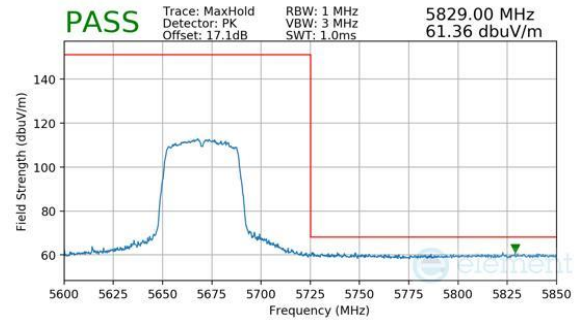
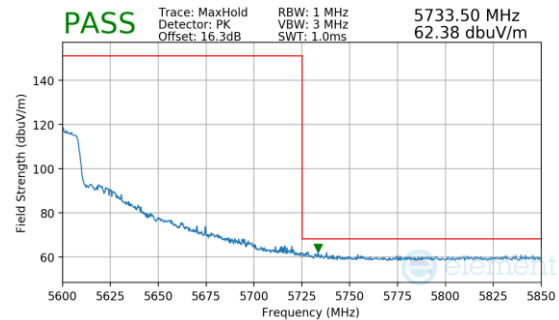


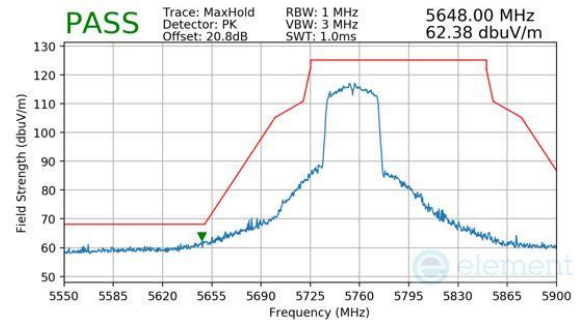
Plot 7-185. (FCC Only) Antenna WF8 (Peak & Average, Ch.118(Low), 802.11n, MCS7)



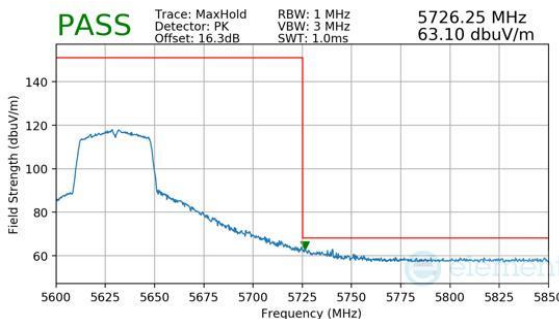
Plot 7-188. Antenna WF8 (Peak, Ch.134, 802.11n, MCS7)



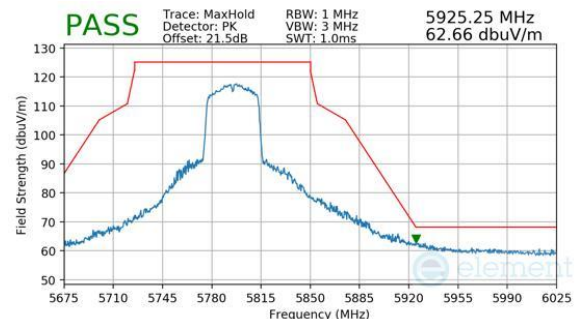
Plot 7-186. (FCC Only) Antenna WF8 (Peak & Average, Ch.118(High), 802.11n, MCS7)



Plot 7-189. Antenna WF8 (Peak, Ch.151, 802.11n, MCS7)



Plot 7-187. (FCC Only) Antenna WF8 (Peak, Ch.126, 802.11n, MCS7)

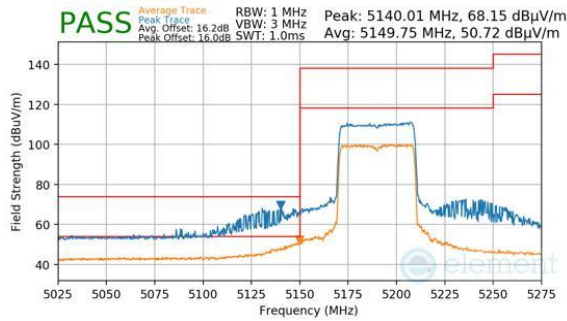


Plot 7-190. Antenna WF8 (Peak, Ch.159, 802.11n, MCS7)

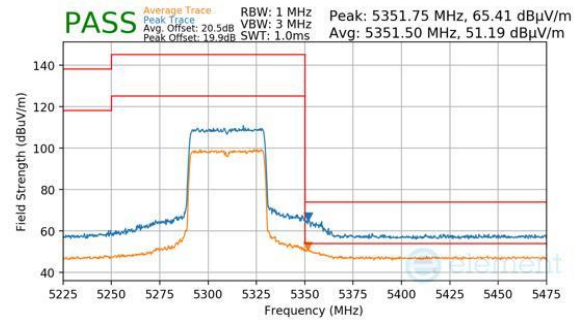
FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 130 of 159

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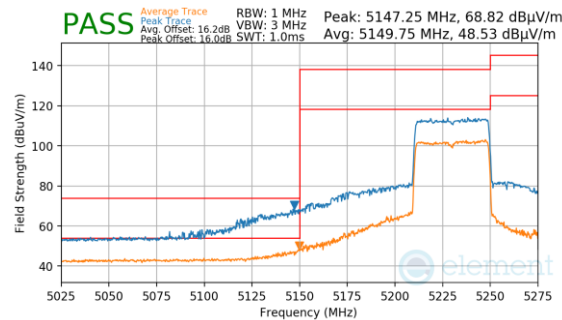
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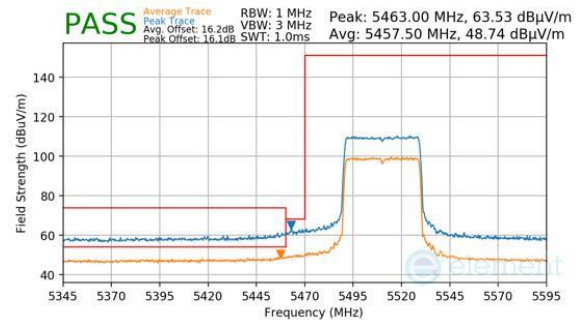
Plot 7-191. Antenna WF8 (Peak & Average, Ch.38, 802.11ax(SU), MCS11)



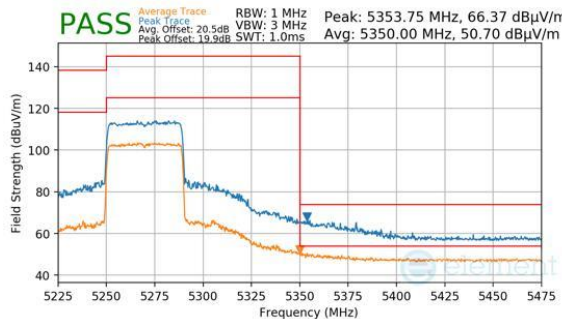
Plot 7-194. Antenna WF8 (Peak & Average, Ch.62, 802.11ax(SU), MCS11)



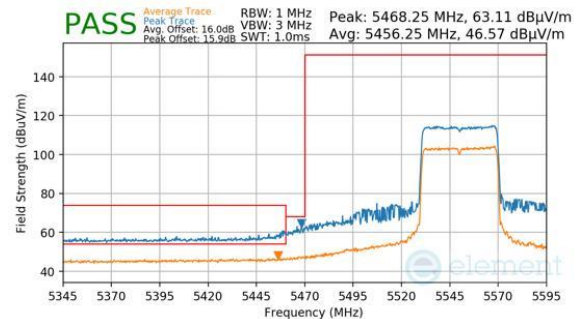
Plot 7-192. Antenna WF8 (Peak & Average, Ch.46, 802.11ax(SU), MCS11)



Plot 7-195. Antenna WF8 (Peak & Average, Ch.102, 802.11ax(SU), MCS11)



Plot 7-193. Antenna WF8 (Peak & Average, Ch.54, 802.11ax(SU), MCS11)

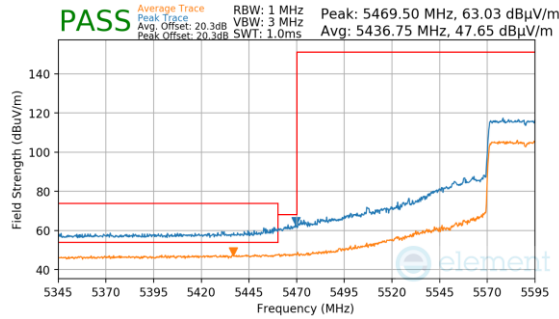


Plot 7-196. Antenna WF8 (Peak & Average, Ch.110, 802.11ax(SU), MCS11)

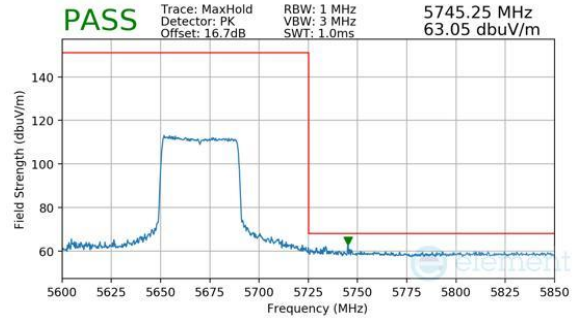
FCC ID: BCGA3354 IC: 579C-A3354			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 131 of 159

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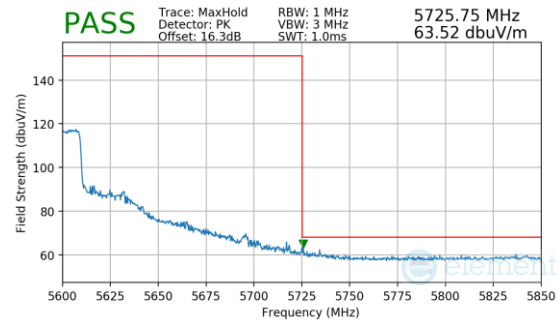
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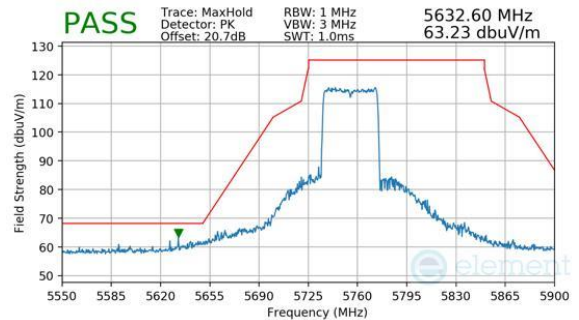
Plot 7-197. (FCC Only) Antenna WF8 (Peak & Average, Ch.118(Low), 802.11ax(SU), MCS11)



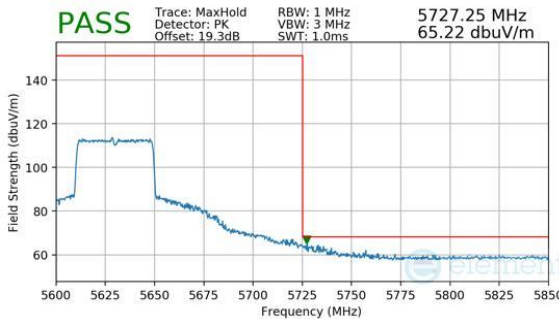
Plot 7-200. Antenna WF8 (Peak, Ch.134, 802.11ax(SU), MCS11)



