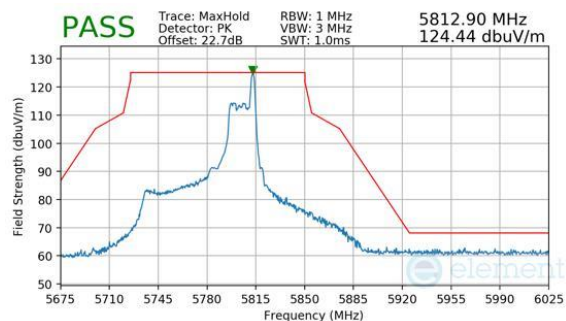


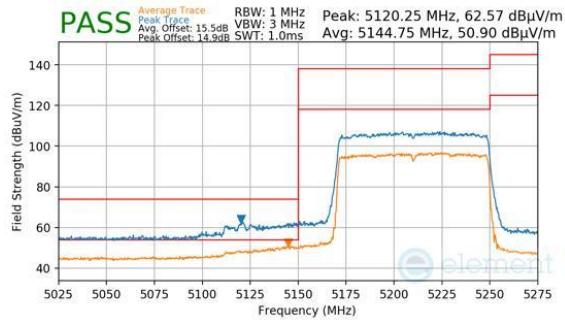


Plot 7-519. Antenna WF5T (Pk, RU26, Index 36, Ch.155, MCS11)

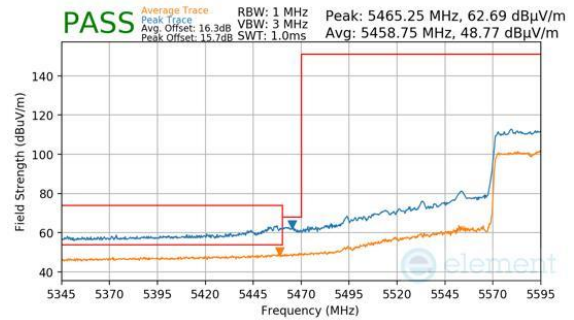
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 234 of 274

V 10.6 10/27/2023

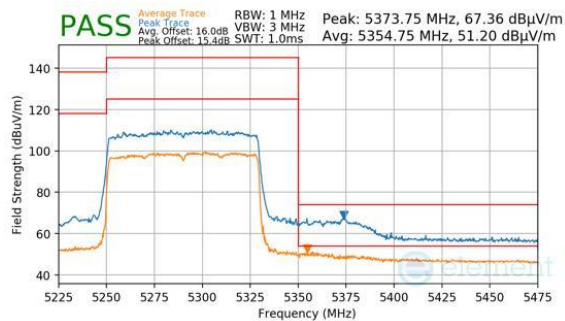
RU996



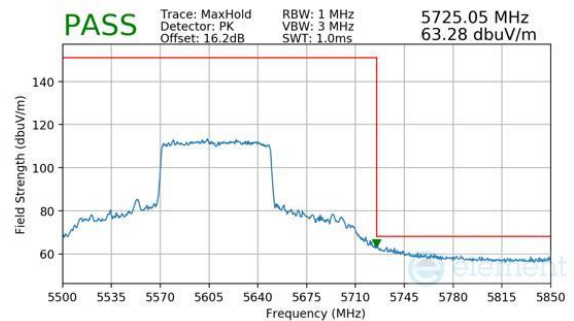
Plot 7-520. Antenna WF5T (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



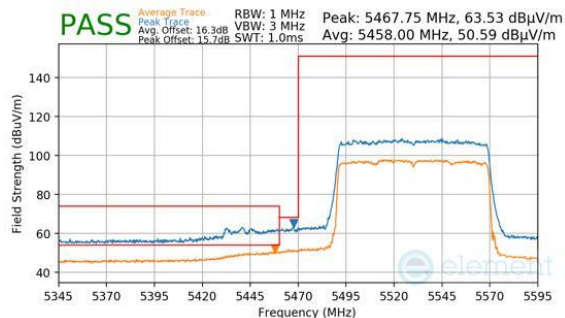
Plot 7-523. (FCC Only) Antenna WF5T (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



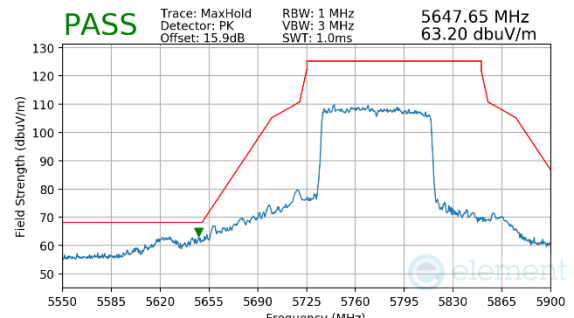
Plot 7-521. Antenna WF5T (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



Plot 7-524. (FCC Only) Antenna WF5T (Pk, RU996, Index 67, Ch.122, MCS11)



Plot 7-522. Antenna WF5T (Pk & Avg, RU996, Index 67, Ch.106, MCS11)

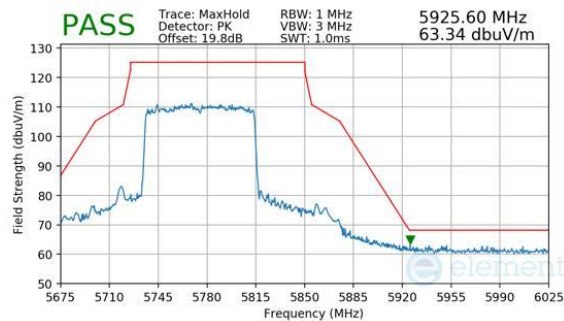


Plot 7-525. Antenna WF5T (Pk, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 235 of 274

V 10.6 10/27/2023

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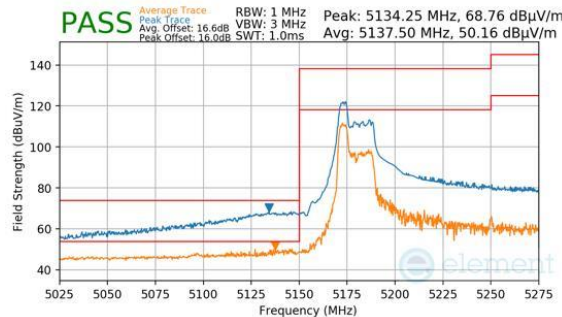
Plot 7-526. Antenna WF5T (Pk, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 236 of 274

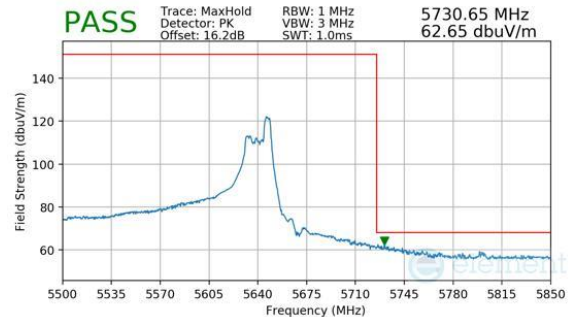
V 10.6 10/27/2023

7.6.7 Antenna WF5T Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

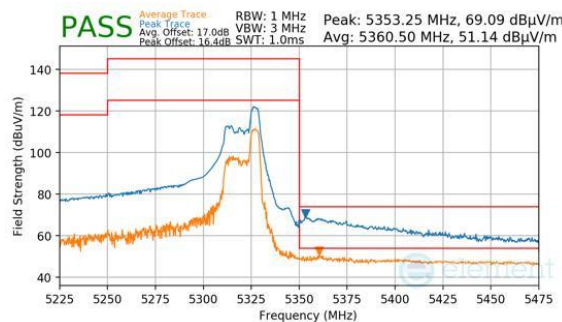
RU52



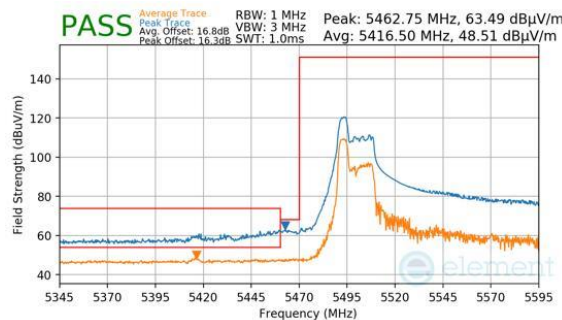
Plot 7-527. Antenna WF5T (Pk & Avg, RU52, Index 37, Ch.50, MCS11)



Plot 7-530. (FCC Only) Antenna WF5T (Pk, RU52, Index 52, Ch.114, MCS11)



Plot 7-528. Antenna WF5T (Pk & Avg, RU52, Index 52, Ch.50, MCS11)

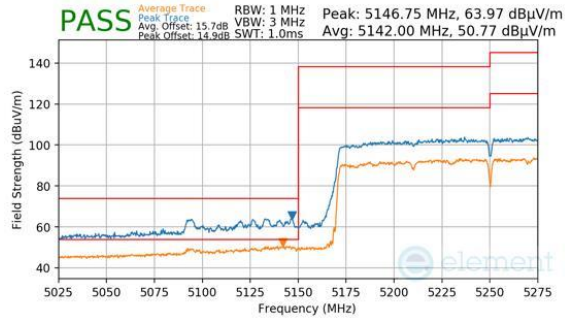


Plot 7-529. (FCC Only) Antenna WF5T (Pk & Avg, RU52, Index 37, Ch.114, MCS11)

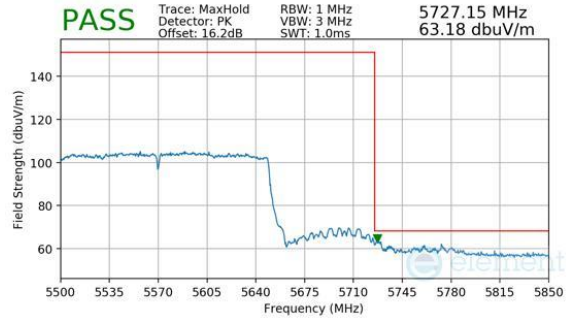
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 237 of 274

V 10.6 10/27/2023

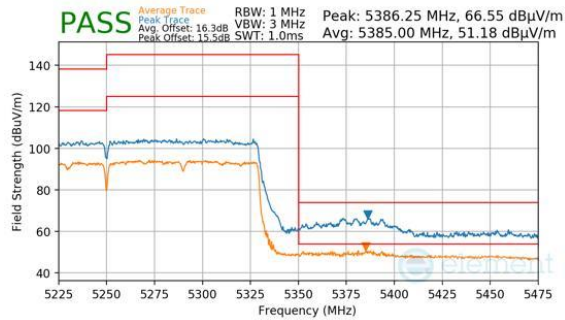
RU996X2



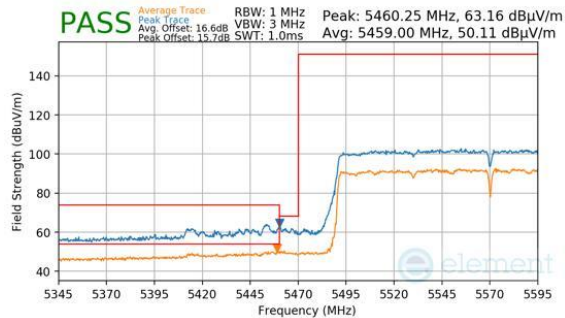
Plot 7-531. Antenna WF5T (Pk & Avg, RU996X2, Index 68, Ch.50, MCS11)



Plot 7-534. (FCC Only) Antenna WF5T (Pk, RU996X2, Index 68, Ch.114, MCS11)



Plot 7-532. Antenna WF5T (Pk & Avg, RU996X2, Index 68, Ch.50, MCS11)



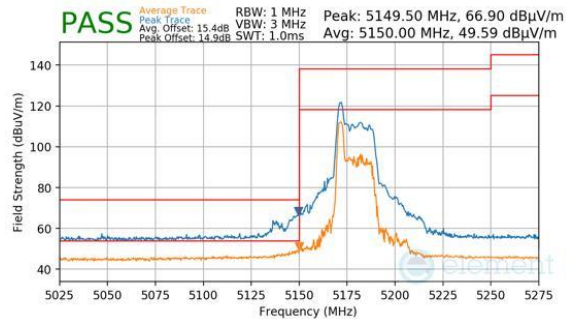
Plot 7-533. (FCC Only) Antenna WF5T (Pk & Avg, RU996X2, Index 68, Ch.114, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 238 of 274

