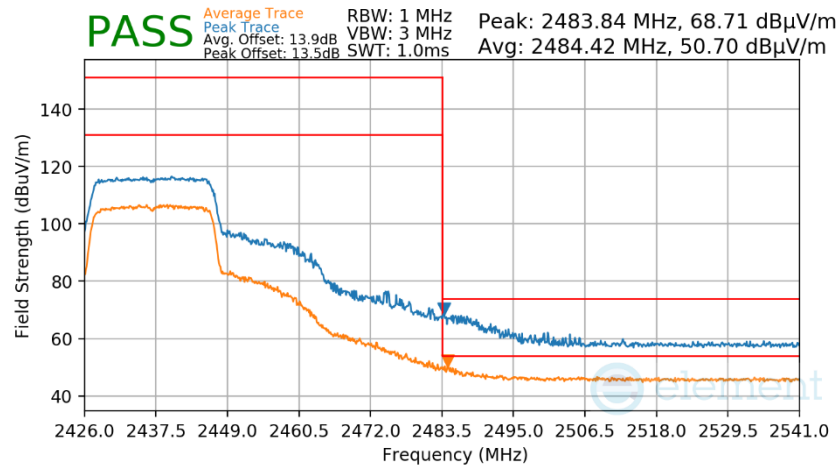
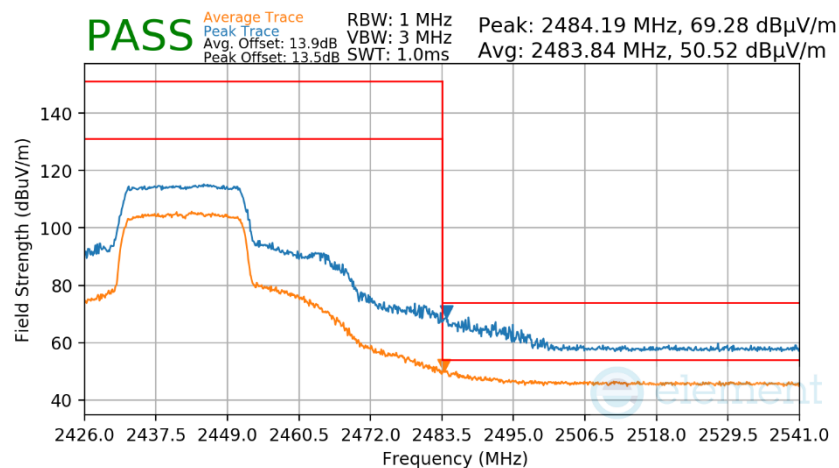


Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6



Plot 7-158 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2442MHz
Channel: 7

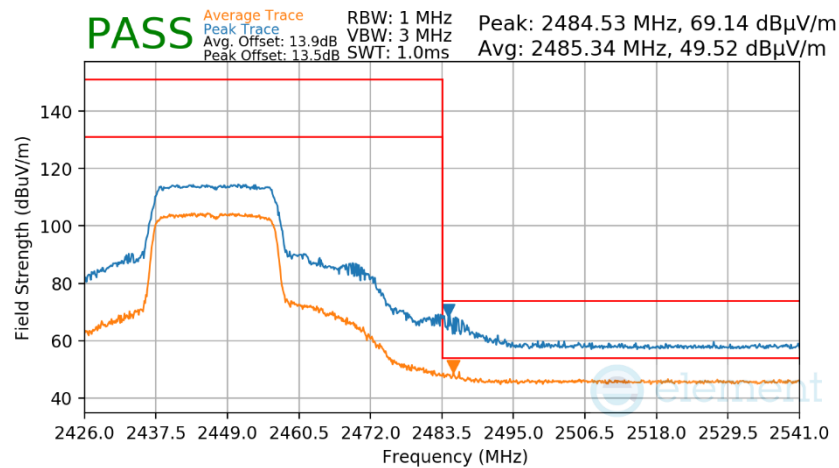


Plot 7-159 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 126 of 159

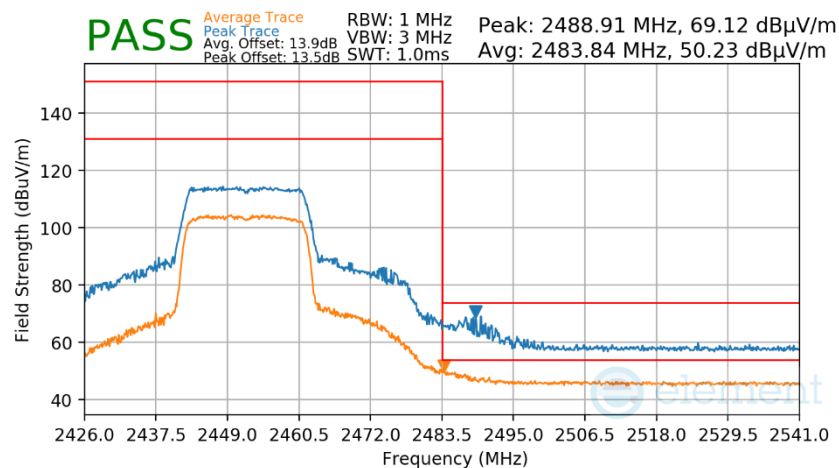
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2447MHz
Channel: 8



Plot 7-160 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2452MHz
Channel: 9

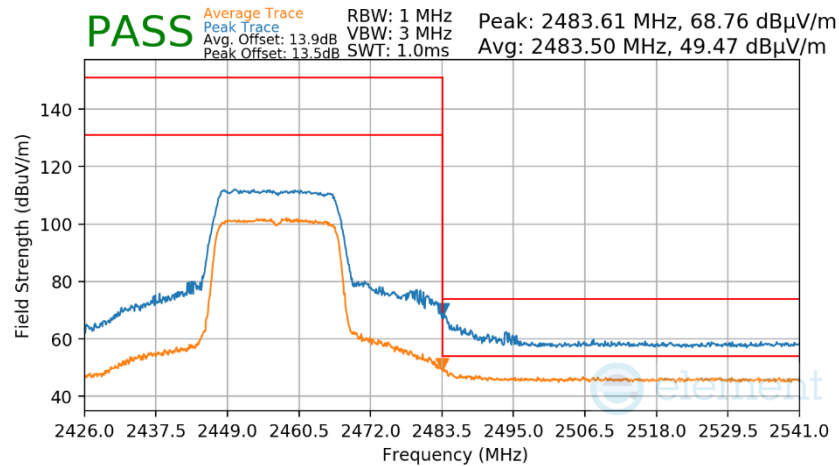


Plot 7-161 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 127 of 159

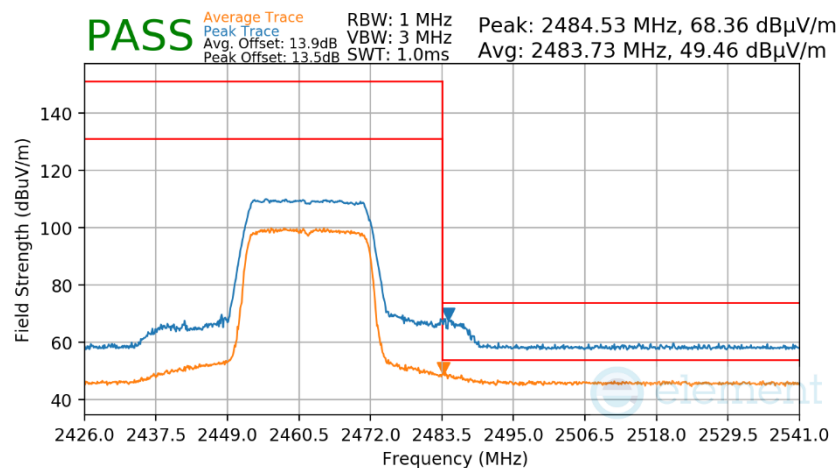
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10



