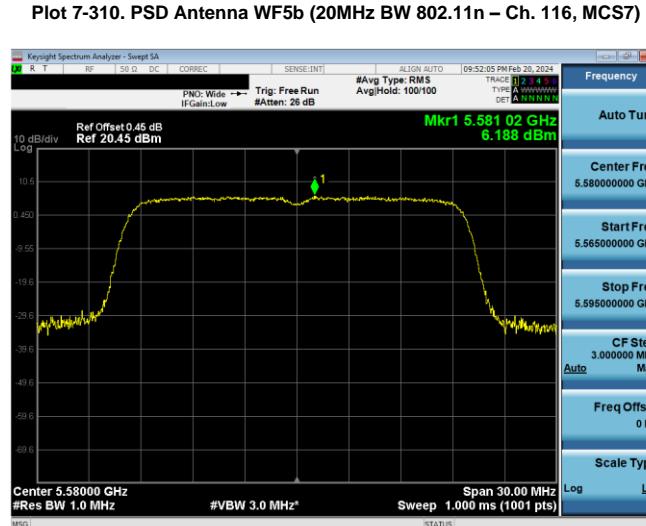
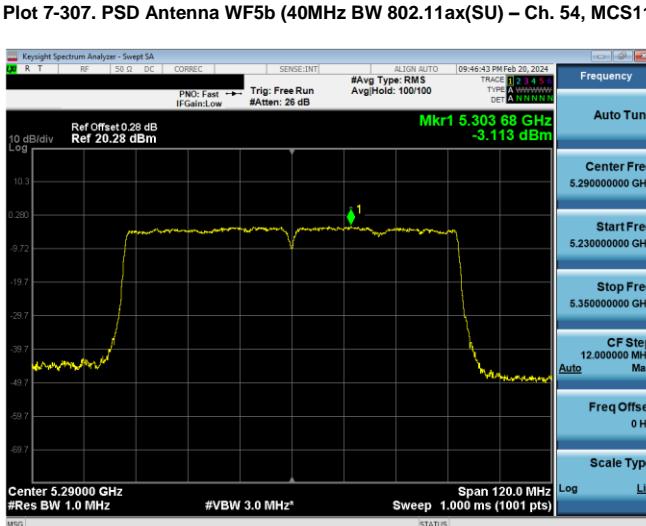
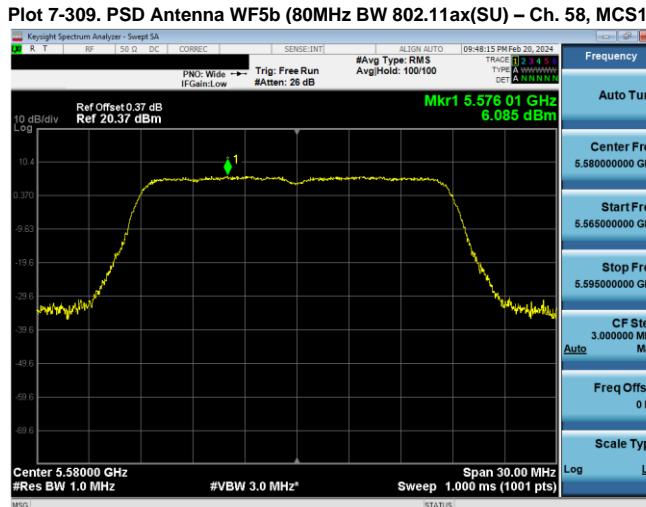
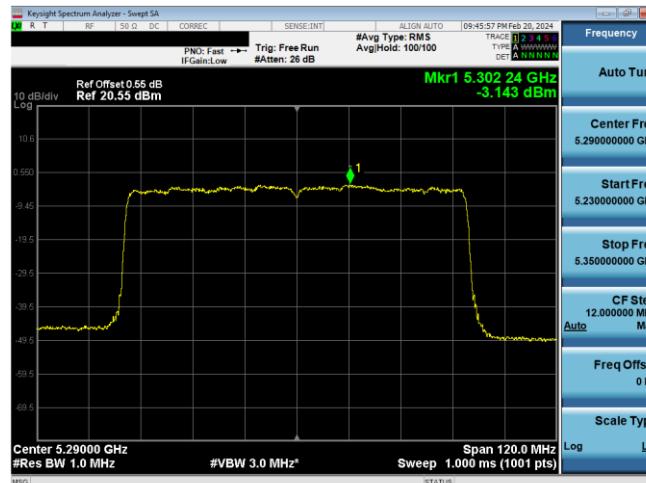
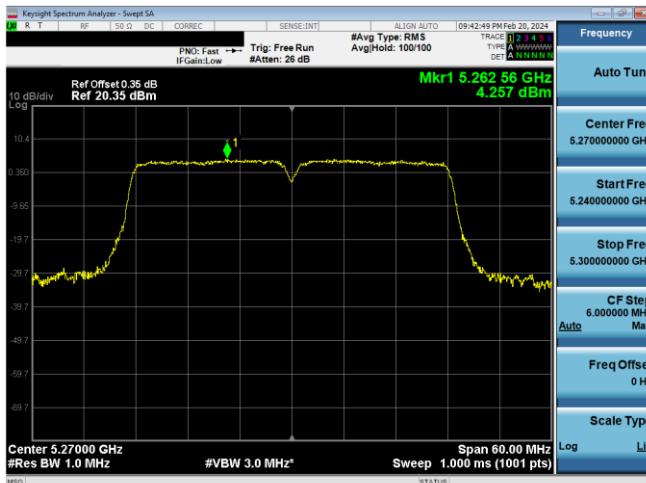


Plot 7-302. PSD Antenna WF5b (160MHz BW 802.11ac – Ch. 50, MCS9)