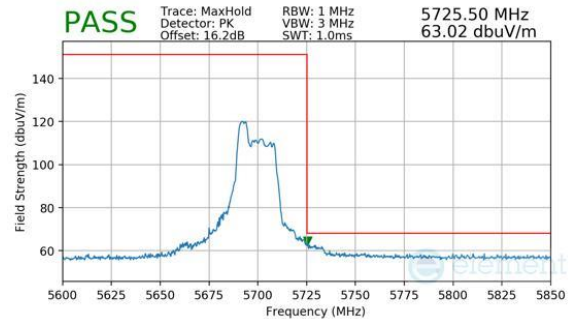
V 10.6 10/27/2023

7.6.8 Antenna WF2 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

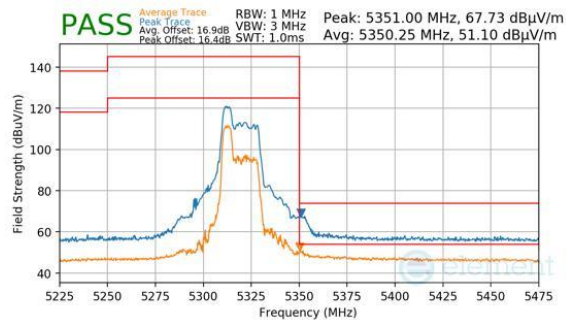
RU26/52



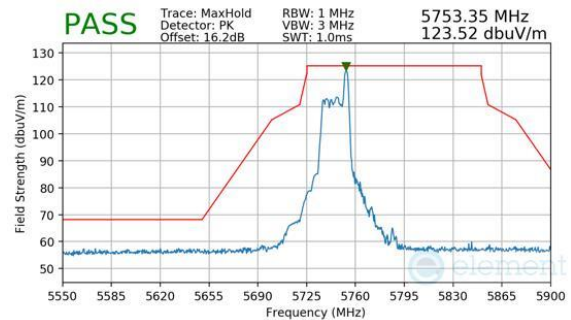
Plot 7-535. Antenna WF2 (Pk & Avg, RU26, Index 0, Ch.36, MCS11)



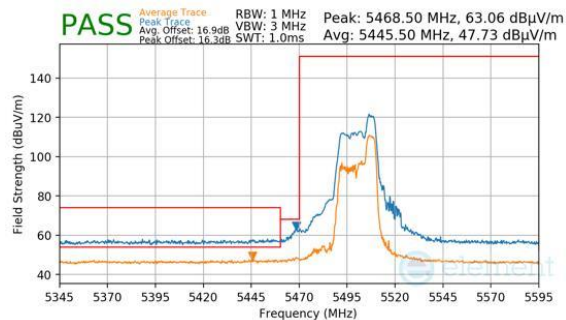
Plot 7-538. Antenna WF2 (Pk, RU52, Index 37, Ch.140, MCS11)



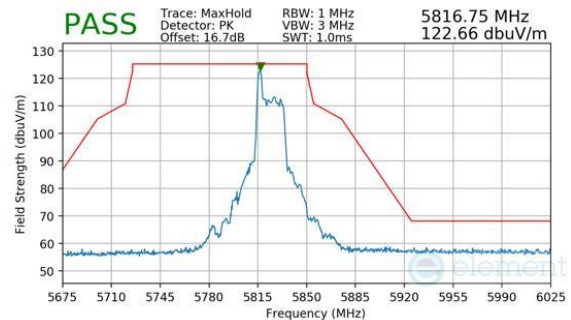
Plot 7-536. Antenna WF2 (Pk & Avg, RU52, Index 37, Ch.64, MCS11)



Plot 7-539. Antenna WF2 (Pk, RU26, Index 8, Ch.149, MCS11)



Plot 7-537. Antenna WF2 (Pk & Avg, RU52, Index 40, Ch.100, MCS11)

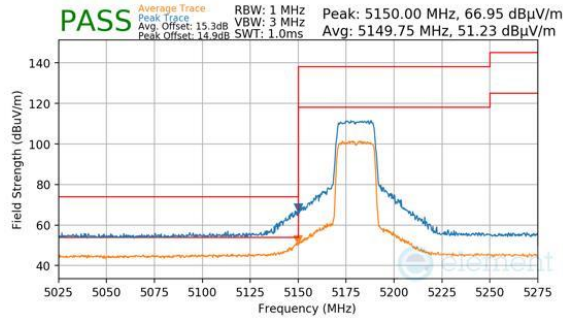


Plot 7-540. Antenna WF2 (Pk, RU26, Index 0, Ch.165, MCS11)

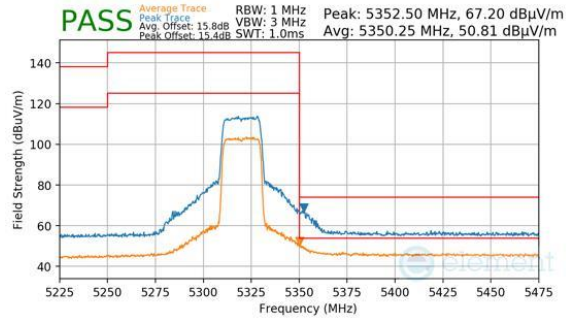
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 239 of 274

V 10.6 10/27/2023

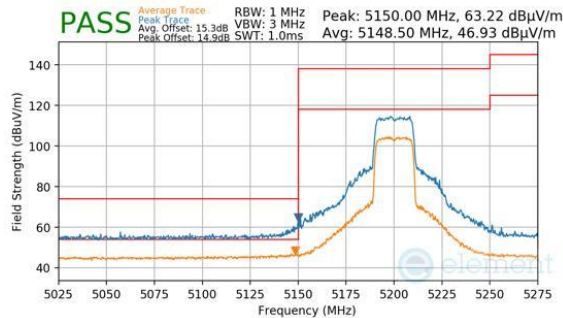
RU242



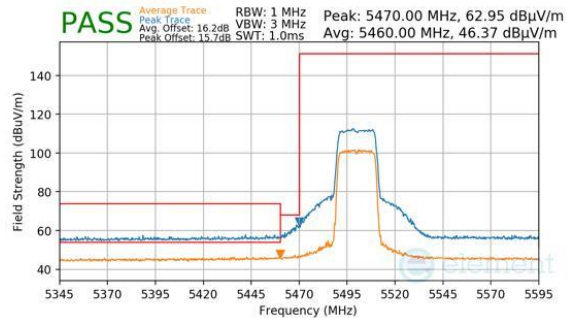
Plot 7-541. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.36, MCS11)



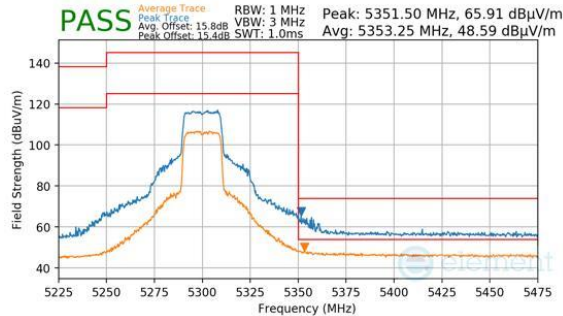
Plot 7-544. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.64, MCS11)



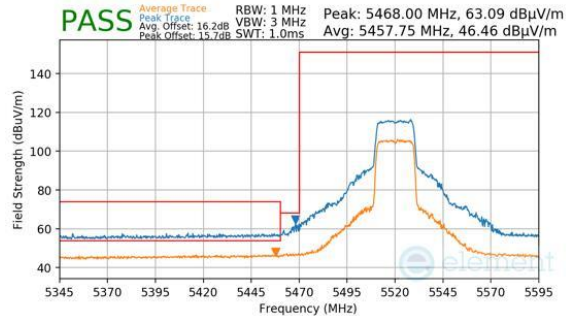
Plot 7-542. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.40, MCS11)



Plot 7-545. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.100, MCS11)



Plot 7-543. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.60, MCS11)

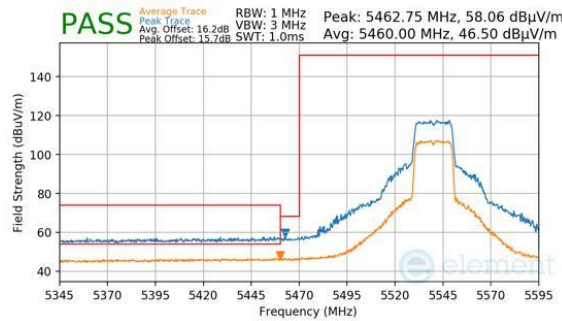


Plot 7-546. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.104, MCS11)

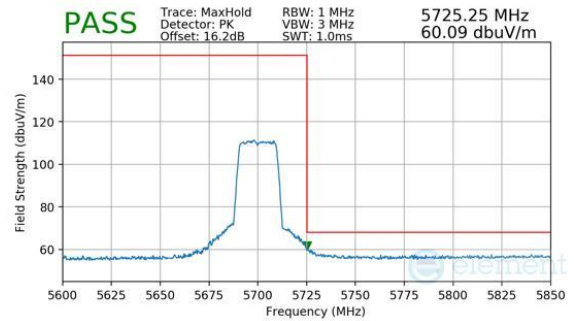
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 240 of 274

V 10.6 10/27/2023

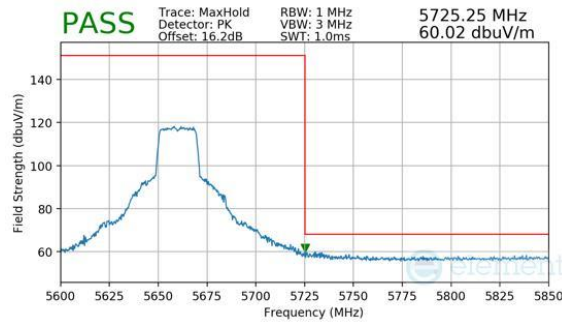
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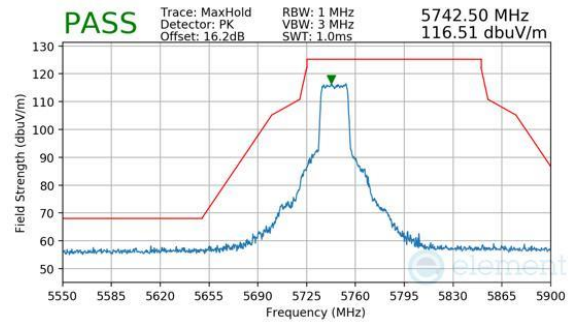
Plot 7-547. Antenna WF2 (Pk & Avg, RU242, Index 61, Ch.108, MCS11)



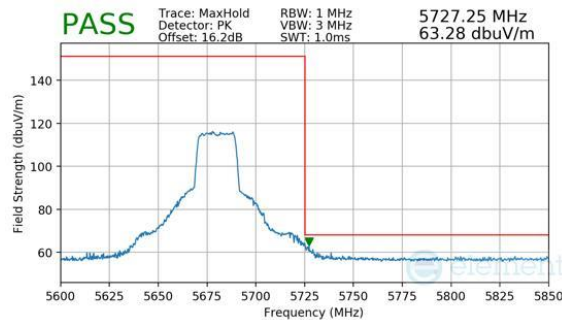
Plot 7-550. Antenna WF2 (Pk, RU242, Index 61, Ch.140, MCS11)



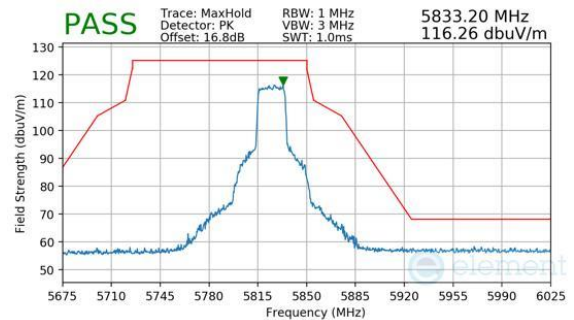
Plot 7-548. Antenna WF2 (Pk, RU242, Index 61, Ch.132, MCS11)



Plot 7-551. Antenna WF2 (Pk, RU242, Index 61, Ch.149, MCS11)

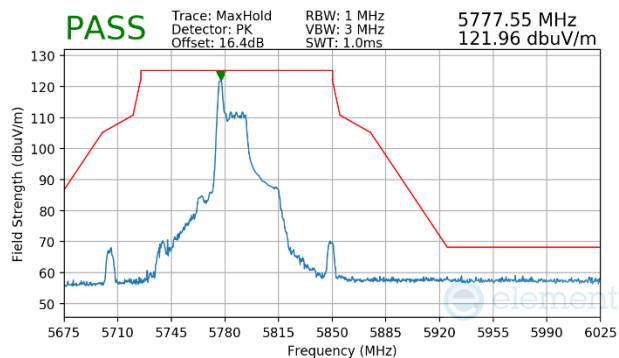


Plot 7-549. Antenna WF2 (Pk, RU242, Index 61, Ch.136, MCS11)



Plot 7-552. Antenna WF2 (Pk, RU242, Index 61, Ch.165, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 241 of 274

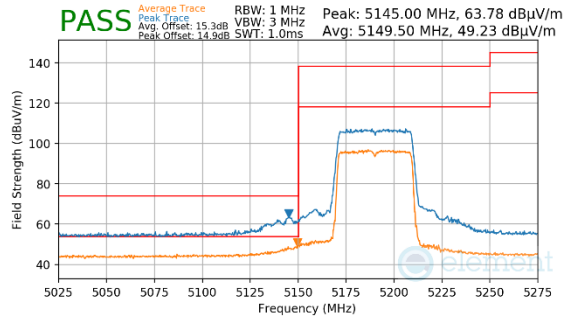


Plot 7-559. Antenna WF2 (Pk, RU26, Index 0, Ch.159, MCS11)

