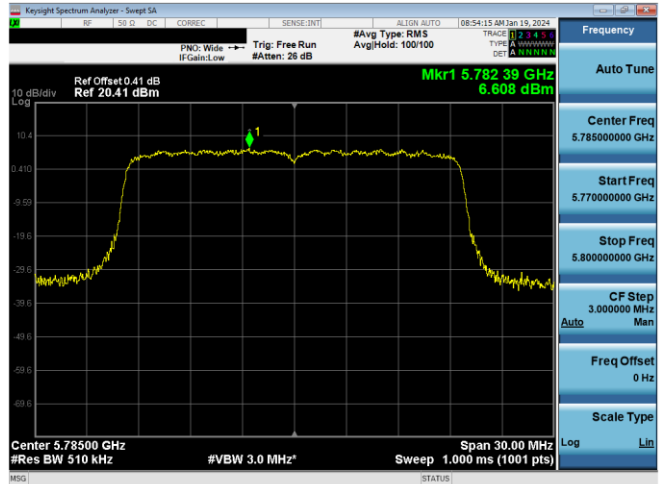
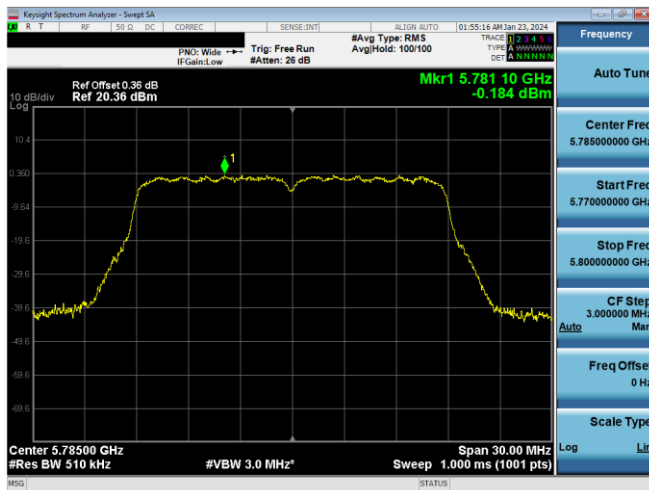


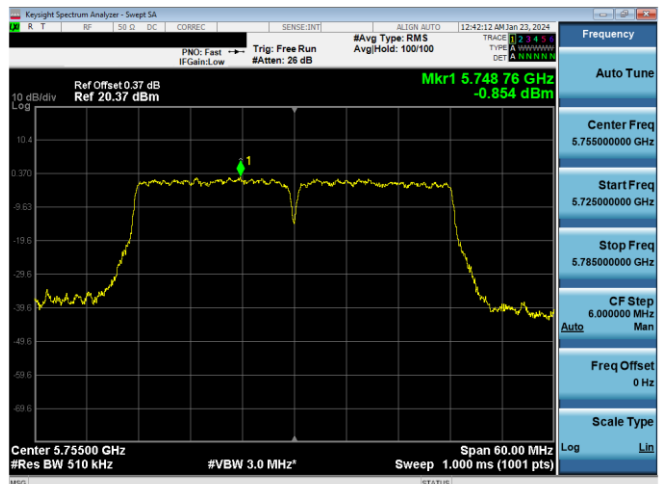
Plot 7-504. PSD CDD Antenna WF8 (20MHz BW 802.11n – Ch. 157, MCS15)



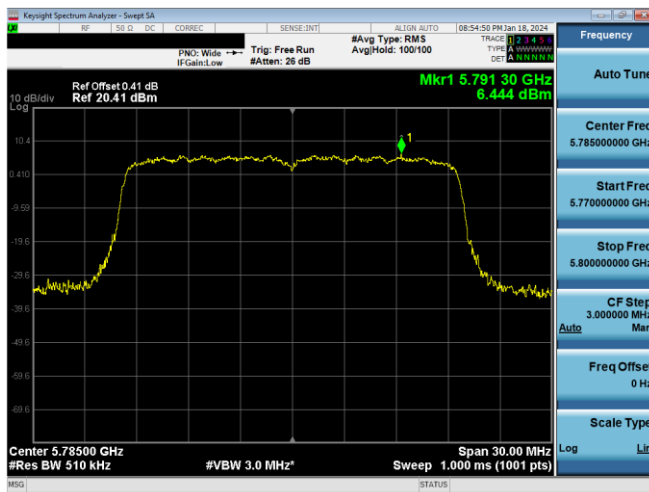
Plot 7-507. PSD CDD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)



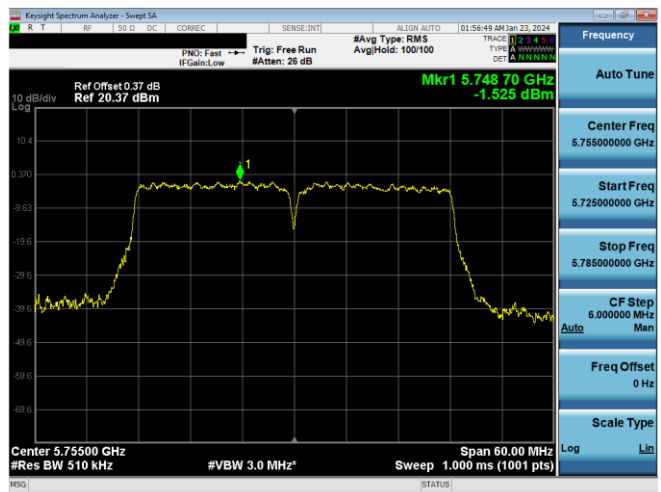
Plot 7-505. PSD CDD Antenna WF7a (20MHz BW 802.11n – Ch. 157, MCS15)



Plot 7-508. PSD CDD Antenna WF8 (40MHz BW 802.11n – Ch. 151, MCS15)

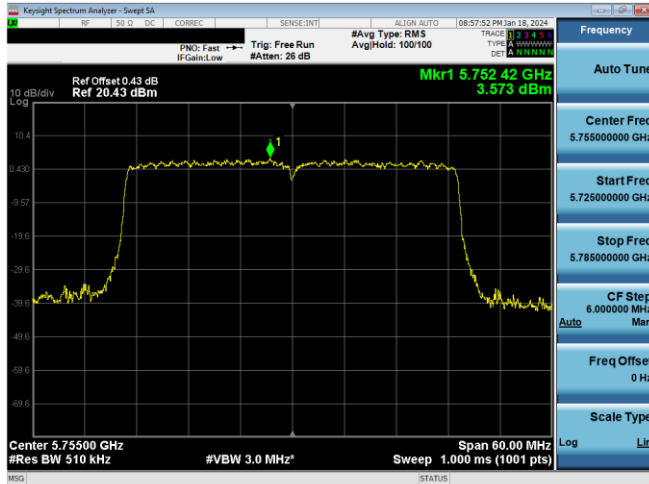


Plot 7-506. PSD CDD Antenna WF8 (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)

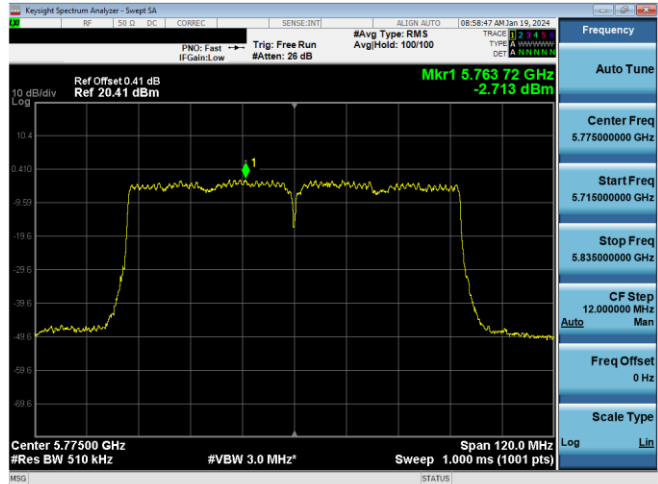


Plot 7-509. PSD CDD Antenna WF7a (40MHz BW 802.11n – Ch. 151, MCS15)

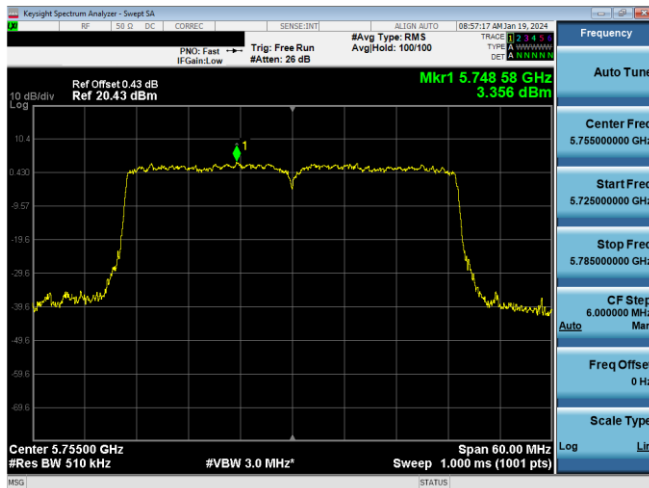
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 174 of 387



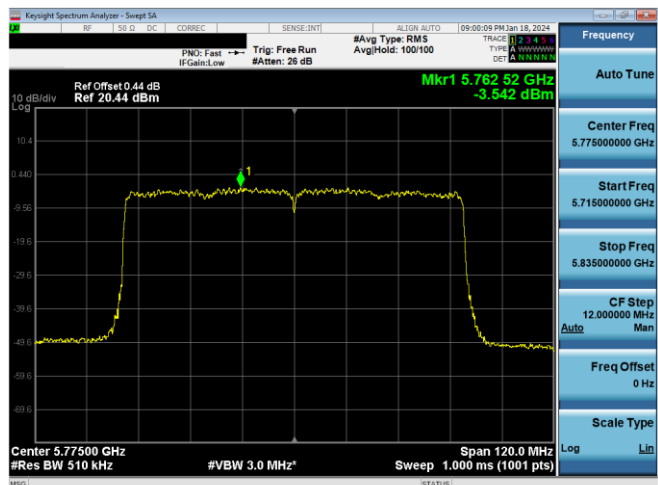
Plot 7-510. PSD CDD Antenna WF8 (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)



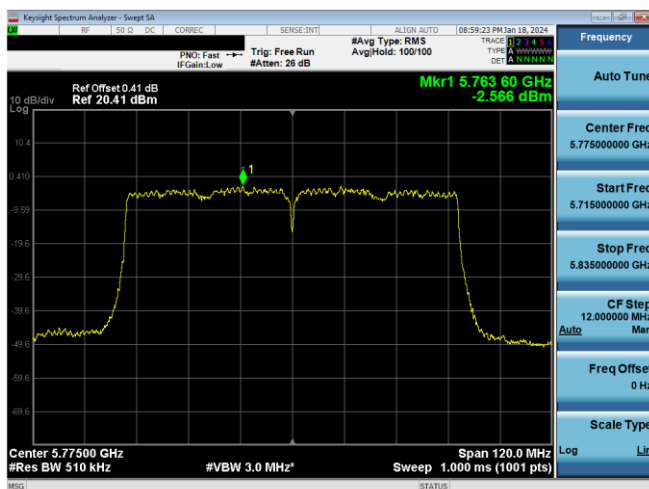
Plot 7-513. PSD CDD Antenna WF7a (80MHz BW 802.11ac – Ch. 155, MCS9)



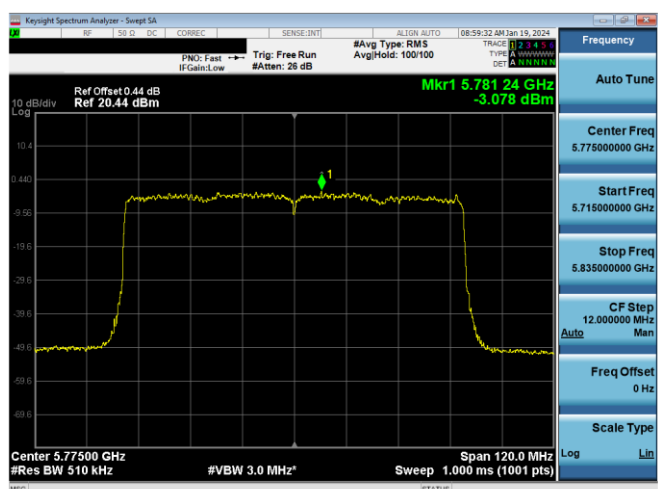
Plot 7-511. PSD CDD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)



Plot 7-514. PSD CDD Antenna WF8 (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)



Plot 7-512. PSD CDD Antenna WF8 (80MHz BW 802.11ac – Ch. 155, MCS9)



Plot 7-515. PSD CDD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 175 of 387

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Ant WFB Power Density [dBm/MHz]	Ant WF7a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directoinal 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)	SDM	39/43.3 (MCS10)	2.64	2.68	5.67	2.17	4.86	10.0	-5.14	
	5200	40	n (20MHz)	SDM	39/43.3 (MCS10)	2.75	2.91	5.84	2.17	5.09	10.0	-4.91	
	5240	48	n (20MHz)	SDM	39/43.3 (MCS10)	3.16	3.05	6.11	2.17	5.22	10.0	-4.78	
	5180	36	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	1.30	0.95	4.14	2.17	3.13	10.0	-6.87	
	5200	40	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	1.05	0.86	3.97	2.17	3.03	10.0	-6.97	
	5240	48	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	1.38	1.20	4.30	2.17	3.38	10.0	-6.62	
	5190	38	n (40MHz)	SDM	81/90 (MCS10)	1.12	0.93	4.03	2.17	3.10	10.0	-6.90	
	5230	46	n (40MHz)	SDM	81/90 (MCS10)	2.47	2.41	5.45	2.17	4.59	10.0	-5.41	
	5190	38	ax (SU) (40MHz)	SDM	98/103.2 (MCS2)	-1.54	-1.81	1.34	2.17	0.37	10.0	-9.63	
	5230	46	ax (SU) (40MHz)	SDM	98/103.2 (MCS2)	0.98	0.83	3.92	2.17	3.01	10.0	-6.99	
	5210	42	ac (80MHz)	CDD	175.5/195 (MCS2)	-3.61	-3.89	-0.74	5.15	1.26	10.0	-8.74	
	5210	42	ax (SU) (80MHz)	SDM	204/216.2 (MCS2)	-5.46	-5.79	-2.61	2.17	-3.61	10.0	-13.61	
	Band 1/2	5250	50	ac (160MHz)	CDD	175.5/195 (MCS2)	-8.42	-8.57	-5.48	5.15	-3.42	10.0	-13.42
		5250	50	ax (SU) (160MHz)	CDD	204.2/216.2 (MCS2)	-9.63	-9.71	-6.66	5.15	-4.66	10.0	-14.56

