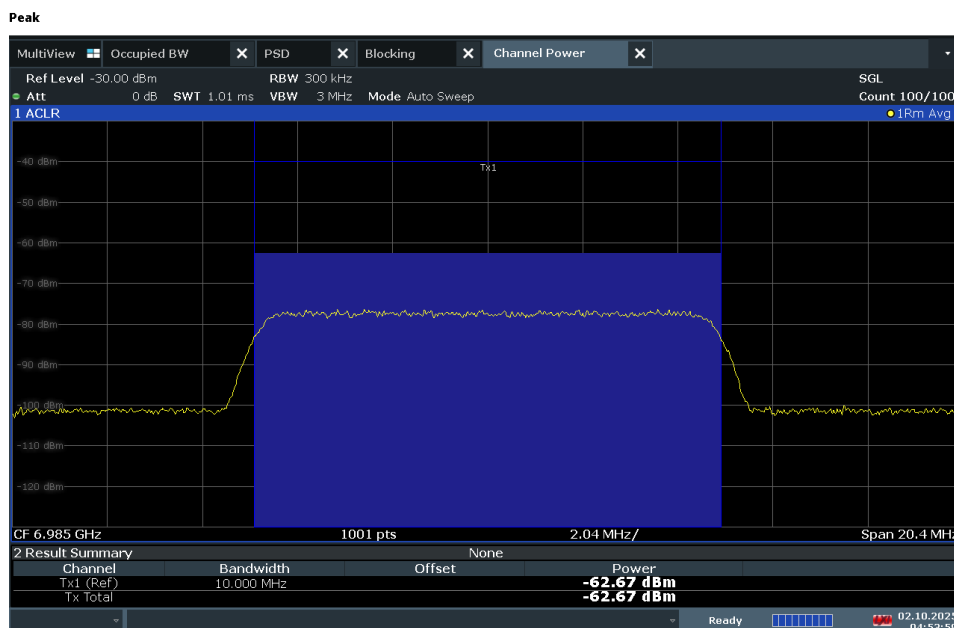
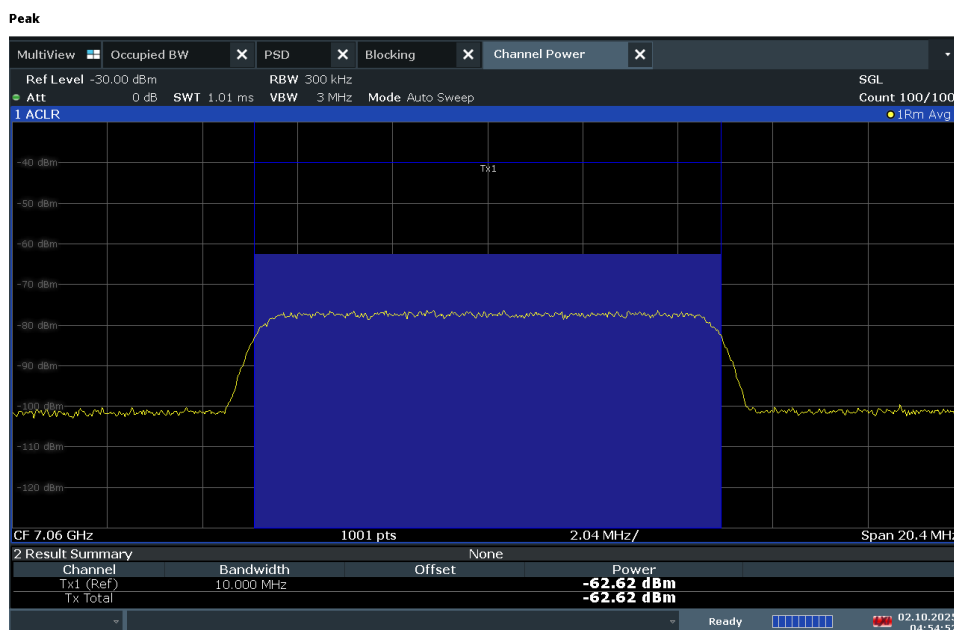




04:53:59 02.10.2025

Plot 7-191. Channel Power – UNII 8 – 160MHz – Mid



04:54:52 02.10.2025

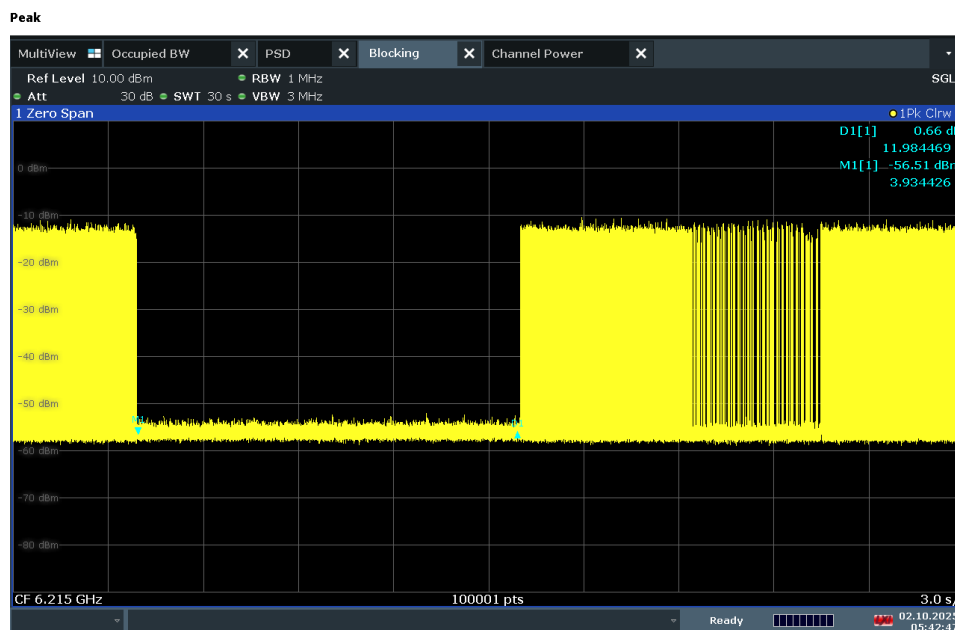
Plot 7-192. Channel Power – UNII 8 – 160MHz - High

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG		Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 85 of 145

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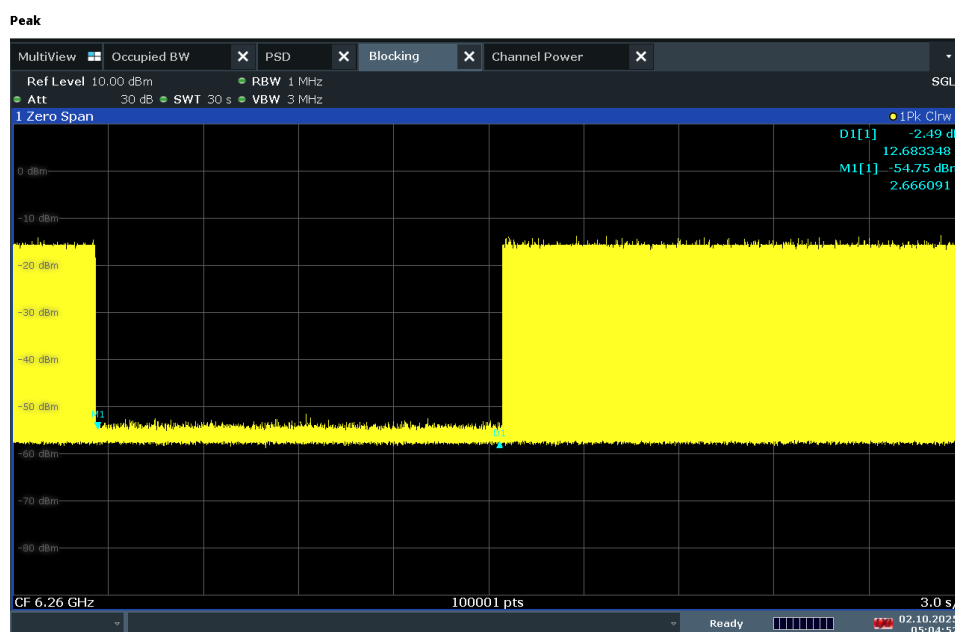
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Contention-Based Protocol Timing Plots



05:42:47 02.10.2025

Plot 7-193. Contention Based Protocol Timing Plot – UNII 5 – 20MHz Channel 53



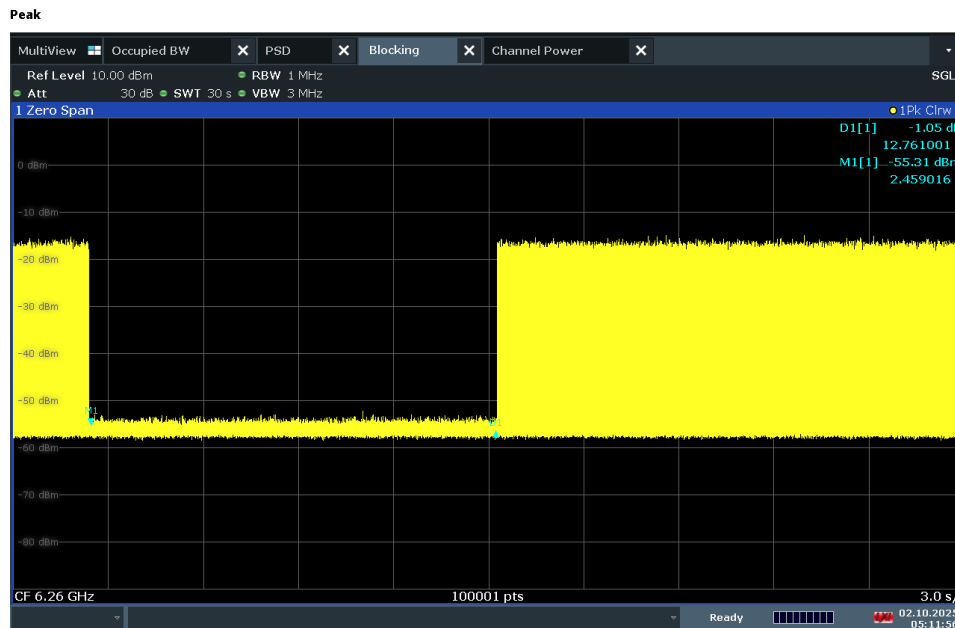
05:04:52 02.10.2025

Plot 7-194. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Low

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 86 of 145

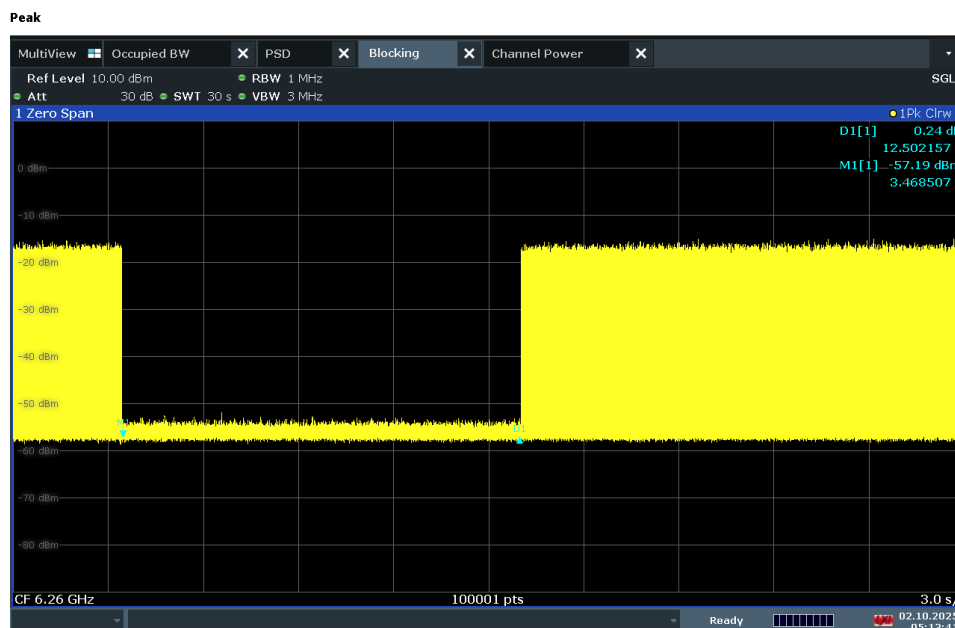
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05:11:57 02.10.2025

Plot 7-195. Contention Based Protocol Timing Plot –UNII 5 – 160MHz Channel 47 – Mid



