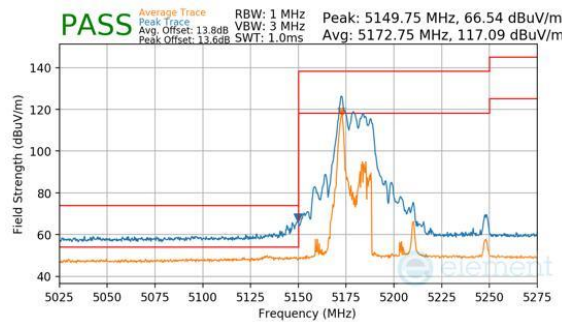
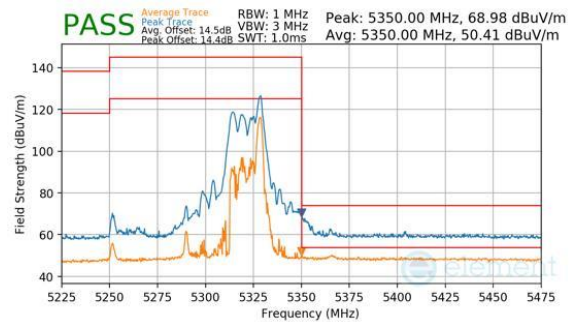


7.6.12 CDD Radiated Band Edge Measurements (80MHz BW)

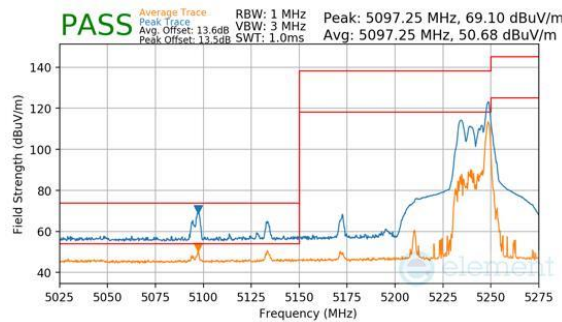
RU26



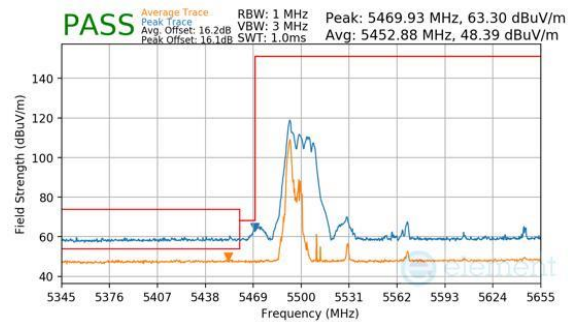
Plot 7-730. CDD (Peak & Average, RU26, Index 0, Ch.42, MCS11)



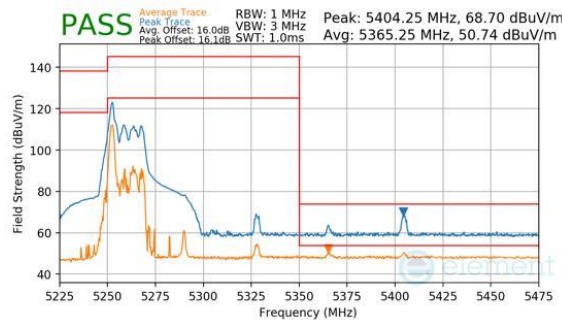
Plot 7-733. CDD (Peak & Average, RU26, Index 36, Ch.58, MCS11)



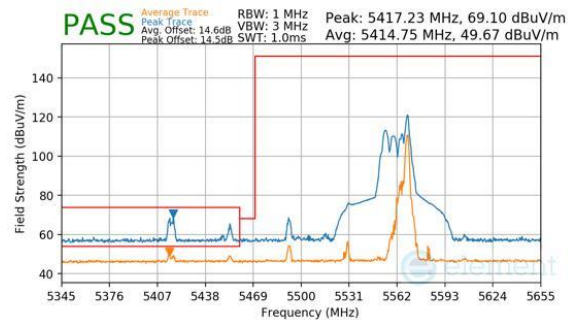
Plot 7-731. CDD (Peak & Average, RU26, Index 36, Ch.42, MCS11)



Plot 7-734. CDD (Peak & Average, RU26, Index 0, Ch.106, MCS11)



Plot 7-732. CDD (Peak & Average, RU26, Index 0, Ch.58, MCS11)

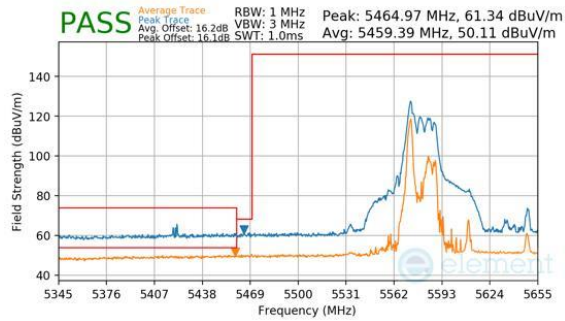


Plot 7-735. CDD (Peak & Average, RU26, Index 36, Ch.106, MCS11)

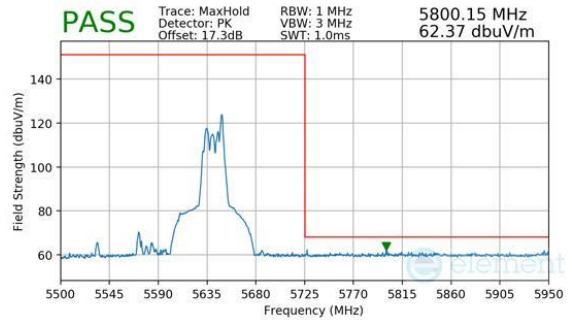
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-14-R7.BCG	Test Dates: 09/15/2025 - 11/14/2025	EUT Type: Tablet Device	Page 233 of 271

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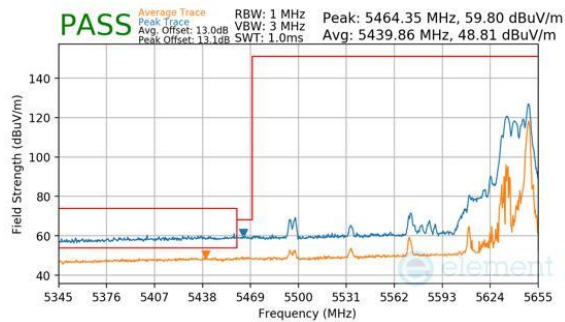
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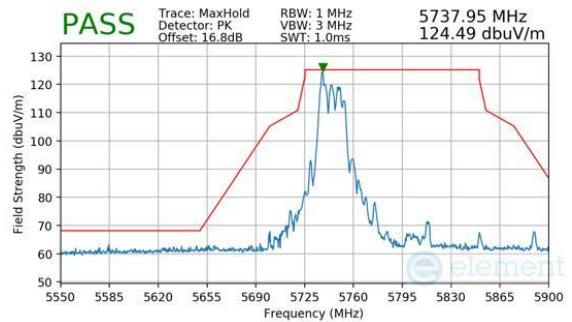
Plot 7-736. CDD (Peak & Average, RU26, Index 0, Ch.122, MCS11)



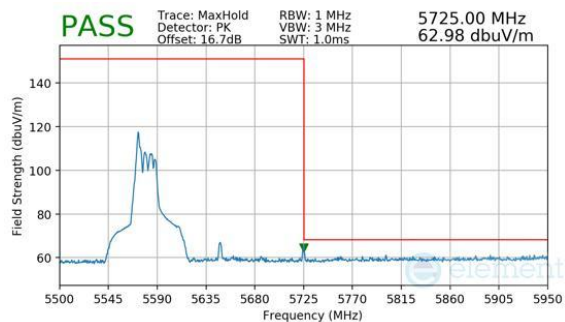
Plot 7-739. CDD (Peak, RU26, Index 36, Ch.122, MCS11)



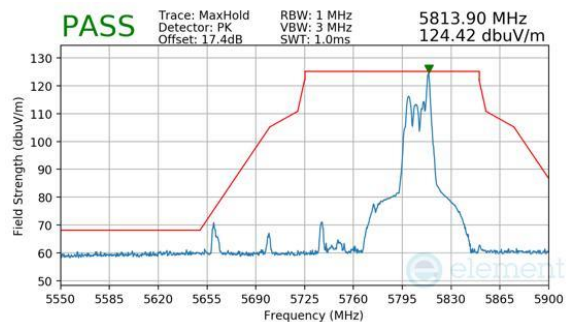
Plot 7-737. CDD (Peak & Average, RU26, Index 36, Ch.122, MCS11)



Plot 7-740. CDD (Peak, RU26, Index 0, Ch.155, MCS11)

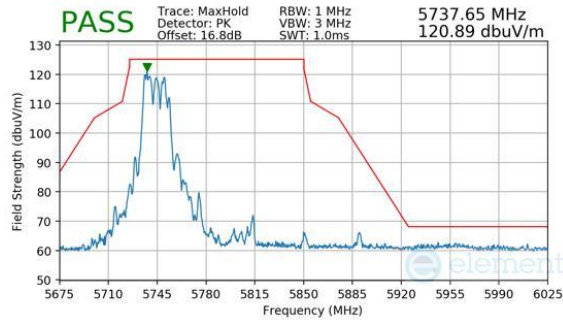


Plot 7-738. CDD (Peak, RU26, Index 0, Ch.122, MCS11)

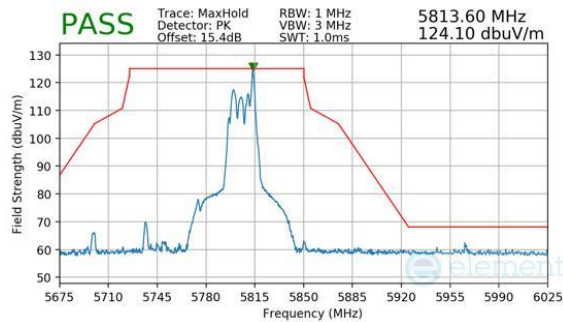


Plot 7-741. CDD (Peak, RU26, Index 36, Ch.155, MCS11)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-742. CDD (Peak, RU26, Index 0, Ch.155, MCS11)

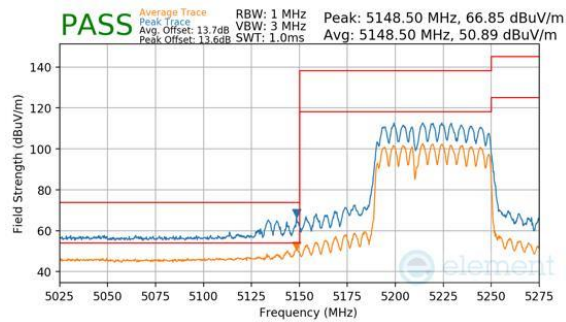


Plot 7-743. CDD (Peak, RU26, Index 36, Ch.155, MCS11)

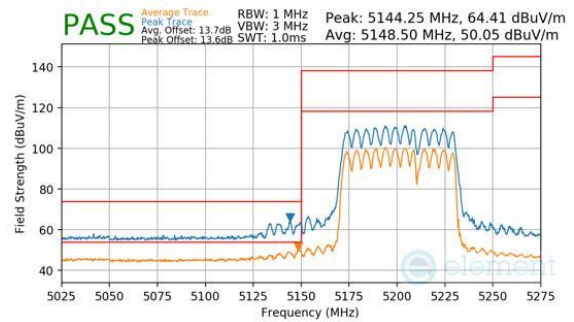
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-14-R7.BCG	Test Dates: 09/15/2025 - 11/14/2025	EUT Type: Tablet Device	Page 235 of 271

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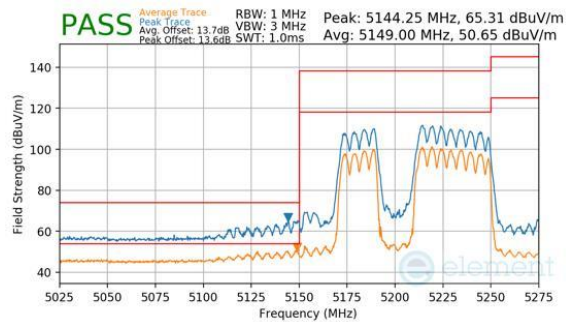
MRU



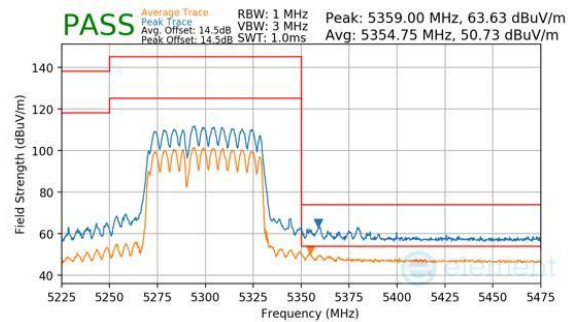
Plot 7-750. CDD (Peak & Average, RU484+242, Index 90, Ch.42, MCS11)



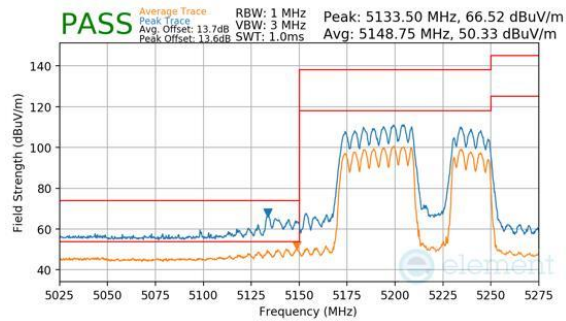
Plot 7-753. CDD (Peak & Average, RU484+242, Index 93, Ch.42, MCS11)



