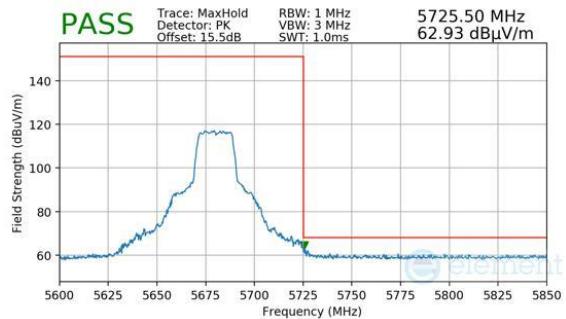
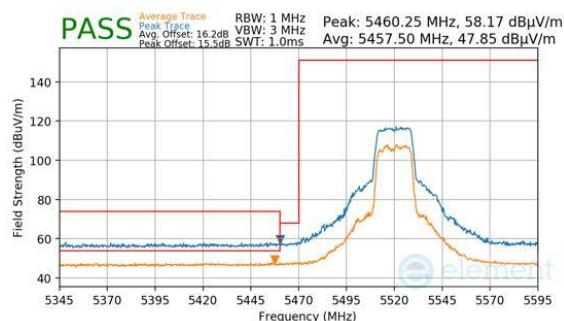


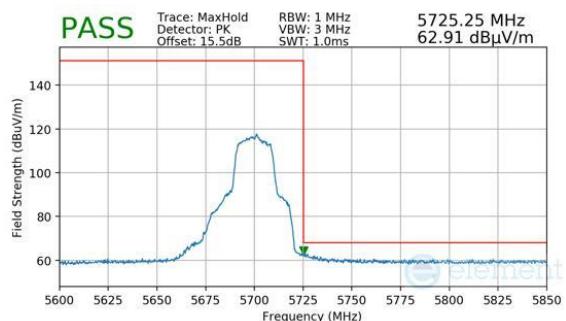
Plot 7-1645. CDD DIVERSITY (PK & AVG, CH.100, 802.11N, MCS15)



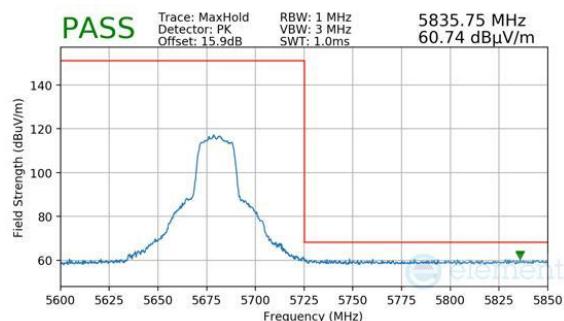
Plot 7-1648. CDD DIVERSITY (PK, CH.136, 802.11N, MCS15)



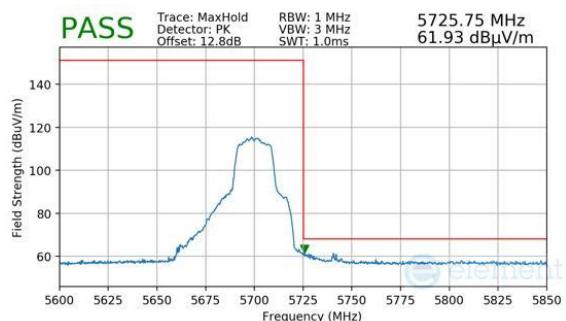
Plot 7-1646. CDD DIVERSITY (PK & AVG, CH.104, 802.11N, MCS15)



Plot 7-1649. CDD DIVERSITY (PK, CH.140, 802.11N, MCS10)



Plot 7-1647. CDD DIVERSITY (PK, CH.136, 802.11N, MCS12)



Plot 7-1650. CDD DIVERSITY (PK, CH.140, 802.11N, MCS12)

