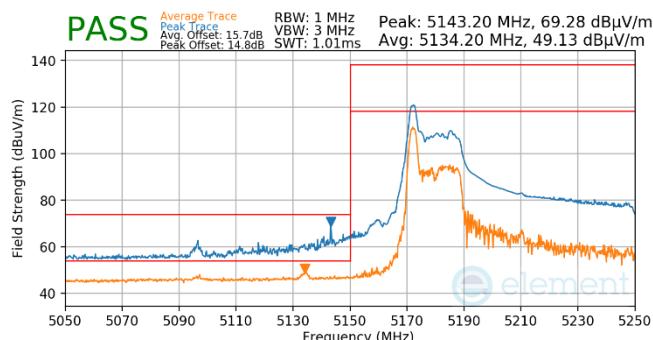
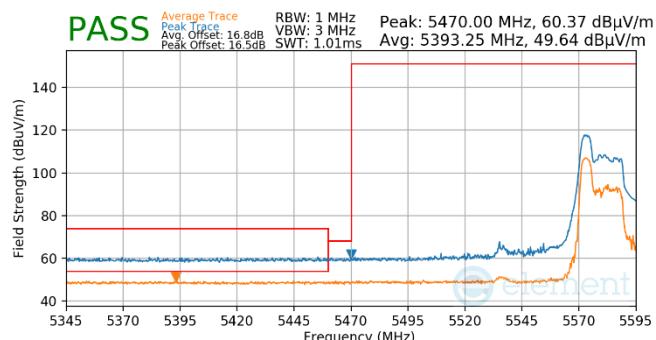


7.6.11 Antenna WF5B Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

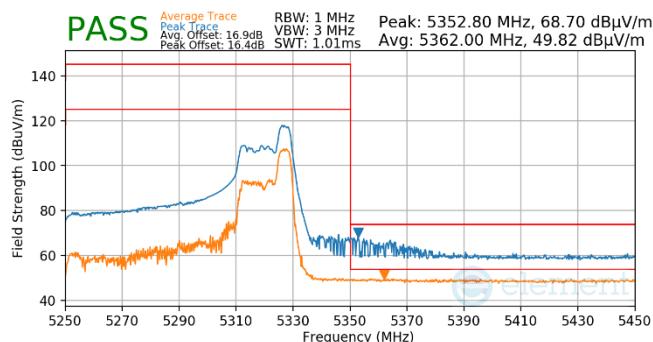
RU26/RU52



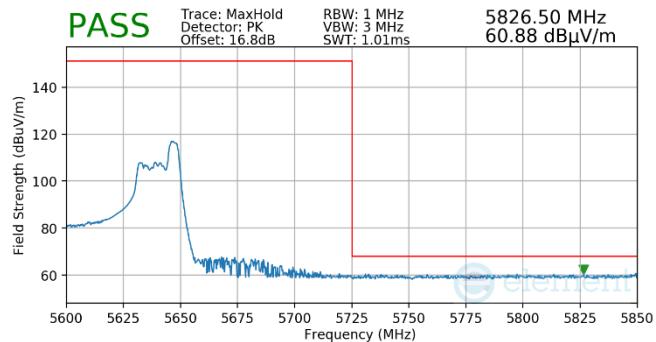
Plot 7-583. Antenna WF5B (Pk & Avg, RU26, Index 0, Ch.42, MCS11)



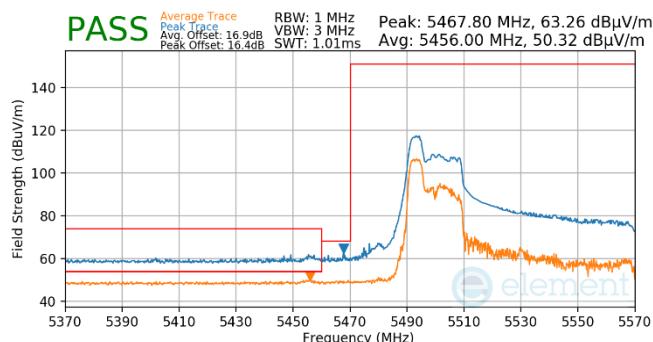
Plot 7-586. (FCC Only) Antenna WF5B (Pk & Avg, RU52, Index 37, Ch.122, MCS11)



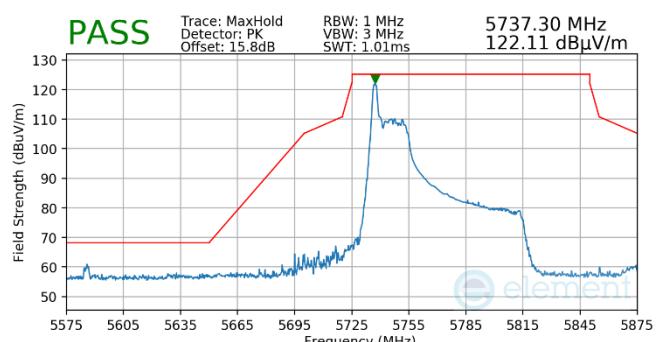
Plot 7-584. Antenna WF5B (Pk & Avg, RU52, Index 52, Ch.58, MCS11)



Plot 7-587. (FCC Only) Antenna WF5B (Pk, RU52, Index 52, Ch.122, MCS11)

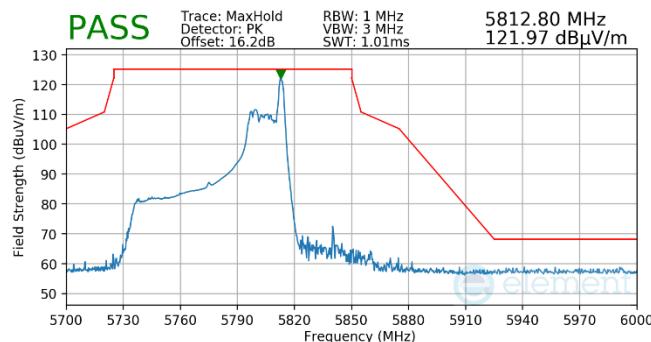


Plot 7-585. Antenna WF5B (Pk & Avg, RU52, Index 37, Ch.106, MCS11)



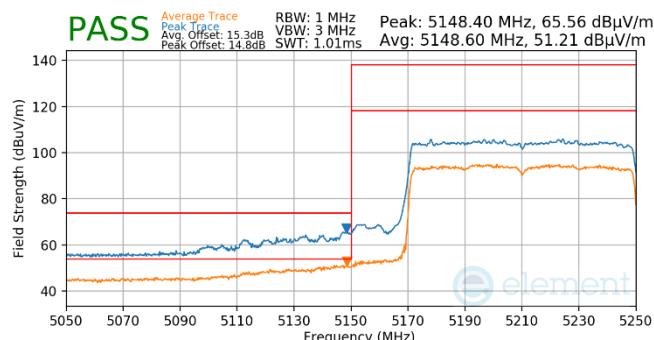
Plot 7-588. Antenna WF5B (Pk, RU26, Index 0, Ch.155, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 256 of 287

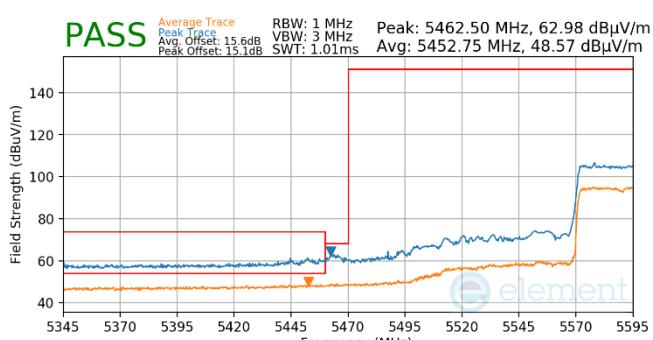


Plot 7-589. Antenna WF5B (Pk, RU26, Index 36, Ch.155, MCS11)

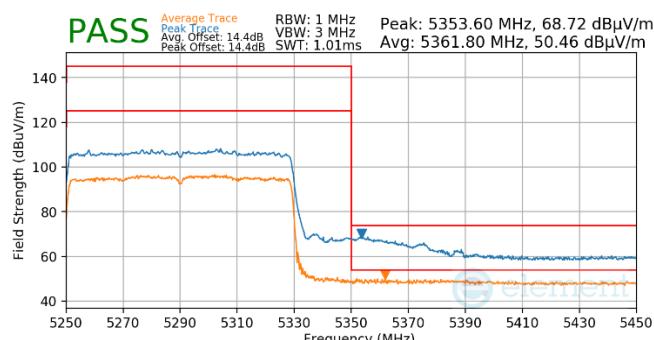
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 257 of 287

RU996


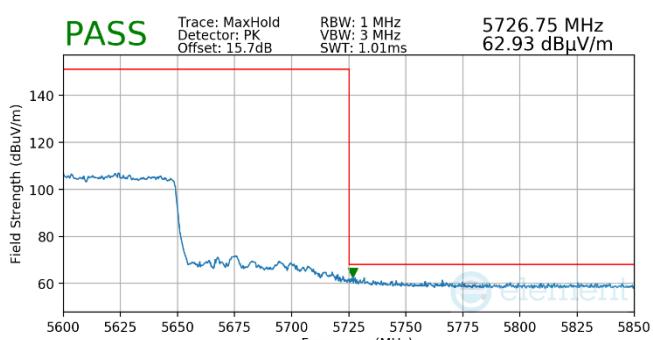
Plot 7-590. Antenna WF5B (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



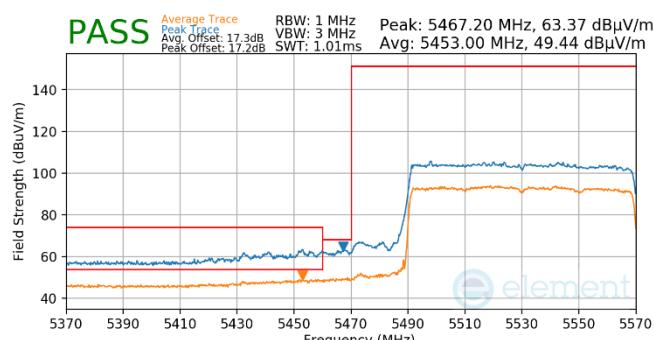
Plot 7-593. (FCC Only) Antenna WF5B (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



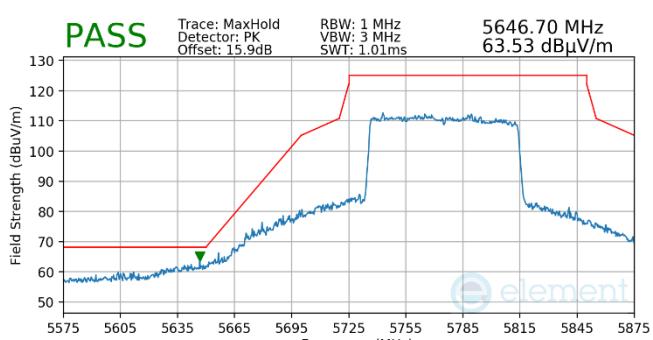
Plot 7-591. Antenna WF5B (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



Plot 7-594. (FCC Only) Antenna WF5B (Pk, RU996, Index 67, Ch.122, MCS11)