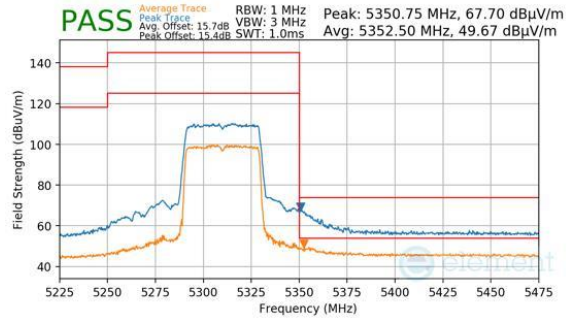
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 243 of 274

V 10.6 10/27/2023

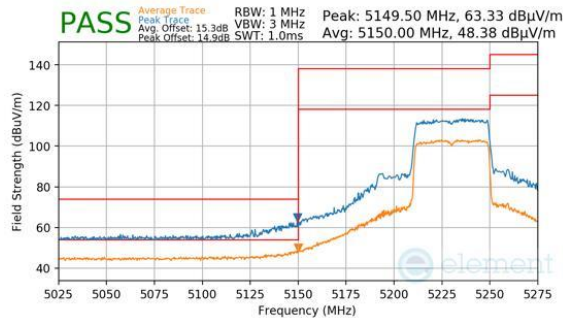
RU484



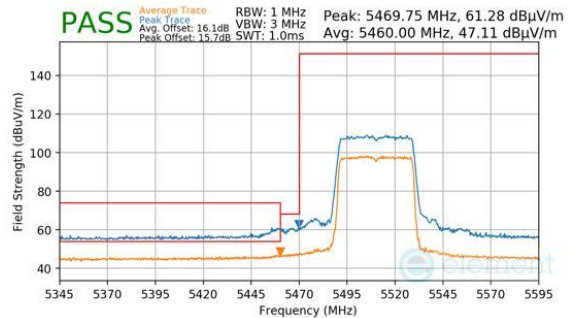
Plot 7-560. Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.38, MCS11)



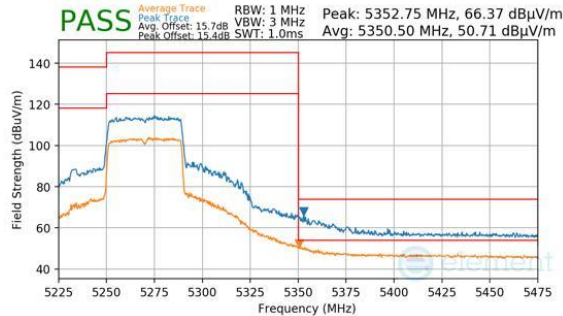
Plot 7-563. Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.62, MCS11)



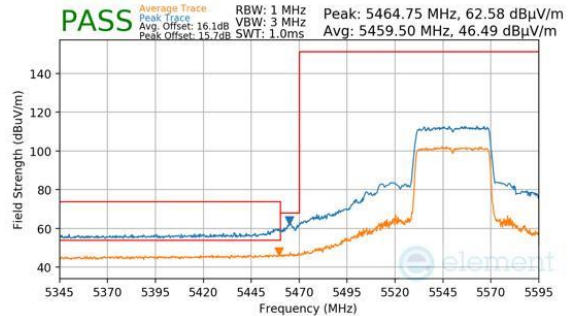
Plot 7-561. Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.46, MCS11)



Plot 7-564. Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.102, MCS11)



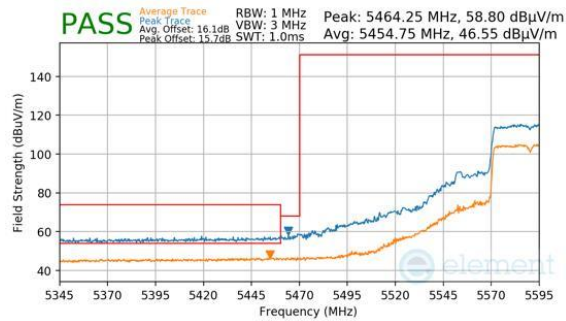
Plot 7-562. Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.54, MCS11)



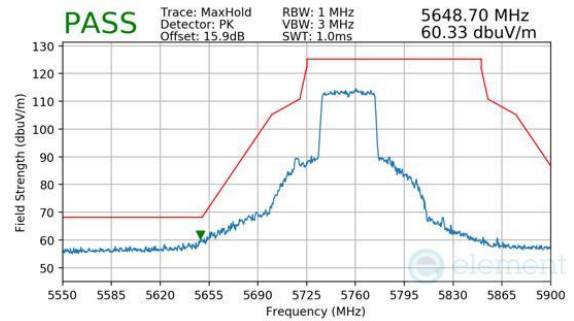
Plot 7-565. Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.110, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 244 of 274

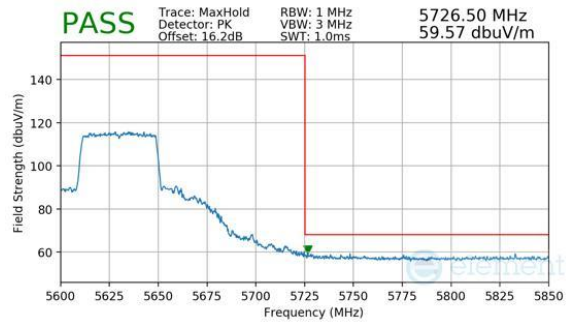
V 10.6 10/27/2023



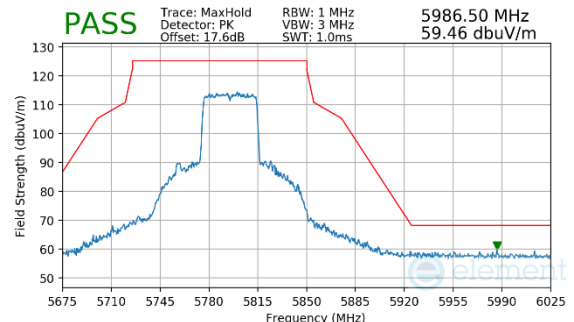
Plot 7-566. (FCC Only) Antenna WF2 (Pk & Avg, RU484, Index 65, Ch.118, MCS11)



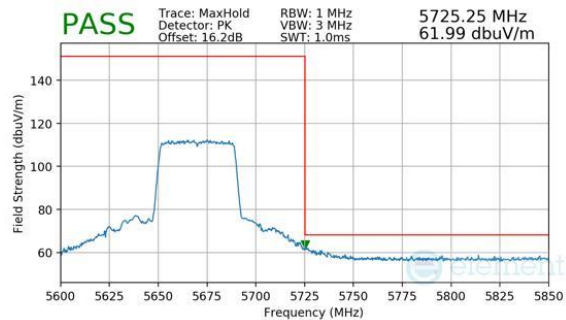
Plot 7-569. Antenna WF2 (Pk, RU484, Index 65, Ch.151, MCS11)



Plot 7-567. (FCC Only) Antenna WF2 (Pk, RU484, Index 65, Ch.126, MCS11)



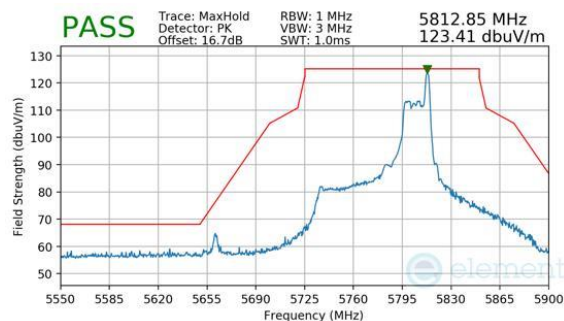
Plot 7-570. Antenna WF2 (Pk, RU484, Index 65, Ch.159, MCS11)



Plot 7-568. Antenna WF2 (Pk, RU484, Index 65, Ch.134, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 245 of 274

V 10.6 10/27/2023

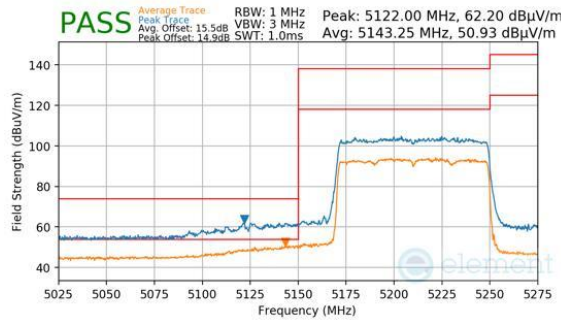


Plot 7-577: Antenna WF2 (Pk, RU26, Index 36, Ch.155, MCS11)

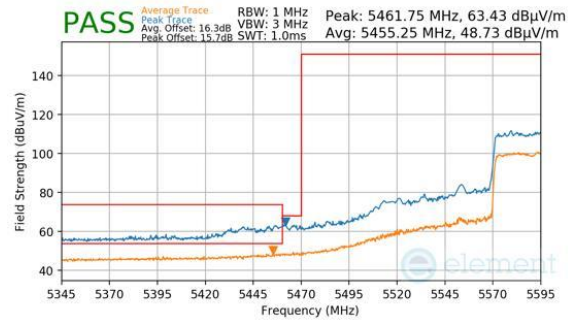
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 247 of 274

V 10.6 10/27/2023

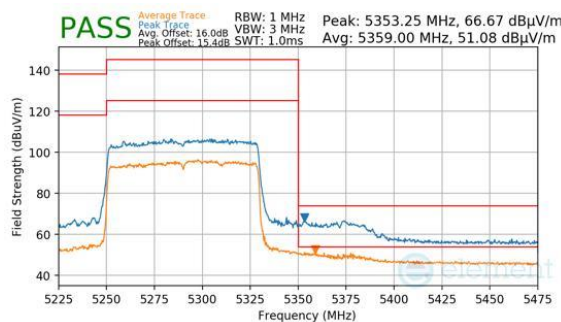
RU996



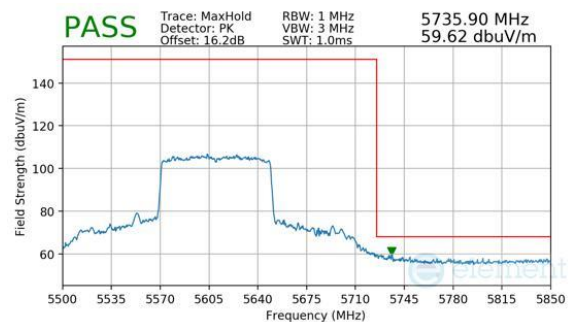
Plot 7-578. Antenna WF2 (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



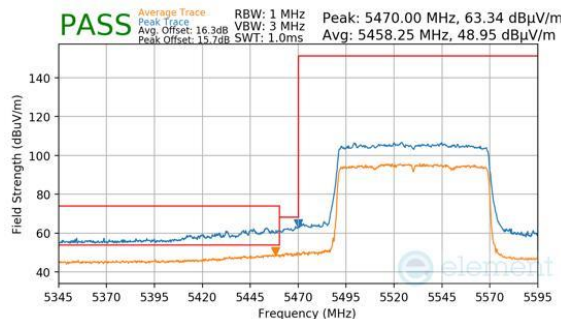
Plot 7-581. (FCC Only) Antenna WF2 (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



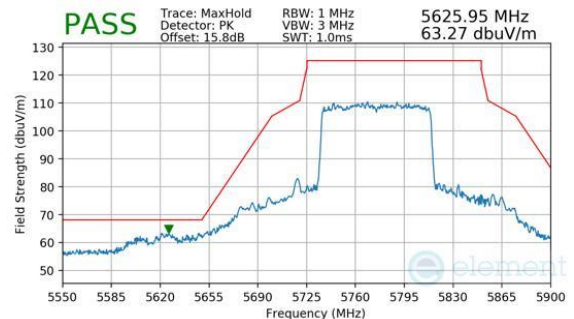
Plot 7-579. Antenna WF2 (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



Plot 7-582. (FCC Only) Antenna WF2 (Pk, RU996, Index 67, Ch.122, MCS11)



Plot 7-580. Antenna WF2 (Pk & Avg, RU996, Index 67, Ch.106, MCS11)



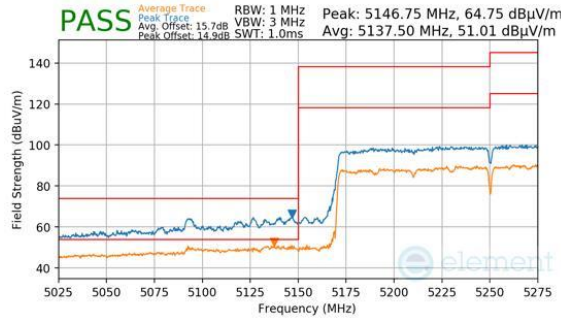
Plot 7-583. Antenna WF2 (Pk, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 248 of 274