Table 7-140. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM (Low Data Rate)

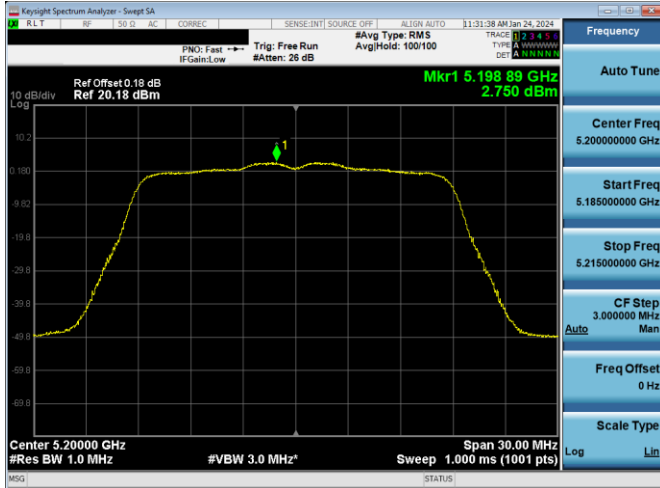
	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Ant WFB Power Density [dBm/MHz]	Ant WF7a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directoinal Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]	
Band 1	5180	36	n (20MHz)	SDM	78/86.7 (MCS12)	2.56	2.76	5.67	2.17	4.93	10.0	-5.07	
	5200	40	n (20MHz)	SDM	78/86.7 (MCS12)	2.95	2.69	5.83	2.17	4.86	10.0	-5.14	
	5240	48	n (20MHz)	SDM	78/86.7 (MCS12)	3.33	3.37	6.36	2.17	5.54	10.0	-4.46	
	5180	36	ax (SU) (20MHz)	SDM	196/206.5 (MCS4)	1.28	0.89	4.10	2.17	3.07	10.0	-6.93	
	5200	40	ax (SU) (20MHz)	SDM	196/206.5 (MCS4)	1.31	1.34	4.33	2.17	3.51	10.0	-6.49	
	5240	48	ax (SU) (20MHz)	SDM	196/206.5 (MCS4)	1.48	1.46	4.48	2.17	3.64	10.0	-6.36	
	5190	38	n (40MHz)	SDM	162/180 (MCS12)	0.69	0.61	3.66	2.17	2.78	10.0	-7.22	
	5230	46	n (40MHz)	SDM	162/180 (MCS12)	2.77	2.51	5.66	2.17	4.69	10.0	-5.31	
	5190	38	ax (SU) (40MHz)	SDM	196/206.5 (MCS4)	-1.96	-2.08	0.99	2.17	0.10	10.0	-9.90	
	5230	46	ax (SU) (40MHz)	SDM	196/206.5 (MCS4)	1.12	1.22	4.18	2.17	3.40	10.0	-6.60	
	5210	42	ac (80MHz)	CDD	351/390 (MCS4)	-4.50	-4.46	-1.47	5.15	0.68	10.0	-9.32	
	5210	42	ax (SU) (80MHz)	SDM	408/432.4 (MCS4)	-6.26	-6.20	-3.22	2.17	-4.03	10.0	-14.03	
	Band 1/2	5250	50	ac (160MHz)	CDD	351/390 (MCS4)	-8.19	-8.31	-5.24	5.15	-3.17	10.0	-13.17
		5250	50	ax (SU) (160MHz)	CDD	408.3/432.4 (MCS4)	-10.08	-9.95	-7.00	5.15	-4.80	10.0	-14.80

Table 7-141. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM (Mid Data Rate)

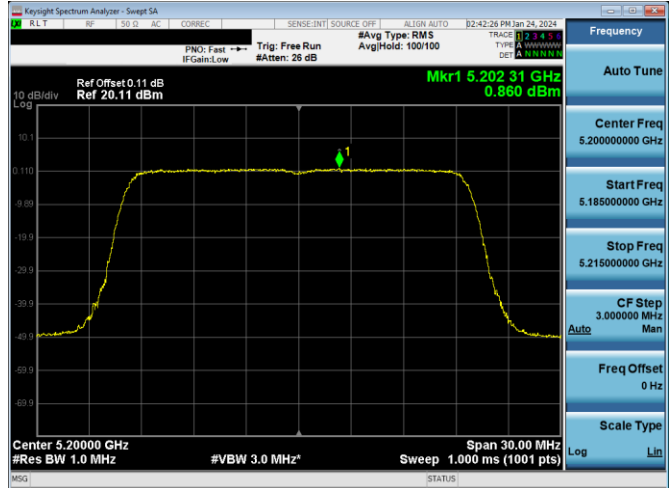
	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Ant WFB Power Density [dBm/MHz]	Ant WF7a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directoinal Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]	
Band 1	5180	36	n (20MHz)	SDM	MCS15	1.70	1.41	4.57	2.17	3.58	10.0	-6.42	
	5200	40	n (20MHz)	SDM	MCS15	1.80	1.47	4.65	2.17	3.64	10.0	-6.36	
	5240	48	n (20MHz)	SDM	MCS15	2.16	1.89	5.03	2.17	4.06	10.0	-5.94	
	5180	36	ax (SU) (20MHz)	SDM	MCS11	1.51	1.26	4.40	2.17	3.43	10.0	-6.57	
	5200	40	ax (SU) (20MHz)	SDM	MCS11	1.82	1.20	4.53	2.17	3.38	10.0	-6.62	
	5240	48	ax (SU) (20MHz)	SDM	MCS11	1.44	1.33	4.39	2.17	3.50	10.0	-6.50	
	5190	38	n (40MHz)	SDM	MCS15	-0.82	-1.05	2.08	2.17	1.12	10.0	-8.88	
	5230	46	n (40MHz)	CDD	MCS15	1.60	1.36	4.49	5.15	6.51	10.0	-3.49	
	5190	38	ax (SU) (40MHz)	CDD	MCS11	-2.80	-2.78	0.22	5.15	2.37	10.0	-7.63	
	5230	46	ax (SU) (40MHz)	CDD	MCS11	1.48	1.17	4.34	5.15	6.32	10.0	-3.68	
	5210	42	ac (80MHz)	CDD	MCS15	-5.74	-5.83	-2.78	5.15	-0.69	10.0	-10.69	
	5210	42	ax (SU) (80MHz)	CDD	MCS11	-5.83	-5.94	-2.87	5.15	-0.79	10.0	-10.79	
	Band 1/2	5250	50	ac (160MHz)	CDD	MCS15	-10.24	-10.07	-7.14	5.15	-4.92	10.0	-14.92
		5250	50	ax (SU) (160MHz)	CDD	MCS11	-10.53	-10.27	-7.39	5.15	-5.12	10.0	-15.12

Table 7-142. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM (High Data Rate)

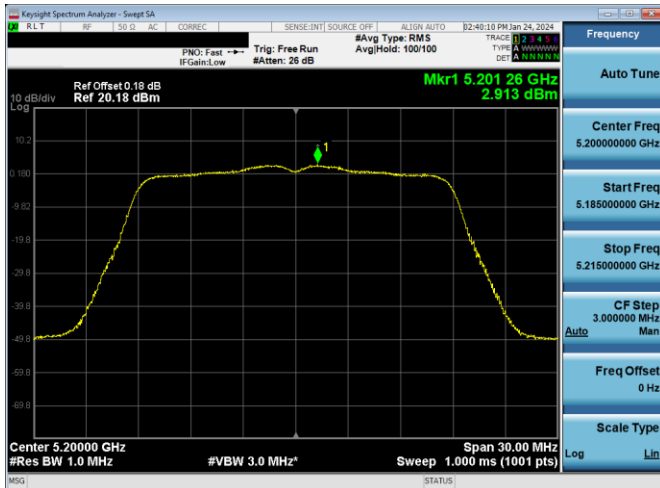
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 176 of 387



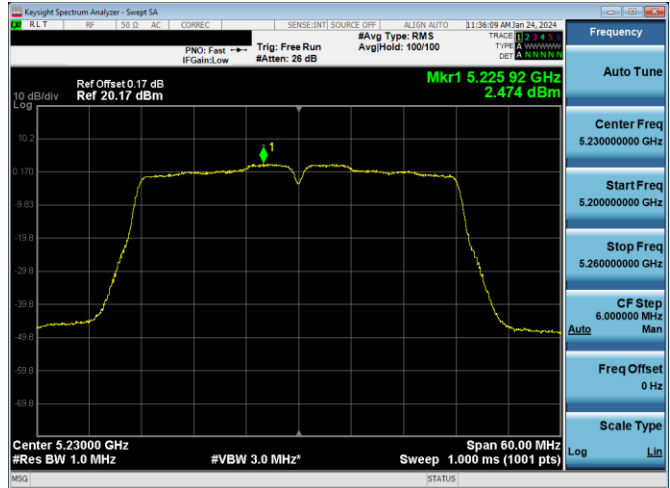
Plot 7-516. ISSED PSD SDM Antenna WF8 (20MHz BW 11n – Ch.40, MCS10)



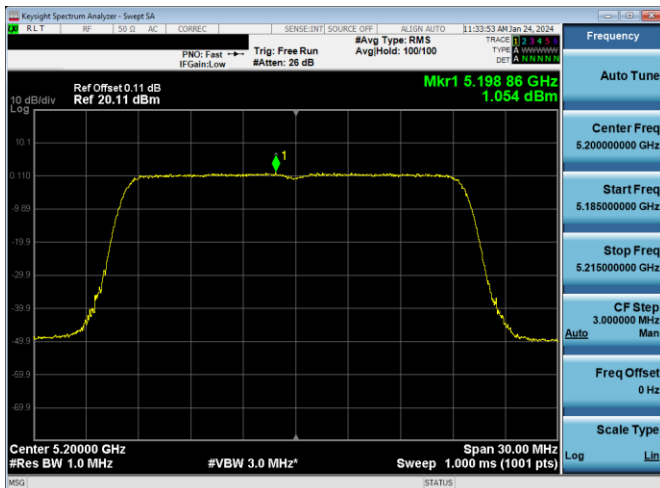
Plot 7-519. ISSED PSD SDM Antenna WF7a (20MHz BW 11ax(SU) – Ch.40, MCS2)



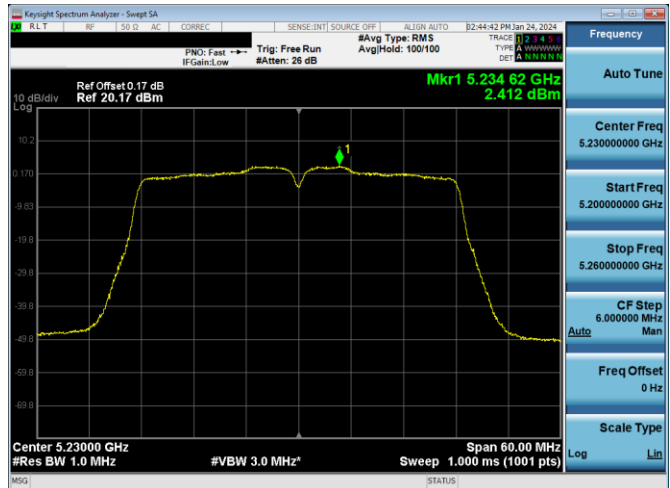
Plot 7-517. ISSED PSD SDM Antenna WF7a (20MHz BW 11n – Ch.40, MCS10)



Plot 7-520. ISSED PSD SDM Antenna WF8 (40MHz BW 11n – Ch.46, MCS10)

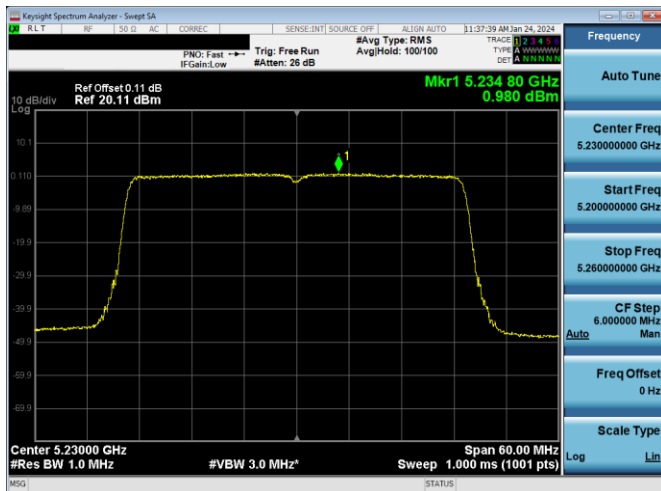


Plot 7-518. ISSED PSD SDM Antenna WF8 (20MHz BW 11ax(SU) – Ch.40, MCS2)