Plot 7-162 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

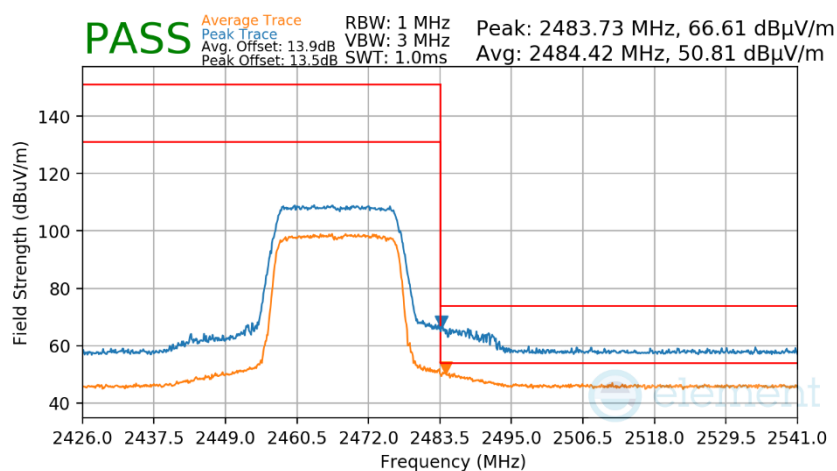


Plot 7-163 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 128 of 159

V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12



Plot 7-164 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 129 of 159

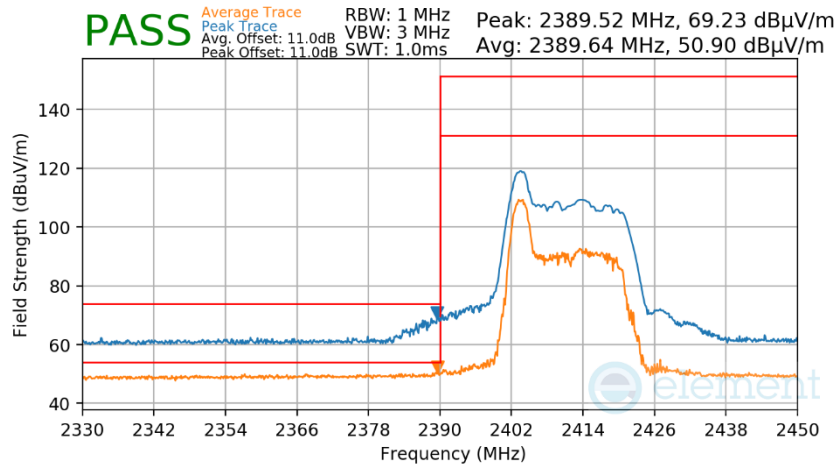
V 10.6 10/27/2023

7.7.5 Antenna WF7 Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

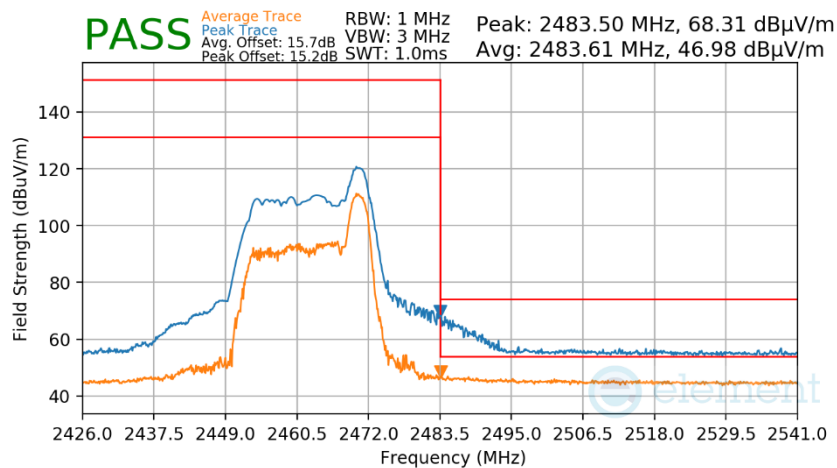
RU26

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-165 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU26)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	8
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

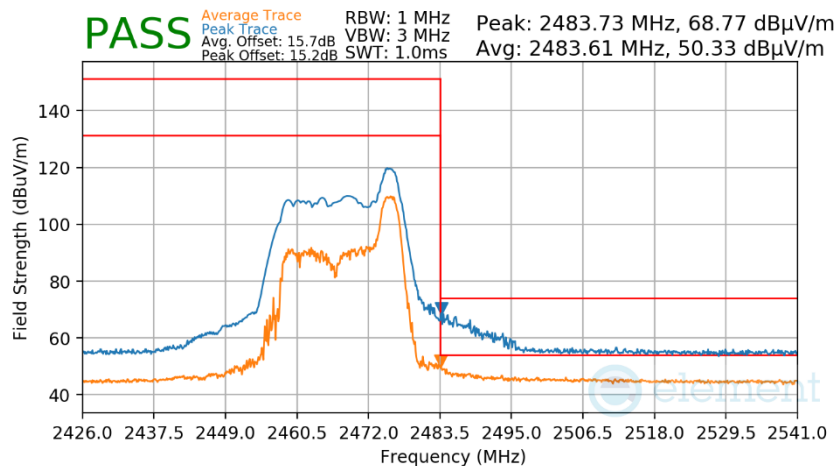


Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU26)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 130 of 159

V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 8
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12



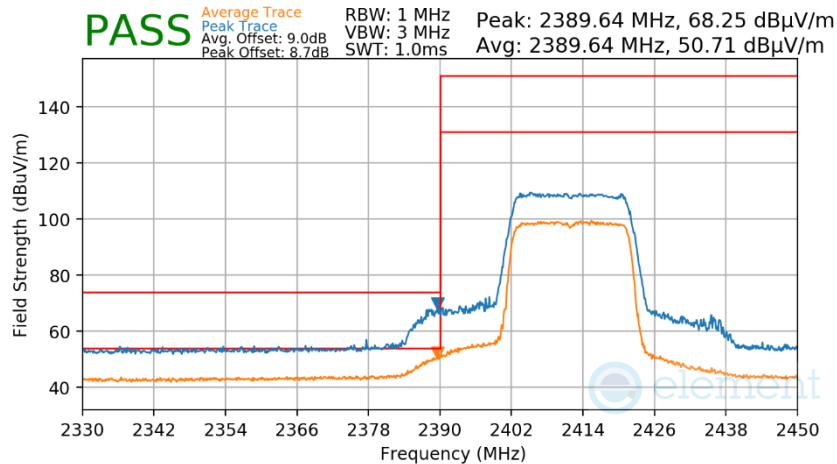
Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU26)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 131 of 159

V 10.6 10/27/2023

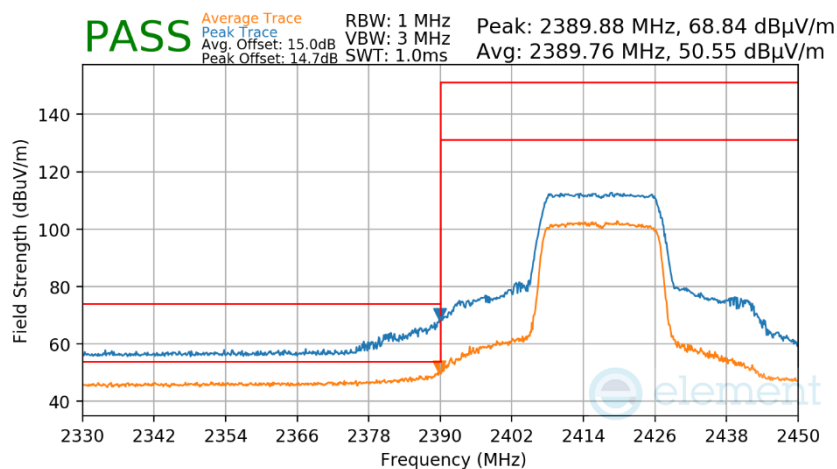
RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-168 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2

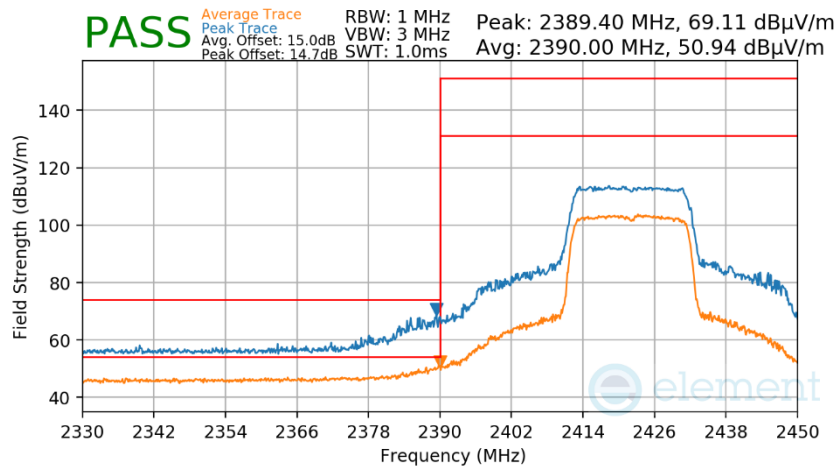


Plot 7-169 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 132 of 159

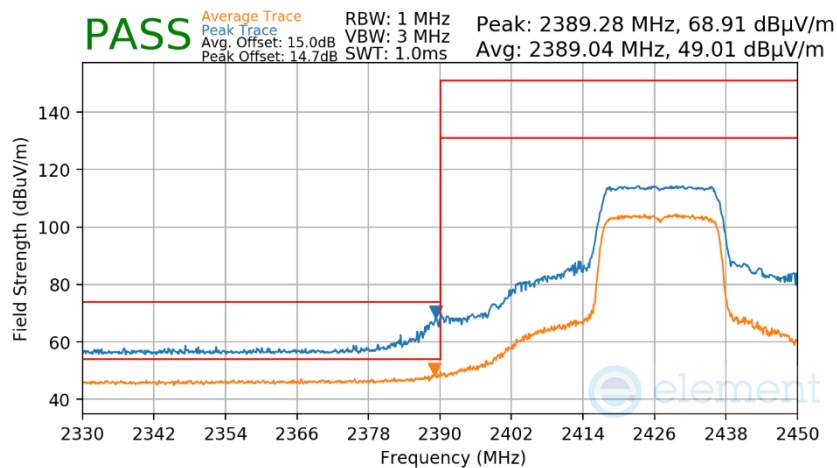
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2422MHz
Channel: 3



Plot 7-170 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2427MHz
Channel: 4