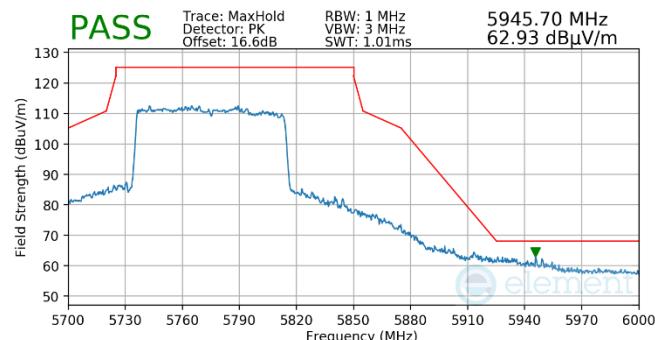


Plot 7-592. Antenna WF5B (Pk & Avg, RU996, Index 67, Ch.106, MCS11)



Plot 7-595. Antenna WF5B (Pk, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 258 of 287

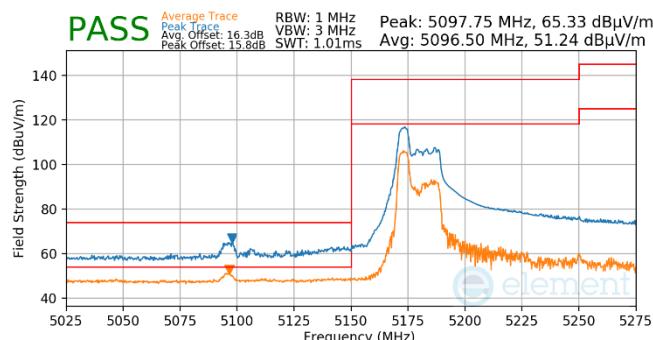


Plot 7-596. Antenna WF5B (Pk, RU996, Index 67, Ch.155, MCS11)

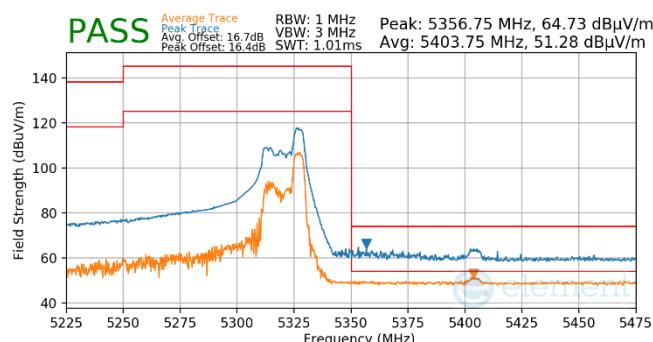
FCC ID: BCGA2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 259 of 287

7.6.12 Antenna WF5B Radiated Band Edge Measurement (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

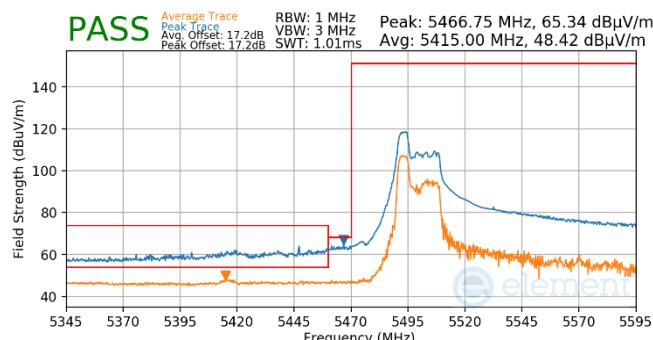
RU26



Plot 7-597. Antenna WF5B (Pk & Avg, RU52, Index 37, Ch.50, MCS11)

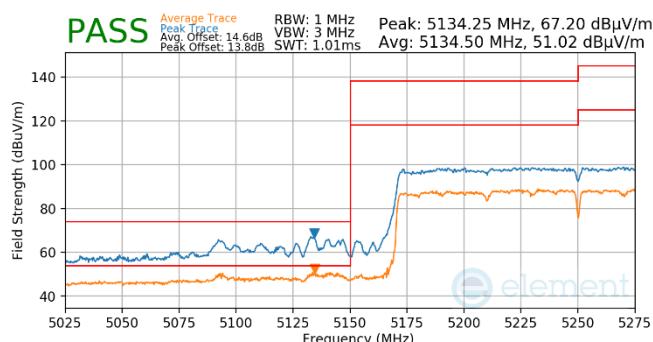


Plot 7-598. Antenna WF5B (Pk & Avg, RU52, Index 52, Ch.50, MCS11)

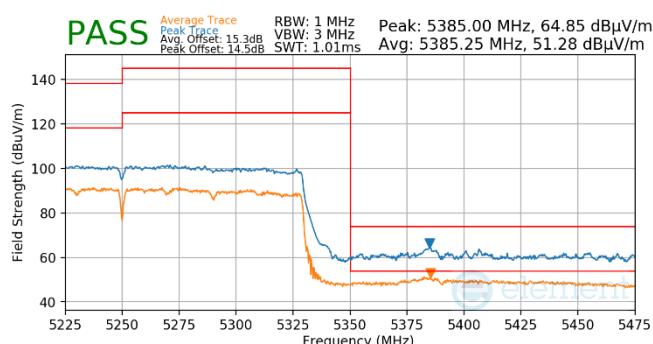


Plot 7-599. (FCC Only) Antenna WF5B (Pk & Avg, RU52, Index 37, Ch.114, MCS11)

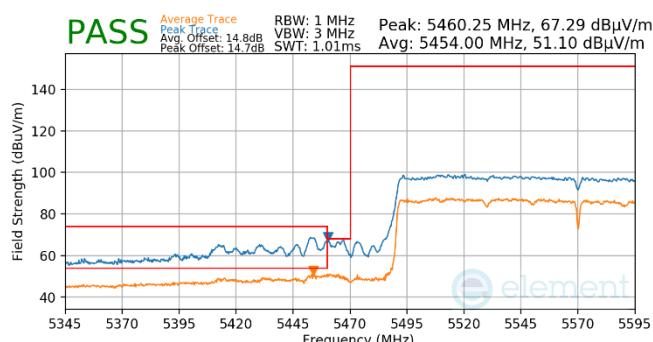
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 260 of 287

RU996x2


Plot 7-600. Antenna WF5B (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)



Plot 7-601. Antenna WF5B (Pk & Avg, RU996, Index 68, Ch.50, MCS11)



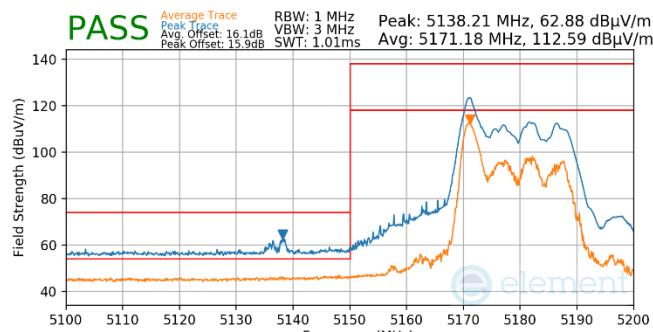
Plot 7-602. (FCC Only) Antenna WF5B (Pk & Avg, RU996x2, Index 68, Ch.114, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 261 of 287

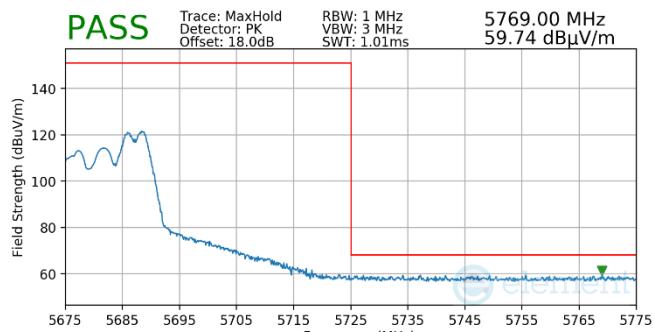
7.6.13 CDD Radiated Band Edge Measurements (20MHz BW)

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

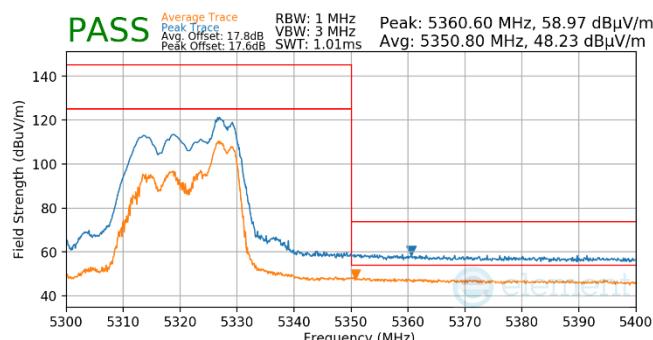
RU26/52



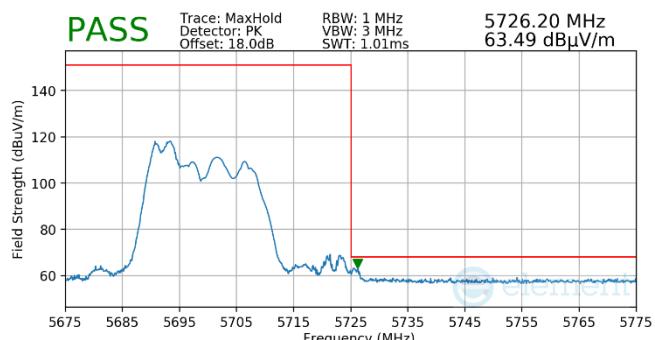
Plot 7-603. CDD (Pk & Avg, RU26, Index 0, Ch.36, MCS11)



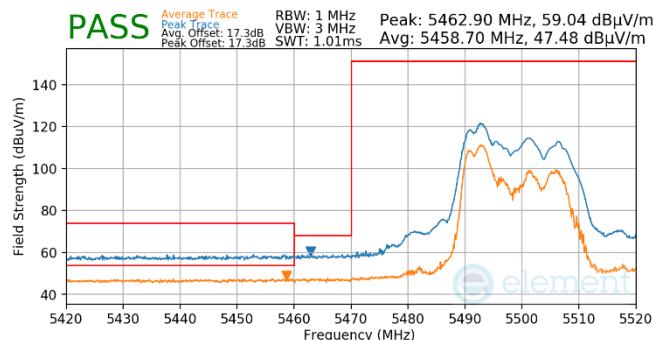
Plot 7-606. CDD (Pk, RU52, Index 40, Ch.136, MCS11)



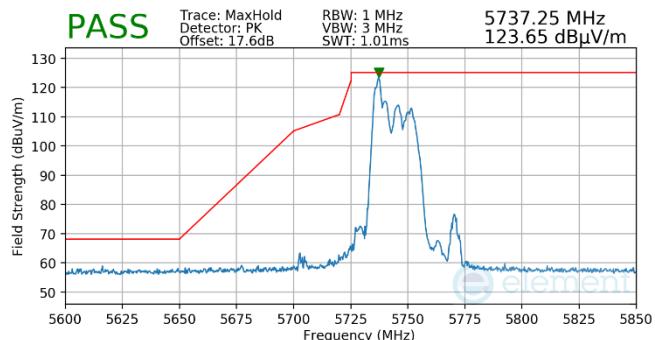
Plot 7-604. CDD (Pk & Avg, RU52, Index 40, Ch.64, MCS11)



