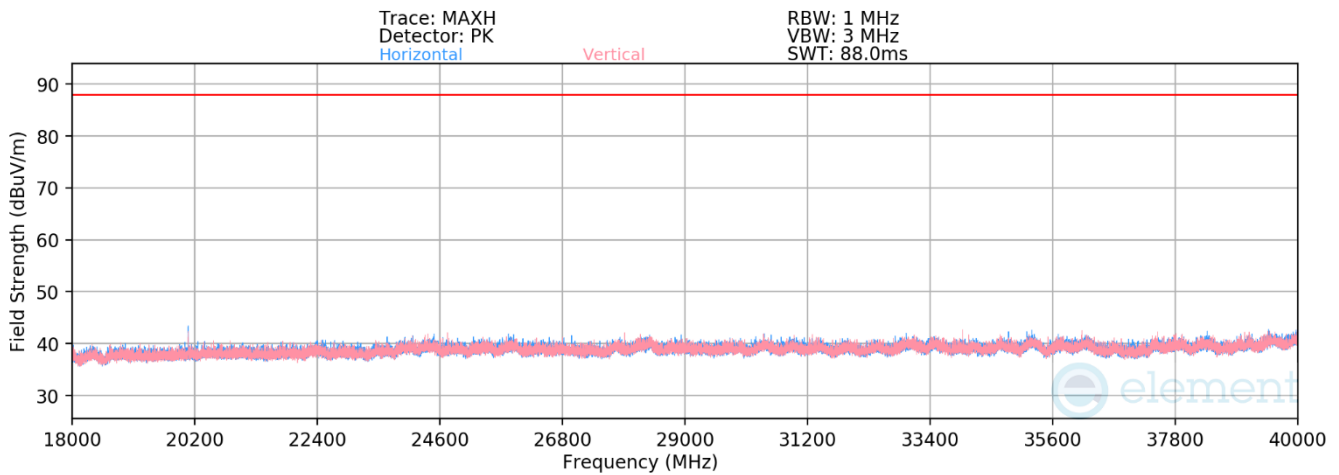


Plot 7-178. Radiated Spurious Emissions 1-18GHz Antenna WF8 (802.11ax – Ch. 149 – RU106)



Plot 7-179. Radiated Spurious Emissions 18-40GHz Antenna WF8 (802.11ax – Ch. 149 – RU106)

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

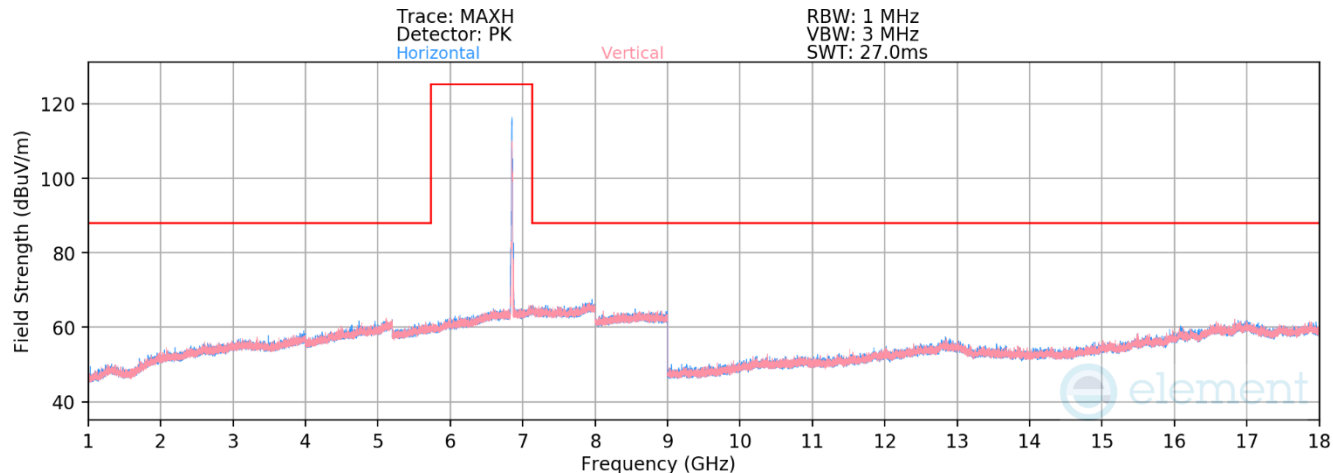
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	13390.00	Average	H	-	-	-81.53	15.96	41.43	53.98	-12.55
*	13390.00	Peak	H	-	-	-70.23	15.51	52.28	73.98	-21.70

Table 7-57. Radiated Spurious Emission Measurements Antenna WF8 – RU106

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 103 of 148

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Plot 7-180. Radiated Spurious Emissions 1-18GHz Antenna WF8 (802.11ax – Ch. 181 – RU106)

Mode:	802.11ax
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6855MHz
Channel:	181

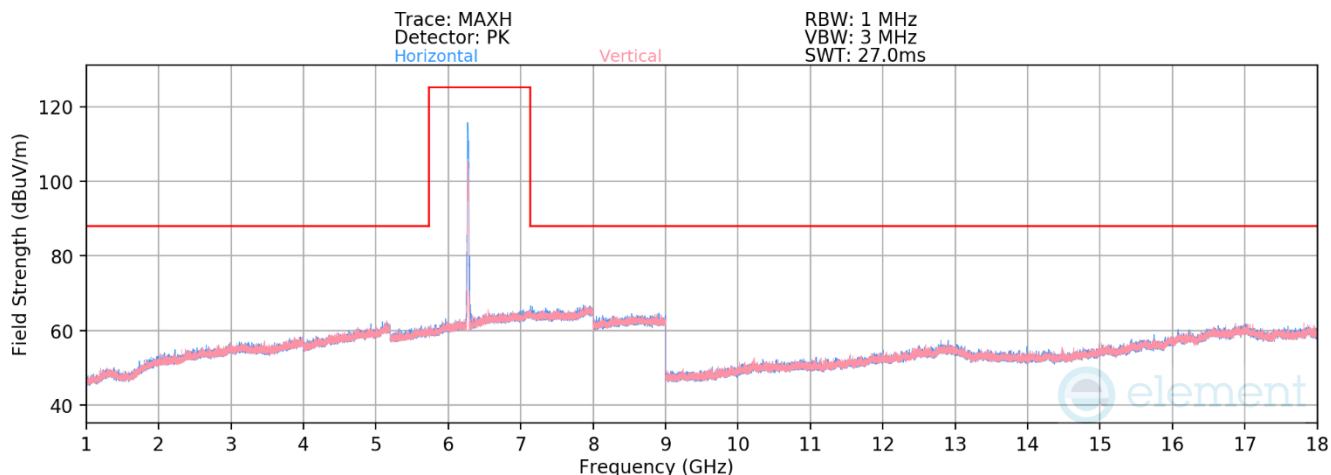
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13710.00	Average	V	-	-	-85.64	22.04	43.40	68.23	-24.83
13710.00	Peak	V	-	-	-74.21	21.75	54.53	88.23	-33.70

Table 7-58. Radiated Spurious Emission Measurements Antenna WF8 – RU106

FCC ID: BCGA3266	element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 104 of 148

7.7.3 Antenna WF7a Radiated Spurious Emission

RU106




Plot 7-181. Radiated Spurious Emissions 1-18GHz Antenna WF7a (802.11ax – Ch. 65 – RU106)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6275MHz
Channel: 65

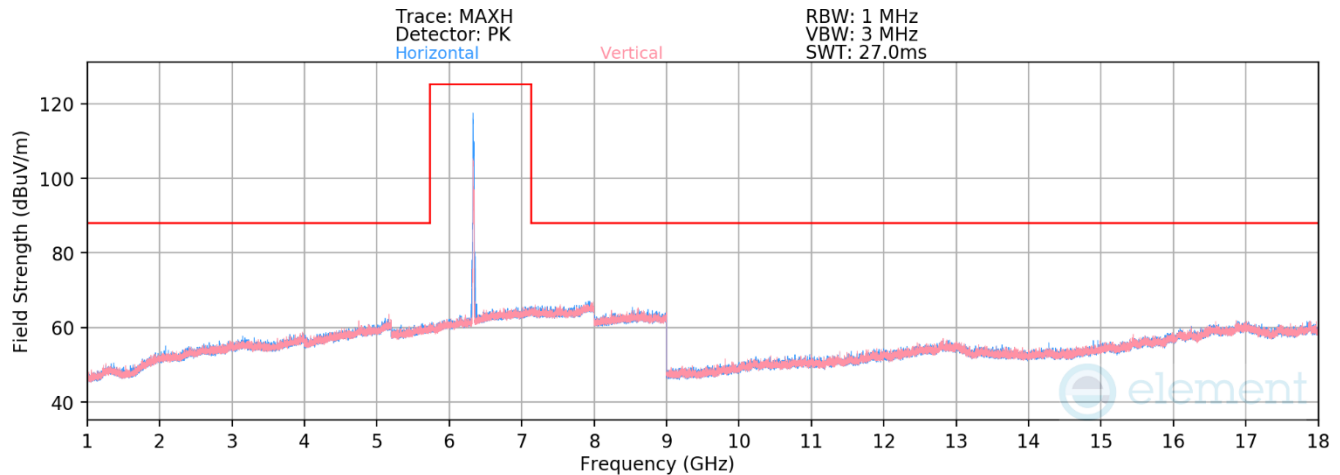
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 12550.00	Average	H	-	-	-84.82	21.12	43.30	53.98	-10.68
* 12550.00	Peak	H	-	-	-73.99	21.12	54.12	73.98	-19.86

Table 7-59. Radiated Spurious Emission Measurements Antenna WF7a – RU106

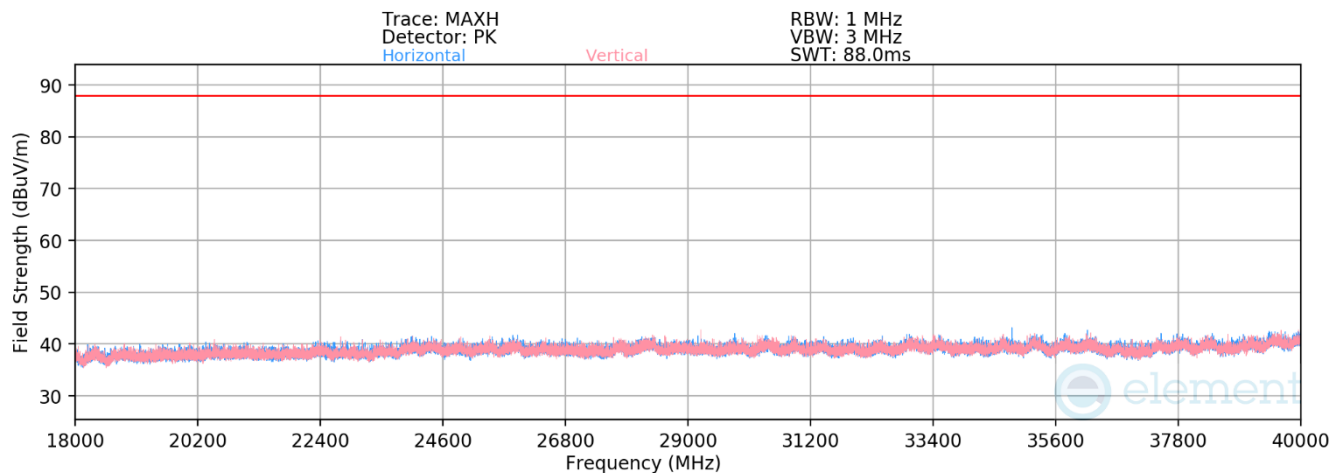
FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 105 of 148