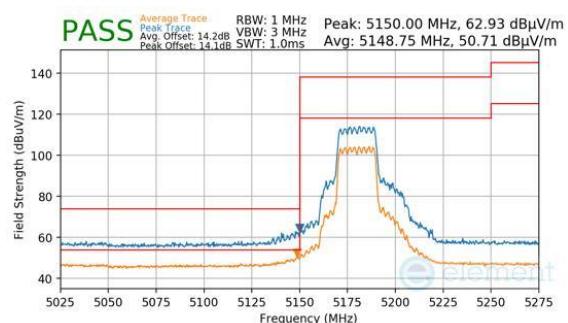
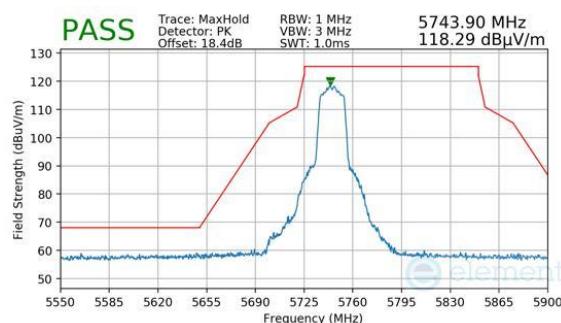
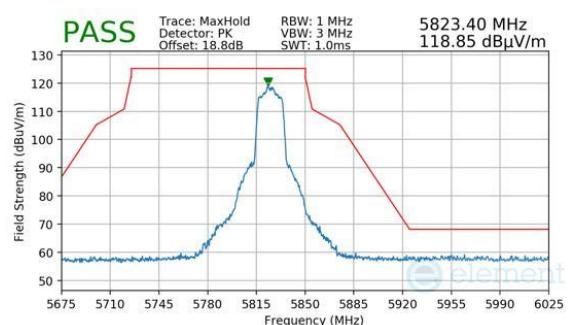
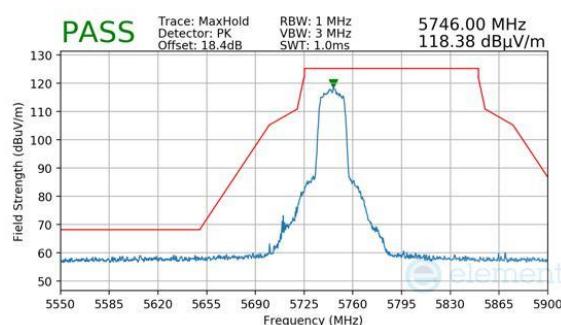
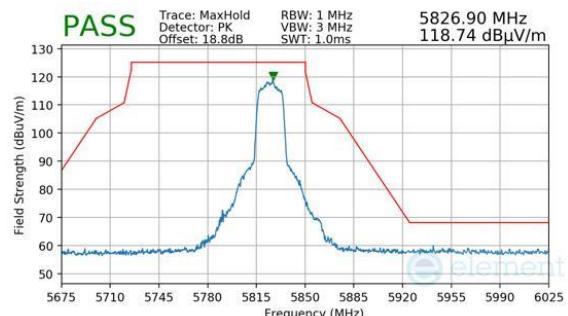
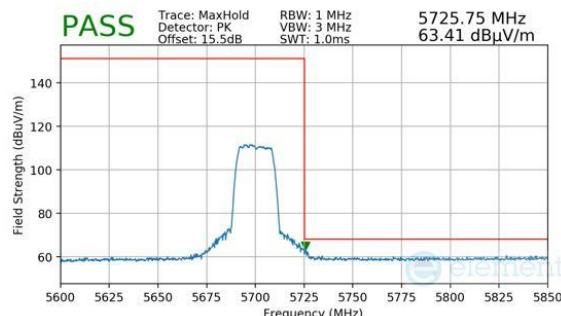
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		Test Dates: 11/29/2024 - 1/15/2024