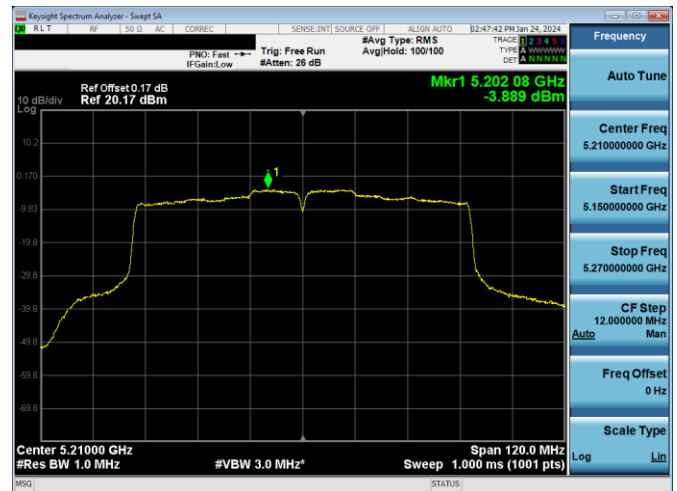


Plot 7-521. ISSED PSD SDM Antenna WF7a (40MHz BW 11n – Ch.46, MCS10)

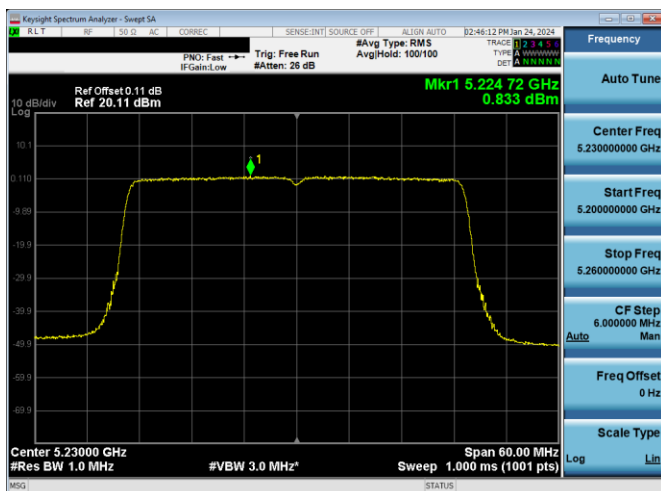
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 177 of 387



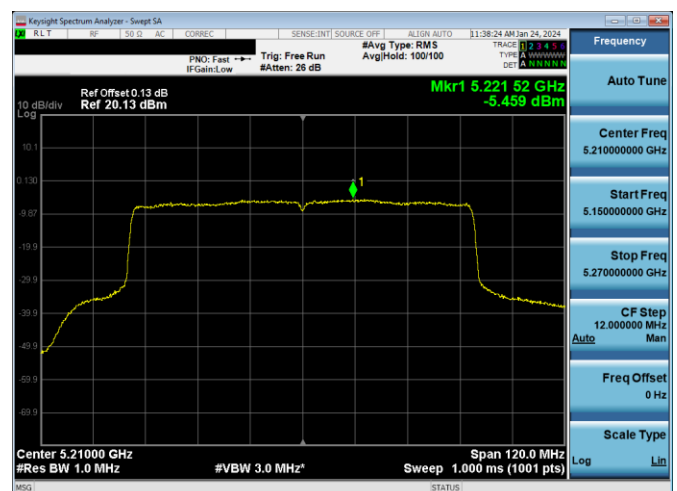
Plot 7-522. ISED PSD SDM Antenna WF8 (40MHz BW 11ax(SU) – Ch.46, MCS2)



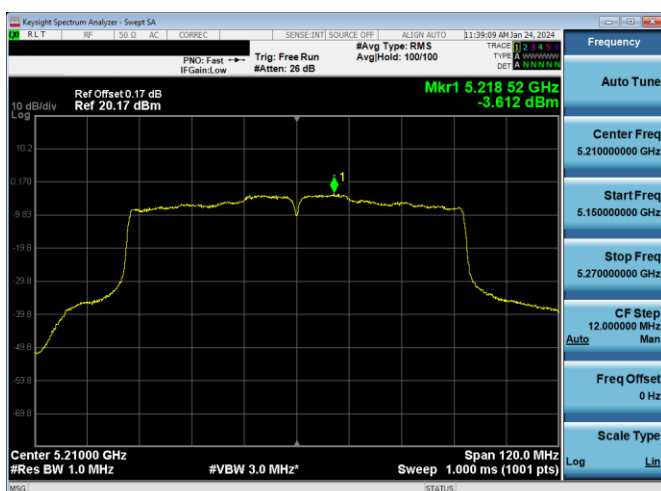
Plot 7-525. ISED PSD CDD Antenna WF7a (80MHz BW 11ac – Ch.42, MCS2)



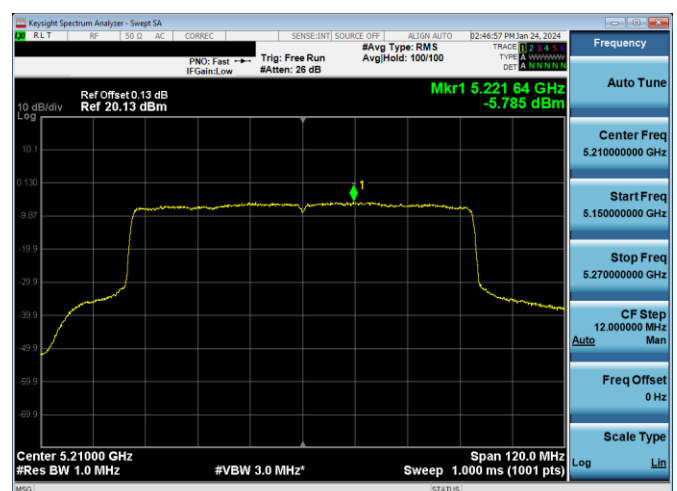
Plot 7-523. ISED SDM PSD Antenna WF7a (40MHz BW 11ax(SU) – Ch.46, MCS2)



Plot 7-526. ISED PSD SDM Antenna WF8 (80MHz BW 11ax (SU) – Ch.42, MCS2)

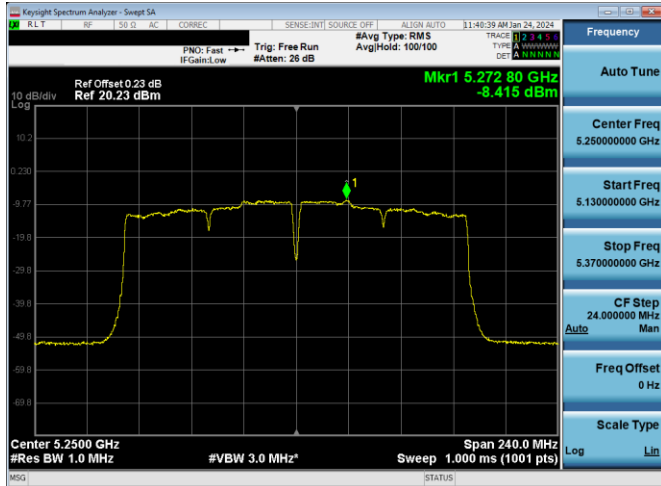


Plot 7-524. ISED PSD CDD Antenna WF8 (80MHz BW 11ac – Ch.42, MCS2)

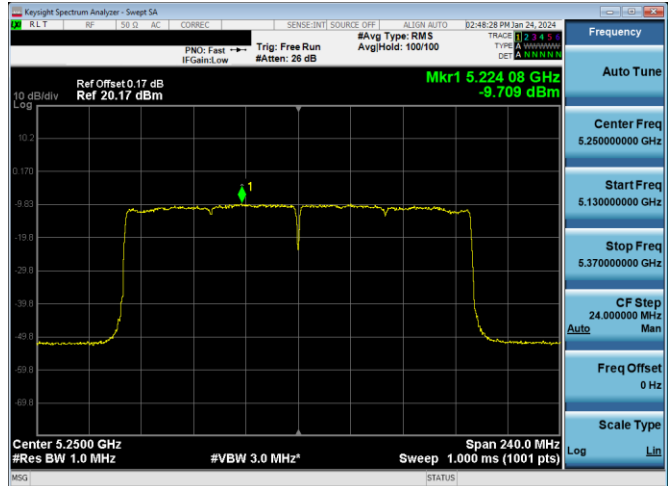


Plot 7-527. ISED PSD SDM Antenna WF7a (80MHz BW 11ax (SU) – Ch.42, MCS2)

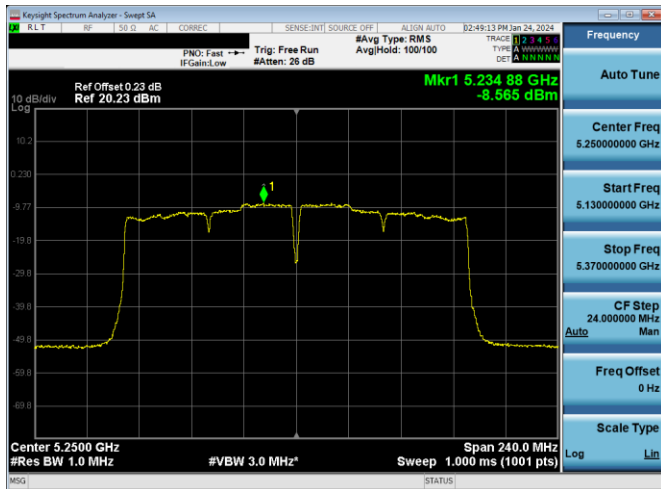
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 178 of 387



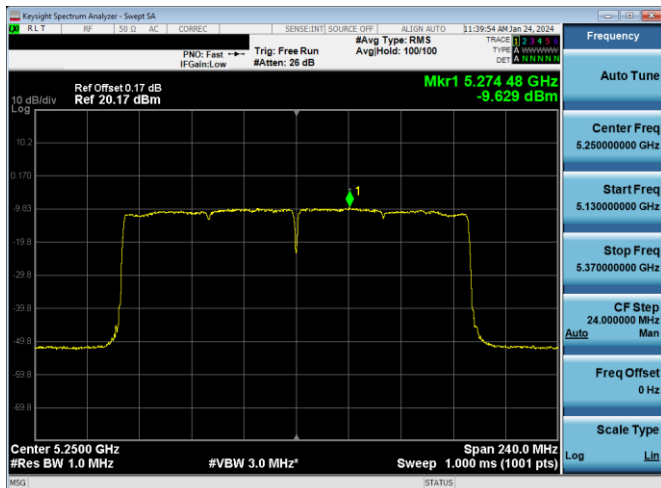
Plot 7-528. ISED PSD CDD Antenna WF8 (160MHz BW 11ac – Ch.50, MCS2)



Plot 7-531. ISED PSD SDM Antenna WF7a (160MHz BW 11ac (SU) – Ch.50, MCS2)

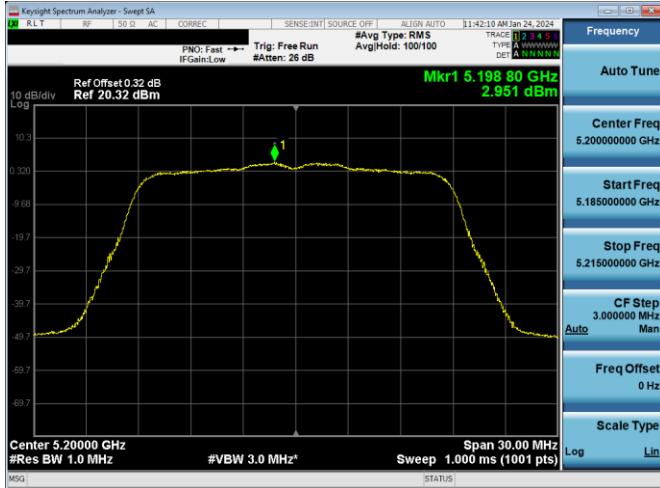


Plot 7-529. ISED PSD CDD Antenna WF7a (160MHz BW 11ac – Ch.50, MCS2)

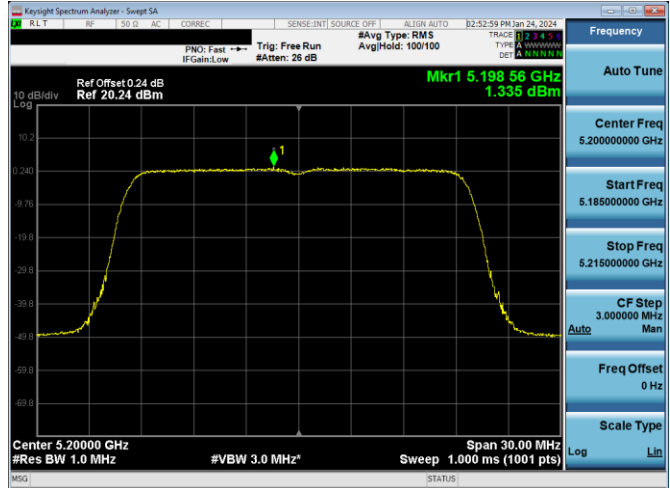


Plot 7-530. ISED PSD SDM Antenna WF8 (160MHz BW 11ax (SU) – Ch.50, MCS2)

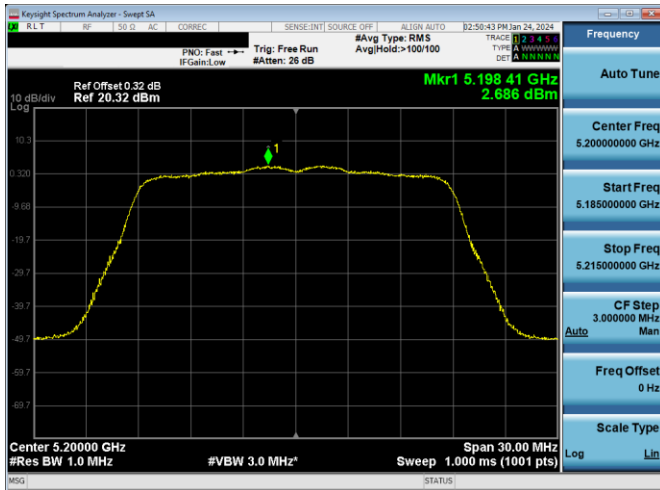
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 179 of 387