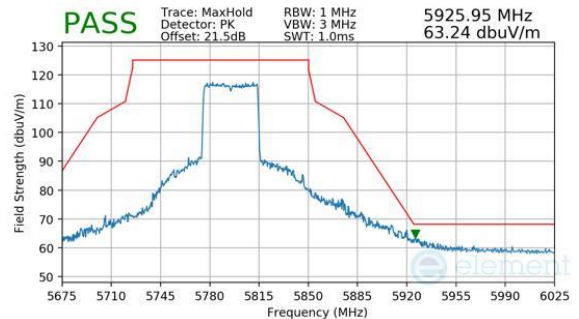
Plot 7-198. (FCC Only) Antenna WF8 (Peak & Average, Ch.118(High), 802.11ax(SU), MCS11)



Plot 7-201. Antenna WF8 (Peak, Ch.151, 802.11ax(SU), MCS11)



Plot 7-199. (FCC Only) Antenna WF8 (Peak, Ch.126, 802.11ax(SU), MCS11)



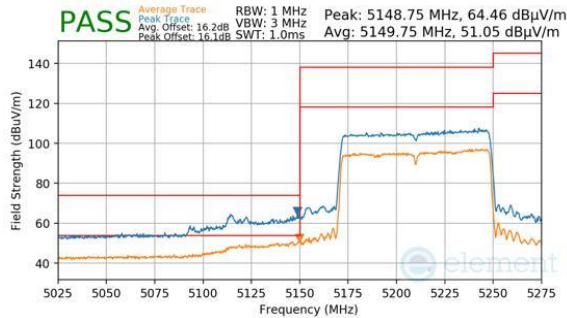
Plot 7-202. Antenna WF8 (Peak, Ch.159, 802.11ax(SU), MCS11)

FCC ID: BCGA3354 IC: 579C-A3354	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 132 of 159

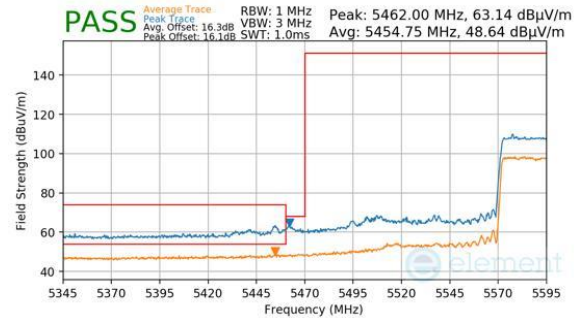
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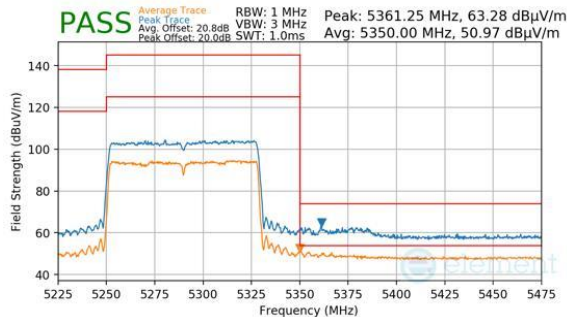
## 7.6.8 Antenna WF8 Radiated Band Edge Measurements (80MHz BW)



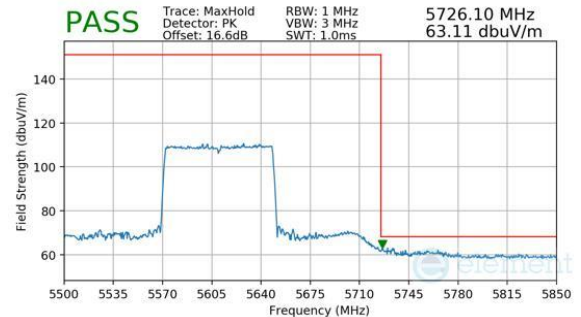
Plot 7-203. Antenna WF8 (Peak & Average, Ch.42, 802.11ac, MCS9)



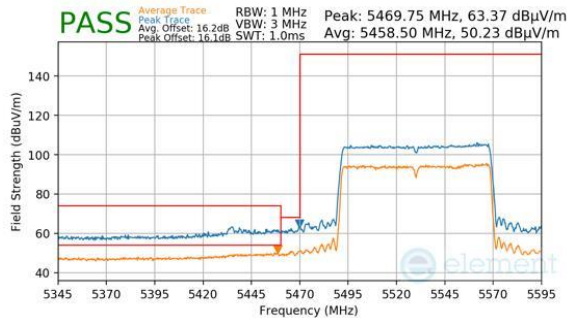
Plot 7-206. (FCC Only) Antenna WF8 (Peak & Average, Ch.122, 802.11ac, MCS9)



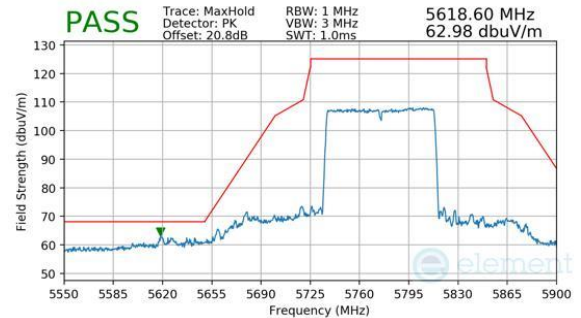
Plot 7-204. Antenna WF8 (Peak & Average, Ch.58, 802.11ac, MCS9)



Plot 7-207. (FCC Only) Antenna WF8 (Peak, Ch.122, 802.11ac, MCS9)



Plot 7-205. Antenna WF8 (Peak & Average, Ch.106, 802.11ac, MCS9)



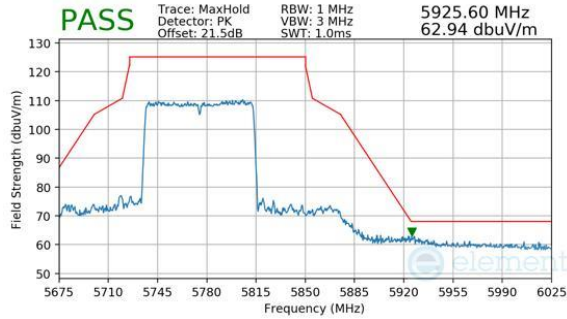
Plot 7-208. Antenna WF8 (Peak, Ch.155, 802.11ac, MCS9)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 133 of 159

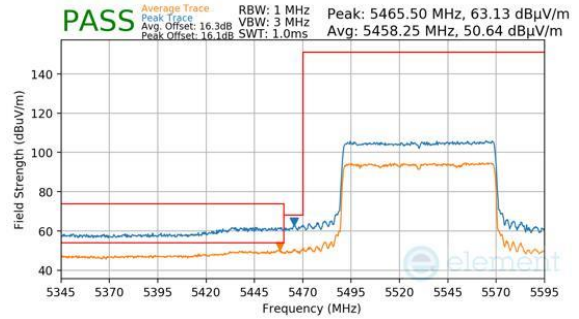
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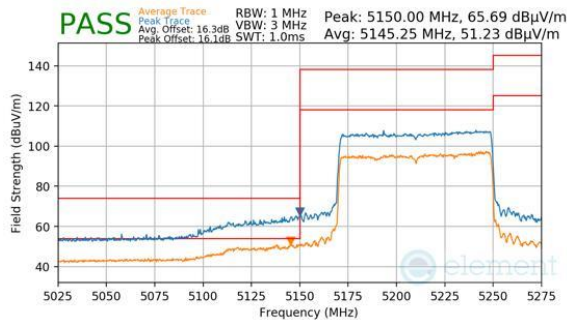




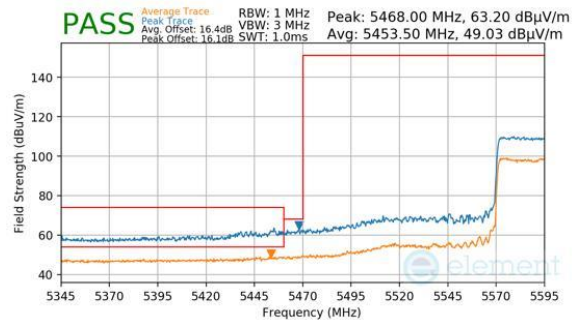
Plot 7-209. Antenna WF8 (Peak, Ch.155, 802.11ac, MCS9)



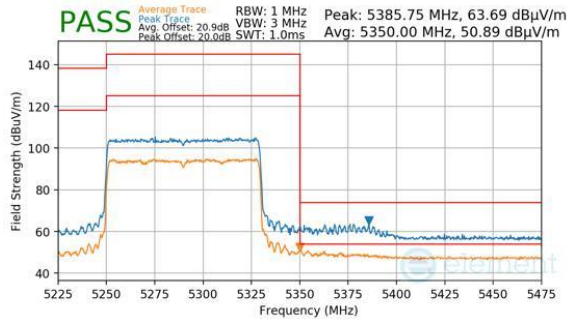
Plot 7-212. Antenna WF8 (Peak & Average, Ch.106, 802.11ax(SU), MCS11)



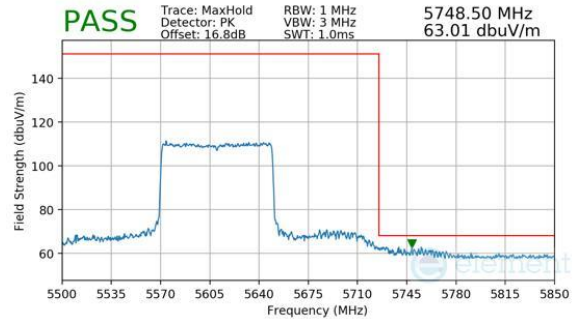
Plot 7-210. Antenna WF8 (Peak & Average, Ch.42, 802.11ax(SU), MCS11)



Plot 7-213. (FCC Only) Antenna WF8 (Peak & Average, Ch.122, 802.11ax(SU), MCS11)



Plot 7-211. Antenna WF8 (Peak & Average, Ch.58, 802.11ax(SU), MCS11)

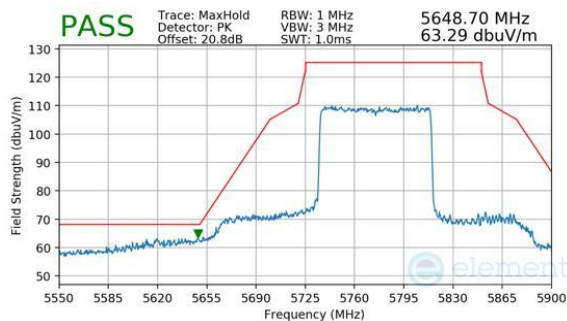


Plot 7-214. (FCC Only) Antenna WF8 (Peak, Ch.122, 802.11ax(SU), MCS11)

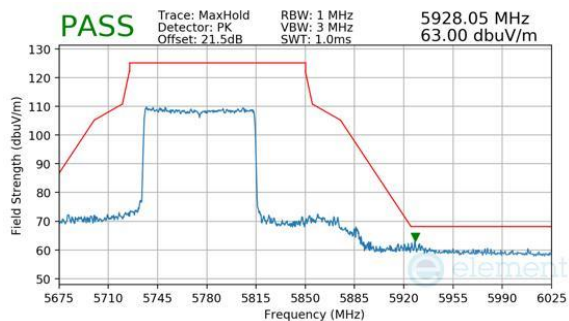
FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-215. Antenna WF8 (Peak, Ch.155, 802.11ax(SU), MCS11)