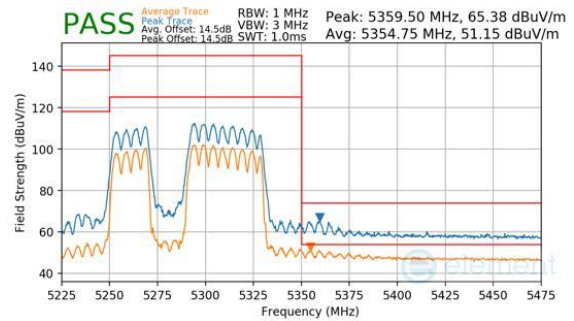
Plot 7-751. CDD (Peak & Average, RU484+242, Index 91, Ch.42, MCS11)



Plot 7-754. CDD (Peak & Average, RU484+242, Index 90, Ch.58, MCS11)

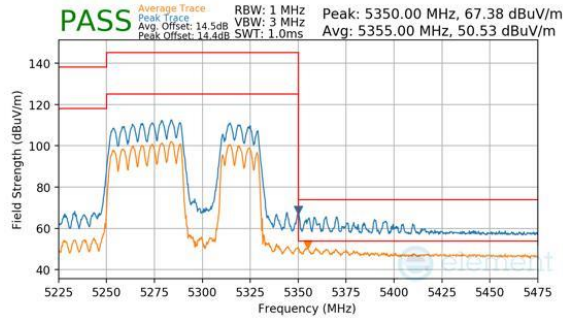


Plot 7-752. CDD (Peak & Average, RU484+242, Index 92, Ch.42, MCS11)

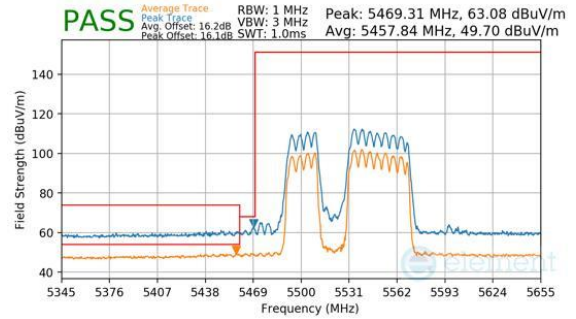


Plot 7-755. CDD (Peak & Average, RU484+242, Index 91, Ch.58, MCS11)

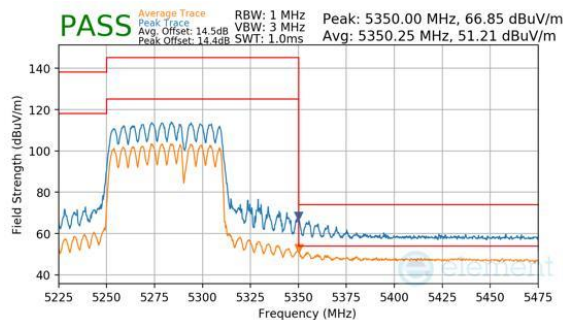
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-14-R7.BCG	Test Dates: 09/15/2025 - 11/14/2025	EUT Type: Tablet Device	Page 237 of 271



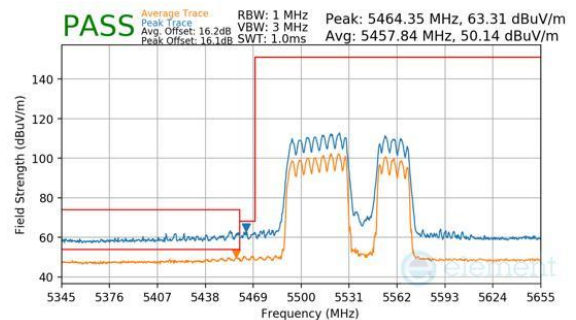
Plot 7-756. CDD (Peak & Average, RU484+242, Index 92, Ch.58, MCS11)



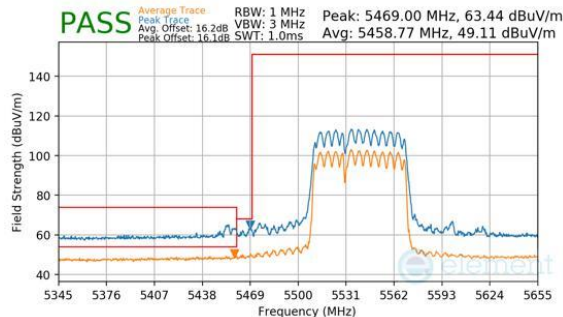
Plot 7-759. CDD (Peak & Average, RU484+242, Index 91, Ch.106, MCS11)



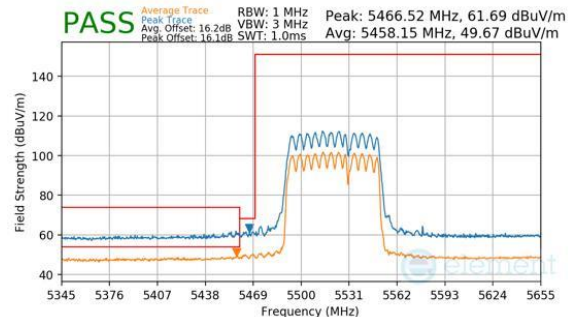
Plot 7-757. CDD (Peak & Average, RU484+242, Index 93, Ch.58, MCS11)



Plot 7-760. CDD (Peak & Average, RU484+242, Index 92, Ch.106, MCS11)



Plot 7-758. CDD (Peak & Average, RU484+242, Index 90, Ch.106, MCS11)

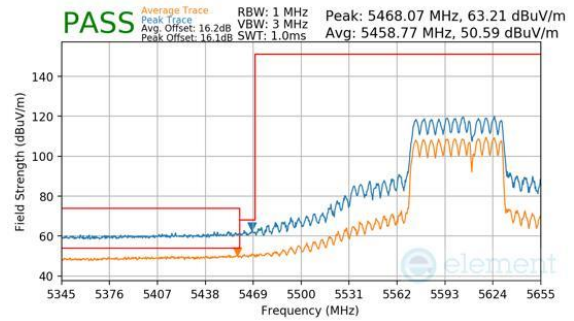


Plot 7-761. CDD (Peak & Average, RU484+242, Index 93, Ch.106, MCS11)

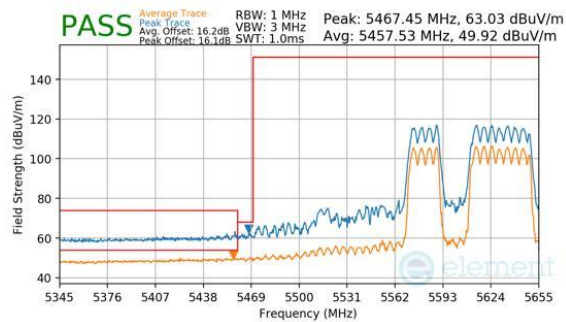
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-14-R7.BCG	Test Dates: 09/15/2025 - 11/14/2025	EUT Type: Tablet Device	Page 238 of 271



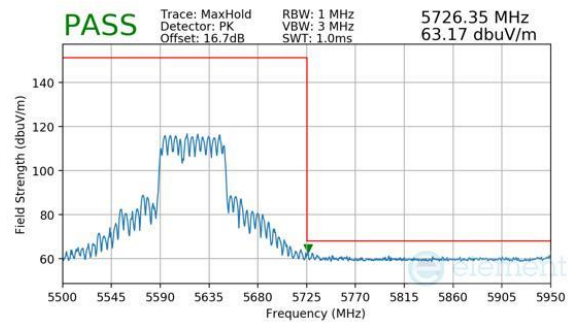
Plot 7-762. CDD (Peak & Average, RU484+242, Index 90, Ch.122, MCS11)



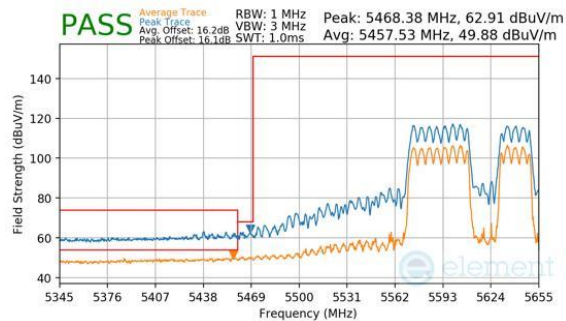
Plot 7-765. CDD (Peak & Average, RU484+242, Index 93, Ch.122, MCS11)



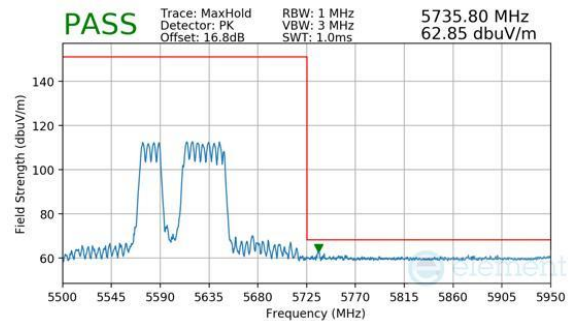
Plot 7-763. CDD (Peak & Average, RU484+242, Index 91, Ch.122, MCS11)



Plot 7-766. CDD (Peak, RU484+242, Index 90, Ch.122, MCS11)

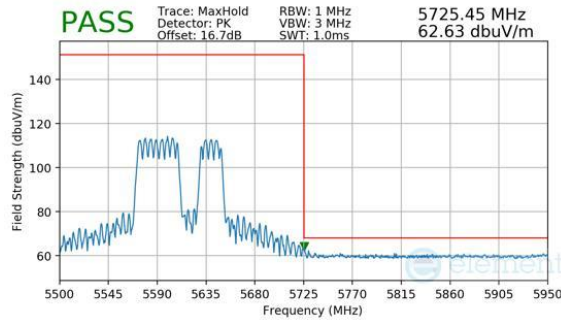


Plot 7-764. CDD (Peak & Average, RU484+242, Index 92, Ch.122, MCS11)

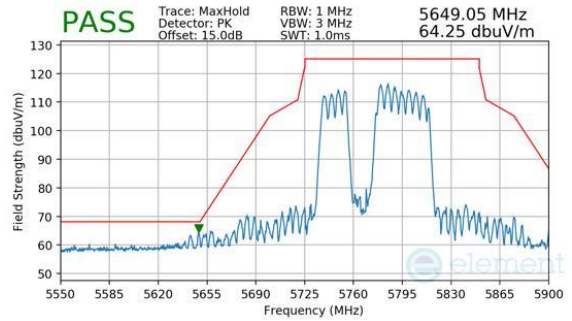


Plot 7-767. CDD (Peak, RU484+242, Index 91, Ch.122, MCS11)

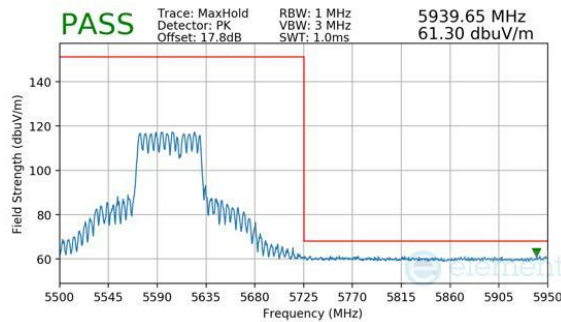
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-14-R7.BCG	Test Dates: 09/15/2025 - 11/14/2025	EUT Type: Tablet Device	Page 239 of 271



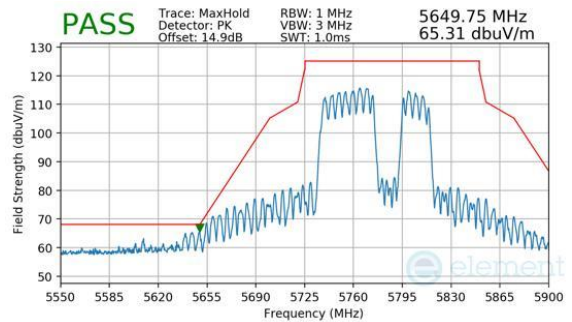
Plot 7-768. CDD (Peak, RU484+242, Index 92, Ch.122, MCS11)



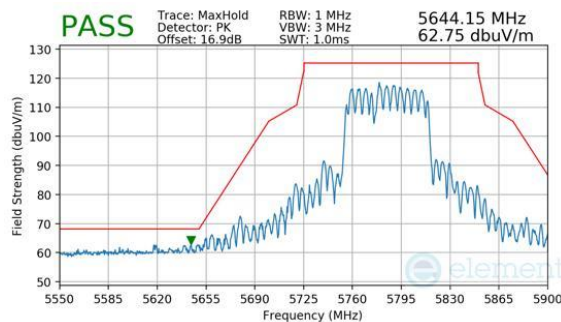
Plot 7-771. CDD (Peak, RU484+242, Index 91, Ch.155, MCS11)



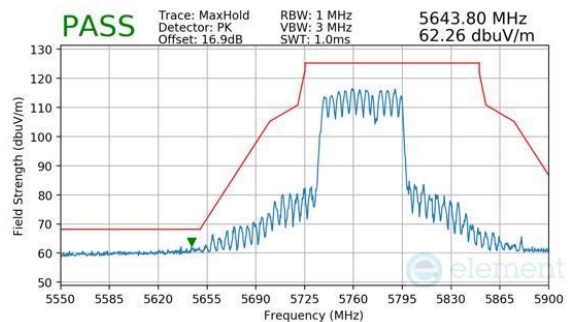
Plot 7-769. CDD (Peak, RU484+242, Index 93, Ch.122, MCS11)



Plot 7-772. CDD (Peak, RU484+242, Index 92, Ch.155, MCS11)

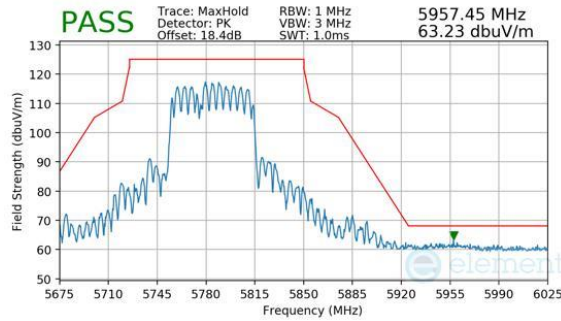


Plot 7-770. CDD (Peak, RU484+242, Index 90, Ch.155, MCS11)