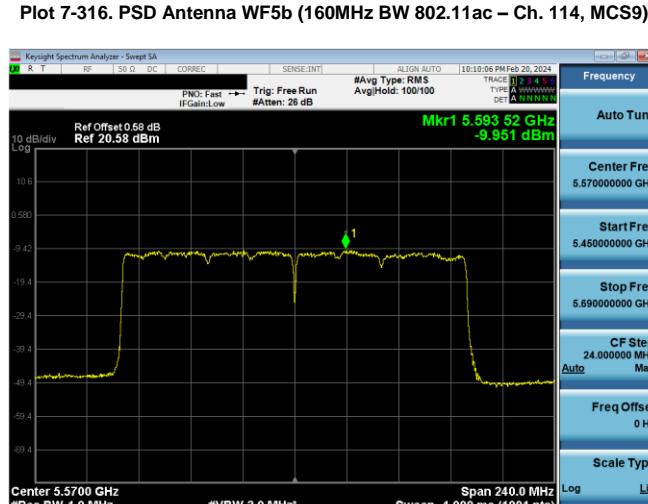
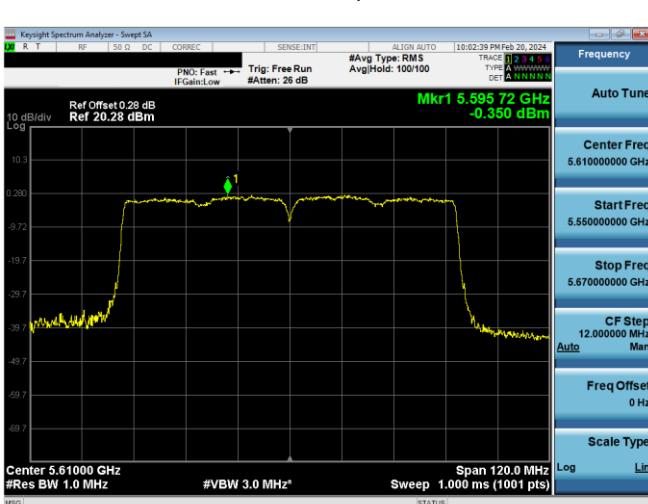
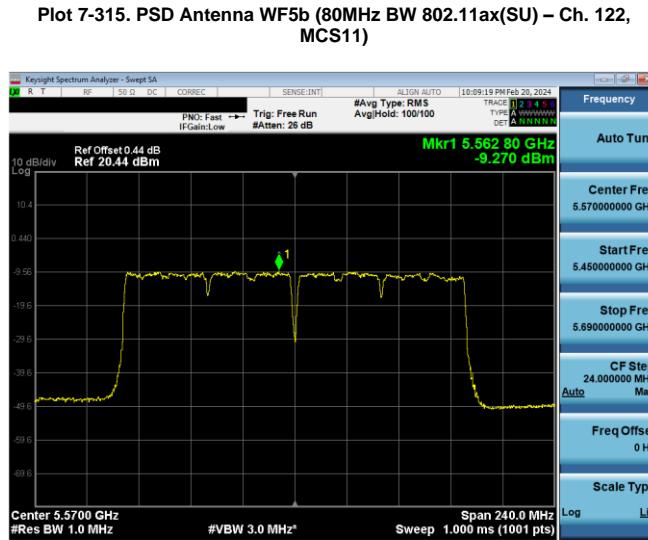
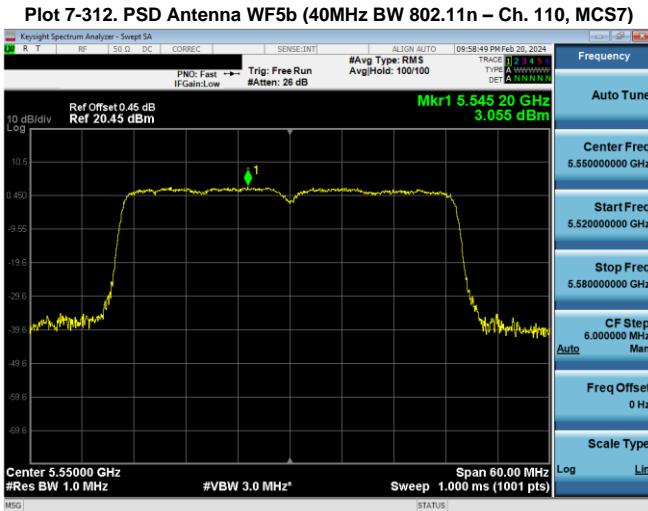
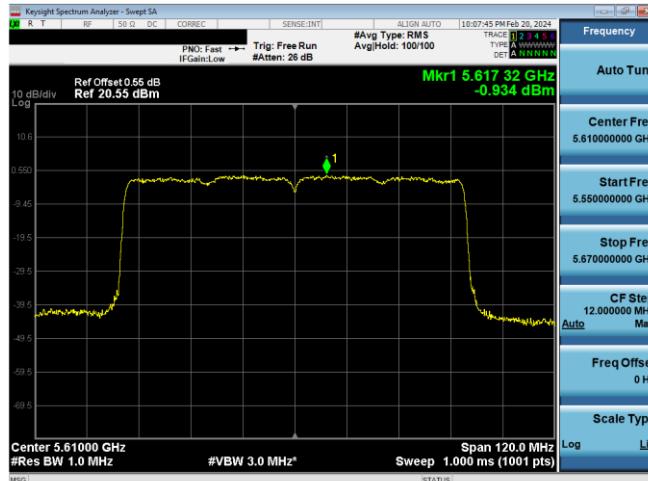
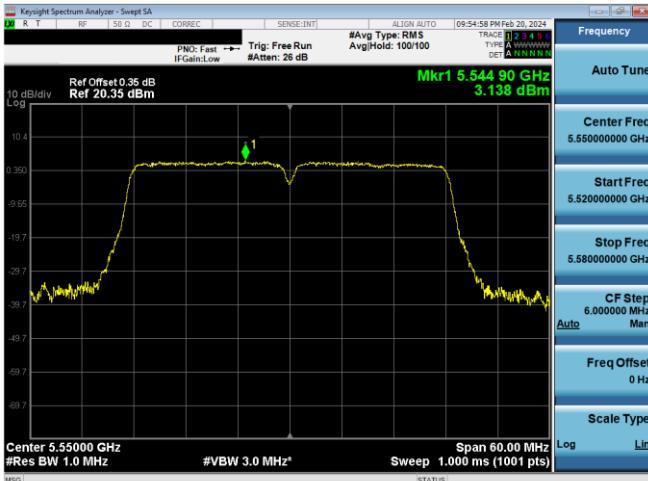


Plot 7-305. PSD Antenna WF5b (20MHz BW 802.11ax(SU) – Ch. 60, MCS11)

FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 153 of 577



FCC ID: BCGA2837 IC: 579C-A2837	<b>element</b> MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 154 of 577



FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 155 of 577

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	4.66	30.0	-25.34
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	4.34	30.0	-25.66
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	4.36	30.0	-25.64
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	3.38	30.0	-26.62
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	3.03	30.0	-26.97
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	2.95	30.0	-27.05
	5755	151	n (40MHz)	40/40.5 (MCS2)	2.57	30.0	-27.43
	5795	159	n (40MHz)	40/40.5 (MCS2)	2.06	30.0	-27.95
	5755	151	ax (SU) (40MHz)	49/51.6 (MCS2)	1.64	30.0	-28.36
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	0.65	30.0	-29.35
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	-0.86	30.0	-30.86
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-1.83	30.0	-31.83

Table 7-203. Band 3 Power Spectral Density Measurements Antenna WF5b (Low Data Rate)

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	39/43.3 (MCS4)	5.08	30.0	-24.93
	5785	157	n (20MHz)	39/43.3 (MCS4)	4.43	30.0	-25.57
	5825	165	n (20MHz)	39/43.3 (MCS4)	4.42	30.0	-25.58
	5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	3.62	30.0	-26.38
	5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	3.26	30.0	-26.74
	5825	165	ax (SU) (20MHz)	49/51.6 (MCS4)	3.18	30.0	-26.82
	5755	151	n (40MHz)	81/90 (MCS4)	2.98	30.0	-27.02
	5795	159	n (40MHz)	81/90 (MCS4)	2.25	30.0	-27.75
	5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	1.47	30.0	-28.53
	5795	159	ax (SU) (40MHz)	98/103.2 (MCS4)	0.99	30.0	-29.01
	5775	155	ac (80MHz)	175.5/195 (MCS4)	-0.81	30.0	-30.81
	5775	155	ax (SU) (80MHz)	204/216.2 (MCS4)	-2.29	30.0	-32.29

Table 7-204. Band 3 Power Spectral Density Measurements Antenna WF5b (Mid Data Rate)

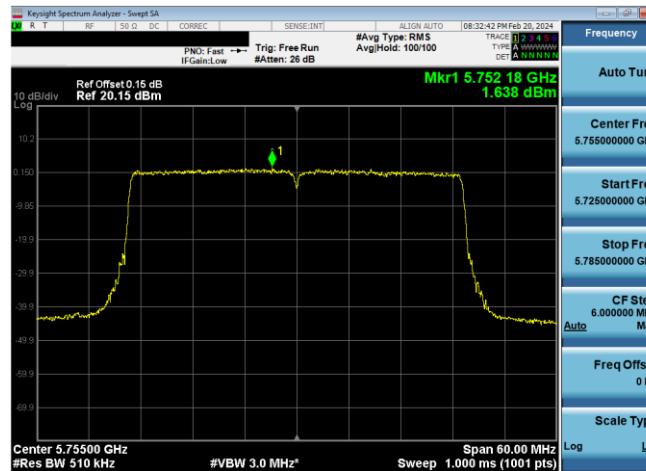
	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	65/72.2 (MCS7)	4.31	30.0	-25.69
	5785	157	n (20MHz)	65/72.2 (MCS7)	3.38	30.0	-26.62
	5825	165	n (20MHz)	65/72.2 (MCS7)	3.64	30.0	-26.36
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	4.05	30.0	-25.95
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	2.83	30.0	-27.17
	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	3.36	30.0	-26.64
	5755	151	n (40MHz)	135/150 (MCS7)	1.29	30.0	-28.71
	5795	159	n (40MHz)	135/150 (MCS7)	1.33	30.0	-28.67
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	0.54	30.0	-29.46
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	1.76	30.0	-28.24
	5775	155	ac (80MHz)	390/433.3 (MCS9)	-2.61	30.0	-32.61
	5775	155	ax (SU) (80MHz)	567/600.5 (MCS11)	-2.55	30.0	-32.55

Table 7-205. Band 3 Power Spectral Density Measurements Antenna WF5b (High Data Rate)

FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 156 of 577 V 10.5 12/15/2021



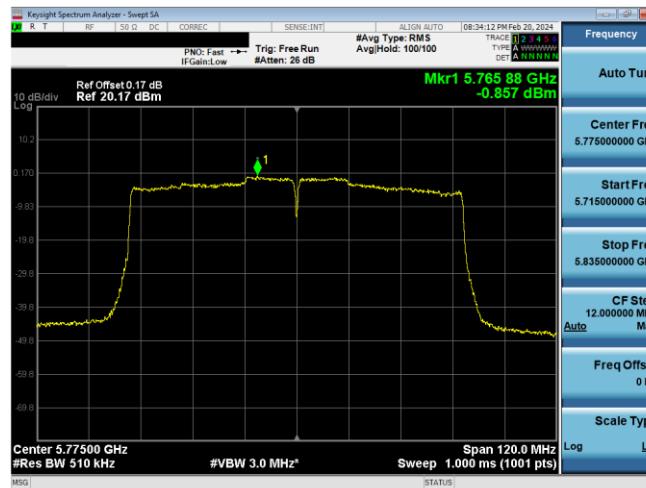
Plot 7-318. PSD Antenna WF5b (20MHz BW 802.11n – Ch. 157, MCS2)



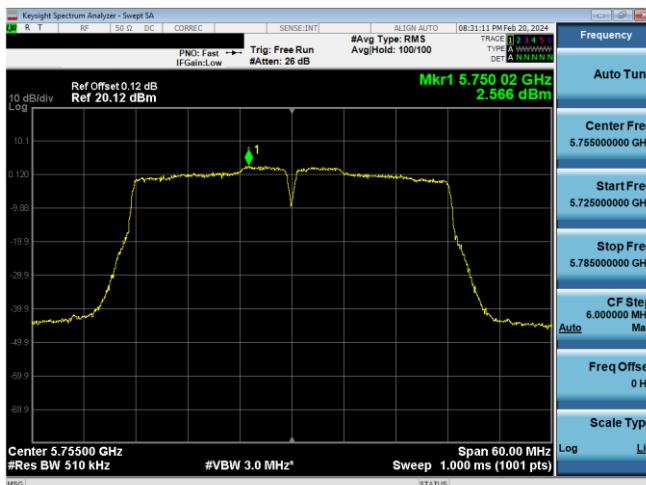
Plot 7-321. PSD Antenna WF5b (40MHz BW 802.11ax(SU) – Ch. 151, MCS2)