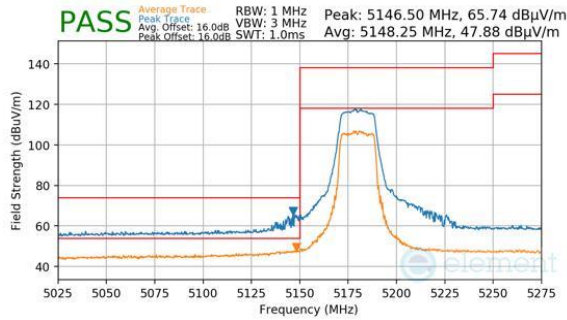


Plot 7-216. Antenna WF8 (Peak, Ch.155, 802.11ax(SU), MCS11)

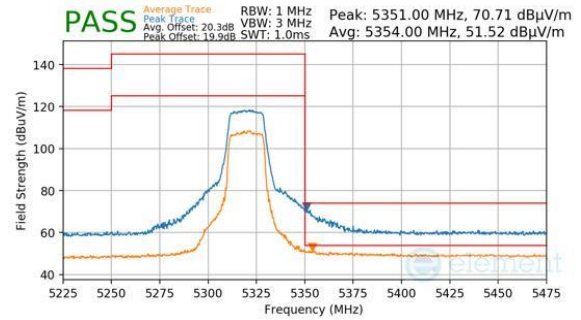
FCC ID: BCGA3354 IC: 579C-A3354	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 135 of 159

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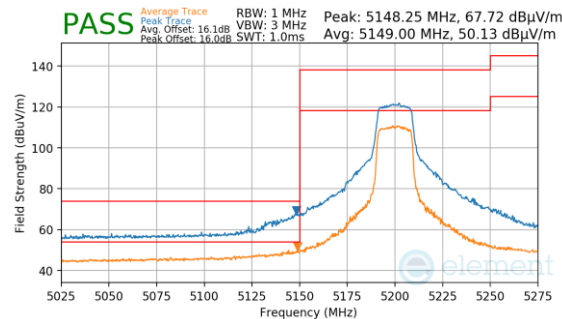
## 7.6.9 CDD/SDM Radiated Band Edge Measurements (20MHz BW)



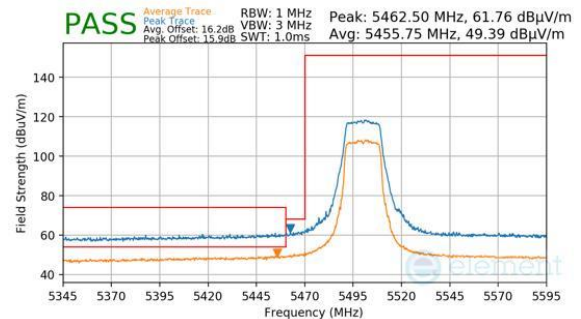
Plot 7-217. CDD (Peak & Average, Ch.36, 802.11n, MCS15)



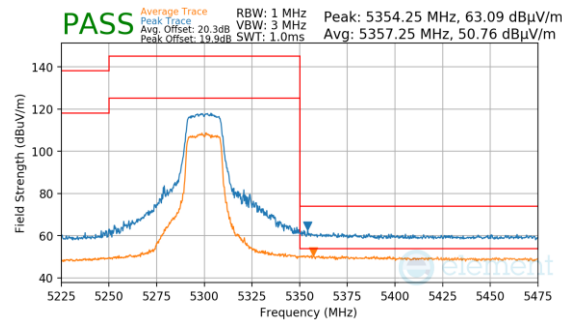
Plot 7-220. CDD (Peak & Average, Ch.64, 802.11n, MCS15)



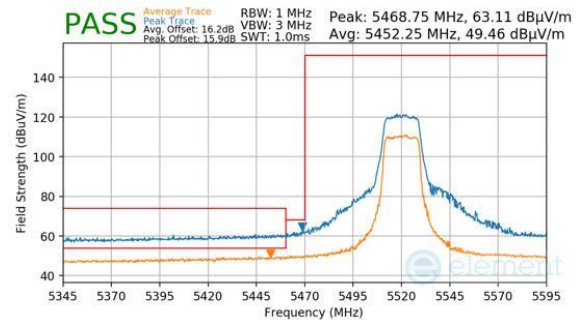
Plot 7-218. SDM (Peak & Average, Ch.40, 802.11n, MCS15)



Plot 7-221. CDD (Peak & Average, Ch.100, 802.11n, MCS15)



Plot 7-219. CDD (Peak & Average, Ch.60, 802.11n, MCS15)

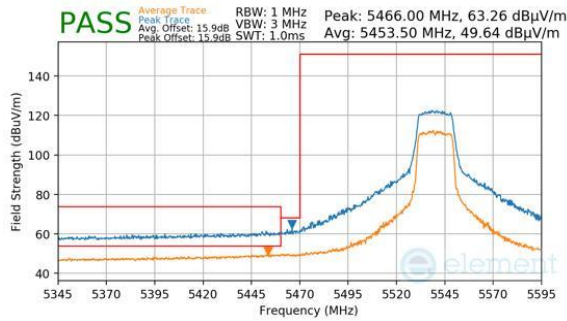


Plot 7-222. SDM (Peak & Average, Ch.104, 802.11n, MCS15)

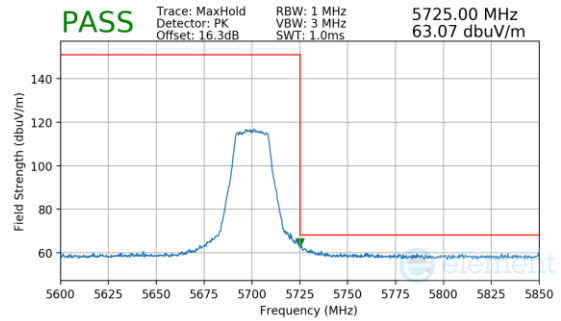
FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 136 of 159

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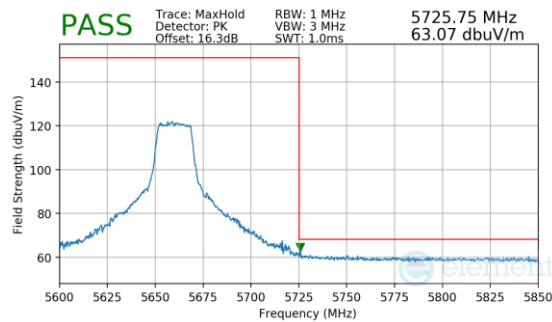
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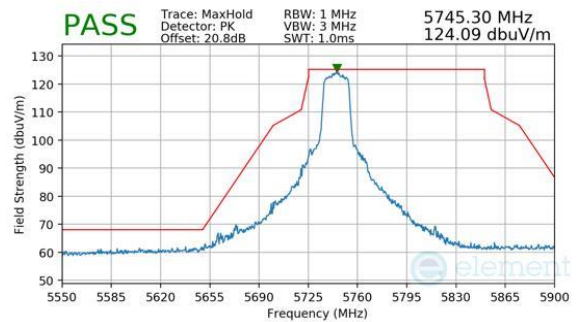
Plot 7-223. SDM (Peak & Average, Ch.108, 802.11n, MCS15)



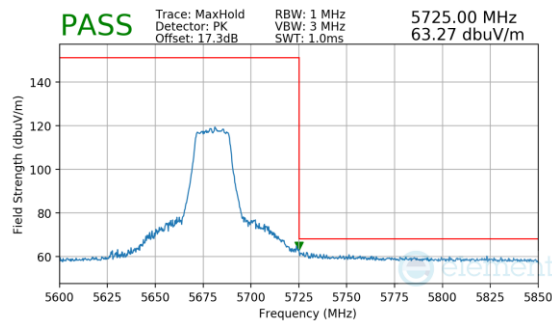
Plot 7-226. CDD (Peak, Ch.140, 802.11n, MCS15)



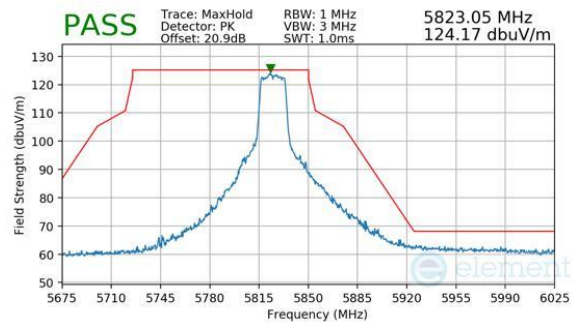
Plot 7-224. SDM (Peak, Ch.132, 802.11n, MCS15)



Plot 7-227. CDD (Peak, Ch.149, 802.11n, MCS15)



Plot 7-225. SDM (Peak, Ch.136, 802.11n, MCS15)

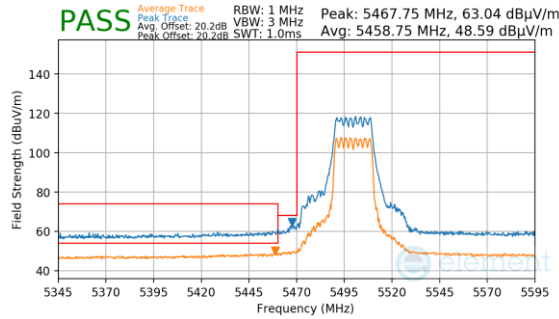


Plot 7-228. CDD (Peak, Ch.165, 802.11n, MCS15)

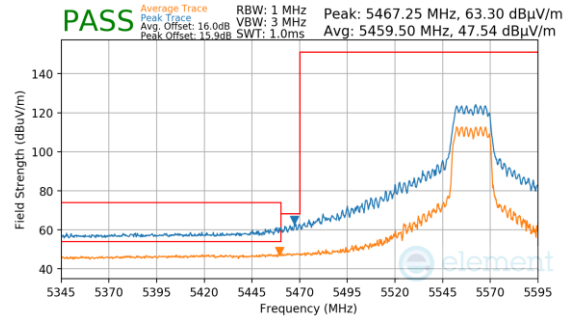
FCC ID: BCGA3354 IC: 579C-A3354	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2410210076-09.BCG	<b>Test Dates:</b> 10/25/2024 - 1/14/2025	<b>EUT Type:</b> Tablet Device	Page 137 of 159



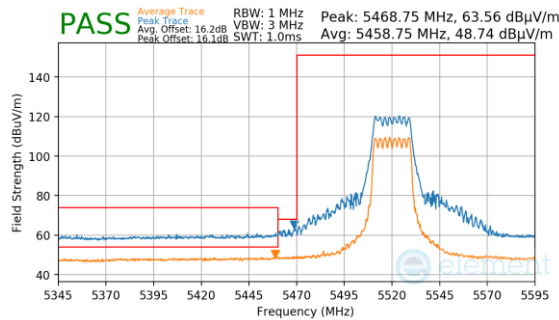




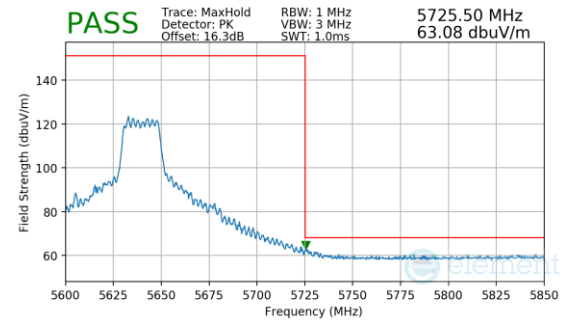
Plot 7-235. CDD (Peak & Average, Ch.100, 802.11ax(SU), MCS15)



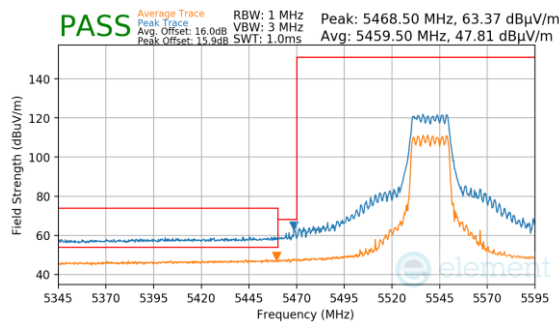
Plot 7-238. SDM (Peak & Average, Ch.112, 802.11ax(SU), MCS15)