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Plot 7-182. Radiated Spurious Emissions 1-18GHz Antenna WF7a (802.11ax – Ch. 77 – RU106)



Plot 7-183. Radiated Spurious Emissions 18-40GHz Antenna WF7a (802.11ax – Ch. 77 – RU106)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6335MHz
Channel: 77

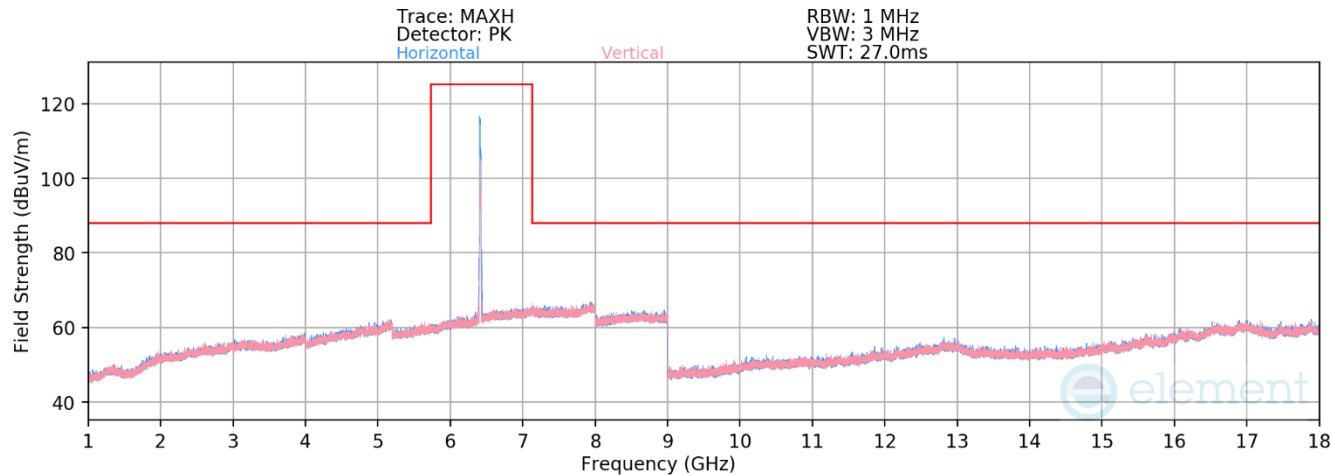
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 12670.00	Average	V	-	-	-85.41	21.45	43.04	53.98	-10.94
* 12670.00	Peak	V	-	-	-73.67	21.35	54.68	73.98	-19.30

Table 7-60. Radiated Spurious Emission Measurements Antenna WF7a – RU106

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 106 of 148

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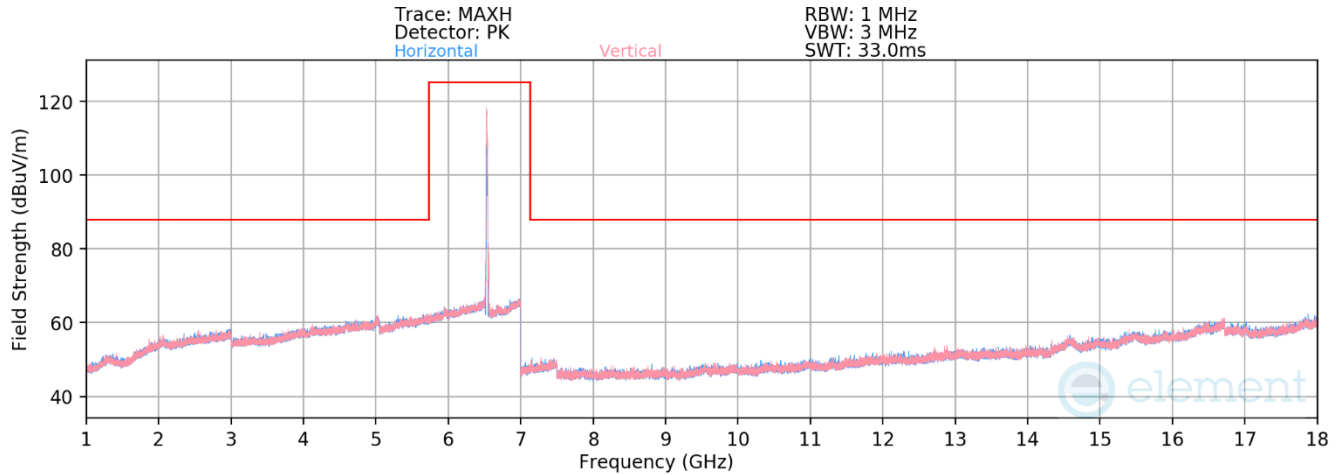
Plot 7-184. Radiated Spurious Emissions 1-18GHz Antenna WF7a (802.11ax – Ch. 93 – RU106)

Mode:	802.11ax
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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12830.00	Average	H	-	-	-85.05	21.88	43.82	68.23	-24.41
12830.00	Peak	H	-	-	-73.76	22.04	55.28	88.23	-32.95

Table 7-61. Radiated Spurious Emission Measurements Antenna WF7a – RU106

FCC ID: BCGA3266	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 107 of 148



Plot 7-185. Radiated Spurious Emissions 1-18GHz Antenna WF7a (802.11ax – Ch. 117 – RU106)

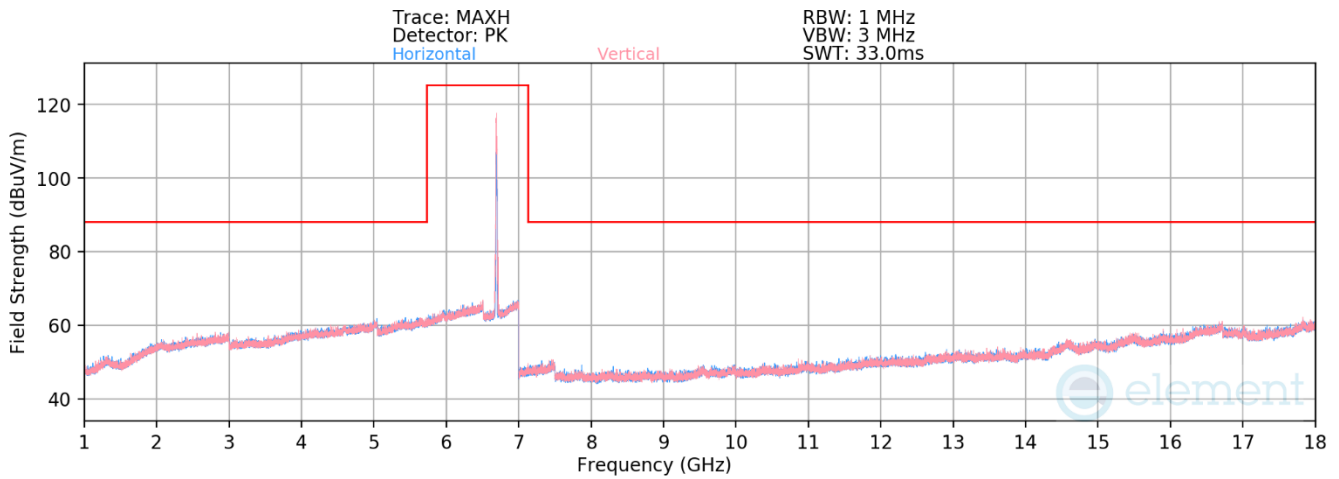
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6535MHz
Channel: 117

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	H	-	-	-81.29	15.81	41.52	68.23	-26.71
13070.00	Peak	H	-	-	-70.37	15.81	52.44	88.23	-35.79

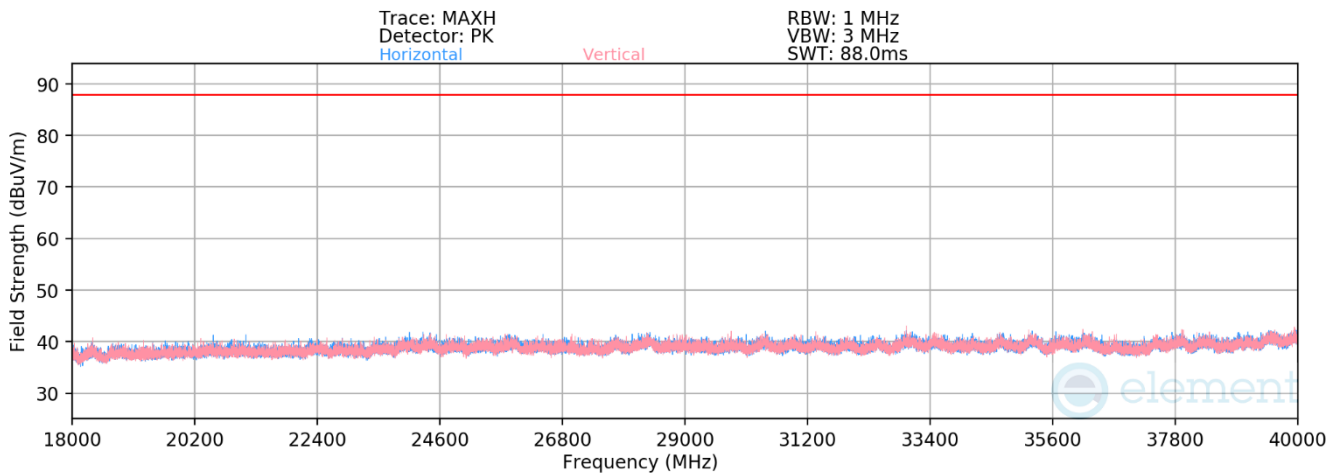
Table 7-62. Radiated Spurious Emission Measurements Antenna WF7a – RU106

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 108 of 148

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Plot 7-186. Radiated Spurious Emissions 1-18GHz Antenna WF7a (802.11ax – Ch. 149 – RU106)



Plot 7-187. Radiated Spurious Emissions 18-40GHz Antenna WF7a (802.11ax – Ch. 149 – RU106)

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

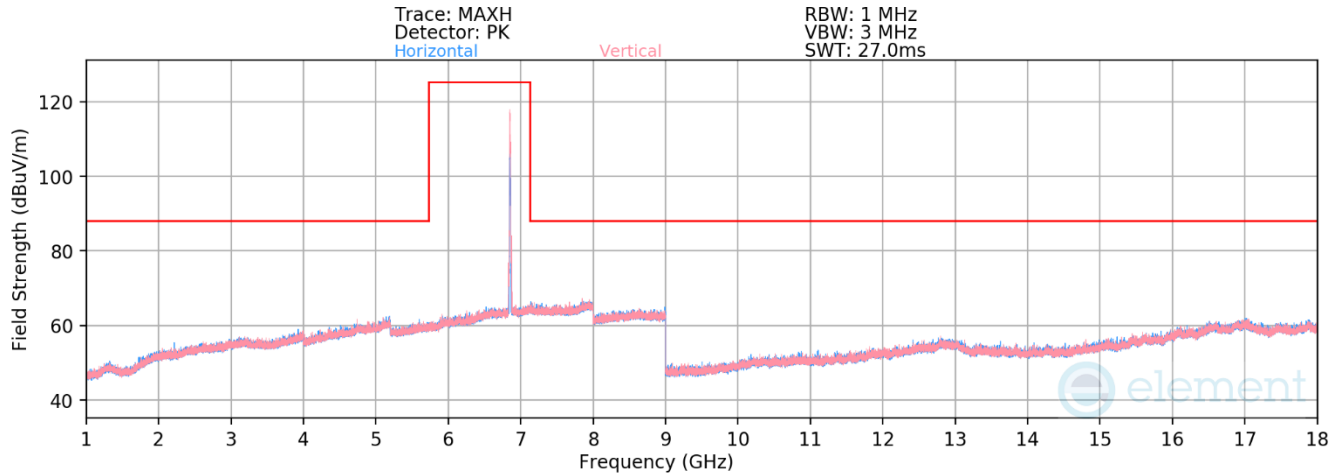
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	13390.00	Average	H	-	-	-81.23	15.81	41.58	53.98	-12.40
*	13390.00	Peak	H	-	-	-70.28	15.51	52.23	73.98	-21.75