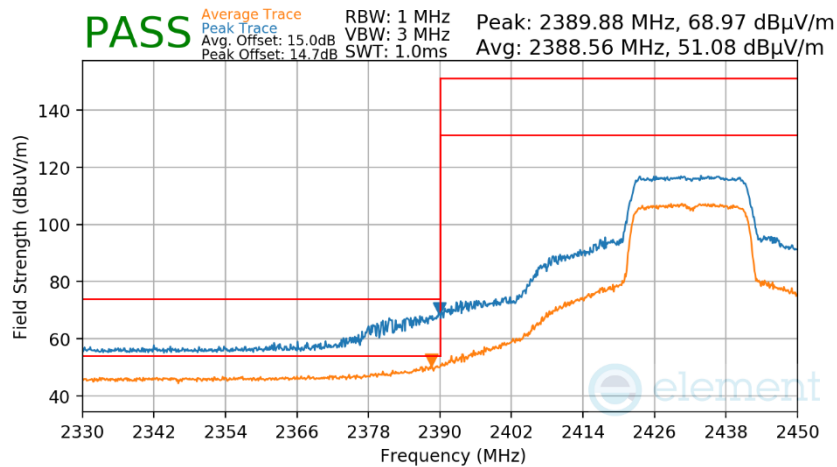


Plot 7-171 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 133 of 159

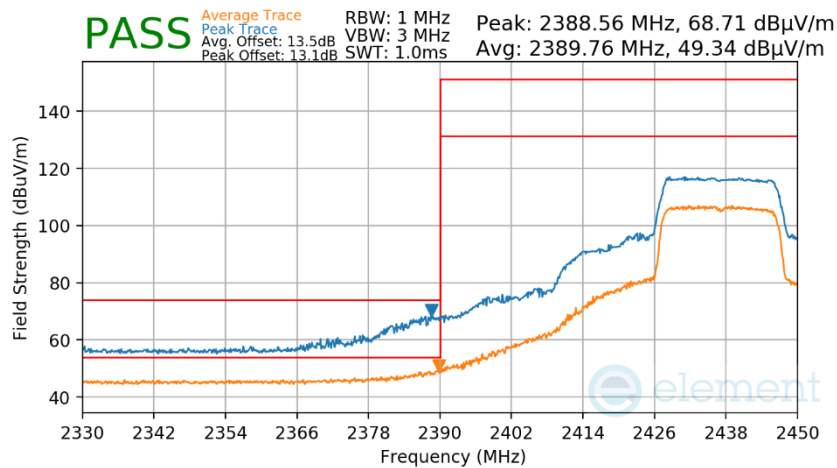
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2432MHz
Channel: 5



Plot 7-172 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6

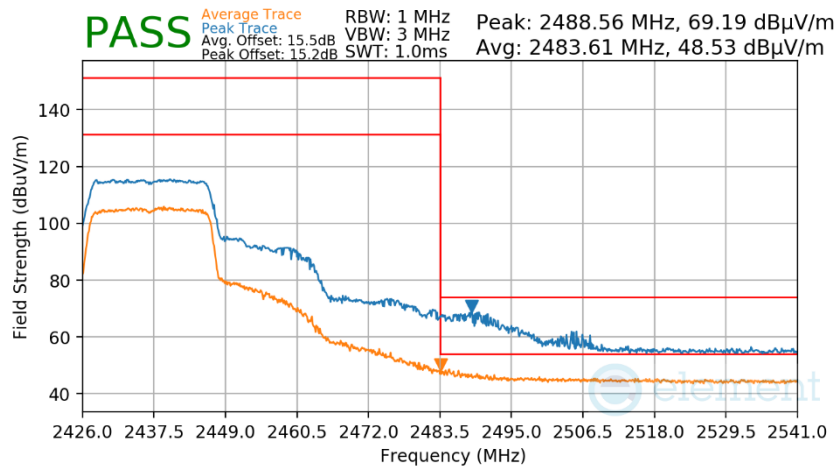


Plot 7-173 Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 134 of 159

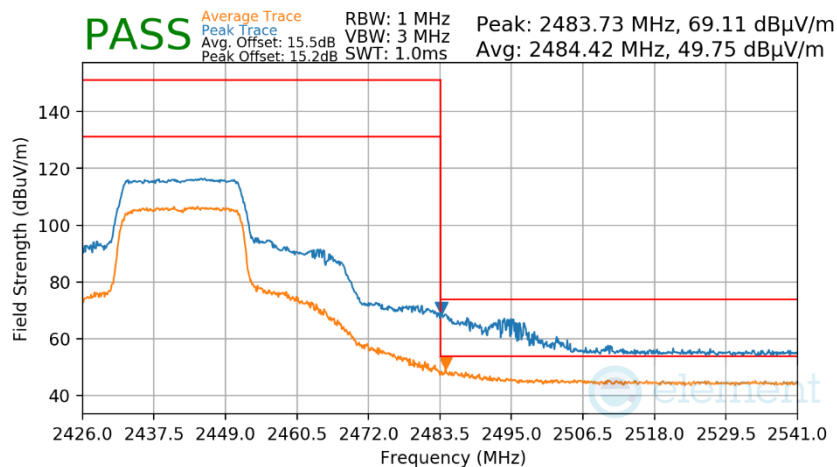
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6



Plot 7-174 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2442MHz
Channel: 7

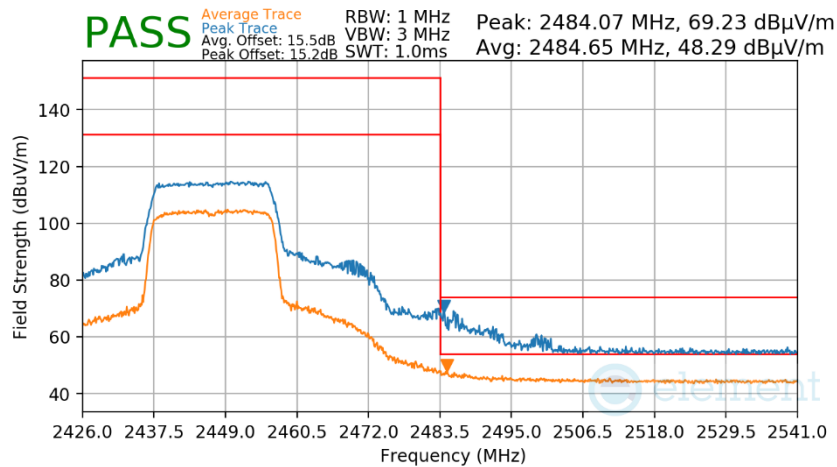


Plot 7-175 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 135 of 159

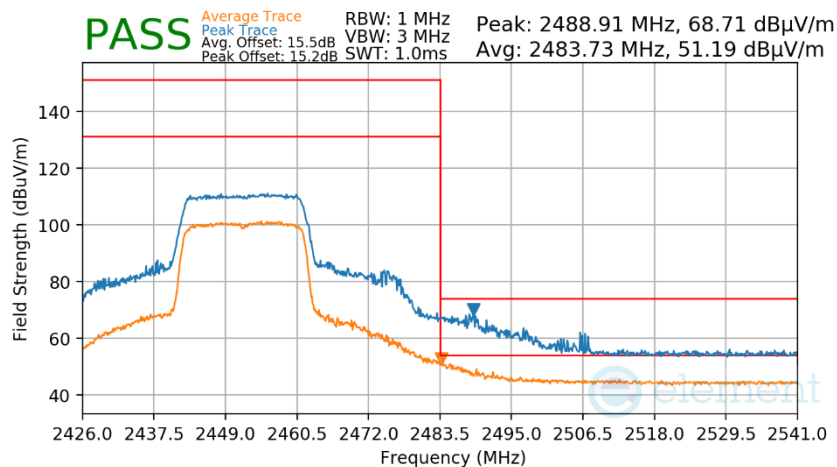
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2447MHz
Channel: 8



Plot 7-176 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2452MHz
Channel: 9

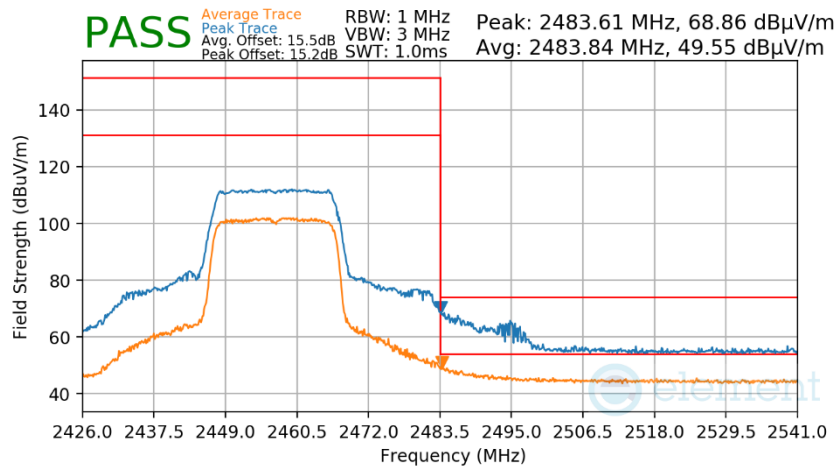


Plot 7-177 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 136 of 159

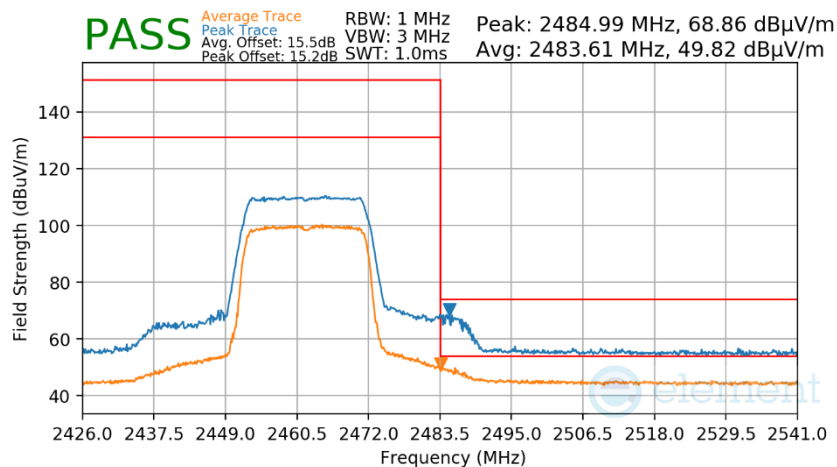
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10