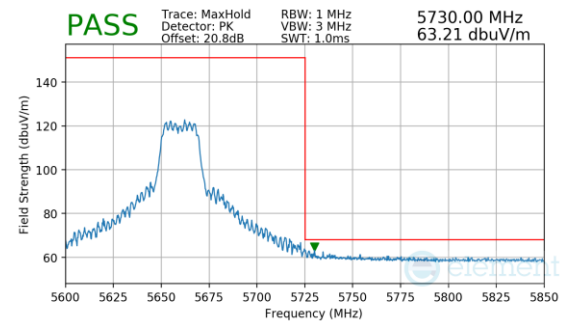
Plot 7-236. CDD (Peak & Average, Ch.104, 802.11ax(SU), MCS15)




Plot 7-239. (FCC Only) SDM (Peak, Ch.128, 802.11ax(SU), MCS15)

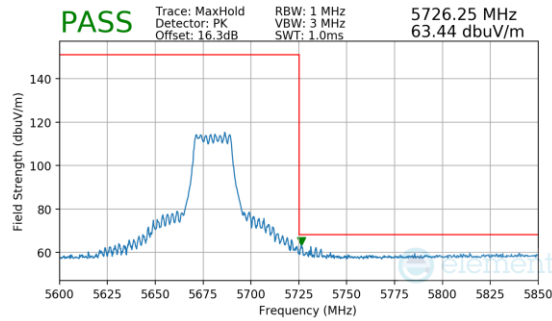


Plot 7-237. SDM (Peak & Average, Ch.108, 802.11ax(SU), MCS15)

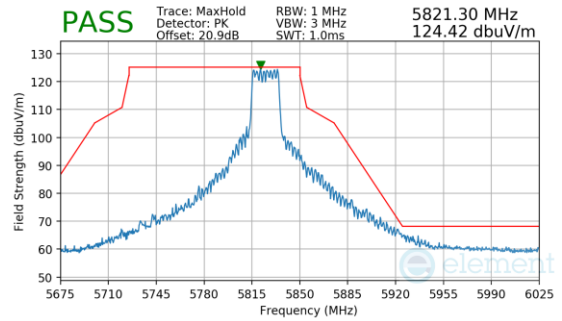


Plot 7-240. SDM (Peak, Ch.132, 802.11ax(SU), MCS15)

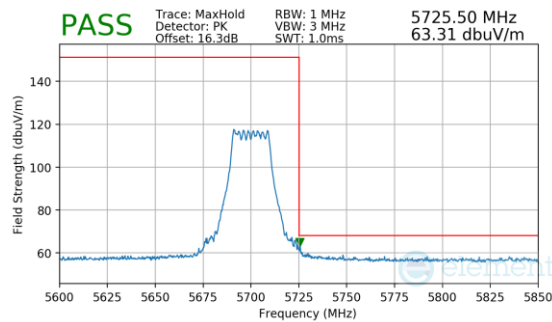
FCC ID: BCGA3354 IC: 579C-A3354			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 139 of 159



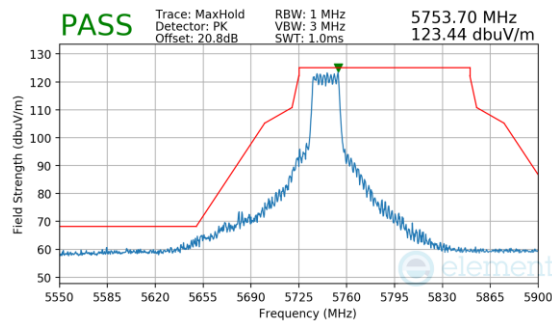
Plot 7-241. CDD (Peak, Ch.136, 802.11ax(SU), MCS15)



Plot 7-244. CDD (Peak, Ch.165, 802.11ax(SU), MCS15)



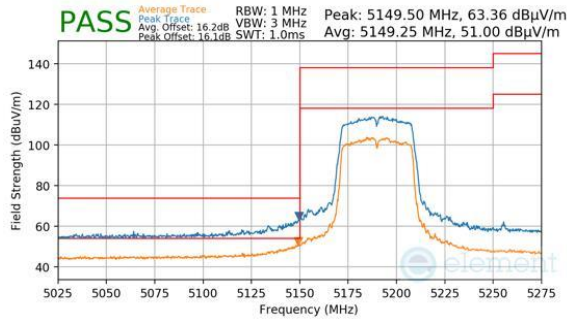
Plot 7-242. CDD (Peak, Ch.140, 802.11ax(SU), MCS15)



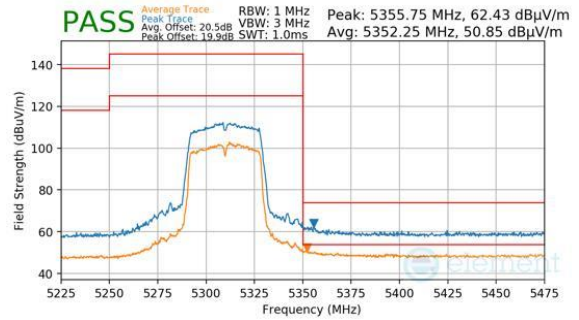
Plot 7-243. CDD (Peak, Ch.149, 802.11ax(SU), MCS15)

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Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 140 of 159

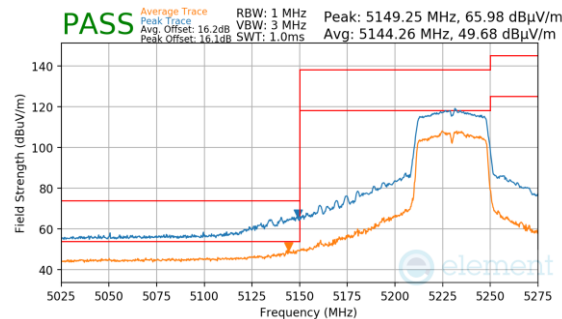
## 7.6.10 CDD/SDM Radiated Band Edge Measurements (40MHz BW)



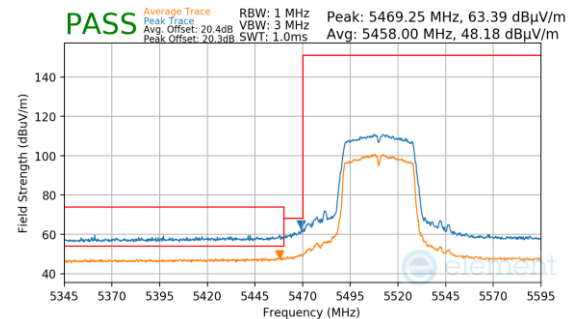
Plot 7-245. CDD (Peak & Average, Ch.38, 802.11n, MCS15)



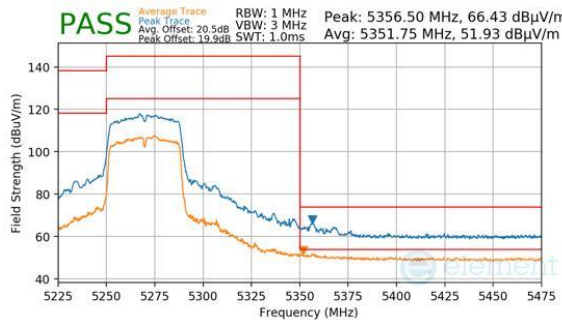
Plot 7-248. CDD (Peak & Average, Ch.62, 802.11n, MCS15)



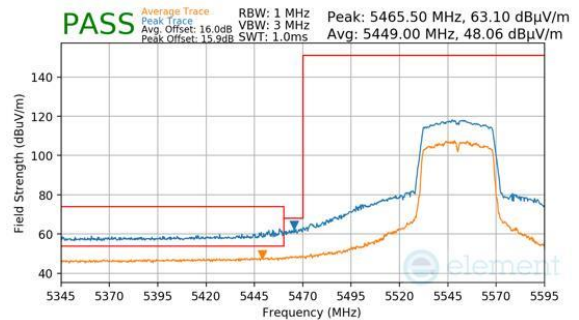
Plot 7-246. CDD (Peak & Average, Ch.46, 802.11n, MCS15)



Plot 7-249. CDD (Peak & Average, Ch.102, 802.11n, MCS15)



Plot 7-247. CDD (Peak & Average, Ch.54, 802.11n, MCS15)

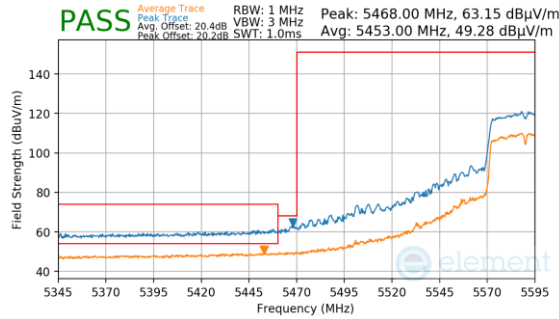


Plot 7-250. CDD (Peak & Average, Ch.110, 802.11n, MCS15)

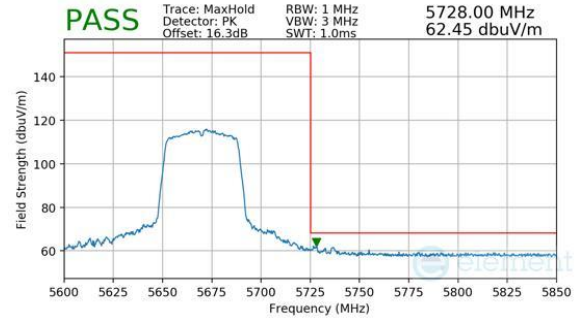
FCC ID: BCGA3354 IC: 579C-A3354			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 141 of 159

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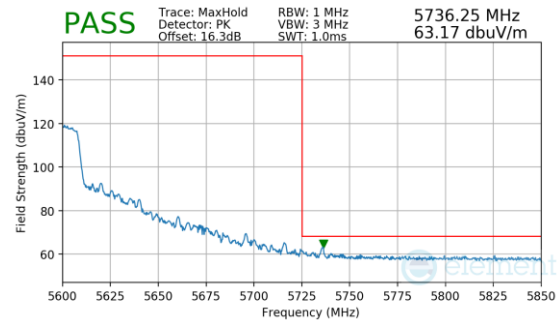
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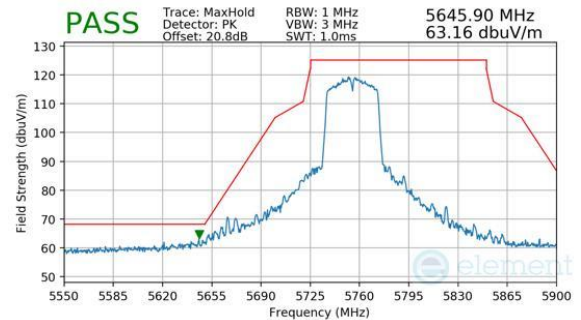
Plot 7-251. (FCC Only) SDM (Peak & Average, Ch.118(Low), 802.11n, MCS15)



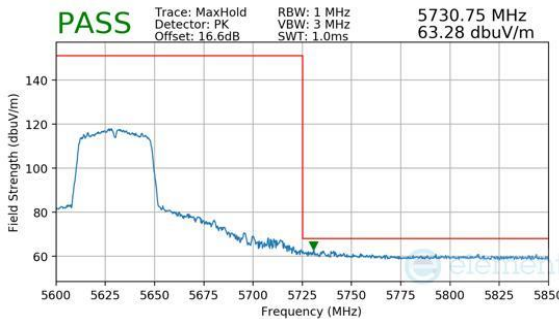
Plot 7-254. CDD (Peak, Ch.134, 802.11n, MCS15)