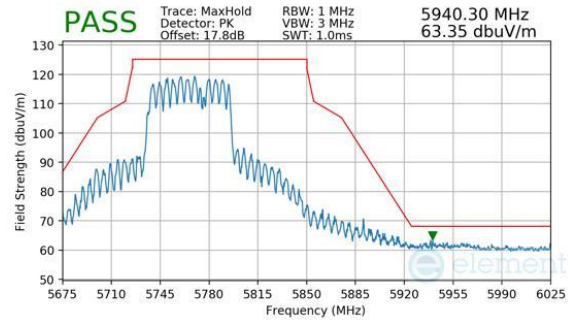


Plot 7-773. CDD (Peak, RU484+242, Index 93, Ch.155, MCS11)

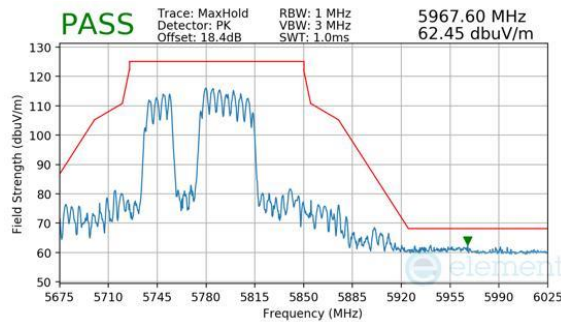
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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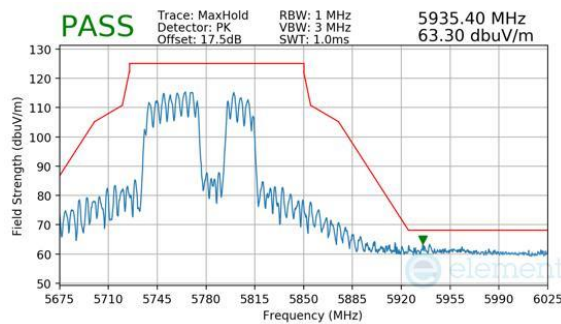
Plot 7-774. CDD (Peak, RU484+242, Index 90, Ch.155, MCS11)



Plot 7-777. CDD (Peak, RU484+242, Index 93, Ch.155, MCS11)



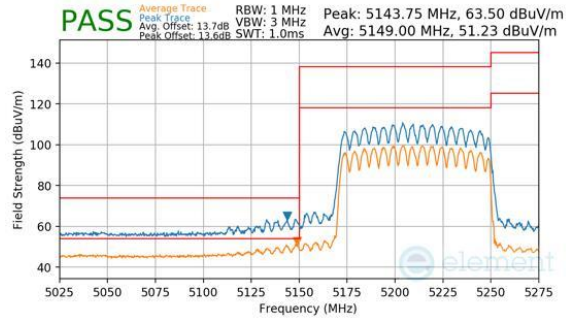
Plot 7-775. CDD (Peak, RU484+242, Index 91, Ch.155, MCS11)



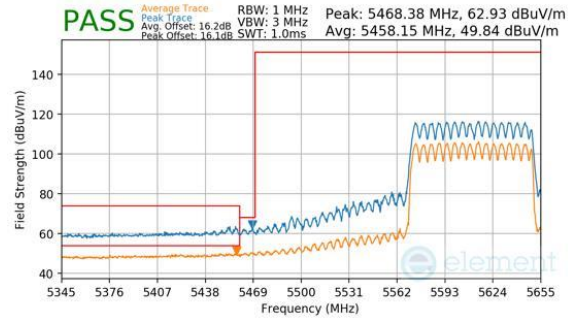
Plot 7-776. CDD (Peak, RU484+242, Index 92, Ch.155, MCS11)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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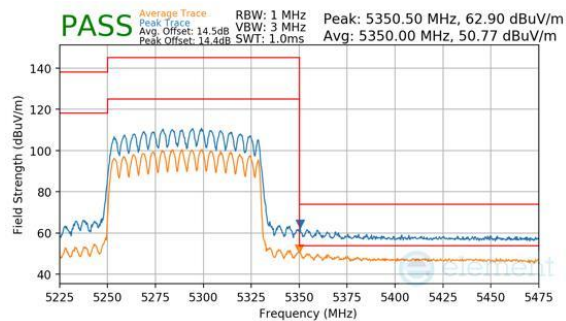
RU996



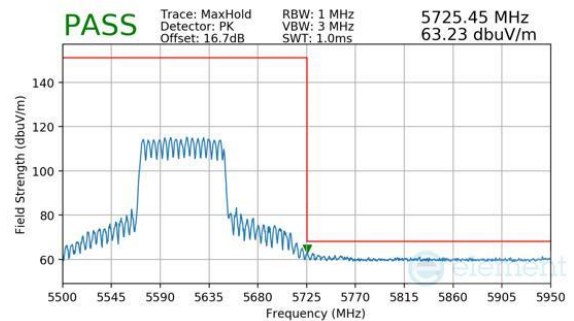
Plot 7-778. CDD (Peak & Average, RU996, Index 67, Ch.42, MCS11)



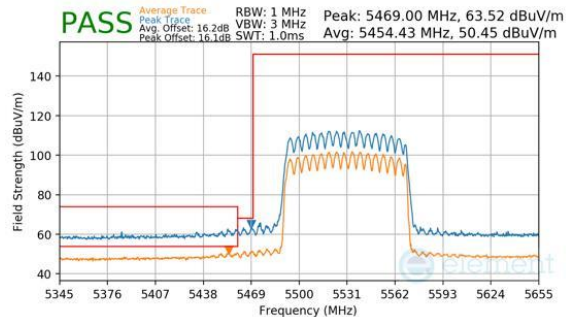
Plot 7-781. CDD (Peak & Average, RU996, Index 67, Ch.122, MCS11)



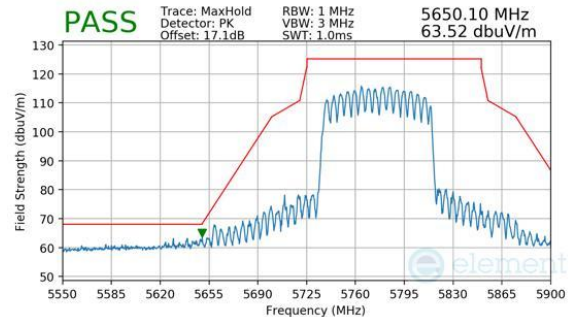
Plot 7-779. CDD (Peak & Average, RU996, Index 67, Ch.58, MCS11)



Plot 7-782. CDD (Peak, RU996, Index 67, Ch.122, MCS11)

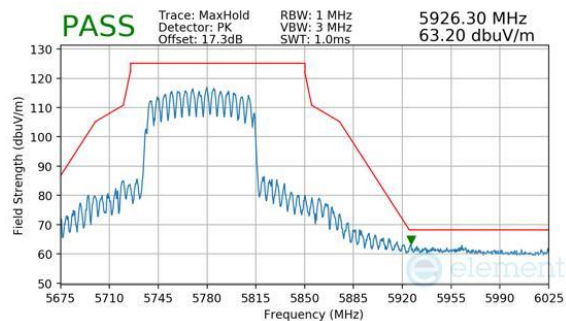


Plot 7-780. CDD (Peak & Average, RU996, Index 67, Ch.106, MCS11)



Plot 7-783. CDD (Peak, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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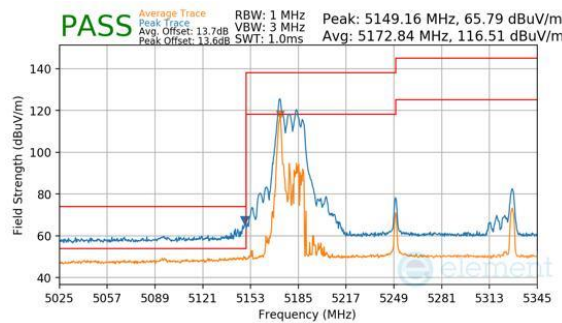
Plot 7-784. CDD (Peak, RU996, Index 67, Ch.155, MCS11)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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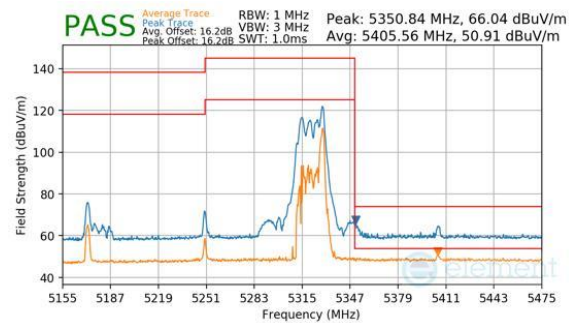
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7.6.13 CDD Radiated Band Edge Measurements (160MHz BW)

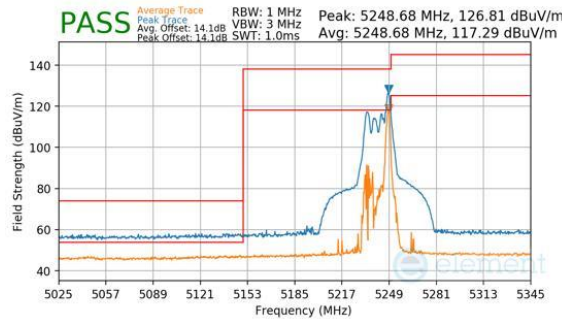
RU26



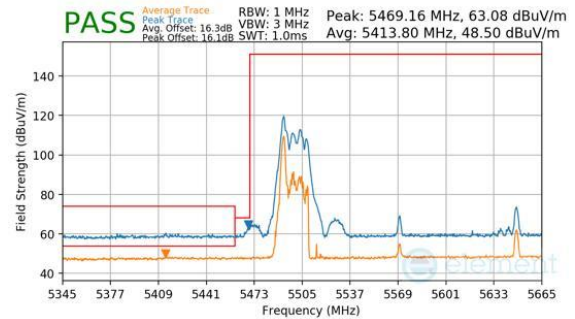
Plot 7-785. CDD (Peak & Average, RU26, Index 0, Ch.50, MCS11)



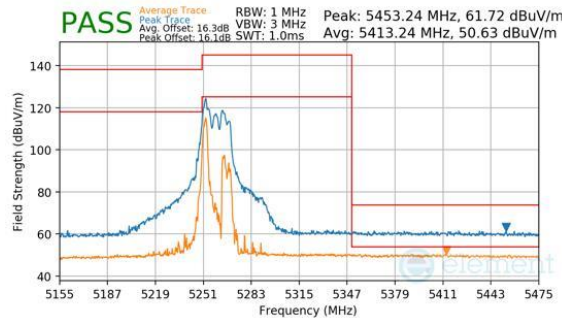
Plot 7-788. CDD (Peak & Average, RU26, Index 36, Ch.50, MCS11)



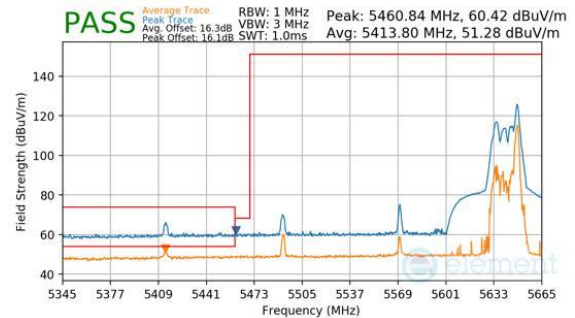
Plot 7-786. CDD (Peak & Average, RU26, Index 36, Ch.50, MCS11)



Plot 7-789. CDD (Peak & Average, RU26, Index 0 (L), Ch.114, MCS11)



Plot 7-787. CDD (Peak & Average, RU26, Index 0, Ch.50, MCS11)

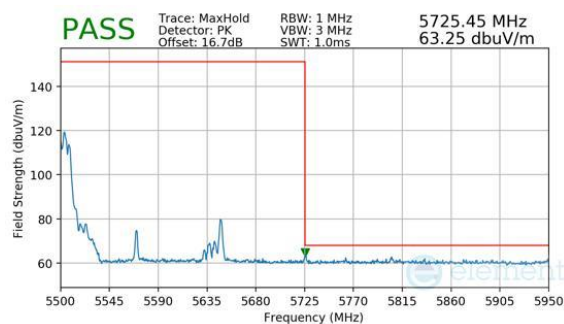


Plot 7-790. CDD (Peak & Average, RU26, Index 36 (H), Ch.114, MCS11)

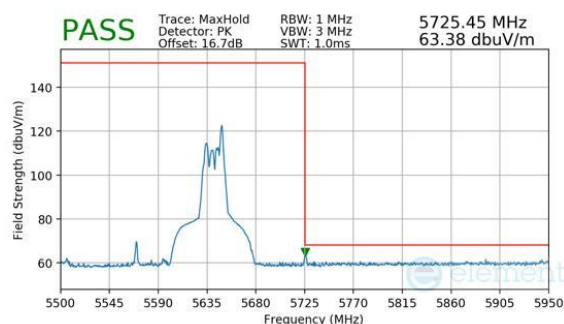
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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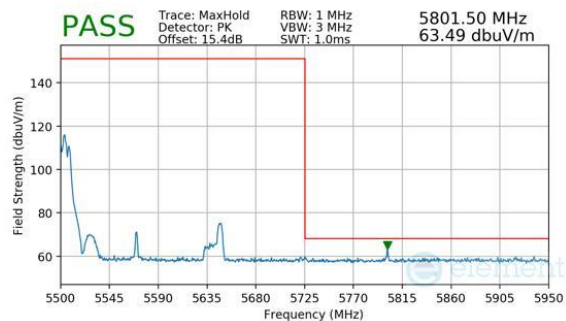
Plot 7-791. CDD (Peak, RU26, Index 0 (L), Ch.114, MCS11)