Plot 7-607. CDD (Pk, RU52, Index 37, Ch.140, MCS11)

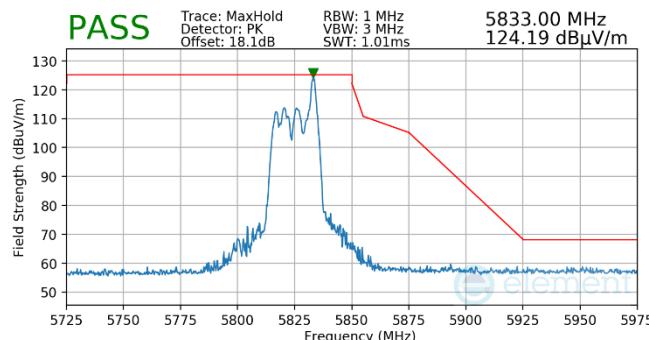


Plot 7-605. CDD (Pk & Avg, RU52, Index 37, Ch.100, MCS11)



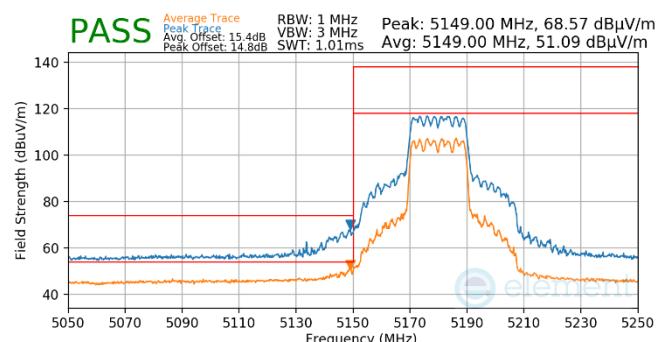
Plot 7-608. CDD (Pk, RU26, Index 0, Ch.149, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 262 of 287

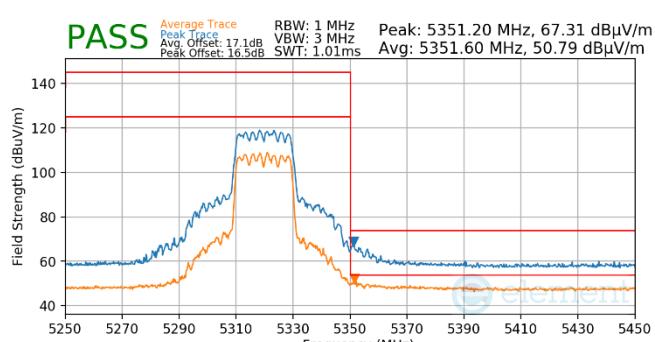


Plot 7-609. CDD (Pk, RU26, Index 8, Ch.165, MCS11)

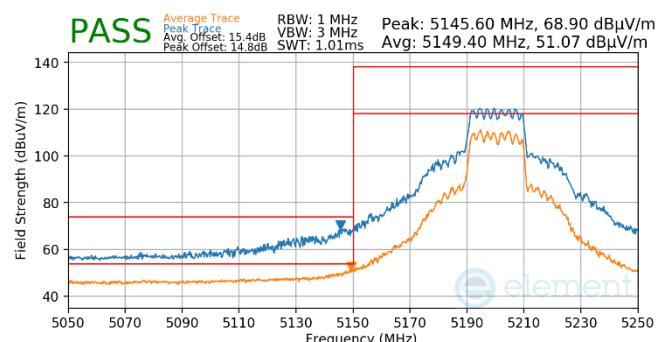
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 263 of 287

RU242


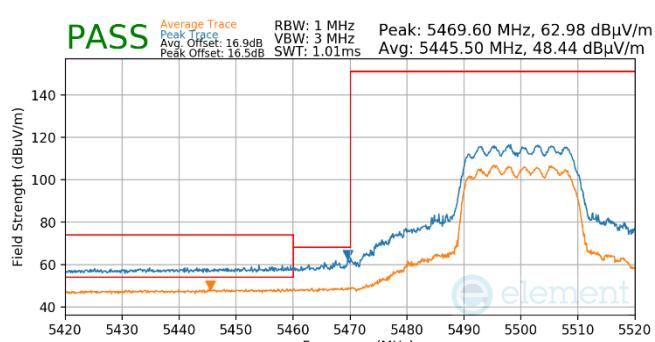
Plot 7-610. CDD (Pk & Avg, RU242, Index 61, Ch.36, MCS11)



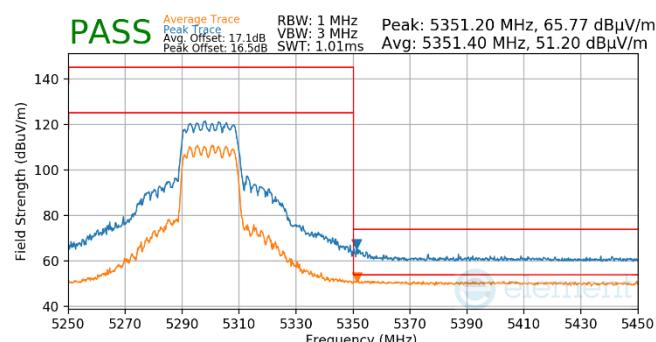
Plot 7-613. CDD (Pk & Avg, RU242, Index 61, Ch.64, MCS11)



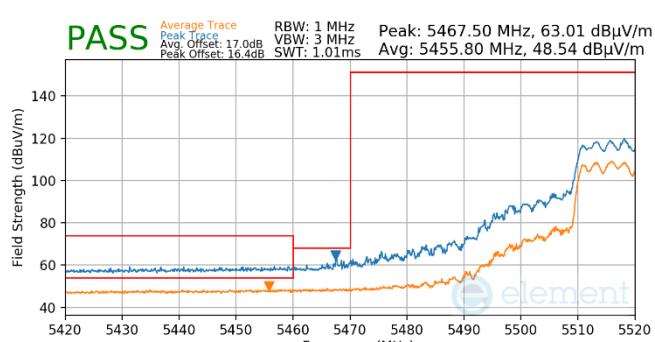
Plot 7-611. CDD (Pk & Avg, RU242, Index 61, Ch.40, MCS11)



Plot 7-614. CDD (Pk & Avg, RU242, Index 61, Ch.100, MCS11)

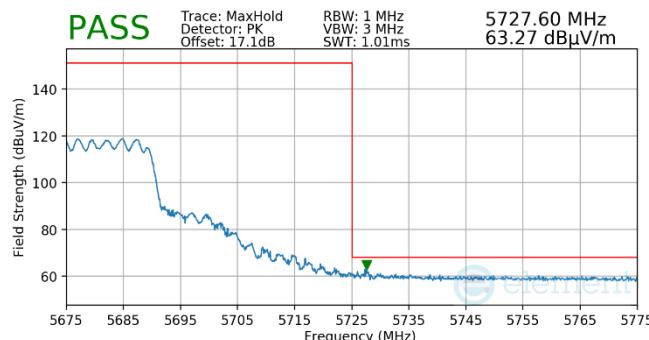


Plot 7-612. CDD (Pk & Avg, RU242, Index 61, Ch.60, MCS11)

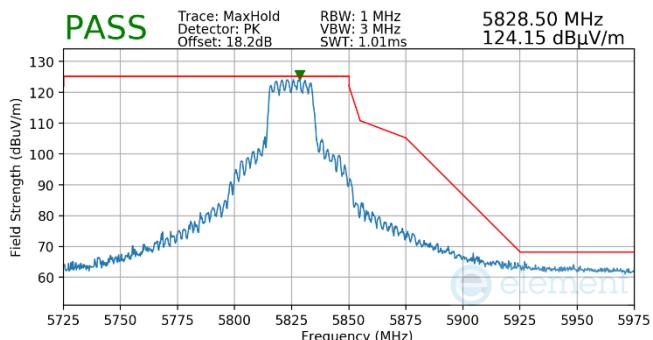


Plot 7-615. CDD (Pk & Avg, RU242, Index 61, Ch.104, MCS11)

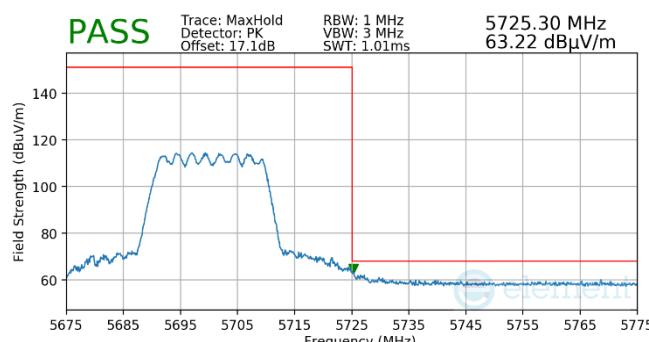
FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 264 of 287



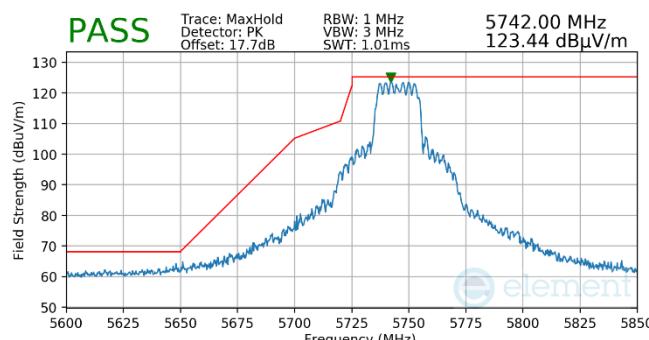
Plot 7-616. CDD (Pk, RU242, Index 61, Ch.136, MCS11)



Plot 7-619. CDD (Pk, RU242, Index 61, Ch.165, MCS11)



Plot 7-617. CDD (Pk, RU242, Index 61, Ch.140, MCS11)



Plot 7-618. CDD (Pk, RU242, Index 61, Ch.149, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 265 of 287

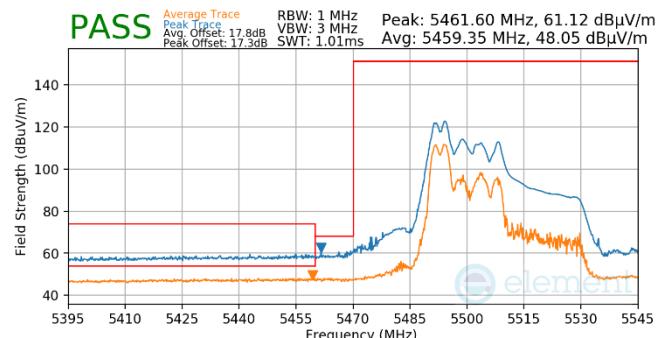
7.6.14 CDD Radiated Band Edge Measurements (40MHz BW)