Table 7-63. Radiated Spurious Emission Measurements Antenna WF7a – RU106

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 109 of 148

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Plot 7-188. Radiated Spurious Emissions 1-18GHz Antenna WF7a (802.11ax – Ch. 181 – RU106)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6855MHz
Channel: 181

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]
13710.00	Average	H	-	-	-85.92	22.04	43.12	68.23	-25.11
13710.00	Peak	H	-	-	-74.19	21.70	54.50	88.23	-33.73

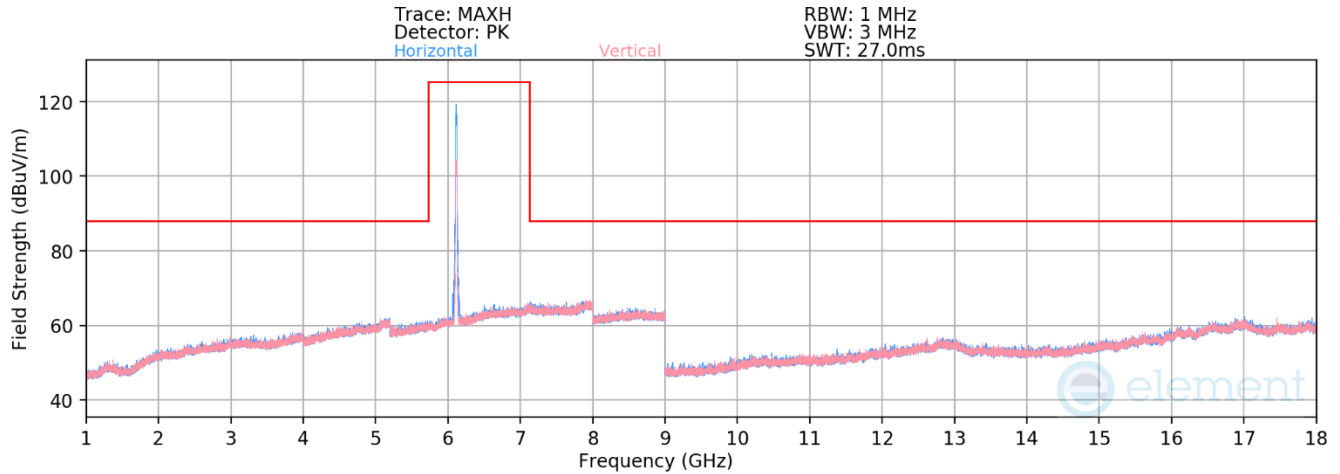
Table 7-64. Radiated Spurious Emission Measurements Antenna WF7a – RU106

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 110 of 148

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7.7.4 SDM Radiated Spurious Emission

RU242



Plot 7-189. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 33 – RU242)

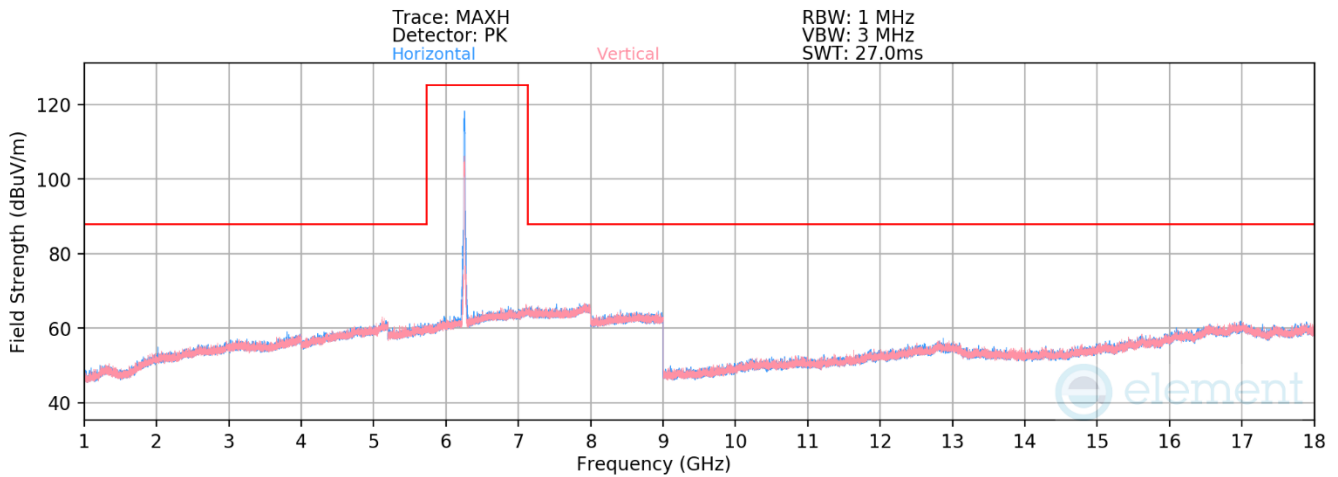
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6115MHz
Channel: 33

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	V	-	-	-85.32	20.56	42.24	53.98	-11.74
* 12230.00	Peak	V	-	-	-74.34	20.56	53.22	73.98	-20.76

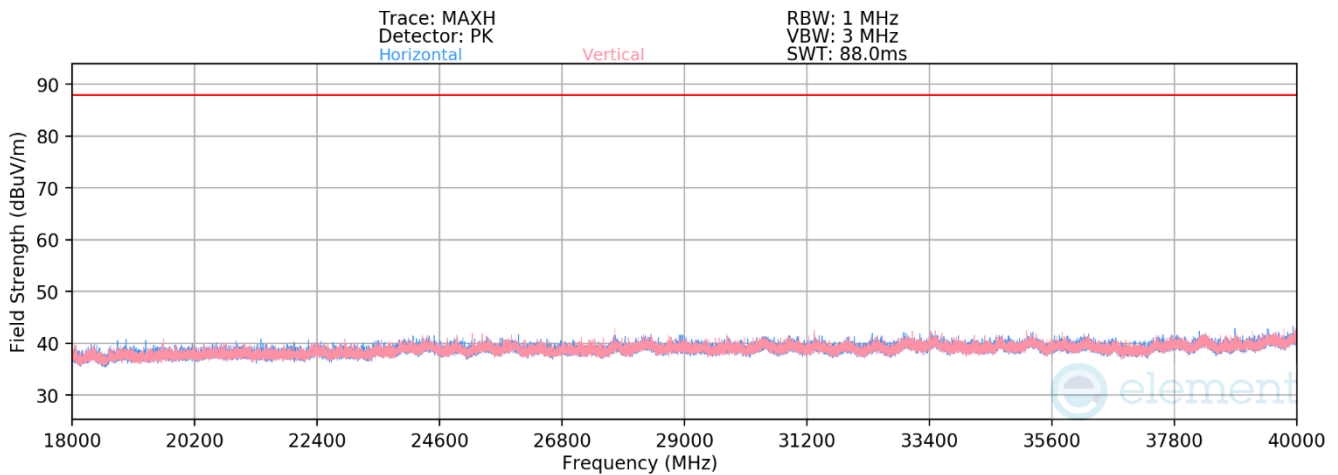
Table 7-65. Radiated Spurious Emission Measurements SDM – RU242

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 111 of 148

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Plot 7-190. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 61 – RU242)



Plot 7-191. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 61 – RU242)

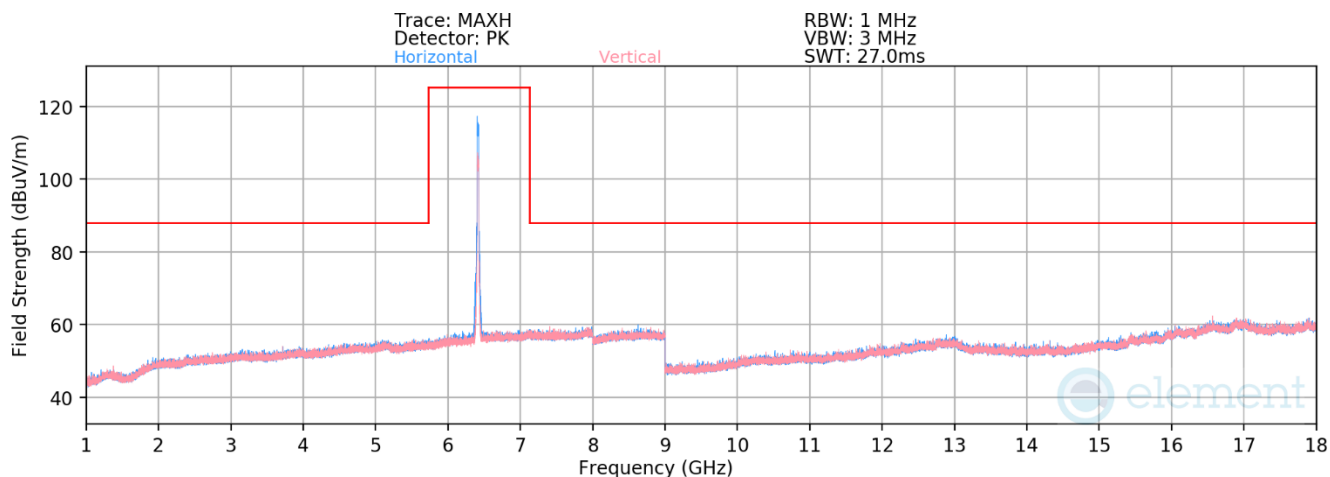
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6255MHz
Channel: 61

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 12510.00	Average	V	-	-	-84.89	21.30	43.41	53.98	-10.57
* 12510.00	Peak	V	-	-	-73.29	21.30	55.01	73.98	-18.97

Table 7-66. Radiated Spurious Emission Measurements SDM – RU242

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 112 of 148

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Plot 7-192. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 93 – RU242)