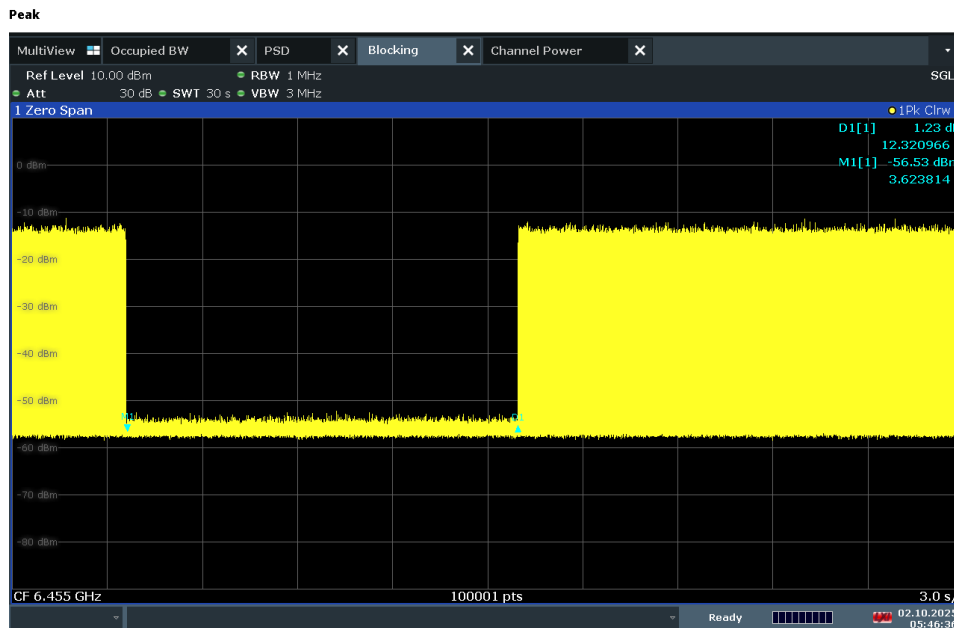
05:13:41 02.10.2025

Plot 7-196. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – High

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 87 of 145

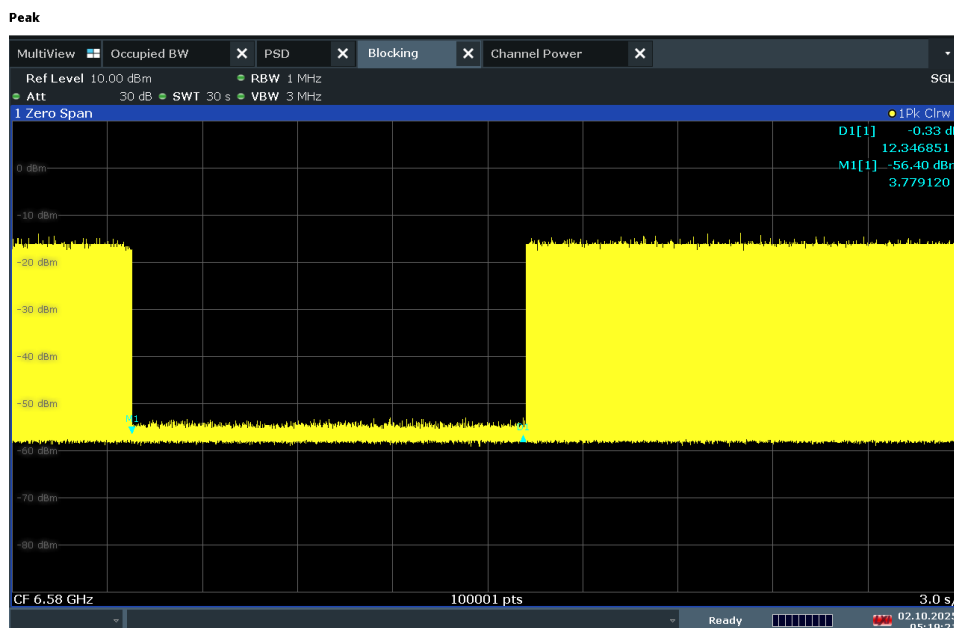
V 11.0 05/2025

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05:46:37 02.10.2025

Plot 7-197. Contention Based Protocol Timing Plot – UNII 6 – 20MHz Channel 101



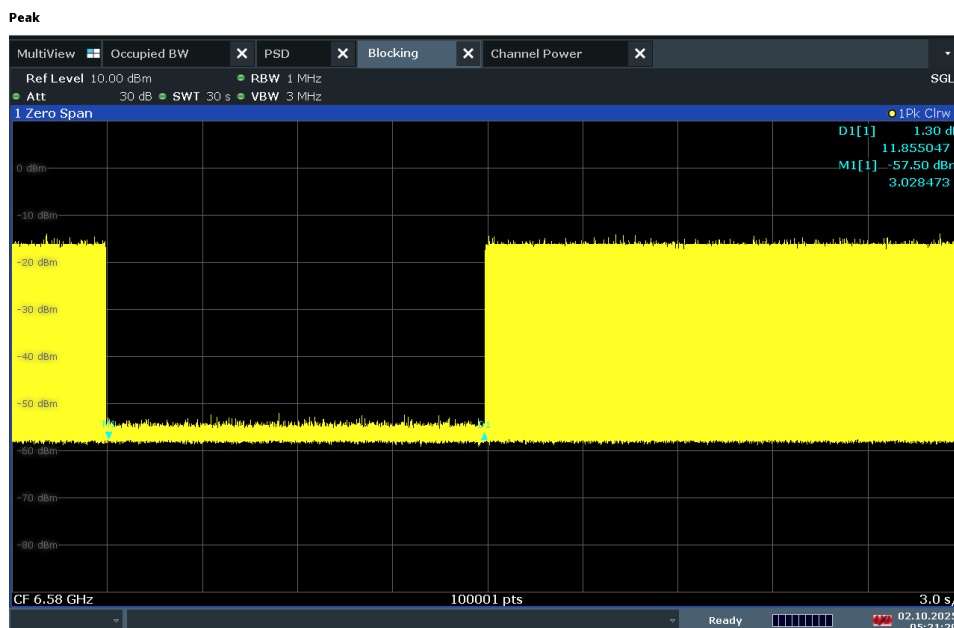
05:19:22 02.10.2025

Plot 7-198. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Low

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 88 of 145

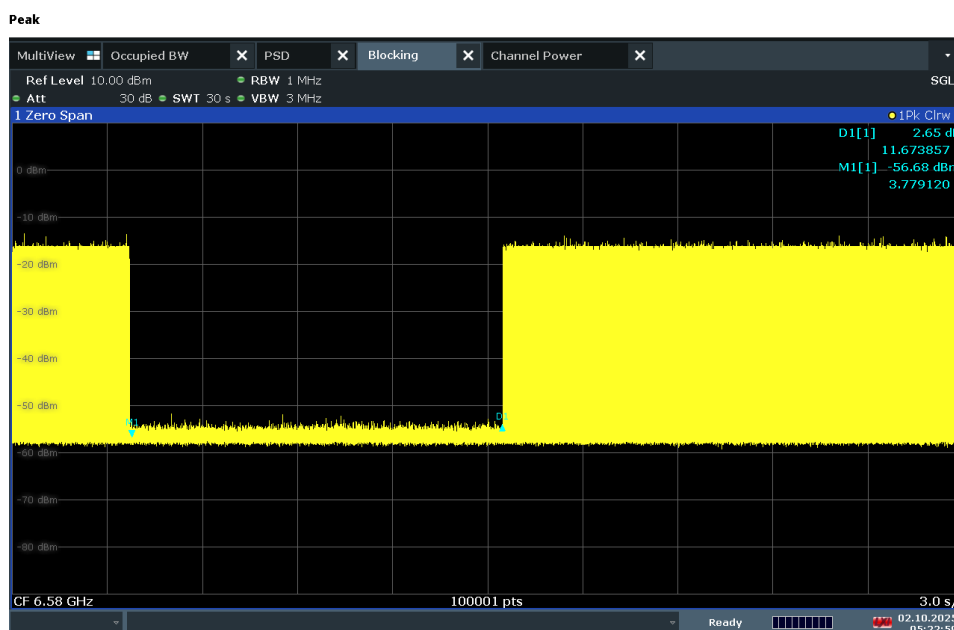
V 11.0 05/2025

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05:21:29 02.10.2025

Plot 7-199. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Mid



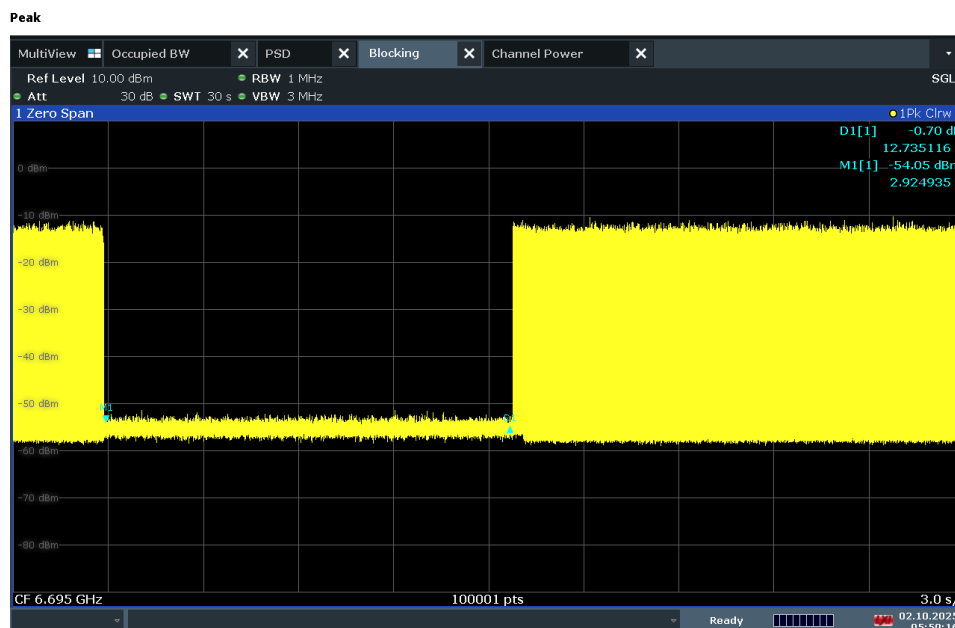
05:23:00 02.10.2025

Plot 7-200. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – High

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 89 of 145

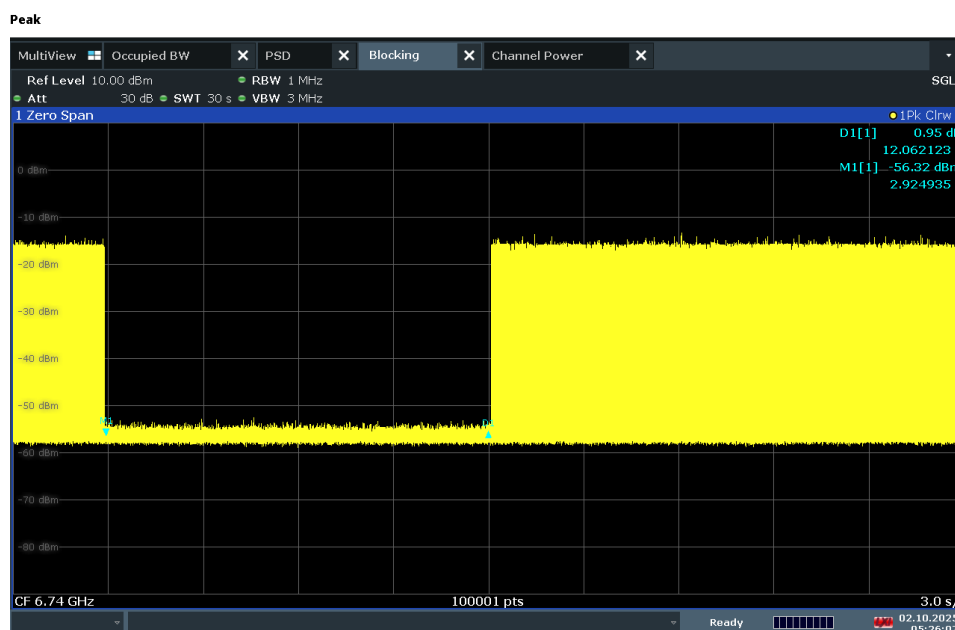
V 11.0 05/2025

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05:50:16 02.10.2025

Plot 7-201. Contention Based Protocol Timing Plot – UNII 7 – 20MHz Channel 149



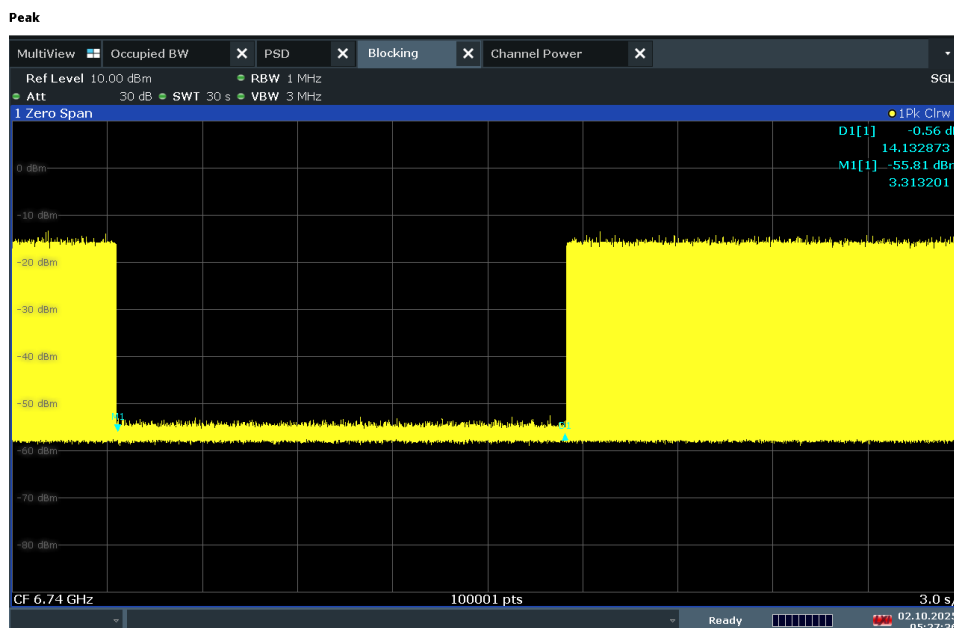
05:26:08 02.10.2025

Plot 7-202. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Low

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 90 of 145

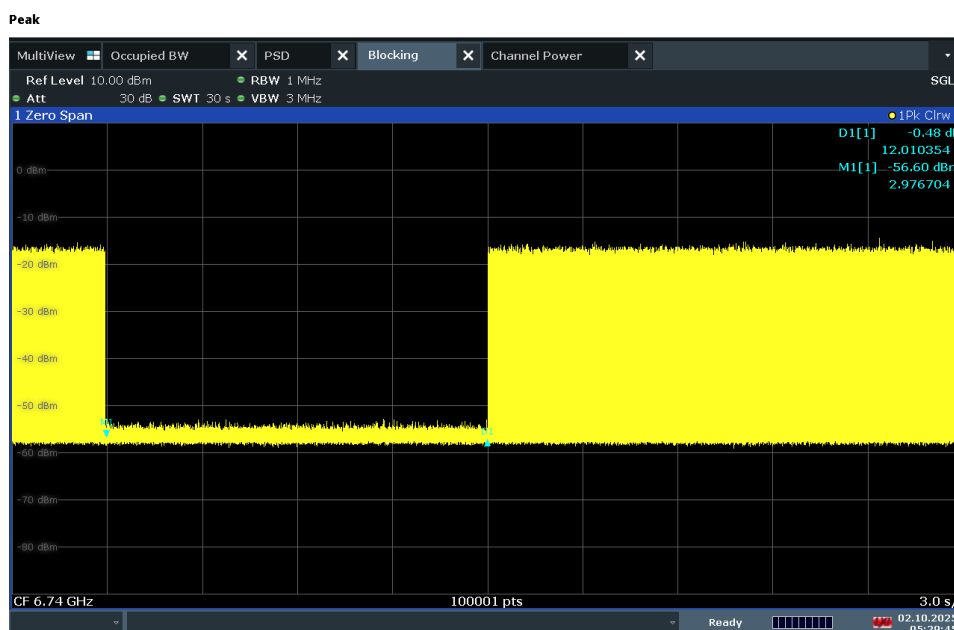
V 11.0 05/2025

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05:27:37 02.10.2025

Plot 7-203. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Mid



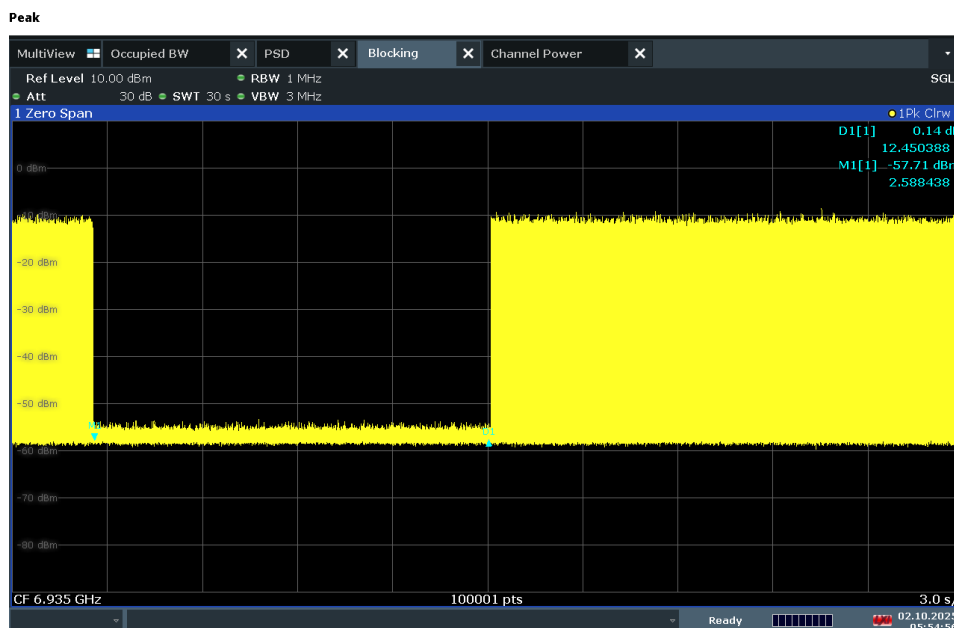
05:29:46 02.10.2025

Plot 7-204. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – High

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 91 of 145

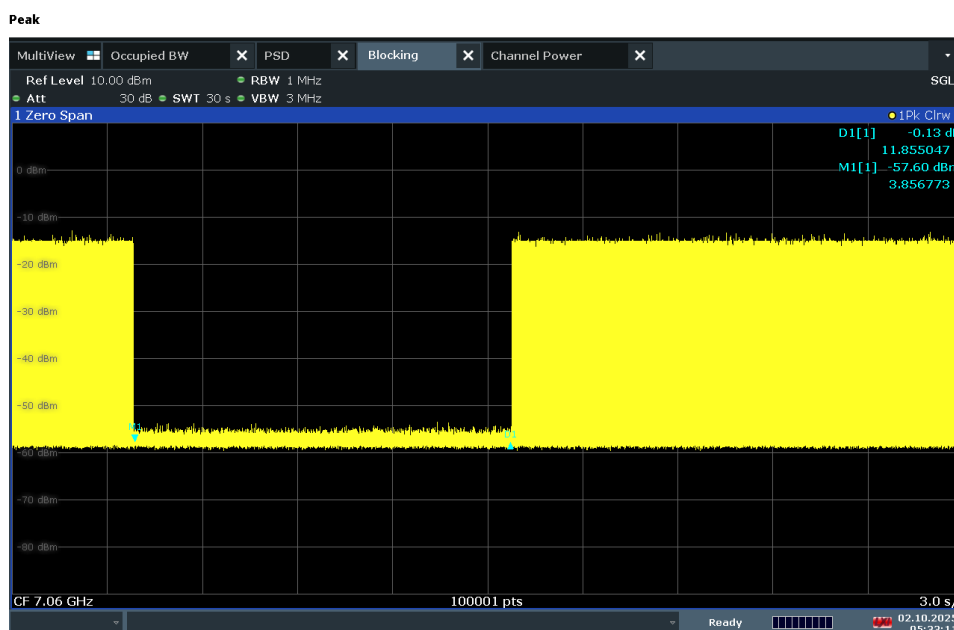
V 11.0 05/2025

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05:54:56 02.10.2025

Plot 7-205. Contention Based Protocol Timing Plot – UNII 8 – 20MHz Channel 197



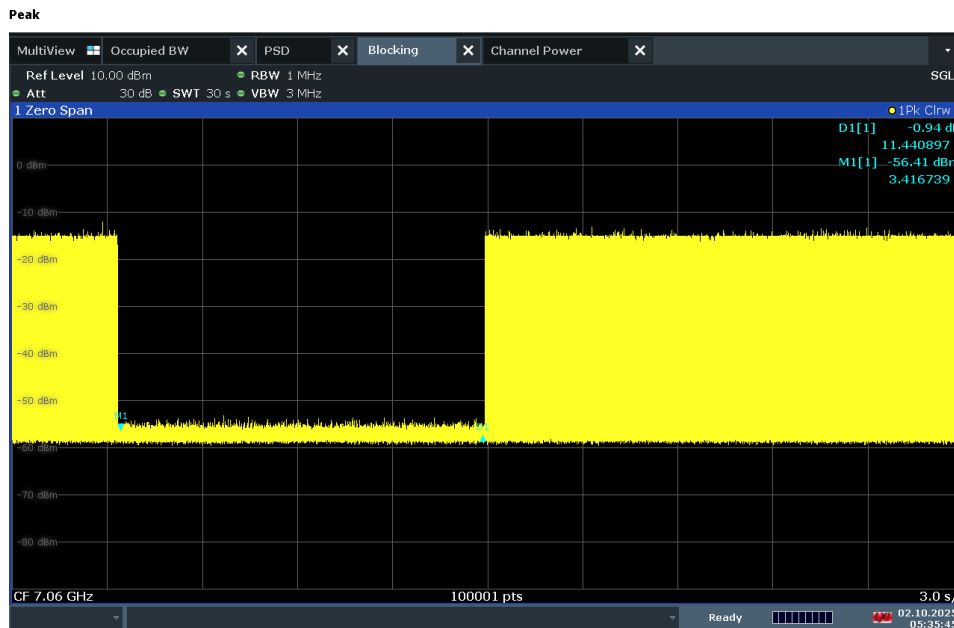
05:33:11 02.10.2025

Plot 7-206. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Low

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 92 of 145

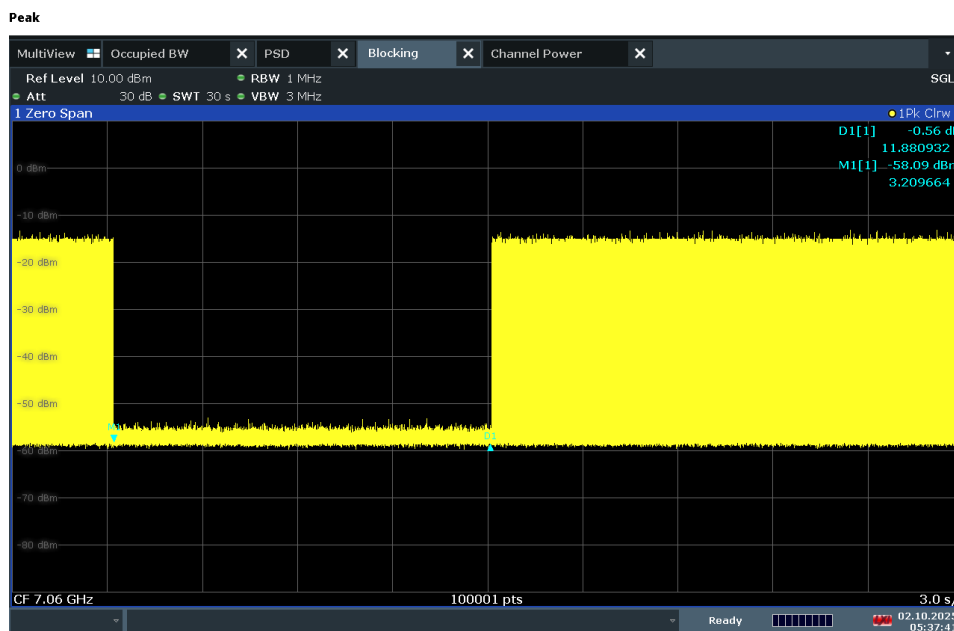
V 11.0 05/2025

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05:35:45 02.10.2025

Plot 7-207. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Mid



05:37:42 02.10.2025

Plot 7-208. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – High

FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 93 of 145

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CBP Bandwidth Reduction Plots