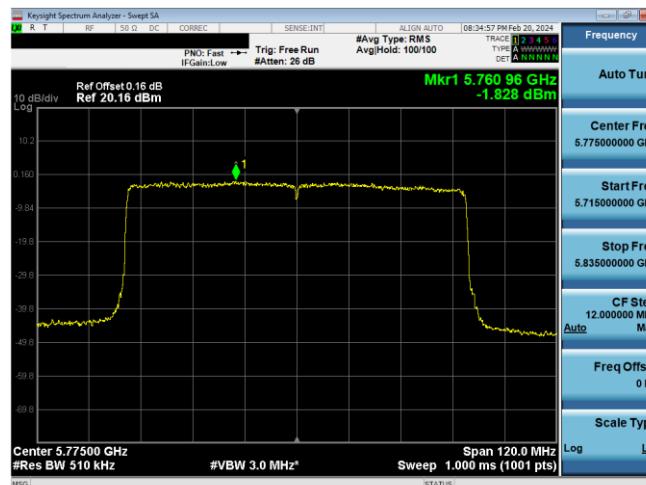
Plot 7-319. PSD Antenna WF5b (20MHz BW 802.11ax(SU) – Ch. 157, MCS2)



Plot 7-322. PSD Antenna WF5b (80MHz BW 802.11ac – Ch. 155, MCS2)

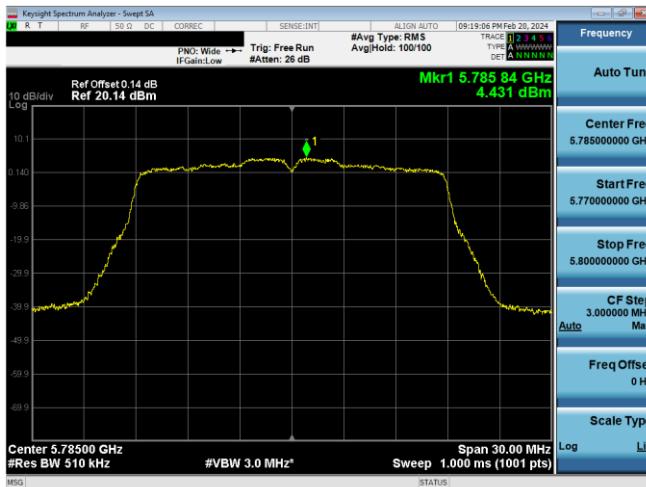


Plot 7-320. PSD Antenna WF5b (40MHz BW 802.11n – Ch. 151, MCS2)

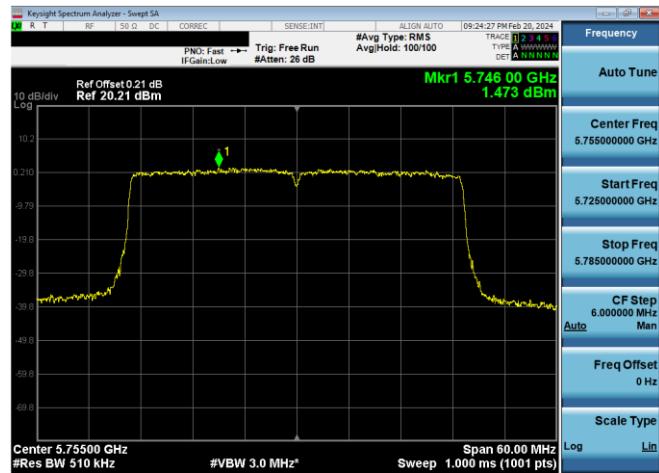


Plot 7-323. PSD Antenna WF5b (80MHz BW 802.11ax(SU) – Ch. 155, MCS2)

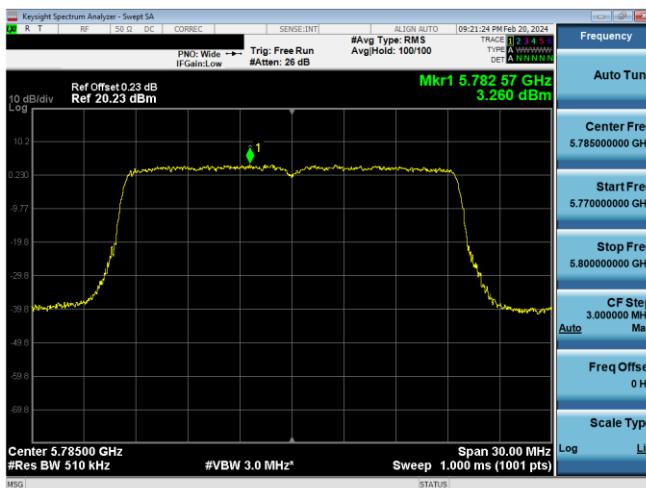
FCC ID: BCGA2837 IC: 579C-A2837	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 157 of 577



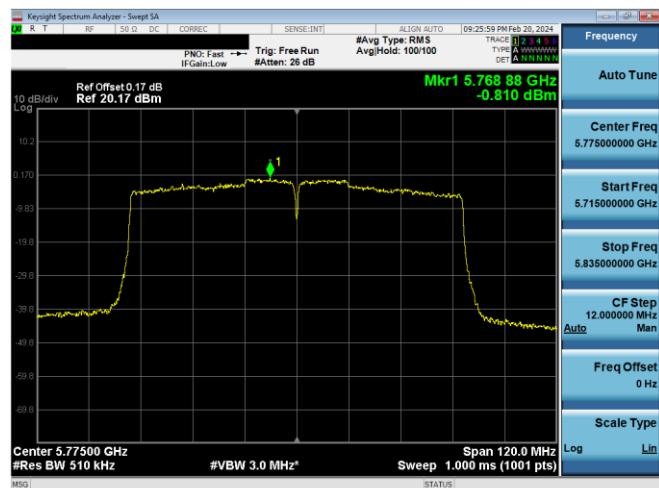
Plot 7-324. PSD Antenna WF5b (20MHz BW 802.11n – Ch. 157, MCS4)



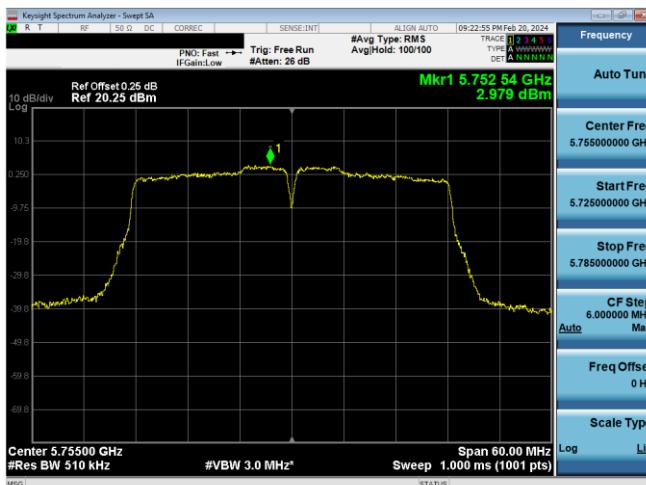
Plot 7-327. PSD Antenna WF5b (40MHz BW 802.11ax(SU) – Ch. 151, MCS4)