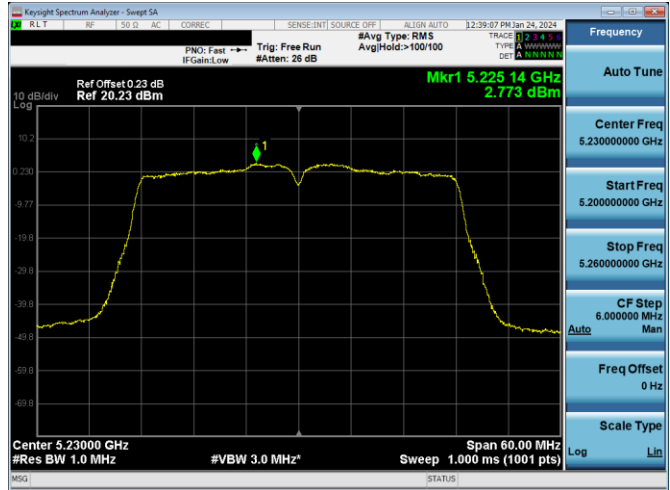
Plot 7-532. ISSED PSD SDM Antenna WF8 (20MHz BW 11n – Ch.40, MCS12)



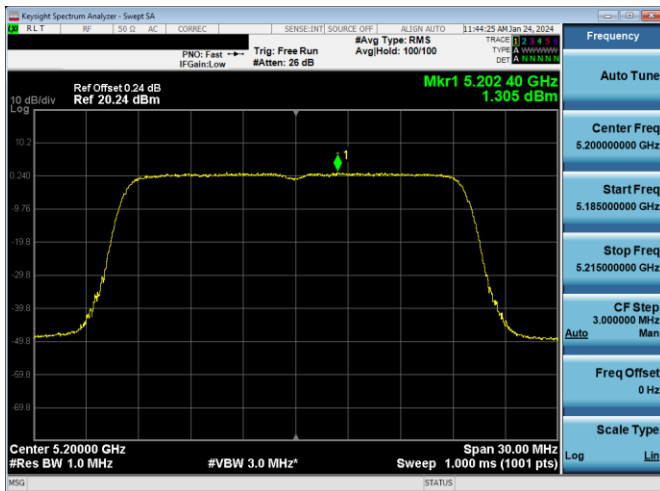
Plot 7-535. ISSED PSD SDM Antenna WF7a (20MHz BW 11ax(SU) – Ch.40, MCS4)



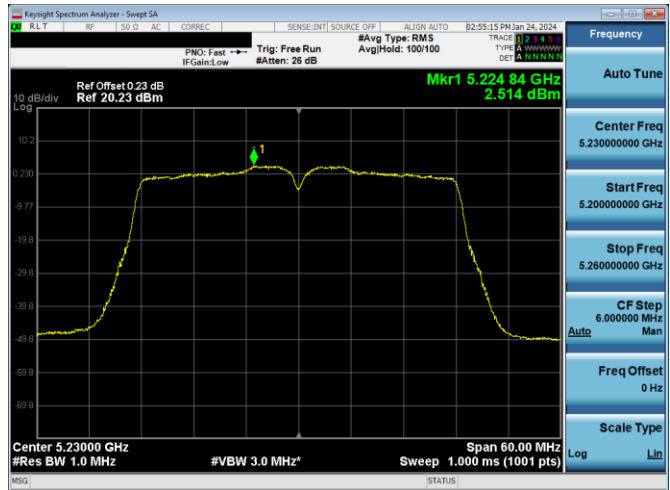
Plot 7-533. ISSED PSD SDM Antenna WF7a (20MHz BW 11n – Ch.40, MCS12)



Plot 7-536. ISSED PSD SDM Antenna WF8 (40MHz BW 11n – Ch.46, MCS12)

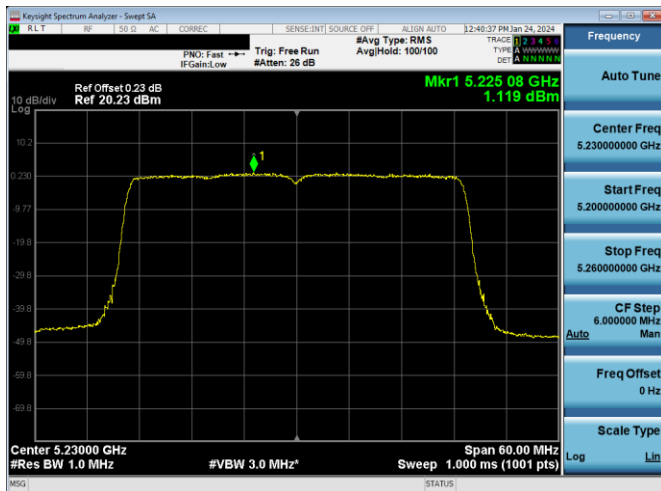


Plot 7-534. ISSED PSD SDM Antenna WF8 (20MHz BW 11ax(SU) – Ch.40, MCS4)

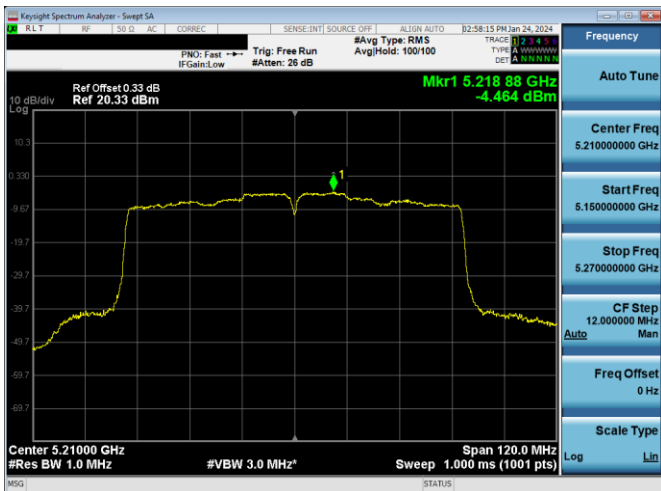


Plot 7-537. ISSED PSD SDM Antenna WF7a (40MHz BW 11n – Ch.46, MCS12)

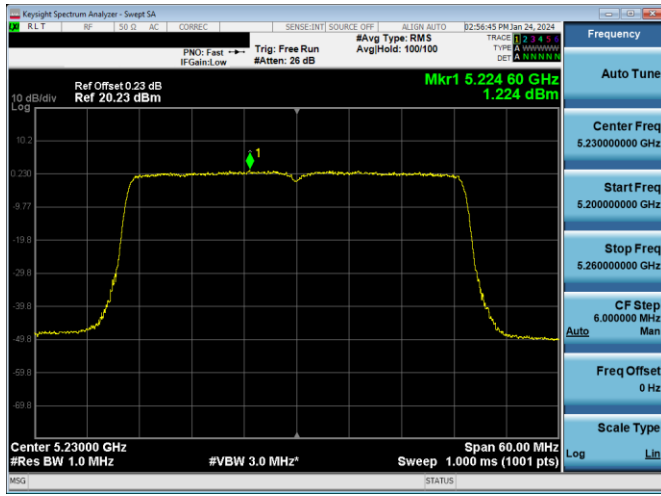
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 180 of 387



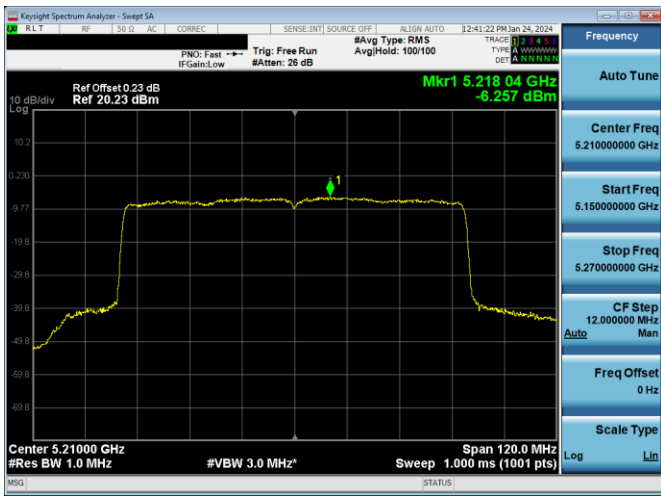
Plot 7-538. ISED PSD SDM Antenna WF8 (40MHz BW 11ax(SU) – Ch.46, MCS4)



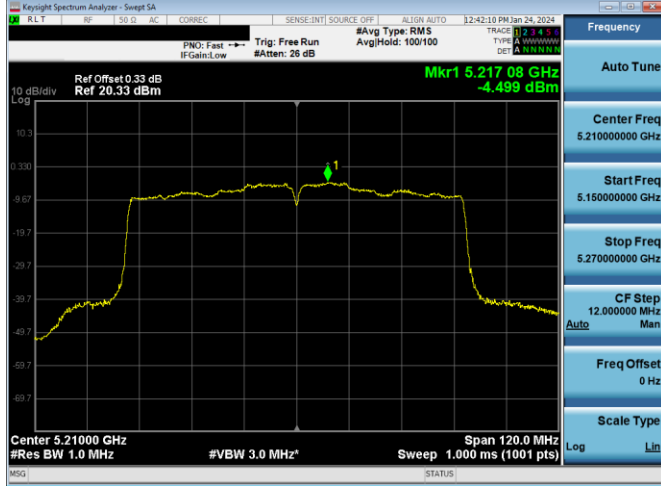
Plot 7-541. ISED PSD CDD Antenna WF7a (80MHz BW 11ac – Ch.42, MCS4)



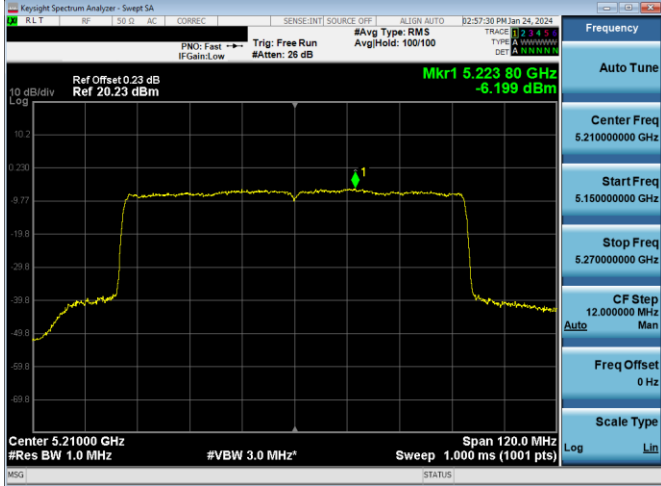
Plot 7-539. ISED SDM PSD Antenna WF7a (40MHz BW 11ax(SU) – Ch.46, MCS4)



Plot 7-542. ISED PSD SDM Antenna WF8 (80MHz BW 11ax (SU) – Ch.42, MCS4)



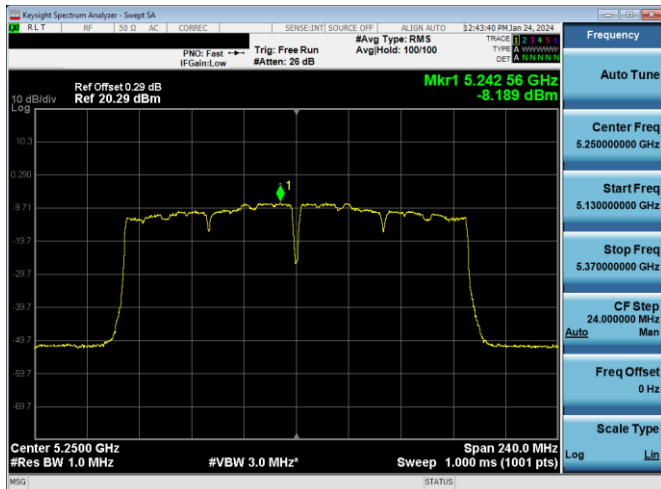
Plot 7-540. ISED PSD CDD Antenna WF8 (80MHz BW 11ac – Ch.42, MCS4)



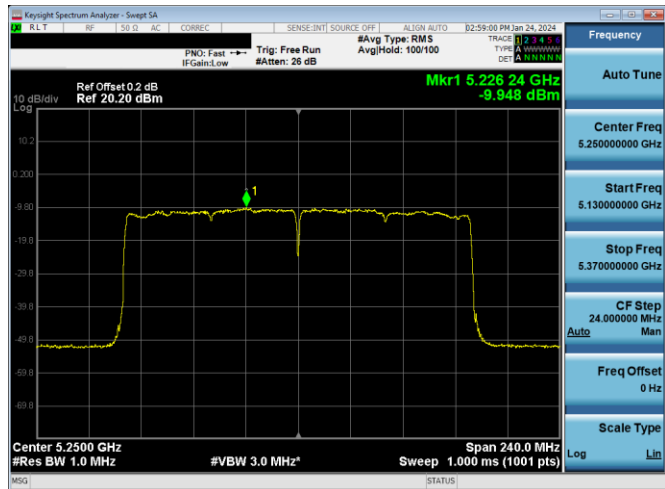
Plot 7-543. ISED PSD SDM Antenna WF7a (80MHz BW 11ax (SU) – Ch.42, MCS4)

FCC ID: BCGA2902 IC: 799C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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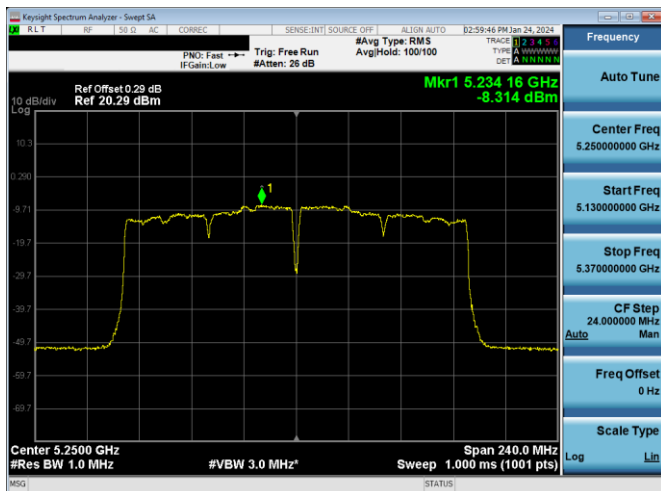