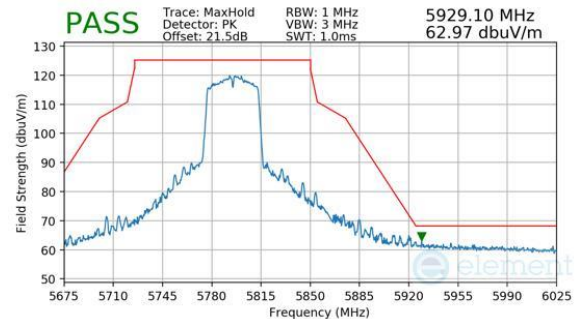
Plot 7-252. (FCC Only) SDM (Peak & Average, Ch.118(High), 802.11n, MCS15)




Plot 7-255. CDD (Peak, Ch.151, 802.11n, MCS15)



Plot 7-253. (FCC Only) CDD (Peak, Ch.126, 802.11n, MCS15)

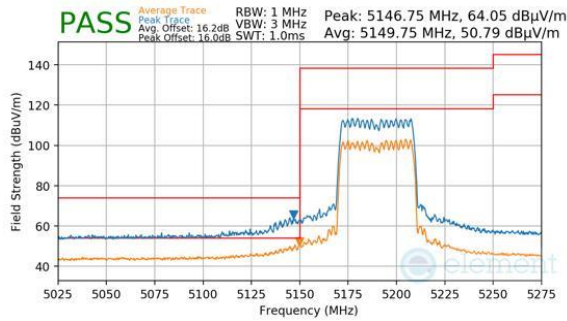


Plot 7-256. CDD (Peak, Ch.159, 802.11n, MCS15)

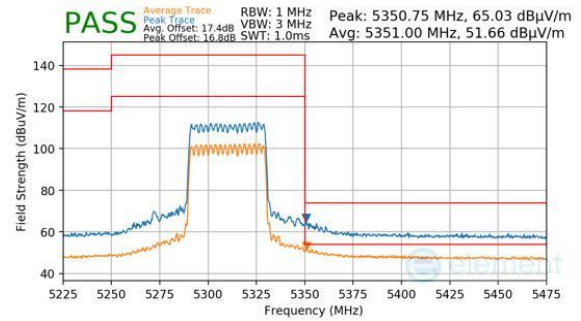
FCC ID: BCGA3354 IC: 579C-A3354			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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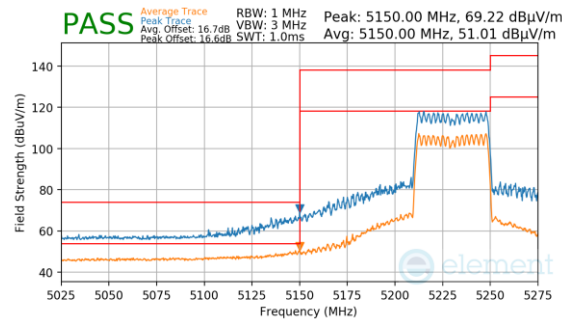




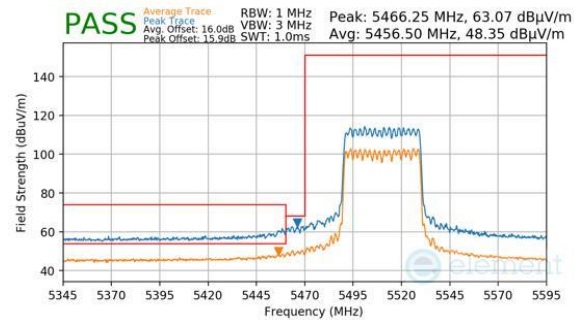
Plot 7-257. CDD (Peak & Average, Ch.38, 802.11ax(SU), MCS11)



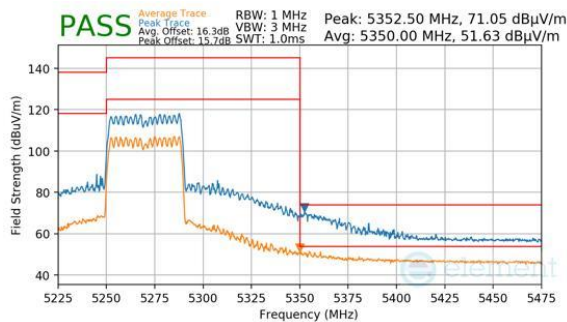
Plot 7-260. CDD (Peak & Average, Ch.62, 802.11ax(SU), MCS11)



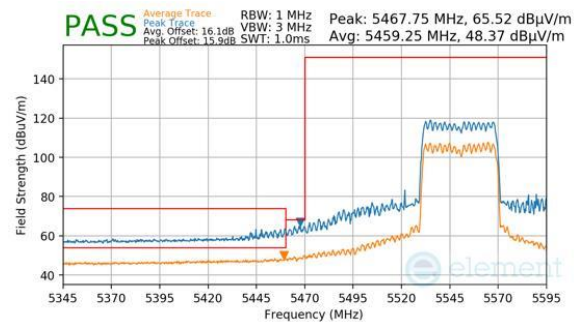
Plot 7-258. CDD (Peak & Average, Ch.46, 802.11ax(SU), MCS11)




Plot 7-261. CDD (Peak & Average, Ch.102, 802.11ax(SU), MCS11)



Plot 7-259. CDD (Peak & Average, Ch.54, 802.11ax(SU), MCS11)

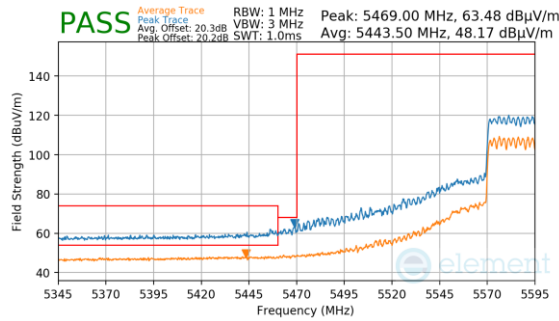


Plot 7-262. CDD (Peak & Average, Ch.110, 802.11ax(SU), MCS11)

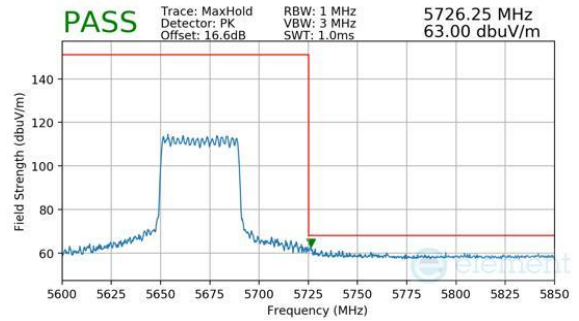
FCC ID: BCGA3354 IC: 579C-A3354	 <b>MEASUREMENT REPORT</b> (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 143 of 159

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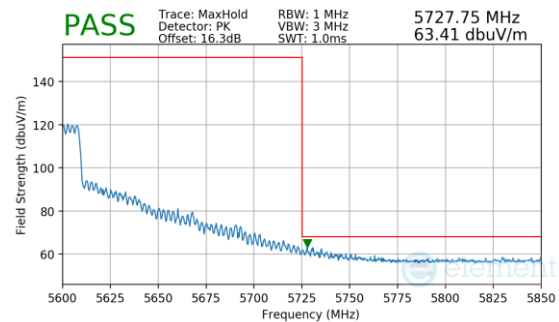
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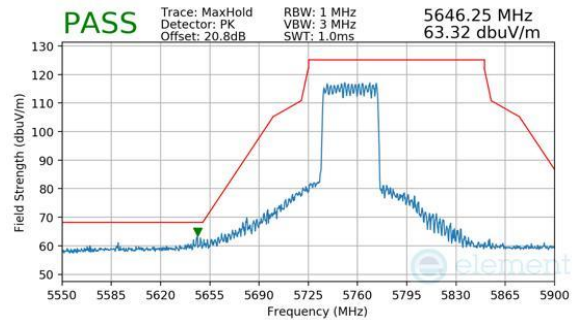
Plot 7-263. (FCC Only) CDD (Peak & Average, Ch.118(Low), 802.11ax(SU), MCS11)



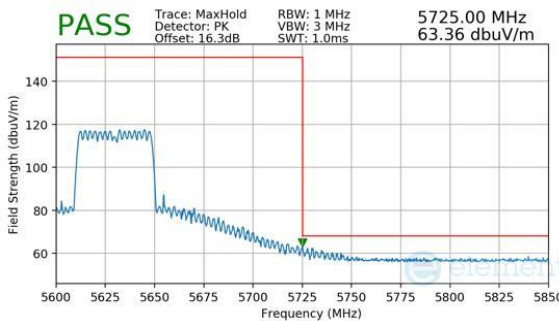
Plot 7-266. CDD (Peak, Ch.134, 802.11ax(SU), MCS11)



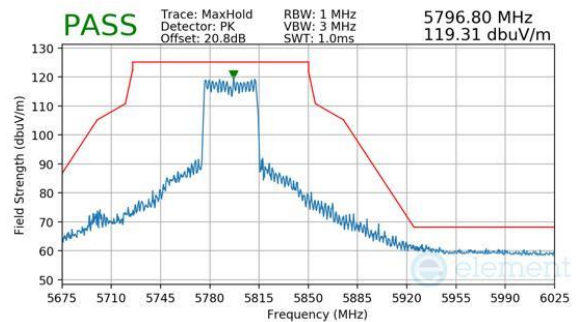
Plot 7-264. (FCC Only) CDD (Peak & Average, Ch.118(High), 802.11ax(SU), MCS11)



Plot 7-267. CDD (Peak, Ch.151, 802.11ax(SU), MCS11)



Plot 7-265. (FCC Only) CDD (Peak, Ch.126, 802.11ax(SU), MCS11)



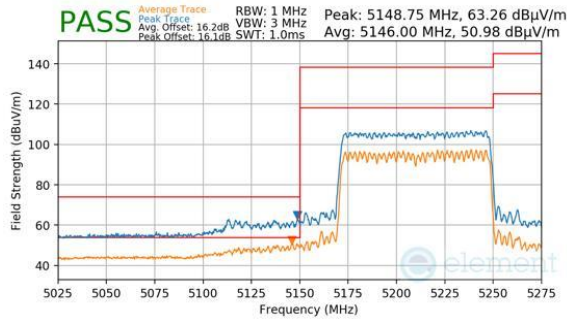
Plot 7-268. CDD (Peak, Ch.159, 802.11ax(SU), MCS11)

FCC ID: BCGA3354 IC: 579C-A3354	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C2410210076-09.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 144 of 159

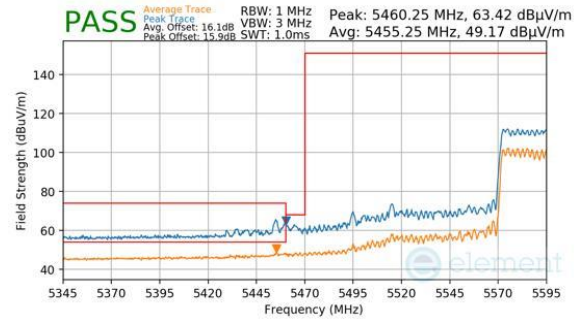
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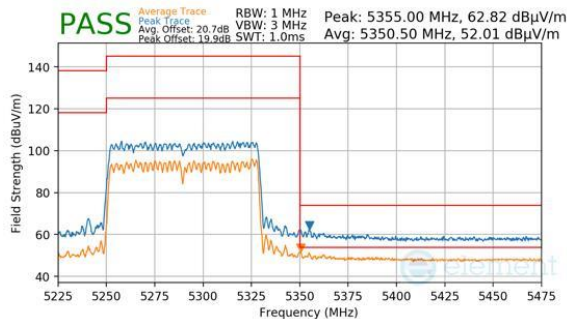
## 7.6.11 CDD Radiated Band Edge Measurements (80MHz BW)