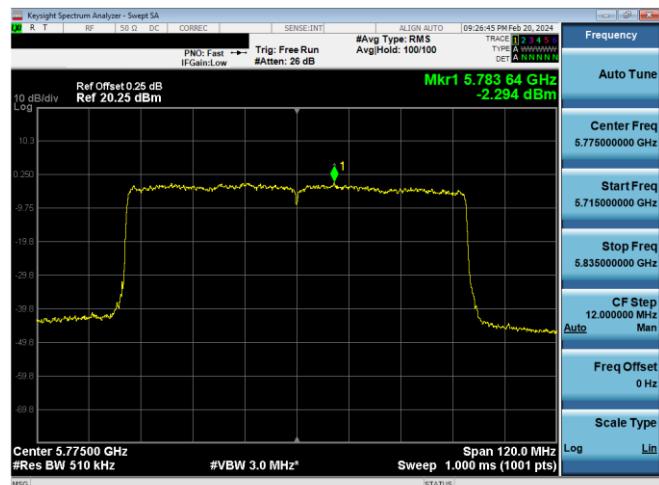
Plot 7-325. PSD Antenna WF5b (20MHz BW 802.11ax(SU) – Ch. 157, MCS4)



Plot 7-328. PSD Antenna WF5b (80MHz BW 802.11ac – Ch. 155, MCS4)

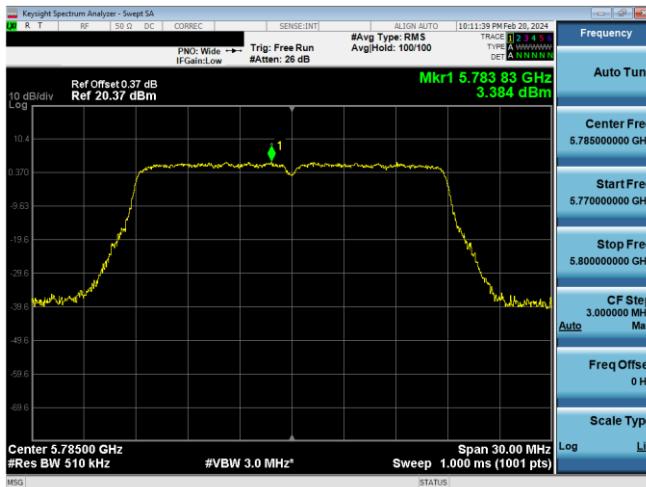


Plot 7-326. PSD Antenna WF5b (40MHz BW 802.11n – Ch. 151, MCS4)

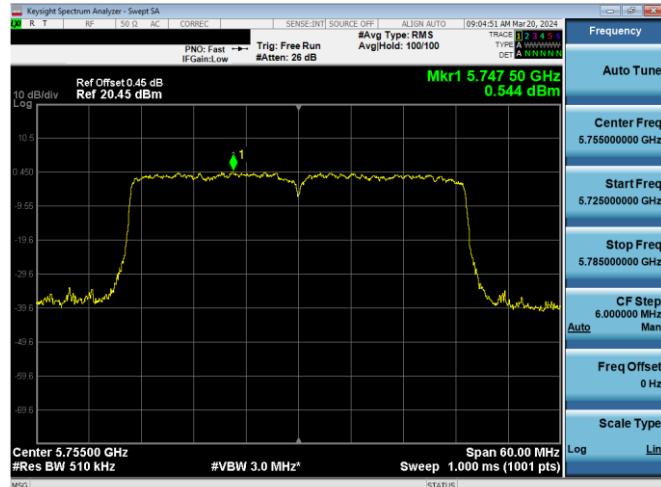


Plot 7-329. PSD Antenna WF5b (80MHz BW 802.11ax(SU) – Ch. 155, MCS4)

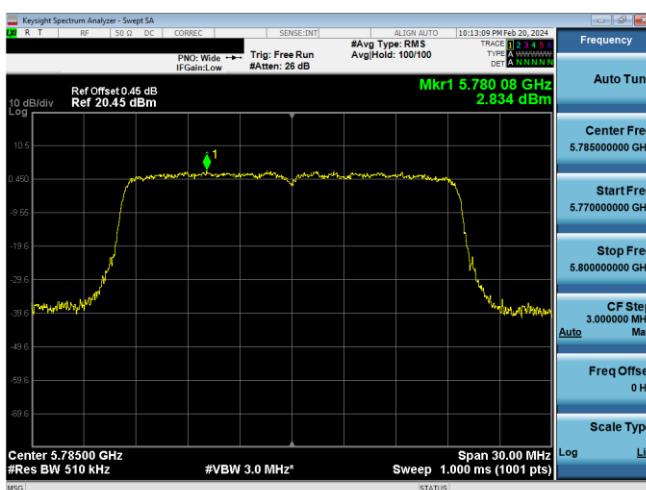
FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 158 of 577



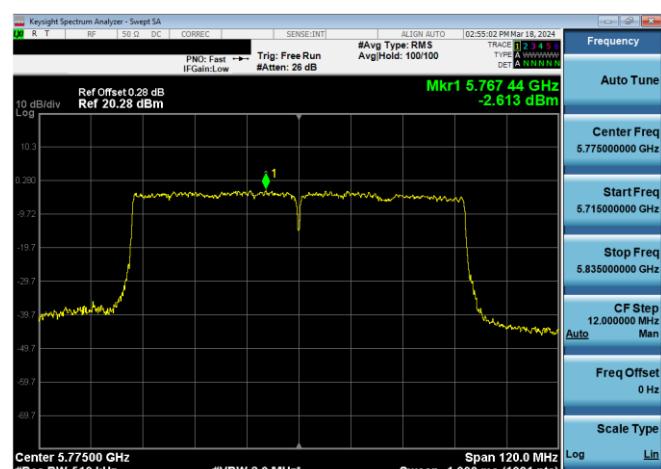
Plot 7-330. PSD Antenna WF5b (20MHz BW 802.11n – Ch. 157, MCS7)