Plot 7-178 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

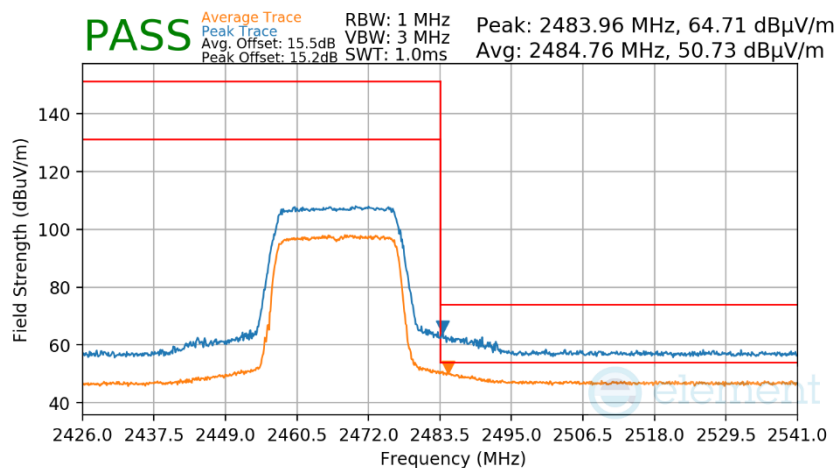


Plot 7-179 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 137 of 159

V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12



Plot 7-180 Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 138 of 159

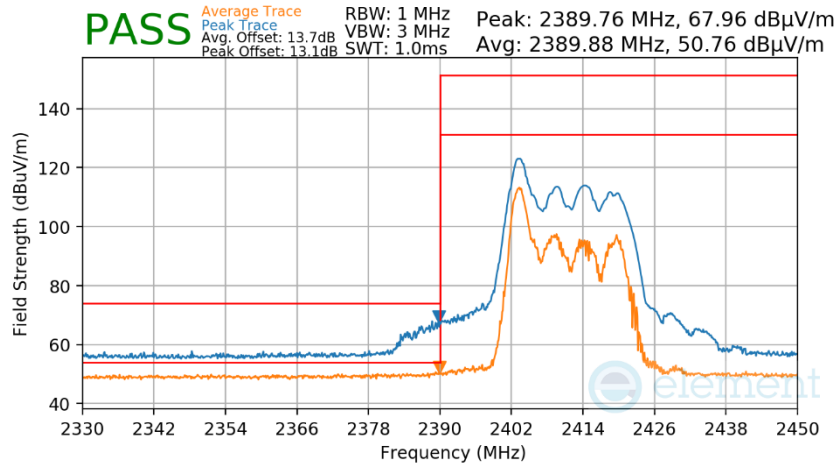
V 10.6 10/27/2023

7.7.6 CDD Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

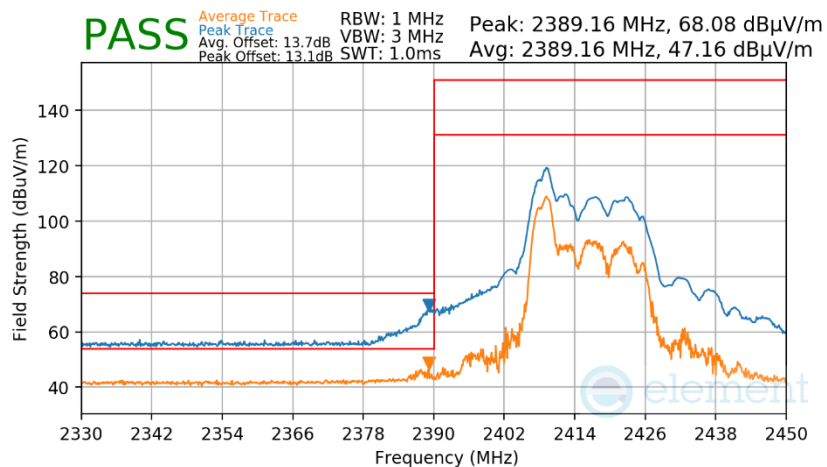
RU26

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-181 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU26)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	0
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



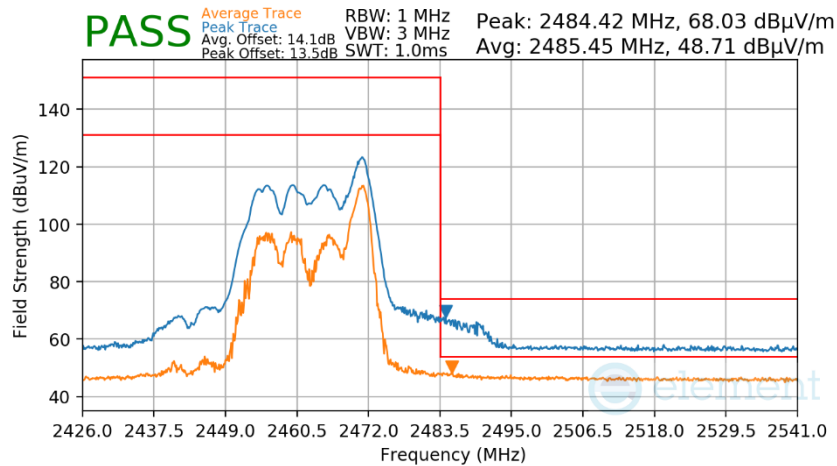
Plot 7-182 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU26)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 139 of 159

V 10.6 10/27/2023

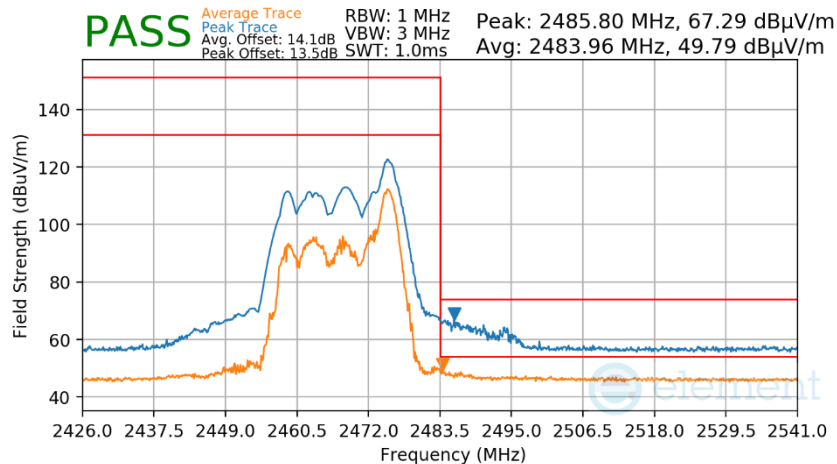
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry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

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 8
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



Plot 7-183 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 8
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

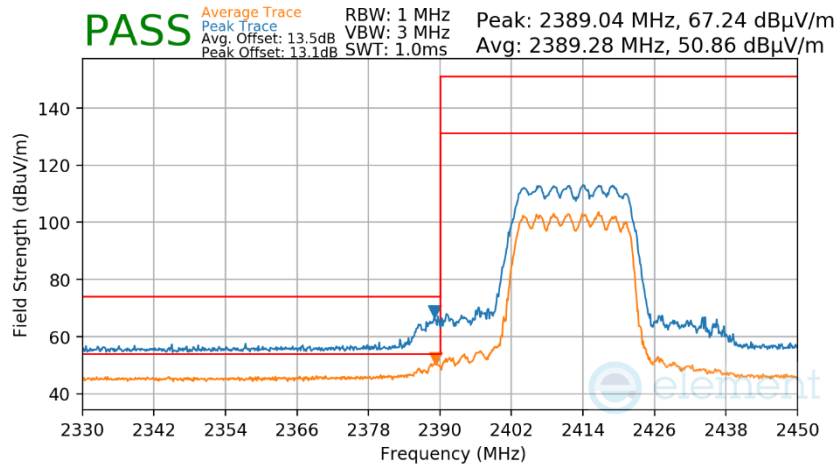


Plot 7-184 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 140 of 159

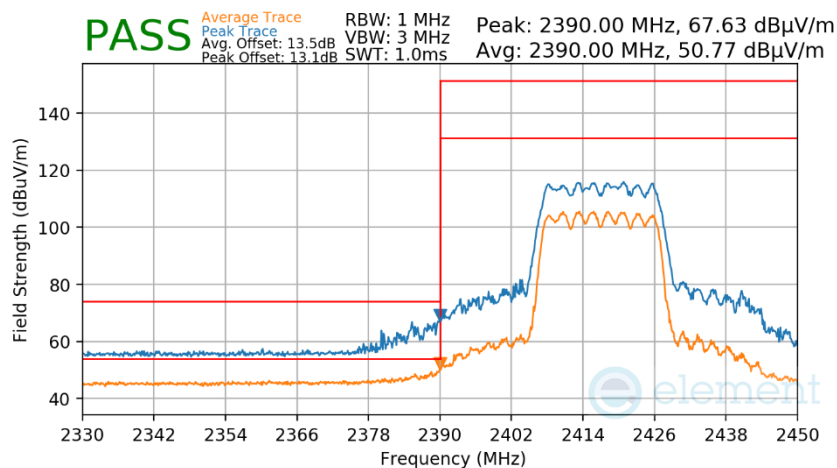
RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-185 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2