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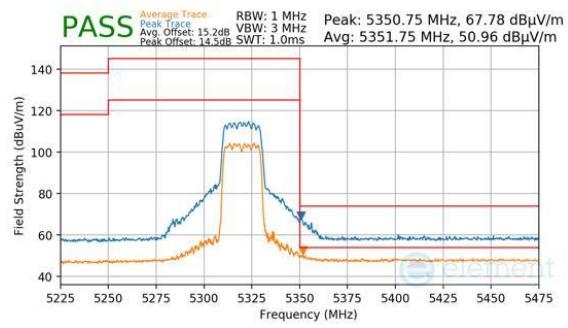
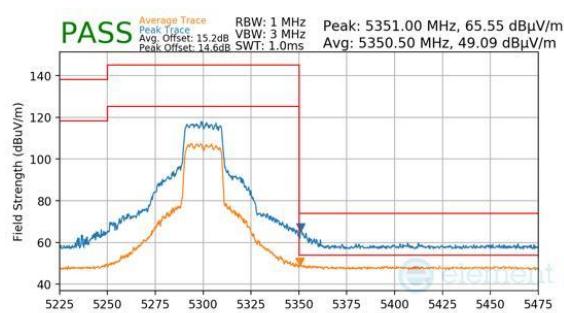
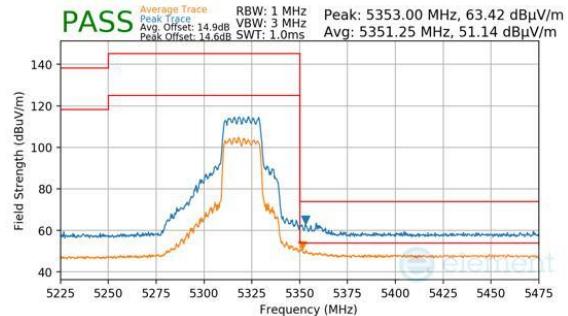
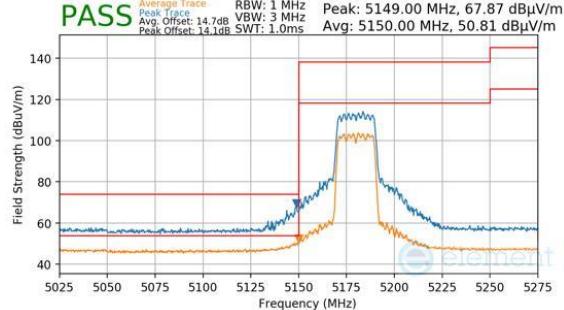
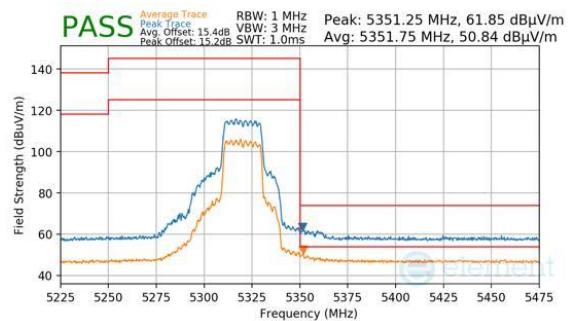
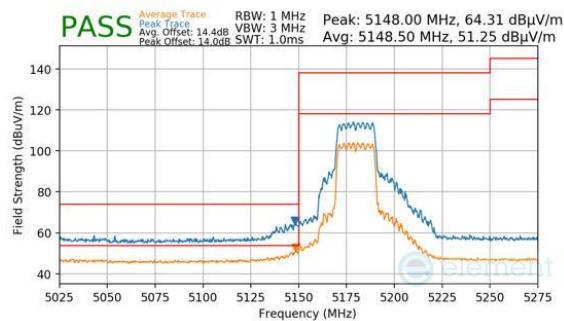