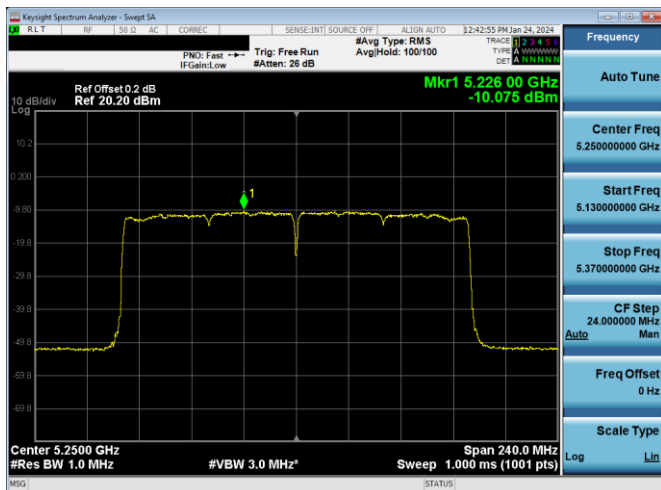
Plot 7-544. ISED PSD CDD Antenna WF8 (160MHz BW 11ac – Ch.50, MCS4)



Plot 7-547. ISED PSD CDD Antenna WF7a (160MHz BW 11ax (SU) – Ch.50, MCS4)

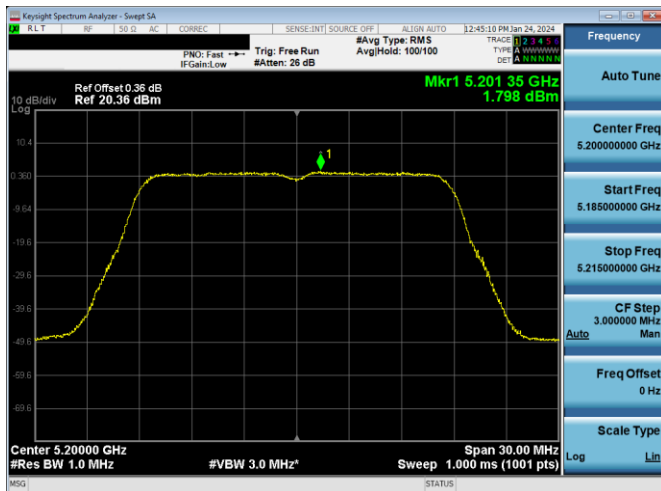


Plot 7-545. ISED PSD CDD Antenna WF7a (160MHz BW 11ac – Ch.50, MCS4)

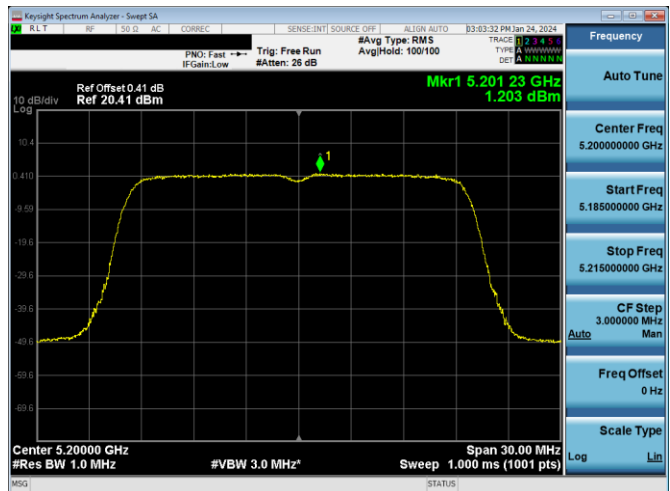


Plot 7-546. ISED PSD CDD Antenna WF8 (160MHz BW 11ax (SU) – Ch.50, MCS4)

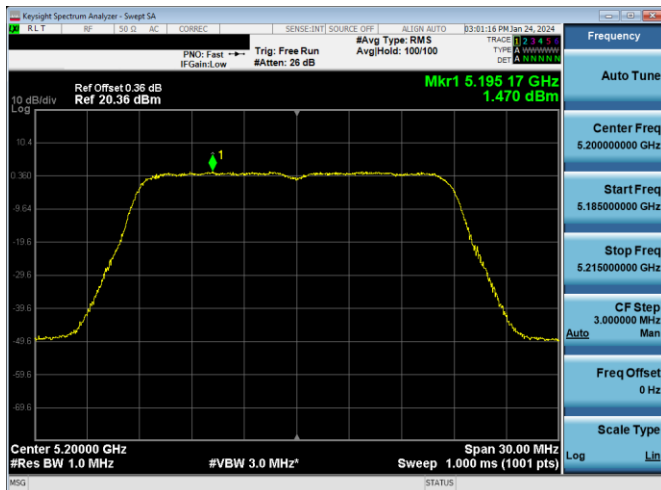
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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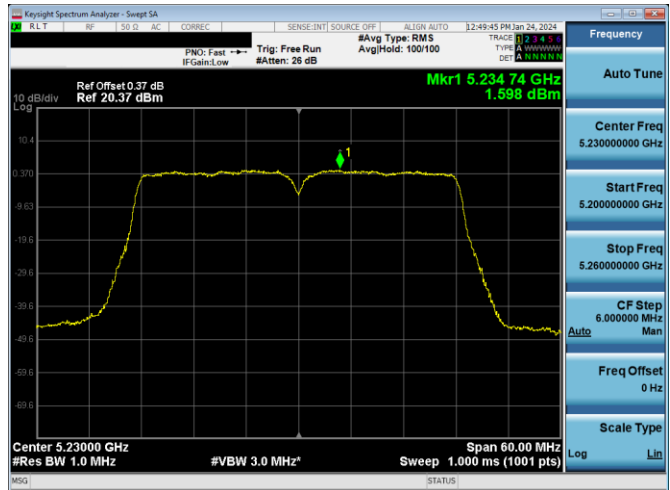
Plot 7-548. ISED PSD SDM Antenna WF8 (20MHz BW 11n – Ch.40, MCS15)



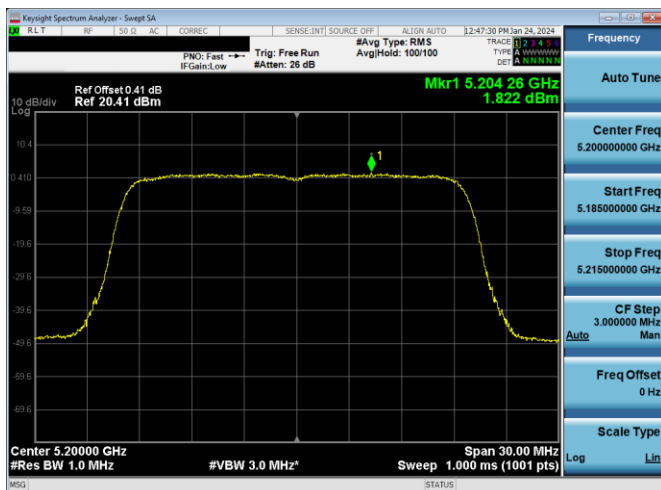
Plot 7-551. ISED PSD SDM Antenna WF7a (20MHz BW 11ax(SU) – Ch.40, MCS11)



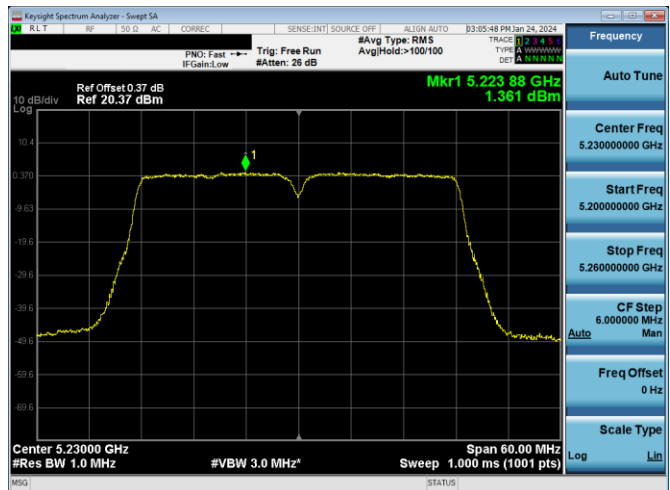
Plot 7-549. ISED PSD SDM Antenna WF7a (20MHz BW 11n – Ch.40, MCS15)



Plot 7-552. ISED PSD CDD Antenna WF8 (40MHz BW 11n – Ch.46, MCS15)

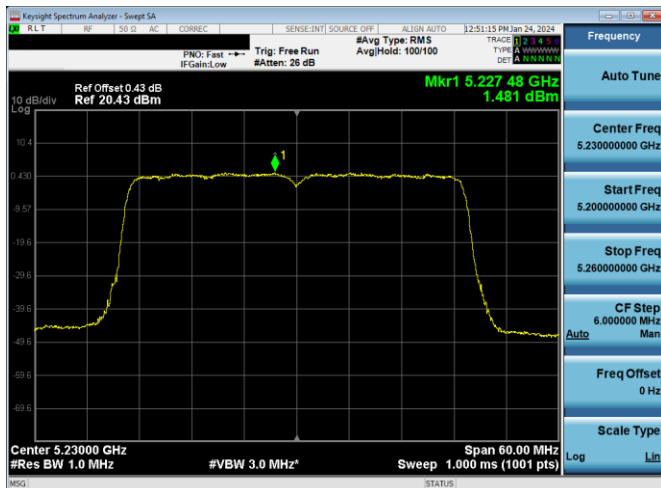


Plot 7-550. ISED PSD SDM Antenna WF8 (20MHz BW 11ax(SU) – Ch.40, MCS11)

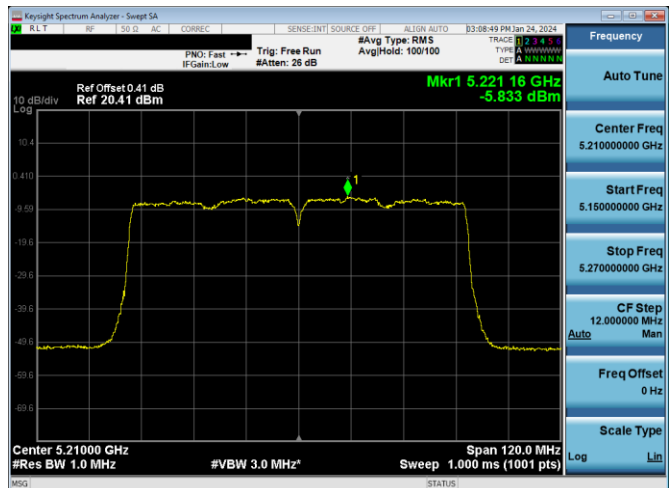


Plot 7-553. ISED PSD CDD Antenna WF7a (40MHz BW 11n – Ch.46, MCS15)

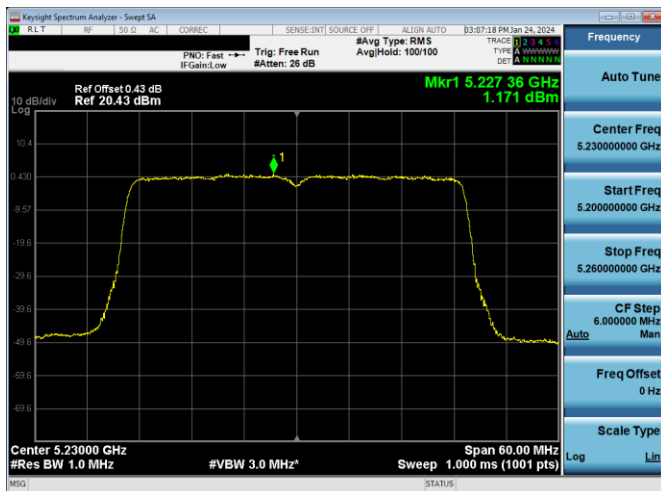
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 183 of 387



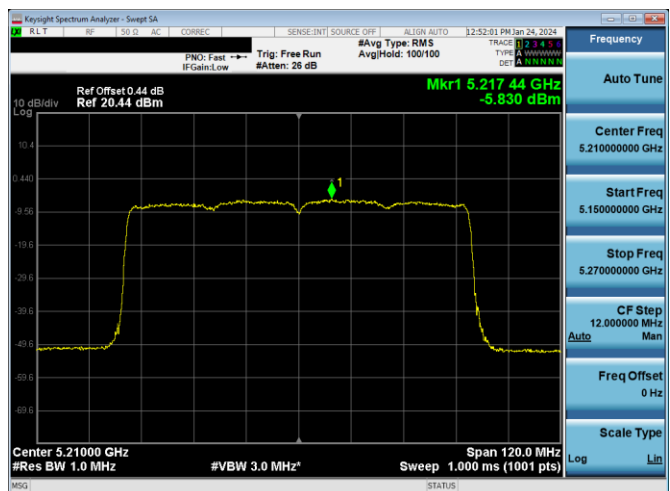
Plot 7-554. ISED PSD SDM Antenna WF8 (40MHz BW 11ax(SU) – Ch.46, MCS11)