22:23:18 04.12.2025

Plot 7-209. 160MHz Bandwidth, AWGN Signal Injected – 6110Mhz



20:33:00 04.12.2025

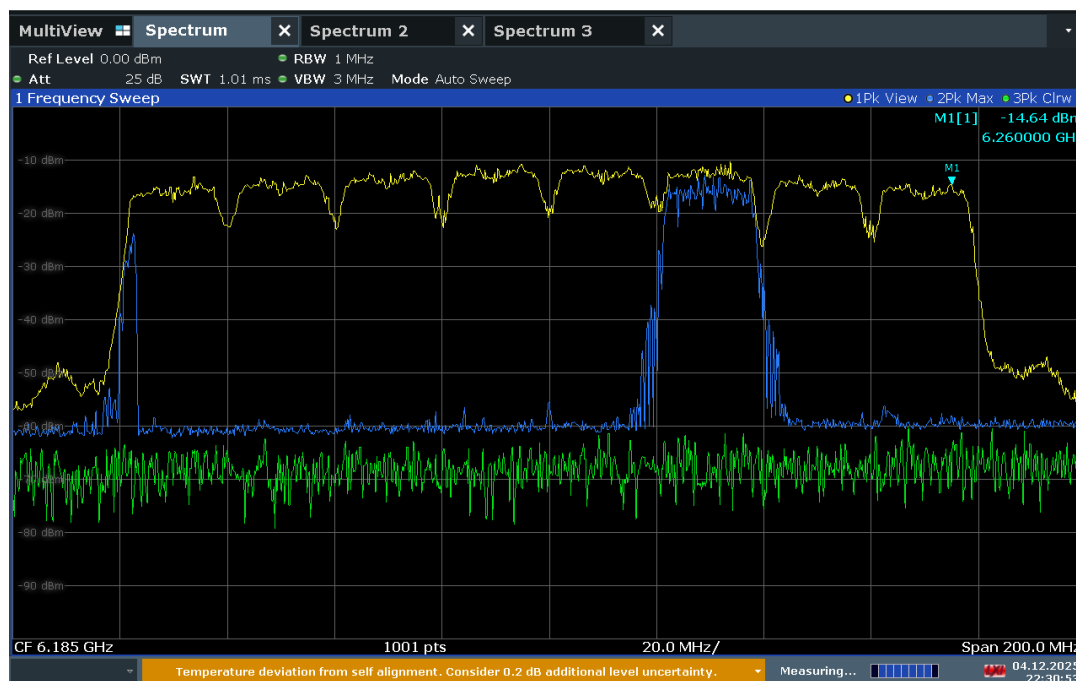
Plot 7-210. 160MHz Bandwidth, AWGN Signal Injected – 6185MHz

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 94 of 145

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Peak



22:30:54 04.12.2025

Plot 7-211. 160MHz Bandwidth, AWGN Signal Injected – 6260MHz

FCC ID: BCGA3459 IC: 579C-A3459			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device		Page 95 of 145

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7.7 Transmit Power Control (TPC)

§15.407(d)(10); RSS-248[4.5.6]

Test Overview and Limit

Very low power devices operating in the 5.925-6.425 and 6.525-6.875 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

Test Procedure Used

ANSI C63.10:2020 + COR. 1:2023 + C63.10A:2024 + ERRATA TO C63.10A:2024 – Section 12.4.2.6
KDB 789033 D02 v02r01 – Section F

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal.
3. Set sweep trigger to “free run.”
4. Set RBW = 1 MHz
5. Set VBW $\geq$ 3 MHz
6. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
7. Sweep time $\leq (\text{number of points in sweep}) \times T$, where T is defined
8. Detector = power averaging (rms).
9. Trace mode = max hold.
10. Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

Test Setup

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

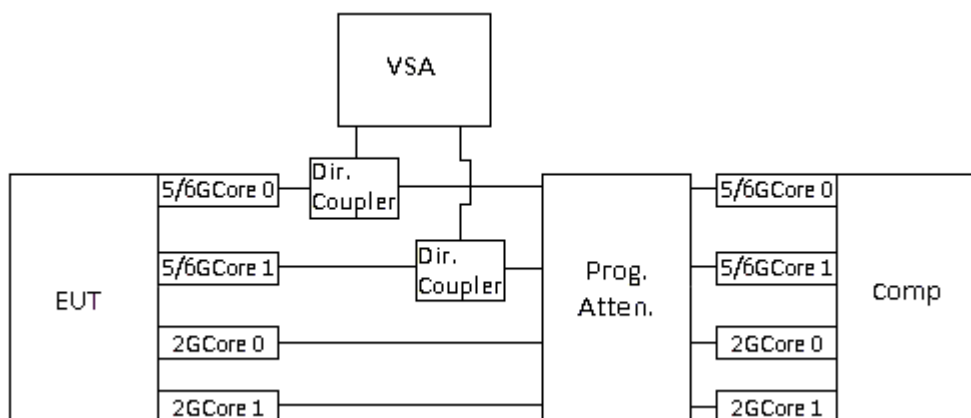


Figure 7-6. Test Instrument & Measurement Setup

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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This test demonstrates the ability of the device to increase and decrease power by the required 6dB as the RSSI is decreased and increased.

1. Configure EUT and companion device for peer-to-peer communication as shown in Figure 7-6.
2. Set variable attenuator to 0dB (noise free spectral environment, high RSSI simulation)
3. Establish a link and start communication between EUT and companion device
4. Capture PSD on spectrum analyzer
5. Set attenuator to 20dB (noisy spectral environment, low RSSI simulation)
6. Capture PSD on spectrum analyzer
7. Compare the highest PSD captured in step 4 to the highest PSD on step 6 and determine the delta.

Test Notes

1. The companion device used was model: A3461 (refer to Table 2-10)
2. Per manufacturer's declaration, after establishing communication between the EUT and the companion device, 6GHz UNII signal was used to maintain communication and traffic.
3. TPC is triggered when a high RSSI is detected. As RSSI detected signal decreases, the transmitters output power will increase back to maximum allowed power.

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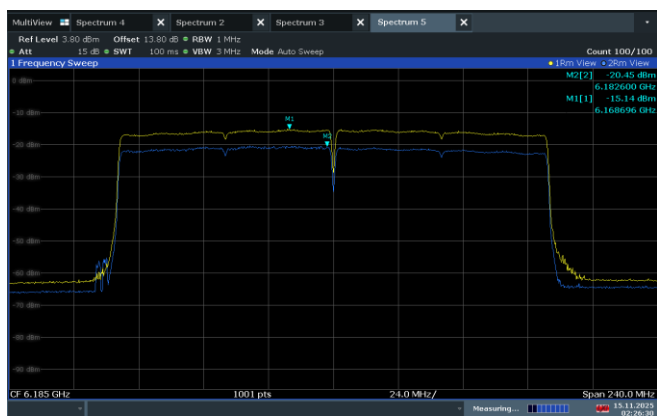
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BW [MHz]	Frequency [MHz]	MIMO		Summed Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	e.i.r.p. Power Density Limit [dBm/MHz]	Pass/Fail
		Measured Power Density [dBm/MHz]						
		Antenna WF8	Antenna WF7A					
160	6185	-15.14	-15.1	-12.11	3.46	-8.65	-5.00	Pass

Table 7-28. PSD Measurements (No TPC)

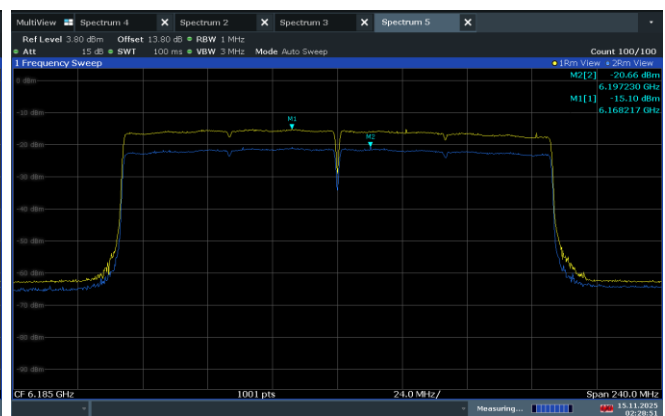
BW [MHz]	Frequency [MHz]	MIMO		Summed Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	e.i.r.p. Power Density Limit [dBm/MHz]	Pass/Fail
		Measured Power Density [dBm/MHz]						
		Antenna WF8	Antenna WF7A					
160	6185	-20.45	-20.66	-17.54	3.46	-14.08	-11.00	Pass

Table 7-29. PSD Measurements (with TPC)



02:28:31 15.11.2025

Plot 7-212. 160MHz Bandwidth – 6185MHz Antenna WF8



02:28:51 15.11.2025

Plot 7-213. 160MHz Bandwidth – 6185MHz Antenna WF7a

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.8 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 C63.10:2020 + COR. 1:2023 + C63.10A:2024 + ERRATA TO C63.10A:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11be(SU) (20MHz BW), 802.11be(SU) (40MHz BW), 802.11be(SU) (80MHz), 802.11be(SU) (160MHz) and modulations/data rates were investigated among the 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 5.925-7.125 GHz band: All emissions outside of the 5.925-7.125 GHz band shall not exceed an EIRP of –27 dBm/MHz. Emissions found in a restricted band are subject to the limits of 15.209 and RSS-Gen (8.9) as shown in the table below.

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-30. Radiated Limits

Test Procedures Used

ANSI C63.10:2020 + COR. 1:2023 + C63.10A:2024 + ERRATA TO C63.10A:2024 – Sections 12.7.7, 12.7.6.
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

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

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Test Setup

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

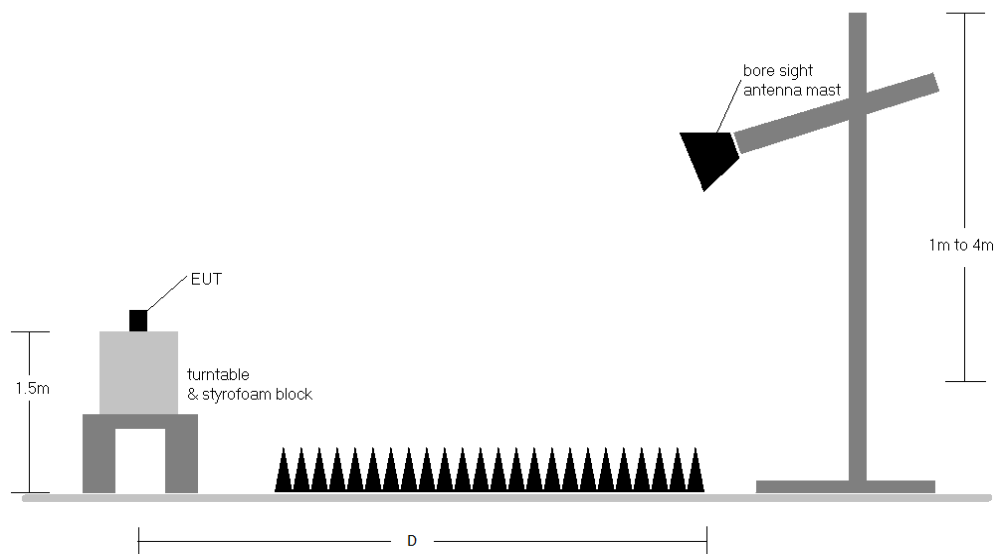


Figure 7-7. Test Instrument & Measurement Setup

FCC ID: BCGA3459 IC: 579C-A3459			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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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 7-30.
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 7-30. All spurious emissions that do not lie in a restricted band are subject to a limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 68.2dB μ V/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.
11. All radiated measurements were tested at the highest supported power setting per band.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dB μ V/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 [dB μ V/m] – Limit [dB μ V/m]

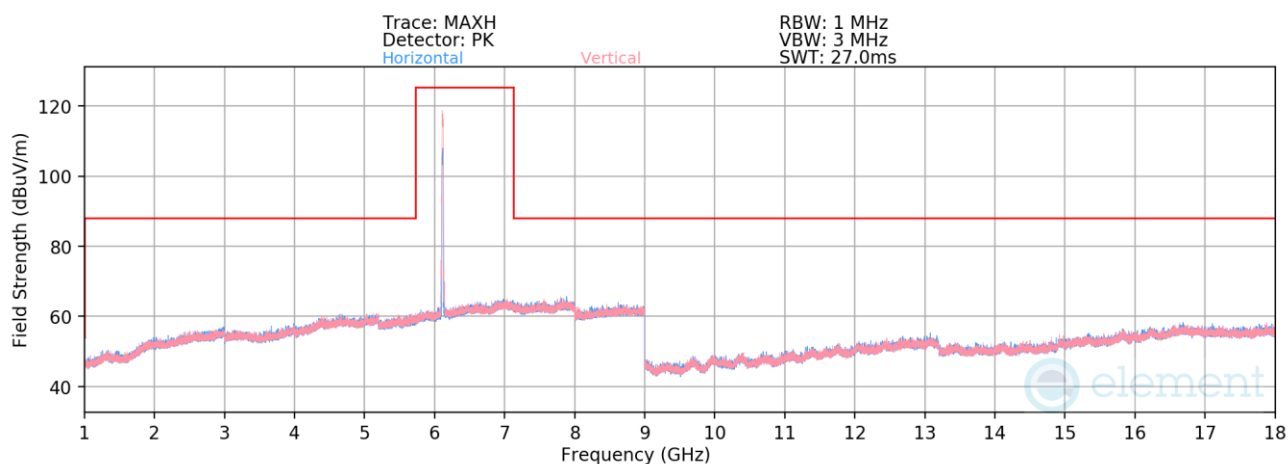
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.8.2 to 7.8.13 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.8.1 SDM Radiated Spurious Emission



Plot 7-214. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 33)

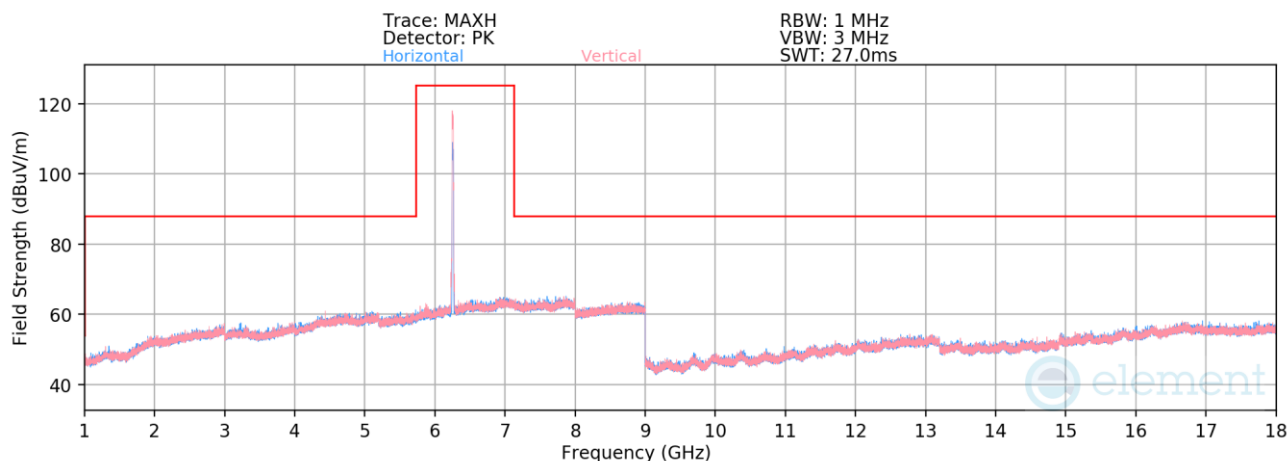
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6115MHz
Channel:	33

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	12230.00	Average	H	-	-	-84.21	17.65	40.44	53.98	-13.54
*	12230.00	Peak	H	-	-	-73.36	17.65	51.29	73.98	-22.69

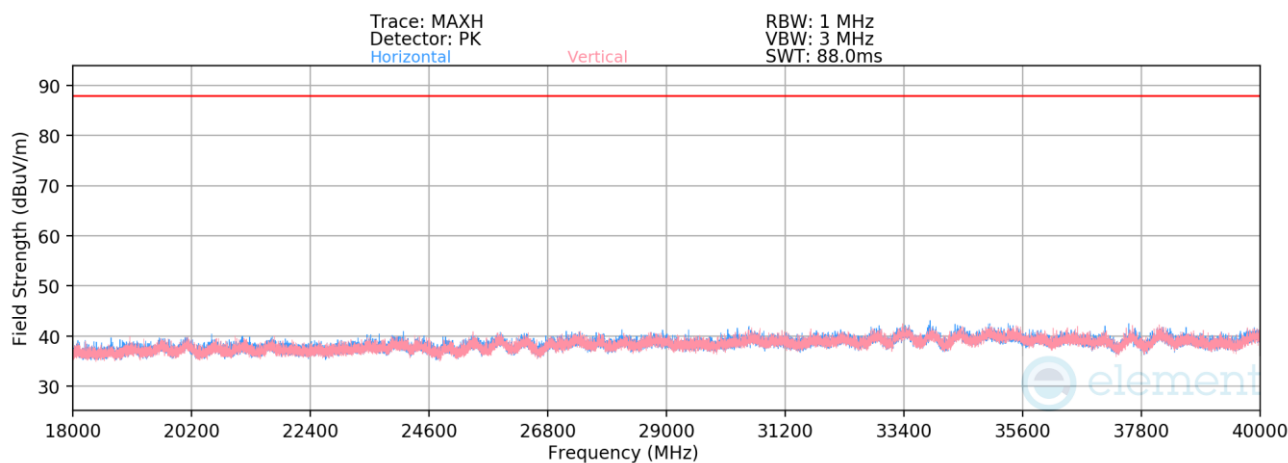
Table 7-31. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 102 of 145

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Plot 7-215. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 61)



Plot 7-216. Radiated Spurious Emissions 18-40GHz SDM (802.11be – Ch. 61)