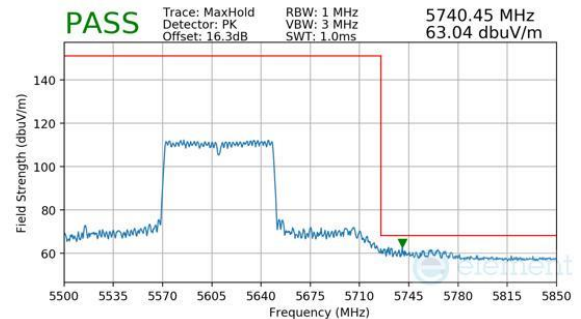
Plot 7-269. CDD (Peak & Average, Ch.42, 802.11ac, MCS9)



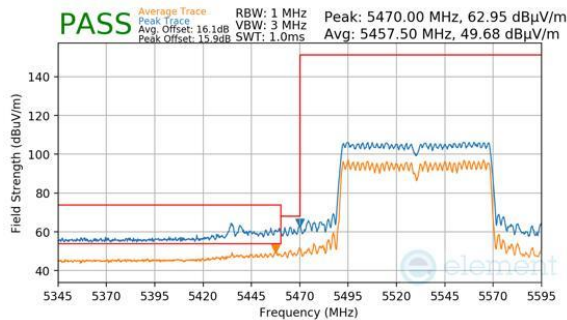
Plot 7-272. (FCC Only) CDD (Peak & Average, Ch.122, 802.11ac, MCS9)



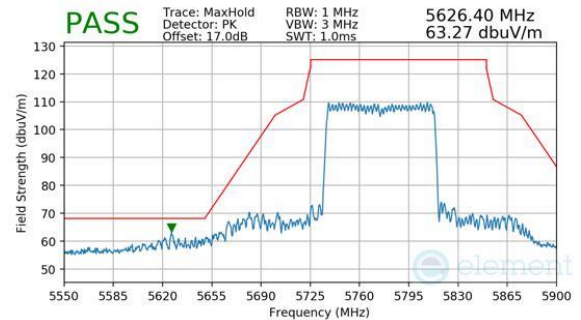
Plot 7-270. CDD (Peak & Average, Ch.58, 802.11ac, MCS9)



Plot 7-273. (FCC Only) CDD (Peak, Ch.122, 802.11ac, MCS9)



Plot 7-271. CDD (Peak & Average, Ch.106, 802.11ac, MCS9)

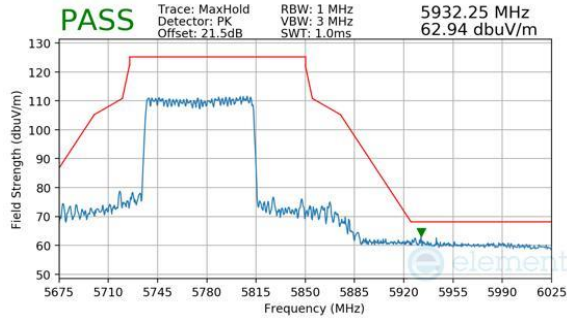


Plot 7-274. CDD (Peak, Ch.155, 802.11ac, MCS9)

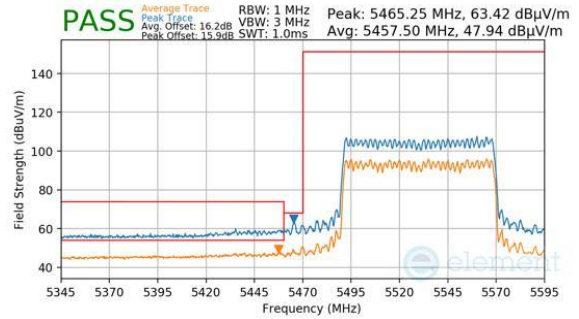
FCC ID: BCGA3354 IC: 579C-A3354			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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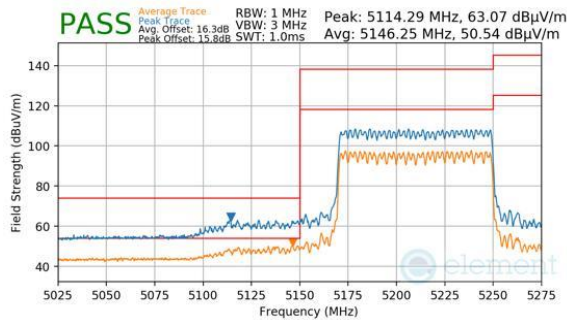
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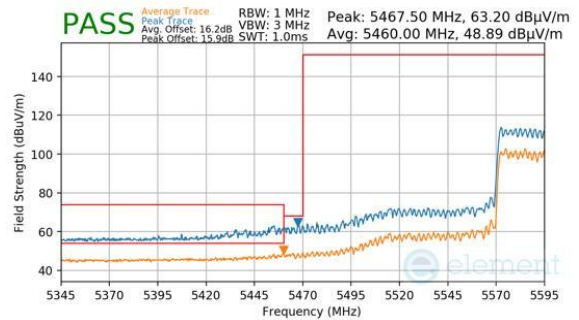
Plot 7-275. CDD (Peak, Ch.155, 802.11ac, MCS9)



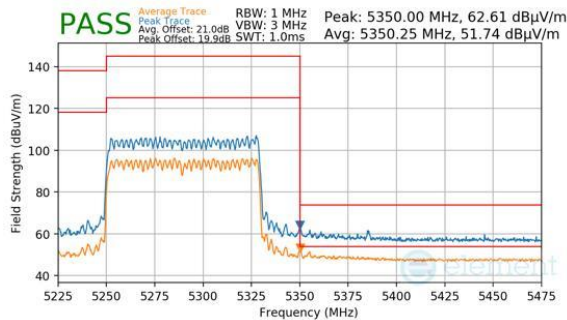
Plot 7-278. CDD (Peak & Average, Ch.106, 802.11ax(SU), MCS11)



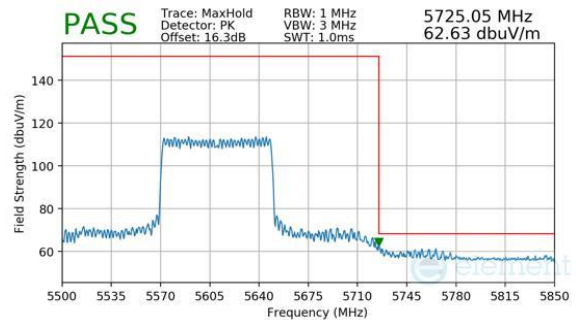
Plot 7-276. CDD (Peak & Average, Ch.42, 802.11ax(SU), MCS11)



Plot 7-279. (FCC Only) CDD (Peak & Average, Ch.122, 802.11ax(SU), MCS11)

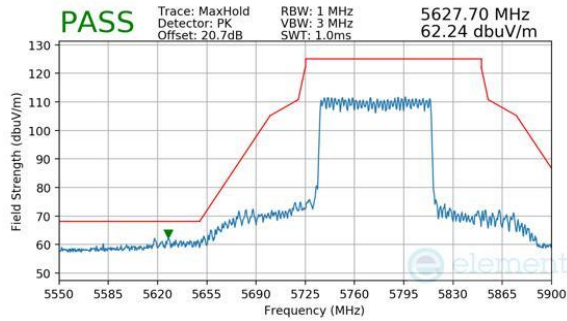


Plot 7-277. CDD (Peak & Average, Ch.58, 802.11ax(SU), MCS11)

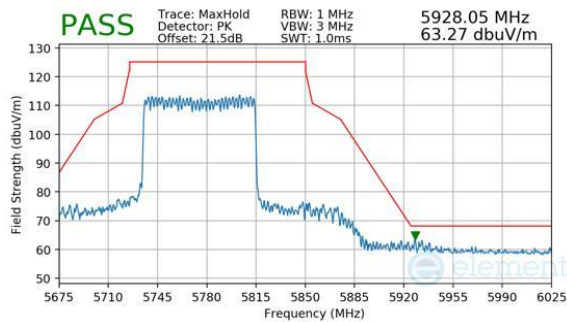


Plot 7-280. (FCC Only) CDD (Peak, Ch.122, 802.11ax(SU), MCS11)

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Plot 7-281. CDD (Peak, Ch.155, 802.11ax(SU), MCS11)



Plot 7-282. CDD (Peak, Ch.155, 802.11ax(SU), MCS11)

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## 7.7 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 and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-69 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 7-69. 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

7. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
8. RBW = 120kHz (for emissions from 30MHz – 1GHz)
9. VBW = 300kHz
10. Detector = quasi-peak
11. Sweep time = auto couple
12. Trace mode = max hold

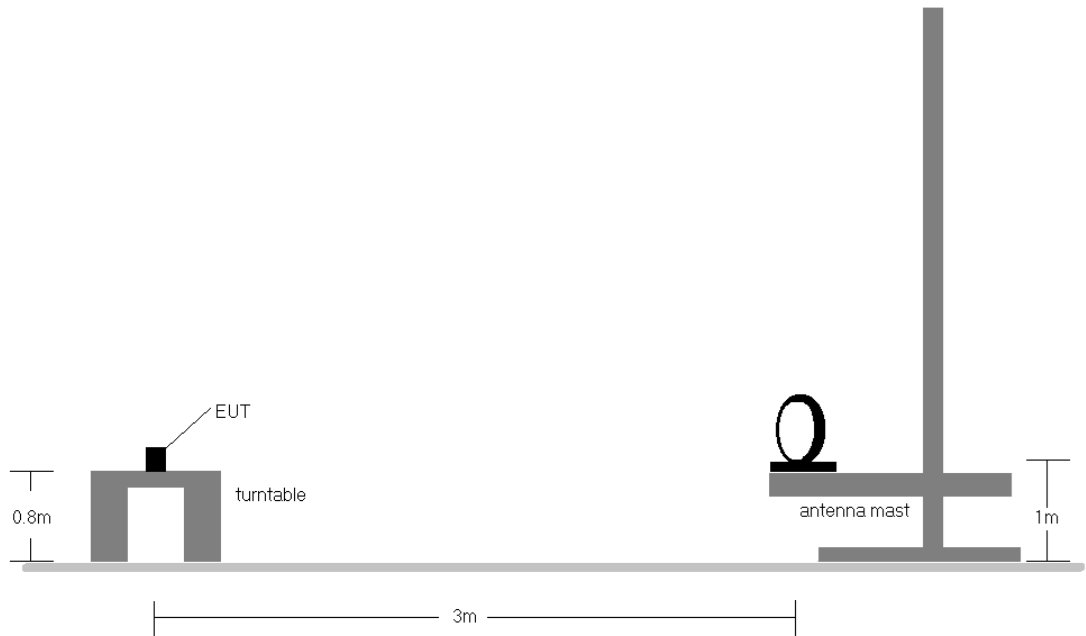
FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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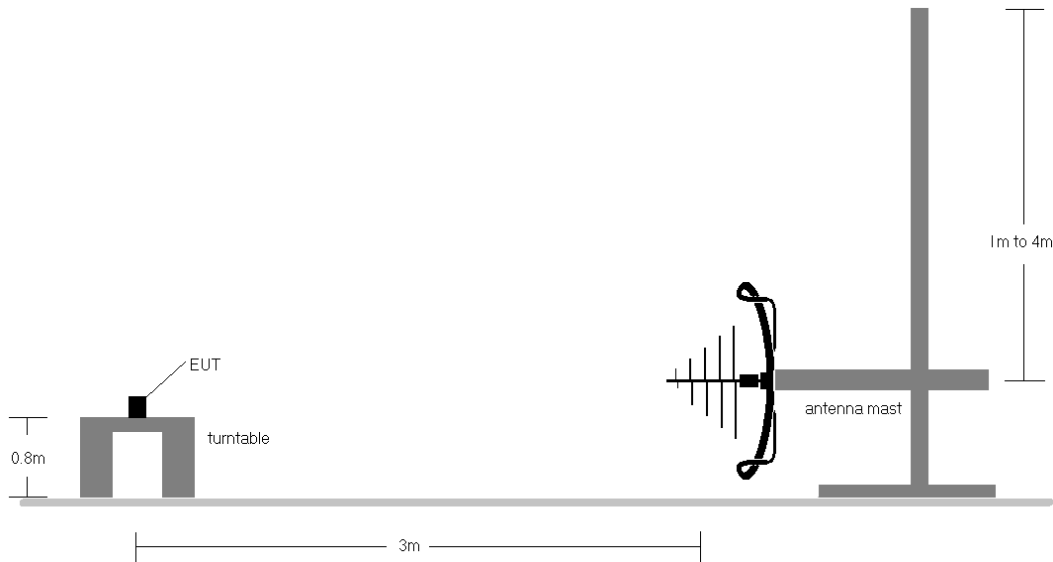
13. Trace was allowed to stabilize