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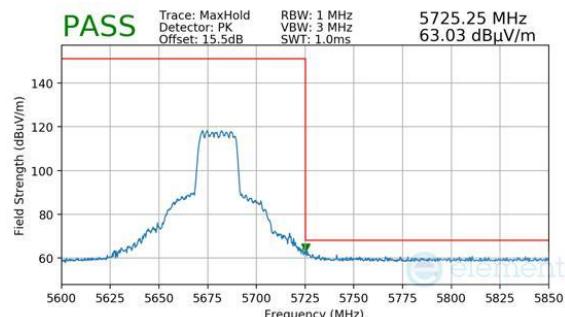
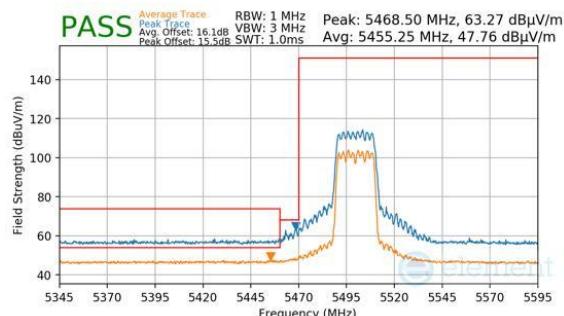
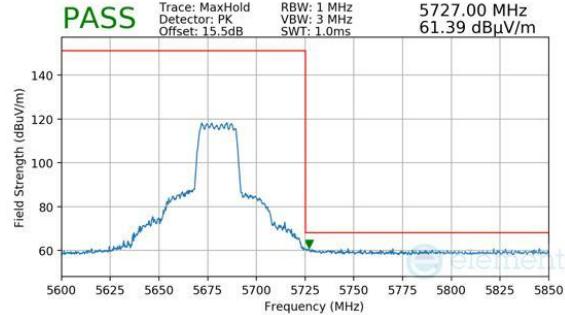
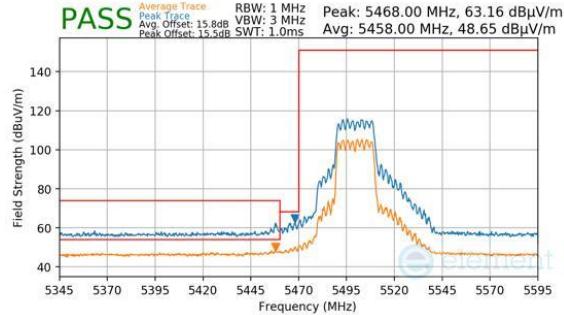
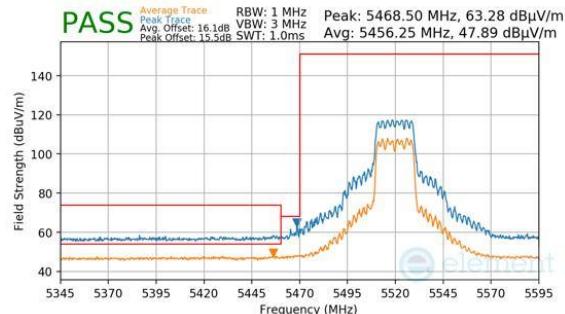
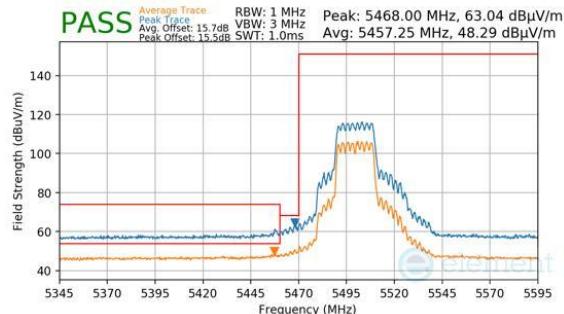
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		Test Dates: 11/29/2024 - 1/15/2024