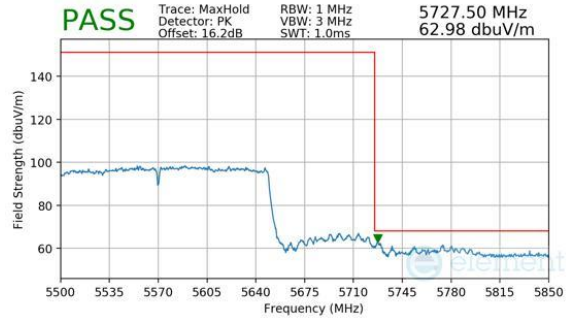
V 10.6 10/27/2023

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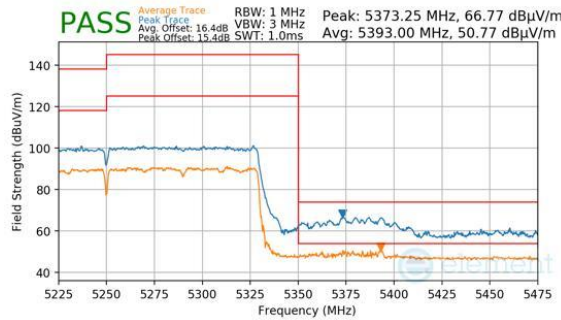
RU996X2



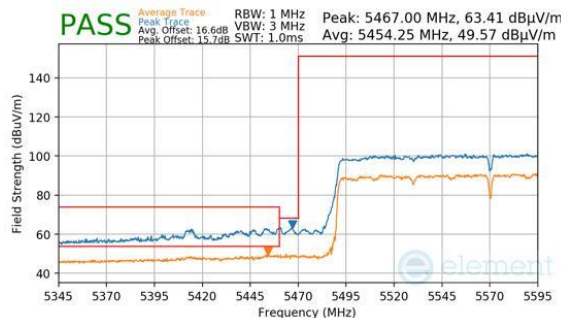
Plot 7-589. Antenna WF2 (Pk & Avg, RU996X2, Index 68, Ch.50, MCS11)



Plot 7-592. (FCC Only) Antenna WF2 (Pk, RU996X2, Index 68, Ch.114, MCS11)



Plot 7-590. Antenna WF2 (Pk & Avg, RU996X2, Index 68, Ch.50, MCS11)



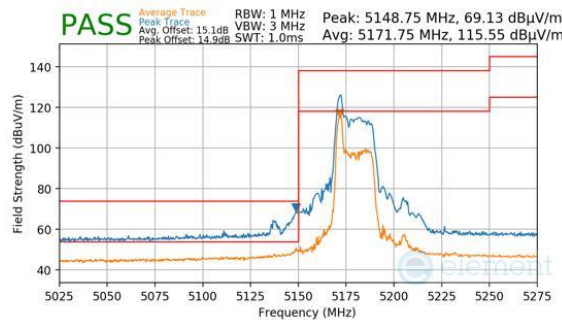
Plot 7-591. (FCC Only) Antenna WF2 (Pk & Avg, RU996X2, Index 68, Ch.114, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 250 of 274

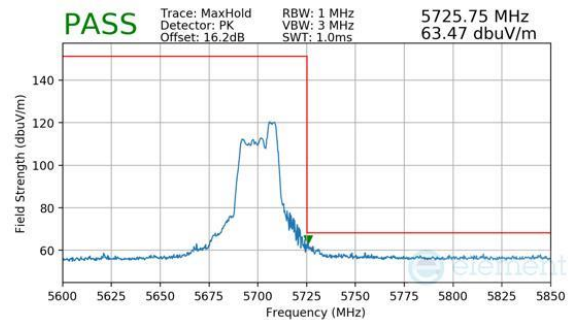
V 10.6 10/27/2023

7.6.12 CDD/SDM Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

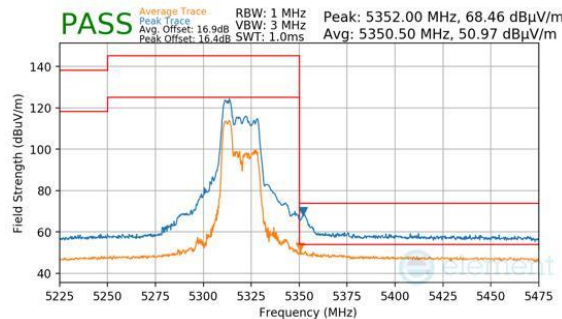
RU26/52



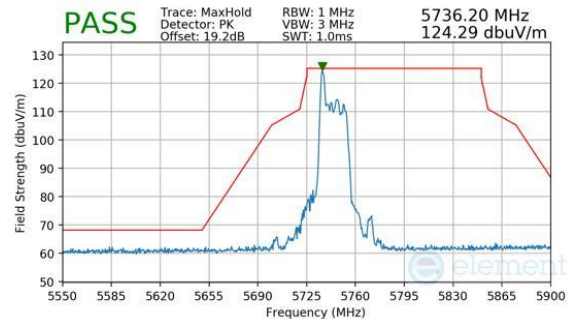
Plot 7-593. CDD (Pk & Avg, RU26, Index 0, Ch.36, MCS11)



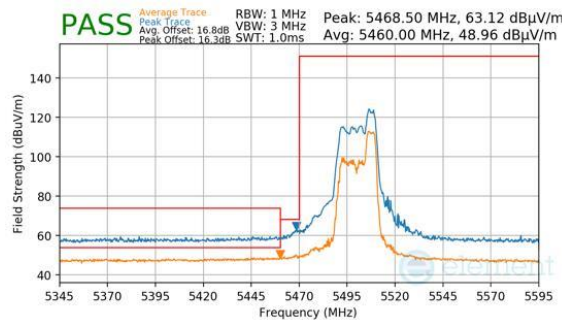
Plot 7-596. SDM (Pk, RU52, Index 40, Ch.140, MCS11)



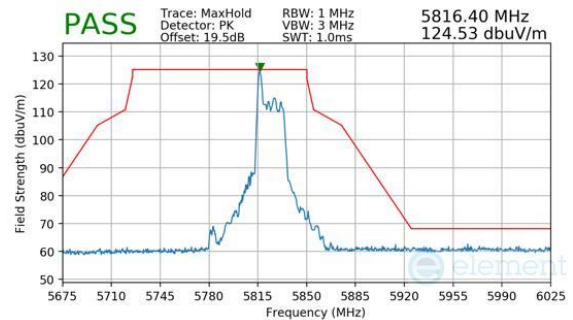
Plot 7-594. SDM (Pk & Avg, RU52, Index 37, Ch.64, MCS11)



Plot 7-597. CDD (Pk, RU26, Index 0, Ch.149, MCS11)



Plot 7-595. SDM (Pk & Avg, RU52, Index 40, Ch.100, MCS11)

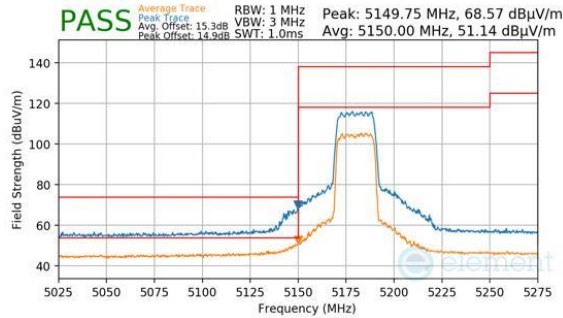


Plot 7-598. CDD (Pk, RU26, Index 0, Ch.165, MCS11)

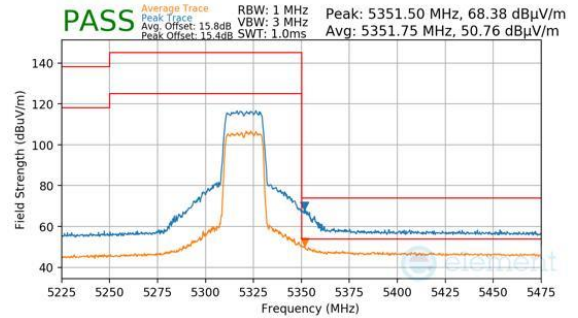
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 251 of 274

V 10.6 10/27/2023

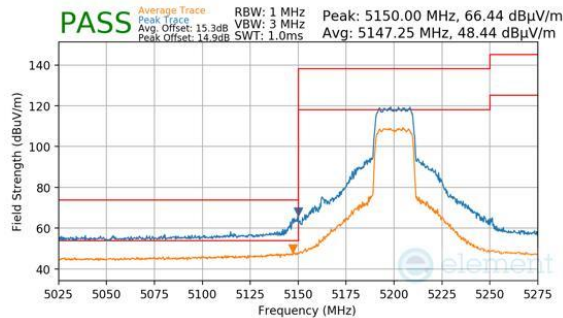
RU242



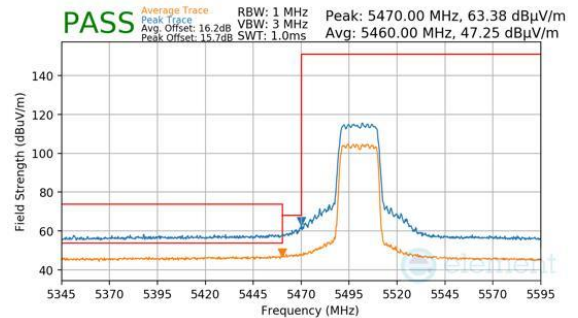
Plot 7-599. CDD (Pk & Avg, RU242, Index 61, Ch.36, MCS11)



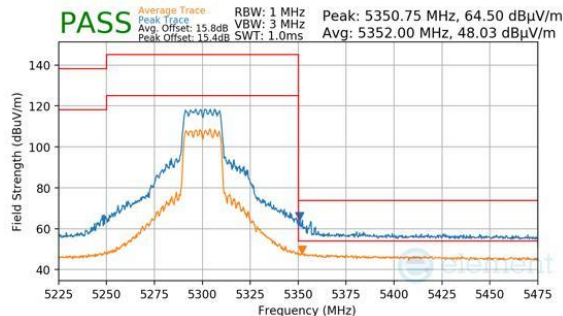
Plot 7-602. CDD (Pk & Avg, RU242, Index 61, Ch.64, MCS11)



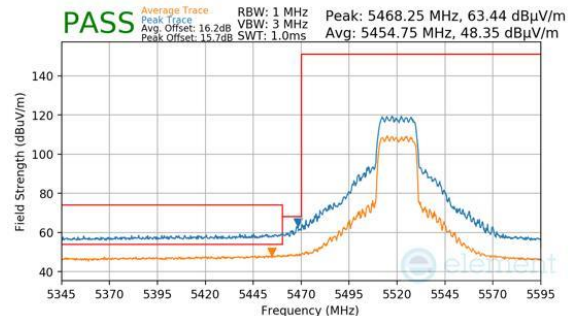
Plot 7-600. CDD (Pk & Avg, RU242, Index 61, Ch.40, MCS11)



Plot 7-603. CDD (Pk & Avg, RU242, Index 61, Ch.100, MCS11)



Plot 7-601. SDM (Pk & Avg, RU242, Index 61, Ch.60, MCS11)

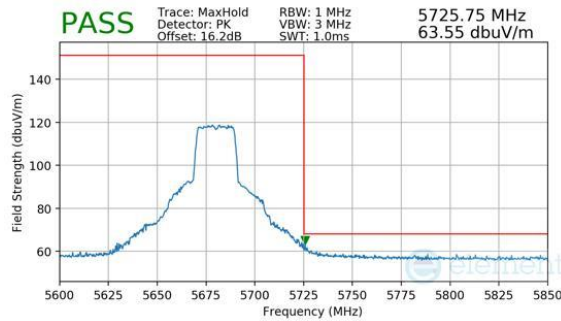


Plot 7-604. SDM (Pk & Avg, RU242, Index 61, Ch.104, MCS11)

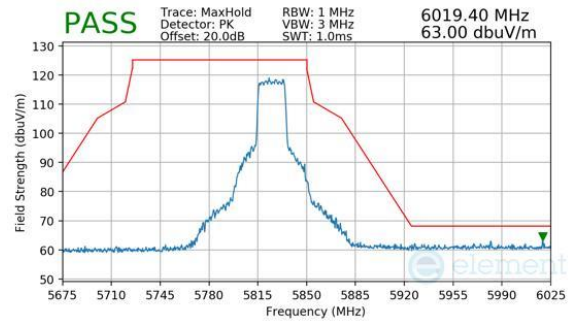
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 252 of 274