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

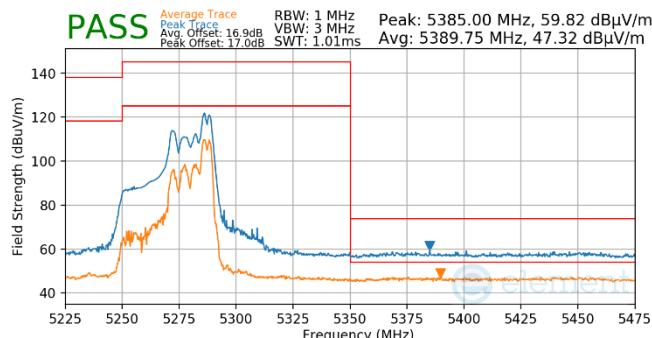
RU26/RU52



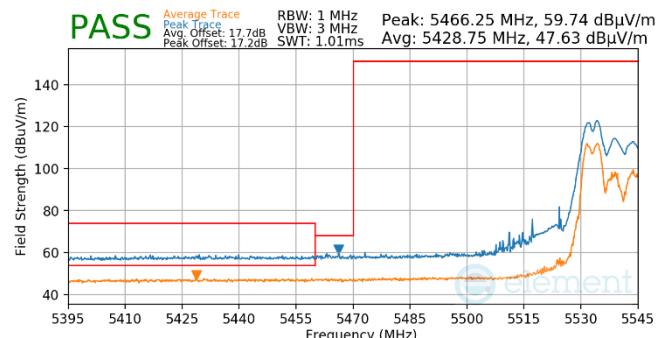
Plot 7-620. CDD (Pk & Avg, RU26, Index 0, Ch.38, MCS11)



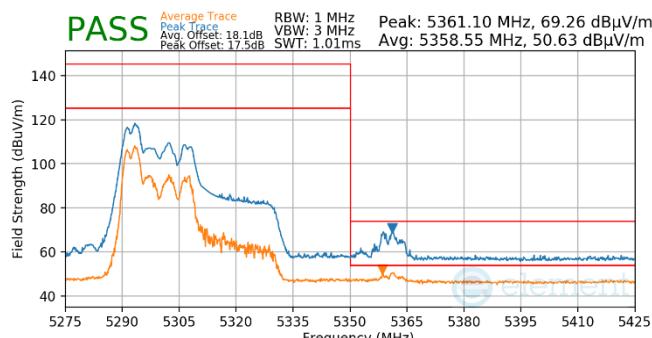
Plot 7-623. CDD (Pk & Avg, RU52, Index 37, Ch.102, MCS11)



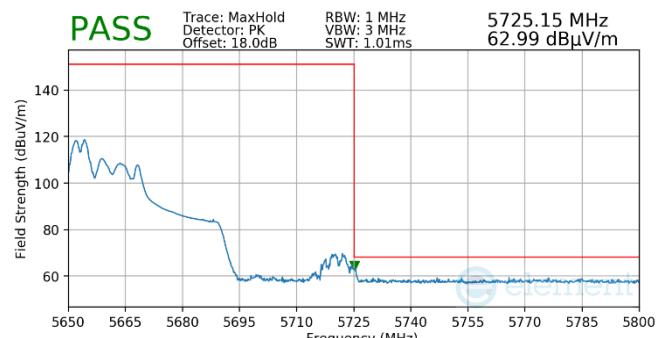
Plot 7-621. CDD (Pk & Avg, RU52, Index 44, Ch.54, MCS11)



Plot 7-624. CDD (Pk & Avg, RU52, Index 37, Ch.110, MCS11)

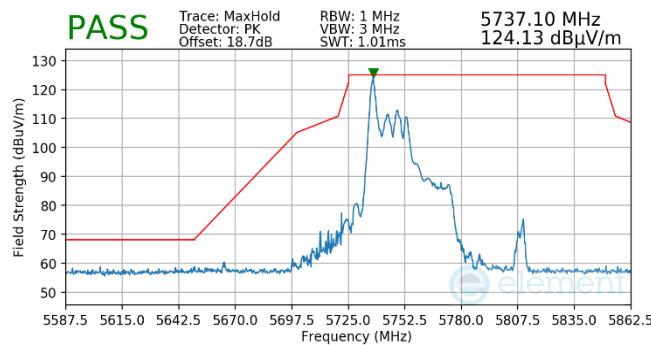


Plot 7-622. CDD (Pk & Avg, RU52, Index 37, Ch.62, MCS11)

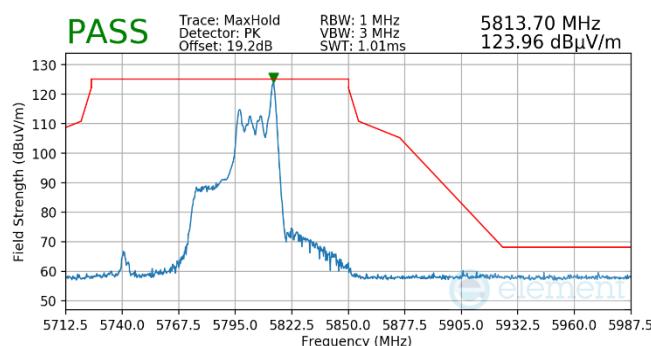


Plot 7-625. CDD (Pk, RU52, Index 37, Ch.134, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 266 of 287

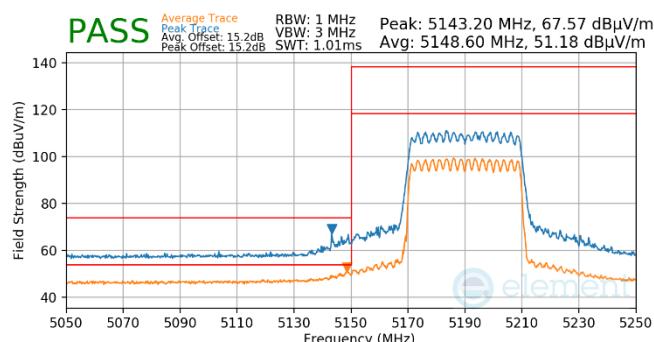


Plot 7-626. CDD (Pk, RU26, Index 0, Ch.151, MCS11)

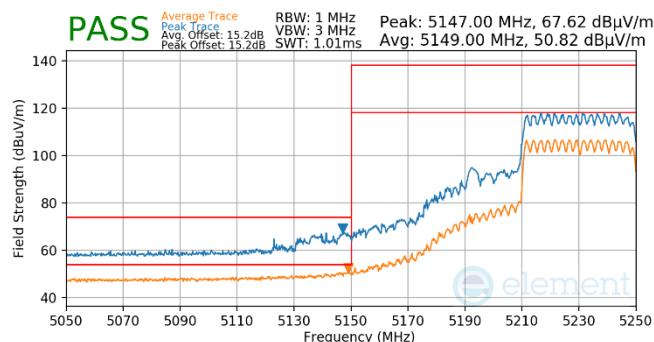


Plot 7-627. CDD (Pk, RU26, Index 17, Ch.159, MCS11)

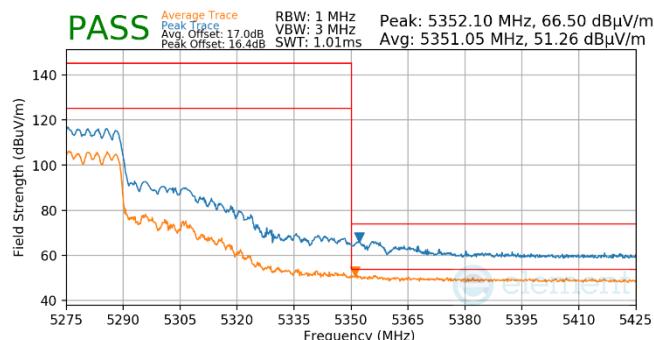
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 267 of 287

RU484


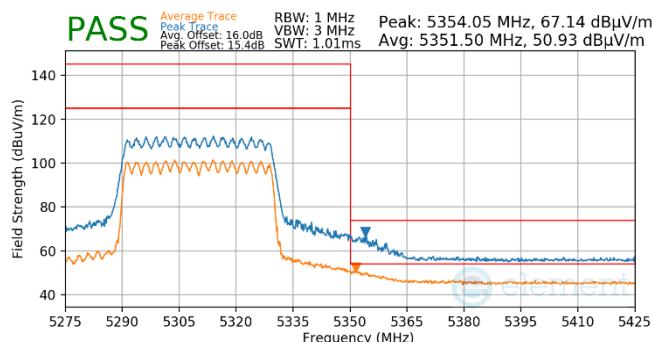
Plot 7-628. CDD (Pk & Avg, RU484, Index 65, Ch.38, MCS11)



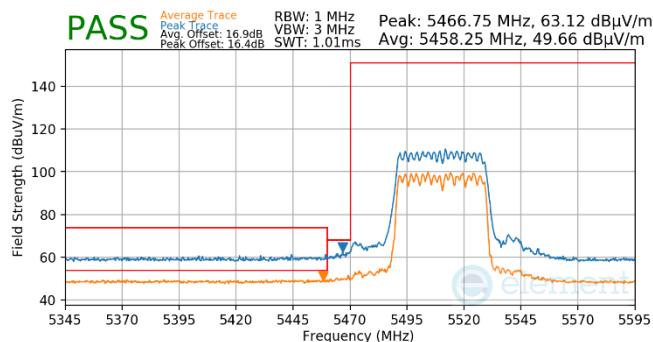
Plot 7-629. CDD (Pk & Avg, RU484, Index 65, Ch.46, MCS11)



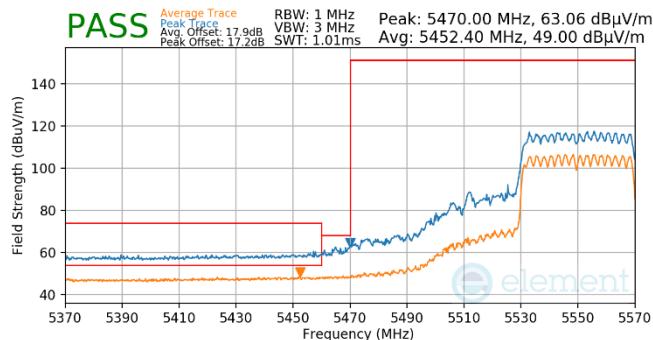
Plot 7-630. CDD (Pk & Avg, RU484, Index 65, Ch.54, MCS11)



Plot 7-631. CDD (Pk & Avg, RU484, Index 65, Ch.62, MCS11)

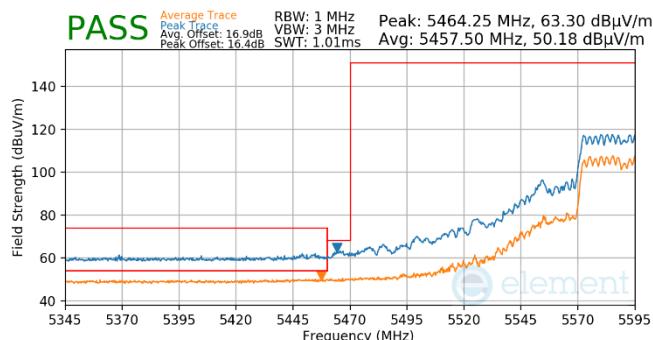


Plot 7-632. CDD (Pk & Avg, RU484, Index 65, Ch.102, MCS11)