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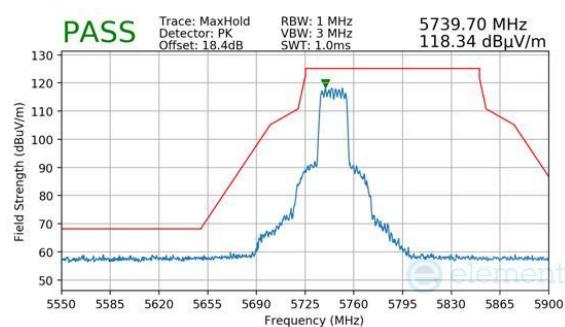
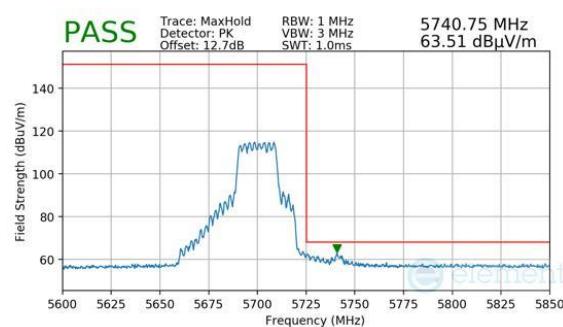
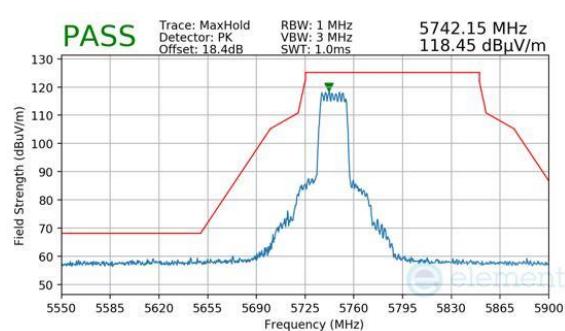
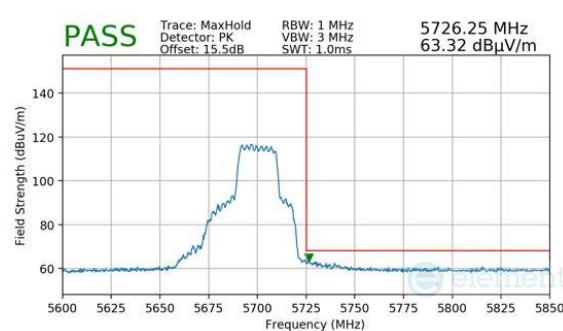
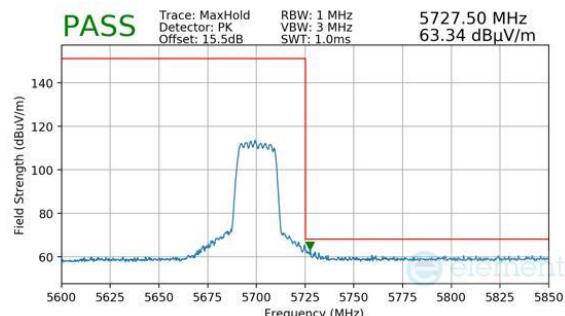
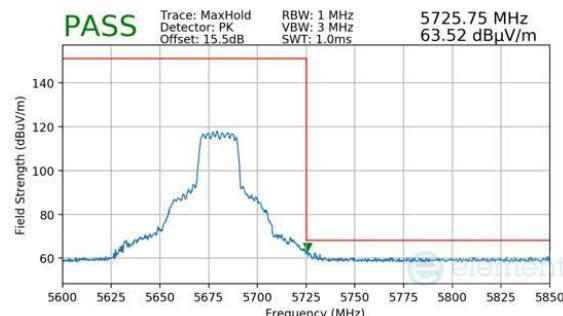
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Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Approved by: Technical Manager