V 10.6 10/27/2023

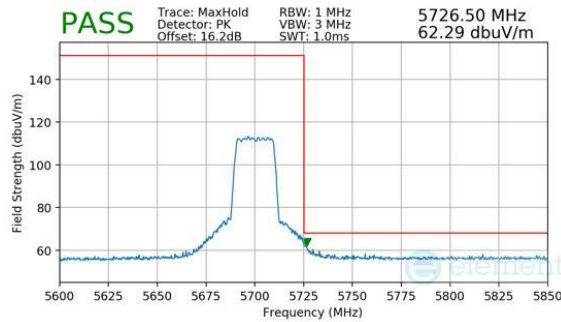
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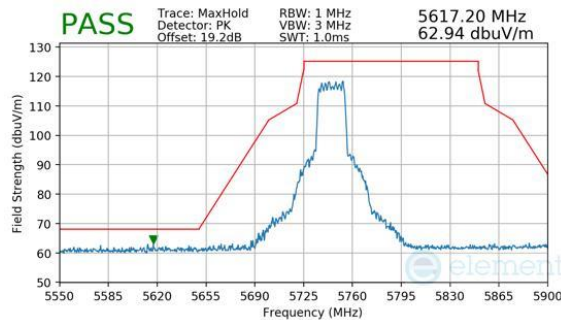
Plot 7-605. SDM (Pk, RU242, Index 61, Ch.136, MCS11)



Plot 7-608. CDD (Pk, RU242, Index 61, Ch.165, MCS11)



Plot 7-606. CDD (Pk, RU242, Index 61, Ch.140, MCS11)



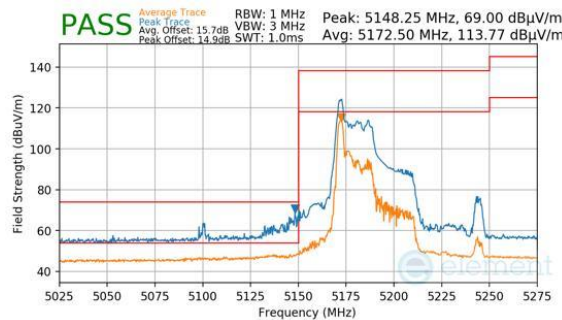
Plot 7-607. CDD (Pk, RU242, Index 61, Ch.149, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 253 of 274

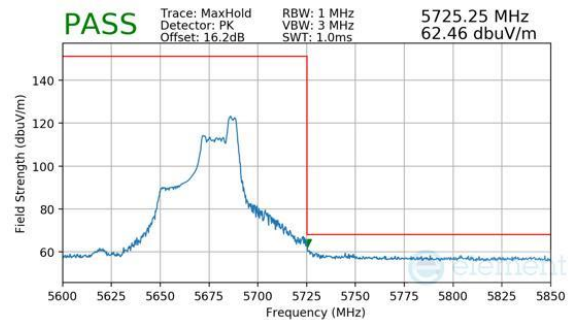
V 10.6 10/27/2023

7.6.13 CDD/SDM Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

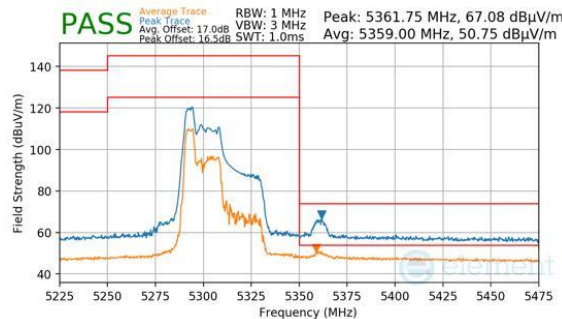
RU26/52



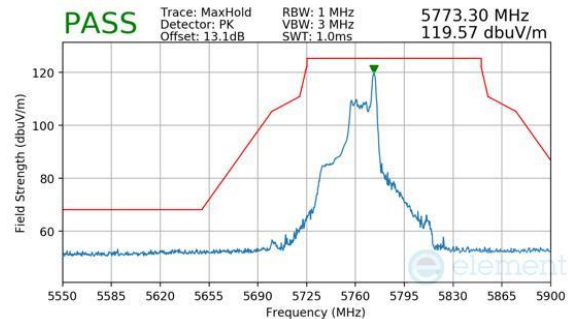
Plot 7-609. CDD (Pk & Avg, RU26, Index 0, Ch.38, MCS11)



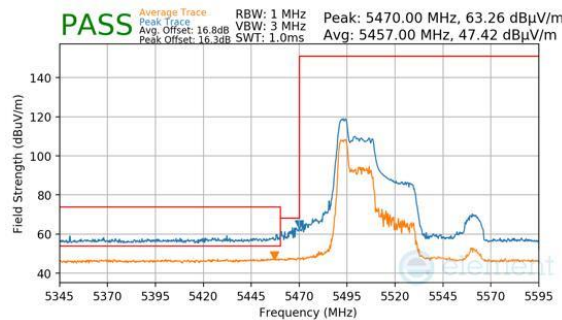
Plot 7-612. SDM (Pk, RU52, Index 44, Ch.134, MCS11)



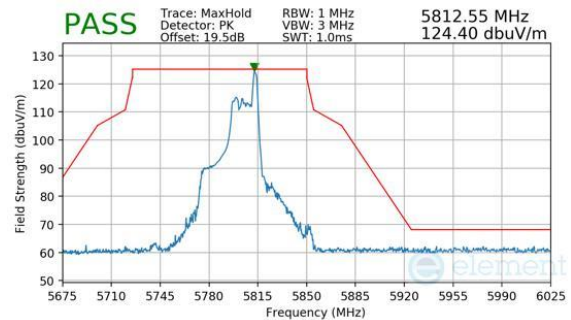
Plot 7-610. SDM (Pk & Avg, RU52, Index 37, Ch.62, MCS11)



Plot 7-613. CDD (Pk, RU26, Index 17, Ch.151, MCS11)



Plot 7-611. SDM (Pk & Avg, RU52, Index 37, Ch.102, MCS11)

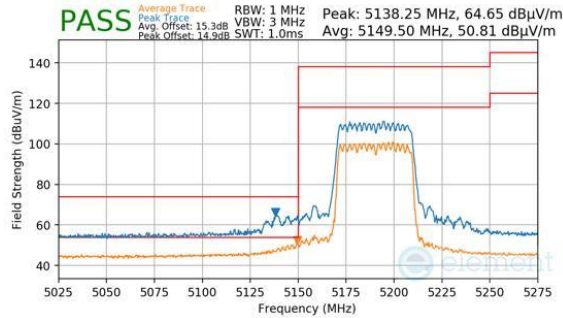


Plot 7-614. CDD (Pk, RU26, Index 17, Ch.159, MCS11)

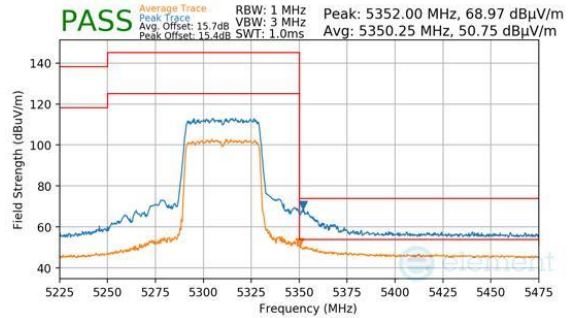
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 254 of 274

V 10.6 10/27/2023

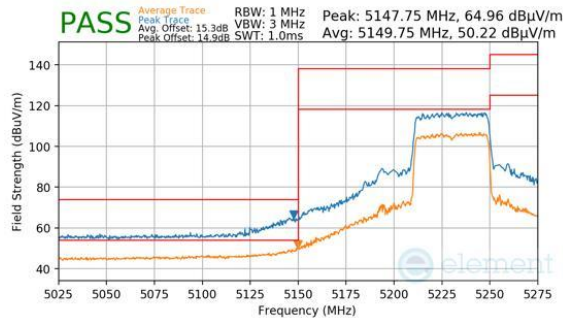
RU484



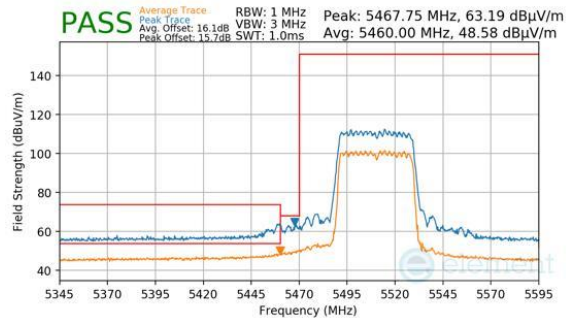
Plot 7-615. CDD (Pk & Avg, RU484, Index 65, Ch.38, MCS11)



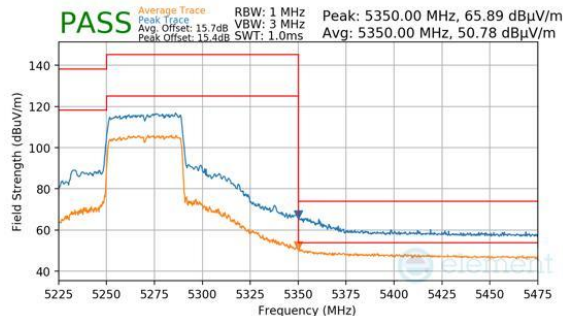
Plot 7-618. CDD (Pk & Avg, RU484, Index 65, Ch.62, MCS11)



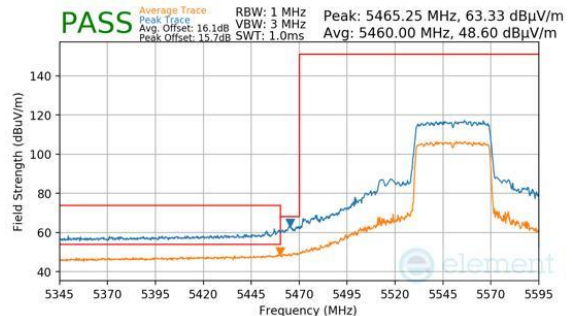
Plot 7-616. CDD (Pk & Avg, RU484, Index 65, Ch.46, MCS11)



Plot 7-619. CDD (Pk & Avg, RU484, Index 65, Ch.102, MCS11)



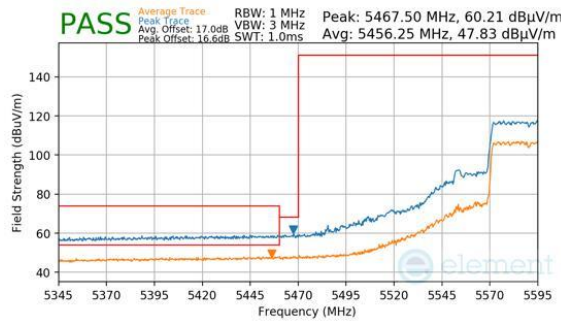
Plot 7-617. SDM (Pk & Avg, RU484, Index 65, Ch.54, MCS11)



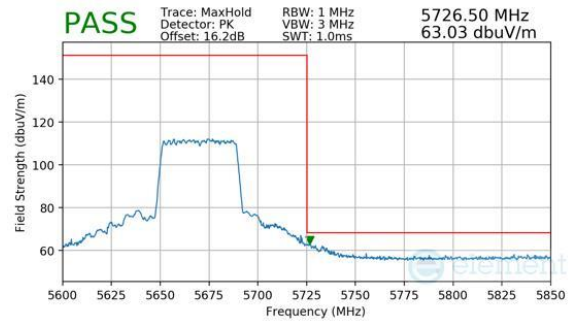
Plot 7-620. CDD (Pk & Avg, RU484, Index 65, Ch.110, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 255 of 274

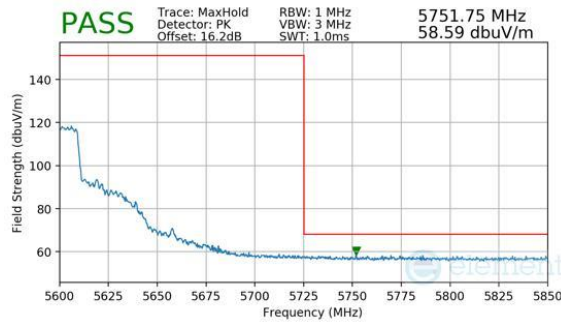
V 10.6 10/27/2023



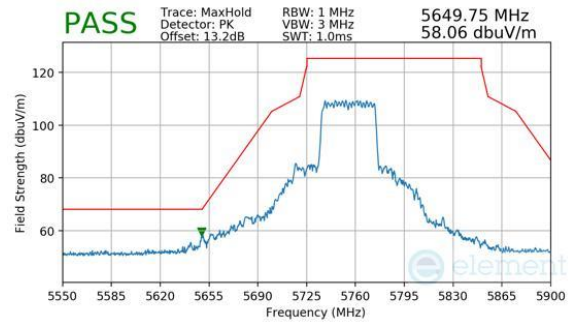
Plot 7-621. (FCC Only) SDM (Pk & Avg, RU484, Index 65, Ch.118, MCS11)