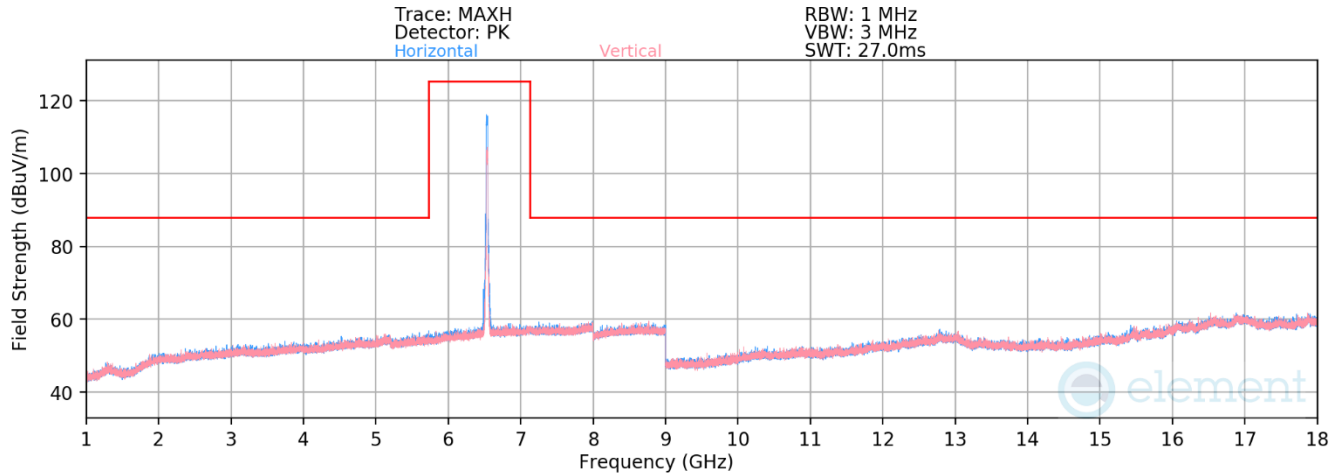
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6415MHz
Channel: 93

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12830.00	Average	V	-	-	-85.39	22.27	43.88	68.23	-24.35
12830.00	Peak	V	-	-	-73.82	22.27	55.45	88.23	-32.78

Table 7-67. Radiated Spurious Emission Measurements SDM – RU242

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 113 of 148

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Plot 7-193. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 117 – RU242)

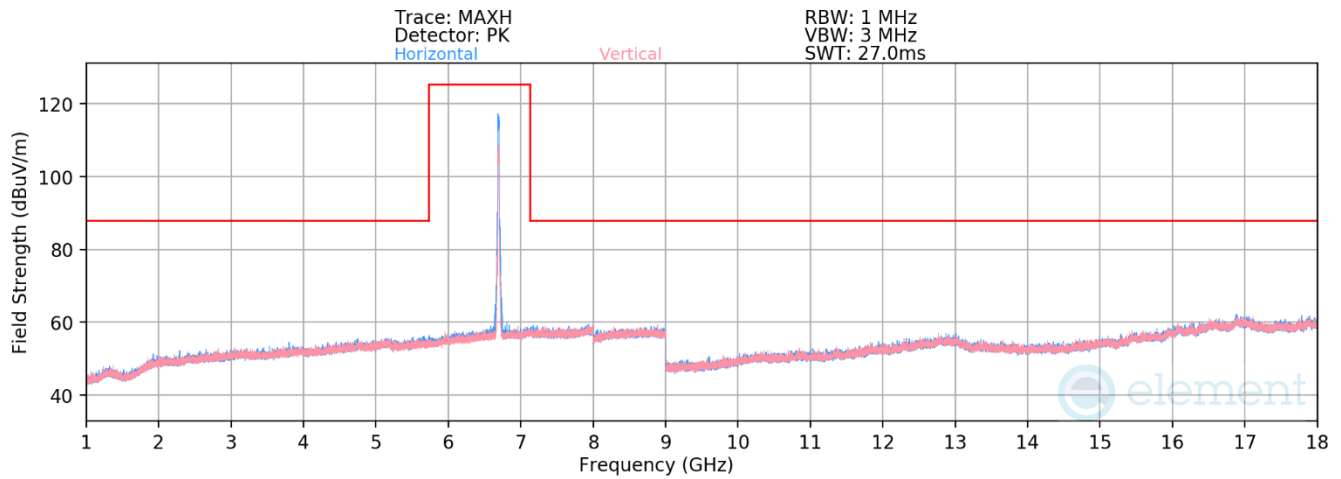
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6535MHz
Channel: 117

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13070.00	Average	V	-	-	-85.26	22.21	43.95	68.23	-24.28
13070.00	Peak	V	-	-	-74.04	22.21	55.17	88.23	-33.06

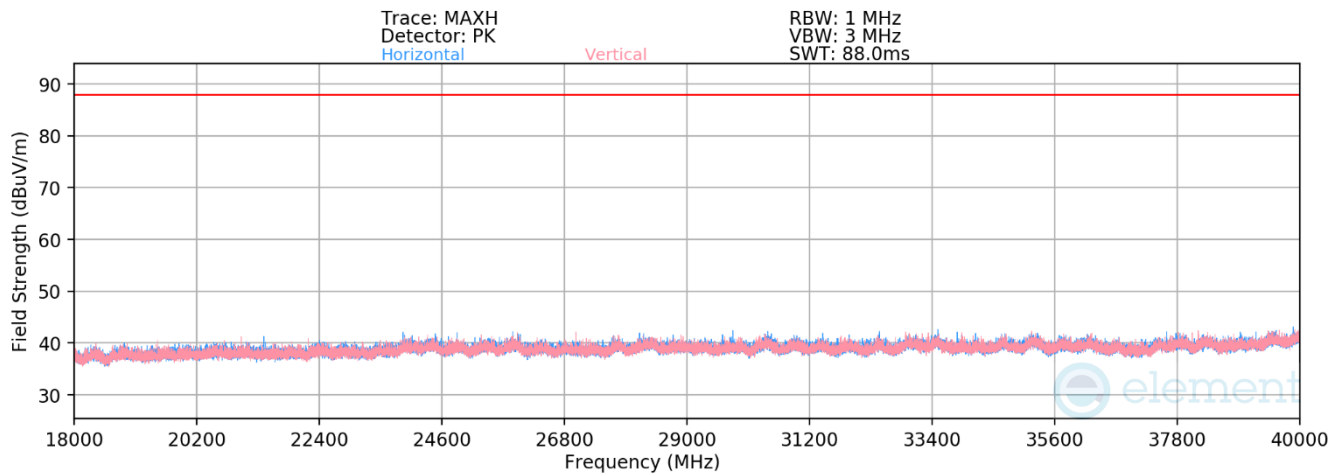
Table 7-68. Radiated Spurious Emission Measurements SDM – RU242

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 114 of 148

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Plot 7-194. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 149 – RU242)



Plot 7-195. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 149 – RU242)

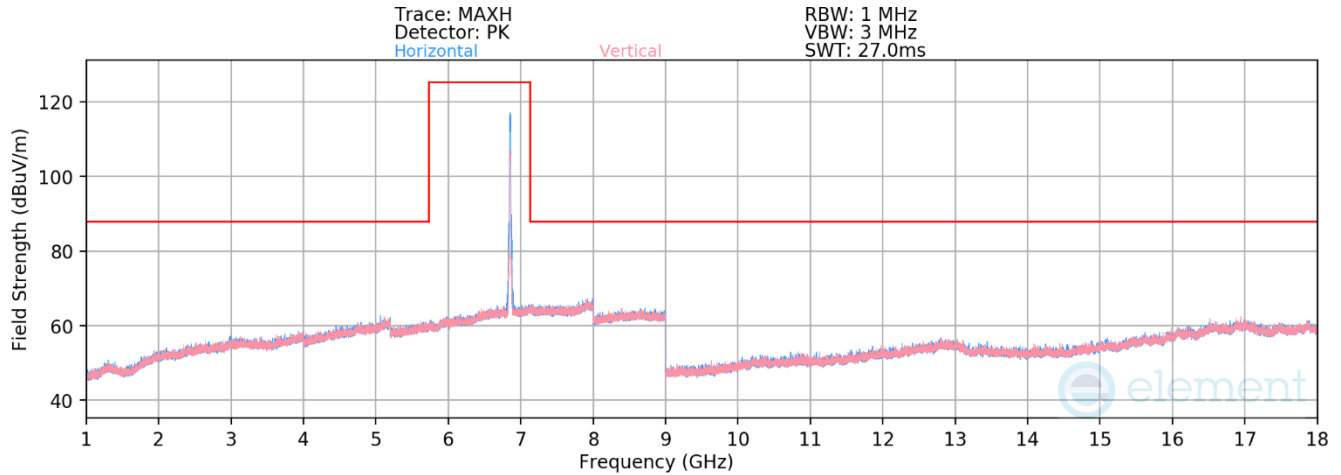
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6695MHz
Channel: 149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 13390.00	Average	H	-	-	-85.51	22.13	43.62	53.98	-10.36
* 13390.00	Peak	H	-	-	-73.99	22.13	55.14	73.98	-18.84

Table 7-69. Radiated Spurious Emission Measurements SDM– RU242

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device		Page 115 of 148

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Plot 7-196. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 181 – RU242)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6855MHz
Channel: 181

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]
13710.00	Average	V	-	-	-85.65	21.73	43.08	68.23	-25.15
13710.00	Peak	V	-	-	-74.93	21.73	53.80	88.23	-34.43

Table 7-70. Radiated Spurious Emission Measurements SDM – RU242

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 116 of 148

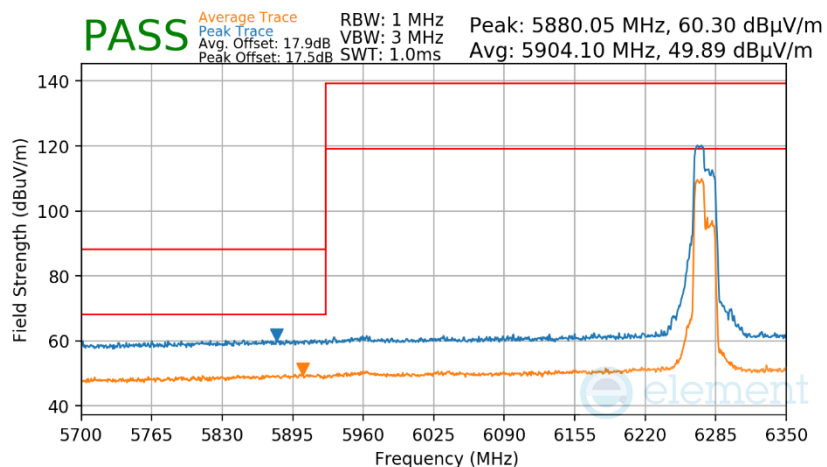
V 10.6 10/27/2023

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

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6275MHz
Channel:	65



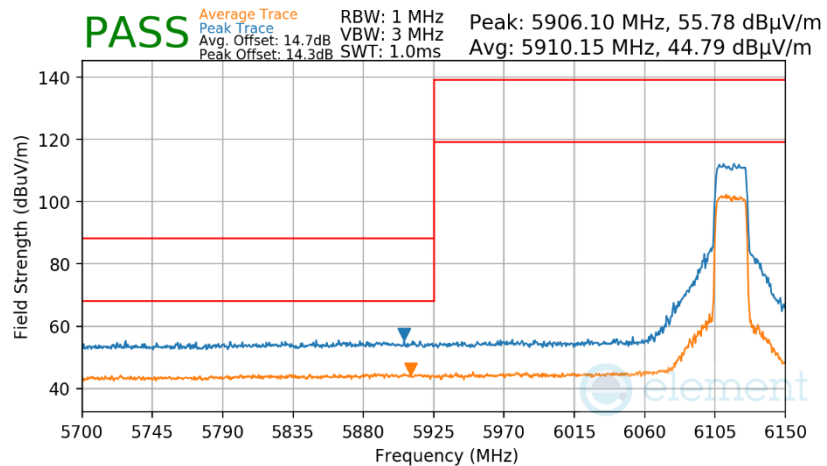
Plot 7-197 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 117 of 148