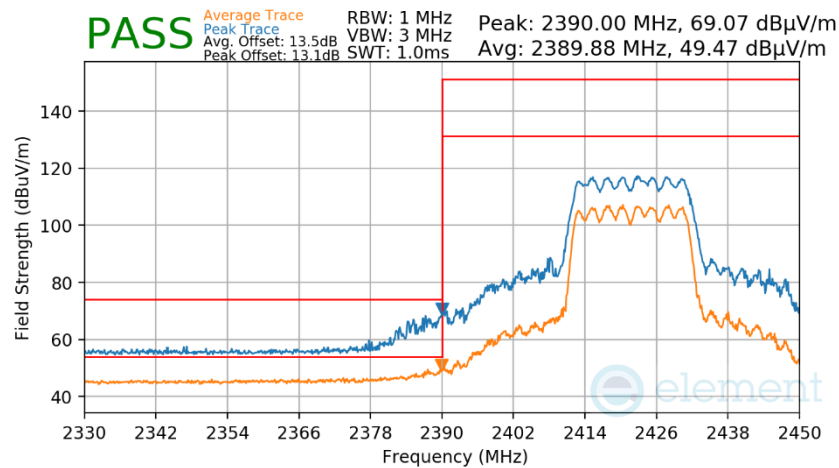


Plot 7-186 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 141 of 159

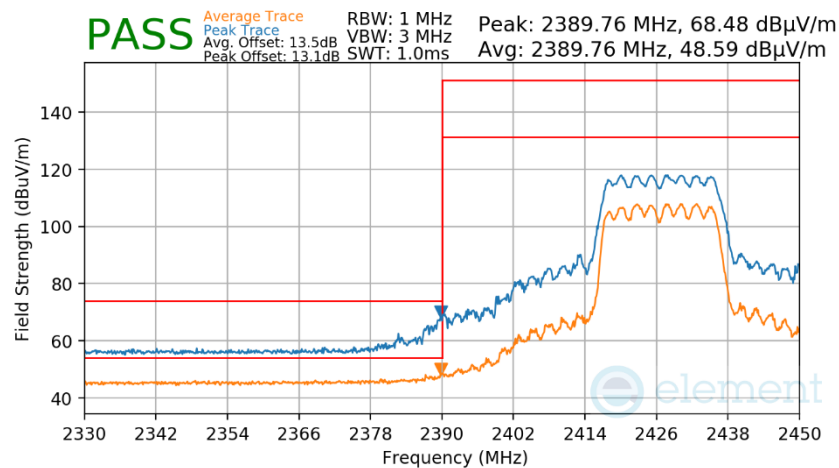
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2422MHz
Channel: 3



Plot 7-187 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2427MHz
Channel: 4

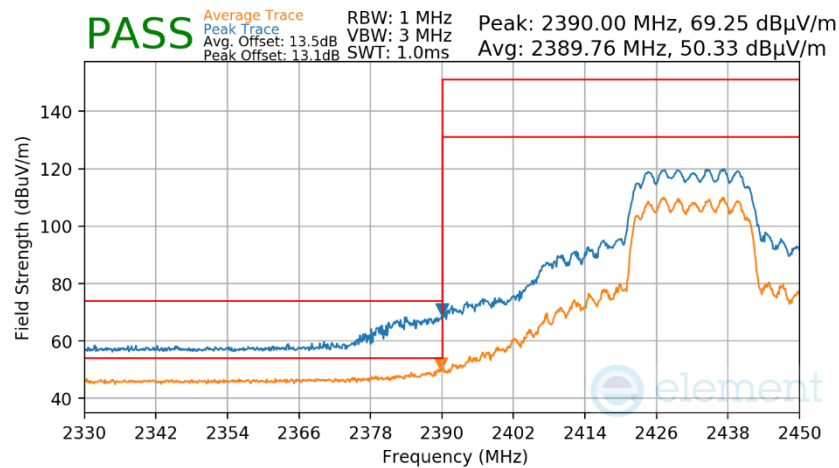


Plot 7-188 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 142 of 159

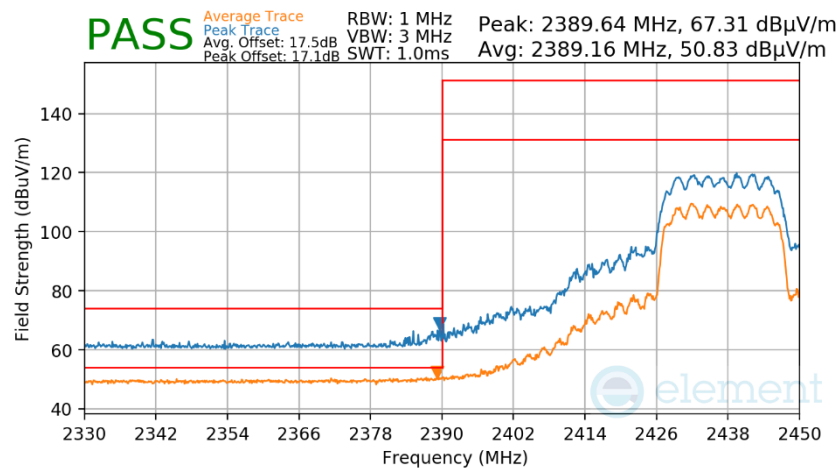
V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2432MHz
Channel: 5



Plot 7-189 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

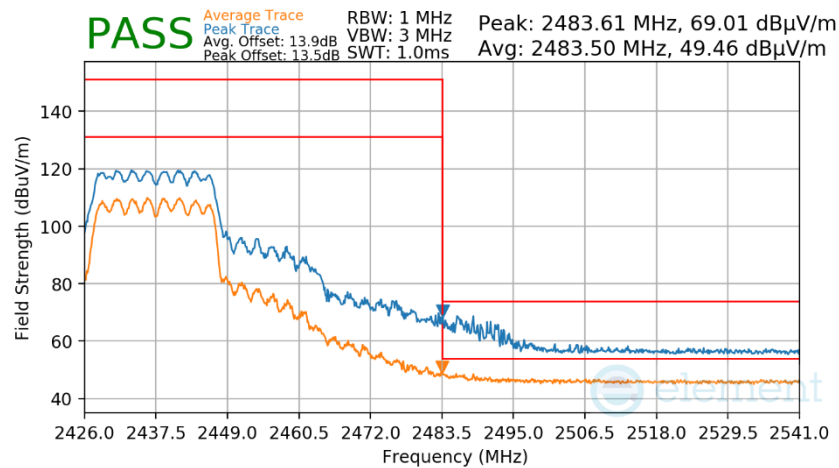
Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6



Plot 7-190 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

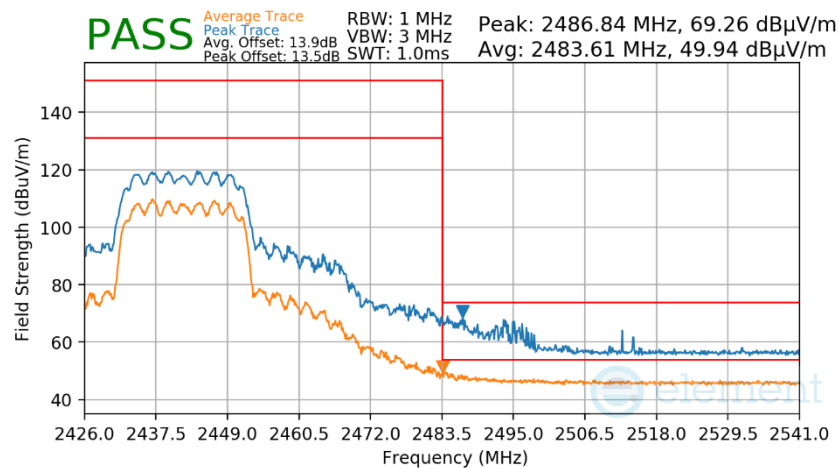
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 143 of 159

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6



Plot 7-191 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

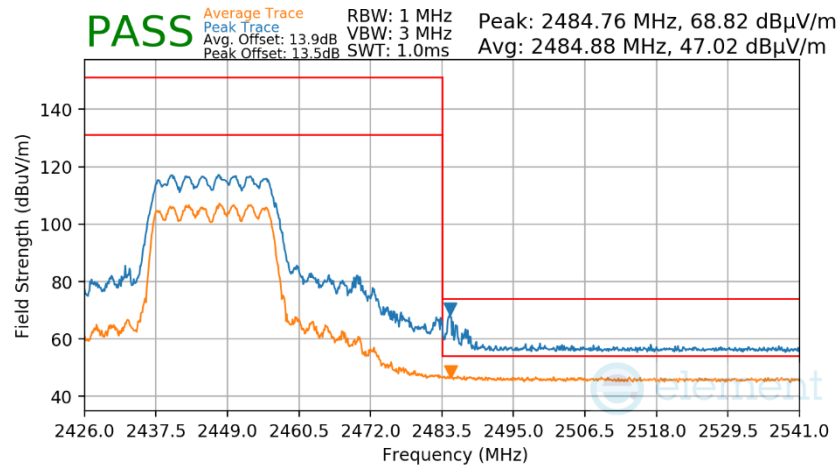
Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2442MHz
Channel: 7



Plot 7-192 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

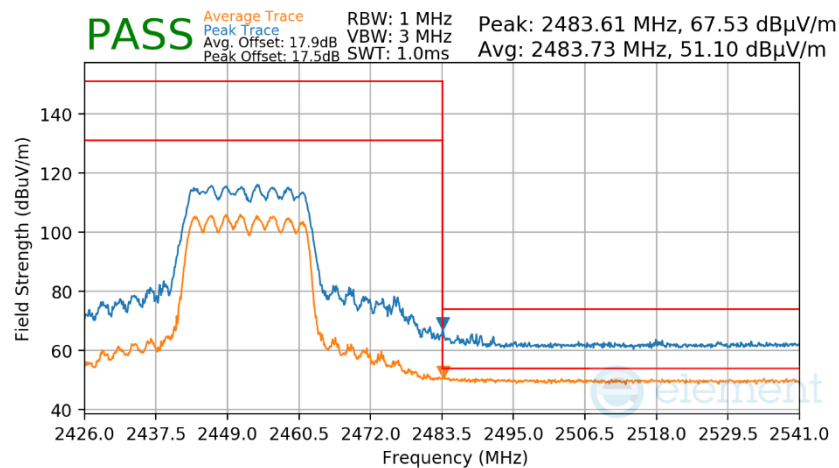
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 144 of 159