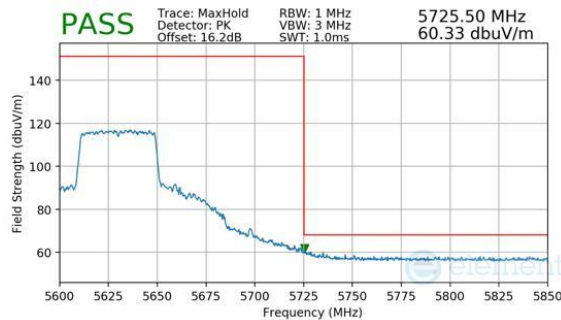
Plot 7-624. CDD (Pk, RU484, Index 65, Ch.134, MCS11)



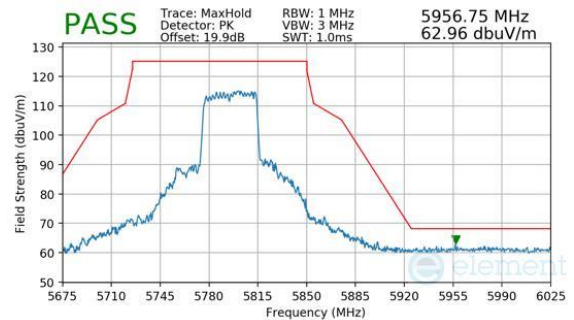
Plot 7-622. SDM (Pk, RU484, Index 65, Ch.118, MCS11)



Plot 7-625. CDD (Pk, RU484, Index 65, Ch.151, MCS11)



Plot 7-623. (FCC Only) CDD (Pk, RU484, Index 65, Ch.126, MCS11)

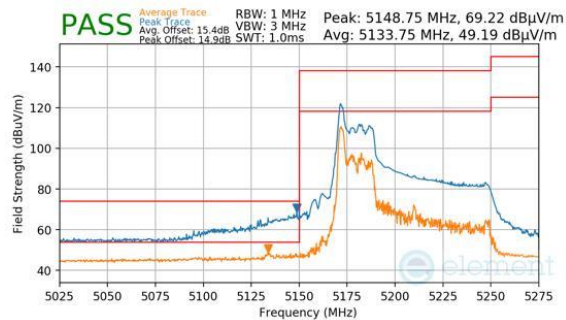


Plot 7-626. CDD (Pk, RU484, Index 65, Ch.159, MCS11)

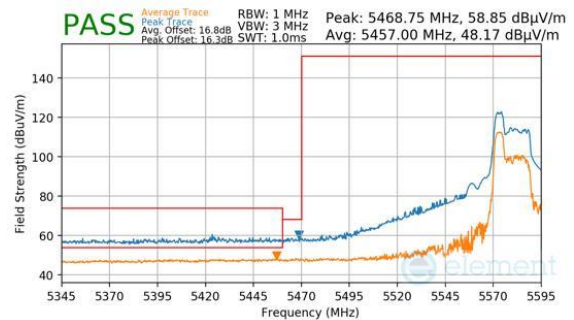
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 256 of 274

7.6.14 CDD/SDM Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

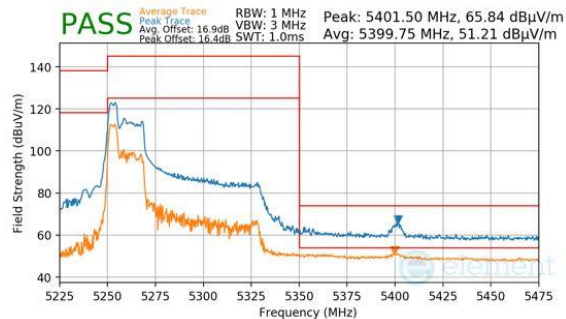
RU26/52



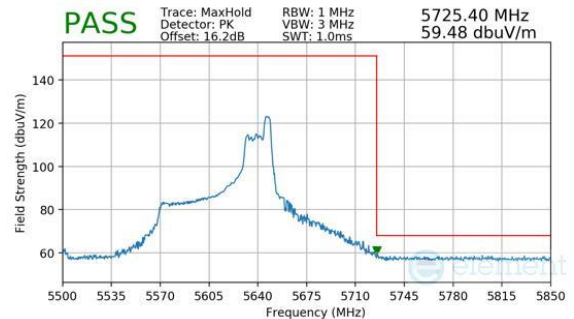
Plot 7-627. CDD (Pk & Avg, RU26, Index 0, Ch.42, MCS11)



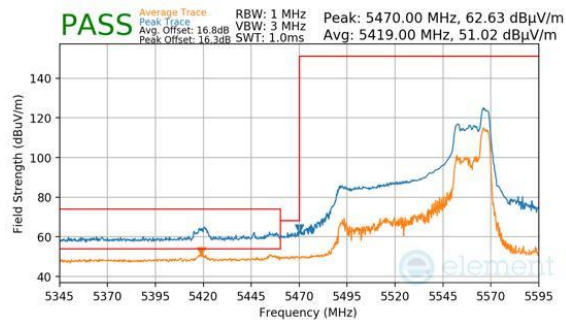
Plot 7-630. (FCC Only) SDM (Pk & Avg, RU52, Index 37, Ch.122, MCS11)



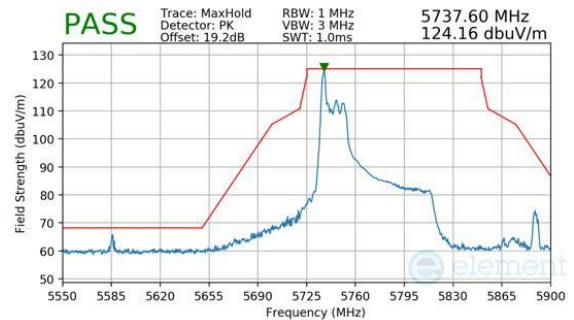
Plot 7-628. SDM (Pk & Avg, RU52, Index 37, Ch.58, MCS11)



Plot 7-631. (FCC Only) SDM (Pk & Avg, RU52, Index 37, Ch.122, MCS11)



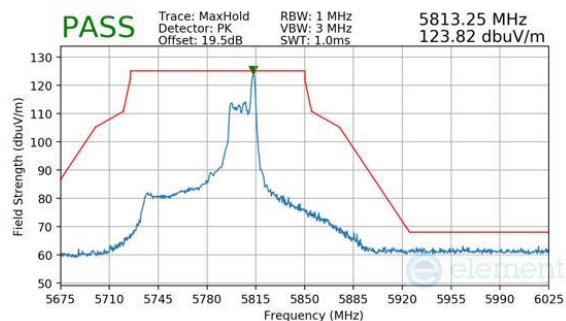
Plot 7-629. SDM (Pk & Avg, RU52, Index 52, Ch.106, MCS11)



Plot 7-632. CDD (Pk, RU26, Index 0, Ch.155, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 257 of 274

V 10.6 10/27/2023

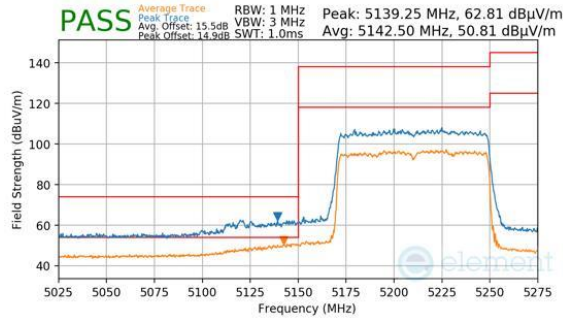


Plot 7-633. CDD (Pk, RU26, Index 36, Ch.155, MCS11)

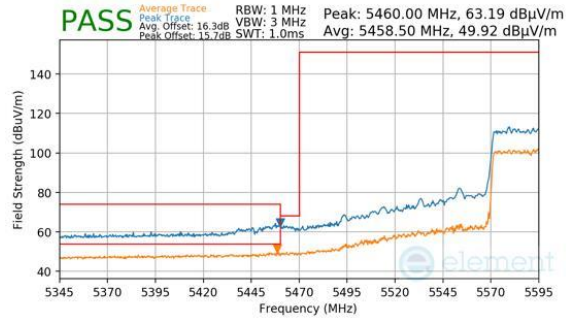
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 258 of 274

V 10.6 10/27/2023

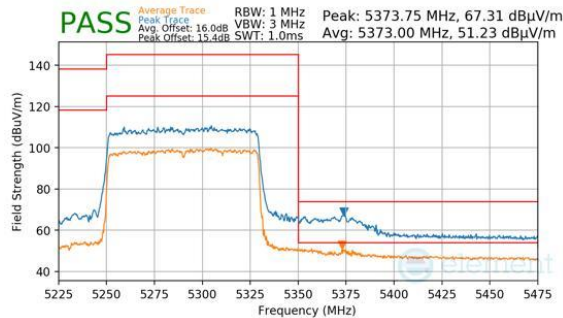
RU996



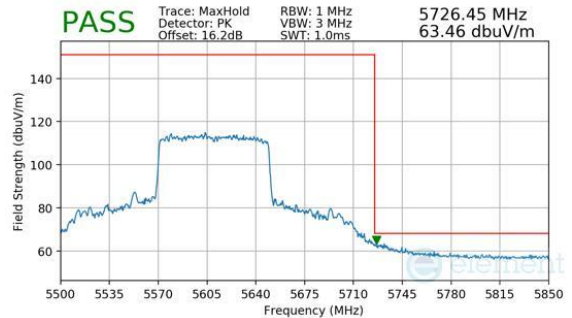
Plot 7-634. CDD (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



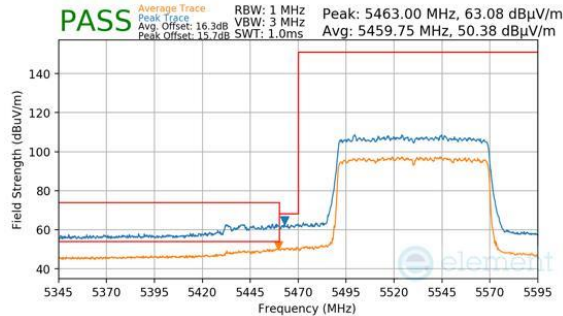
Plot 7-637. (FCC Only) CDD (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



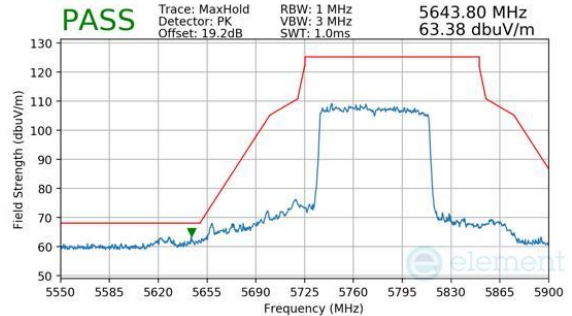
Plot 7-635. CDD (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



Plot 7-638. (FCC Only) CDD (Pk, RU996, Index 67, Ch.122, MCS11)



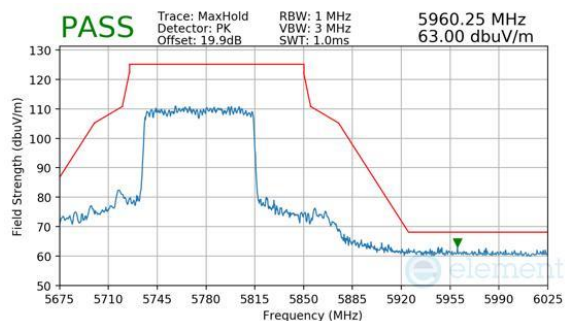
Plot 7-636. CDD (Pk & Avg, RU996, Index 67, Ch.106, MCS11)



Plot 7-639. CDD (Pk, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 259 of 274

V 10.6 10/27/2023

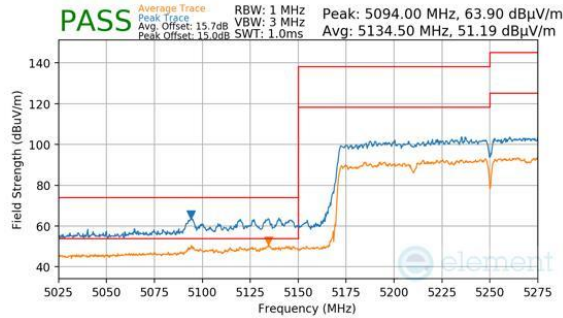


Plot 7-640. CDD (Pk, RU996, Index 67, Ch.155, MCS11)

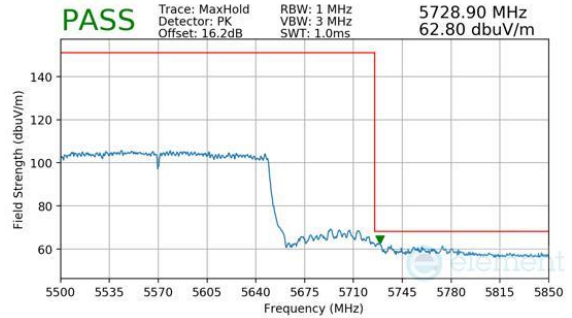
FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 260 of 274