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RU242

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 6115MHz
 Channel: 33



Plot 7-198 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

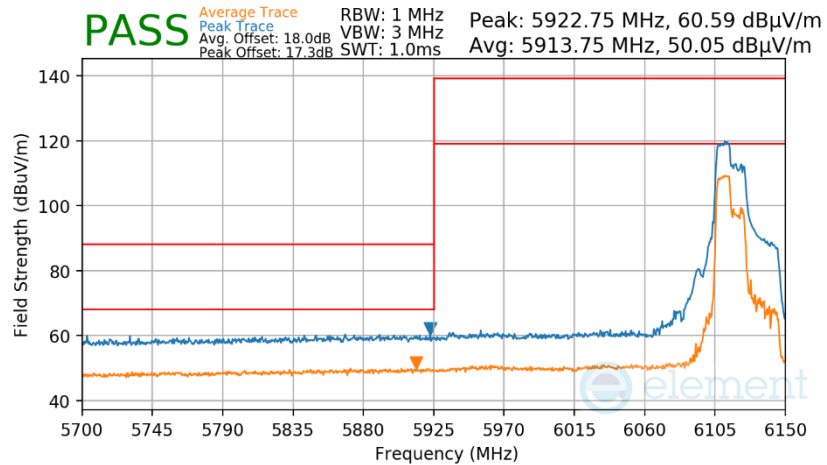
FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 118 of 148

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7.7.7 Antenna WF8 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode: 802.11ax OFDMA
Transfer Rate: MCS11
RU Index: 53
Distance of Measurements: 3 Meters
Operating Frequency: 6125MHz
Channel: 35



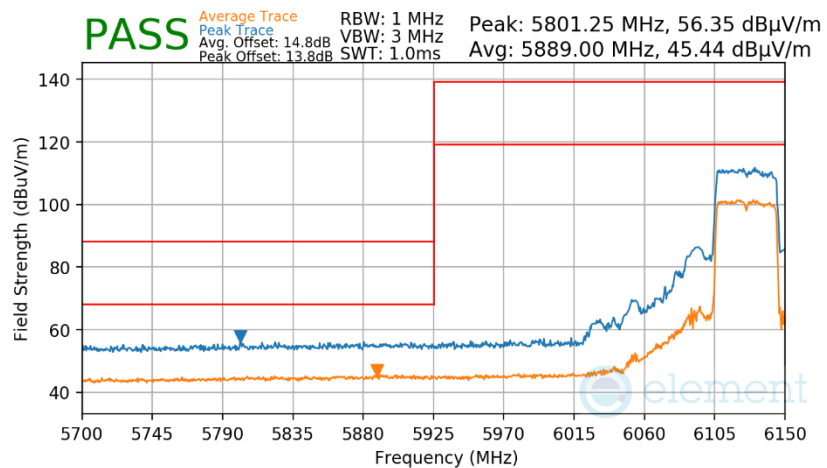
Plot 7-199 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 119 of 148


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RU484

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 6125MHz
 Channel: 35



Plot 7-200 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 120 of 148

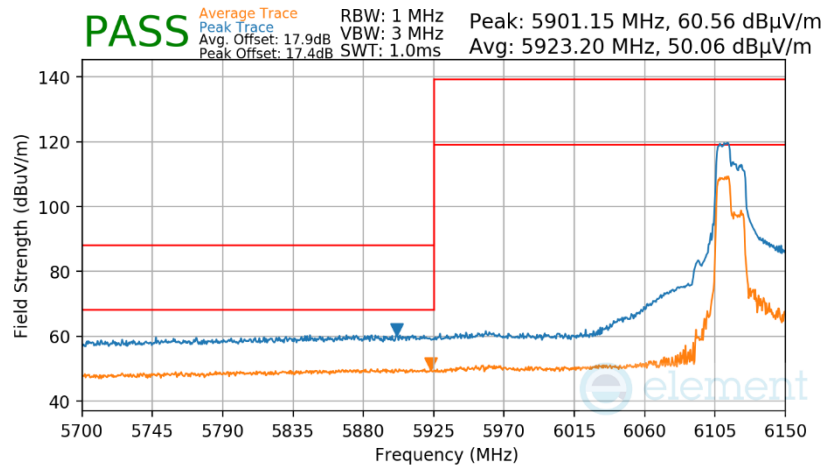
V 10.6 10/27/2023

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

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



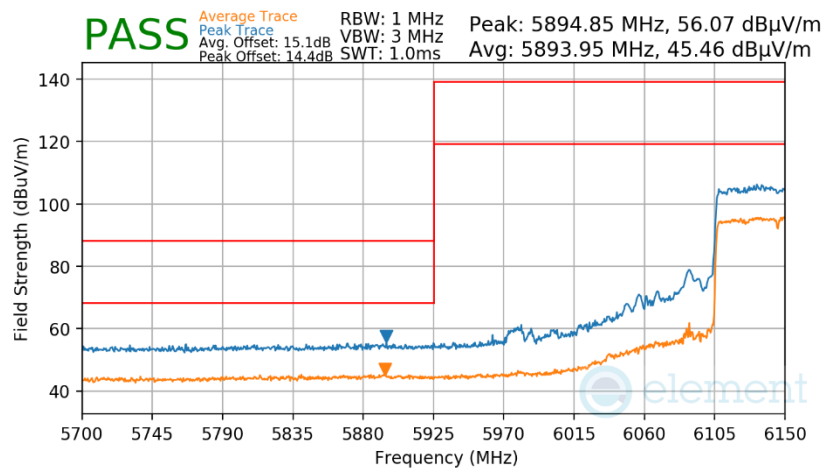
Plot 7-201 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 121 of 148


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RU996

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 6145MHz
 Channel: 39



Plot 7-202 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

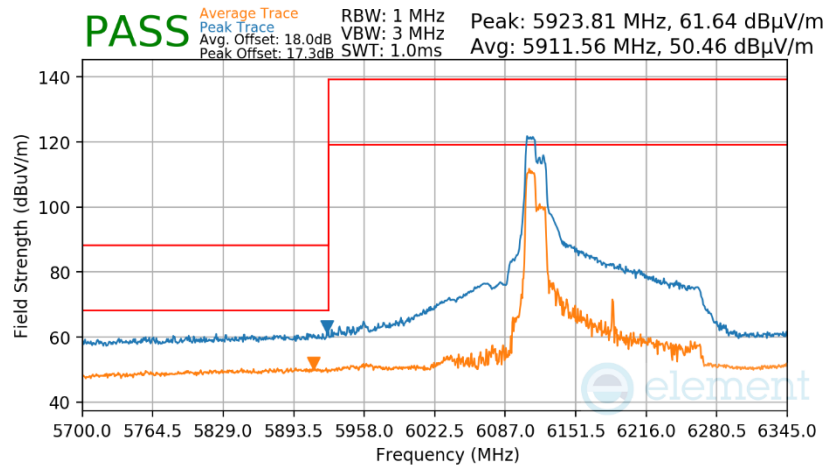
FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 122 of 148

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7.7.9 Antenna WF8 Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	47



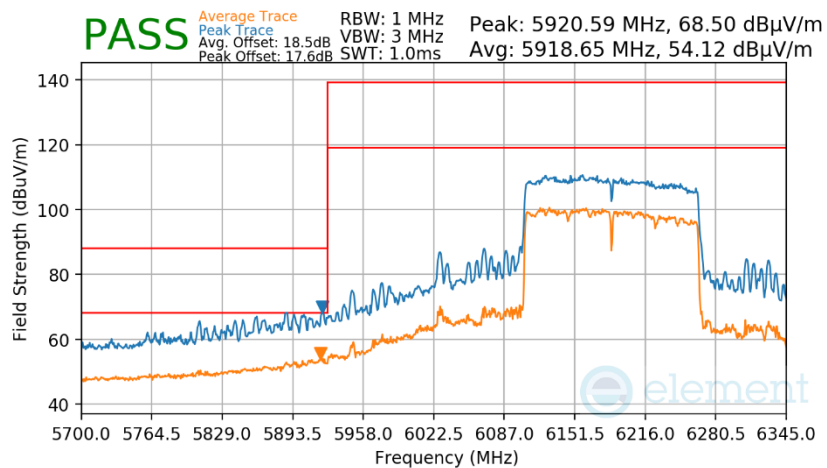
Plot 7-203 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 123 of 148


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RU996x2

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	68
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	47



Plot 7-204 Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 124 of 148

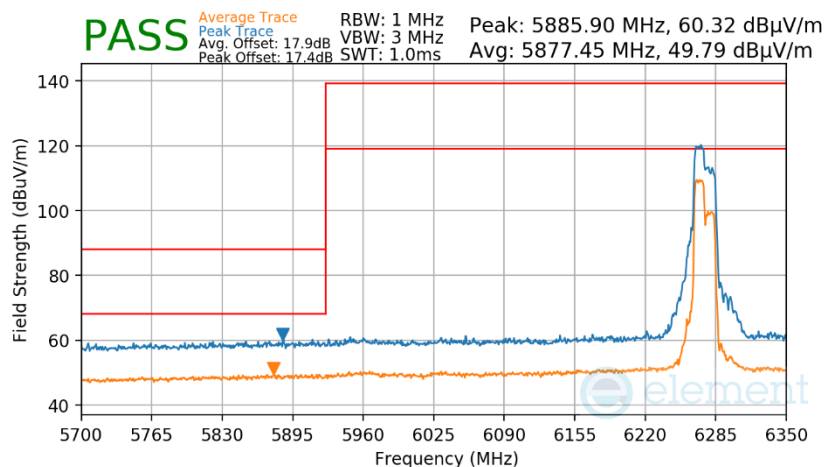
V 10.6 10/27/2023

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


§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6115MHz
Channel:	65



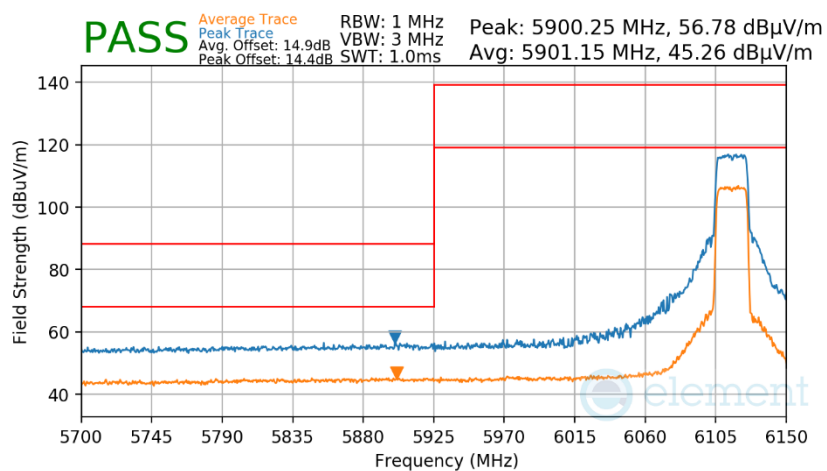
Plot 7-205 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 125 of 148