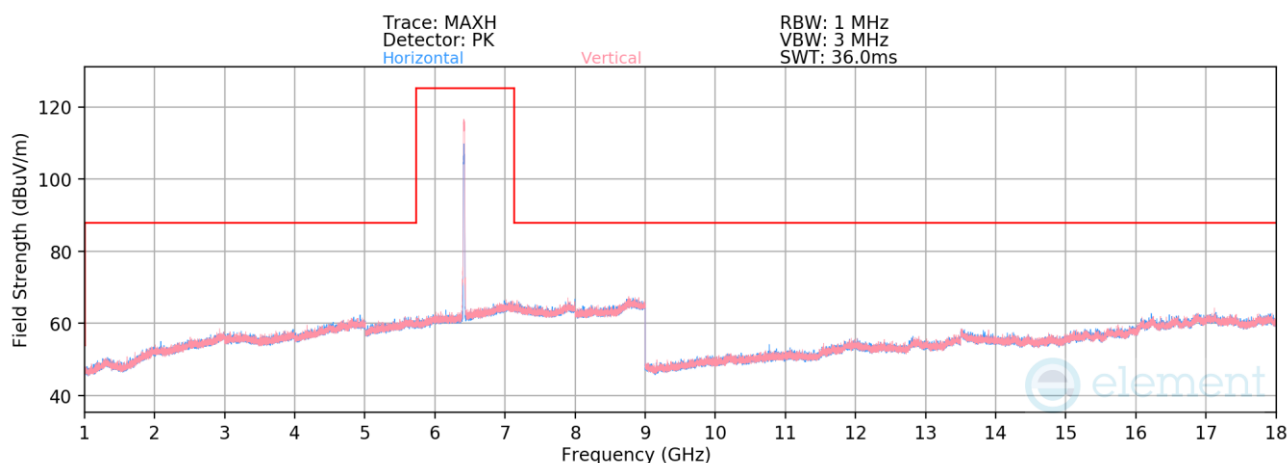
Mode: 802.11be
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6255MHz
Channel: 61

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 12510.00	Average	V	-	-	-84.72	18.04	0.00	40.31	53.98	-13.67
* 12510.00	Peak	V	-	-	-73.79	18.04	0.00	51.25	73.98	-22.73
* 18765.00	Average	V	-	-	-62.10	-7.31	-9.54	28.04	73.98	-45.94
* 18765.00	Peak	V	-	-	-50.66	-7.31	-9.54	39.48	53.98	-14.50
25020.00	Average	V	-	-	-63.12	-6.62	-9.54	27.72	68.20	-40.48
25020.00	Peak	V	-	-	-51.81	-6.62	-9.54	39.03	88.23	-49.20
* 31275.00	Average	V	-	-	-65.47	-3.26	-9.54	28.73	53.98	-25.25
* 31275.00	Peak	V	-	-	-54.45	-3.26	-9.54	39.75	73.98	-34.23

Table 7-32. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 103 of 145

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Plot 7-217. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 93)

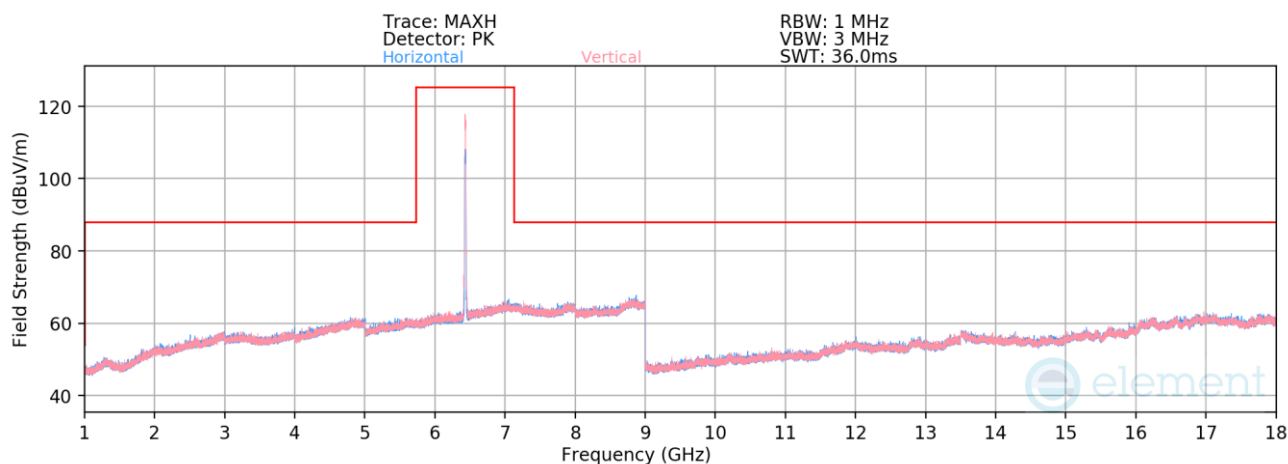
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6415MHz
Channel:	93

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]
12830.00	Average	V	-	-	-84.52	22.09	44.57	68.23	-23.66
12830.00	Peak	V	-	-	-72.71	22.09	56.38	88.23	-31.85

Table 7-33. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 104 of 145

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Plot 7-218. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 97)

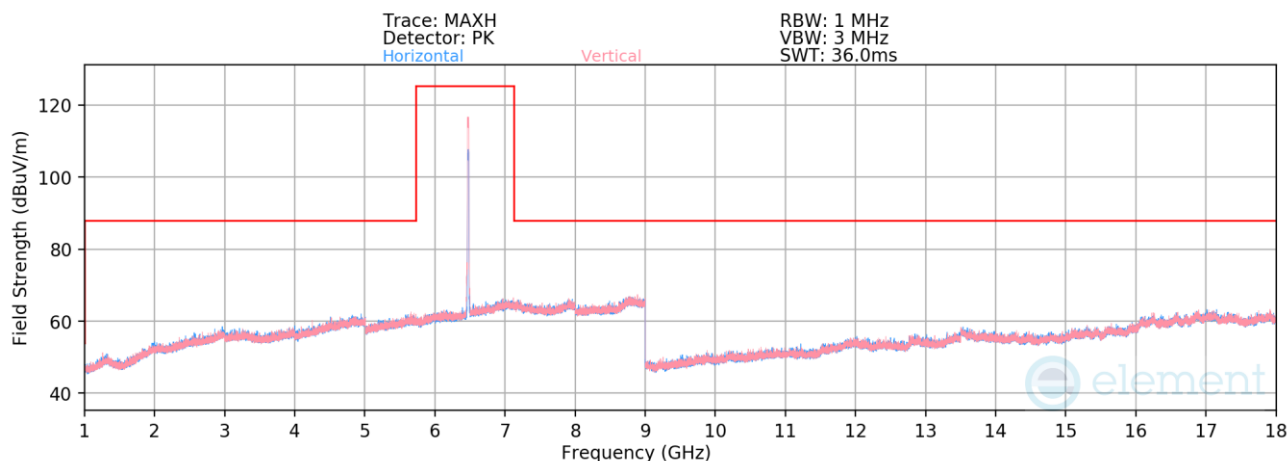
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6435MHz
Channel:	97

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]
12870.00	Average	H	-	-	-84.91	21.97	44.06	68.23	-24.17
12870.00	Peak	H	-	-	-73.58	21.97	55.39	88.23	-32.84

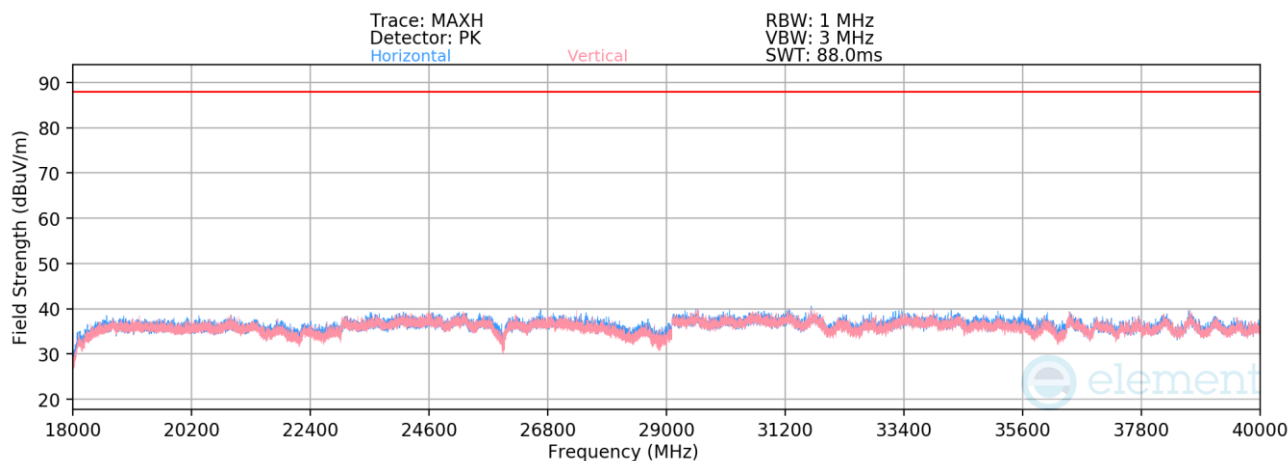
Table 7-34. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 105 of 145

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Plot 7-219. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 105)



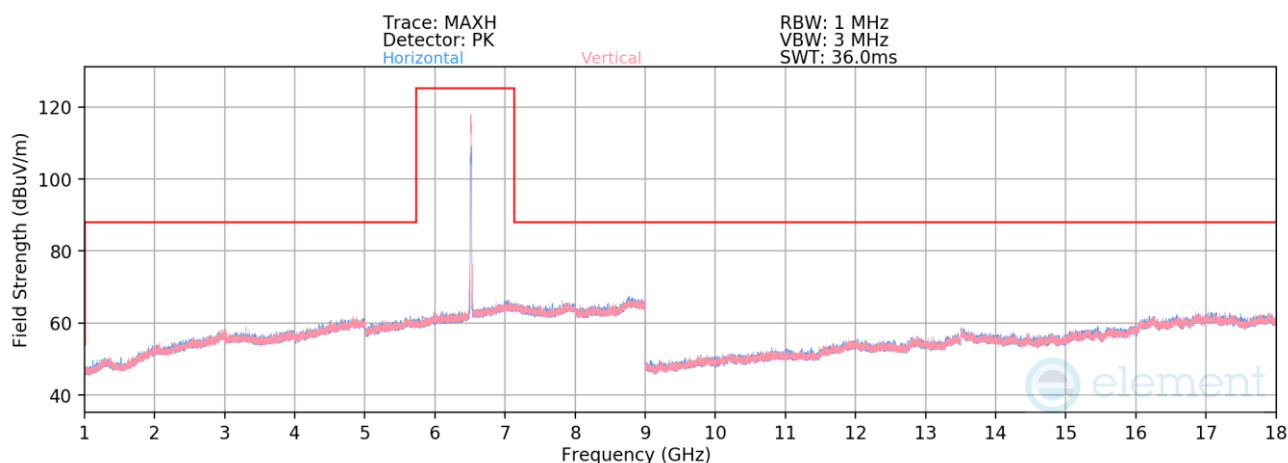
Plot 7-220. Radiated Spurious Emissions 18-40GHz SDM (802.11be – Ch. 105)

Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6475MHz
Channel:	105

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12950.00	Average	H	-	-	-85.22	21.81	0.00	43.59	68.23	-24.64
12950.00	Peak	H	-	-	-73.85	21.81	0.00	54.96	88.23	-33.27
* 19425.00	Average	H	-	-	-66.09	-6.38	-9.54	24.99	53.98	-28.99
* 19425.00	Peak	H	-	-	-54.60	-6.38	-9.54	36.48	73.98	-37.50
25900.00	Average	H	-	-	-67.18	-5.09	-9.54	25.19	68.23	-43.04
25900.00	Peak	H	-	-	-56.14	-5.09	-9.54	36.22	88.23	-52.01
32375.00	Average	H	-	-	-70.32	-3.67	-9.54	23.47	68.23	-44.76
32375.00	Peak	H	-	-	-59.44	-3.67	-9.54	34.35	88.23	-53.88

Table 7-35. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 106 of 145



Plot 7-221. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 113)

Mode: 802.11be
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6515MHz
Channel: 113

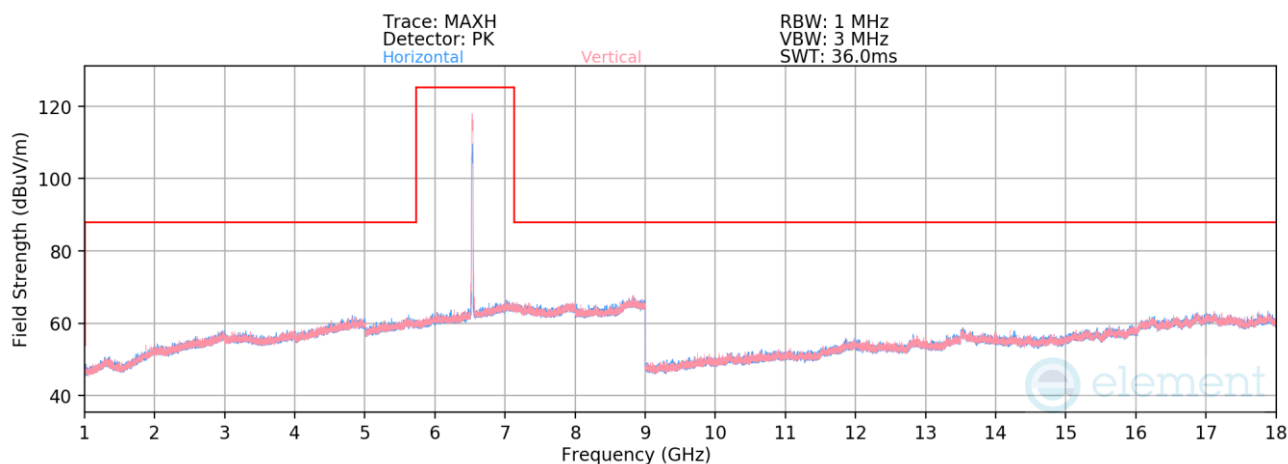
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13030.00	Average	V	-	-	-85.27	22.02	43.75	68.23	-24.48
13030.00	Peak	V	-	-	-74.00	22.02	55.02	88.23	-33.21

Table 7-36. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 107 of 145

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Plot 7-222. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 117)

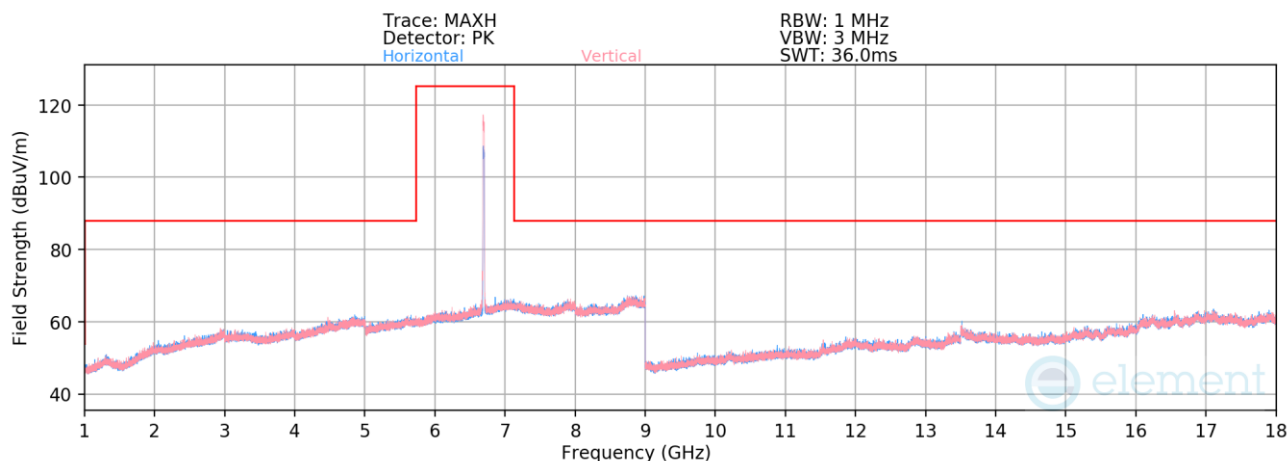
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6535MHz
Channel:	117

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]
13070.00	Average	V	-	-	-85.10	21.72	43.63	68.23	-24.60
13070.00	Peak	V	-	-	-73.80	21.72	54.92	88.23	-33.31

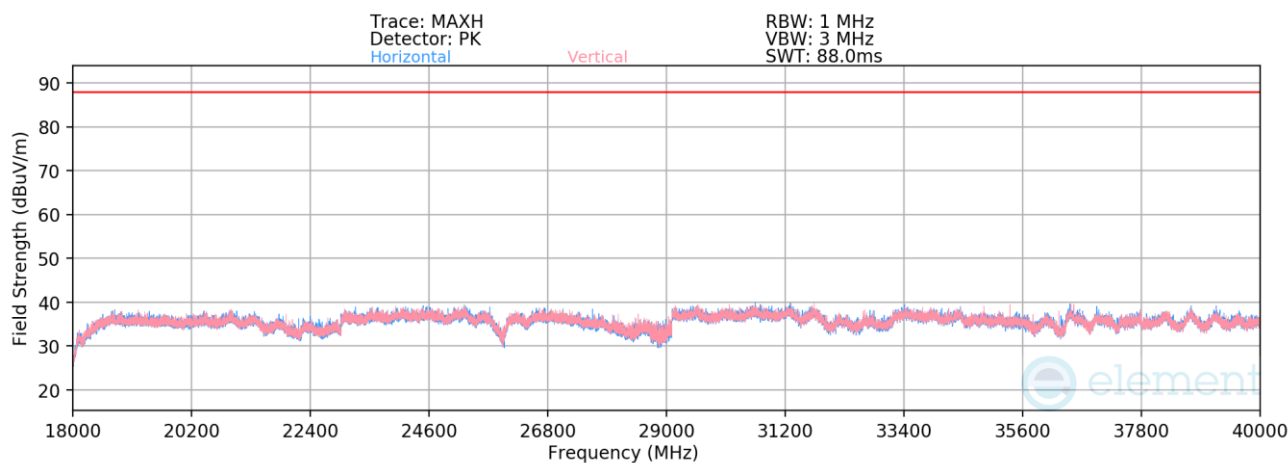
Table 7-37. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 108 of 145

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Plot 7-223. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 149)



Plot 7-224. Radiated Spurious Emissions 18-40GHz SDM (802.11be – Ch. 149)