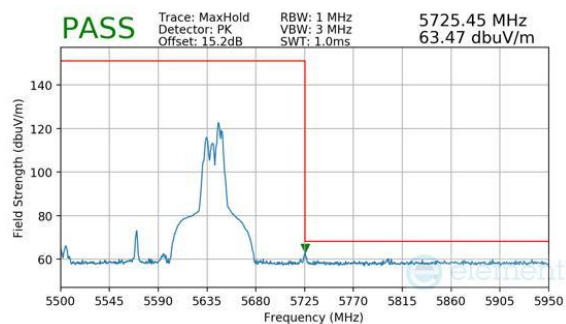
Plot 7-792. CDD (Peak, RU26, Index 36 (H), Ch.114, MCS11)

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Plot 7-799. CDD (Peak, RU52, Index 37 (L), Ch.114, MCS11)

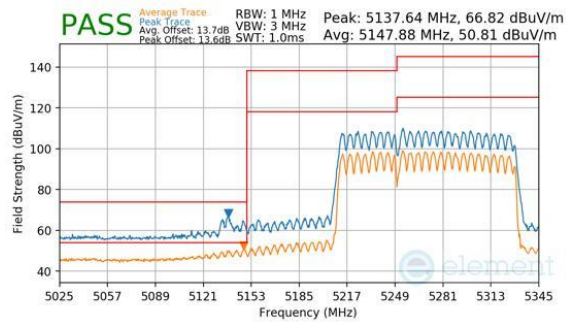


Plot 7-800. CDD (Peak, RU52, Index 52 (H), Ch.114, MCS11)

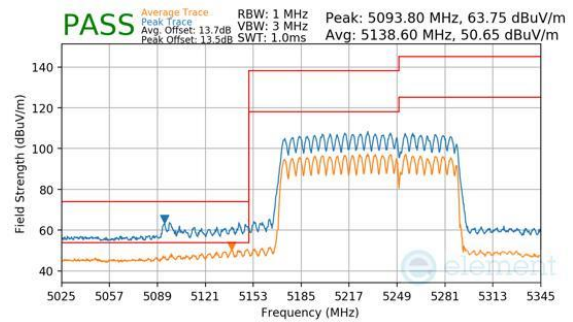
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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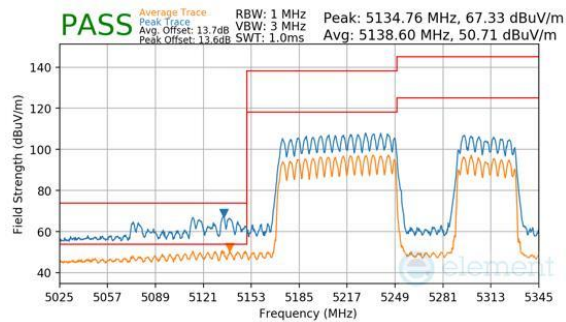
MRU



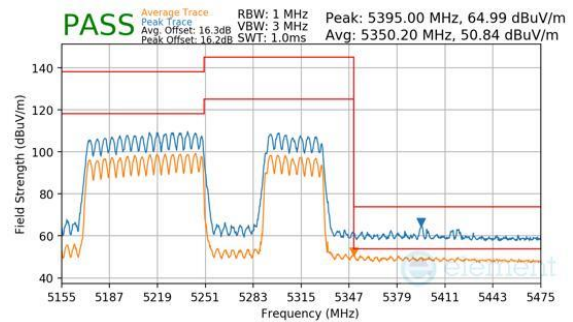
Plot 7-801. CDD (Peak & Average, RU996+484, Index 94 (L), Ch.50, MCS11)



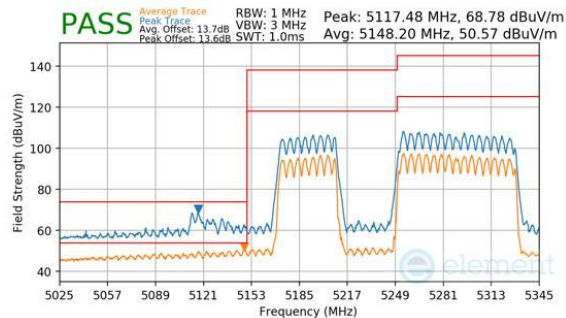
Plot 7-804. CDD (Peak & Average, RU996+484, Index 95 (H), Ch.50, MCS11)



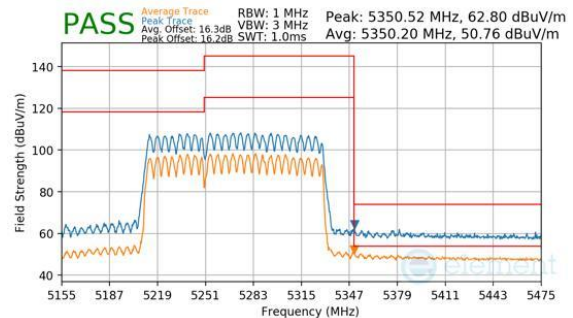
Plot 7-802. CDD (Peak & Average, RU996+484, Index 94 (H), Ch.50, MCS11)



Plot 7-805. CDD (Peak & Average, RU996+484, Index 94 (H), Ch.50, MCS11)



Plot 7-803. CDD (Peak & Average, RU996+484, Index 95 (L), Ch.50, MCS11)

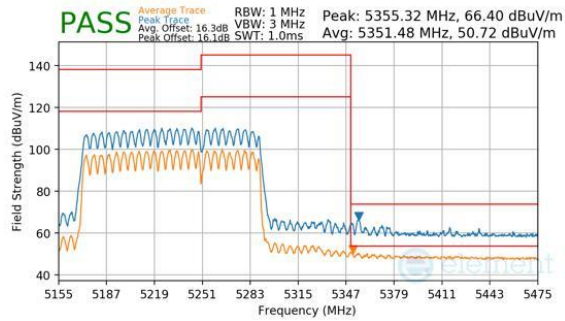


Plot 7-806. CDD (Peak & Average, RU996+484, Index 94 (L), Ch.50, MCS11)

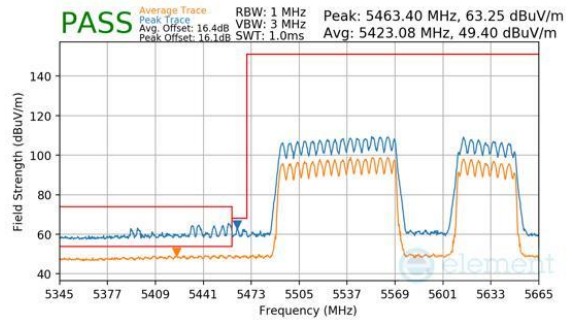
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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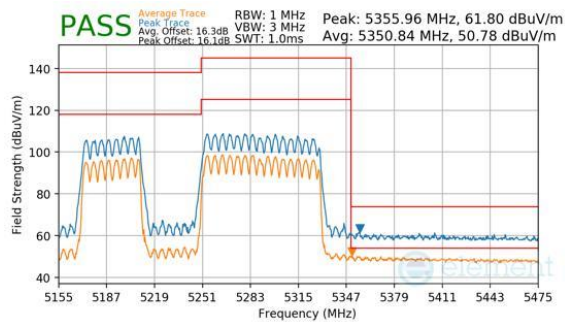
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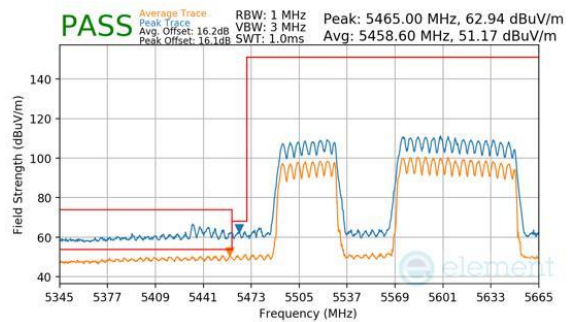
Plot 7-807. CDD (Peak & Average, RU996+484, Index 95 (H), Ch.50, MCS11)



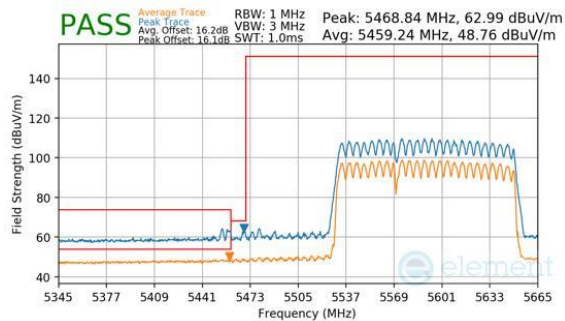
Plot 7-810. CDD (Peak & Average, RU996+484, Index 94 (H), Ch.114, MCS11)



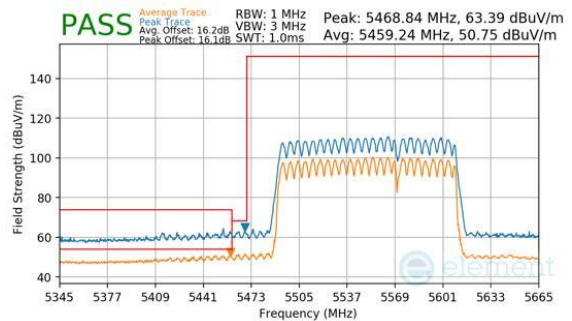
Plot 7-808. CDD (Peak & Average, RU996+484, Index 95 (L), Ch.50, MCS11)



Plot 7-811. CDD (Peak & Average, RU996+484, Index 95 (L), Ch.114, MCS11)

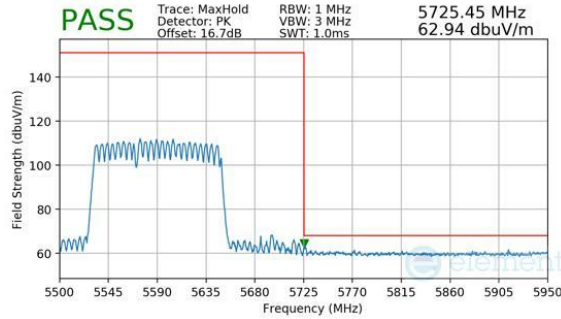


Plot 7-809. CDD (Peak & Average, RU996+484, Index 94 (L), Ch.114, MCS11)

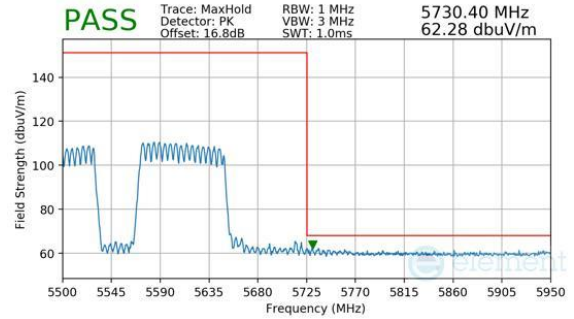


Plot 7-812. CDD (Peak & Average, RU996+484, Index 95 (H), Ch.114, MCS11)

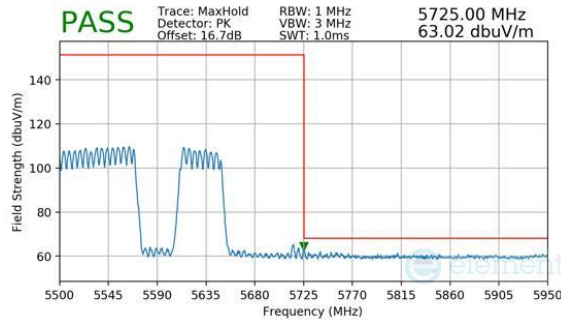
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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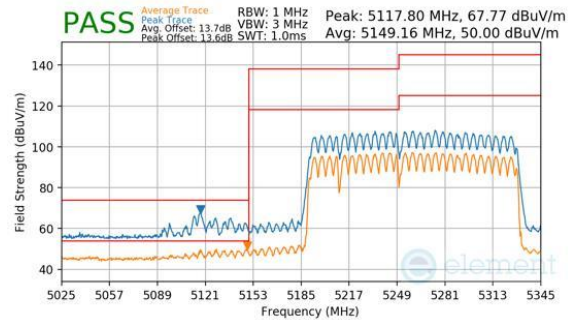
Plot 7-813. CDD (Peak, RU996+484, Index 94 (L), Ch.114, MCS11)



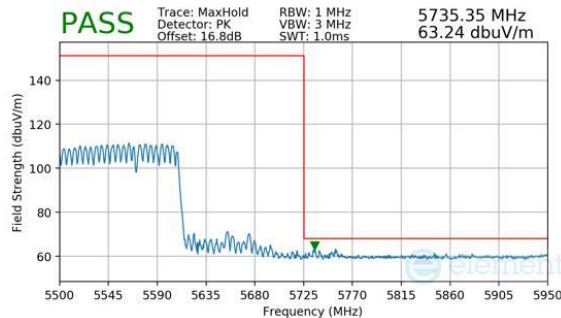
Plot 7-816. CDD (Peak, RU996+484, Index 95 (L), Ch.114, MCS11)



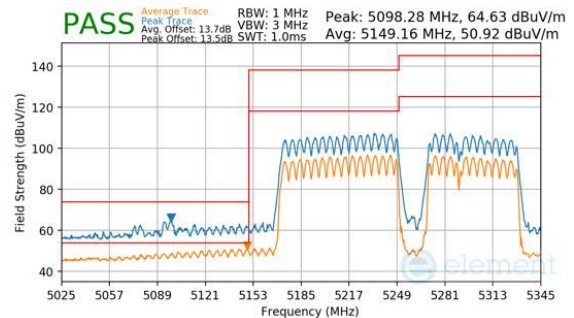
Plot 7-814. CDD (Peak, RU996+484, Index 94 (H), Ch.114, MCS11)