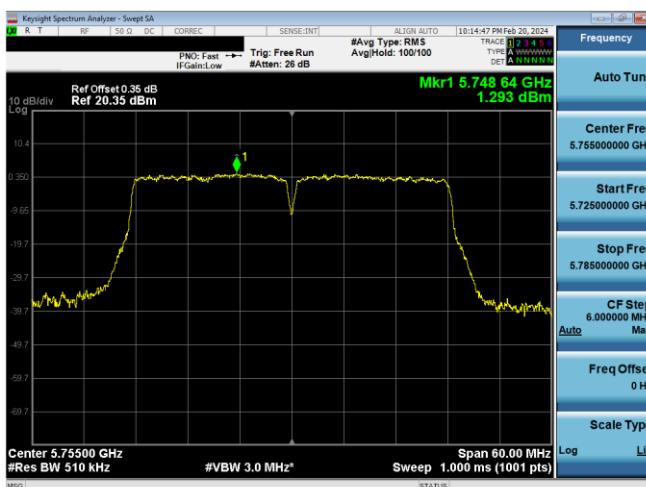
Plot 7-333. PSD Antenna WF5b (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)



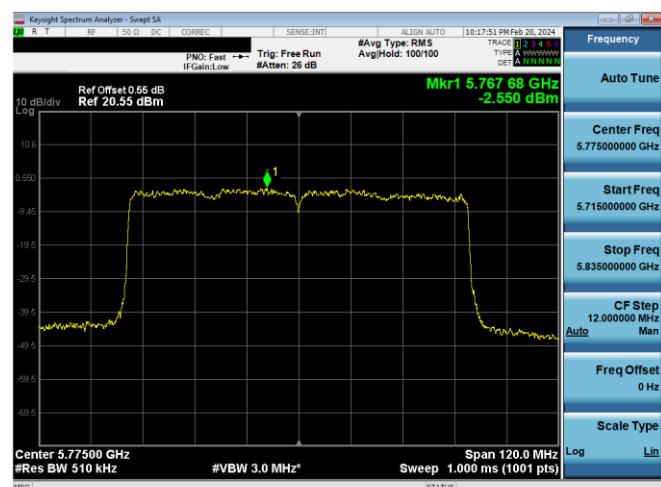
Plot 7-331. PSD Antenna WF5b (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)



Plot 7-334. PSD Antenna WF5b (80MHz BW 802.11ac – Ch. 155, MCS9)



Plot 7-332. PSD Antenna WF5b (40MHz BW 802.11n – Ch. 151, MCS7)



Plot 7-335. PSD Antenna WF5b (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)

FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 159 of 577

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	5.74	2.20	7.94	10.0	-2.06
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	5.74	2.20	7.94	10.0	-2.07
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	6.00	2.20	8.20	10.0	-1.80
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	4.28	2.20	6.48	10.0	-3.52
	5200	40	ax (SU) (20MHz)	24/25.8 (MCS2)	4.47	2.20	6.67	10.0	-3.33
	5240	48	ax (SU) (20MHz)	24/25.8 (MCS2)	4.39	2.20	6.59	10.0	-3.41
	5190	38	n (40MHz)	40/40.5 (MCS2)	1.18	2.20	3.38	10.0	-6.62
	5230	46	n (40MHz)	40/40.5 (MCS2)	4.68	2.20	6.88	10.0	-3.12
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	-0.43	2.20	1.77	10.0	-8.23
	5230	46	ax (SU) (40MHz)	49/51.6 (MCS2)	3.53	2.20	5.73	10.0	-4.27
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-2.63	2.20	-0.43	10.0	-10.43
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-4.07	2.20	-1.87	10.0	-11.87
Band 1/2	5250	50	ac (160MHz)	87.8/97.5 (MCS2)	-6.79	2.20	-4.59	10.0	-14.59
	5250	50	ax (SU) (160MHz)	102/108.1 (MCS2)	-6.67	2.20	-4.47	10.0	-14.47

Table 7-206. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5b (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS4)	5.73	2.20	7.93	10.0	-2.07
	5200	40	n (20MHz)	39/43.3 (MCS4)	5.60	2.20	7.80	10.0	-2.20
	5240	48	n (20MHz)	39/43.3 (MCS4)	5.91	2.20	8.11	10.0	-1.89
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	4.03	2.20	6.23	10.0	-3.77
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	4.25	2.20	6.45	10.0	-3.55
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	4.32	2.20	6.52	10.0	-3.48
	5190	38	n (40MHz)	81/90 (MCS4)	0.77	2.20	2.97	10.0	-7.03
	5230	46	n (40MHz)	81/90 (MCS4)	4.78	2.20	6.98	10.0	-3.02
	5190	38	ax (SU) (40MHz)	98/103.2 (MCS4)	-0.49	2.20	1.71	10.0	-8.29
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	3.50	2.20	5.70	10.0	-4.30
	5210	42	ac (80MHz)	175.5/195 (MCS4)	-3.08	2.20	-0.88	10.0	-10.88
	5210	42	ax (SU) (80MHz)	204/216.2 (MCS4)	-4.14	2.20	-1.94	10.0	-11.94
Band 1/2	5250	50	ac (160MHz)	175.5/195 (MCS4)	-7.51	2.20	-5.31	10.0	-15.31
	5250	50	ax (SU) (160MHz)	204/216.2 (MCS4)	-7.25	2.20	-5.05	10.0	-15.05

Table 7-207. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5b (Mid Data Rate)