V 10.6 10/27/2023

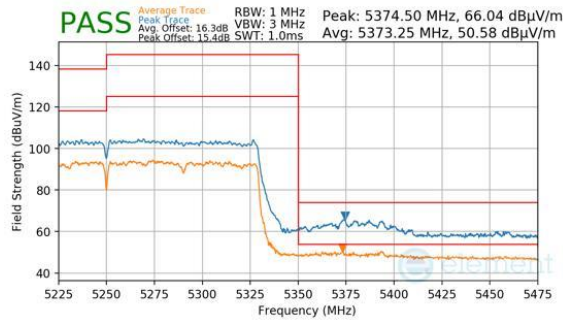
RU996X2



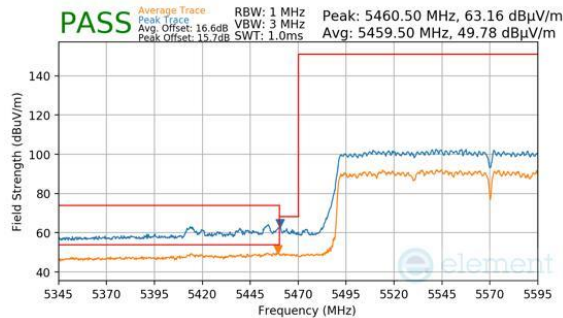
Plot 7-645. CDD (Pk & Avg, RU996X2, Index 68, Ch.50, MCS11)



Plot 7-648. (FCC Only) CDD (Pk, RU996X2, Index 68, Ch.114, MCS11)



Plot 7-646. CDD (Pk & Avg, RU996X2, Index 68, Ch.50, MCS11)



Plot 7-647. (FCC Only) CDD (Pk & Avg, RU996X2, Index 68, Ch.114, MCS11)

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 262 of 274

V 10.6 10/27/2023

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 7-196 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 7-196. 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: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 263 of 274

V 10.6 10/27/2023

Test Setup

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

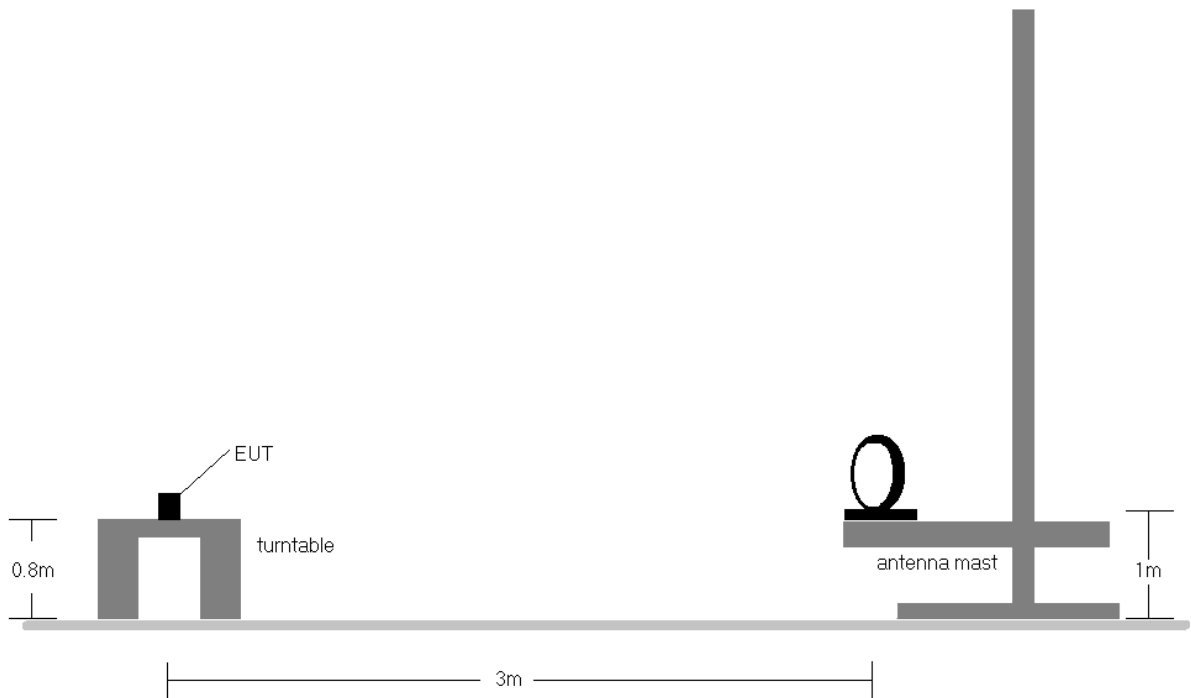


Figure 7-6. Radiated Test Setup < 30MHz

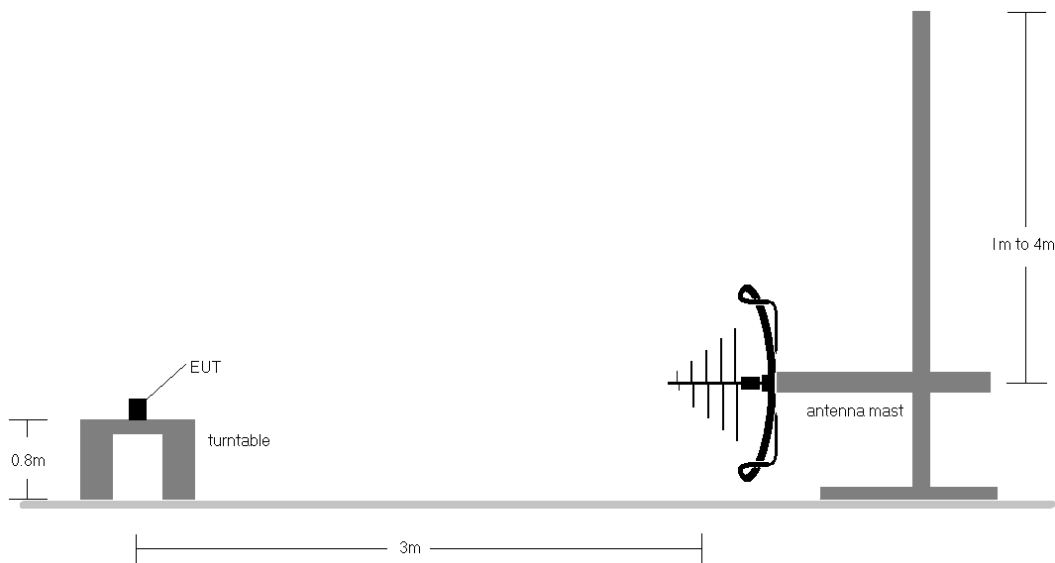


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 264 of 274

V 10.6 10/27/2023

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 7-196.
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. 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. All antenna configurations and data rates were investigated and only the worst case are 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

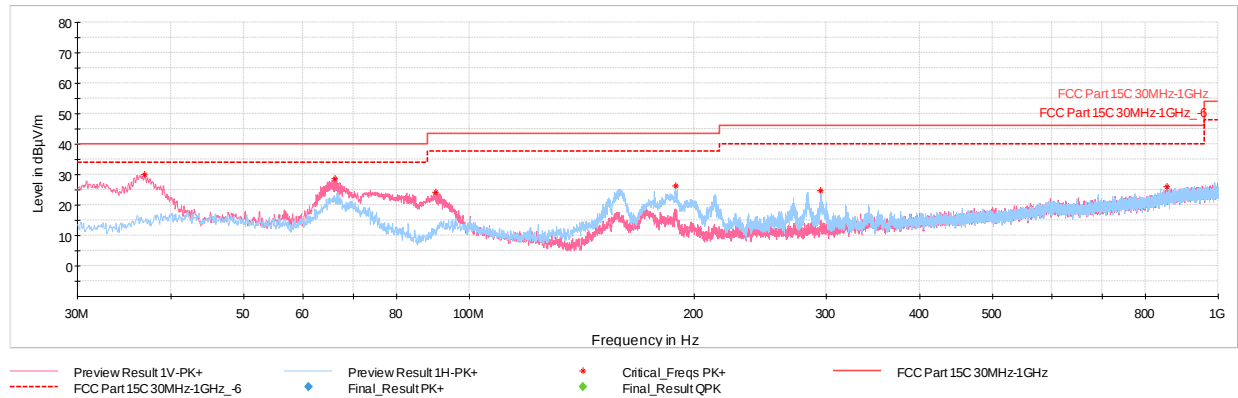
Determining Spurious Emissions Levels

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

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 265 of 274

V 10.6 10/27/2023

7.7.1 CDD Radiated Spurious Emissions (Below 1GHz) §15.209; RSS-Gen [8.9]



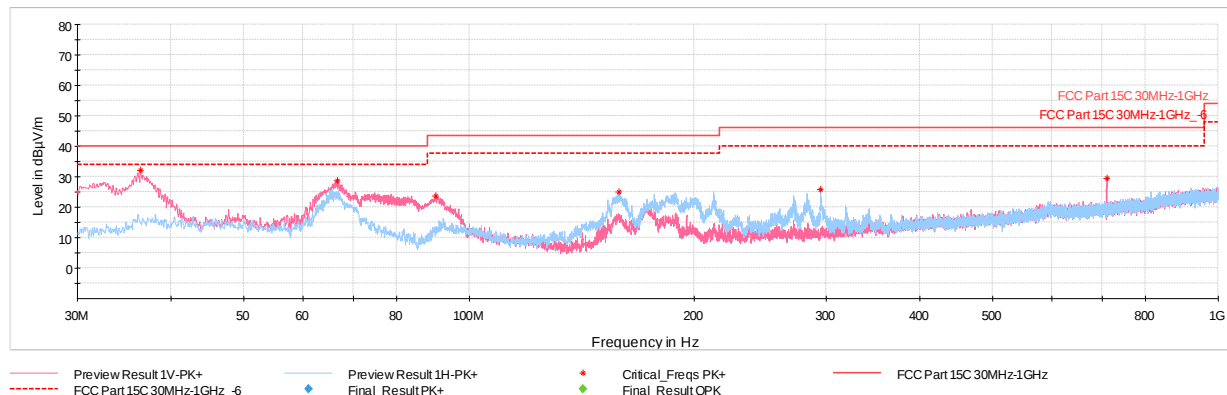
Plot 7-649. RSE below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

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]
36.89	Max Peak	V	100	12	-62.29	-14.62	30.09	40.00	-9.91
66.28	Max Peak	V	100	219	-61.34	-16.97	28.69	40.00	-11.31
90.38	Max Peak	V	100	126	-64.96	-17.86	24.18	43.52	-19.34
188.55	Max Peak	H	100	26	-63.41	-17.17	26.42	43.52	-17.10
294.67	Max Peak	H	100	246	-68.29	-14.08	24.63	46.02	-21.39
854.69	Max Peak	V	100	263	-78.11	-2.96	25.93	46.02	-20.09

Table 7-197. RSE below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 266 of 274

V 10.6 10/27/2023



Plot 7-650. RSE below 1GHz CDD (RU242 – Ch.40), 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]
36.40	Max Peak	V	100	3	-60.24	-14.77	31.99	40.00	-8.01
66.67	Max Peak	V	100	239	-61.31	-17.10	28.59	40.00	-11.41
90.29	Max Peak	V	100	115	-65.49	-17.89	23.62	43.52	-19.90
158.57	Max Peak	H	200	160	-63.03	-19.07	24.90	43.52	-18.62
294.62	Max Peak	H	100	258	-67.19	-14.08	25.73	46.02	-20.29
709.68	Max Peak	V	100	260	-71.92	-5.54	29.54	46.02	-16.48

Table 7-198. RSE below 1GHz CDD (RU242– Ch.40), with AC/DC Adapter

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 267 of 274

V 10.6 10/27/2023

7.8 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. All data rates and modes were investigated for AC Line conducted spurious emissions.