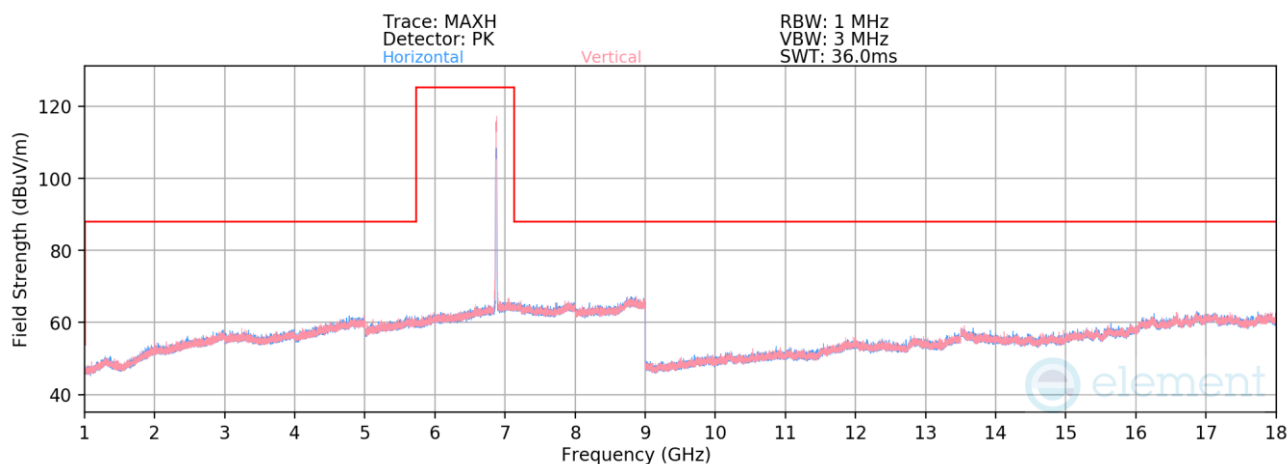
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6695MHz
Channel:	149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 13390.00	Average	H	-	-	-85.01	22.27	0.00	44.26	53.98	-9.72
* 13390.00	Peak	H	-	-	-73.07	22.27	0.00	56.20	73.98	-17.78
* 20085.00	Average	H	-	-	-66.34	-6.70	-9.54	24.42	53.98	-29.56
* 20085.00	Peak	H	-	-	-54.76	-6.70	-9.54	36.01	73.98	-37.97
26780.00	Average	H	-	-	-66.86	-4.57	-9.54	26.04	68.23	-42.19
26780.00	Peak	H	-	-	-55.47	-4.57	-9.54	37.42	88.23	-50.81
33475.00	Average	H	-	-	-72.06	-4.10	-9.54	21.30	68.23	-46.93
33475.00	Peak	H	-	-	-60.77	-4.10	-9.54	32.59	88.23	-55.64

Table 7-38. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 109 of 145

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Plot 7-225. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 185)

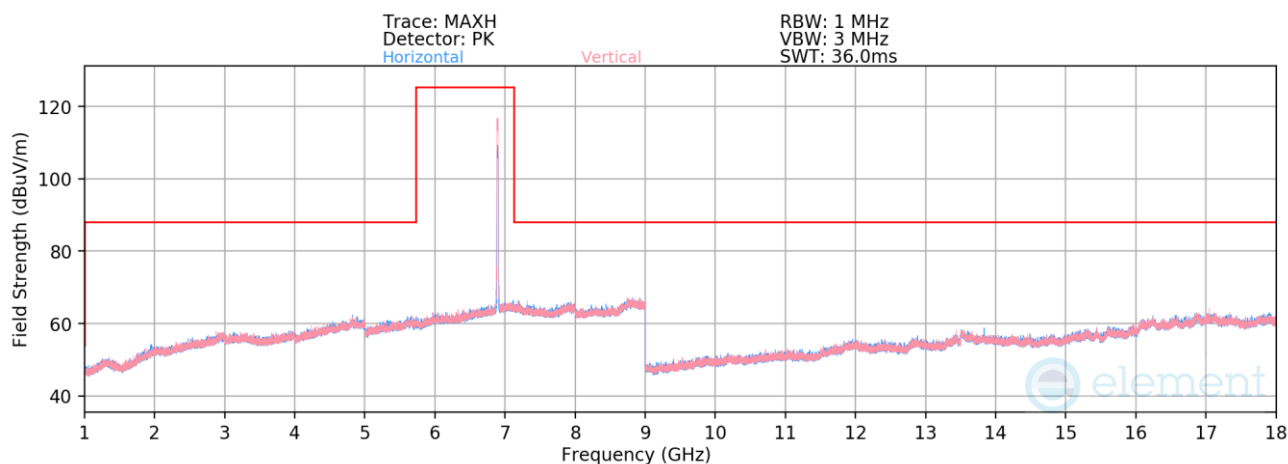
Mode: 802.11be
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6875MHz
Channel: 185

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]
13750.00	Average	H	-	-	-82.97	21.79	45.82	68.23	-22.41
13750.00	Peak	H	-	-	-71.68	21.79	57.10	88.23	-31.13

Table 7-39. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 110 of 145

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Plot 7-226. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 189)

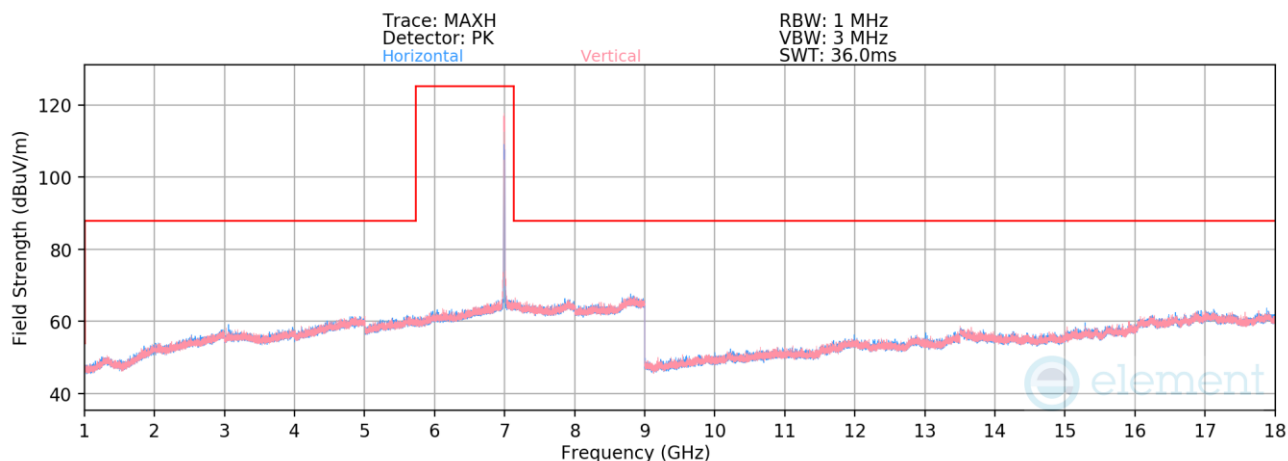
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6895MHz
Channel:	189

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]
13790.00	Average	V	-	-	-83.14	22.06	45.92	68.23	-22.31
13790.00	Peak	V	-	-	-71.55	22.06	57.51	88.23	-30.72

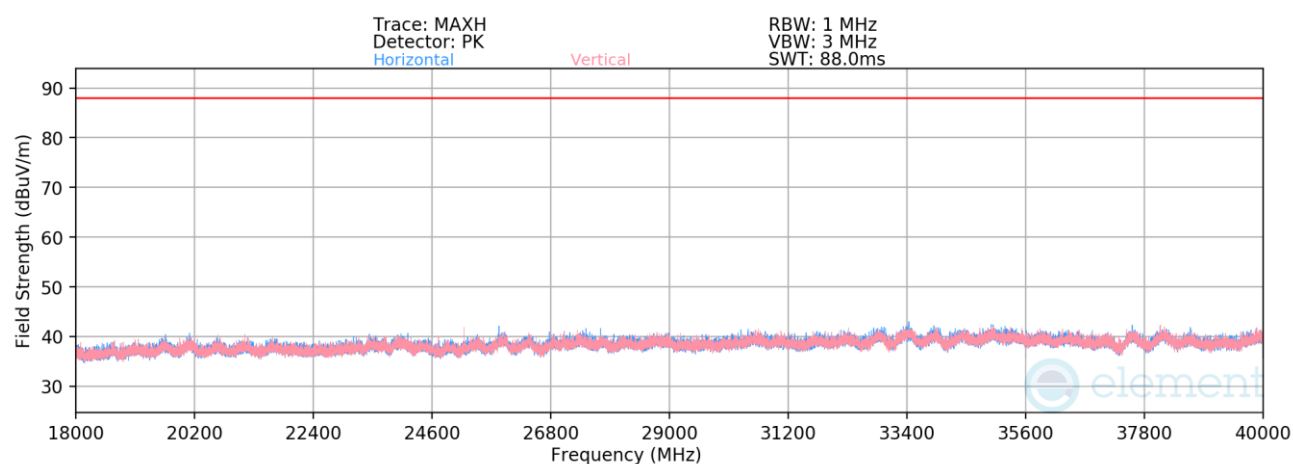
Table 7-40. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 111 of 145

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Plot 7-227. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 209)



Plot 7-228. Radiated Spurious Emissions 18-40GHz SDM (802.11be – Ch. 209)

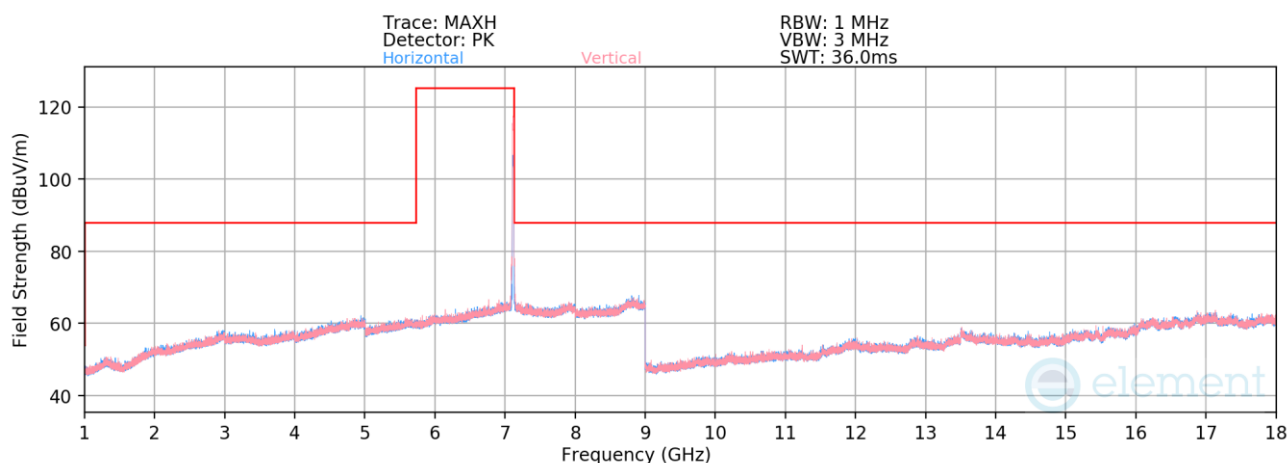
Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6995MHz
Channel:	209

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13990.00	Average	H	-	-	-83.43	21.96	0.00	45.53	68.23	-22.70
13990.00	Peak	H	-	-	-72.44	21.96	0.00	56.52	88.23	-31.71
* 20985.00	Average	H	-	-	-61.52	-7.58	-9.54	28.36	53.98	-25.62
* 20985.00	Peak	H	-	-	-50.41	-7.58	-9.54	39.48	73.98	-34.50
27980.00	Average	H	-	-	-64.14	-4.51	-9.54	28.81	68.23	-39.42
27980.00	Peak	H	-	-	-53.03	-4.51	-9.54	39.92	88.23	-48.31
34975.00	Average	H	-	-	-61.54	-4.53	-9.54	31.39	68.23	-36.84
34975.00	Peak	H	-	-	-50.09	-4.53	-9.54	42.84	88.23	-45.39

Table 7-41. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 112 of 145

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Plot 7-229. Radiated Spurious Emissions 1-18GHz SDM (802.11be – Ch. 233)

Mode: 802.11be
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 7115MHz
Channel: 233

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]
14230.00	Average	V	-	-	-84.00	22.90	45.90	68.23	-22.33
14230.00	Peak	V	-	-	-72.83	22.90	57.07	88.23	-31.16

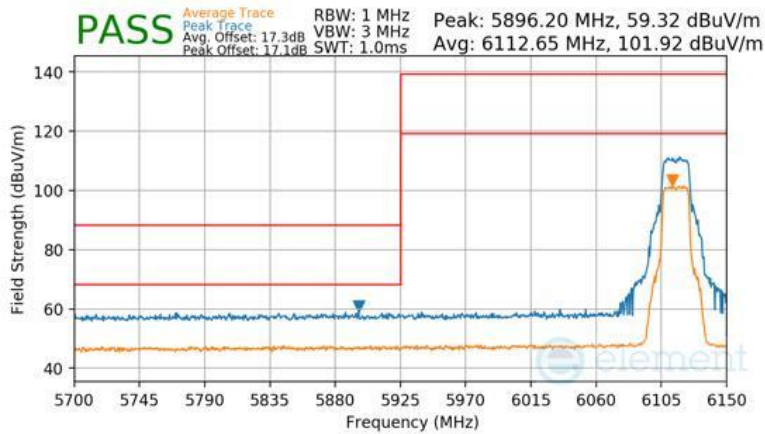
Table 7-42. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 113 of 145

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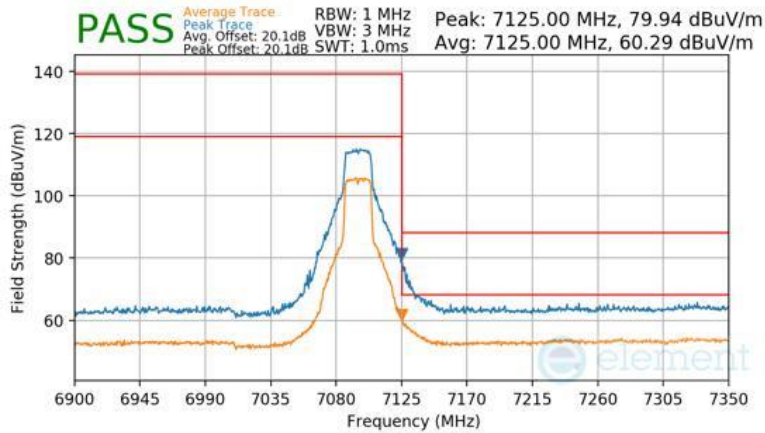
7.8.2 Antenna WF8 Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	6115MHz
Channel	33



Plot 7-230 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

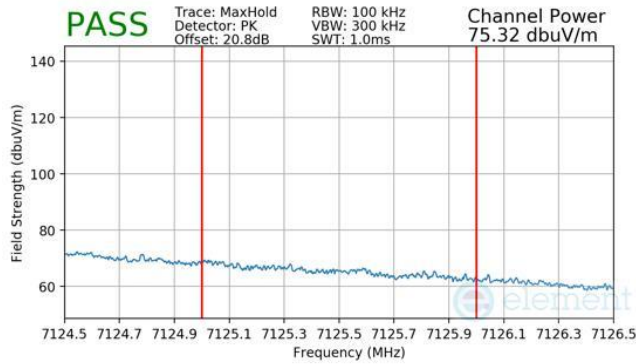


Plot 7-231 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

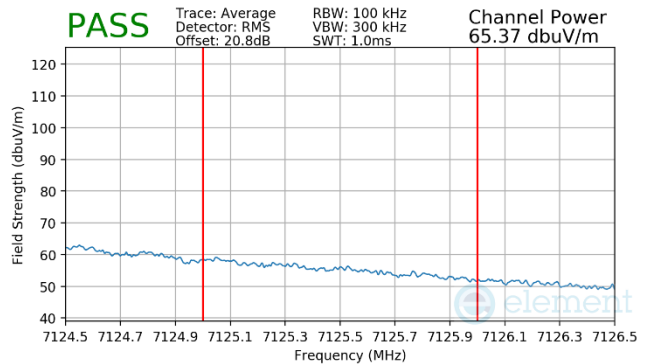
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 114 of 145

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Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233

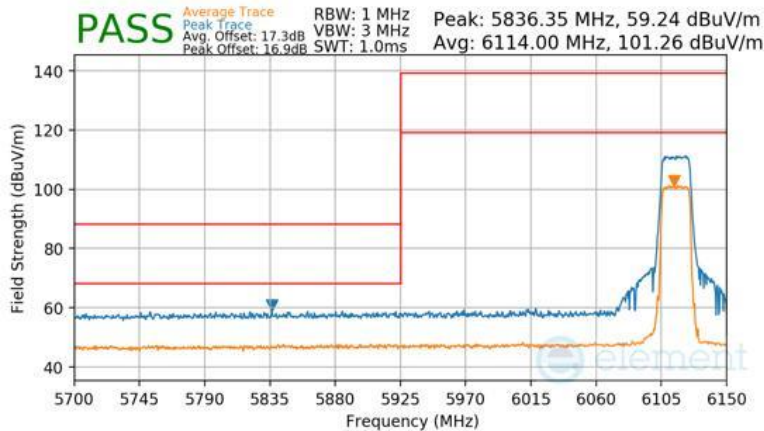


Plot 7-232 Antenna WF8 Radiated Integrated Band Edge (Peak – UNII Band 8)



Plot 7-233 Antenna WF8 Radiated Integrated Band Edge (Average – UNII Band 8)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6115MHz
Channel	33



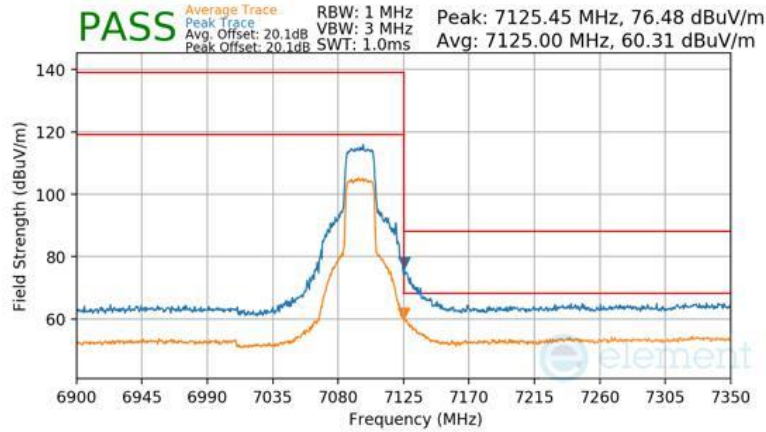
Plot 7-234 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 115 of 145