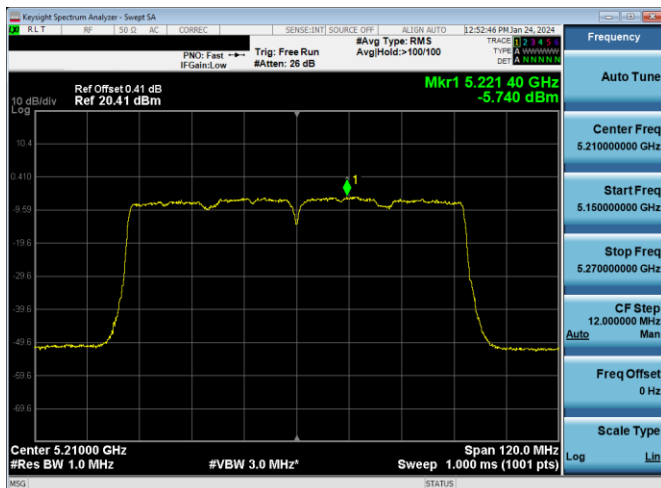
Plot 7-557. ISED PSD CDD Antenna WF7a (80MHz BW 11ac – Ch.42, MCS9)



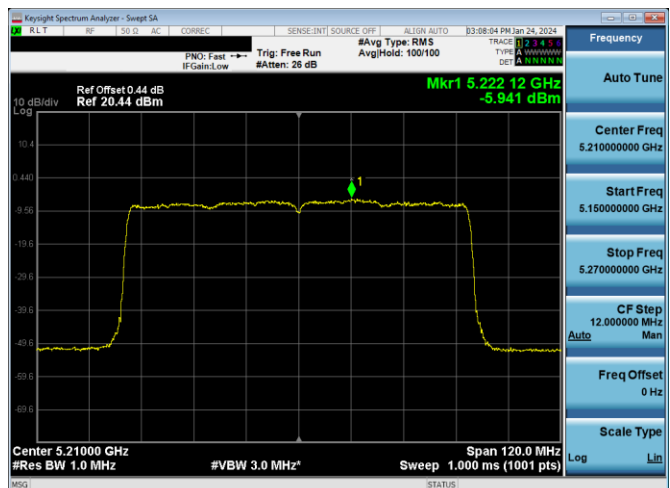
Plot 7-555. ISED SDM PSD Antenna WF7a (40MHz BW 11ax(SU) – Ch.46, MCS11)



Plot 7-558. ISED PSD CDD Antenna WF8 (80MHz BW 11ax (SU) – Ch.42, MCS11)

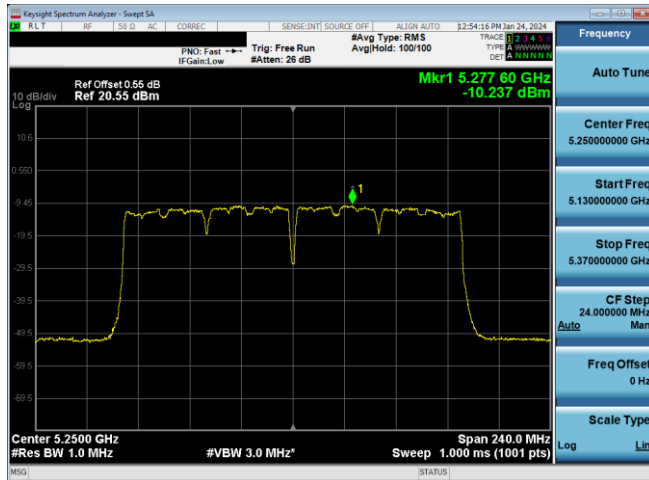


Plot 7-556. ISED PSD CDD Antenna WF8 (80MHz BW 11ac – Ch.42, MCS9)

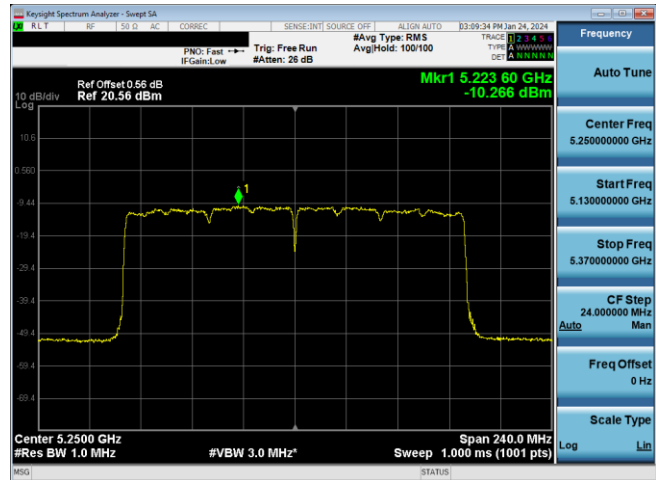


Plot 7-559. ISED PSD CDD Antenna WF7a (80MHz BW 11ax (SU) – Ch.42, MCS11)

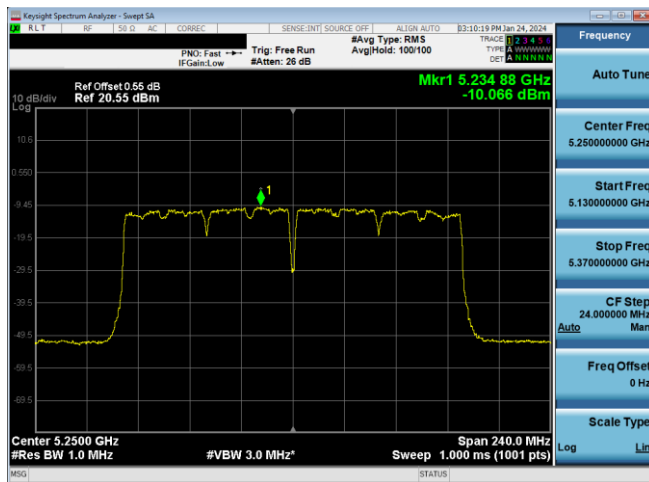
FCC ID: BCGA2902 IC: 79C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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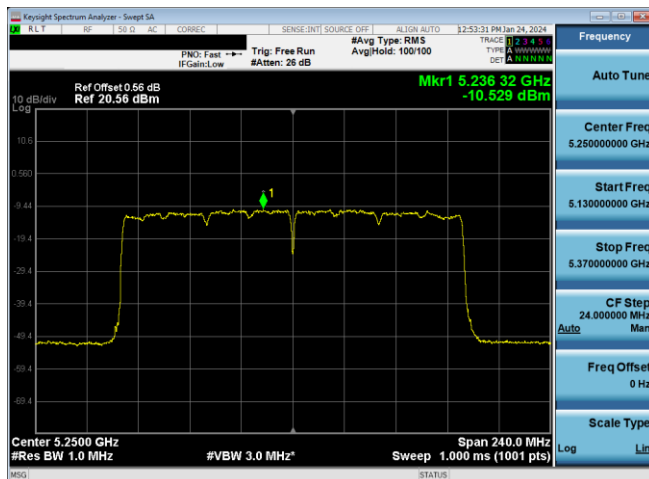
Plot 7-560. ISED PSD CDD Antenna WF8 (160MHz BW 11ac – Ch.50, MCS9)



Plot 7-563. ISED PSD CDD Antenna WF7a (160MHz BW 11ax (SU) – Ch.50,



Plot 7-561. ISED PSD CDD Antenna WF7a (160MHz BW 11ac – Ch.50, MCS9)



Plot 7-562. ISED PSD CDD Antenna WF8 (160MHz BW 11ax (SU) – Ch.50, MCS11)

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## 7.6 Radiated Spurious Emissions – Above 1GHz

§15.407(b) §15.205 §15.209; RSS-Gen [8.9]

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna 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. All channels, modes (e.g. 802.11a, 802.11n, 802.11ax(SU) (20MHz BW), 802.11n, 802.11ax(SU) (40MHz BW), and 802.11ac, 802.11ax(SU) (80MHz), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.***

***For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.***

***For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.***

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-143 per Section 15.209 and RSS-Gen (8.9).***

Frequency	Field Strength [ $\mu$ V/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-143. Radiated Limits

### Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5  
KDB 789033 D02 v02r01 – Section G

### Test Settings

#### Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times \text{span/RBW}$ )
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

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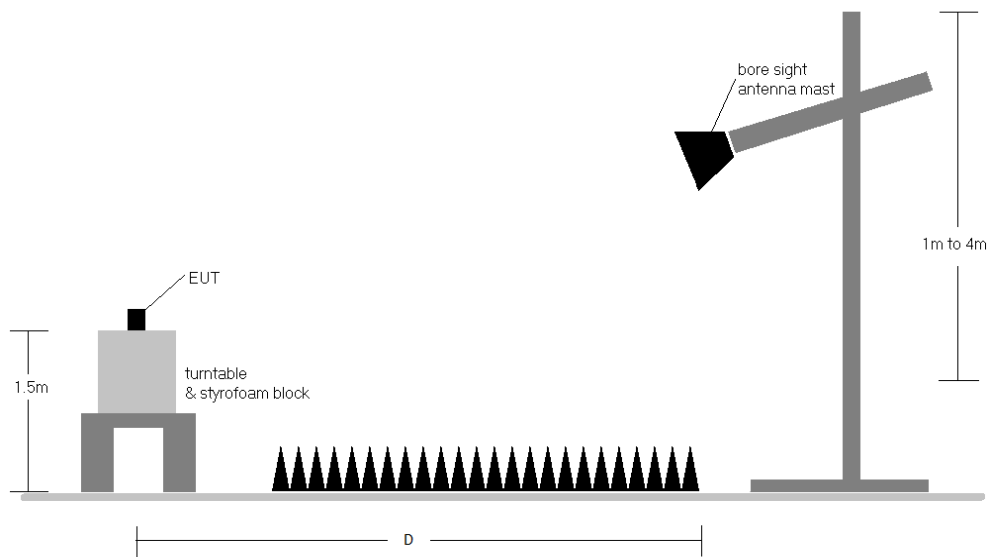
V 10.5 12/15/2021

### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### Test Setup

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



**Figure 7-5. Test Instrument & Measurement Setup**

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**Test Notes**

1. All emissions that lie in the restricted bands (denoted by a \* next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-143.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-143. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. All data rates were investigated and only the worse case is reported
9. The unit was tested with all possible modes and only the highest emission is reported.
10. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

**Sample Calculations**

**Determining Spurious Emissions Levels**

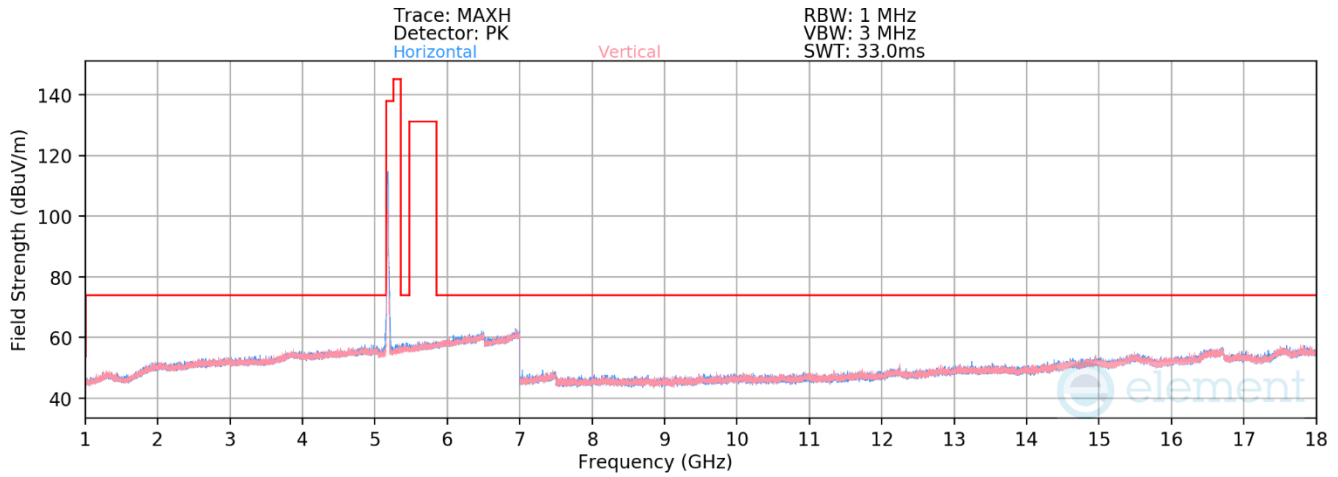
- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dBμV/m] – Limit [dBμV/m]

**Radiated Band Edge Measurement Offset**

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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### 7.6.1 Antenna WF8 Radiated Spurious Emission



**Plot 7-564. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 36)**

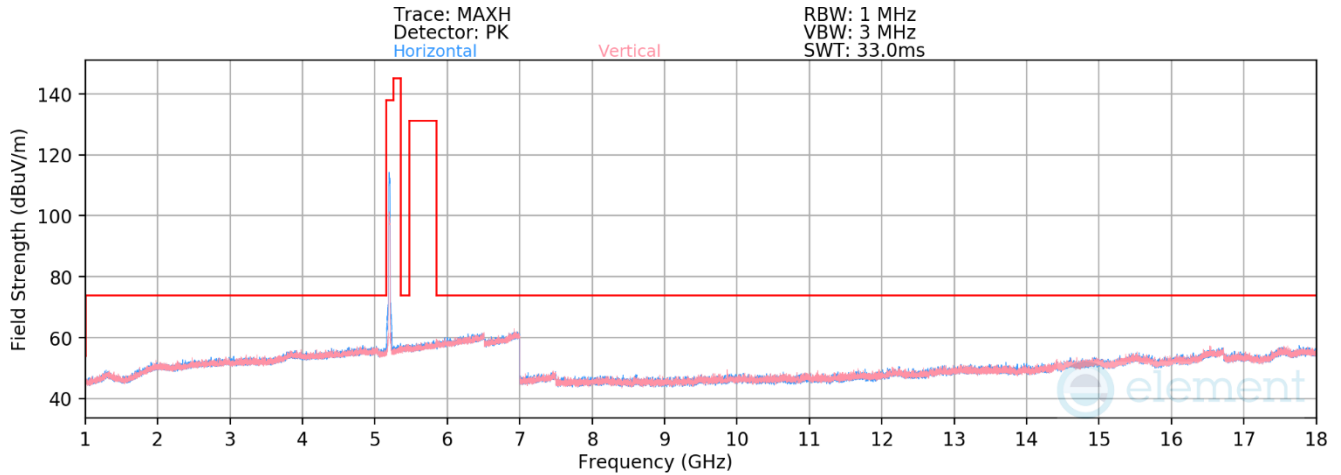
Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5180MHz  
 Channel: 36