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RU242

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 6115MHz
 Channel: 33



Plot 7-206 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 126 of 148

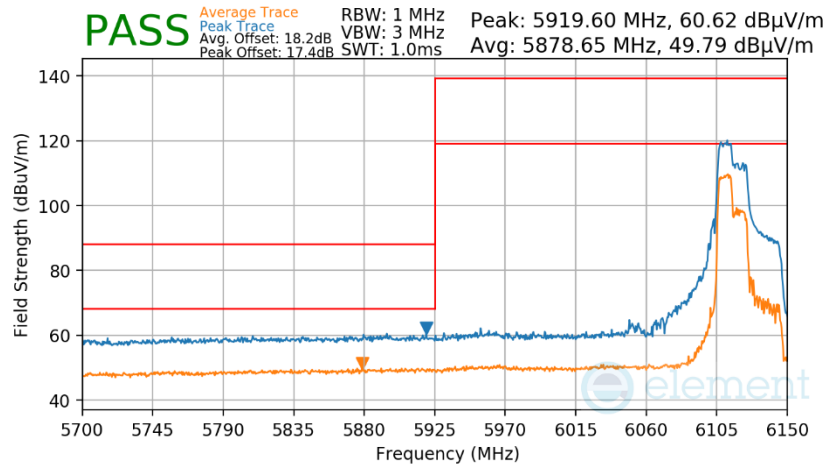
V 10.6 10/27/2023

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

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35



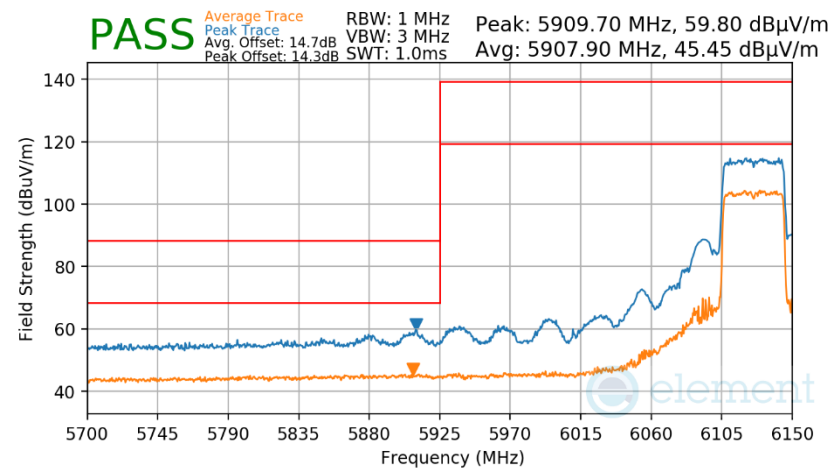
Plot 7-207 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 127 of 148

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RU484

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35



Plot 7-208 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

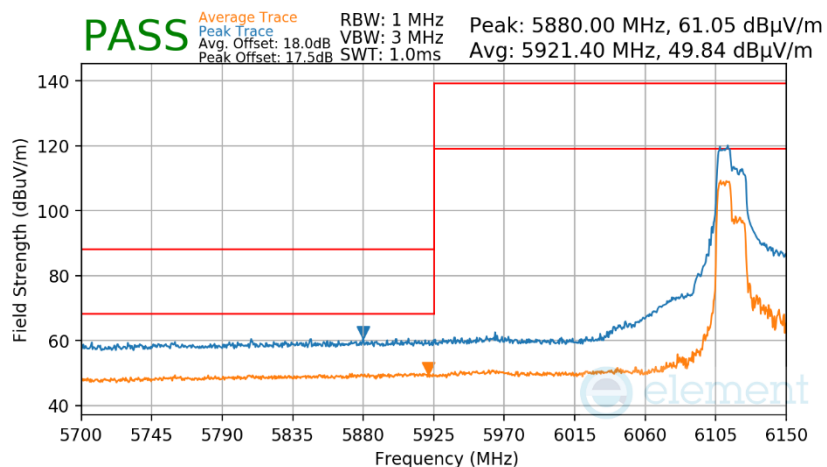
FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 128 of 148

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


§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



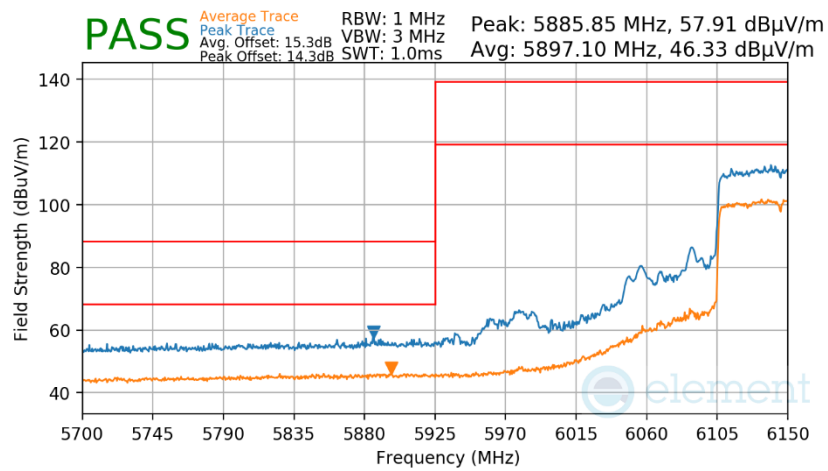
Plot 7-209 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 129 of 148

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RU996

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



Plot 7-210 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 130 of 148

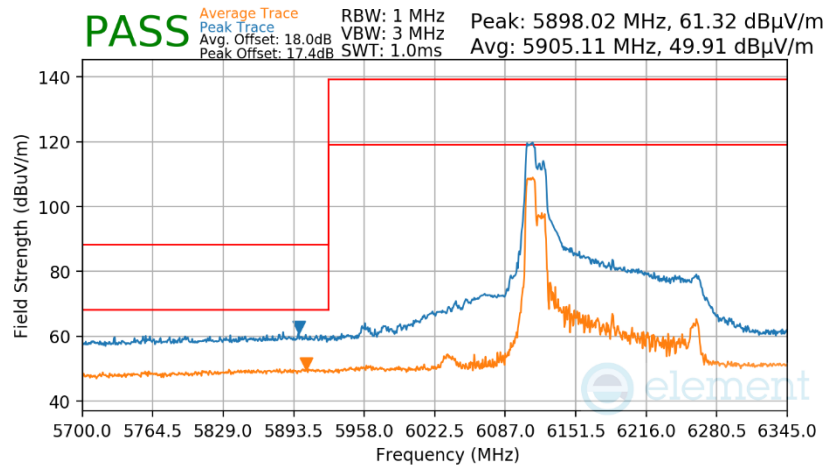
V 10.6 10/27/2023

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7.7.13 Antenna WF7a Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU106

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	47



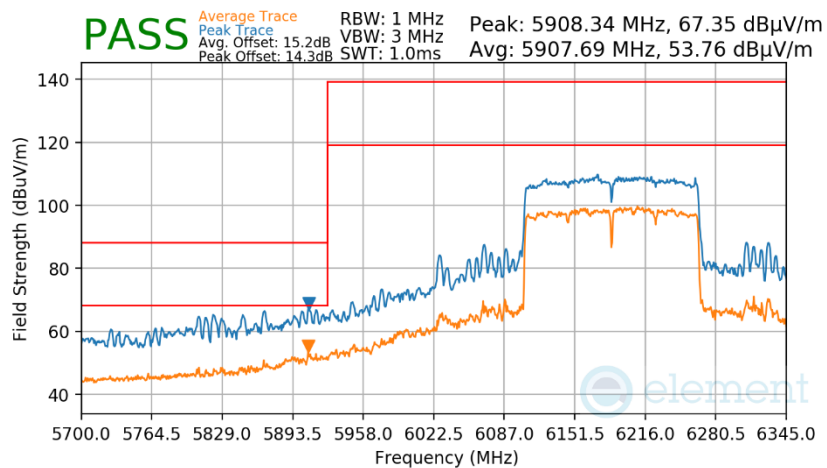
Plot 7-211 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 131 of 148


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RU996x2

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 68
 Distance of Measurements: 3 Meters
 Operating Frequency: 6145MHz
 Channel: 47



Plot 7-212 Antenna WF7a Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 132 of 148