Plot 7-817. CDD (Peak & Average, RU996+484+242, Index 96 (L), Ch.50, MCS11)

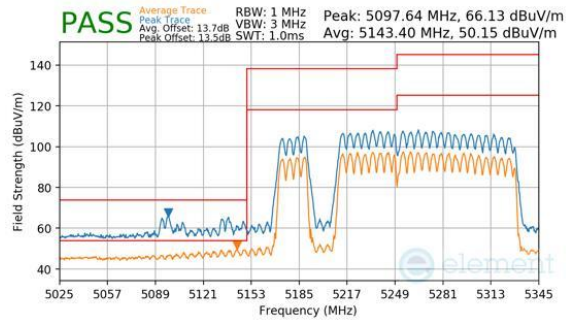


Plot 7-815. CDD (Peak, RU996+484, Index 95 (H), Ch.114, MCS11)

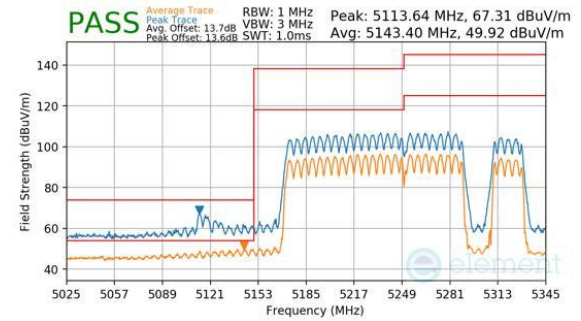


Plot 7-818. CDD (Peak & Average, RU996+484+242, Index 96 (H), Ch.50, MCS11)

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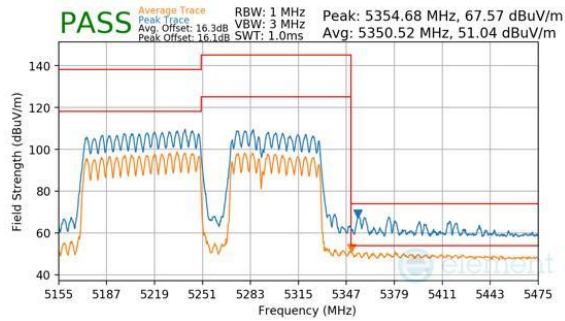
Plot 7-819. CDD (Peak & Average, RU996+484+242, Index 97 (L), Ch.50, MCS11)



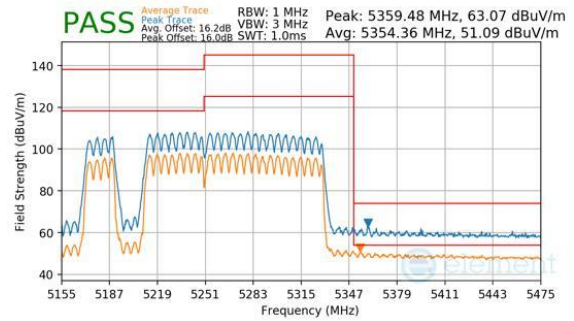
**Plot 7-820. CDD (Peak & Average, RU996+484+242, Index 97 (H),
Ch.50, MCS11)**

**Plot 7-822. CDD (Peak & Average, RU996+484+242, Index 98 (H),
Ch.50, MCS11)**

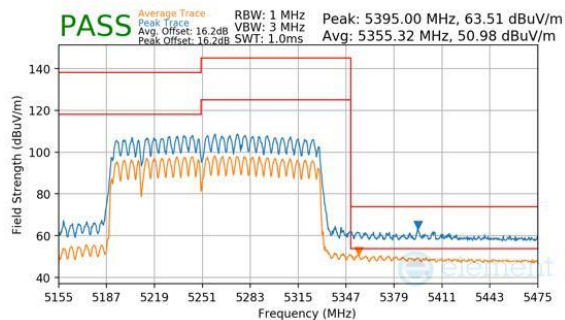
Plot 7-823. CDD (Peak & Average, RU996+484+242, Index 99 (L), Ch.50, MCS11)



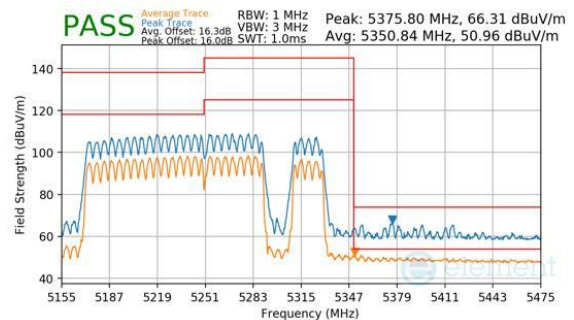
Plot 7-825. CDD (Peak & Average, RU996+484+242, Index 96 (H), Ch.50, MCS11)



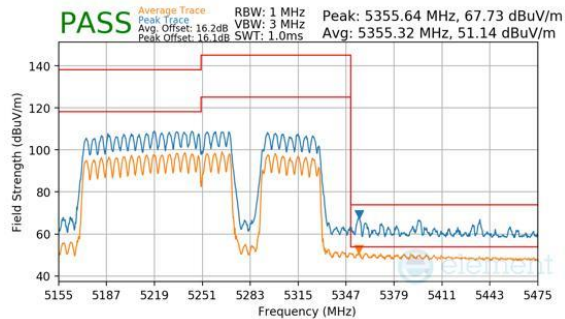
Plot 7-828. CDD (Peak & Average, RU996+484+242, Index 97 (L), Ch.50, MCS11)



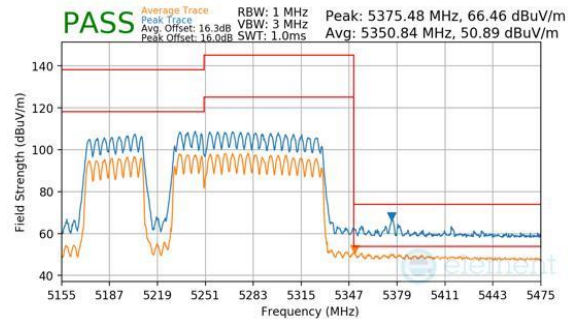
Plot 7-826. CDD (Peak & Average, RU996+484+242, Index 96 (L), Ch.50, MCS11)



Plot 7-829. CDD (Peak & Average, RU996+484+242, Index 98 (H), Ch.50, MCS11)

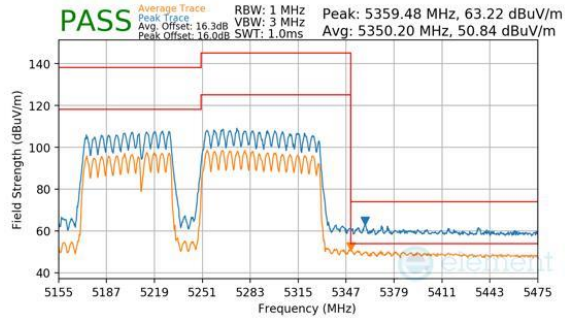


Plot 7-827. CDD (Peak & Average, RU996+484+242, Index 97 (H), Ch.50, MCS11)

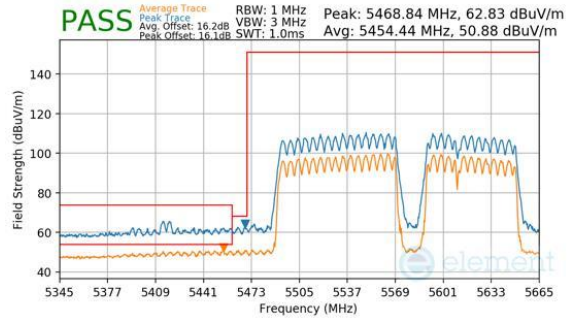


Plot 7-830. CDD (Peak & Average, RU996+484+242, Index 98 (L), Ch.50, MCS11)

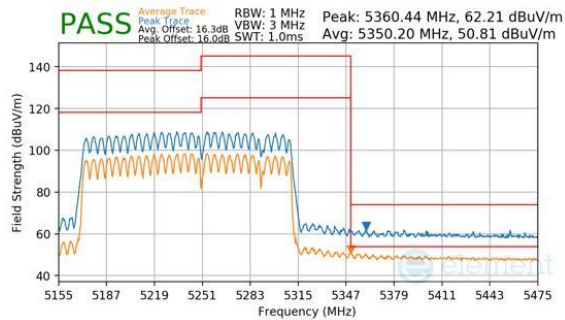
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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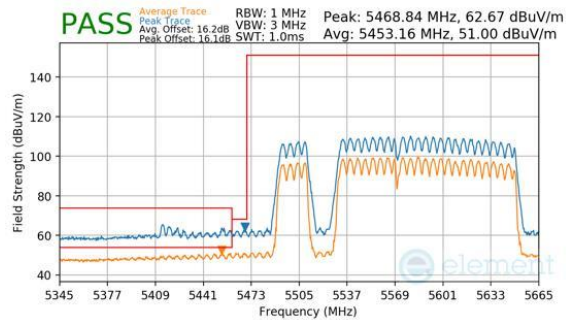
Plot 7-831. CDD (Peak & Average, RU996+484+242, Index 99 (L), Ch.50, MCS11)



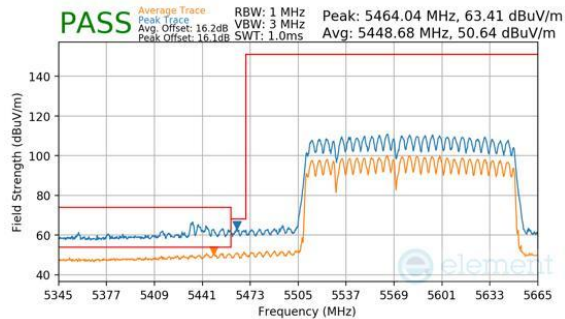
Plot 7-834. CDD (Peak & Average, RU996+484+242, Index 96 (H), Ch.114, MCS11)



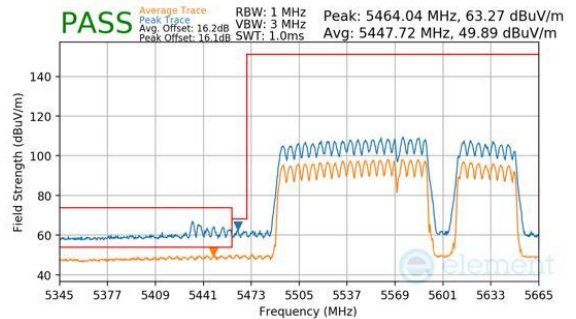
Plot 7-832. CDD (Peak & Average, RU996+484+242, Index 99 (H), Ch.50, MCS11)



Plot 7-835. CDD (Peak & Average, RU996+484+242, Index 97 (L), Ch.114, MCS11)

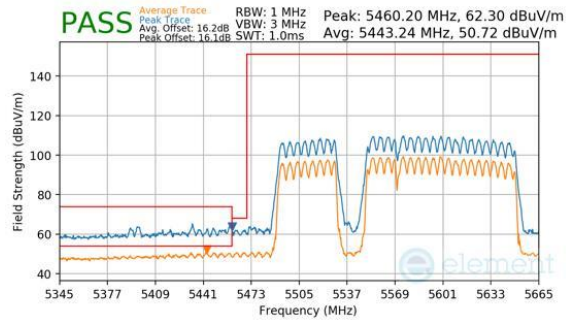


Plot 7-833. CDD (Peak & Average, RU996+484+242, Index 96 (L), Ch.114, MCS11)

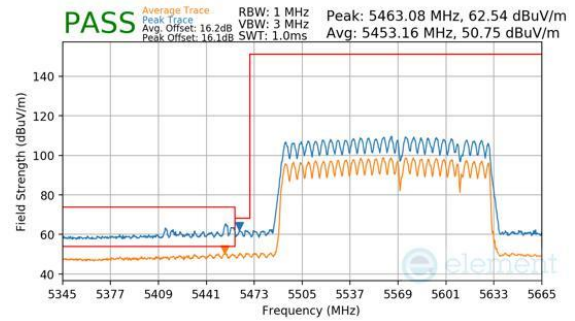


Plot 7-836. CDD (Peak & Average, RU996+484+242, Index 97 (H), Ch.114, MCS11)

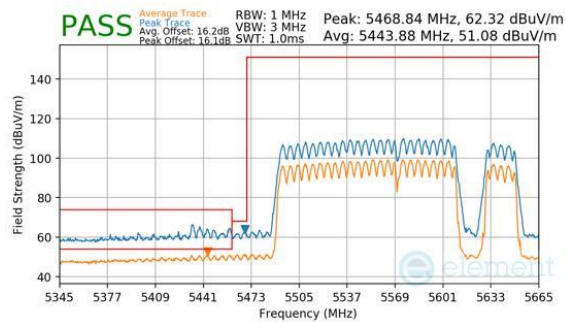
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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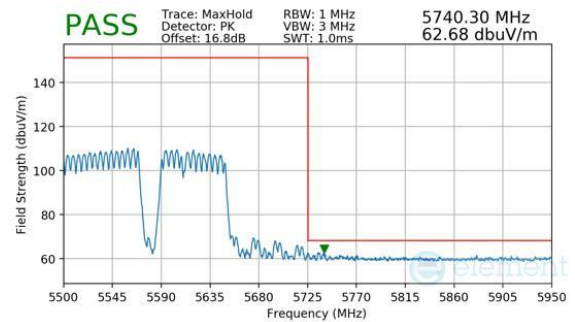
Plot 7-837. CDD (Peak & Average, RU996+484+242, Index 98 (L), Ch.114, MCS11)