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2447MHz
Channel: 8



Plot 7-193 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

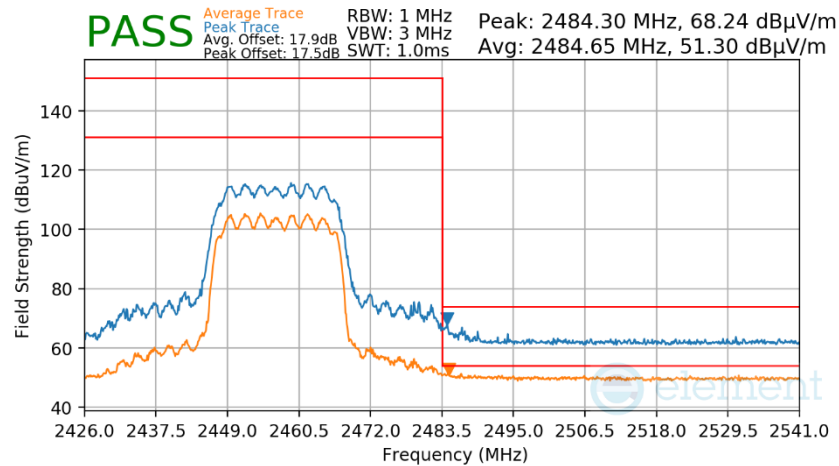
Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2452MHz
Channel: 9



Plot 7-194 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

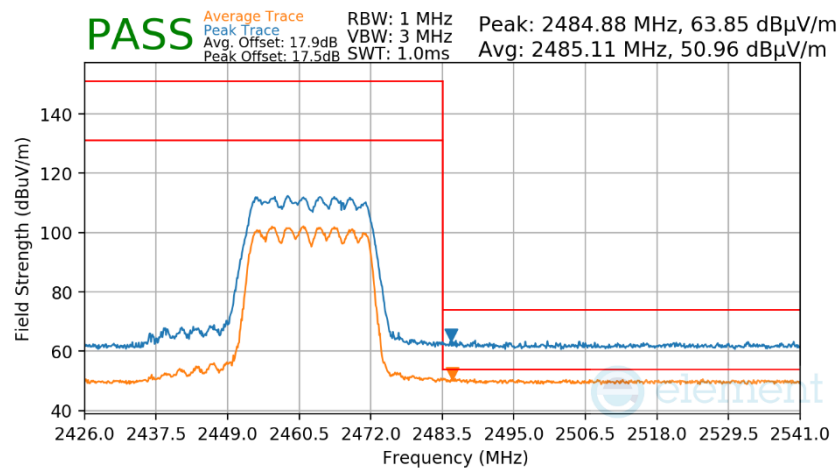
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 145 of 159

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10



Plot 7-195 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

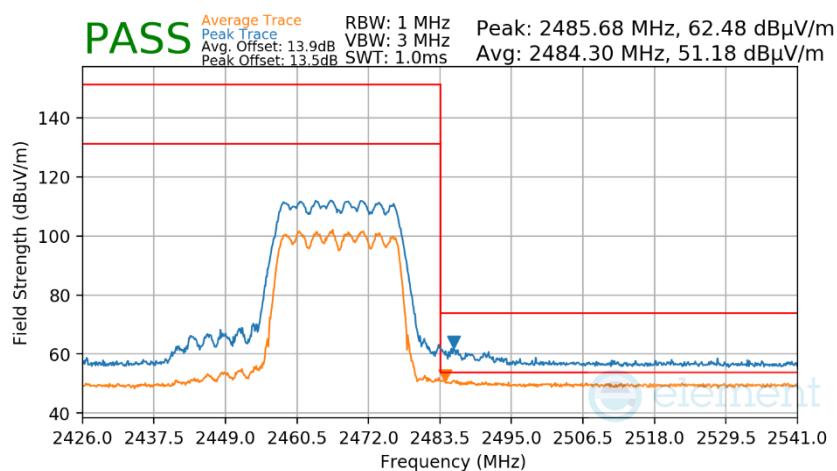


Plot 7-196 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 146 of 159

V 10.6 10/27/2023

Mode: 802.11ax OFDMA
Transfer Rate: MCS9
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12



Plot 7-197 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 147 of 159

V 10.6 10/27/2023

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 and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-43 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 7-43. 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 = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 148 of 159

V 10.6 10/27/2023

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

Test Setup

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

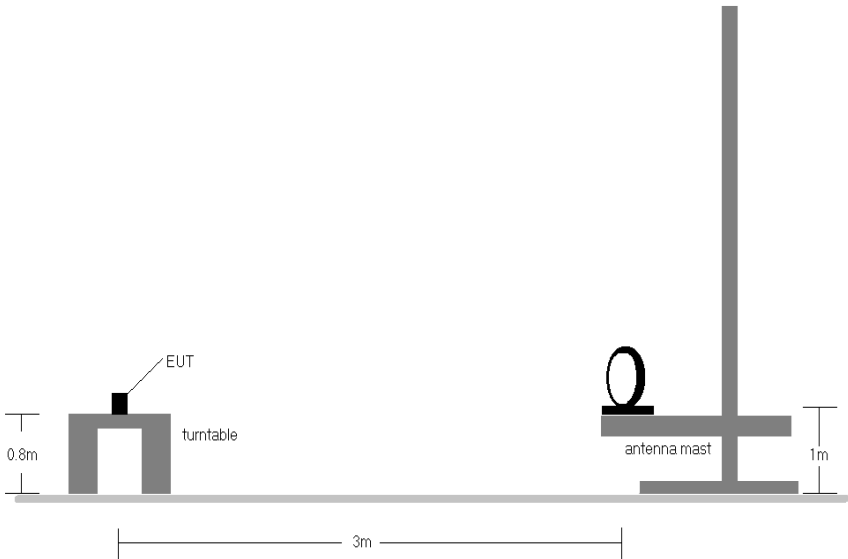


Figure 7-7. Radiated Test Setup < 30MHz

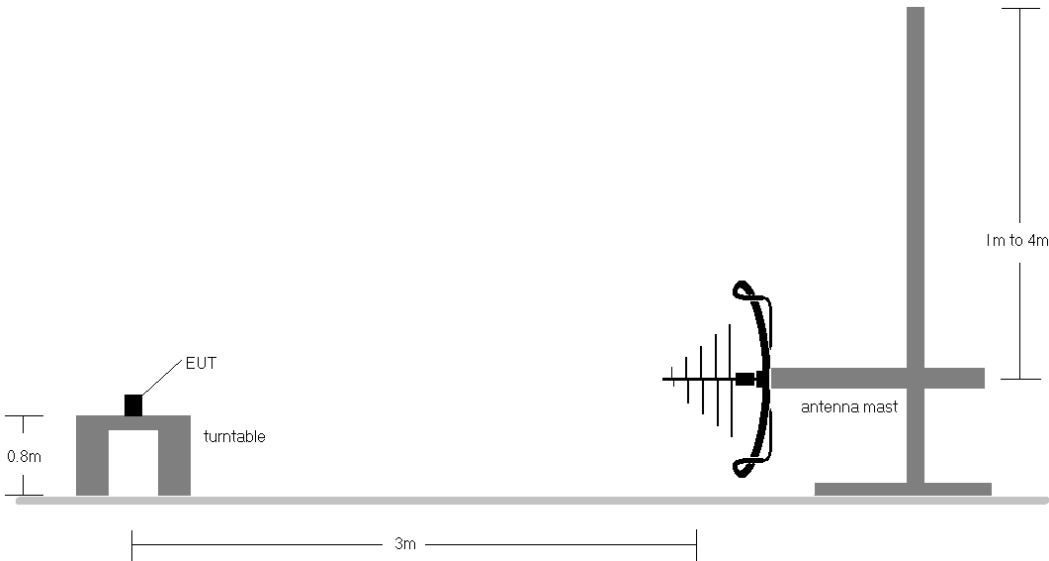


Figure 7-8. Radiated Test Setup < 1GHz

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 149 of 159

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 for emissions 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. All antenna configurations and data rates were investigated and only the worst case are reported.
10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.
11. 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

Sample Calculations

Determining Spurious Emissions Levels

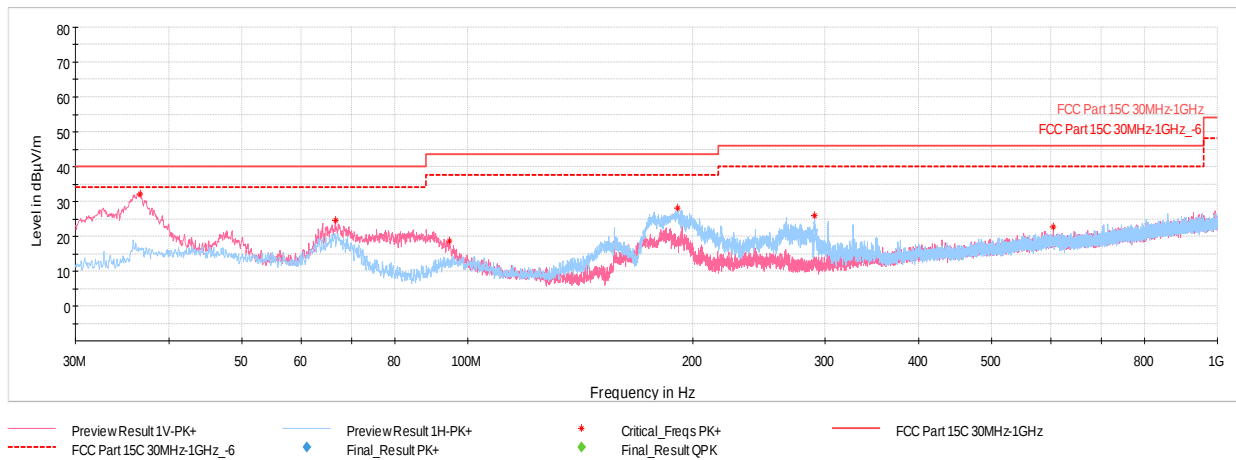
- Field Strength Level $_{[dB_{\mu V/m}]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamplifier Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB_{\mu V/m}]} - \text{Limit}_{[dB_{\mu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