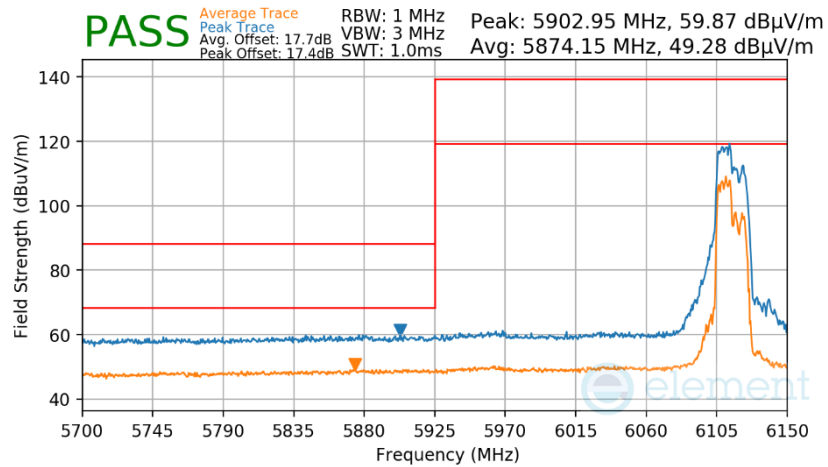
V 10.6 10/27/2023

7.7.15 SDM Radiated Band Edge Measurements (20MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6115MHz
Channel:	33



Plot 7-213 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 133 of 148

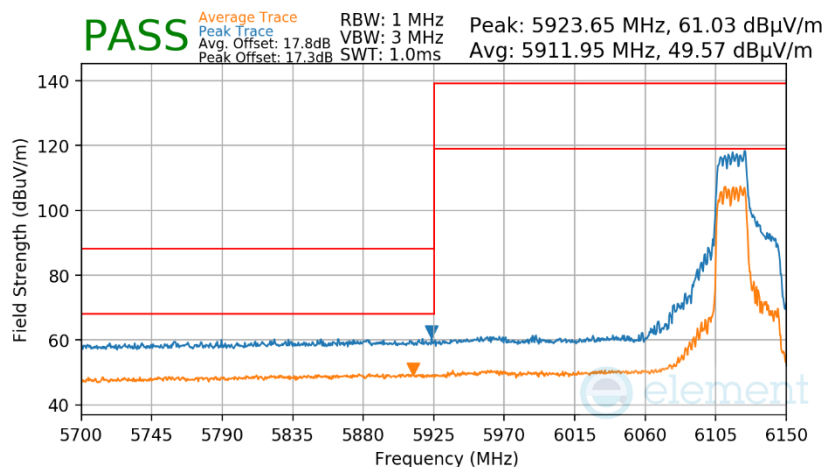
V 10.6 10/27/2023


7.7.16 SDM Radiated Band Edge Measurements (40MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35

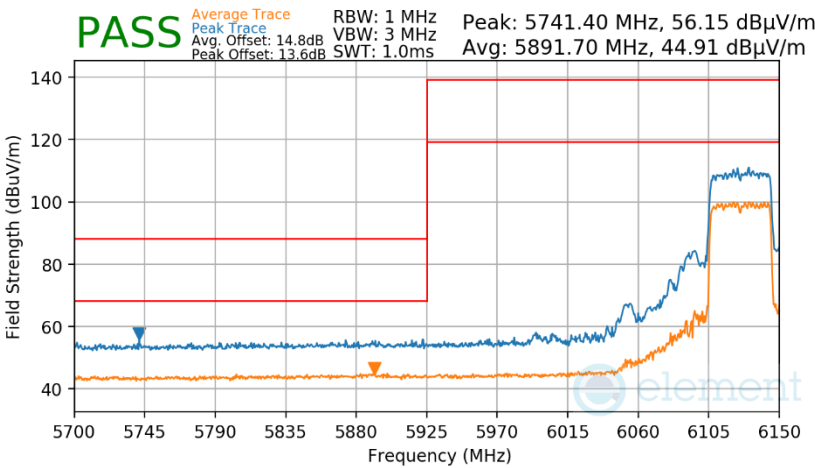


FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 134 of 148


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RU484

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35



Plot 7-215 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

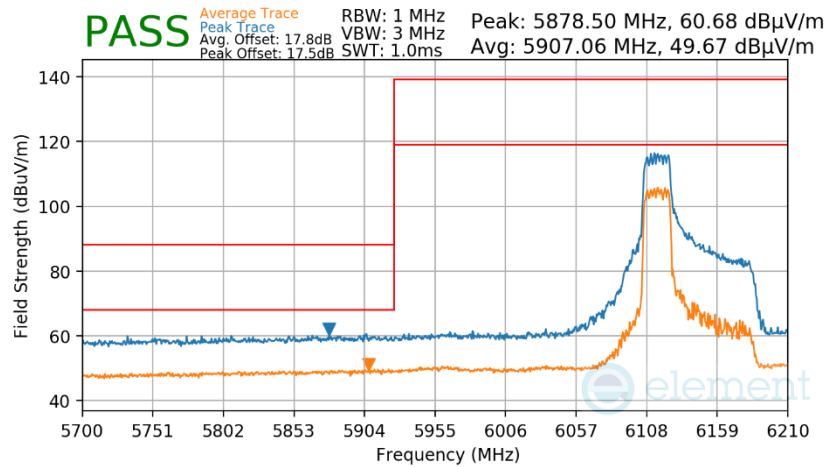
FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 135 of 148

7.7.17 SDM Radiated Band Edge Measurements (80MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



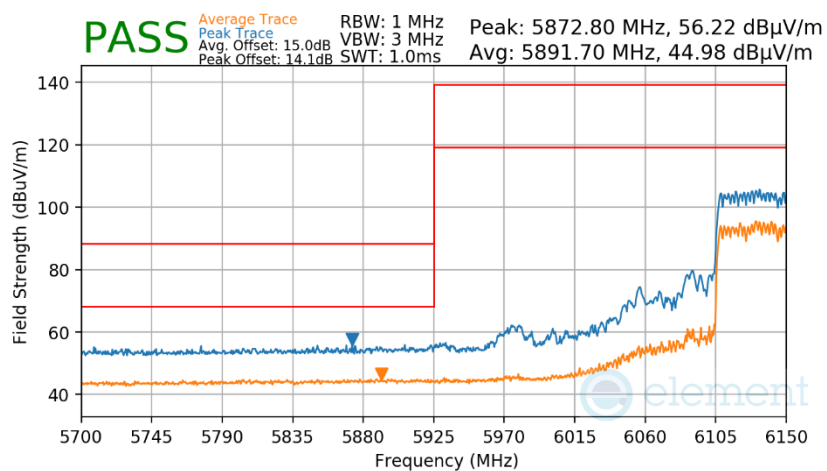
Plot 7-216 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 136 of 148

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RU996

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 6145MHz
 Channel: 39



Plot 7-217 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 137 of 148

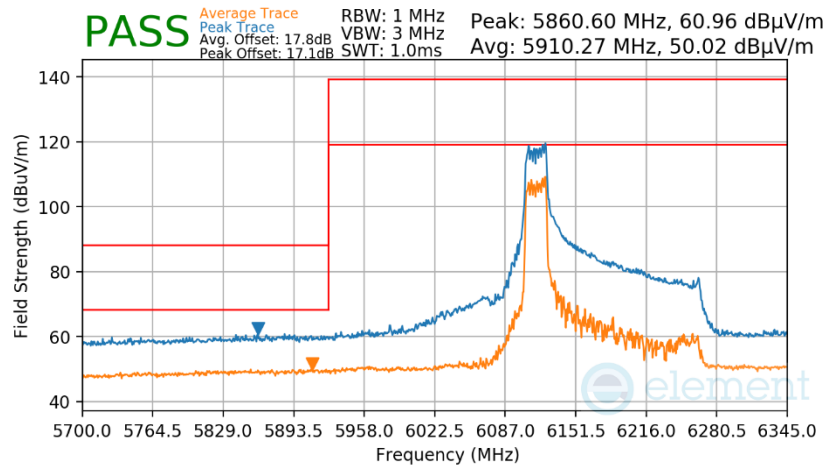
V 10.6 10/27/2023

7.7.18 SDM Radiated Band Edge Measurements (160MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6185MHz
Channel:	47



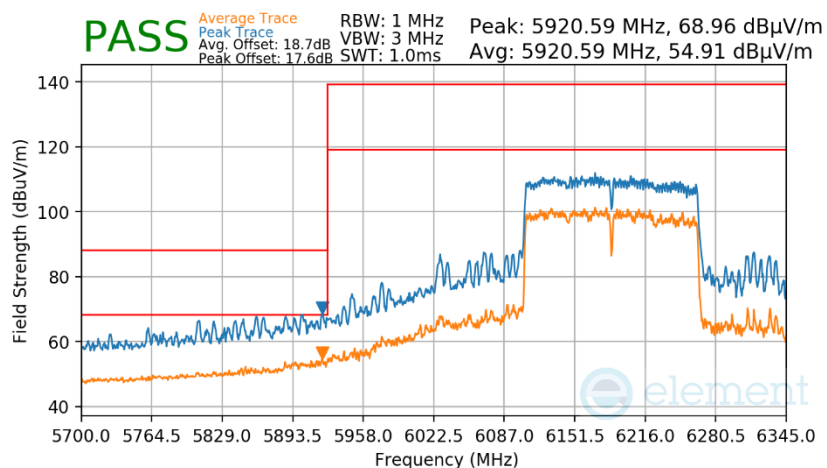
Plot 7-218 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 138 of 148


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RU996x2

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	68
Distance of Measurements:	3 Meters
Operating Frequency:	6185MHz
Channel:	47



Plot 7-219 SDM Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 139 of 148

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7.8 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 7-71 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/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 7-71. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

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

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 140 of 148

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Test Setup

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

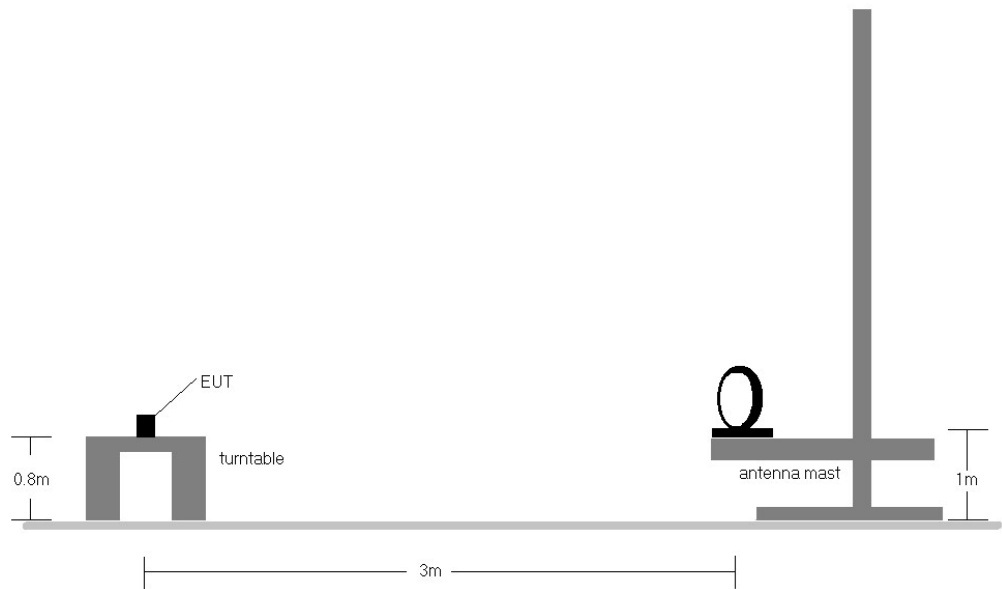


Figure 7-6. Radiated Test Setup < 30MHz

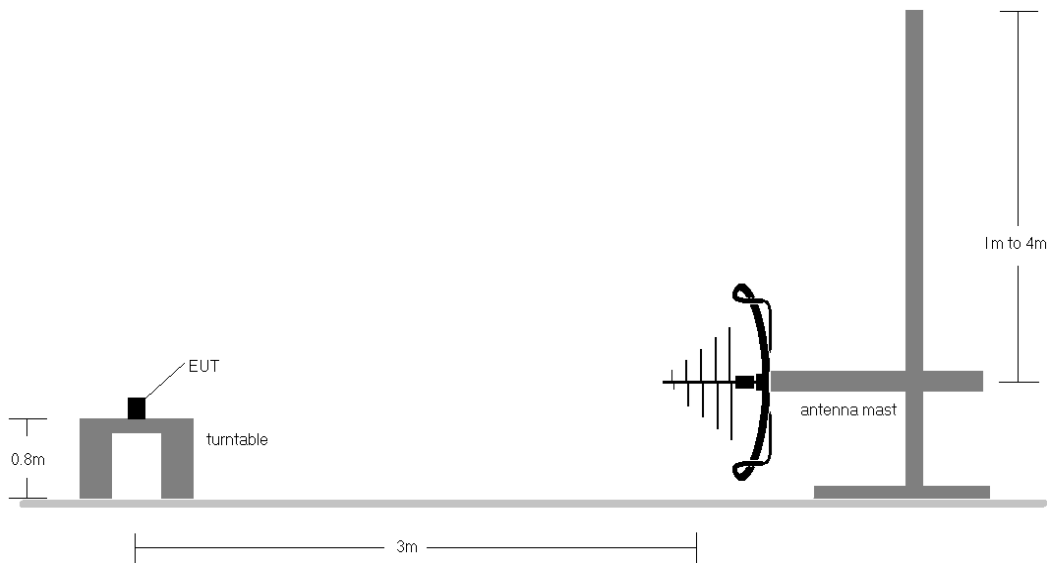



Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 141 of 148

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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 7-71.
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