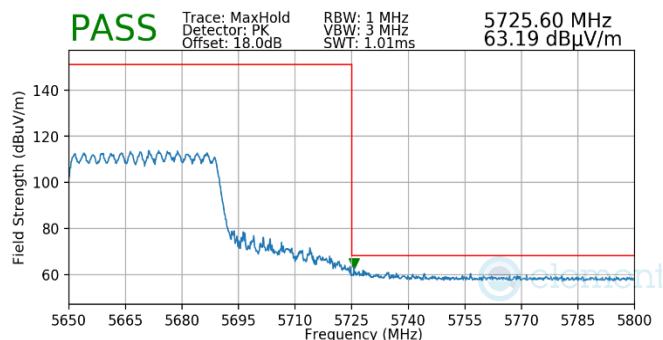


Plot 7-633. CDD (Pk & Avg, RU484, Index 65, Ch.110, MCS11)

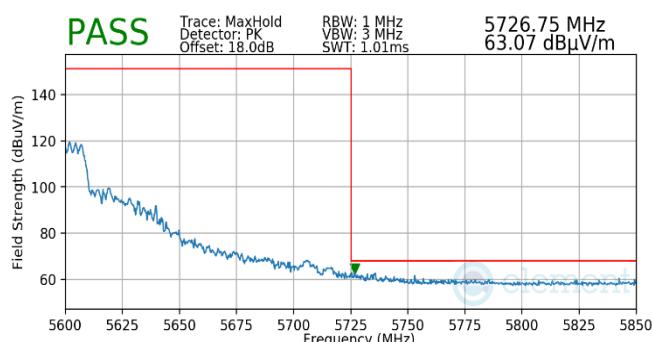
FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 268 of 287



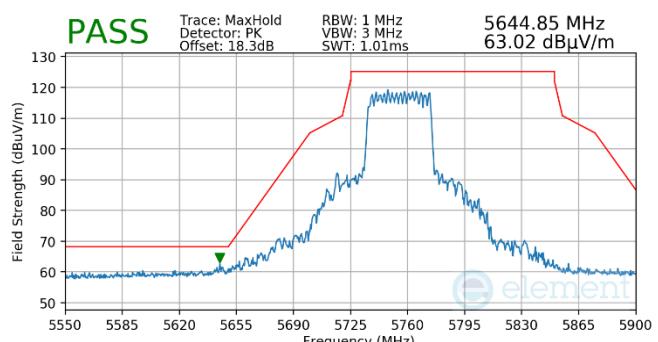
Plot 7-634. (FCC Only) CDD (Pk & Avg, RU484, Index 65, Ch.118, MCS11)



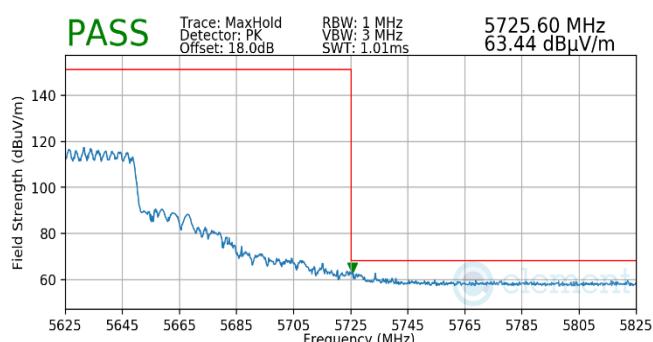
Plot 7-637. CDD (Pk, RU484, Index 65, Ch.134, MCS11)



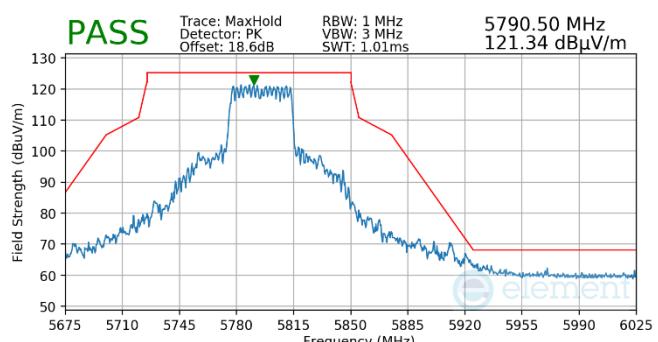
Plot 7-635. (FCC Only) CDD (Pk, RU484, Index 65, Ch.118, MCS11)



Plot 7-638. CDD (Pk, RU484, Index 65, Ch.151, MCS11)



Plot 7-636. (FCC Only) CDD (Pk, RU484, Index 65, Ch.126, MCS11)



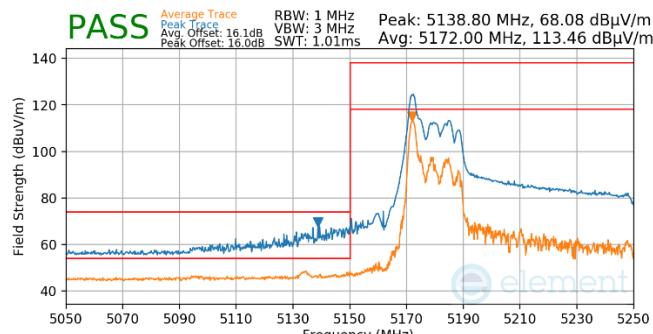
Plot 7-639. CDD (Pk, RU484, Index 65, Ch.159, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 269 of 287

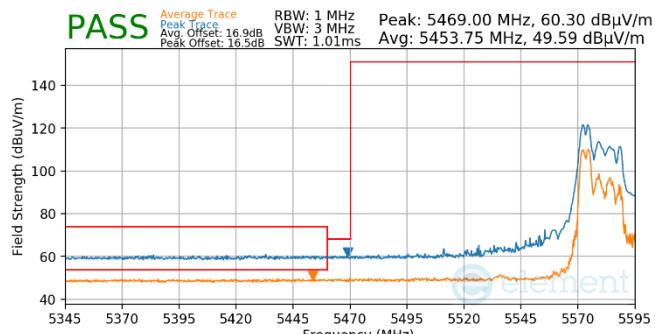
7.6.15 CDD Radiated Band Edge Measurements (80MHz BW)

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

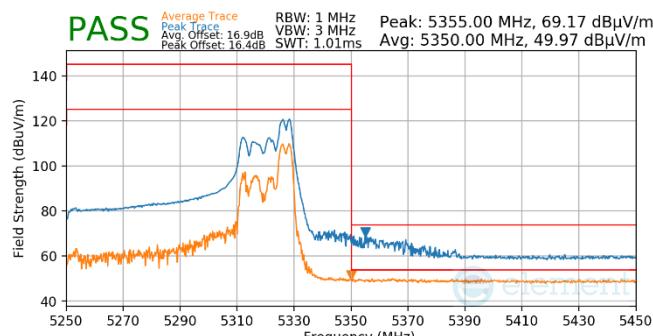
RU26



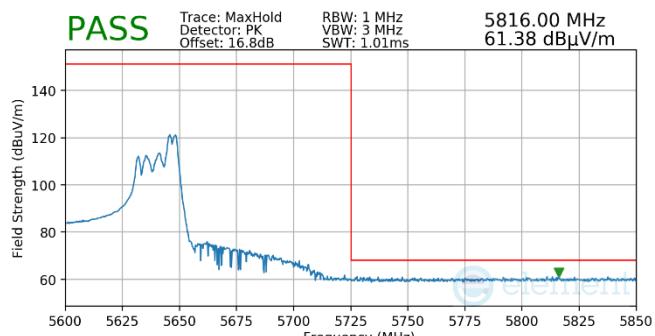
Plot 7-640. CDD (Pk & Avg, RU26, Index 0, Ch.42, MCS11)



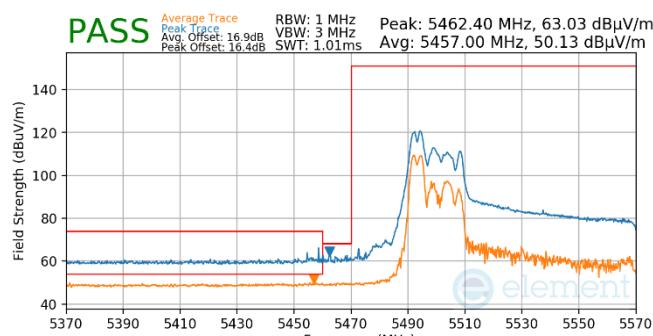
Plot 7-643. (FCC Only) CDD (Pk & Avg, RU52, Index 37, Ch.122, MCS11)



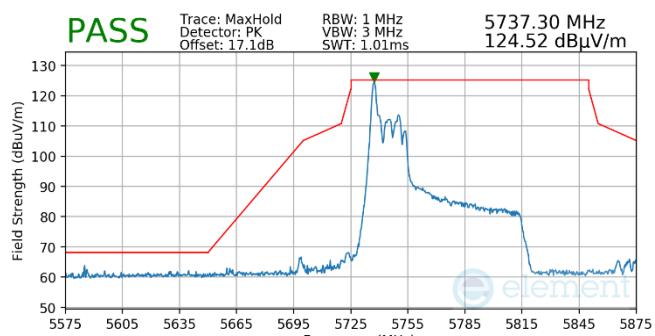
Plot 7-641. CDD (Pk & Avg, RU52, Index 52, Ch.58, MCS11)



Plot 7-644. (FCC Only) CDD (Pk, RU52, Index 52, Ch.122, MCS11)

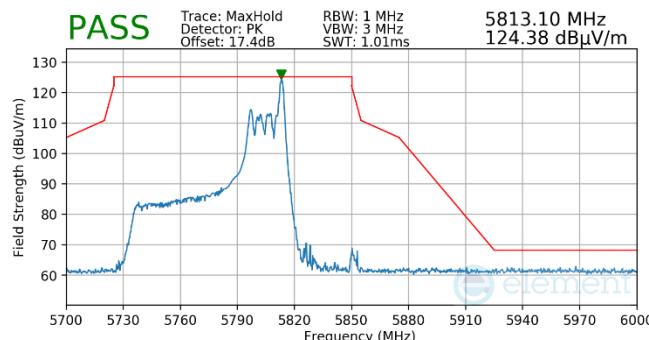


Plot 7-642. CDD (Pk & Avg, RU52, Index 37, Ch.106, MCS11)



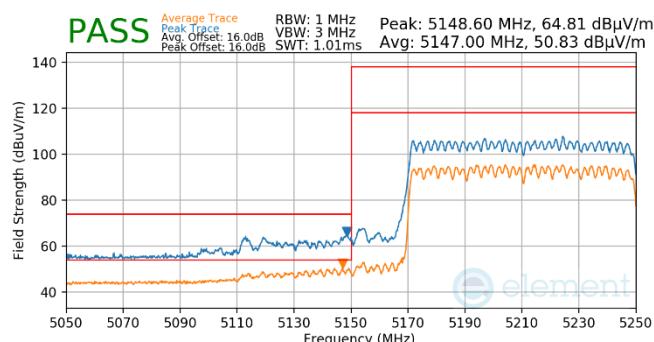
Plot 7-645. CDD (Pk, RU26, Index 0, Ch.155, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 270 of 287