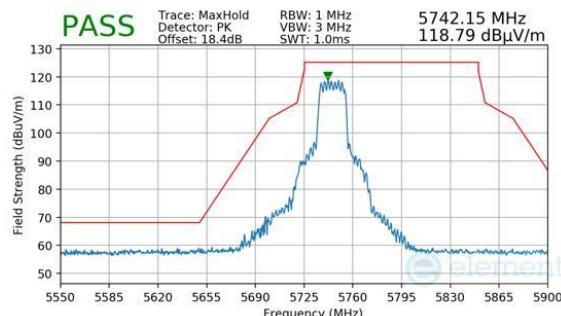
**MEASUREMENT REPORT
(CERTIFICATION)**

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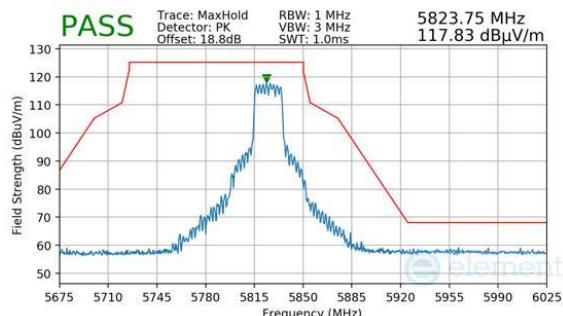
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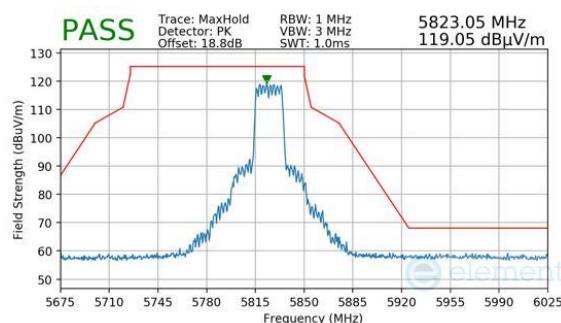
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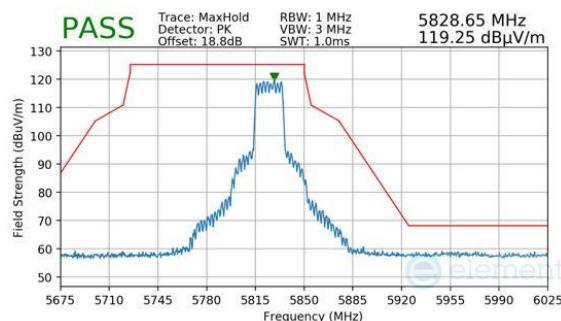
Plot 7-1675. CDD DIVERSITY (PK, CH.149, 802.11AX(SU), MCS11)



Plot 7-1678. CDD DIVERSITY (PK, CH.165, 802.11AX(SU), MCS11)



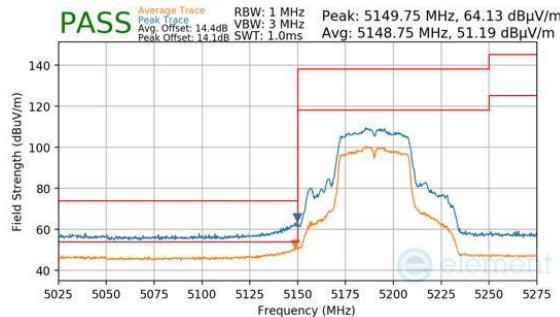
Plot 7-1676. CDD DIVERSITY (PK, CH.165, 802.11AX(SU), MCS2)