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	H	-	-	-69.63	10.20	47.57	68.20	-20.63
* 15540.00	Average	H	-	-	-80.66	16.09	42.43	53.98	-11.55
* 15540.00	Peak	H	-	-	-70.11	16.09	52.98	73.98	-21.00

**Table 7-144. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
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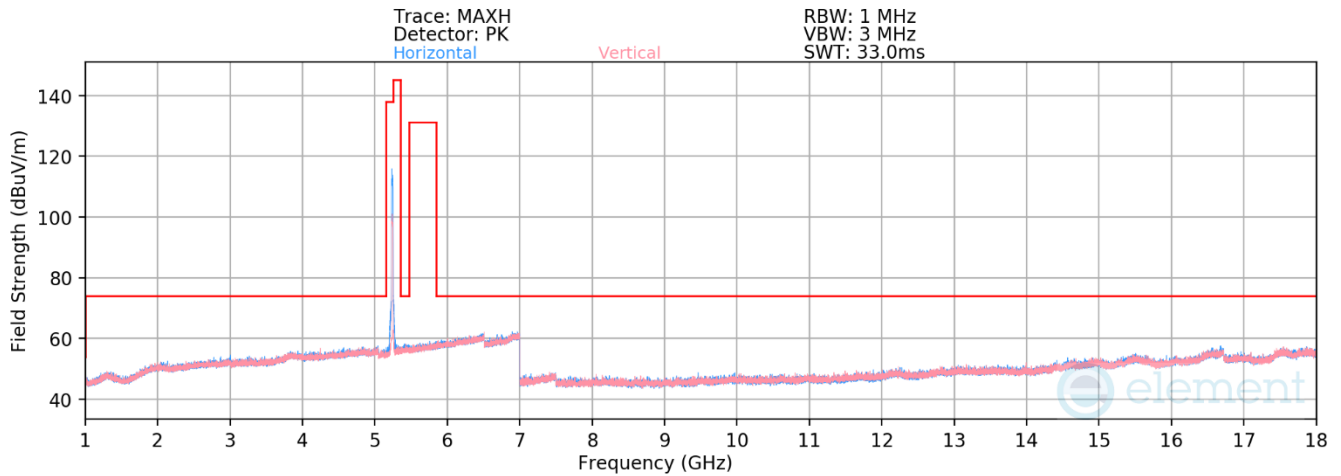
**Plot 7-565. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 40)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	H	-	-	-69.34	9.98	47.64	68.20	-20.56
* 15600.00	Average	H	-	-	-80.64	15.64	42.00	53.98	-11.98
* 15600.00	Peak	H	-	-	-70.05	15.64	52.59	73.98	-21.39

**Table 7-145. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
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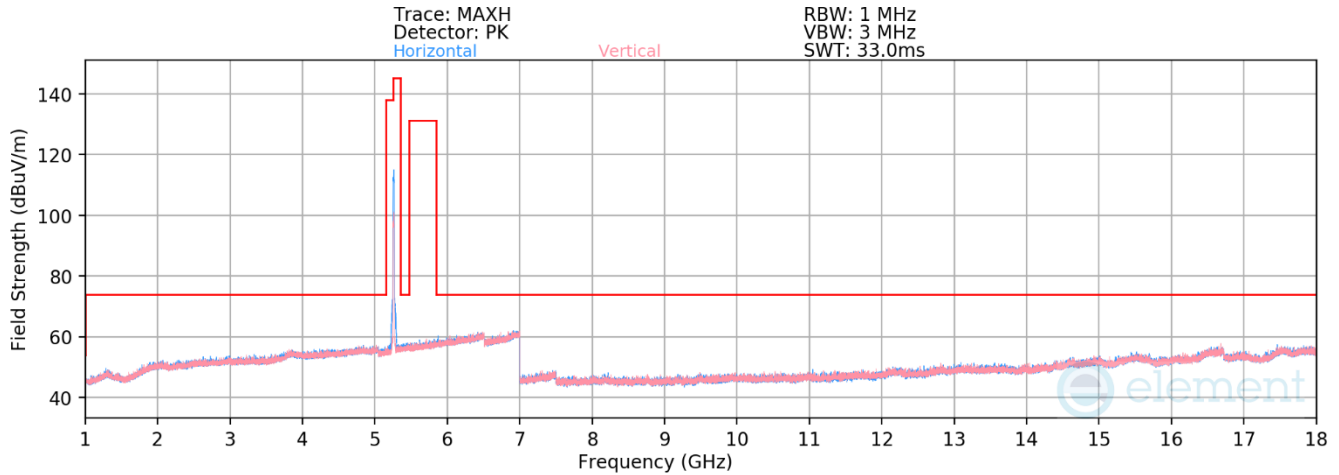
**Plot 7-566. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 48)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5240MHz  
 Channel: 48

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10480.00	Peak	H	-	-	-69.94	10.26	47.32	68.20	-20.88
15720.00	Average	H	-	-	-78.28	15.00	43.72	53.98	-10.26
15720.00	Peak	H	-	-	-67.12	15.00	54.88	73.98	-19.10

**Table 7-146. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
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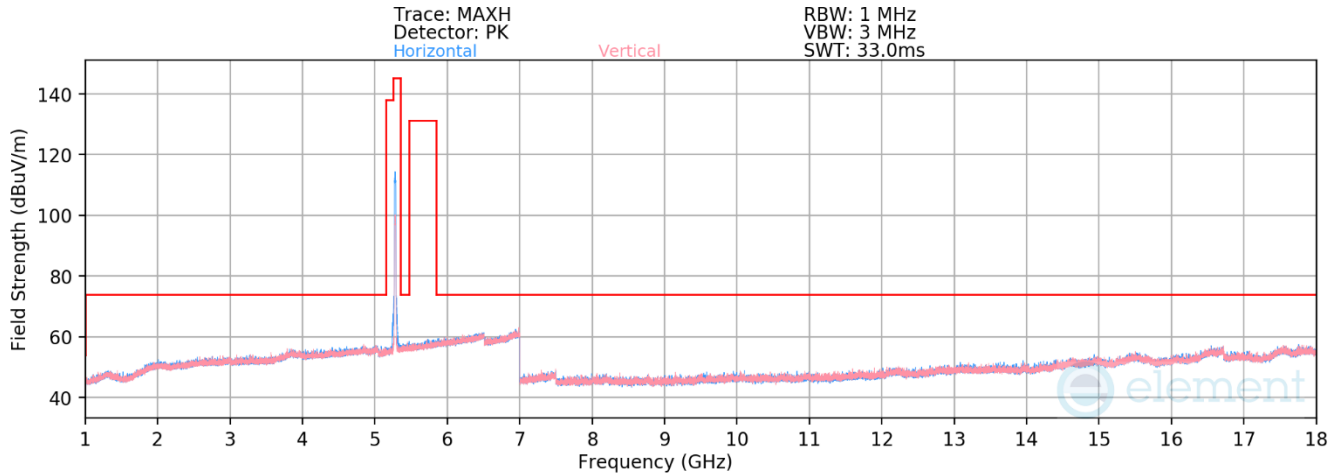
**Plot 7-567. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 52)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5260MHz  
 Channel: 52

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10520.00	Peak	H	-	-	-68.60	10.50	48.90	68.20	-19.30
* 15780.00	Average	H	-	-	-78.25	14.71	43.46	53.98	-10.51
* 15780.00	Peak	H	-	-	-67.65	14.71	54.06	73.98	-19.91

**Table 7-147. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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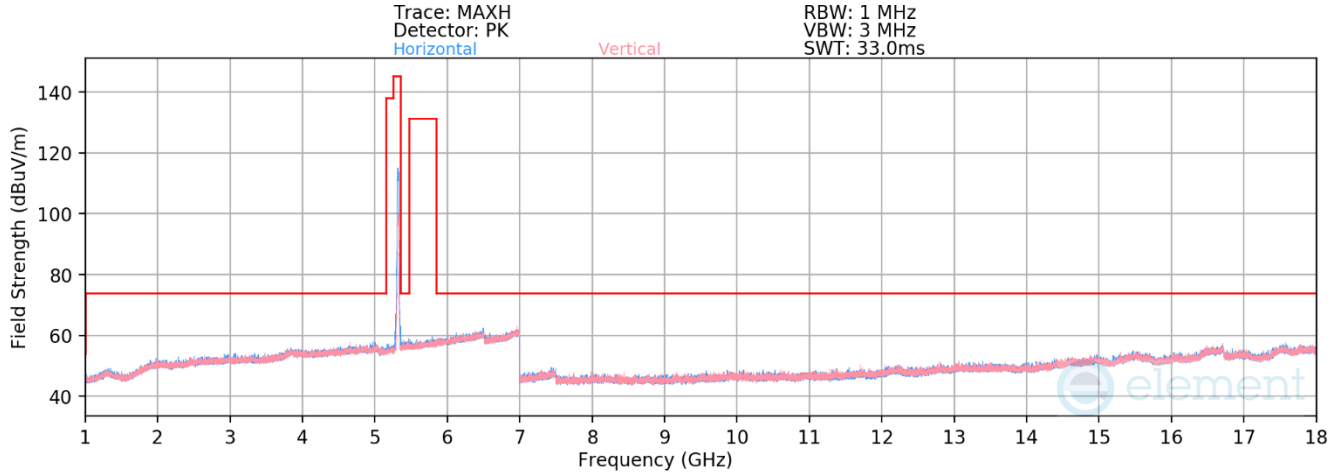
**Plot 7-568. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 56)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5280MHz  
 Channel: 56

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10560.00	Peak	H	-	-	-68.85	10.03	48.18	68.20	-20.02
* 15840.00	Average	H	-	-	-81.07	14.88	40.81	53.98	-13.17
* 15840.00	Peak	H	-	-	-67.55	14.88	54.33	73.98	-19.65

**Table 7-148. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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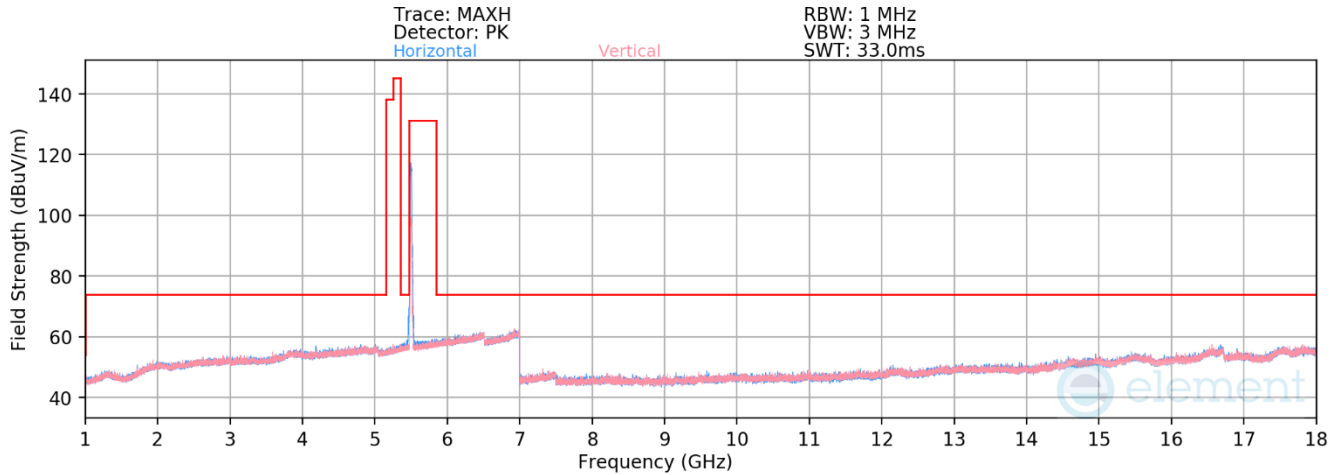
**Plot 7-569. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 64)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5320MHz  
 Channel: 64

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 10640.00	Average	H	-	-	-80.69	10.23	36.54	53.98	-17.44
* 10640.00	Peak	H	-	-	-69.20	10.23	48.03	73.98	-25.95
* 15960.00	Average	H	-	-	-78.14	15.20	44.06	53.98	-9.92
* 15960.00	Peak	H	-	-	-67.13	15.20	55.07	73.98	-18.91

**Table 7-149. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
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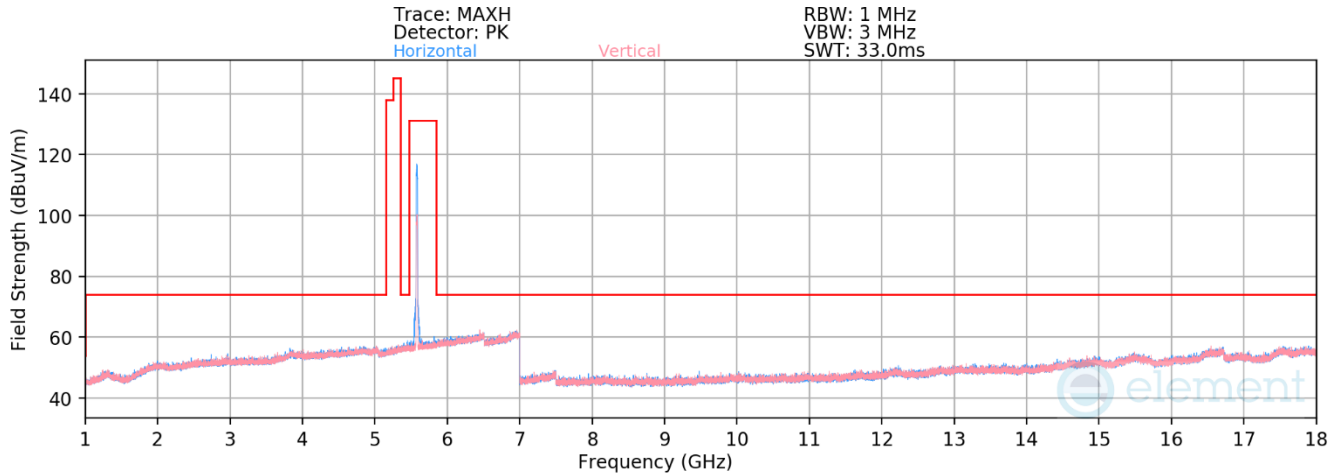
**Plot 7-570. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 100)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5500MHz  
 Channel: 100