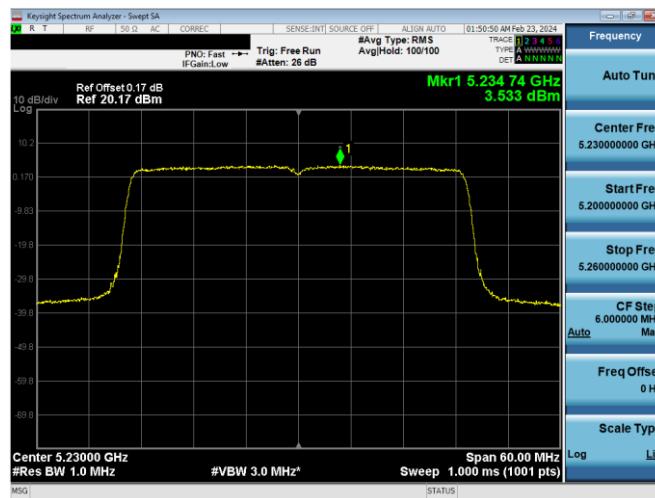
	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	65/72.2 (MCS7)	4.44	2.20	6.64	10.0	-3.36
	5200	40	n (20MHz)	65/72.2 (MCS7)	4.31	2.20	6.51	10.0	-3.49
	5240	48	n (20MHz)	65/72.2 (MCS7)	5.01	2.20	7.21	10.0	-2.79
	5180	36	ax (SU) (20MHz)	135/143.4 (MCS11)	3.76	2.20	5.96	10.0	-4.04
	5200	40	ax (SU) (20MHz)	135/143.4 (MCS11)	4.64	2.20	6.84	10.0	-3.16
	5240	48	ax (SU) (20MHz)	135/143.4 (MCS11)	4.51	2.20	6.71	10.0	-3.29
	5190	38	n (40MHz)	135/150 (MCS7)	-0.44	2.20	1.76	10.0	-8.24
	5230	46	n (40MHz)	135/150 (MCS7)	3.37	2.20	5.57	10.0	-4.44
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	-0.90	2.20	1.30	10.0	-8.70
	5230	46	ax (SU) (40MHz)	271/286 (MCS11)	3.50	2.20	5.70	10.0	-4.30
	5210	42	ac (80MHz)	390/433.3 (MCS9)	-4.69	2.20	-2.49	10.0	-12.49
	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	-5.18	2.20	-2.98	10.0	-12.98
Band 1/2	5250	50	ac (160MHz)	390/433.3 (MCS9)	-7.57	2.20	-5.37	10.0	-15.37
	5250	50	ax (SU) (160MHz)	567/600.5 (MCS11)	-7.96	2.20	-5.76	10.0	-15.76

Table 7-208. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5b (High Data Rate)

FCC ID: BCGA2837 IC: 579C-A2837	MEASUREMENT REPORT (CERTIFICATION)				
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device			



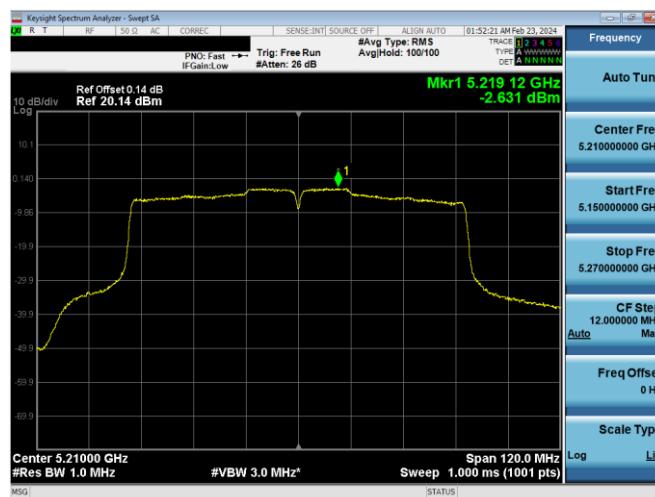
Plot 7-336. ISED PSD Antenna WF5b (20MHz BW 11n – Ch.40, MCS2)



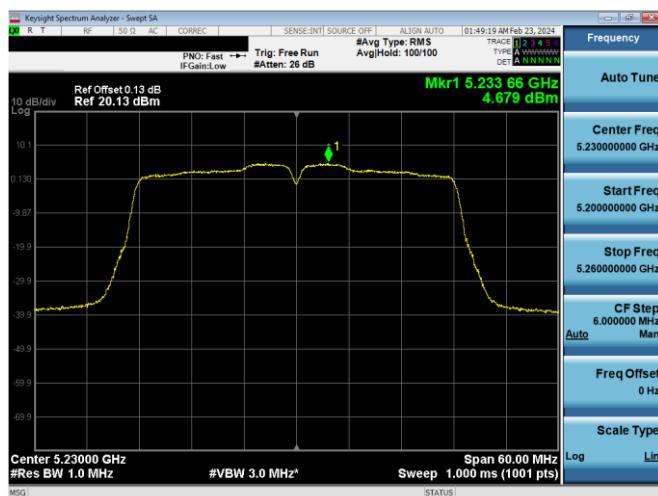
Plot 7-339. ISED PSD Antenna WF5b (40MHz BW 11ax(SU) – Ch.46, MCS2)



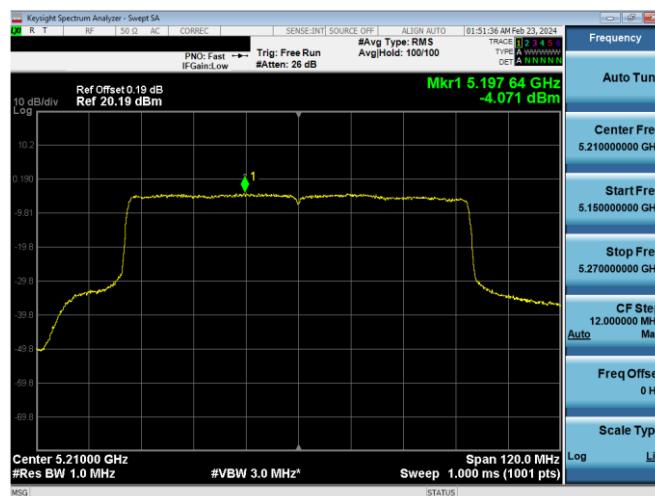
Plot 7-337. ISED PSD Antenna WF5b (20MHz BW 11ax(SU) – Ch.40, MCS2)



Plot 7-340. ISED PSD Antenna WF5b (80MHz BW 11ac – Ch.42, MCS2)