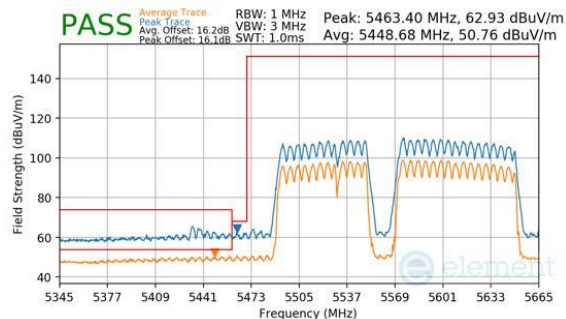
Plot 7-840. CDD (Peak & Average, RU996+484+242, Index 99 (H), Ch.114, MCS11)



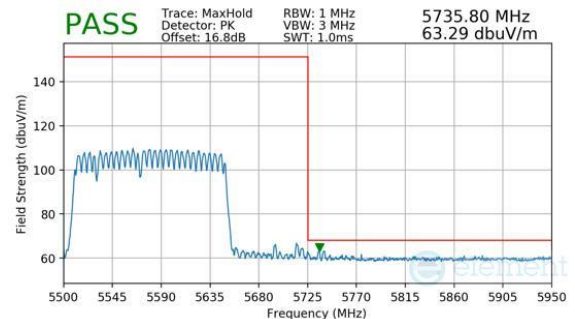
Plot 7-838. CDD (Peak & Average, RU996+484+242, Index 98 (H), Ch.114, MCS11)



Plot 7-841. CDD (Peak, RU996+484+242, Index 96 (H), Ch.114, MCS11)

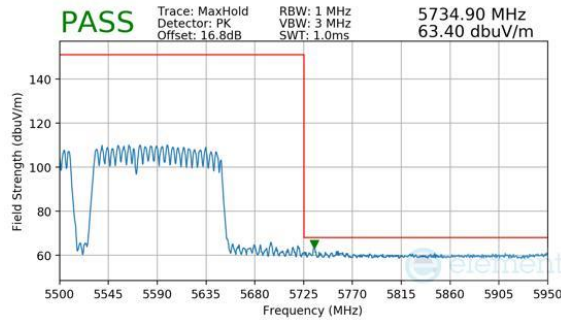


Plot 7-839. CDD (Peak & Average, RU996+484+242, Index 99 (L), Ch.114, MCS11)

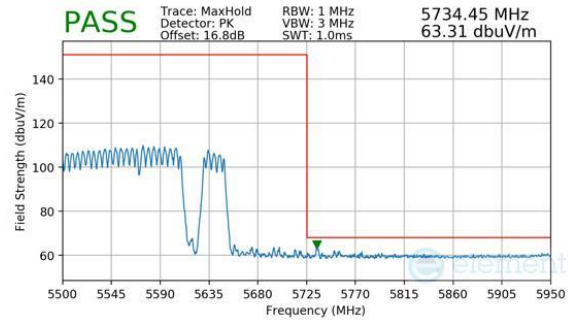


Plot 7-842. CDD (Peak, RU996+484+242, Index 96 (L), Ch.114, MCS11)

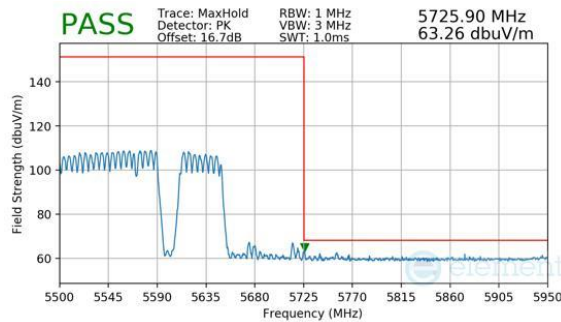
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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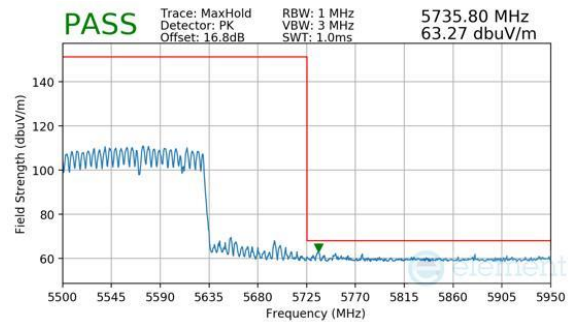
Plot 7-843. CDD (Peak, RU996+484+242, Index 97 (L), Ch.114, MCS11)



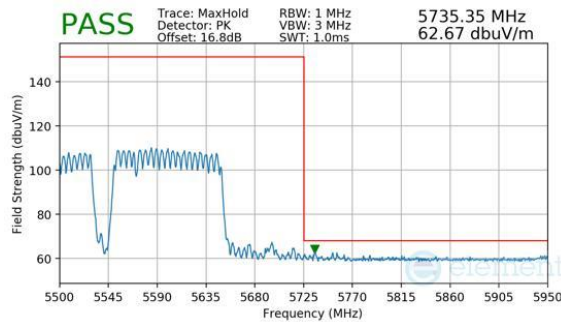
Plot 7-846. CDD (Peak, RU996+484+242, Index 98 (H), Ch.114, MCS11)



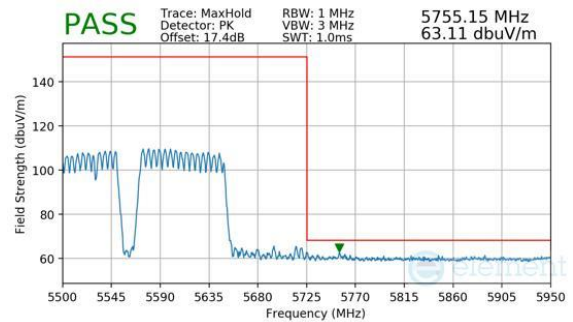
Plot 7-844. CDD (Peak, RU996+484+242, Index 97 (H), Ch.114, MCS11)



Plot 7-847. CDD (Peak, RU996+484+242, Index 99 (H), Ch.114, MCS11)



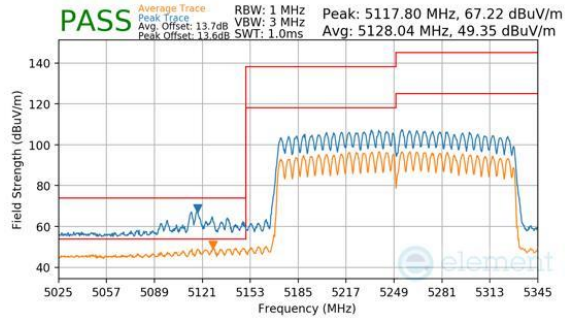
Plot 7-845. CDD (Peak, RU996+484+242, Index 98 (L), Ch.114, MCS11)



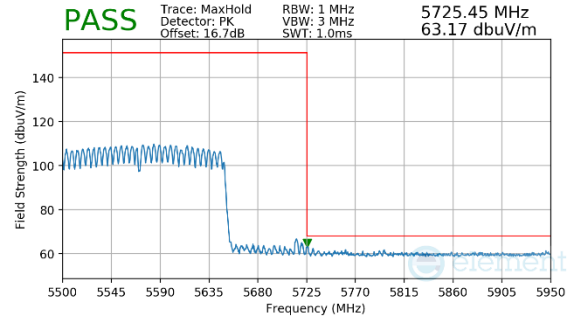
Plot 7-848. CDD (Peak, RU996+484+242, Index 99 (L), Ch.114, MCS11)

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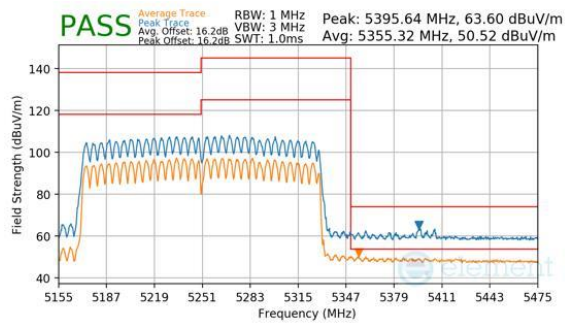
RU996X2



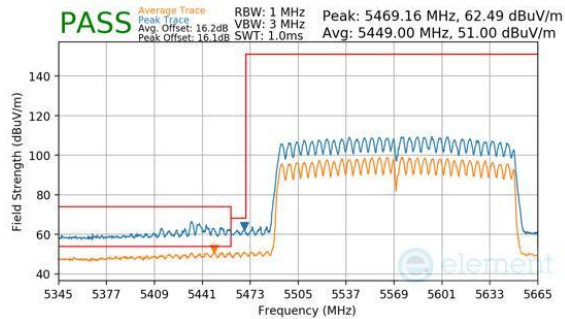
Plot 7-849. CDD (Peak & Average, RU996X2, Index 68, Ch.50, MCS11)



Plot 7-852. CDD (Peak & Average, RU996X2, Index 68, Ch.114, MCS11)



Plot 7-850. CDD (Peak & Average, RU996X2, Index 68, Ch.50, MCS11)



Plot 7-851. CDD (Peak & Average, RU996X2, Index 68, Ch.114, MCS11)

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7.7 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-144 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 7-144. Radiated Limits

Test Procedures Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024

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

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Test Setup

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

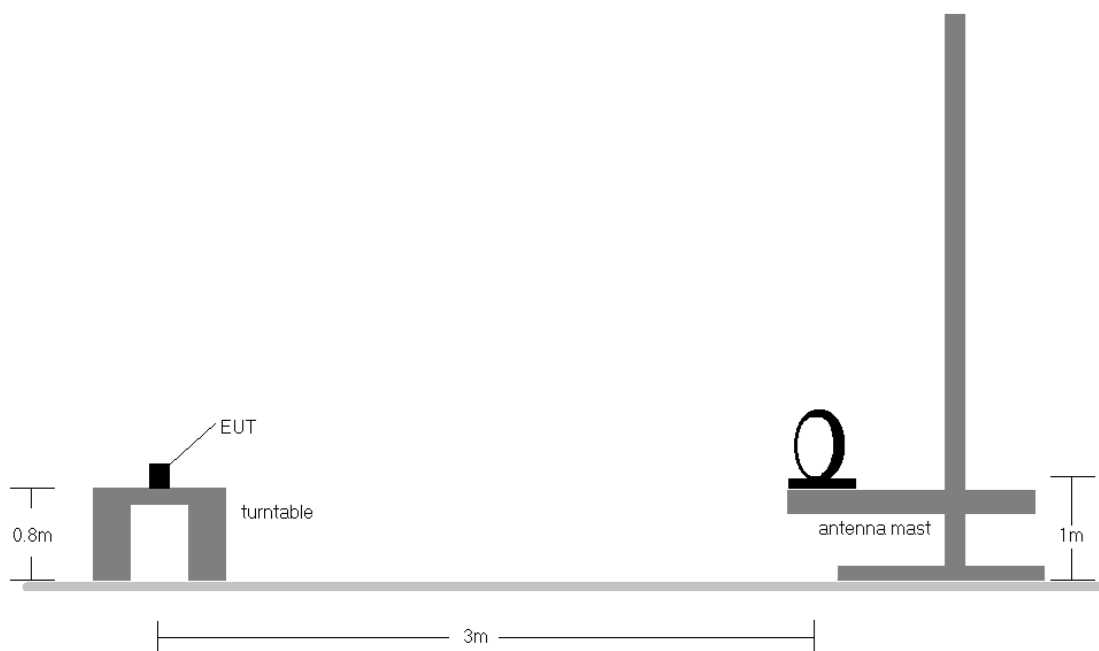


Figure 7-6. Radiated Test Setup < 30MHz

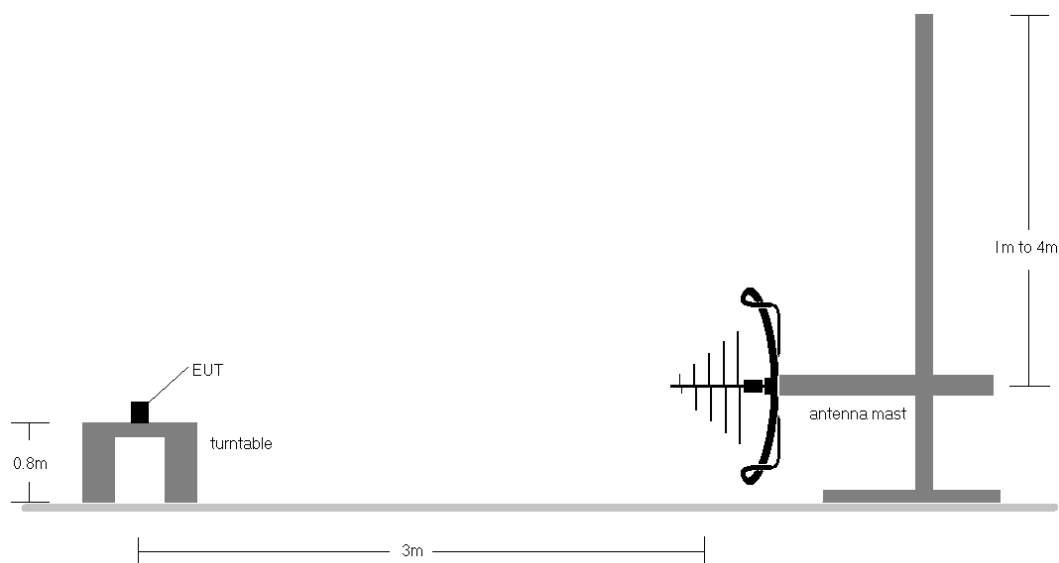


Figure 7-7. Radiated Test Setup < 1GHz

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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-144.
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