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11000.00	Average	H	-	-	-80.66	10.92	37.26	53.98	-16.72
* 11000.00	Peak	H	-	-	-69.65	10.92	48.27	73.98	-25.71
16500.00	Peak	H	-	-	-70.97	17.71	53.74	68.20	-14.46

**Table 7-150. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 195 of 387



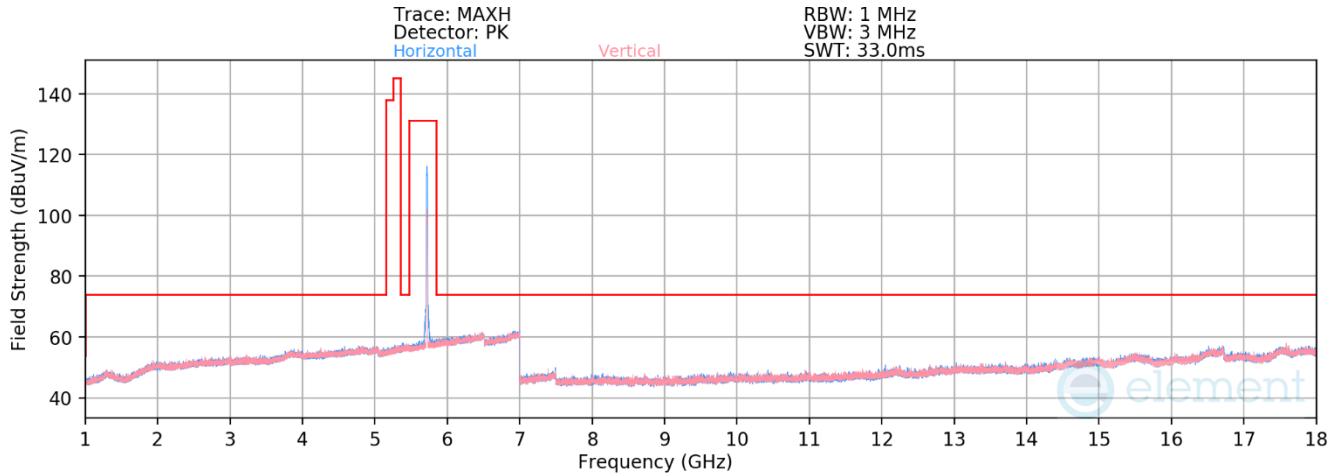
**Plot 7-571. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 116)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5580Hz  
 Channel: 116

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11160.00	Average	H	-	-	-79.74	10.30	37.56	53.98	-16.42
* 11160.00	Peak	H	-	-	-70.07	10.30	47.23	73.98	-26.75
16740.00	Peak	H	-	-	-69.72	17.30	54.58	68.20	-13.62

**Table 7-151. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 196 of 387



**Plot 7-572. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 144)**

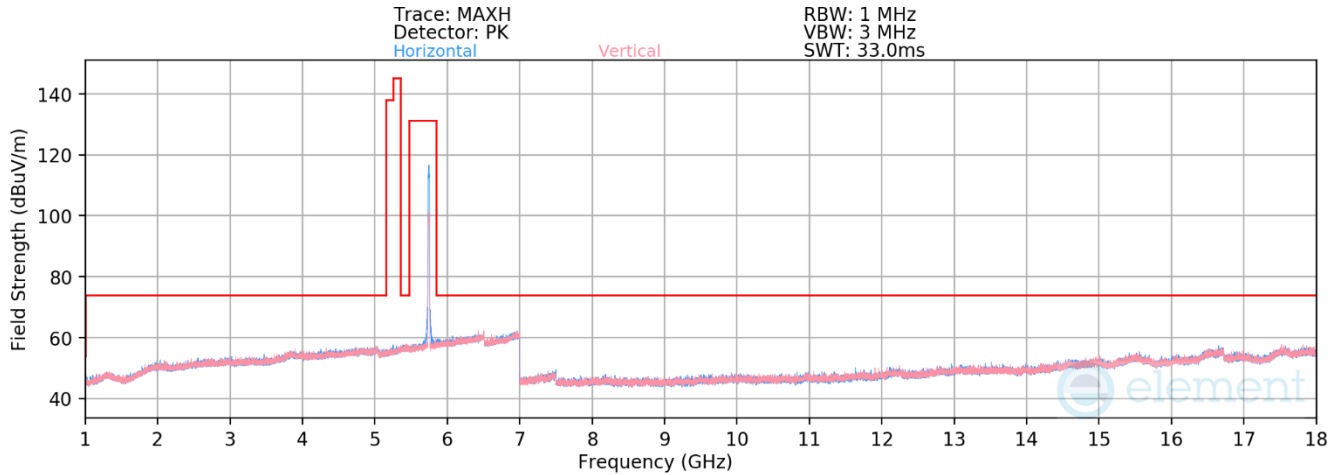
Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5720  
 Channel: 144

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11440.00	Average	H	-	-	-79.04	10.73	38.69	53.98	-15.29
* 11440.00	Peak	H	-	-	-69.69	10.73	48.04	73.98	-25.94
17160.00	Peak	H	-	-	-71.03	18.32	54.29	68.20	-13.91

**Table 7-152. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device		Page 197 of 387





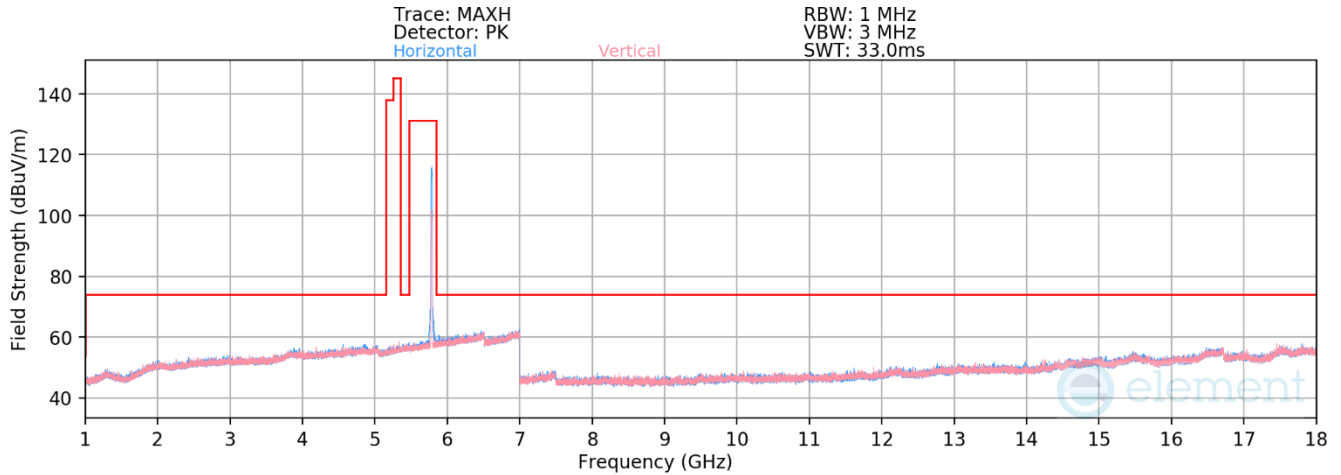
**Plot 7-573. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 149)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5745MHz  
 Channel: 149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11490.00	Average	H	-	-	-80.28	10.78	37.50	53.98	-16.48
* 11490.00	Peak	H	-	-	-69.21	10.78	48.57	73.98	-25.41
17235.00	Peak	H	-	-	-70.53	18.10	54.57	68.20	-13.63

**Table 7-153. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 198 of 387



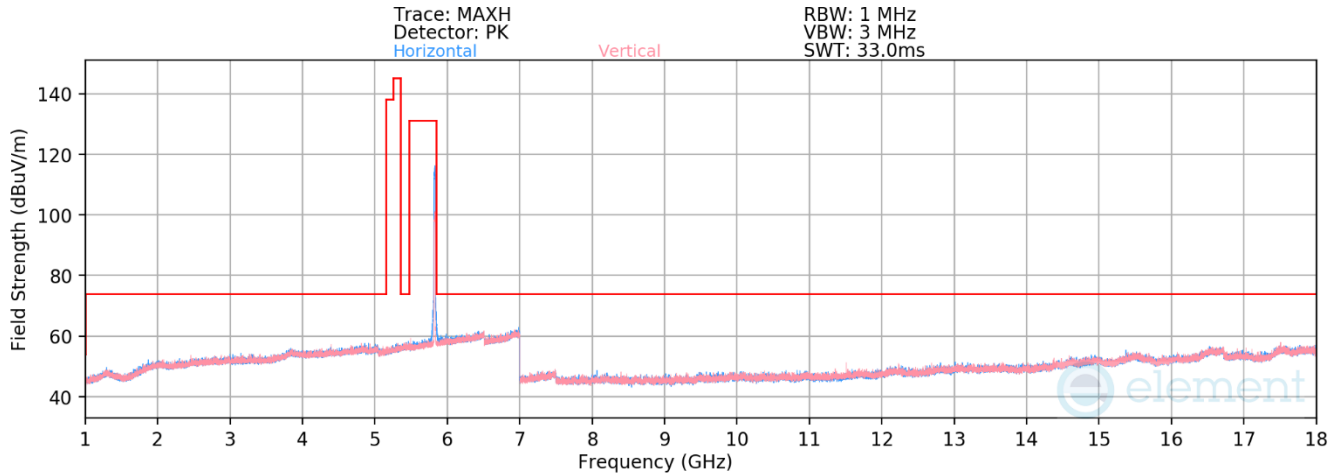
**Plot 7-574. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 157)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5785MHz  
 Channel: 157

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11570.00	Average	H	-	-	-79.98	10.96	37.98	53.98	-16.00
* 11570.00	Peak	H	-	-	-69.41	10.96	48.55	73.98	-25.43
17355.00	Peak	H	-	-	-70.75	18.81	55.06	68.20	-13.14

**Table 7-154. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 199 of 387



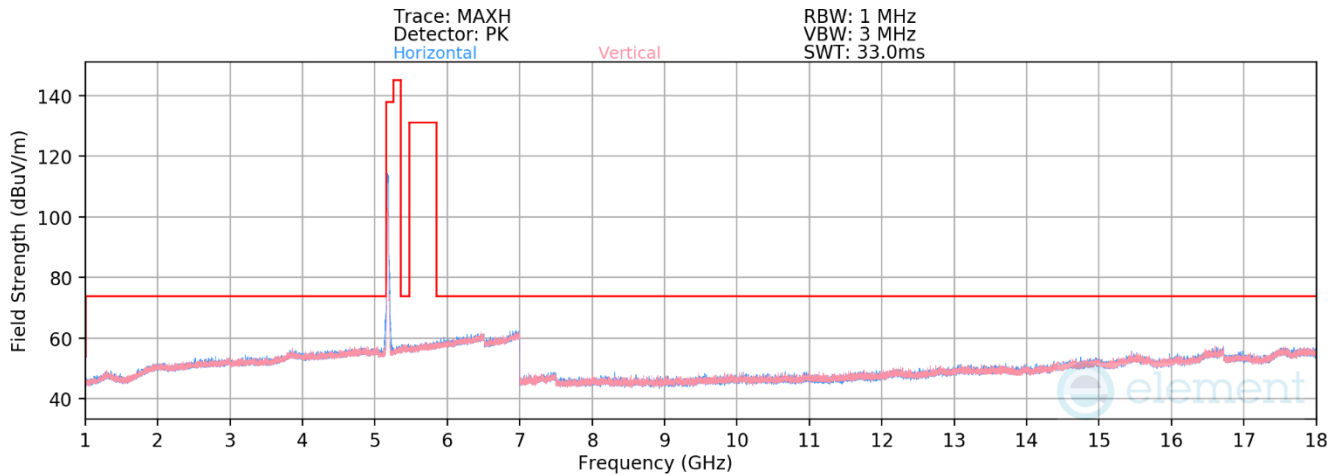
**Plot 7-575. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11n – Ch. 165)**

Mode: 802.11n  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5825MHz  
 Channel: 165

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11650.00	Average	H	-	-	-80.15	11.08	37.93	53.98	-16.05
* 11650.00	Peak	H	-	-	-69.35	11.08	48.73	73.98	-25.25
17475.00	Peak	H	-	-	-71.95	21.09	56.14	68.20	-12.06

**Table 7-155. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 200 of 387



**Plot 7-576. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax(SU) – Ch. 36)**

Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5180MHz  
 Channel: 36

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	H	-	-	-69.00	10.20	48.20	68.20	-20.00
* 15540.00	Average	H	-	-	-81.13	16.09	41.96	53.98	-12.02
* 15540.00	Peak	H	-	-	-69.51	16.09	53.58	73.98	-20.40

**Table 7-156. Radiated Measurements Antenna WF8**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270063-11.BCG	Test Dates: 11/29/2023 - 1/15/2024	EUT Type: Tablet Device	Page 201 of 387