**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**

<b>FCC ID:</b> BCGA3354 <b>IC:</b> 579C-A3354		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality 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 7-69.
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. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.
10. 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
11. All antenna configurations were investigated and only the worst case is reported.
12. The unit was tested with all possible modes and only the highest emission is reported.

## Sample Calculations

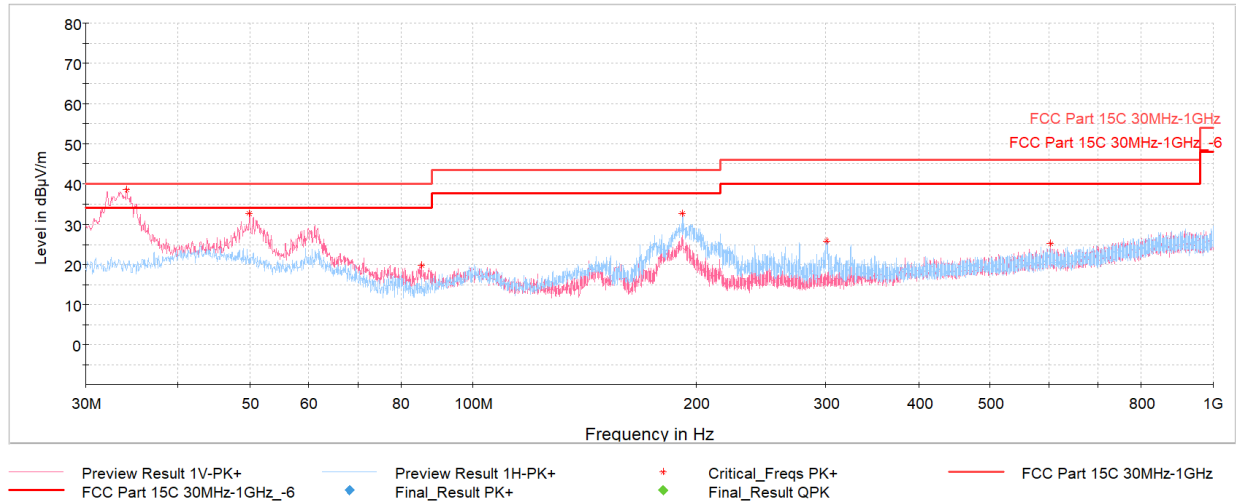
### Determining Spurious Emissions Levels

- 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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## 7.7.1 CDD/SDM Radiated Spurious Emissions Measurements (Below 1GHz)



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]
34.07	Quasi-Peak	V	100	267	-69.95	-18.01	19.04	40.00	-20.96
49.93	Max Peak	V	100	298	-60.04	-14.23	32.73	40.00	-7.27
85.29	Max Peak	V	100	162	-67.16	-20.11	19.73	40.00	-20.27
192.09	Max Peak	H	100	212	-58.06	-16.27	32.67	43.52	-10.85
300.19	Max Peak	H	100	350	-67.89	-13.34	25.77	46.02	-20.25
603.27	Max Peak	V	300	263	-75.39	-6.41	25.20	46.02	-20.82

Table 7-70. Radiated Spurious Emissions below 1GHz, 802.11n, Ch.40 with AC/DC Adapter

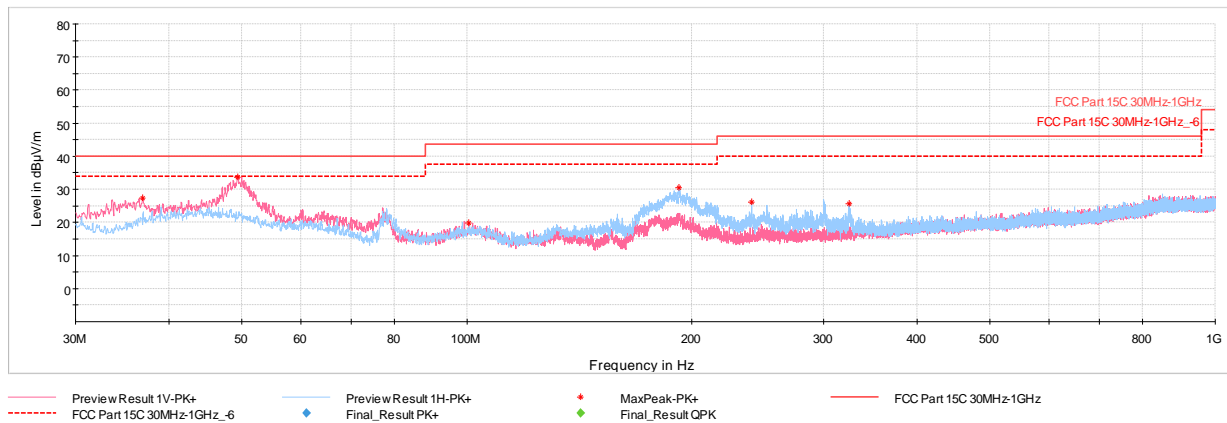
FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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## 7.7.2 Simultaneous TX Radiated Spurious Emissions Measurements (Below 1GHz)

Description	Bluetooth	802.11a/n/ac/ax 5GHz
Antenna	Antenna WF8	Antenna WF8
Channel	78	36
Operating Frequency (MHz)	2480	5180
Mode/Modulation	GFSK iPA	802.11n

**Table 7-71. Worst Case Simultaneous Transmission Configuration**



**Plot 7-284. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz, 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
36.84	Max Peak	V	100	39	-61.93	-16.89	28.18	40.00	-11.82
49.40	Max Peak	V	100	152	-60.28	-14.30	32.42	40.00	-7.58
100.66	Max Peak	V	200	172	-70.37	-16.52	20.11	43.52	-23.41
192.14	Max Peak	H	100	215	-59.86	-16.26	30.88	43.52	-12.64
240.15	Max Peak	H	100	25	-66.29	-14.74	25.97	46.02	-20.05
324.20	Max Peak	H	100	265	-68.99	-12.56	25.45	46.02	-20.57

**Table 7-72. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz, with AC/DC Adapter)**

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## 7.8 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

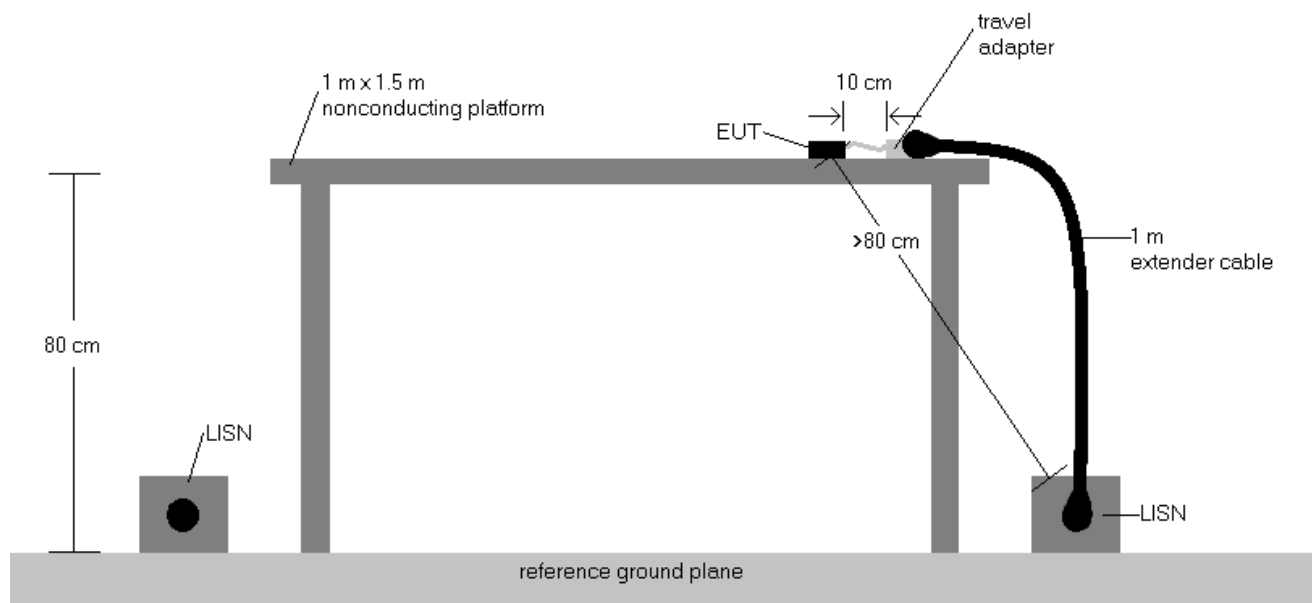
1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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## Test Setup

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



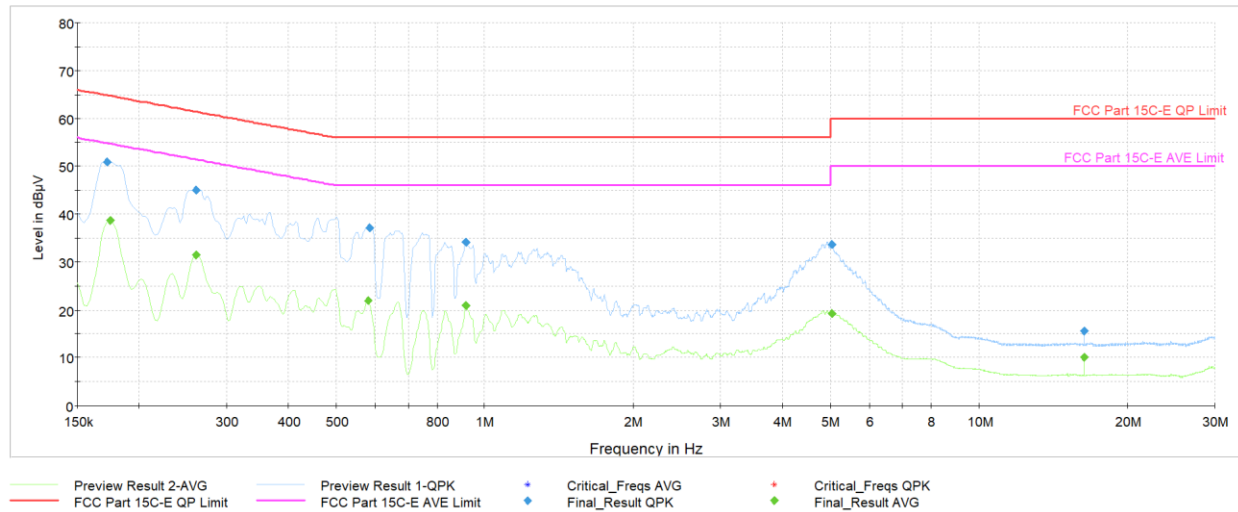
**Figure 7-8. Test Instrument & Measurement Setup**