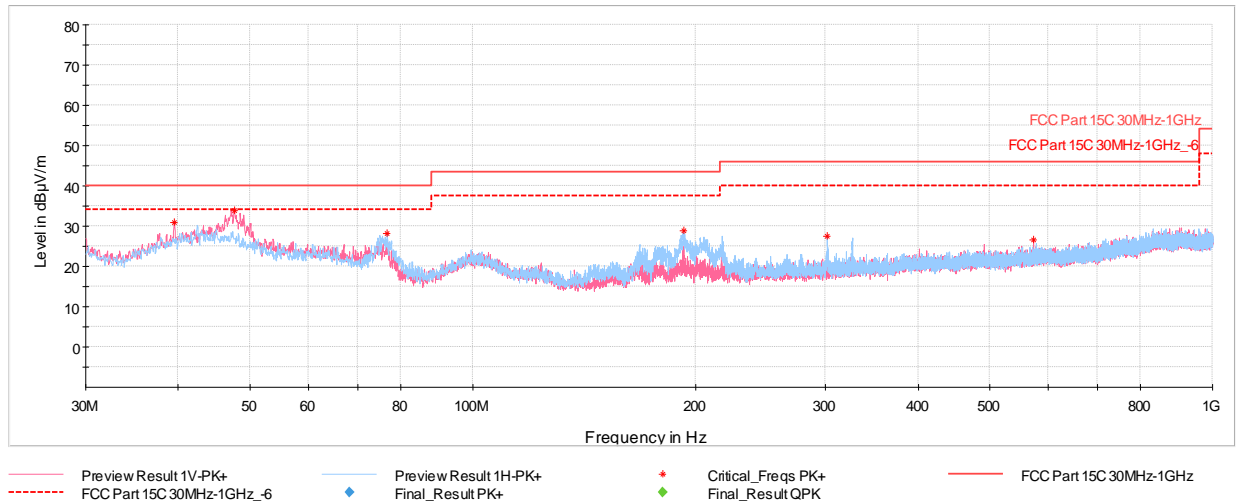
- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamp Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu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

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 142 of 148

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7.8.1 SDM Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-220. Radiated Spurious Emissions below 1GHz SDM (802.11ax – Ch.61 – RU242) with AC/DC adaptor via USB-C cable with wire charger

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]
39.56	Max-Peak	V	100	25	-60.08	-15.95	30.97	40.00	-9.03
47.65	Max-Peak	V	100	15	-58.71	-14.36	33.93	40.00	-6.07
76.66	Max-Peak	H	200	274	-57.51	-21.30	28.19	40.00	-11.81
193.06	Max-Peak	H	100	15	-61.92	-16.15	28.93	43.52	-14.59
301.70	Max-Peak	H	100	102	-66.17	-13.25	27.58	46.02	-18.44
573.10	Max-Peak	V	100	179	-73.09	-7.38	26.53	46.02	-19.49

Table 7-72. Radiated Spurious Emissions below 1GHz SDM (802.11ax – Ch.61 – RU242) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 143 of 148

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7.9 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 (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-73. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, 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

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210072-15-R2.BCG	Test Dates: 10/25/2024 - 1/13/2025	EUT Type: Tablet Device	Page 144 of 148

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Test Setup

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

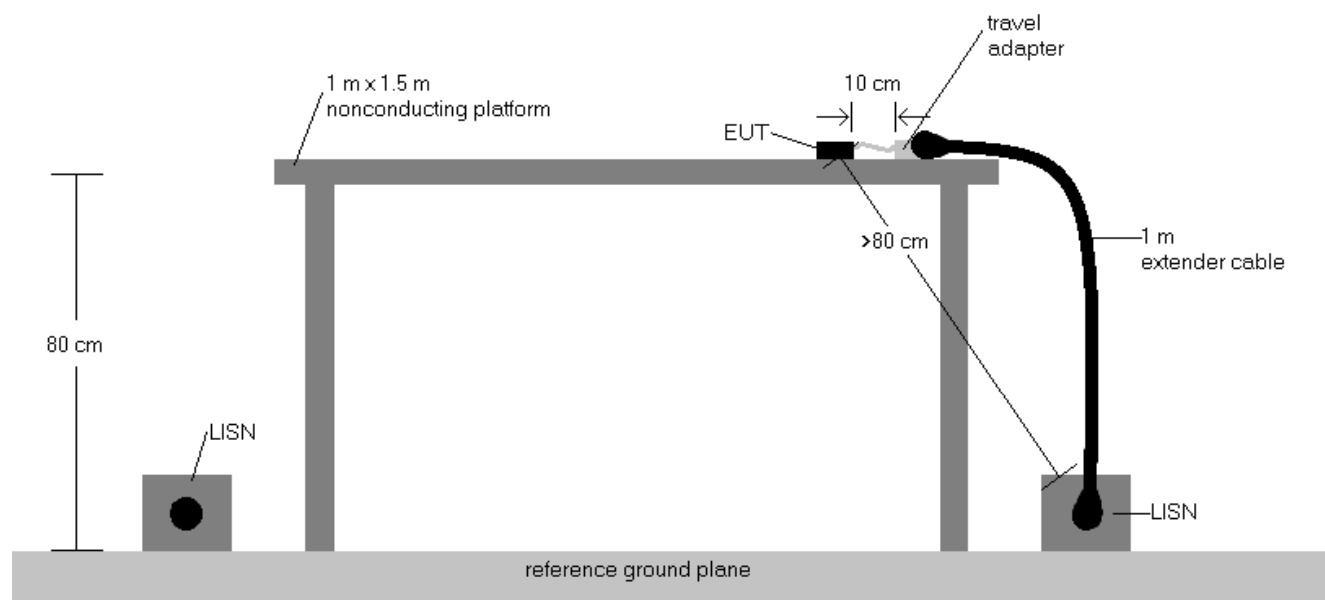



Figure 7-8. Test Instrument & Measurement Setup

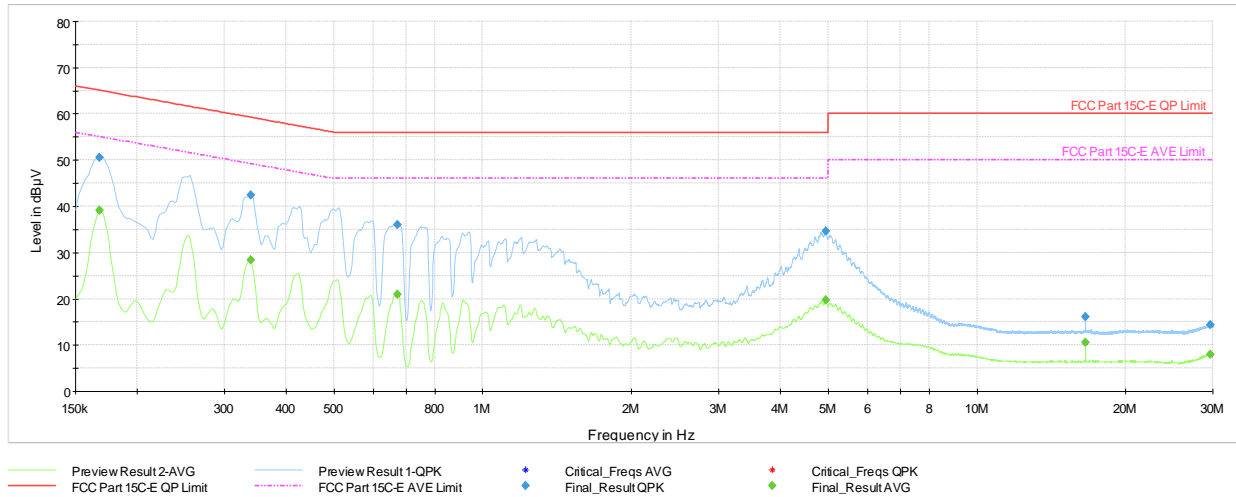
Test Notes

- 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.
- Both configurations below were investigated, and the worst case has been reported.
 - EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - EUT powered by host PC via USB-C cable with wire charger
- The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plots are made using quasi-peak and average detectors.
- Deviations to the Specifications: None.
- The unit was tested with all possible modes and only the highest emission is reported.

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7.9.1 Line-Conducted Emissions Measurements



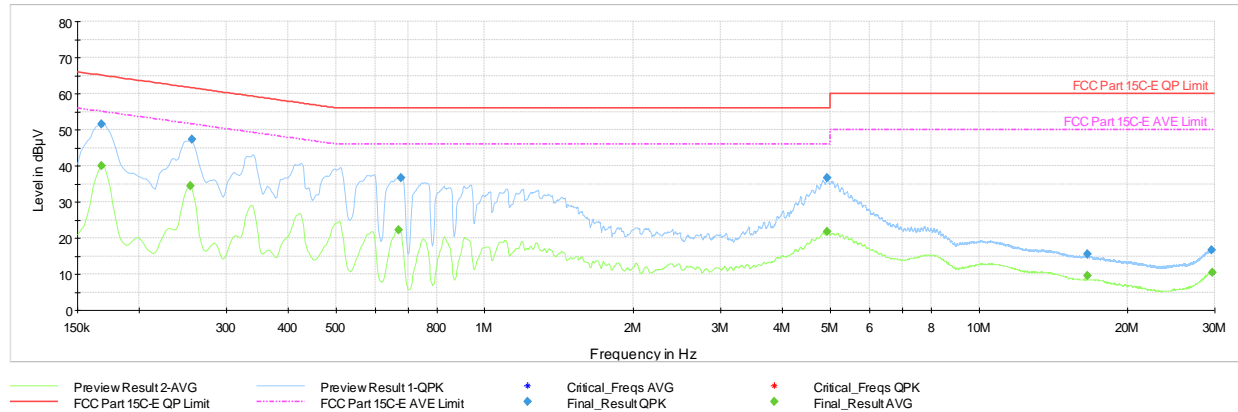
Plot 7-221. AC Line Conducted Plot with 11ax SDM UNII Band 5 – RU242 – Ch.61 (L1) with AC/DC adaptor via USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	39.13	55.06	-15.93	L1	GND
0.168	FINAL	50.7	—	65.06	-14.41	L1	GND
0.339	FINAL	—	28.32	49.23	-20.90	L1	GND
0.339	FINAL	42.4	—	59.23	-16.85	L1	GND
0.672	FINAL	—	21.02	46.00	-24.98	L1	GND
0.672	FINAL	36.1	—	56.00	-19.94	L1	GND
4.940	FINAL	34.7	—	56.00	-21.29	L1	GND
4.945	FINAL	—	19.76	46.00	-26.24	L1	GND
16.553	FINAL	16.0	—	60.00	-43.98	L1	GND
16.553	FINAL	—	10.60	50.00	-39.40	L1	GND
29.654	FINAL	—	7.94	50.00	-42.06	L1	GND
29.663	FINAL	14.4	—	60.00	-45.65	L1	GND

Table 7-74. AC Line Conducted Data with 11ax SDM UNII Band 5 – RU242 – Ch.61 (L1) with AC/DC adaptor via USB-C cable with wire charger

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Plot 7-222. AC Line Conducted Plot with 11ax SDM UNII Band 5 – RU242 – Ch.61 (N) with AC/DC adaptor via USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	40.02	55.06	-15.04	N	GND
0.168	FINAL	51.5	—	65.06	-13.58	N	GND
0.254	FINAL	—	34.40	51.64	-17.25	N	GND
0.256	FINAL	47.2	—	61.57	-14.34	N	GND
0.670	FINAL	—	22.21	46.00	-23.79	N	GND
0.677	FINAL	36.6	—	56.00	-19.39	N	GND
4.922	FINAL	—	21.71	46.00	-24.29	N	GND
4.927	FINAL	36.6	—	56.00	-19.42	N	GND
16.559	FINAL	15.6	—	60.00	-44.39	N	GND
16.559	FINAL	—	9.49	50.00	-40.51	N	GND
29.573	FINAL	16.8	—	60.00	-43.24	N	GND
29.618	FINAL	—	10.55	50.00	-39.45	N	GND


Table 7-75. AC Line Conducted Data with 11ax SDM UNII Band 5 – RU242 – Ch.61 (N) with AC/DC adaptor via USB-C cable with wire charger

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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: BCGA3266** and **IC: 579C-A3266** 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.

FCC ID: BCGA3266		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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