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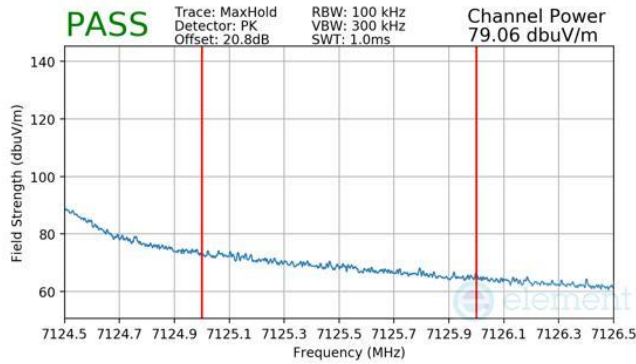
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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

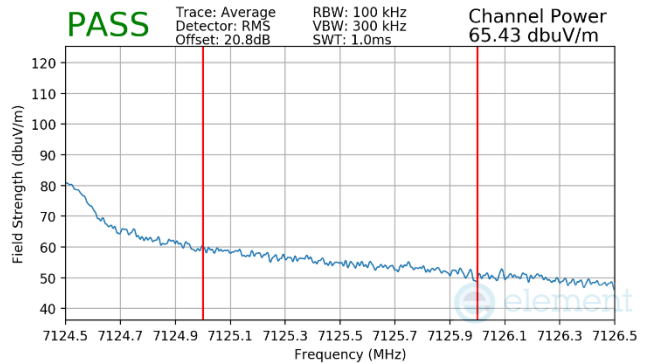


Plot 7-235 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233



Plot 7-236 Antenna WF8 Radiated Integrated Band Edge (Peak – UNII Band 8)



Plot 7-237 Antenna WF8 Radiated Integrated Band Edge (Average – UNII Band 8)

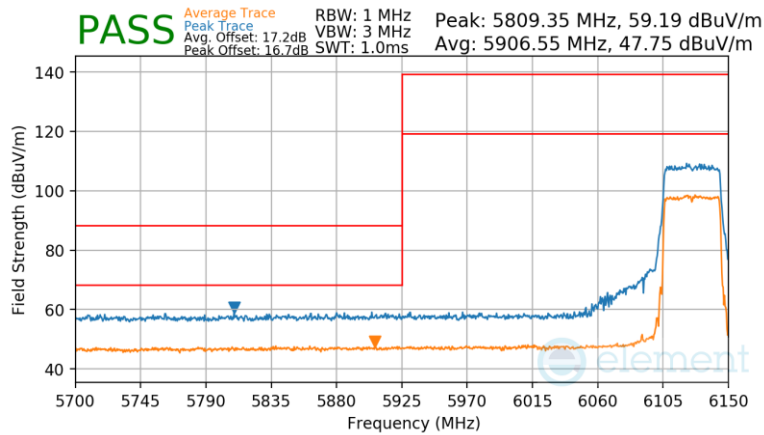
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 116 of 145

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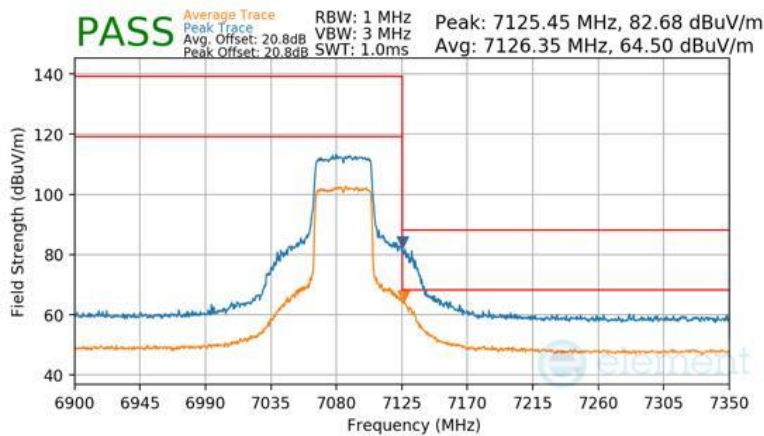
7.8.3 Antenna WF8 Radiated Band Edge Measurements (40MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6125MHz
Channel	35



Plot 7-238 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7085MHz
Channel	227



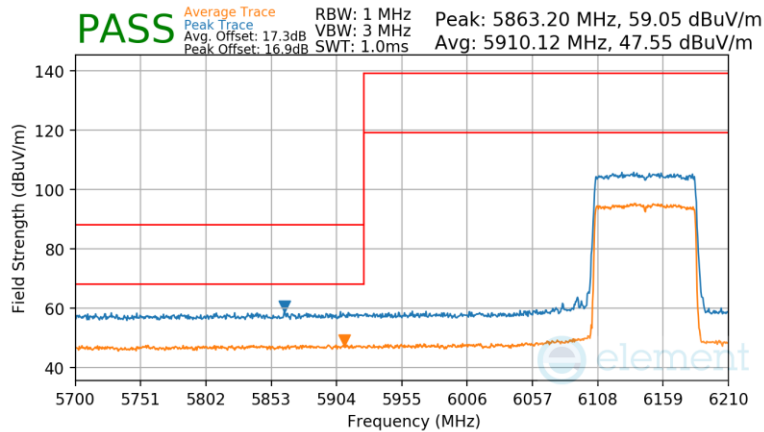
Plot 7-239 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 117 of 145

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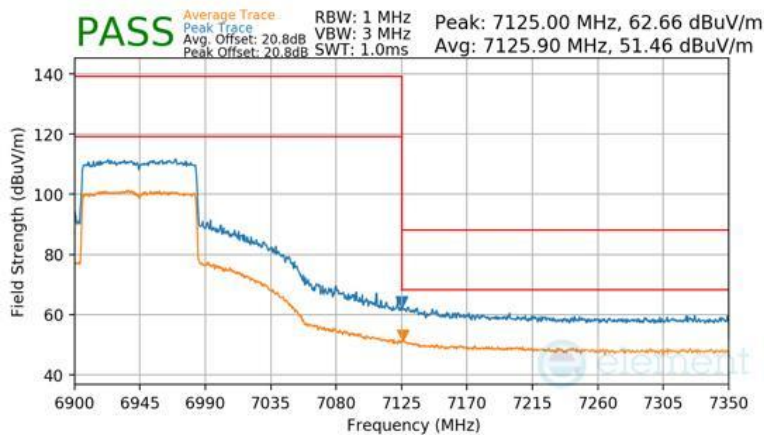
7.8.4 Antenna WF8 Radiated Band Edge Measurements (80MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6145MHz
Channel	39



Plot 7-240 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6945MHz
Channel	199

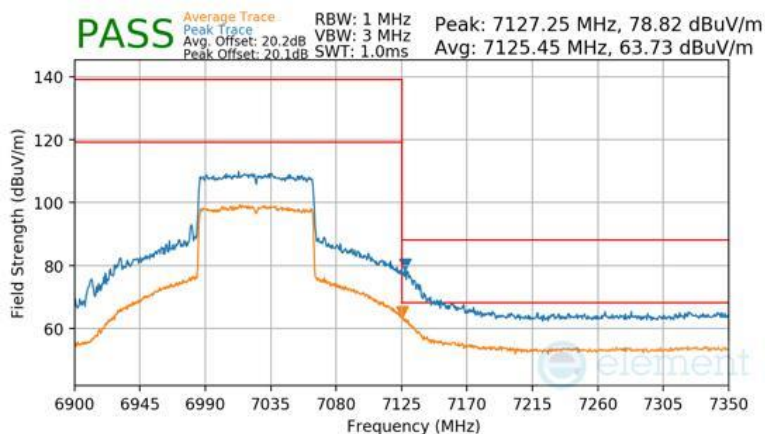


Plot 7-241 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 118 of 145

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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7025MHz
Channel	215



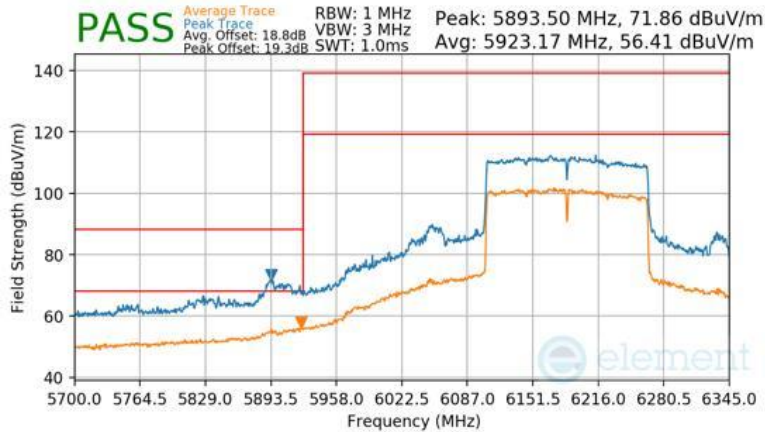
Plot 7-242 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 119 of 145

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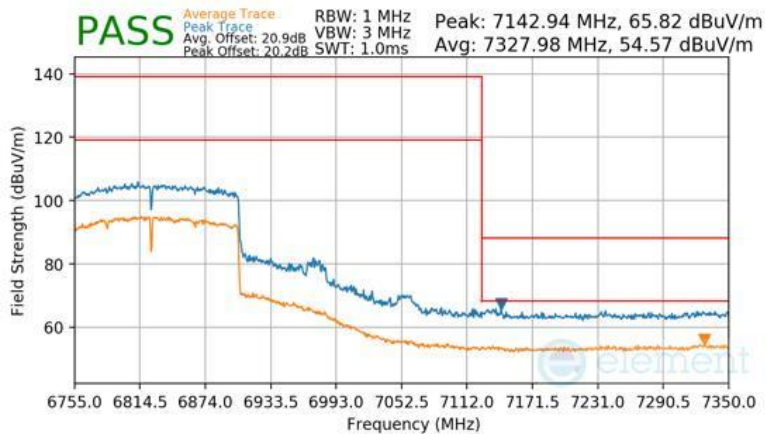
7.8.5 Antenna WF8 Radiated Band Edge Measurements (160MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6185MHz
Channel	47



Plot 7-243 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6825MHz
Channel	175

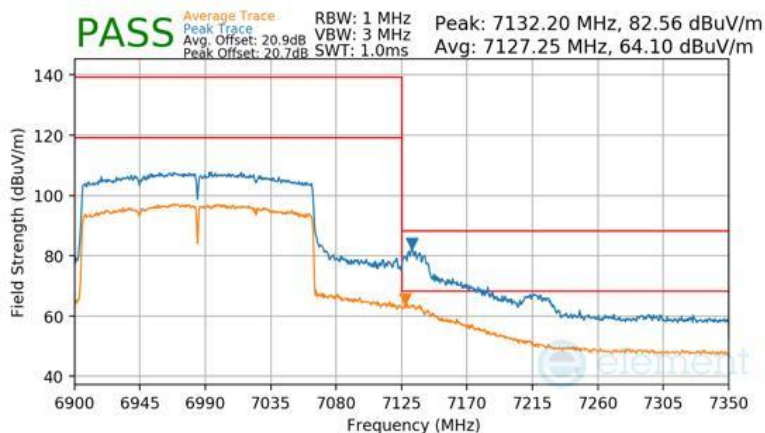


Plot 7-244 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 7)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 120 of 145

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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6985MHz
Channel	207



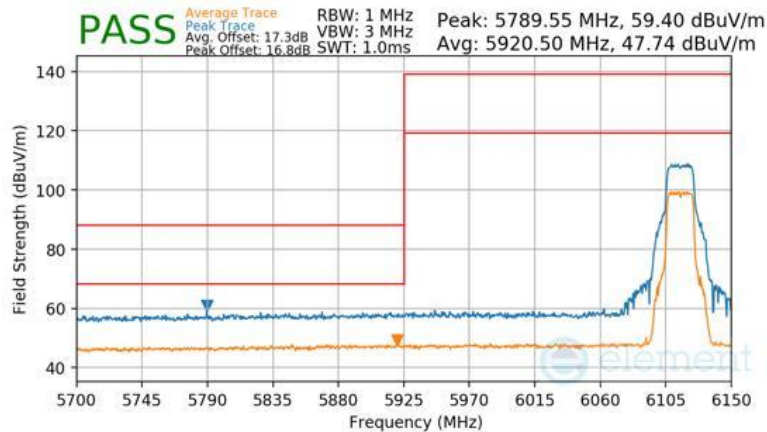
Plot 7-245 Antenna WF8 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 121 of 145

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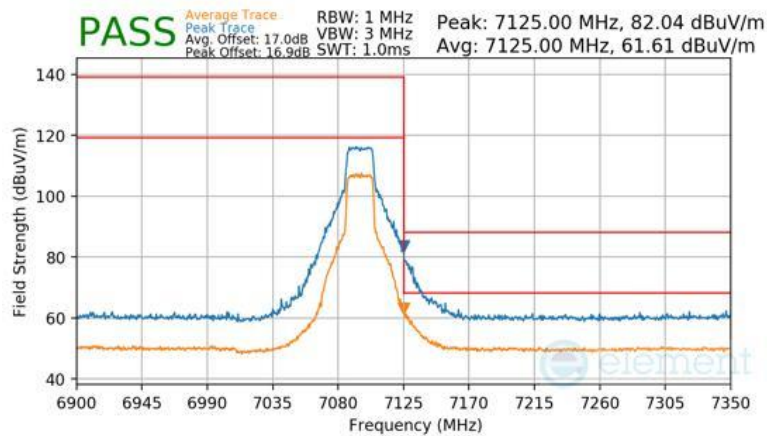
7.8.6 Antenna WF7a Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	6115MHz
Channel	33



Plot 7-246 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

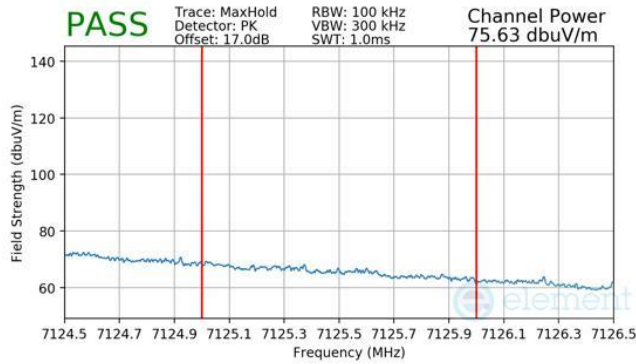


Plot 7-247 Antenna WF7a Radiated Upper Band Edge (Peak & Average – UNII Band 8)

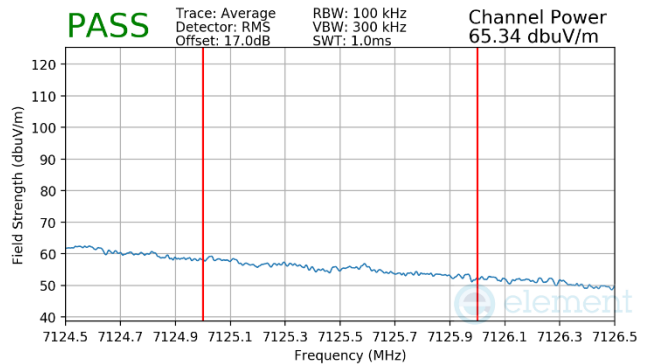
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 122 of 145

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Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233

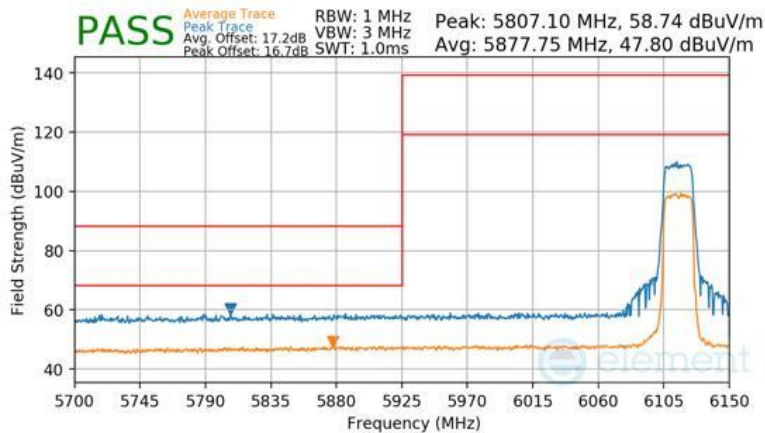


Plot 7-248 Antenna WF7a Radiated Integrated Band Edge (Peak – UNII Band 8)



Plot 7-249 Antenna WF7a Radiated Integrated Band Edge (Average – UNII Band 8)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6115MHz
Channel	33



Plot 7-250 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

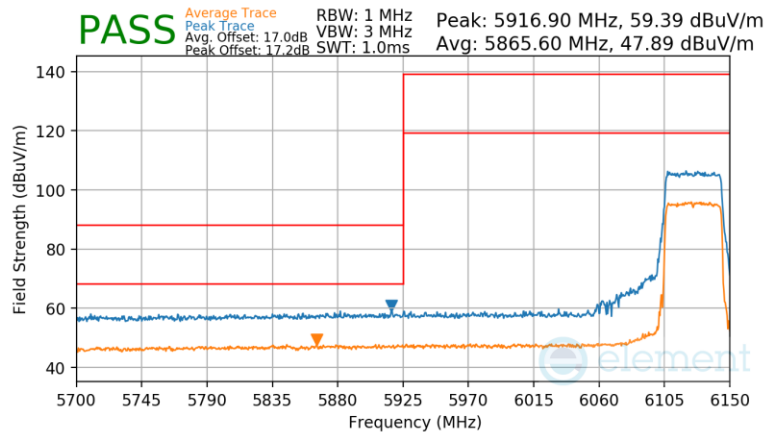
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 123 of 145