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 7-199. 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: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 268 of 274

V 10.6 10/27/2023

Test Setup

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

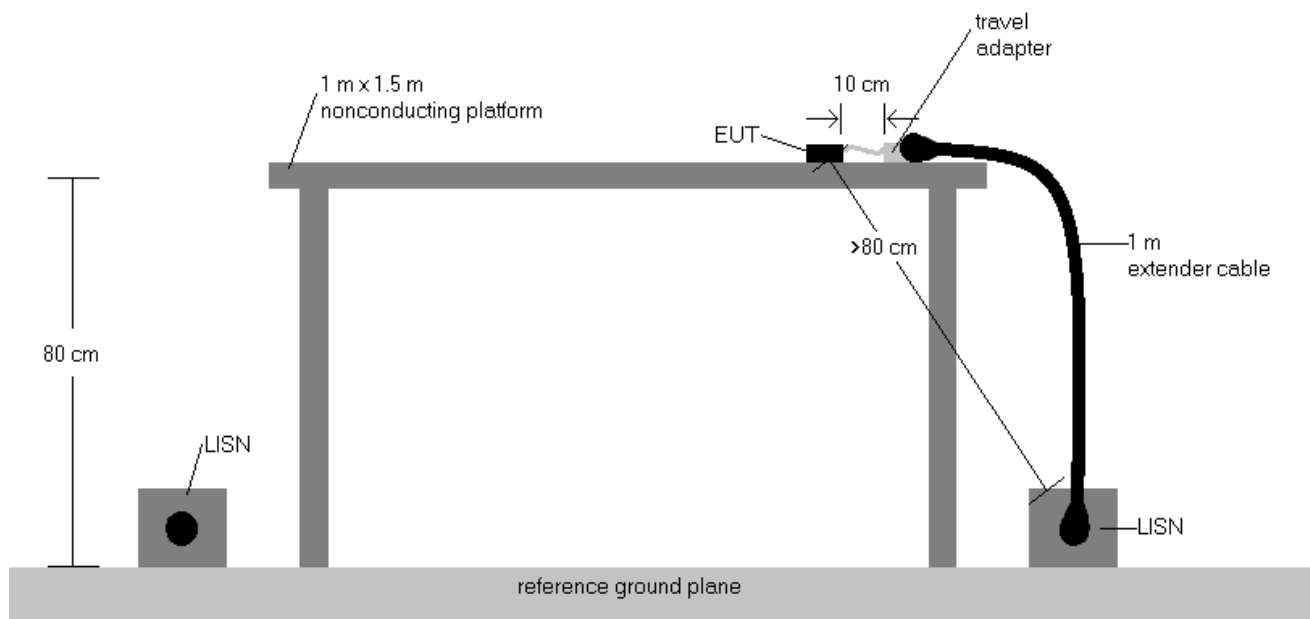


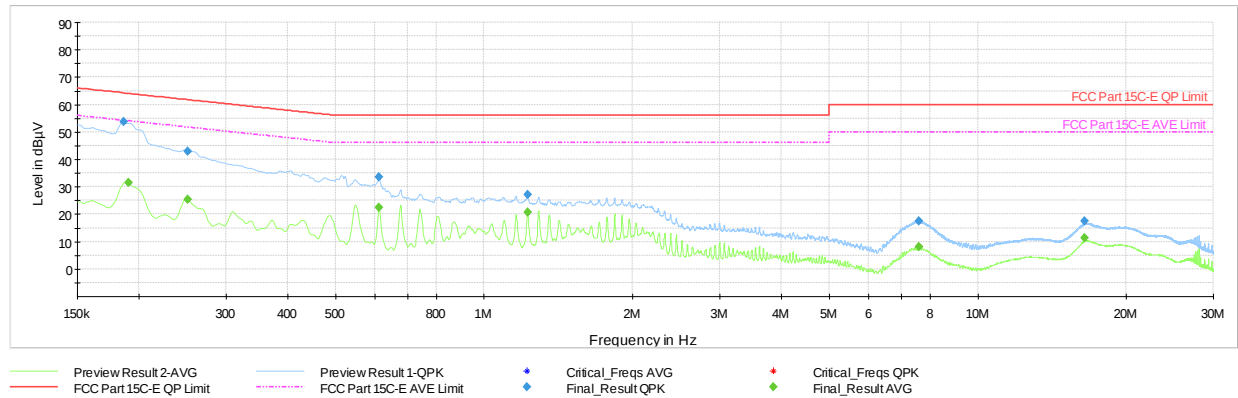
Figure 7-8. Test Instrument & Measurement Setup

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.

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 269 of 274

V 10.6 10/27/2023



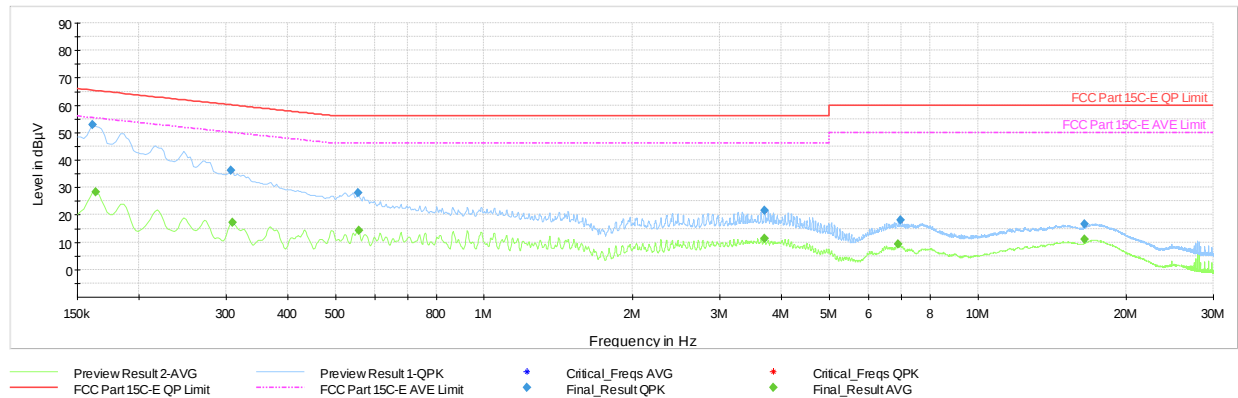
Plot 7-651. AC Line Conducted Plot with 11ax UNII Band 1 – RU26 – Ch.40 (L1) with host PC

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.186	FINAL	53.7	—	64.21	-10.56	L1	GND
0.191	FINAL	—	31.50	54.02	-22.52	L1	GND
0.251	FINAL	—	25.43	51.72	-26.29	L1	GND
0.251	FINAL	43.0	—	61.72	-18.71	L1	GND
0.611	FINAL	—	22.39	46.00	-23.61	L1	GND
0.611	FINAL	33.7	—	56.00	-22.34	L1	GND
1.226	FINAL	27.1	—	56.00	-28.89	L1	GND
1.228	FINAL	—	20.75	46.00	-25.25	L1	GND
7.589	FINAL	—	8.10	50.00	-41.90	L1	GND
7.595	FINAL	17.6	—	60.00	-42.44	L1	GND
16.481	FINAL	—	11.31	50.00	-38.69	L1	GND
16.481	FINAL	17.6	—	60.00	-42.40	L1	GND

Table 7-200. AC Line Conducted with 11ax UNII Band 1 – RU26 – Ch.40 (L1) with host PC

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 270 of 274

V 10.6 10/27/2023



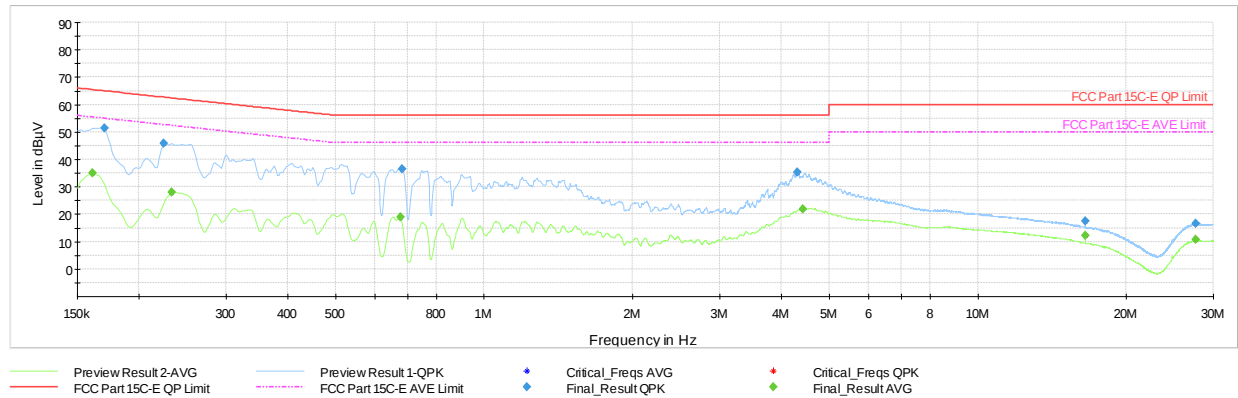
Plot 7-652. AC Line Conducted Plot with 11ax UNII Band 1 – RU26 – Ch.40 (N) with host PC

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.161	FINAL	52.8	—	65.40	-12.60	N	GND
0.164	FINAL	—	28.31	55.28	-26.97	N	GND
0.308	FINAL	36.2	—	60.04	-23.89	N	GND
0.310	FINAL	—	17.17	49.98	-32.80	N	GND
0.555	FINAL	27.9	—	56.00	-28.07	N	GND
0.557	FINAL	—	14.34	46.00	-31.66	N	GND
3.696	FINAL	—	11.42	46.00	-34.58	N	GND
3.698	FINAL	21.5	—	56.00	-34.51	N	GND
6.905	FINAL	—	9.22	50.00	-40.78	N	GND
6.963	FINAL	17.9	—	60.00	-42.07	N	GND
16.478	FINAL	—	11.13	50.00	-38.87	N	GND
16.478	FINAL	16.7	—	60.00	-43.32	N	GND

Table 7-201. AC Line Conducted with 11ax UNII Band 1 – RU26 – Ch.40 (N) with host PC

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 271 of 274

V 10.6 10/27/2023



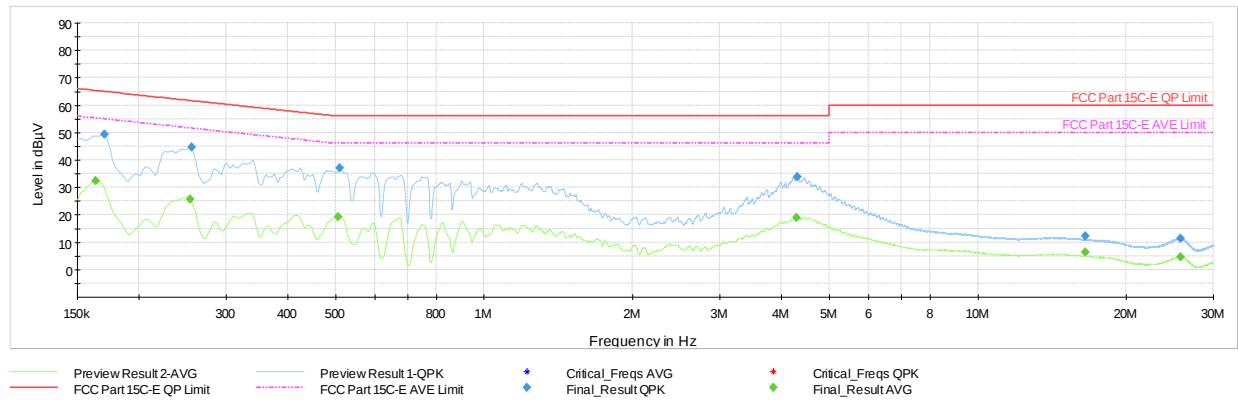
Plot 7-653. AC Line Conducted Plot with 11ax UNII Band 1 – RU242 – Ch.40 (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	—	34.89	55.40	-20.51	L1	GND
0.170	FINAL	51.3	—	64.95	-13.68	L1	GND
0.224	FINAL	45.9	—	62.66	-16.74	L1	GND
0.233	FINAL	—	27.95	52.33	-24.39	L1	GND
0.677	FINAL	—	18.97	46.00	-27.03	L1	GND
0.683	FINAL	36.6	—	56.00	-19.39	L1	GND
4.306	FINAL	35.2	—	56.00	-20.79	L1	GND
4.427	FINAL	—	21.75	46.00	-24.25	L1	GND
16.503	FINAL	17.4	—	60.00	-42.59	L1	GND
16.503	FINAL	—	12.08	50.00	-37.92	L1	GND
27.665	FINAL	—	10.72	50.00	-39.28	L1	GND
27.665	FINAL	16.7	—	60.00	-43.29	L1	GND

Table 7-202. AC Line Conducted with 11ax UNII Band 1 – RU242 – Ch.40 (L1) with AC/DC adaptor

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 272 of 274

V 10.6 10/27/2023



Plot 7-654. AC Line Conducted Plot with 11ax UNII Band 1 – RU242 – Ch.40 (N) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	—	32.38	55.28	-22.91	N	GND
0.170	FINAL	49.2	—	64.95	-15.73	N	GND
0.254	FINAL	—	25.64	51.64	-26.00	N	GND
0.256	FINAL	44.6	—	61.57	-17.02	N	GND
0.506	FINAL	—	19.13	46.00	-26.87	N	GND
0.510	FINAL	36.9	—	56.00	-19.07	N	GND
4.301	FINAL	—	18.88	46.00	-27.12	N	GND
4.317	FINAL	33.9	—	56.00	-22.15	N	GND
16.503	FINAL	12.3	—	60.00	-47.75	N	GND
16.503	FINAL	—	6.33	50.00	-43.67	N	GND
25.742	FINAL	—	4.71	50.00	-45.29	N	GND
25.775	FINAL	11.4	—	60.00	-48.58	N	GND

Table 7-203. AC Line Conducted with 11ax UNII Band 1 – RU242 – Ch.40 (N) with AC/DC adaptor

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 273 of 274

V 10.6 10/27/2023

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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: BCGA2993** and **IC: 579C-A2993** is in compliance with 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.

FCC ID: BCGA2993 IC: 579C-A2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200017-12-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 274 of 274

V 10.6 10/27/2023

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