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 150 of 159

V 10.6 10/27/2023

CDD Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-198. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC adaptor via USB-C cable with wire charger

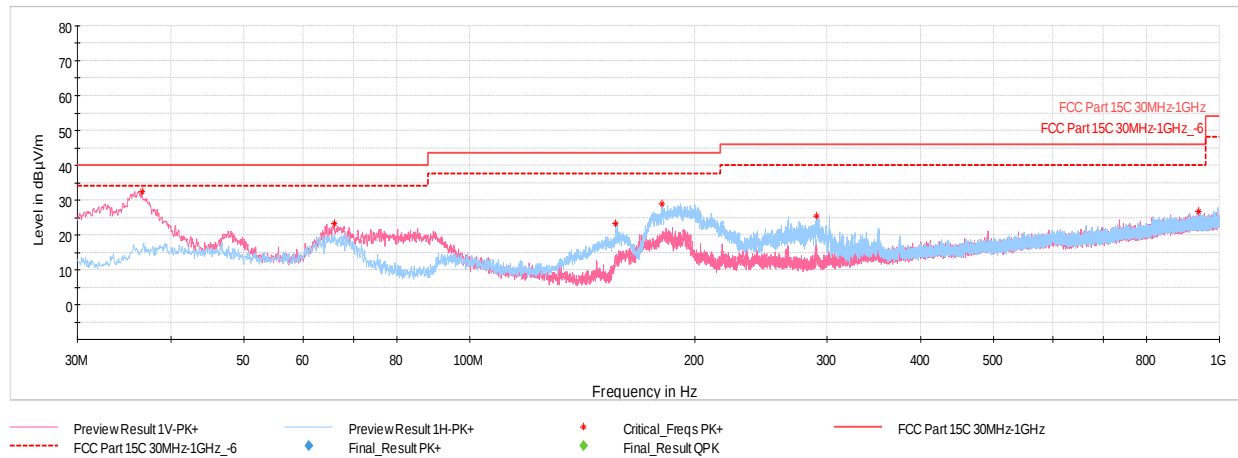
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
36.60	Max-Peak	V	100	259	-60.07	-14.71	32.22	40.00	-7.78
66.67	Max-Peak	V	100	221	-65.44	-17.10	24.46	40.00	-15.54
94.55	Max-Peak	V	100	141	-71.55	-16.89	18.56	43.52	-24.96
190.68	Max-Peak	H	100	178	-62.05	-16.85	28.10	43.52	-15.42
290.20	Max-Peak	H	100	110	-66.93	-14.09	25.98	46.02	-20.04
604.39	Max-Peak	V	300	173	-77.62	-6.63	22.75	46.02	-23.27

Table 7-44. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 151 of 159

V 10.6 10/27/2023

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



Plot 7-199. Radiated Spurious Emissions below 1GHz CDD Ch.6 (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]
36.60	Max-Peak	V	100	270	-59.93	-14.71	32.36	40.00	-7.64
66.04	Max-Peak	V	100	207	-66.93	-16.90	23.17	40.00	-16.83
156.73	Max-Peak	H	200	194	-64.41	-19.24	23.35	43.52	-20.17
180.74	Max-Peak	H	200	142	-60.10	-17.98	28.92	43.52	-14.60
290.30	Max-Peak	H	100	242	-67.40	-14.09	25.51	46.02	-20.51
938.84	Max-Peak	V	100	156	-78.37	-1.88	26.75	46.02	-19.27

Table 7-45. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 152 of 159

7.9 AC Line-Conducted Emissions Measurement

§15.207; 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 7-46. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, Subclause 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: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 153 of 159

V 10.6 10/27/2023

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

Test Setup

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

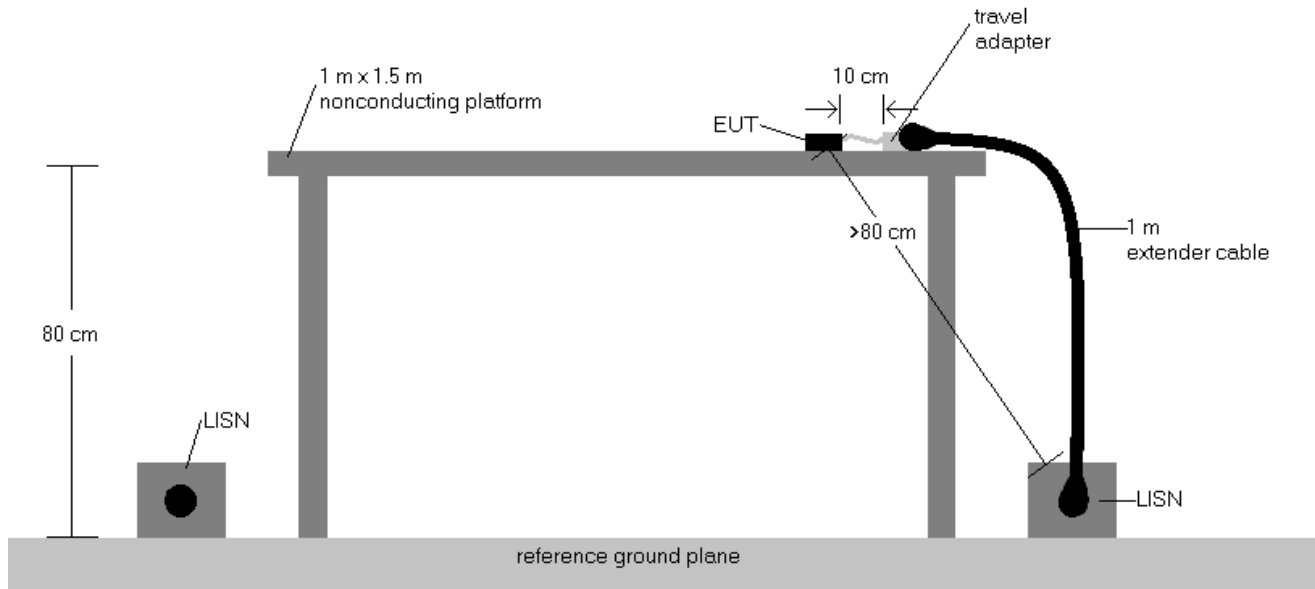


Figure 7-9. Test Instrument & Measurement Setup

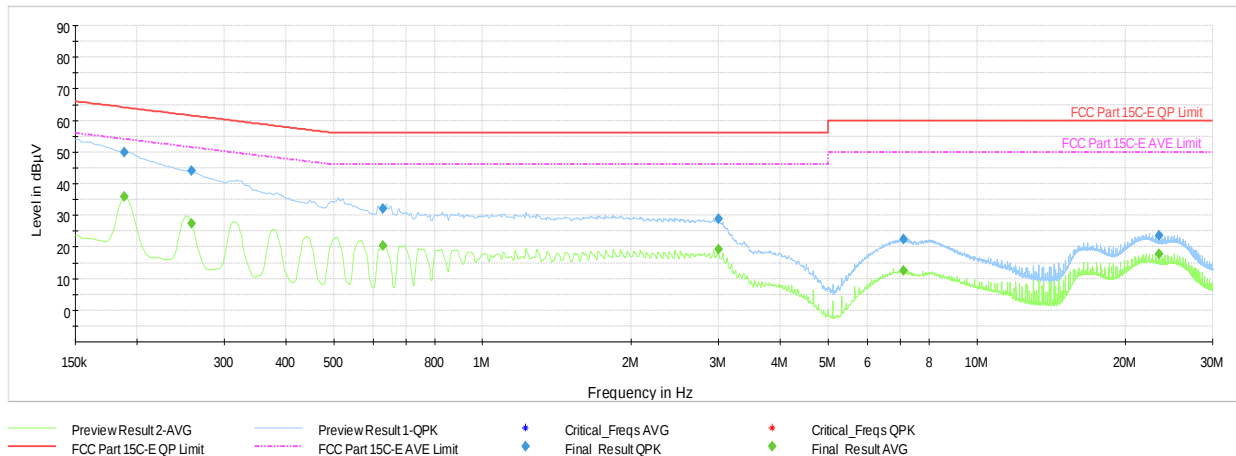
Test Notes

- 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 Part 15.207 and RSS-Gen(8.8).
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBμV) = QP/AV Analyzer/Receiver Level (dBμV) + Correction Factor (dB)
- Margin (dB) = QP/AV Level (dBμV) - QP/AV Limit (dBμV)
- Traces shown in plot are made using quasi peak and average detectors.
- Deviations to the Specifications: None.
- All RU's were investigated and only worst case partially-loaded and fully-loaded RU's are reported.