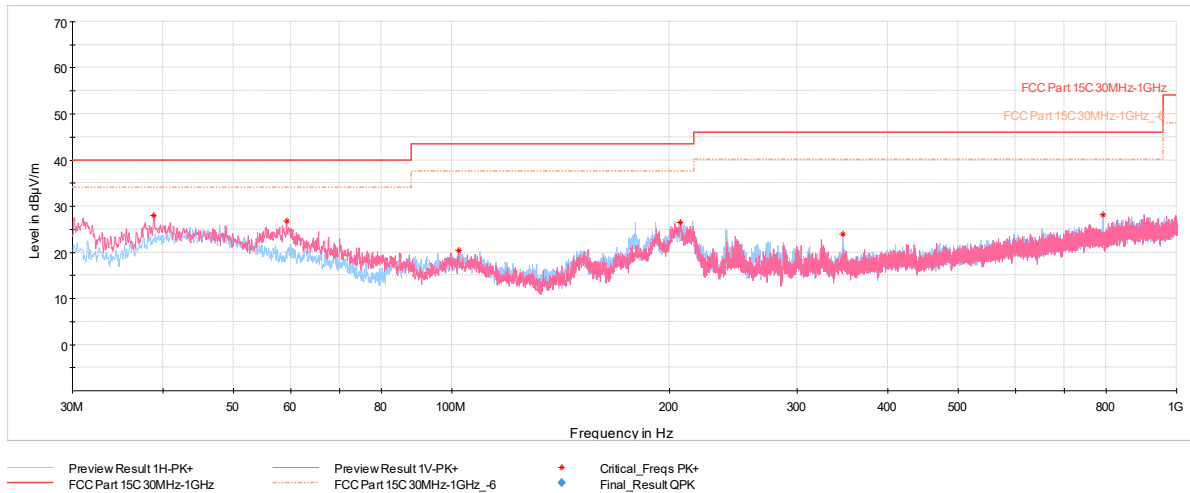
Determining Spurious Emissions Levels

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

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7.7.1 CDD Radiated Spurious Emissions (Below 1GHz)

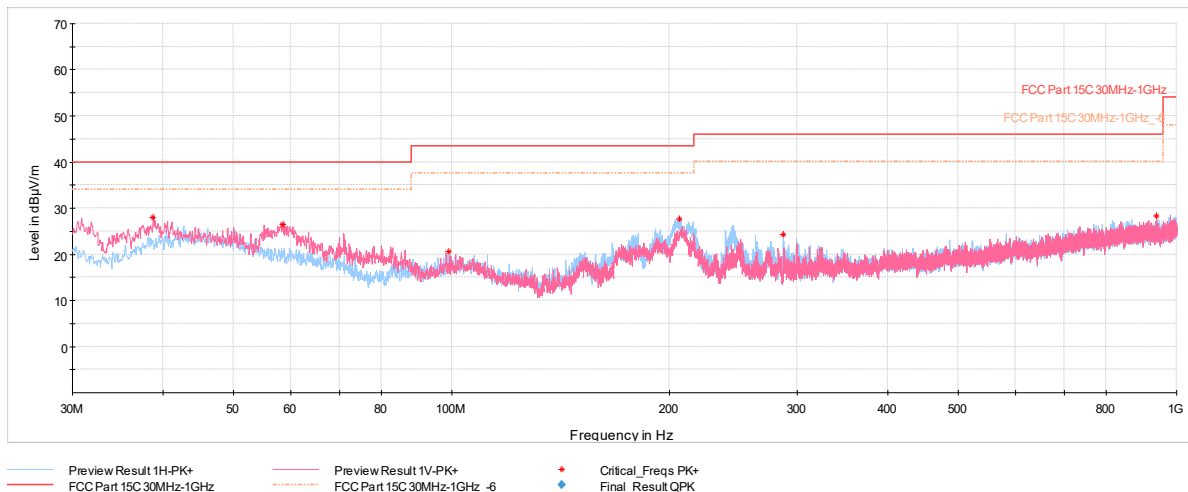


Plot 7-853. RSE Below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

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]
38.88	Max Peak	V	100	315	-62.42	-16.59	27.99	40.00	-12.01
59.25	Max Peak	V	100	205	-63.50	-16.70	26.80	40.00	-13.20
102.31	Max Peak	V	300	317	-68.79	-17.80	20.41	43.52	-23.11
206.64	Max Peak	V	100	3	-62.45	-18.14	26.41	43.52	-17.11
346.66	Max Peak	H	100	330	-69.25	-13.72	24.03	46.02	-21.99
790.77	Max Peak	H	100	125	-72.86	-5.97	28.17	46.02	-17.85

Table 7-145. RSE Below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

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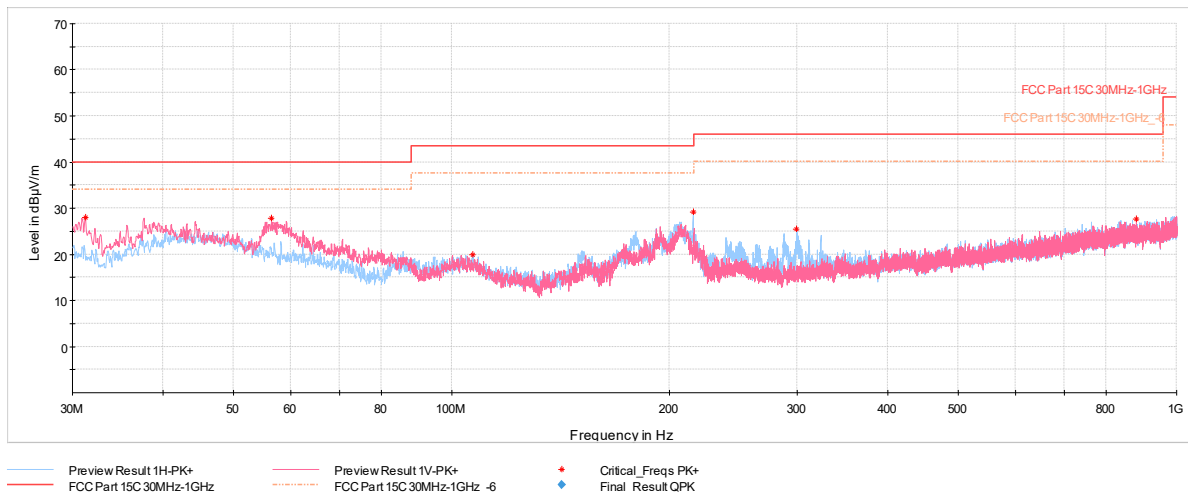


Plot 7-854. RSE Below 1GHz CDD (RU78 – Ch.40), with AC/DC Adapter

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]
38.78	Max Peak	V	100	338	-62.32	-16.63	28.05	40.00	-11.95
58.52	Max Peak	V	100	302	-64.10	-16.51	26.39	40.00	-13.61
99.06	Max Peak	H	300	56	-68.37	-17.96	20.67	43.52	-22.85
206.35	Max Peak	H	100	77	-61.27	-18.15	27.58	43.52	-15.94
286.86	Max Peak	H	100	332	-67.13	-15.62	24.25	46.02	-21.77
937.05	Max Peak	V	300	333	-74.51	-4.23	28.26	46.02	-17.76

Table 7-146. RSE Below 1GHz CDD (RU78 – Ch.40), with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-855. 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]
31.26	Max Peak	V	100	263	-59.72	-19.35	27.93	40.00	-12.07
56.43	Max Peak	V	100	47	-63.26	-15.96	27.78	40.00	-12.22
107.07	Max Peak	H	100	228	-69.00	-18.10	19.90	43.52	-23.62
215.37	Max Peak	H	100	228	-60.00	-17.81	29.19	43.52	-14.33
299.32	Max Peak	H	100	302	-66.12	-15.46	25.42	46.02	-20.60
880.01	Max Peak	V	300	119	-74.65	-4.62	27.73	46.02	-18.29

Table 7-147. RSE Below 1GHz CDD (RU242– Ch.40), with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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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 (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-148. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024, 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

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Test Setup

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

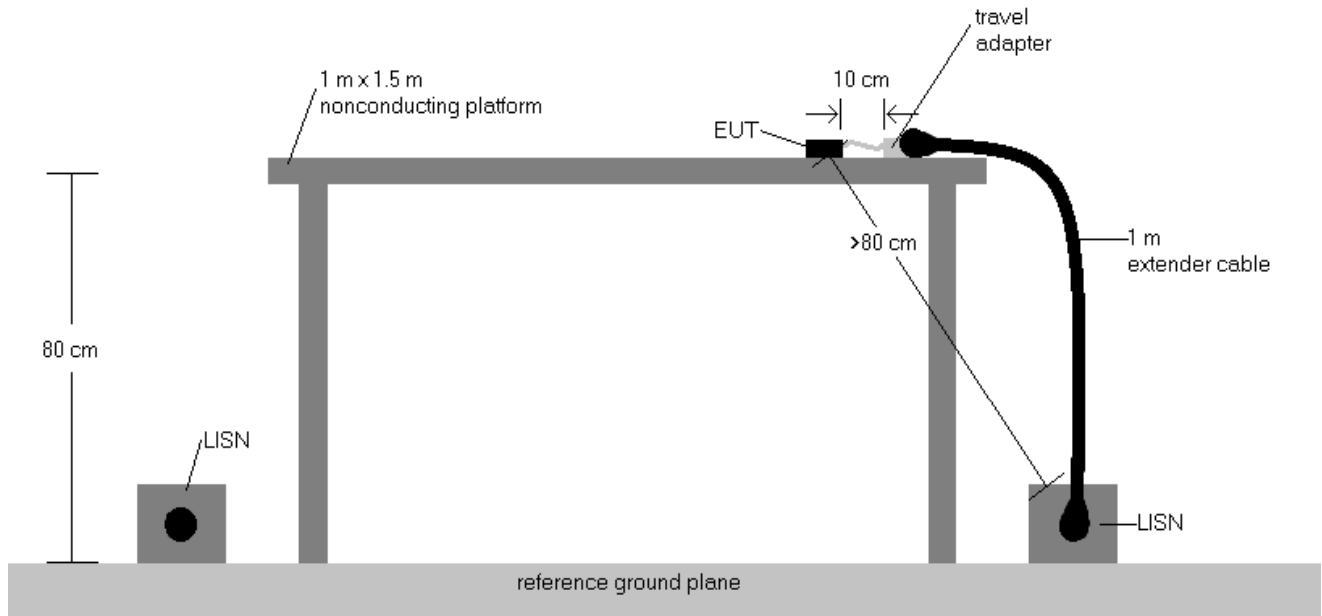


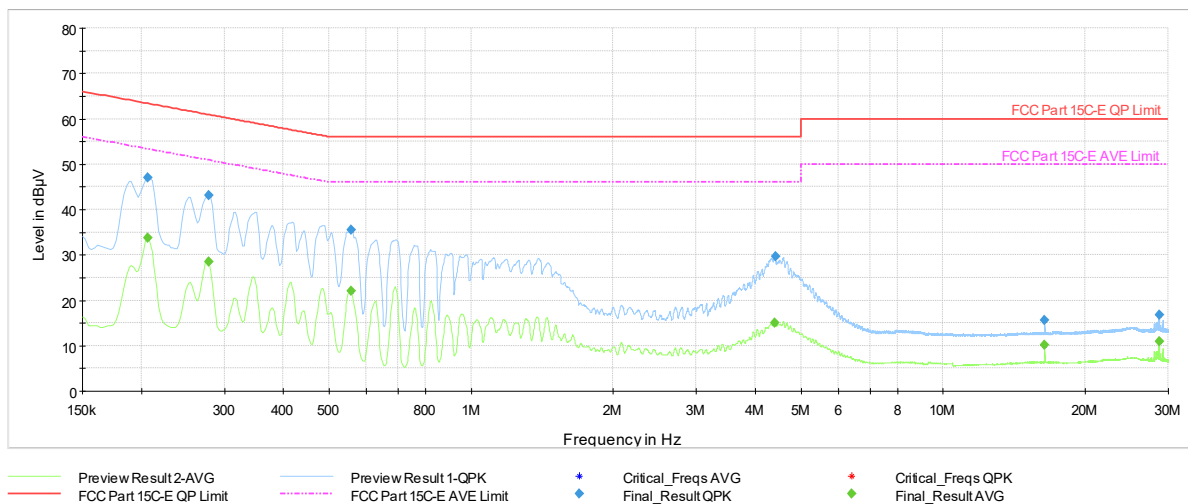
Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
4. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
6. $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.