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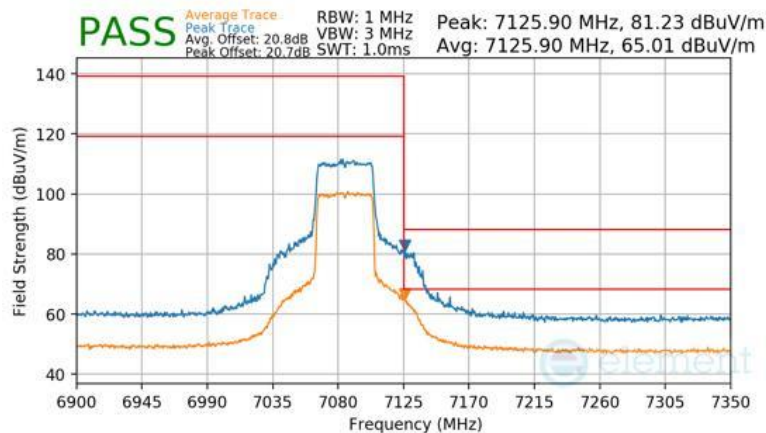
7.8.7 Antenna WF7a Radiated Band Edge Measurements (40MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6125MHz
Channel	35



Plot 7-254 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7085MHz
Channel	227



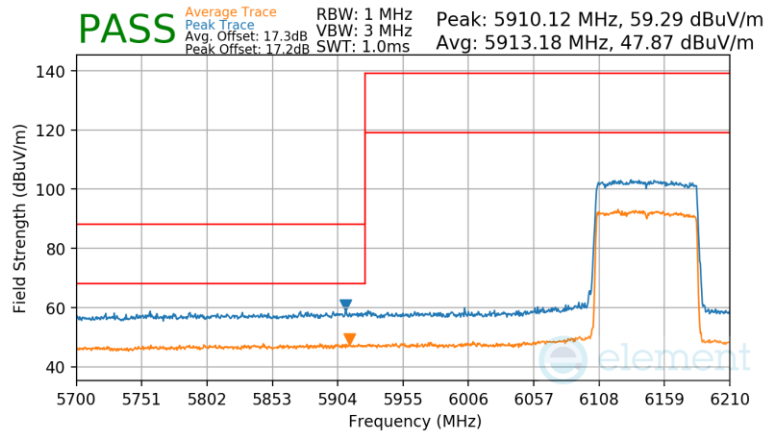
Plot 7-255 Antenna WF7a Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 125 of 145

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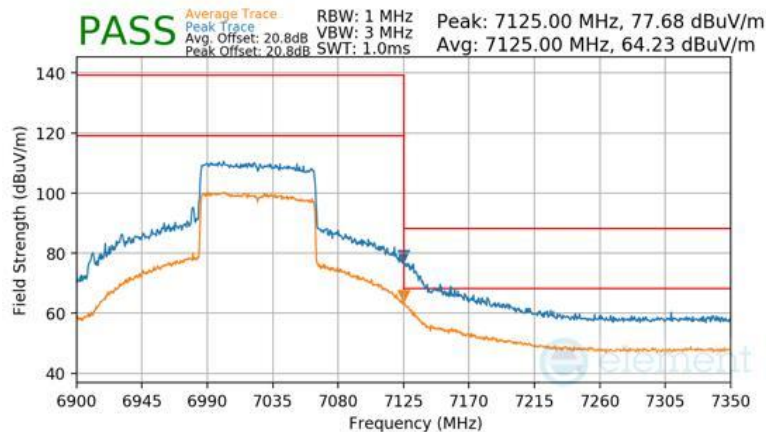
7.8.8 Antenna WF7a Radiated Band Edge Measurements (80MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6145MHz
Channel	39



Plot 7-256 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7025MHz
Channel	215

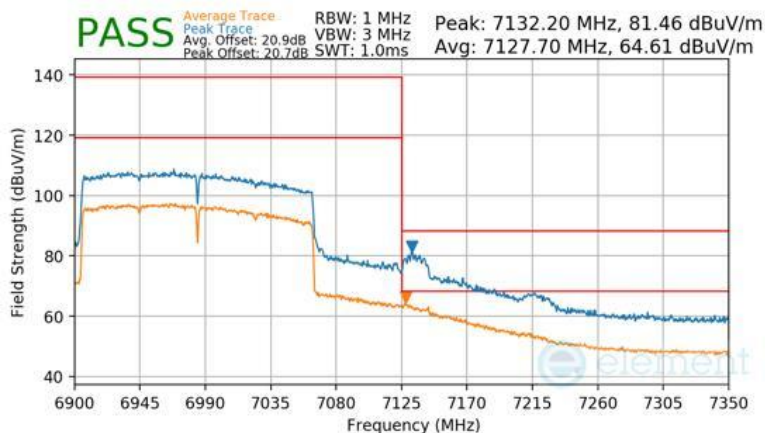


Plot 7-257 Antenna WF7a Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6985MHz
Channel	207



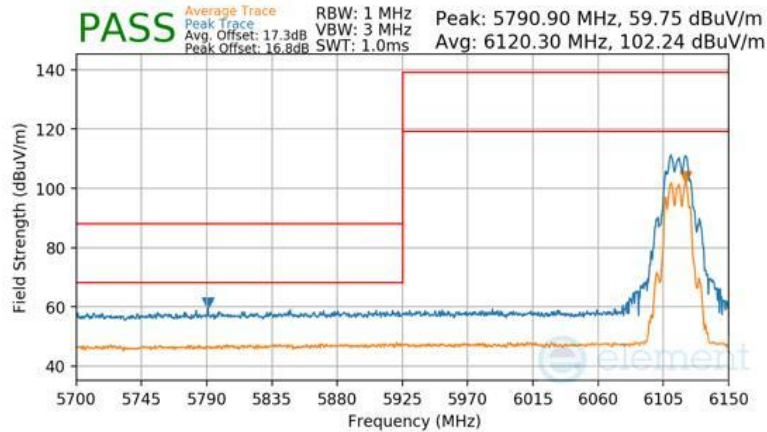
Plot 7-260 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 128 of 145

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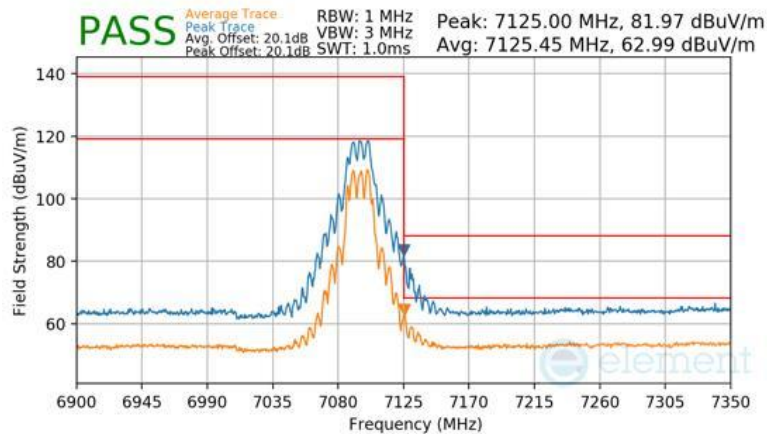
7.8.10 CDD/SDM Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	6115MHz
Channel	33



Plot 7-261 CDD Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

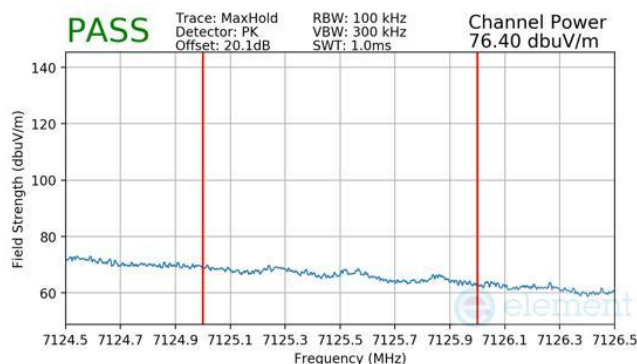


Plot 7-262 CDD Radiated Upper Band Edge (Peak & Average – UNII Band 8)

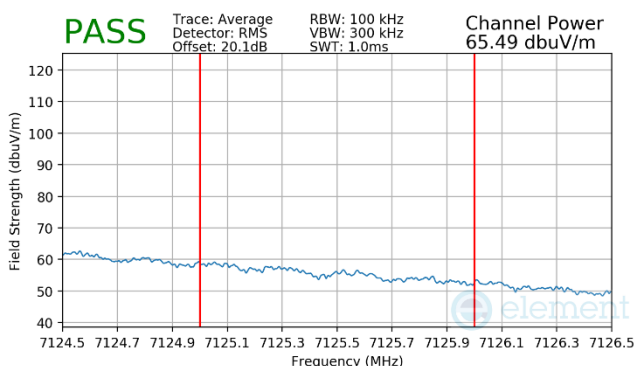
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 129 of 145

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Mode	802.11a
Data Rate	54MBPS
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233

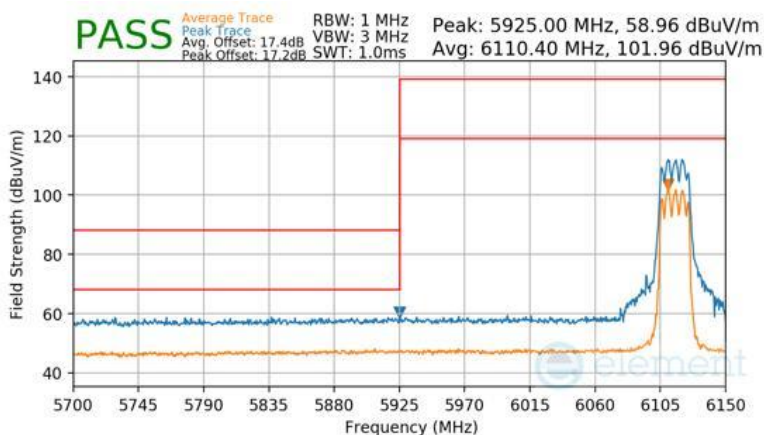


Plot 7-263 CDD Radiated Integrated Band Edge (Peak – UNII Band 8)



Plot 7-264 CDD Radiated Integrated Band Edge (Average – UNII Band 8)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6115MHz
Channel	33



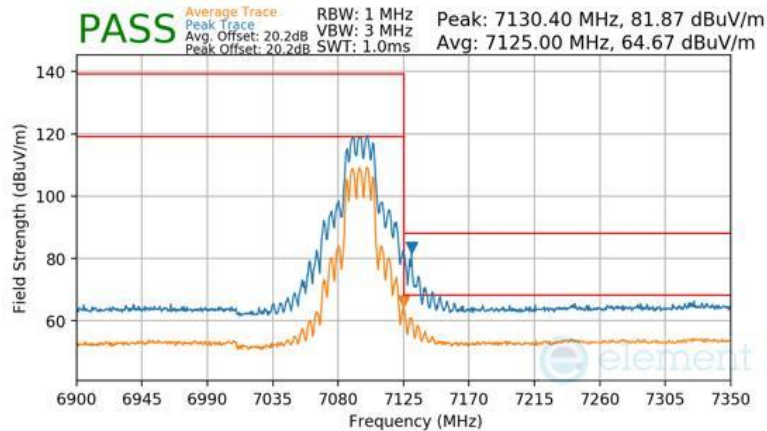
Plot 7-265 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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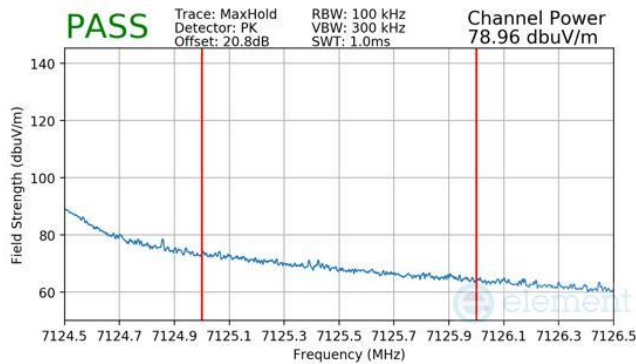
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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

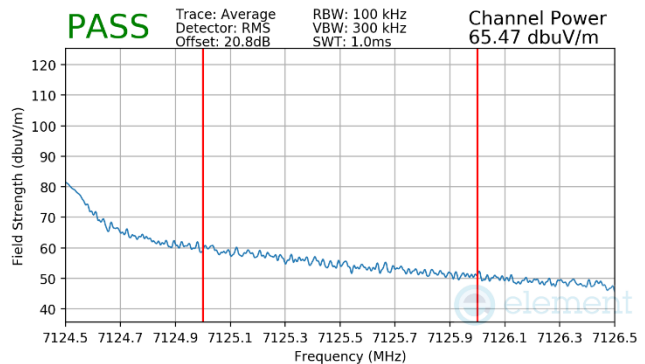


Plot 7-266 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233



Plot 7-267 SDM Radiated Integrated Band Edge (Peak – UNII Band 8)



Plot 7-268 SDM Radiated Integrated Band Edge (Average – UNII Band 8)

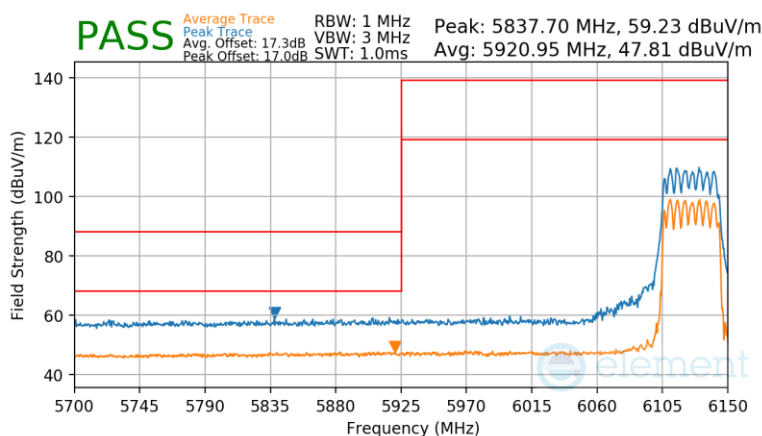
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 131 of 145

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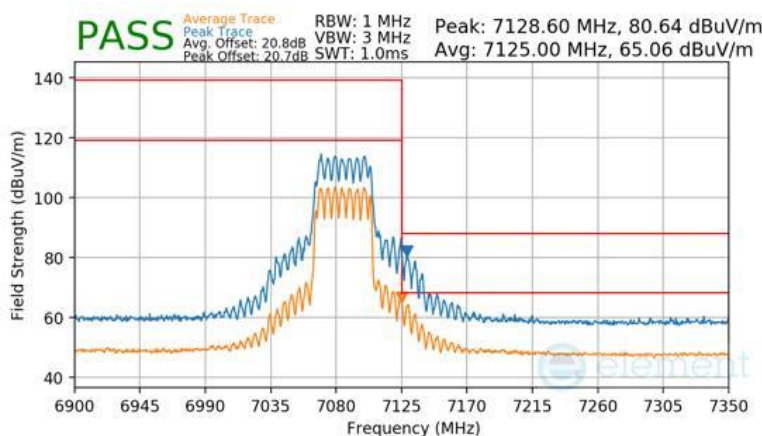
7.8.11 SDM Radiated Band Edge Measurements (40MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6125MHz
Channel	35



Plot 7-269 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7085MHz
Channel	227



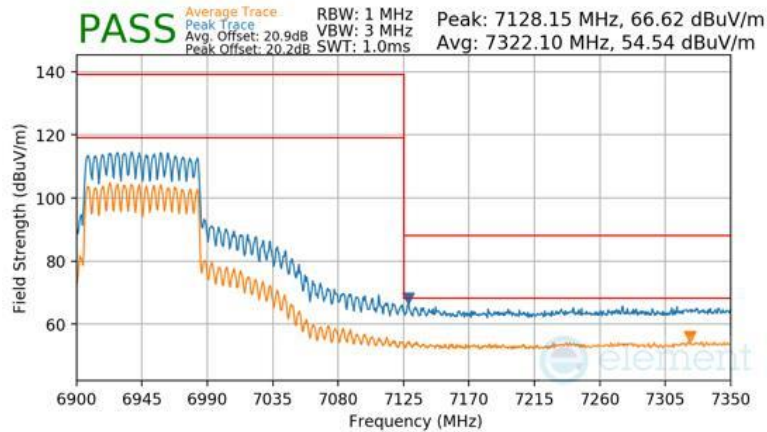
Plot 7-270 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 132 of 145

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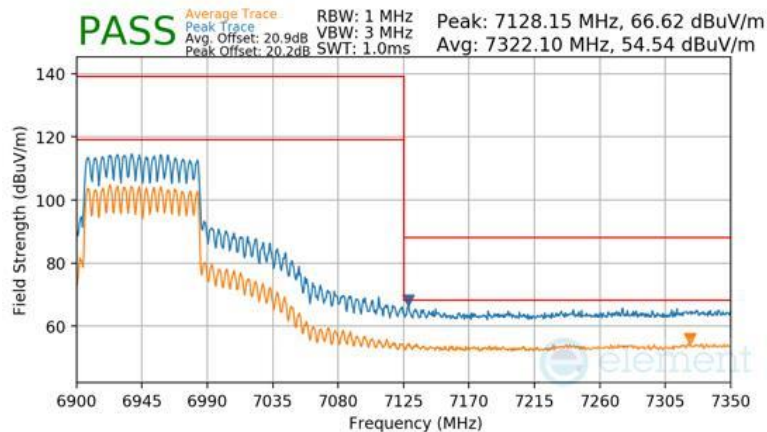
7.8.12 SDM Radiated Band Edge Measurements (80MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6145MHz
Channel	39



Plot 7-271 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6945MHz
Channel	199

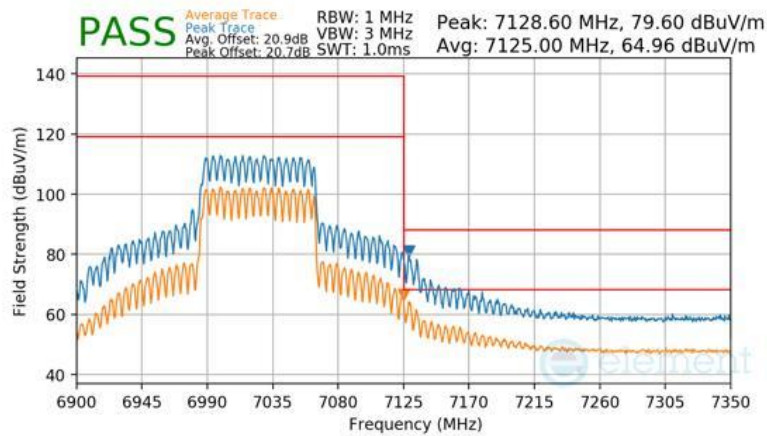


Plot 7-272 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7025MHz
Channel	215