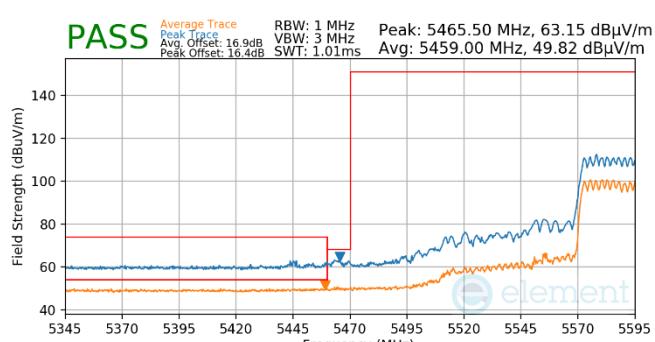


Plot 7-646. CDD (Pk, RU26, Index 36, Ch.155, MCS11)

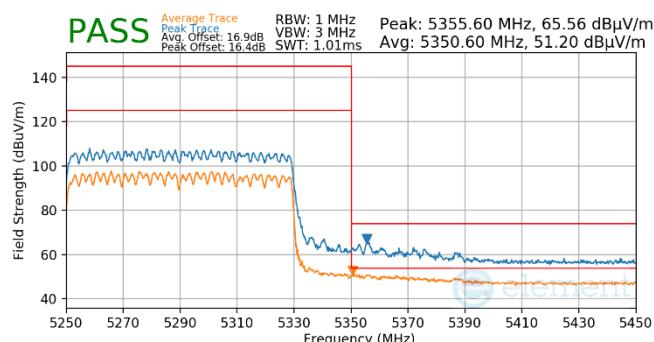
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 271 of 287

RU996


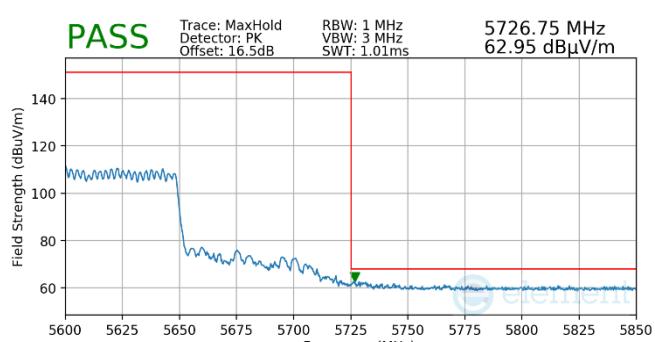
Plot 7-647. CDD (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



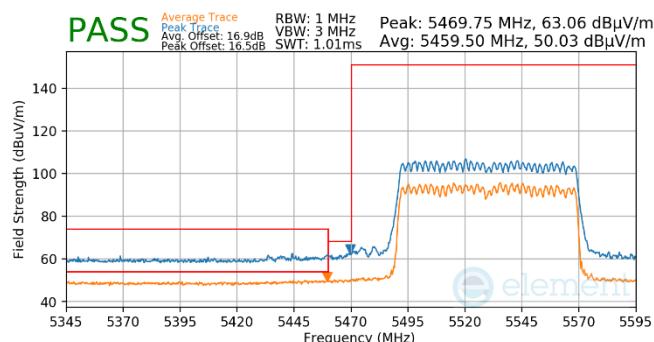
Plot 7-650. (FCC Only) CDD (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



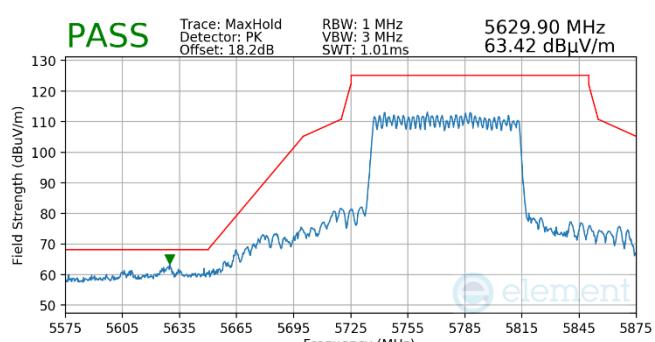
Plot 7-648. CDD (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



Plot 7-651. (FCC Only) CDD (Pk, RU996, Index 67, Ch.122, MCS11)

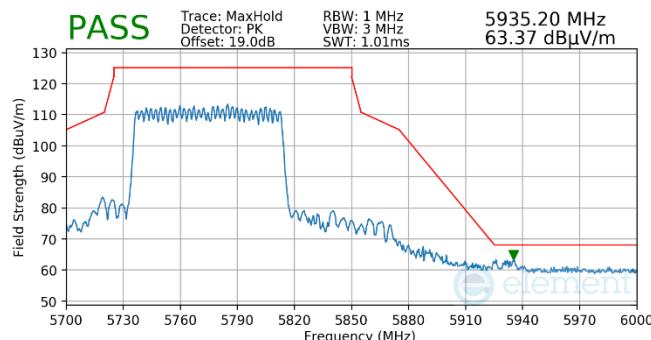


Plot 7-649. CDD (Pk & Avg, RU996, Index 67, Ch.106, MCS11)



Plot 7-652. CDD (Pk, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 272 of 287

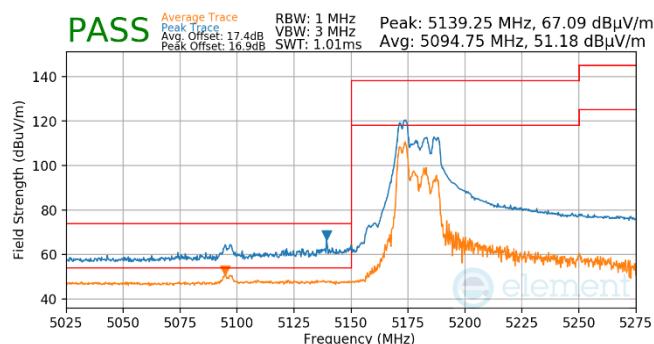


Plot 7-653. CDD (Pk, RU996, Index 67, Ch.155, MCS11)

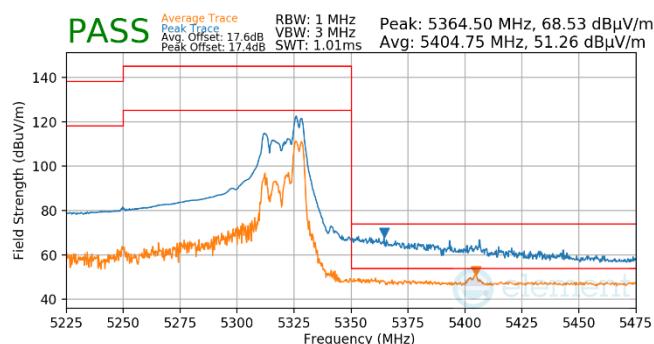
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 273 of 287

7.6.16 CDD Radiated Band Edge Measurements (160MHz BW)

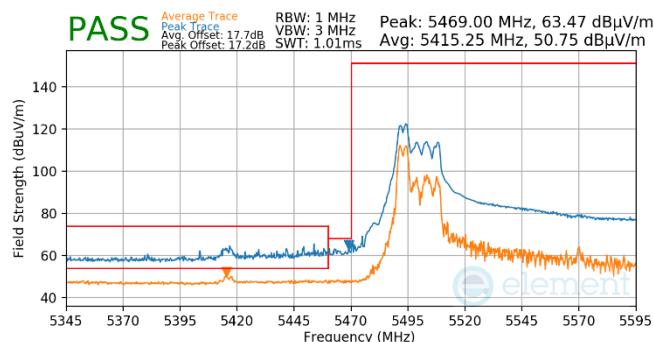
RU26



Plot 7-654. CDD (Pk & Avg, RU52, Index 37, Ch.50, MCS11)

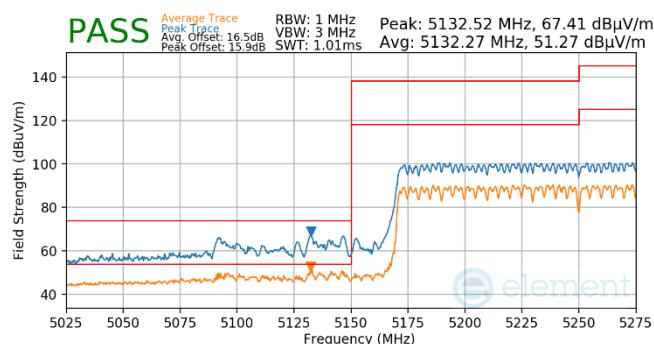


Plot 7-655. CDD (Pk & Avg, RU52, Index 52, Ch.50, MCS11)

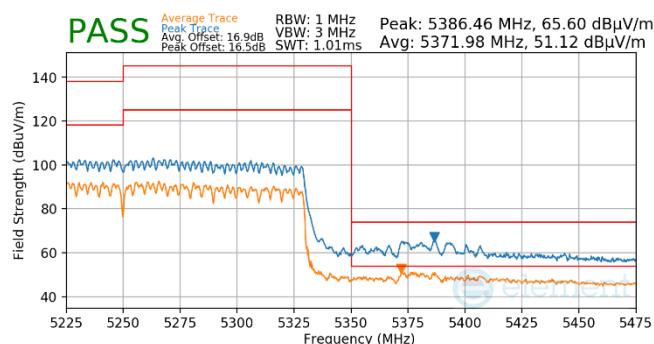


Plot 7-656. (FCC Only) CDD (Pk & Avg, RU52, Index 37, Ch.114, MCS11)

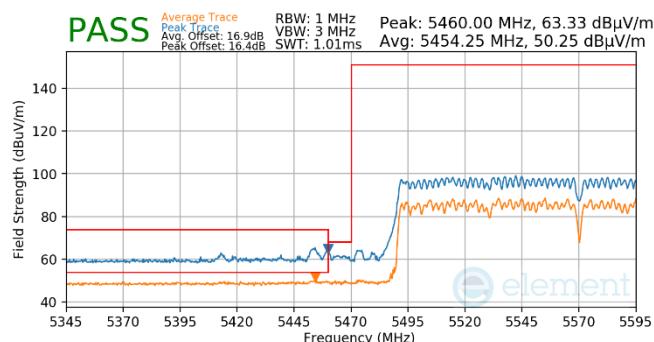
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 274 of 287

RU996x2


Plot 7-657. CDD (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)



Plot 7-658. CDD (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)



Plot 7-659. (FCC Only) CDD (Pk & Avg, RU996x2, Index 68, Ch.114, MCS11)

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 275 of 287

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 7-191 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-191. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

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: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 276 of 287