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7.8.1 CDD AC Line Conducted Emissions Measurement

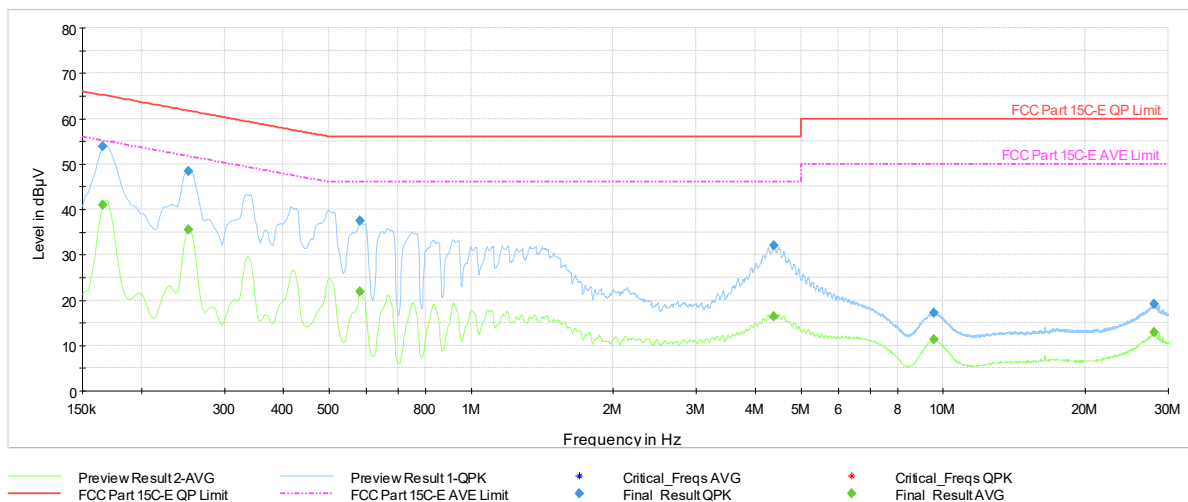


Plot 7-856. AC Line Conducted Plot with 11be CDD – RU26 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.206	FINAL	—	33.73	53.36	-19.62	L1	GND
0.206	FINAL	46.94	—	63.36	-16.42	L1	GND
0.278	FINAL	—	28.44	50.87	-22.43	L1	GND
0.278	FINAL	43.14	—	60.87	-17.73	L1	GND
0.557	FINAL	—	21.97	46.00	-24.03	L1	GND
0.557	FINAL	35.55	—	56.00	-20.45	L1	GND
4.405	FINAL	—	14.97	46.00	-31.03	L1	GND
4.409	FINAL	29.59	—	56.00	-26.41	L1	GND
16.429	FINAL	15.69	—	60.00	-44.31	L1	GND
16.429	FINAL	—	10.22	50.00	-39.78	L1	GND
28.687	FINAL	—	10.97	50.00	-39.03	L1	GND
28.687	FINAL	16.75	—	60.00	-43.25	L1	GND

Table 7-149. AC Line Conducted with 11be CDD – RU26 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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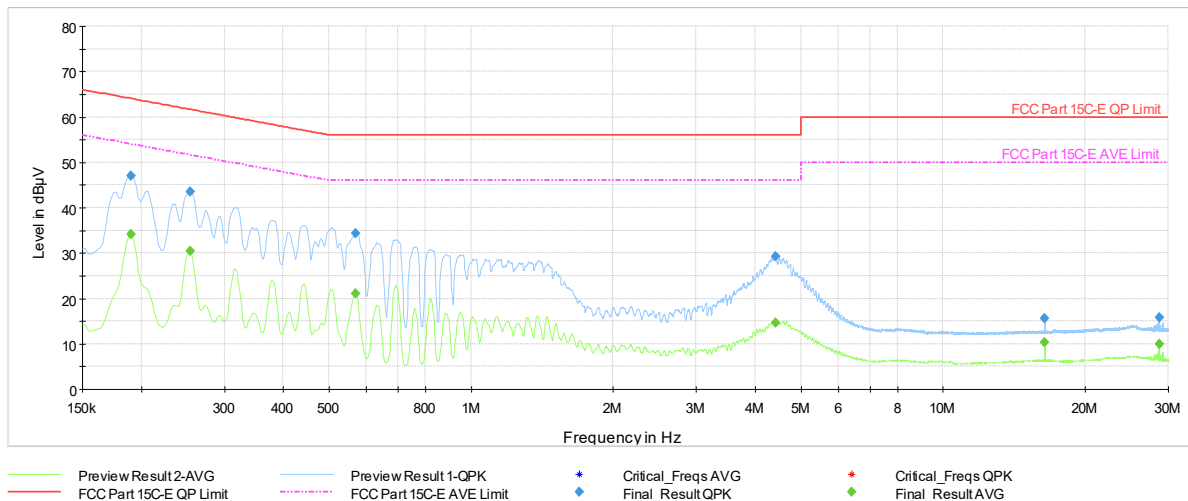


Plot 7-857. AC Line Conducted Plot with 11be CDD – RU26 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	41.00	55.17	-14.18	N	GND
0.166	FINAL	53.76	—	65.17	-11.41	N	GND
0.251	FINAL	—	35.58	51.72	-16.14	N	GND
0.251	FINAL	48.35	—	61.72	-13.36	N	GND
0.582	FINAL	37.37	—	56.00	-18.63	N	GND
0.582	FINAL	—	21.76	46.00	-24.24	N	GND
4.371	FINAL	32.01	—	56.00	-23.99	N	GND
4.371	FINAL	—	16.48	46.00	-29.52	N	GND
9.557	FINAL	—	11.24	50.00	-38.76	N	GND
9.566	FINAL	17.10	—	60.00	-42.90	N	GND
28.030	FINAL	19.03	—	60.00	-40.97	N	GND
28.032	FINAL	—	12.93	50.00	-37.07	N	GND

Table 7-150. AC Line Conducted with 11be CDD – RU26 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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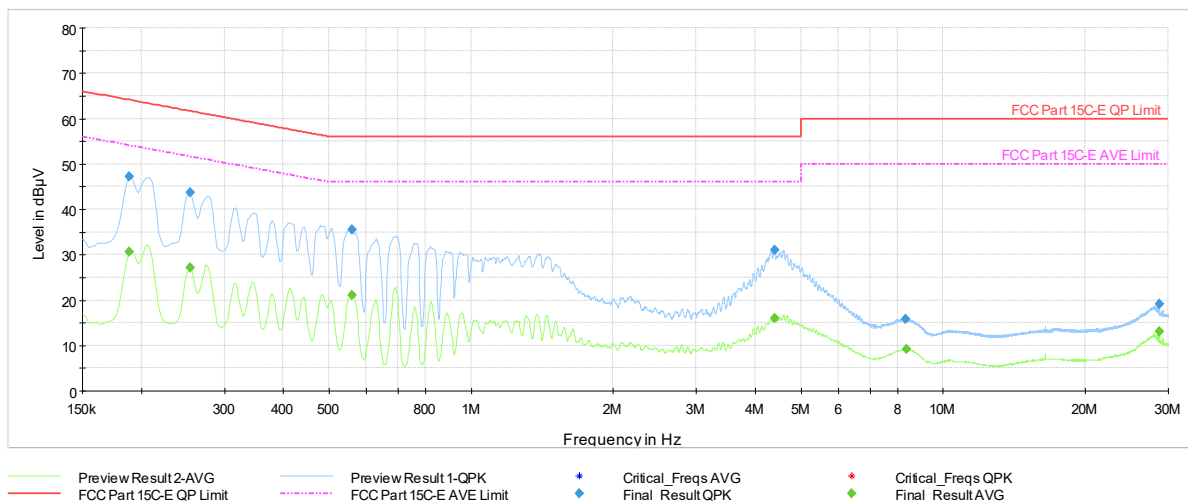


Plot 7-858. AC Line Conducted Plot with 11be CDD – RU78 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.191	FINAL	—	34.21	54.02	-19.80	L1	GND
0.191	FINAL	46.97	—	64.02	-17.04	L1	GND
0.254	FINAL	—	30.43	51.64	-21.21	L1	GND
0.254	FINAL	43.44	—	61.64	-18.20	L1	GND
0.569	FINAL	—	21.14	46.00	-24.86	L1	GND
0.569	FINAL	34.44	—	56.00	-21.56	L1	GND
4.423	FINAL	29.19	—	56.00	-26.81	L1	GND
4.423	FINAL	—	14.68	46.00	-31.32	L1	GND
16.433	FINAL	15.58	—	60.00	-44.42	L1	GND
16.433	FINAL	—	10.28	50.00	-39.72	L1	GND
28.687	FINAL	—	9.87	50.00	-40.13	L1	GND
28.687	FINAL	15.81	—	60.00	-44.19	L1	GND

Table 7-151. AC Line Conducted with 11be CDD – RU78 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-859. AC Line Conducted Plot with 11be CDD – RU78 – Ch.40 (N) with AC/DC Adapter

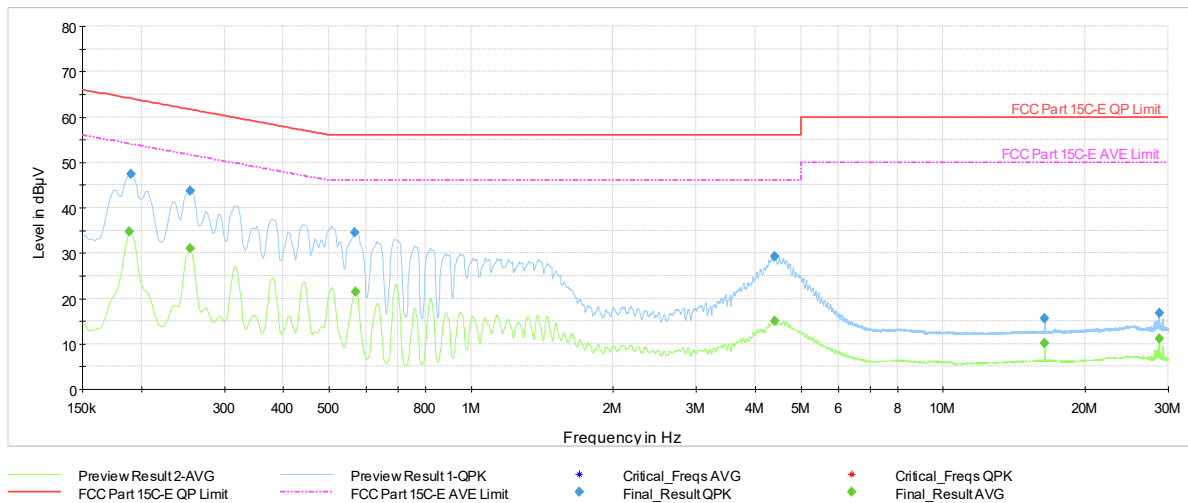
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.188	FINAL	—	30.61	54.11	-23.50	N	GND
0.188	FINAL	47.30	—	64.11	-16.81	N	GND
0.254	FINAL	—	27.19	51.64	-24.45	N	GND
0.254	FINAL	43.68	—	61.64	-17.96	N	GND
0.560	FINAL	—	21.12	46.00	-24.88	N	GND
0.560	FINAL	35.52	—	56.00	-20.48	N	GND
4.396	FINAL	—	15.98	46.00	-30.02	N	GND
4.398	FINAL	31.05	—	56.00	-24.95	N	GND
8.336	FINAL	15.89	—	60.00	-44.11	N	GND
8.351	FINAL	—	9.18	50.00	-40.82	N	GND
28.687	FINAL	—	13.14	50.00	-36.86	N	GND
28.687	FINAL	19.10	—	60.00	-40.90	N	GND

Table 7-152. AC Line Conducted with 11be CDD – RU78 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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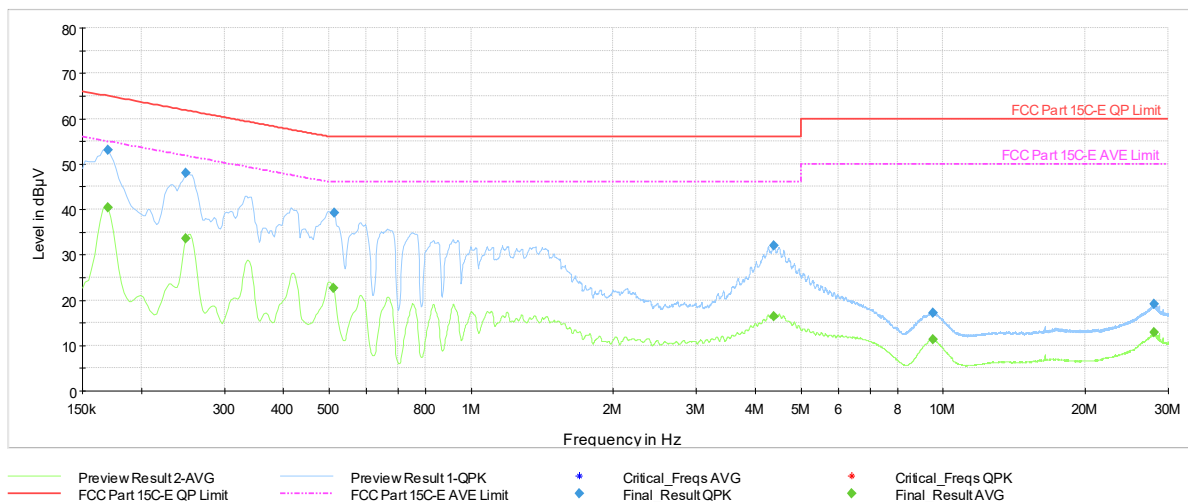


Plot 7-860. AC Line Conducted Plot with 11be CDD – RU242 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.188	FINAL	—	34.64	54.11	-19.48	L1	GND
0.191	FINAL	47.33	—	64.02	-16.69	L1	GND
0.254	FINAL	—	30.97	51.64	-20.67	L1	GND
0.254	FINAL	43.75	—	61.64	-17.89	L1	GND
0.566	FINAL	34.50	—	56.00	-21.50	L1	GND
0.569	FINAL	—	21.56	46.00	-24.44	L1	GND
4.405	FINAL	—	14.96	46.00	-31.04	L1	GND
4.407	FINAL	29.19	—	56.00	-26.81	L1	GND
16.431	FINAL	15.58	—	60.00	-44.42	L1	GND
16.433	FINAL	—	10.13	50.00	-39.87	L1	GND
28.687	FINAL	—	11.07	50.00	-38.93	L1	GND
28.687	FINAL	16.88	—	60.00	-43.12	L1	GND

Table 7-153. AC Line Conducted with 11be CDD – RU242 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-861. AC Line Conducted Plot with 11be 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	—	40.48	54.95	-14.47	N	GND
0.170	FINAL	52.99	—	64.95	-11.96	N	GND
0.249	FINAL	—	33.64	51.79	-18.15	N	GND
0.249	FINAL	47.93	—	61.79	-13.86	N	GND
0.510	FINAL	—	22.69	46.00	-23.31	N	GND
0.512	FINAL	39.13	—	56.00	-16.87	N	GND
4.385	FINAL	31.94	—	56.00	-24.06	N	GND
4.385	FINAL	—	16.47	46.00	-29.53	N	GND
9.526	FINAL	17.20	—	60.00	-42.80	N	GND
9.528	FINAL	—	11.26	50.00	-38.74	N	GND
28.032	FINAL	—	12.83	50.00	-37.17	N	GND
28.032	FINAL	19.03	—	60.00	-40.97	N	GND

Table 7-154. AC Line Conducted with 11be CDD – RU242 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3459** and **IC: 579C-A3459** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

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