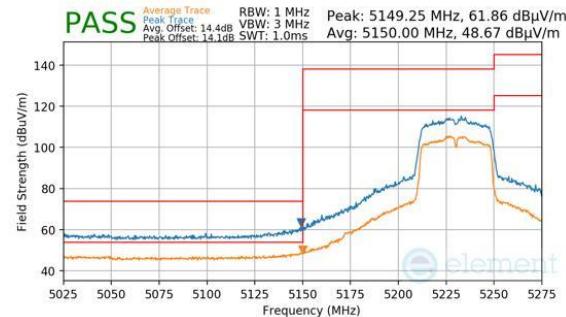
Plot 7-1677. CDD DIVERSITY (PK, CH.165, 802.11AX(SU), MCS4)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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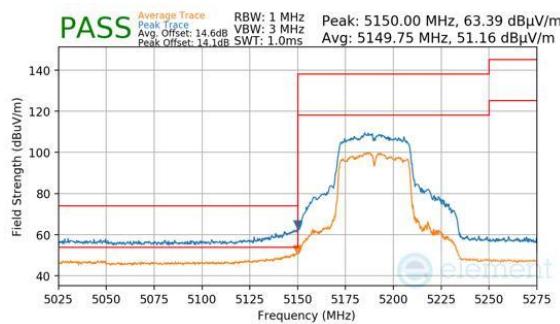
7.6.24 CDD Diversity Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]



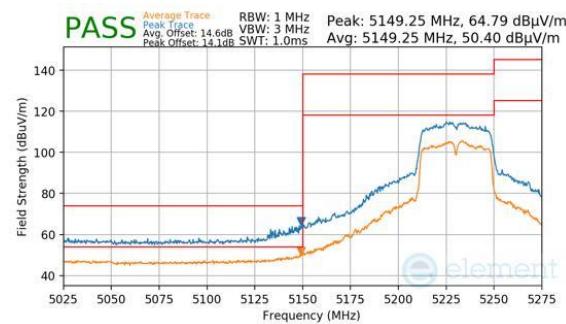
Plot 7-1679. CDD DIVERSITY (PK & AVG, CH.38, 802.11N, MCS10)



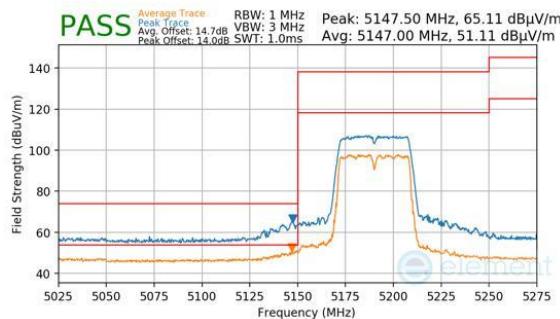
Plot 7-1682. CDD DIVERSITY (PK & AVG, CH.46, 802.11N, MCS10)



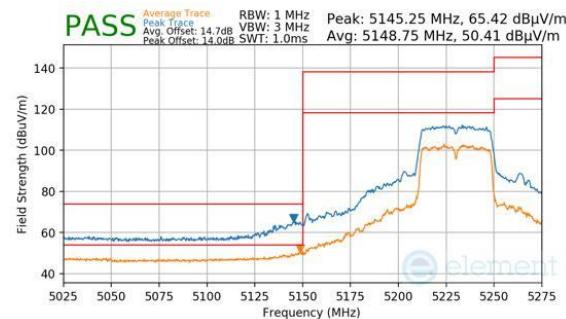
Plot 7-1680. CDD DIVERSITY (PK & AVG, CH.38, 802.11N, MCS12)



Plot 7-1683. CDD DIVERSITY (PK & AVG, CH.46, 802.11N, MCS12)



Plot 7-1681. CDD DIVERSITY (PK & AVG, CH.38, 802.11N, MCS15)



Plot 7-1684. CDD DIVERSITY (PK & AVG, CH.46, 802.11N, MCS15)

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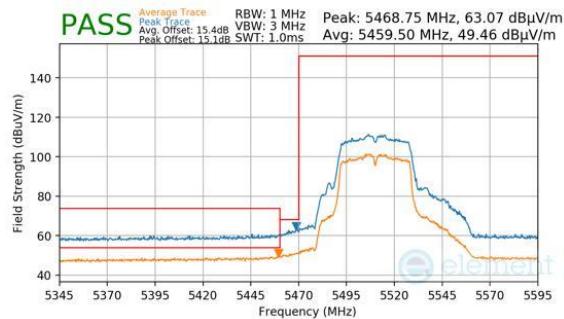
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Technical Manager