## Test Notes

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 7-285. AC Line Conducted Plot with 802.11n SDM– Ch.40 (L1), with AC/DC adapter**

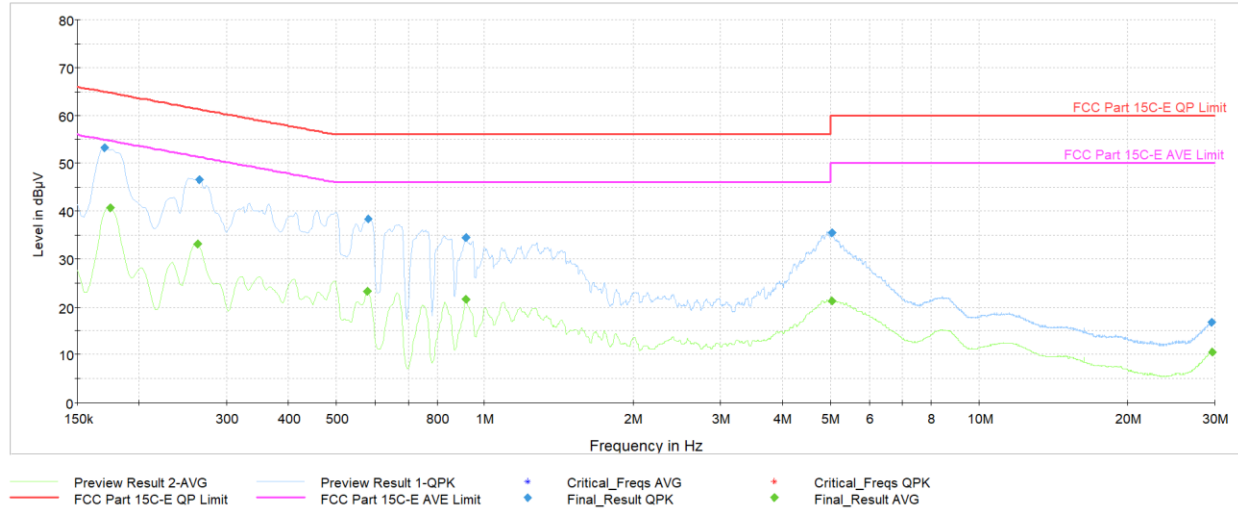
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.173	FINAL	50.9	—	64.84	-13.97	L1	GND
0.175	FINAL	—	38.65	54.73	-16.08	L1	GND
0.260	FINAL	—	31.52	51.42	-19.90	L1	GND
0.260	FINAL	45.1	—	61.42	-16.35	L1	GND
0.582	FINAL	—	21.86	46.00	-24.14	L1	GND
0.587	FINAL	37.2	—	56.00	-18.82	L1	GND
0.917	FINAL	34.2	—	56.00	-21.81	L1	GND
0.917	FINAL	—	20.94	46.00	-25.06	L1	GND
5.046	FINAL	33.6	—	60.00	-26.43	L1	GND
5.046	FINAL	—	19.28	50.00	-30.72	L1	GND
16.319	FINAL	—	9.98	50.00	-40.02	L1	GND
16.319	FINAL	15.6	—	60.00	-44.37	L1	GND

**Table 7-74. AC Line Conducted Data with 802.11n SDM– Ch.40 (L1) with AC/DC adapter**

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**Plot 7-286. AC Line Conducted Plot with 802.11n SDM- Ch.40 (N), with AC/DC adapter**

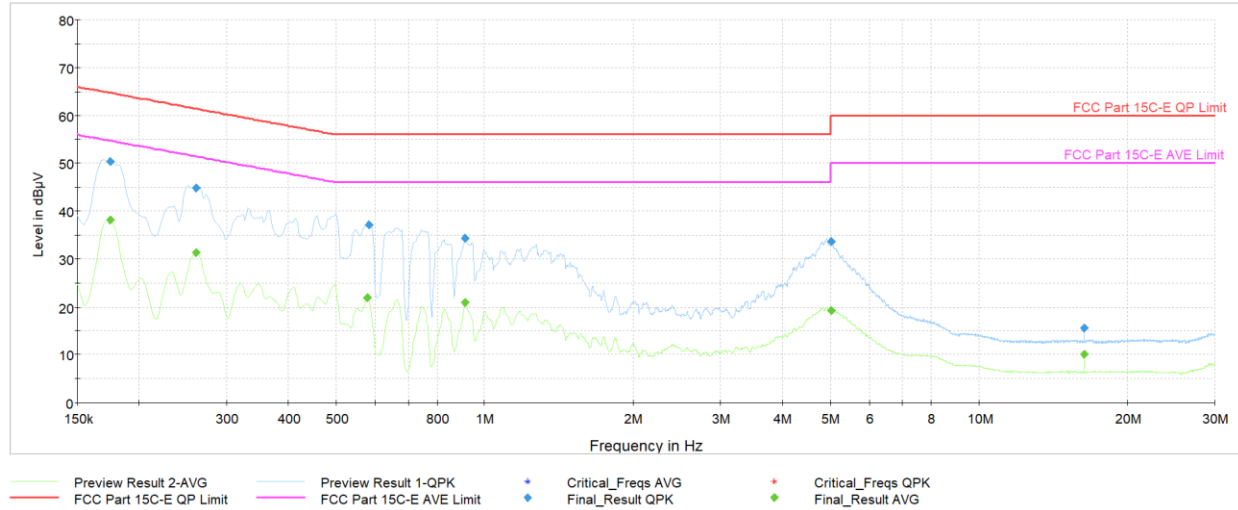
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.170	FINAL	53.2	—	64.95	-11.80	N	GND
0.175	FINAL	—	40.73	54.73	-14.01	N	GND
0.263	FINAL	—	33.14	51.35	-18.21	N	GND
0.265	FINAL	46.6	—	61.28	-14.73	N	GND
0.580	FINAL	—	23.30	46.00	-22.70	N	GND
0.582	FINAL	38.3	—	56.00	-17.74	N	GND
0.915	FINAL	34.5	—	56.00	-21.46	N	GND
0.917	FINAL	—	21.51	46.00	-24.49	N	GND
5.044	FINAL	35.5	—	60.00	-24.50	N	GND
5.051	FINAL	—	21.30	50.00	-28.70	N	GND
29.603	FINAL	16.8	—	60.00	-43.20	N	GND
29.648	FINAL	—	10.49	50.00	-39.51	N	GND

**Table 7-75. AC Line Conducted Data with 802.11n SDM- Ch.40 (N), with AC/DC adapter**

FCC ID: BCGA3354 IC: 579C-A3354			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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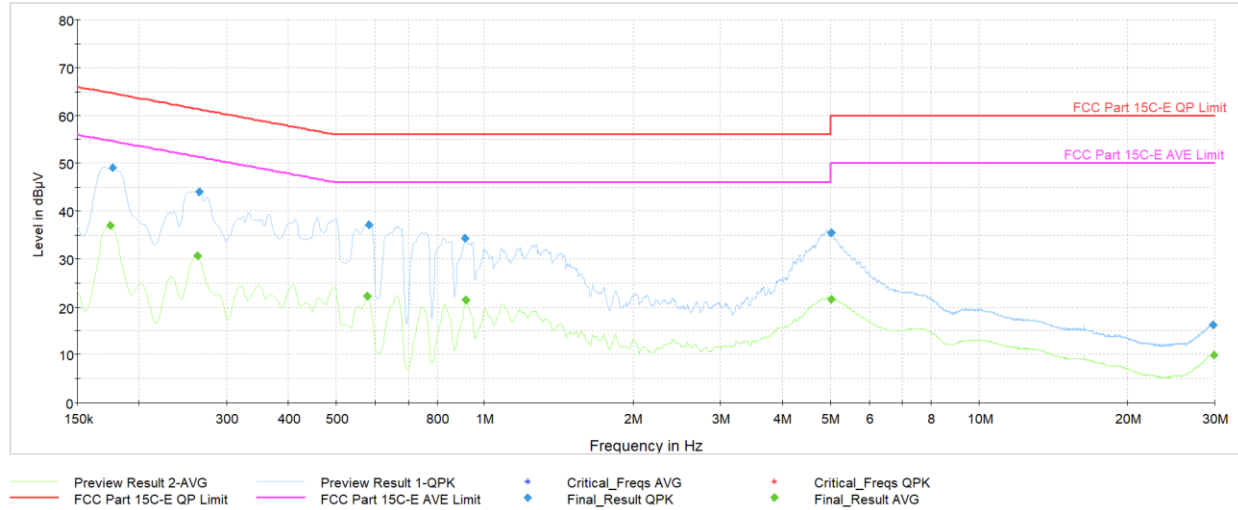
**Plot 7-287. AC Line Conducted Plot with 802.11ax(SU) SDM– Ch.40 (L1), with AC/DC adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.175	FINAL	—	38.21	54.73	-16.52	L1	GND
0.175	FINAL	50.4	—	64.73	-14.35	L1	GND
0.260	FINAL	—	31.33	51.42	-20.09	L1	GND
0.260	FINAL	44.8	—	61.42	-16.59	L1	GND
0.580	FINAL	—	21.89	46.00	-24.11	L1	GND
0.584	FINAL	37.2	—	56.00	-18.80	L1	GND
0.913	FINAL	34.2	—	56.00	-21.77	L1	GND
0.913	FINAL	—	20.92	46.00	-25.08	L1	GND
5.028	FINAL	33.7	—	60.00	-26.30	L1	GND
5.030	FINAL	—	19.32	50.00	-30.68	L1	GND
16.328	FINAL	—	10.06	50.00	-39.94	L1	GND
16.328	FINAL	15.5	—	60.00	-44.46	L1	GND

**Table 7-76. AC Line Conducted Data with 802.11ax(SU) SDM– Ch.40 (L1) with AC/DC adapter**

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**Plot 7-288. AC Line Conducted Plot with 802.11ax(SU) SDM– Ch.40 (N), with AC/DC adapter**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.175	FINAL	—	36.97	54.73	-17.76	N	GND
0.177	FINAL	49.0	—	64.63	-15.61	N	GND
0.263	FINAL	—	30.58	51.35	-20.77	N	GND
0.265	FINAL	44.1	—	61.28	-17.19	N	GND
0.580	FINAL	—	22.22	46.00	-23.78	N	GND
0.584	FINAL	37.2	—	56.00	-18.78	N	GND
0.913	FINAL	34.3	—	56.00	-21.68	N	GND
0.915	FINAL	—	21.41	46.00	-24.59	N	GND
5.024	FINAL	35.6	—	60.00	-24.45	N	GND
5.028	FINAL	—	21.64	50.00	-28.36	N	GND
29.830	FINAL	16.3	—	60.00	-43.70	N	GND
29.839	FINAL	—	9.94	50.00	-40.06	N	GND

**Table 7-77. AC Line Conducted Data with 802.11ax(SU) SDM– Ch.40 (N), with AC/DC adapter**

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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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: BCGA3354** and **IC: 579C-A3354** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

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