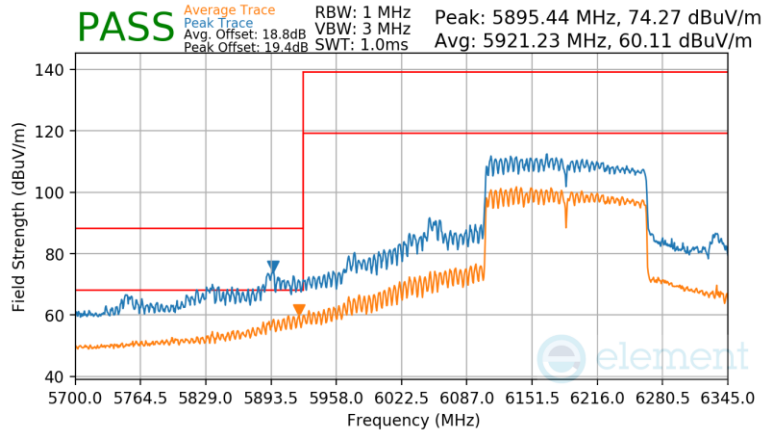
Plot 7-273 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 134 of 145

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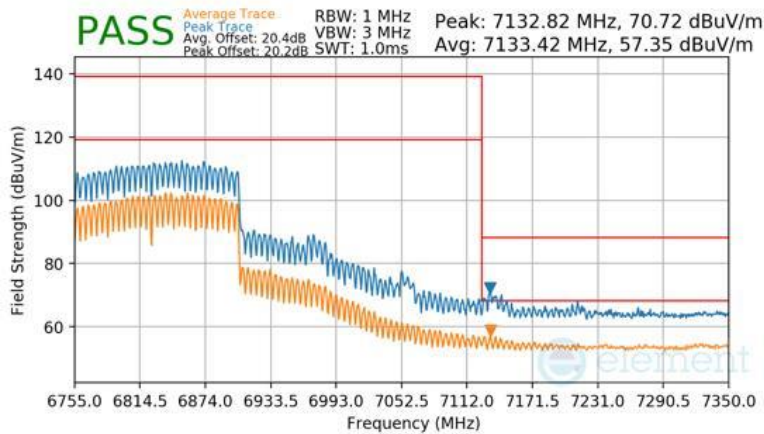
7.8.13 SDM Radiated Band Edge Measurements (160MHz BW)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6185MHz
Channel	47



Plot 7-274 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6825MHz
Channel	175

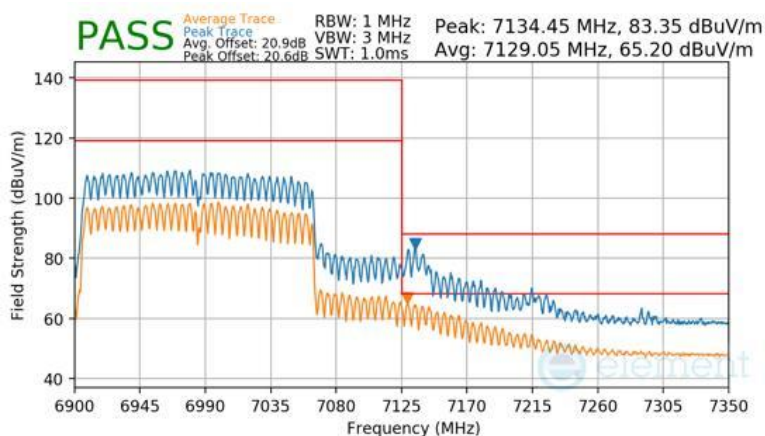


Plot 7-275 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 7)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 135 of 145

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Mode	802.11be-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6985MHz
Channel	207



Plot 7-276 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-17-R5.BCG	Test Dates: 09/12/2025 - 12/2/2025	EUT Type: Tablet Device	Page 136 of 145

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7.9 Radiated Spurious Emissions – Below 1GHz

§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 maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table 7-43 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-43. Radiated Limits

Test Procedures Used

ANSI C63.10:2020 + COR. 1:2023 + C63.10A:2024 + ERRATA TO C63.10A:2024

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = quasi-peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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Test Setup

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

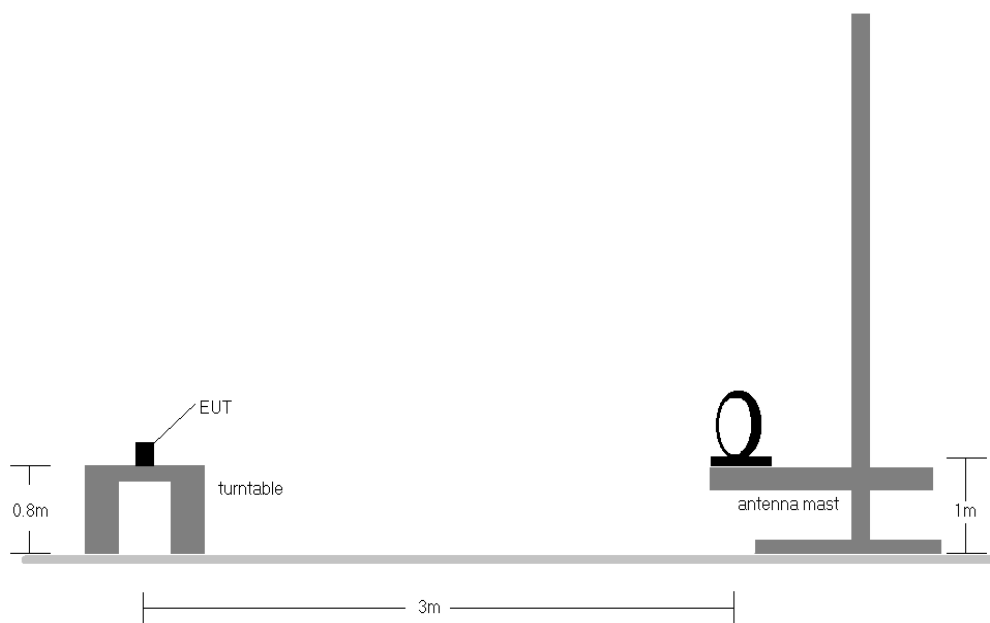


Figure 7-8. Radiated Test Setup < 30MHz

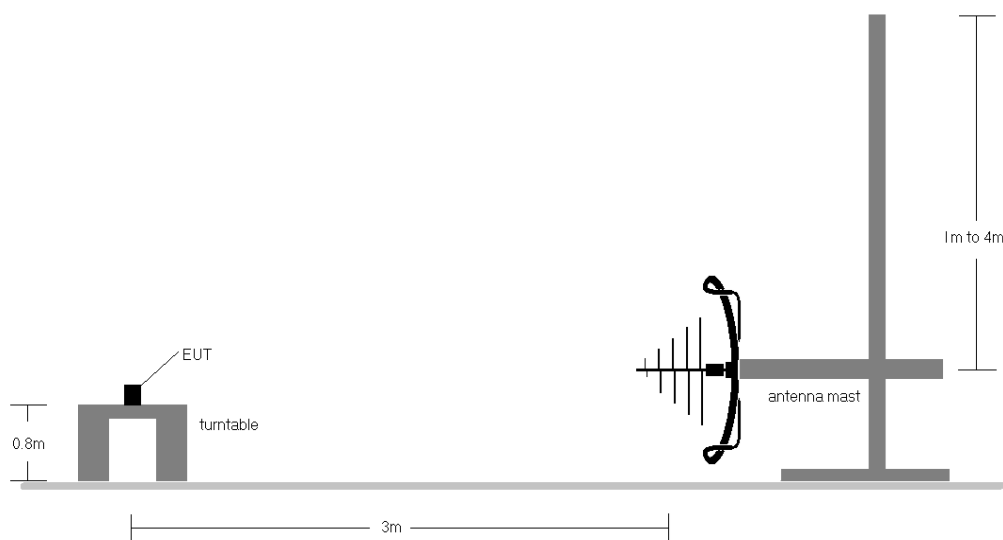


Figure 7-9. Radiated Test Setup < 1GHz

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-43.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector on emissions that were within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
10. All antenna configurations were investigated and only the worst case is reported.
11. The unit was tested with all possible modes and only the highest emission is reported.

Sample Calculations

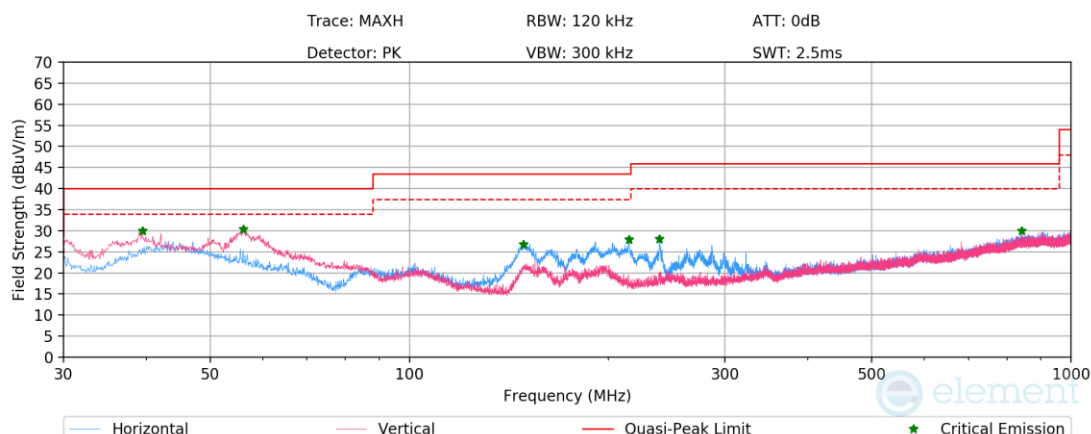
Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamp Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu V/m]}$

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7.9.1 SDM Radiated Spurious Emissions Measurements (Below 1GHz)



Plot 7-277. Radiated Spurious Emissions below 1GHz SDM, 802.11be, Ch.61 with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
39.51	Max-Peak	V	100	38	-60.67	-16.39	29.94	40.00	-10.06
56.07	Max-Peak	V	100	108	-60.73	-15.88	30.39	40.00	-9.61
148.59	Max-Peak	H	200	340	-59.05	-21.22	26.73	43.50	-16.77
214.77	Max-Peak	H	100	93	-61.19	-17.84	27.96	43.50	-15.54
238.77	Max-Peak	H	100	54	-62.46	-16.54	28.00	46.00	-18.00
842.95	Max-Peak	H	200	103	-72.08	-4.90	30.01	46.00	-15.99

Table 7-44. Radiated Spurious Emissions Measurement below 1GHz SDM, 802.11be, Ch.61 with AC/DC Adapter

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7.10 AC Line-Conducted Emissions Measurement

§15.407; RSS-Gen[8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-45. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10:2020 + COR. 1:2023 + C63.10A:2024 + ERRATA TO C63.10A:2024, Section 6.2

Test Settings

Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

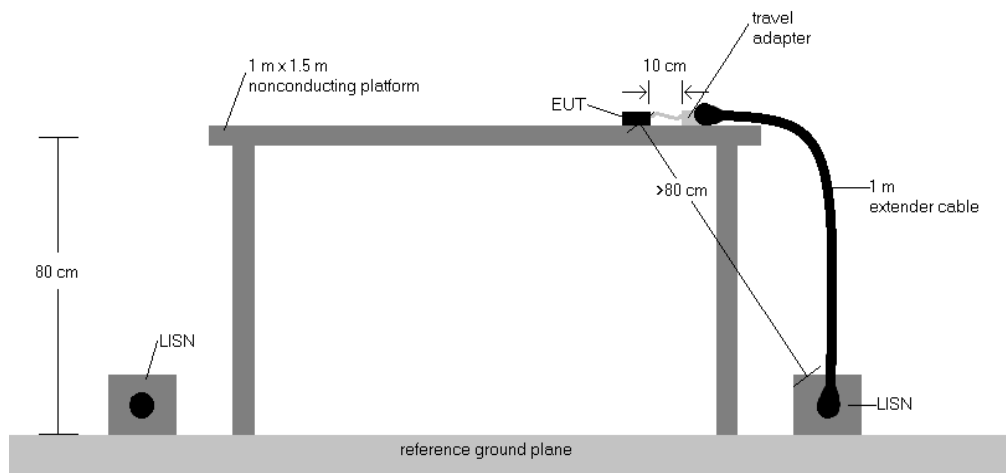


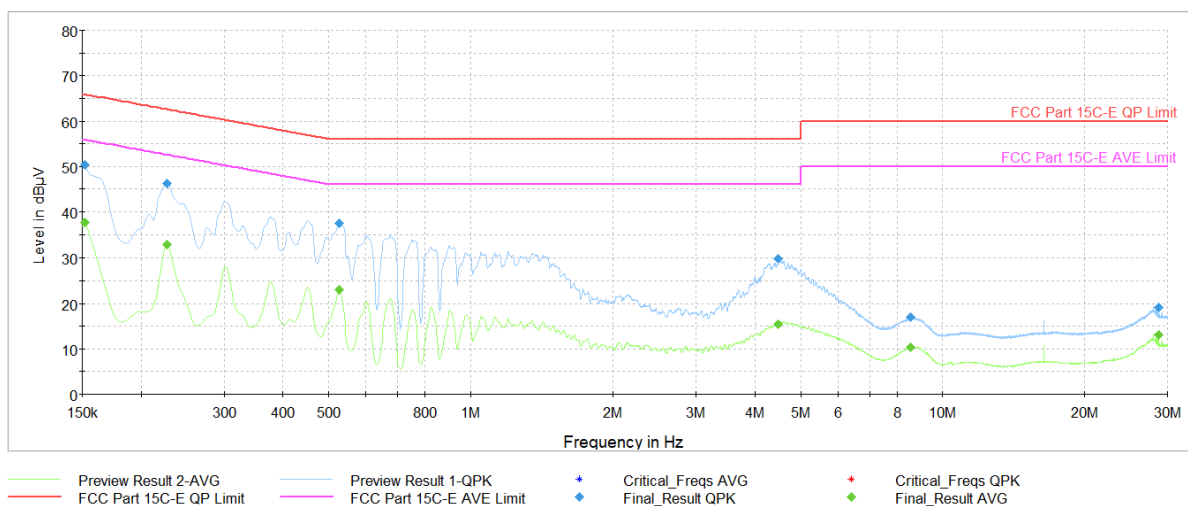
Figure 7-10. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated, and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
4. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
6. $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.
9. The unit was tested with all possible modes and only the highest emission is reported.

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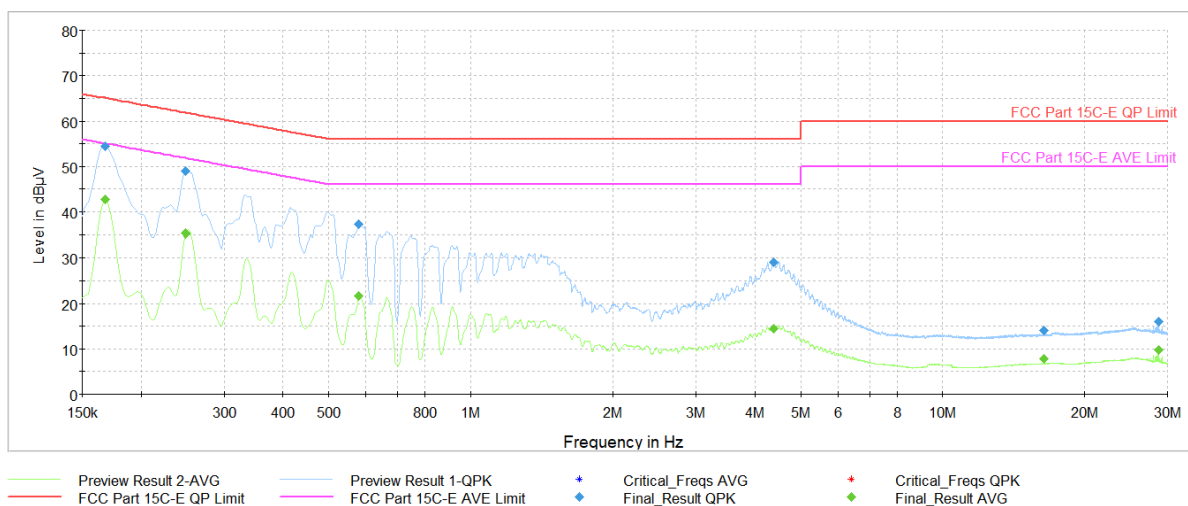
Plot 7-278. AC Line Conducted Plot with 802.11be SDM – Ch.61 (L1), with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	37.66	55.88	-18.22	L1	GND
0.152	FINAL	50.3	—	65.88	-15.56	L1	GND
0.227	FINAL	—	32.93	52.58	-19.64	L1	GND
0.227	FINAL	46.2	—	62.58	-16.34	L1	GND
0.526	FINAL	—	23.05	46.00	-22.95	L1	GND
0.526	FINAL	37.4	—	56.00	-18.56	L1	GND
4.479	FINAL	30.0	—	56.00	-26.05	L1	GND
4.479	FINAL	—	15.49	46.00	-30.51	L1	GND
8.561	FINAL	16.9	—	60.00	-43.09	L1	GND
8.561	FINAL	—	10.27	50.00	-39.73	L1	GND
28.687	FINAL	—	13.04	50.00	-36.96	L1	GND
28.687	FINAL	19.1	—	60.00	-40.94	L1	GND

Table 7-46. AC Line Conducted Data with 802.11be SDM – Ch. 61 (L1) with AC/DC Adapter

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Plot 7-279. AC Line Conducted Plot with 802.11be SDM – Ch. 61 (N), with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	42.73	55.06	-12.33	N	GND
0.168	FINAL	54.4	—	65.06	-10.71	N	GND
0.249	FINAL	—	35.27	51.79	-16.52	N	GND
0.249	FINAL	49.0	—	61.79	-12.78	N	GND
0.580	FINAL	—	21.70	46.00	-24.30	N	GND
0.580	FINAL	37.3	—	56.00	-18.68	N	GND
4.373	FINAL	29.2	—	56.00	-26.84	N	GND
4.373	FINAL	—	14.35	46.00	-31.65	N	GND
16.406	FINAL	14.0	—	60.00	-45.96	N	GND
16.406	FINAL	—	7.88	50.00	-42.12	N	GND
28.685	FINAL	—	9.66	50.00	-40.34	N	GND
28.687	FINAL	15.9	—	60.00	-44.08	N	GND

Table 7-47. AC Line Conducted Data with 802.11be SDM – Ch. 61 (N), with AC/DC Adapter

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3459** and **IC: 579C-A3459** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-248 of the Innovation, Science and Economic Development Canada Rules.

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