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 154 of 159

V 10.6 10/27/2023

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



Plot 7-200. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (L1, with host PC via USB-C cable with wire charger)

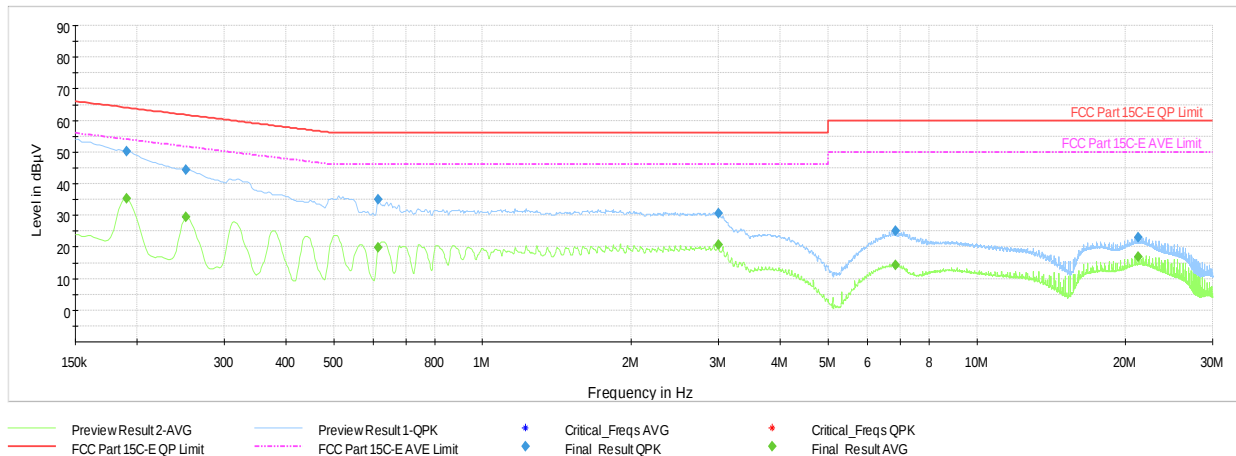
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.188	FINAL	—	35.78	54.11	-18.34	L1	GND
0.188	FINAL	49.9	—	64.11	-14.23	L1	GND
0.258	FINAL	—	27.42	51.50	-24.08	L1	GND
0.258	FINAL	44.1	—	61.50	-17.45	L1	GND
0.629	FINAL	—	20.48	46.00	-25.52	L1	GND
0.629	FINAL	32.1	—	56.00	-23.95	L1	GND
2.999	FINAL	28.9	—	56.00	-27.13	L1	GND
2.999	FINAL	—	19.17	46.00	-26.83	L1	GND
7.096	FINAL	22.3	—	60.00	-37.68	L1	GND
7.096	FINAL	—	12.47	50.00	-37.53	L1	GND
23.336	FINAL	—	17.75	50.00	-32.25	L1	GND
23.336	FINAL	23.5	—	60.00	-36.52	L1	GND

Table 7-47. AC Line Conducted Data with 802.11ax (RU26) Ch.6 (L1, with host PC via USB-C cable with wire charger)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 155 of 159

V 10.6 10/27/2023

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



Plot 7-201. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (N, with host PC via USB-C cable with wire charger)

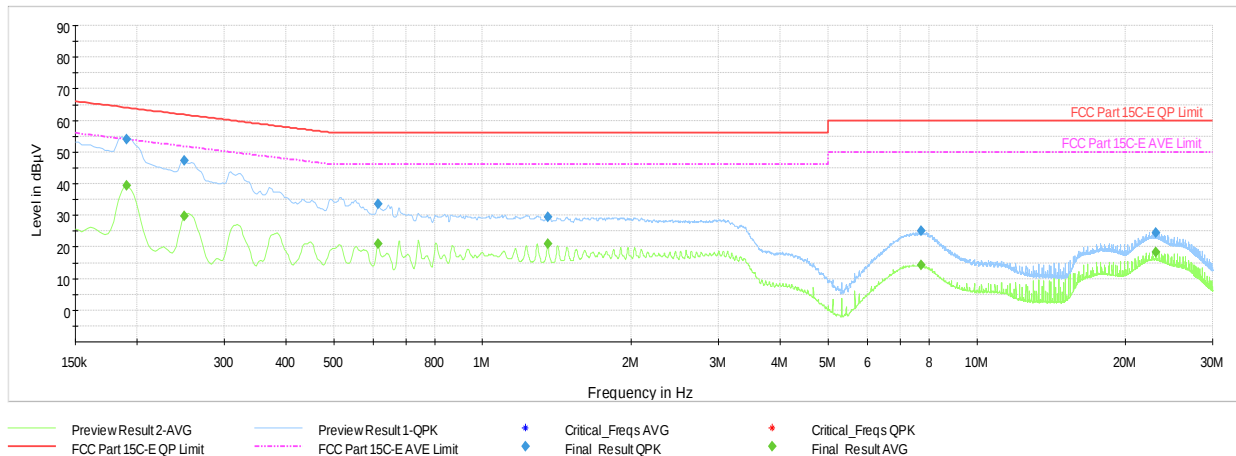
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.191	FINAL	—	35.41	54.02	-18.60	N	GND
0.191	FINAL	50.1	—	64.02	-13.90	N	GND
0.251	FINAL	—	29.34	51.72	-22.38	N	GND
0.251	FINAL	44.4	—	61.72	-17.31	N	GND
0.614	FINAL	—	19.75	46.00	-26.25	N	GND
0.614	FINAL	35.0	—	56.00	-20.99	N	GND
2.999	FINAL	30.6	—	56.00	-25.43	N	GND
2.999	FINAL	—	20.73	46.00	-25.27	N	GND
6.851	FINAL	25.1	—	60.00	-34.95	N	GND
6.851	FINAL	—	14.27	50.00	-35.73	N	GND
21.224	FINAL	—	16.86	50.00	-33.14	N	GND
21.224	FINAL	22.9	—	60.00	-37.09	N	GND

Table 7-48. AC Line Conducted Data with 802.11ax (RU26) Ch.6 (N, with host PC via USB-C cable with wire charger)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 156 of 159

V 10.6 10/27/2023

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



Plot 7-202. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (L1, with host PC via USB-C cable with wire charger)

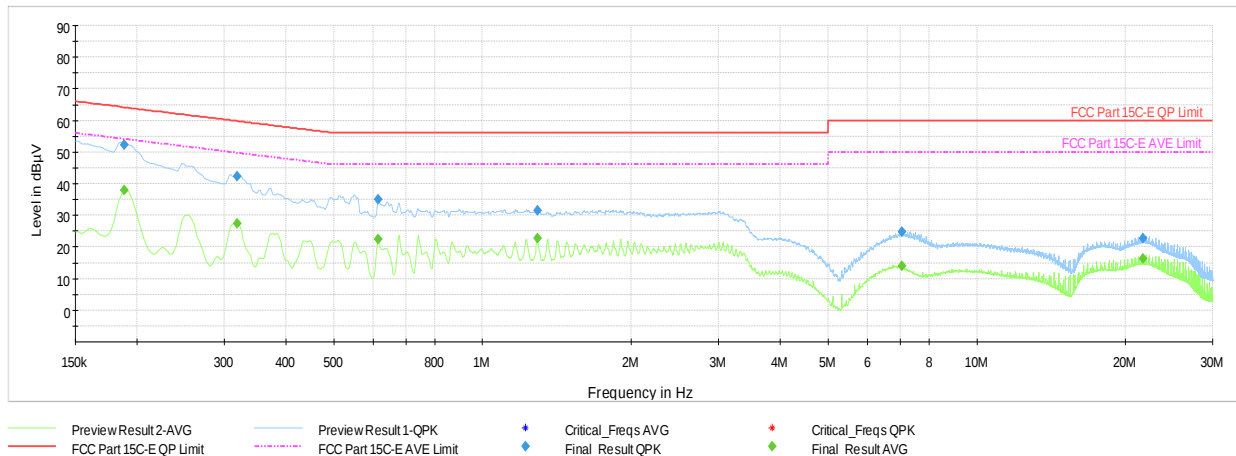
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.191	FINAL	—	39.35	54.02	-14.67	L1	GND
0.191	FINAL	54.0	—	64.02	-9.97	L1	GND
0.249	FINAL	—	29.69	51.79	-22.10	L1	GND
0.249	FINAL	47.2	—	61.79	-14.59	L1	GND
0.616	FINAL	—	20.88	46.00	-25.12	L1	GND
0.616	FINAL	33.5	—	56.00	-22.53	L1	GND
1.354	FINAL	29.4	—	56.00	-26.65	L1	GND
1.354	FINAL	—	20.91	46.00	-25.09	L1	GND
7.726	FINAL	25.1	—	60.00	-34.93	L1	GND
7.726	FINAL	—	14.21	50.00	-35.79	L1	GND
23.001	FINAL	—	18.46	50.00	-31.54	L1	GND
23.001	FINAL	24.5	—	60.00	-35.52	L1	GND

Table 7-49. AC Line Conducted Data with 802.11ax (RU242) Ch.6 (L1, with host PC via USB-C cable with wire charger)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 157 of 159

V 10.6 10/27/2023

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



Plot 7-203. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (N, with host PC via USB-C cable with wire charger)

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.188	FINAL	—	38.09	54.11	-16.02	N	GND
0.188	FINAL	52.2	—	64.11	-11.88	N	GND
0.319	FINAL	—	27.39	49.74	-22.35	N	GND
0.319	FINAL	42.5	—	59.74	-17.28	N	GND
0.614	FINAL	—	22.47	46.00	-23.53	N	GND
0.614	FINAL	35.0	—	56.00	-20.96	N	GND
1.291	FINAL	31.4	—	56.00	-24.58	N	GND
1.291	FINAL	—	22.87	46.00	-23.13	N	GND
7.051	FINAL	24.7	—	60.00	-35.26	N	GND
7.051	FINAL	—	13.88	50.00	-36.12	N	GND
21.671	FINAL	—	16.36	50.00	-33.64	N	GND
21.671	FINAL	22.8	—	60.00	-37.25	N	GND

Table 7-50. AC Line Conducted Data with 802.11ax (RU242) Ch.6 (N, with host PC via USB-C cable with wire charger)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 158 of 159

V 10.6 10/27/2023

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

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2993, IC: 579C-A2993** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-04-R1.BCG	Test Dates: 5/20/2024 - 7/01/2024	EUT Type: Tablet Device	Page 159 of 159

V 10.6 10/27/2023

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