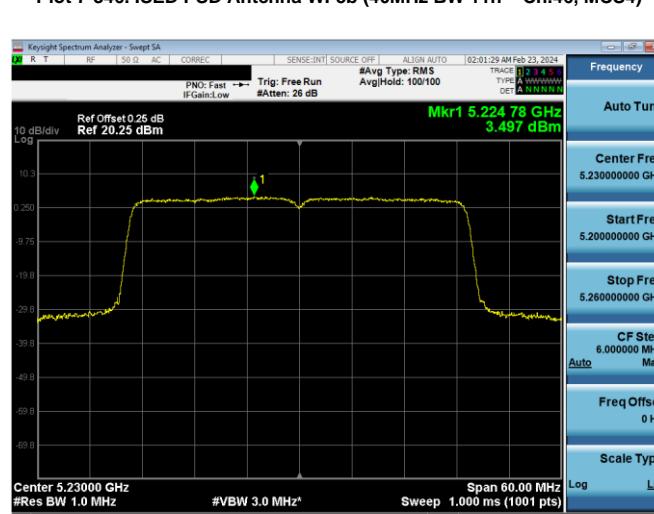
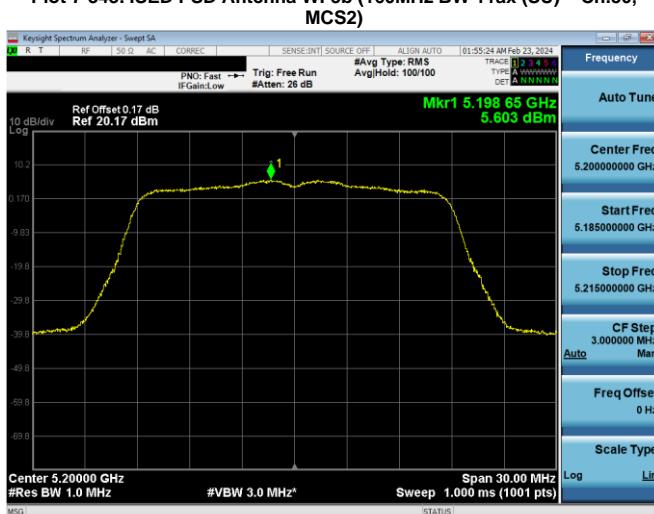
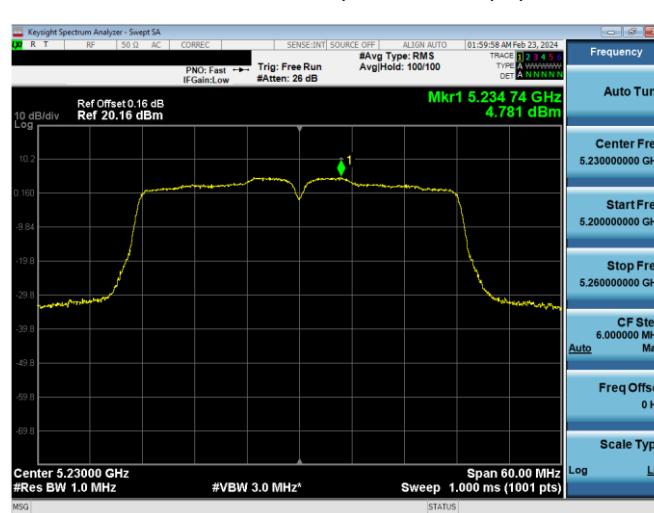
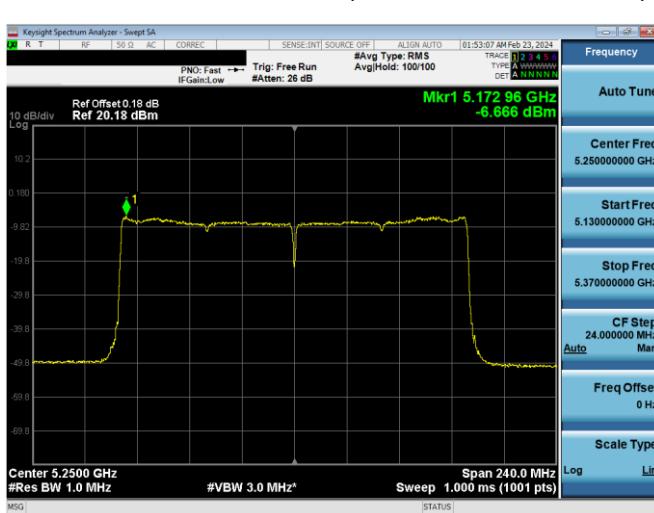
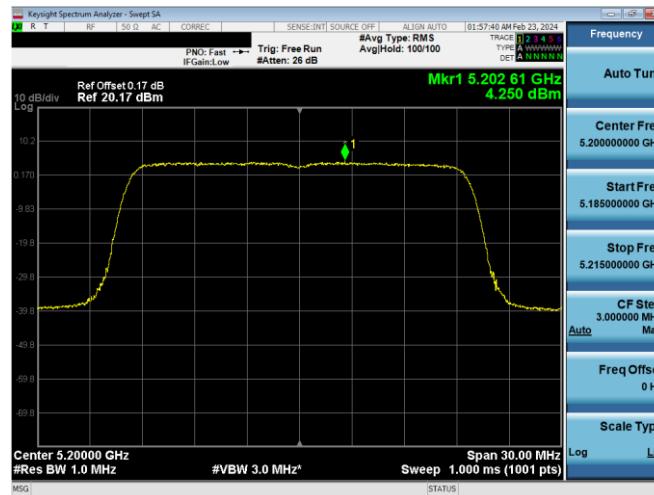
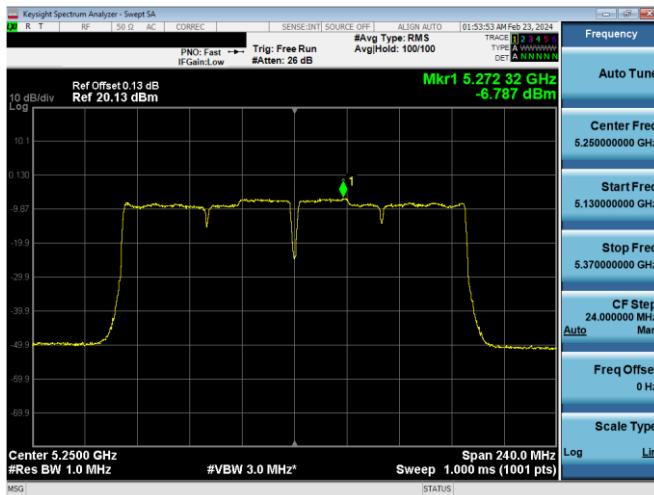


Plot 7-338. ISED PSD Antenna WF5b (40MHz BW 11n – Ch.46, MCS2)



Plot 7-341. ISED PSD Antenna WF5b (80MHz BW 11ax (SU) – Ch.42, MCS2)

FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 161 of 577



FCC ID: BCGA2837 IC: 579C-A2837	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-22.BCG	Test Dates: 11/28/2023 - 1/15/2024	EUT Type: Tablet Device	Page 162 of 577

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).