Test Setup

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

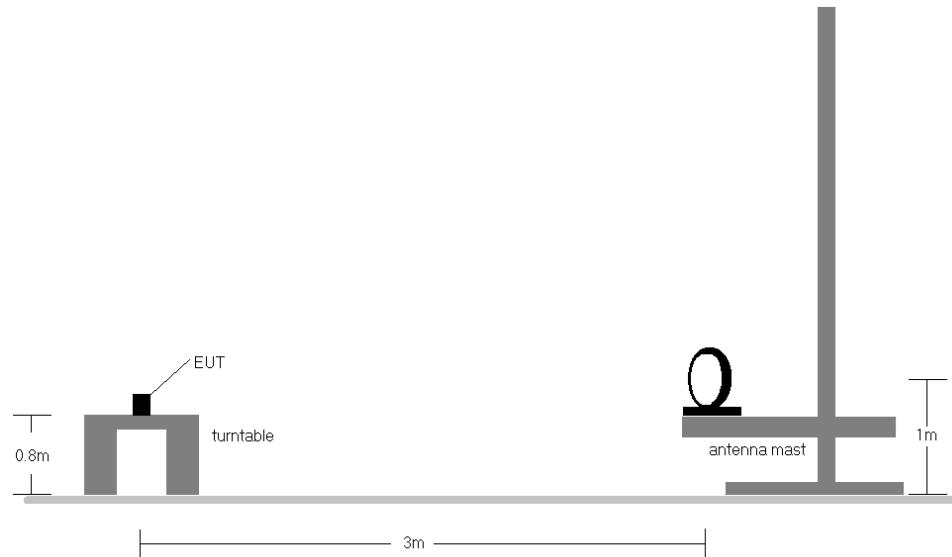


Figure 7-6. Radiated Test Setup < 30MHz

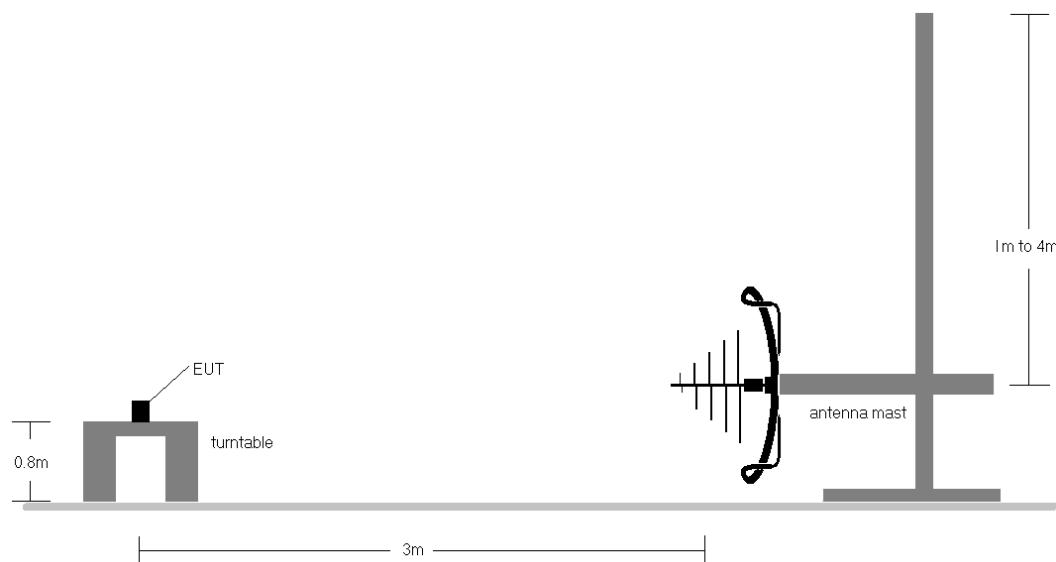


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 277 of 287

Test Notes

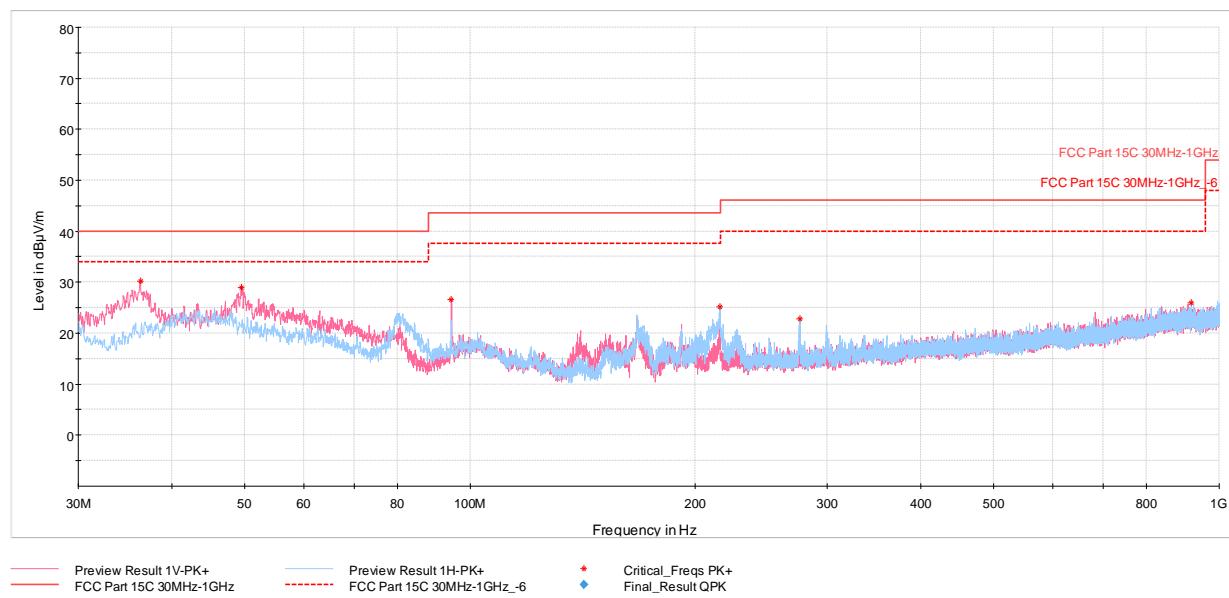
1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-191.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 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. 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

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

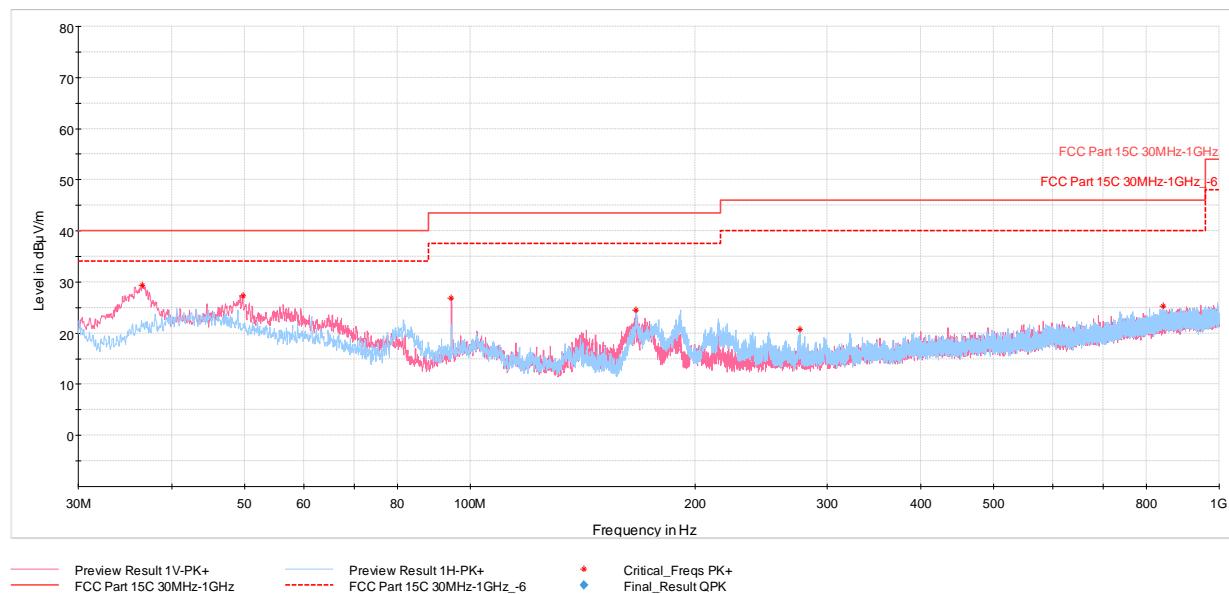
FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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CDD Radiated Spurious Emissions (Below 1GHz)
§15.209; RSS-Gen [8.9]

Plot 7-660. 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]
36.31	Max Peak	V	100	18	-58.39	-18.38	30.23	40.00	-9.77
49.50	Max Peak	V	100	319	-62.59	-15.53	28.88	40.00	-11.12
94.46	Max Peak	V	100	190	-61.35	-19.06	26.59	43.52	-16.93
215.71	Max Peak	H	200	184	-63.96	-17.78	25.26	43.52	-18.26
275.70	Max Peak	H	100	122	-68.25	-15.85	22.90	46.02	-23.12
916.63	Max Peak	H	100	95	-77.07	-4.02	25.91	46.02	-20.11

Table 7-192. RSE below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-661. 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]
36.55	Max Peak	V	100	50	-59.27	-18.32	29.41	40.00	-10.59
49.74	Max Peak	V	100	19	-64.09	-15.53	27.38	40.00	-12.62
94.46	Max Peak	V	100	201	-61.06	-19.06	26.88	43.52	-16.64
166.67	Max Peak	H	100	235	-62.32	-20.22	24.46	43.52	-19.06
275.60	Max Peak	H	100	213	-70.36	-15.86	20.78	46.02	-25.24
842.33	Max Peak	H	300	118	-76.76	-4.95	25.29	46.02	-20.73

Table 7-193. RSE below 1GHz CDD (RU242– Ch.40), with AC/DC Adapter

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device			

V 10.5 12/15/2021

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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 (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-194. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, 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: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Setup

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

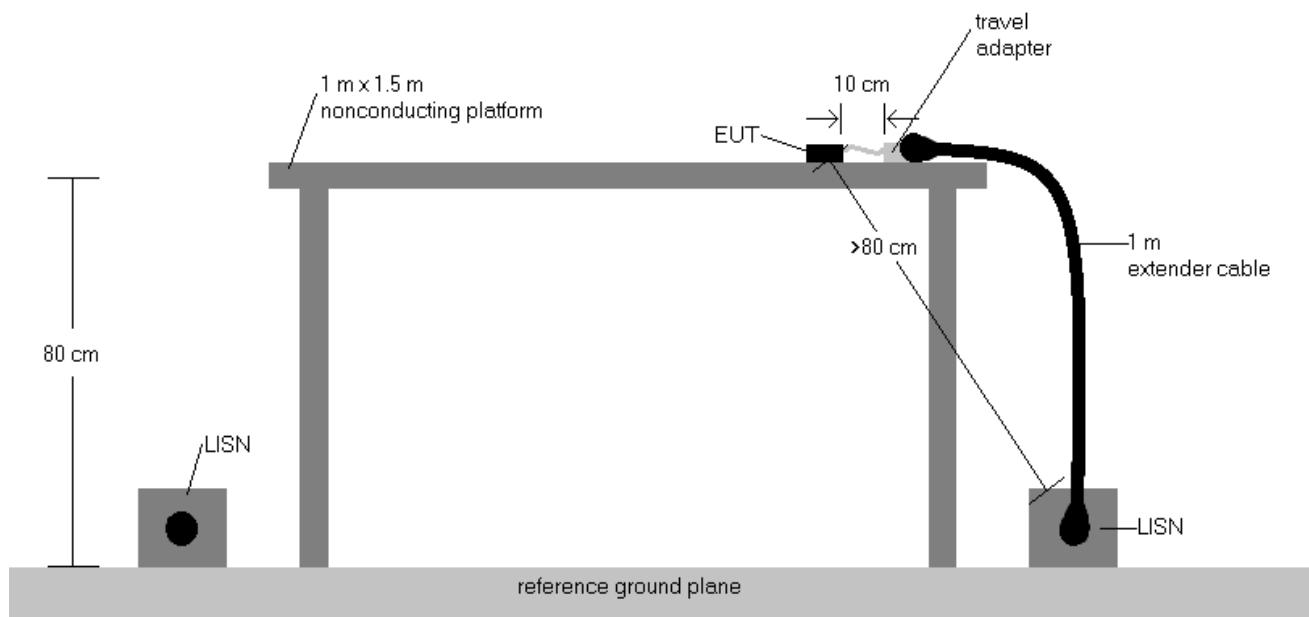
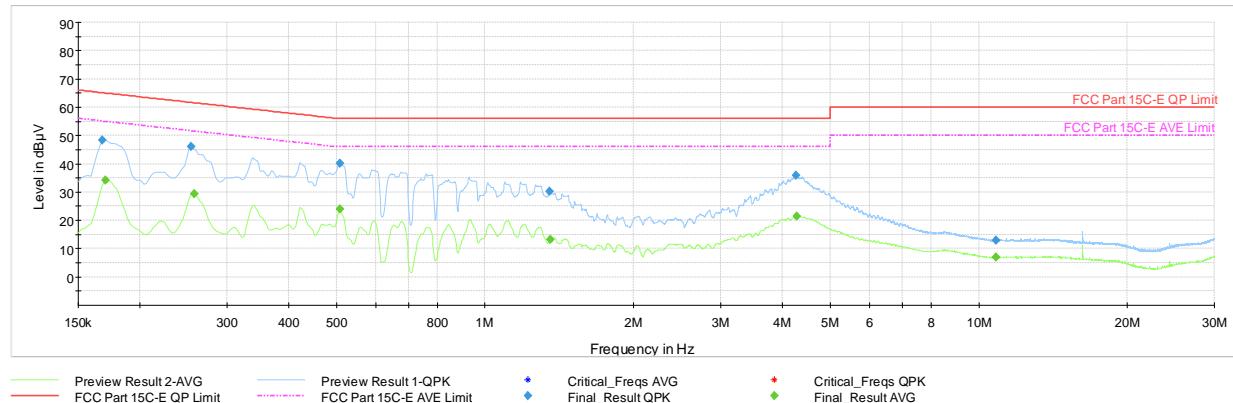


Figure 7-8. Test Instrument & Measurement Setup

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. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ V)
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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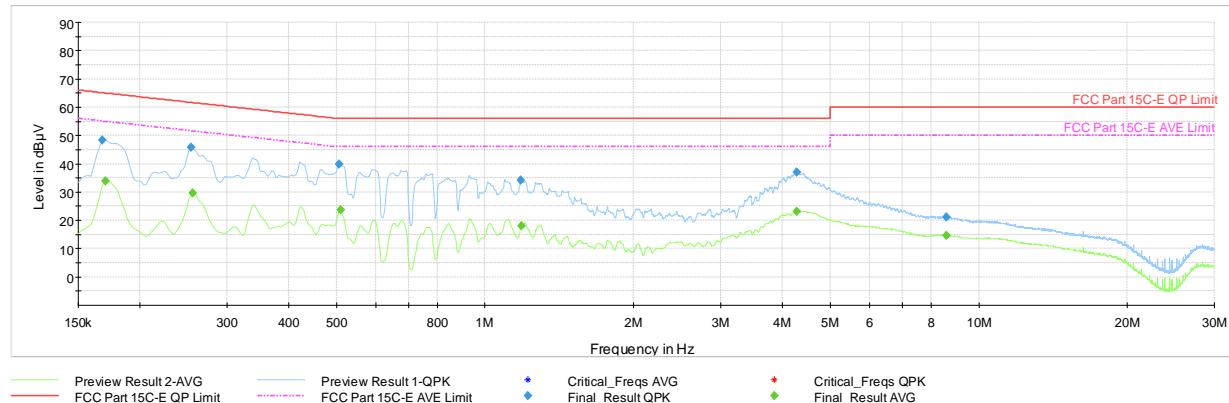


Plot 7-662. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU26 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	48.5	—	65.06	-16.57	L1	ON
0.170	FINAL	—	34.20	54.95	-20.75	L1	ON
0.254	FINAL	46.1	—	61.64	-15.54	L1	ON
0.258	FINAL	—	29.45	51.50	-22.04	L1	ON
0.508	FINAL	—	23.90	46.00	-22.10	L1	ON
0.508	FINAL	40.1	—	56.00	-15.86	L1	ON
1.349	FINAL	30.4	—	56.00	-25.65	L1	ON
1.356	FINAL	—	13.22	46.00	-32.78	L1	ON
4.268	FINAL	36.0	—	56.00	-20.00	L1	ON
4.279	FINAL	—	21.31	46.00	-24.69	L1	ON
10.813	FINAL	13.0	—	60.00	-46.99	L1	ON
10.817	FINAL	—	6.96	50.00	-43.04	L1	ON

Table 7-195. AC Line Conducted with 11ax UNII Band 1 CDD RU26 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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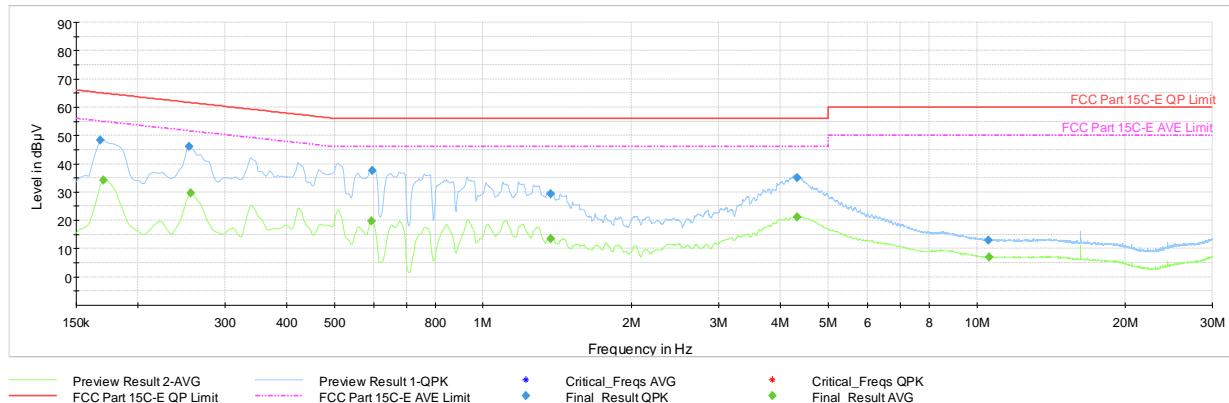


Plot 7-663. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU26 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	48.4	—	65.06	-16.63	N	ON
0.170	FINAL	—	33.91	54.95	-21.04	N	ON
0.254	FINAL	45.8	—	61.64	-15.81	N	ON
0.256	FINAL	—	29.62	51.57	-21.95	N	ON
0.506	FINAL	39.9	—	56.00	-16.08	N	ON
0.510	FINAL	—	23.75	46.00	-22.25	N	ON
1.183	FINAL	34.1	—	56.00	-21.88	N	ON
1.187	FINAL	—	18.12	46.00	-27.88	N	ON
4.272	FINAL	37.1	—	56.00	-18.90	N	ON
4.286	FINAL	—	23.13	46.00	-22.87	N	ON
8.594	FINAL	—	14.75	50.00	-35.25	N	ON
8.594	FINAL	21.1	—	60.00	-38.89	N	ON

Table 7-196. AC Line Conducted with 11ax UNII Band 1 CDD RU26 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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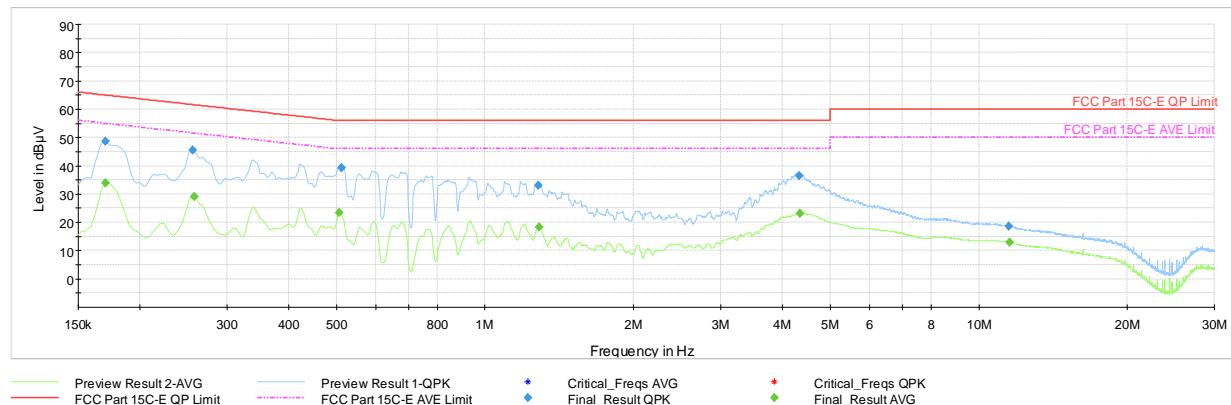


Plot 7-664. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU242 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	48.4	—	65.06	-16.63	L1	ON
0.170	FINAL	—	34.09	54.95	-20.86	L1	ON
0.254	FINAL	46.1	—	61.64	-15.59	L1	ON
0.256	FINAL	—	29.71	51.57	-21.86	L1	ON
0.593	FINAL	—	19.68	46.00	-26.32	L1	ON
0.596	FINAL	37.6	—	56.00	-18.37	L1	ON
1.370	FINAL	—	13.61	46.00	-32.39	L1	ON
1.372	FINAL	29.4	—	56.00	-26.65	L1	ON
4.322	FINAL	35.0	—	56.00	-20.97	L1	ON
4.324	FINAL	—	21.13	46.00	-24.87	L1	ON
10.572	FINAL	12.9	—	60.00	-47.07	L1	ON
10.592	FINAL	—	6.98	50.00	-43.02	L1	ON

Table 7-197. AC Line Conducted with 11ax UNII Band 1 CDD RU242 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 285 of 287



Plot 7-665. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU242 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.170	FINAL	—	33.92	54.95	-21.03	N	ON
0.170	FINAL	48.7	—	64.95	-16.28	N	ON
0.256	FINAL	45.4	—	61.57	-16.14	N	ON
0.258	FINAL	—	29.19	51.50	-22.30	N	ON
0.506	FINAL	—	23.40	46.00	-22.61	N	ON
0.512	FINAL	39.4	—	56.00	-16.62	N	ON
1.282	FINAL	33.0	—	56.00	-23.02	N	ON
1.286	FINAL	—	18.32	46.00	-27.68	N	ON
4.324	FINAL	36.5	—	56.00	-19.47	N	ON
4.340	FINAL	—	23.04	46.00	-22.96	N	ON
11.519	FINAL	18.5	—	60.00	-41.52	N	ON
11.551	FINAL	—	12.85	50.00	-37.15	N	ON

Table 7-198. AC Line Conducted with 11ax UNII Band 1 CDD RU242 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCGA2436 IC: 579C-A2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 286 of 287

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA2436** and **IC: 579C-A2436** 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: BCGA2436	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090027-10.BCG	Test Dates: 05/30/2022 - 09/26/2022	EUT Type: Tablet Device	Page 287 of 287