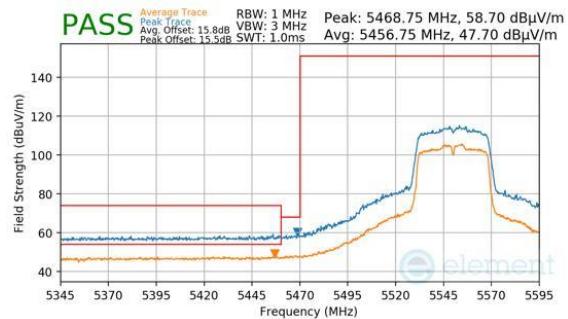
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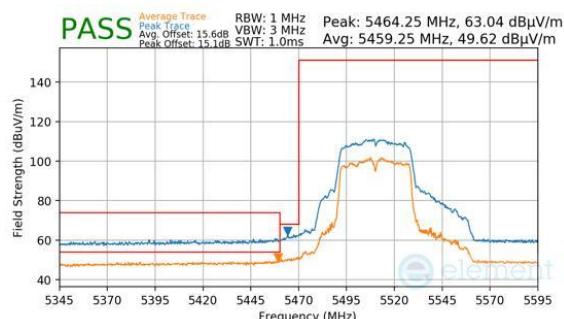
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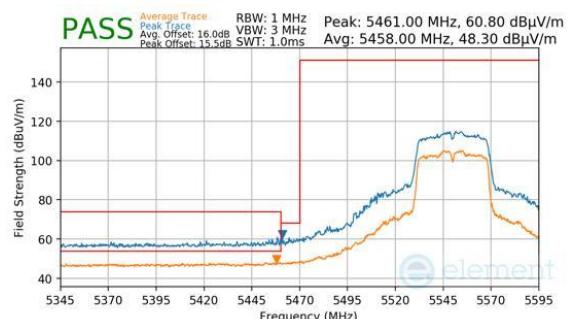
Plot 7-1685. CDD DIVERSITY (PK & AVG, CH.102, 802.11N, MCS10)



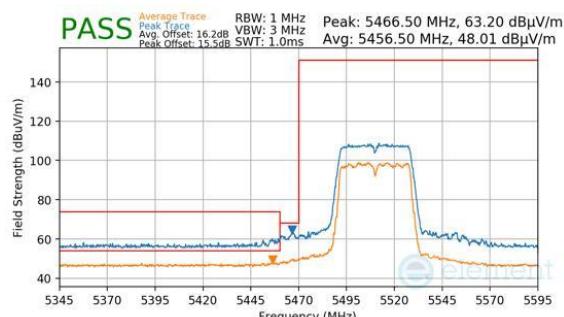
Plot 7-1688. CDD DIVERSITY (PK & AVG, CH.110, 802.11N, MCS10)



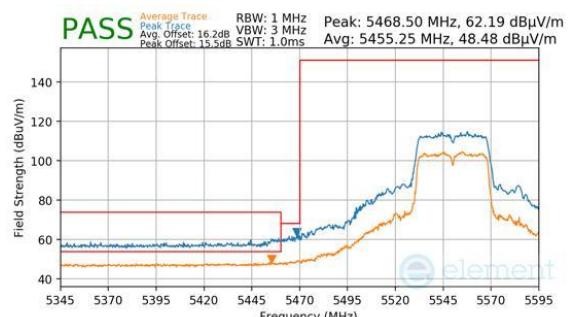
Plot 7-1686. CDD DIVERSITY (PK & AVG, CH.102, 802.11N, MCS12)



Plot 7-1689. CDD DIVERSITY (PK & AVG, CH.110, 802.11N, MCS12)



Plot 7-1687. CDD DIVERSITY (PK & AVG, CH.102, 802.11N, MCS15)



Plot 7-1690. CDD DIVERSITY (PK & AVG, CH.110, 802.11N, MCS15)

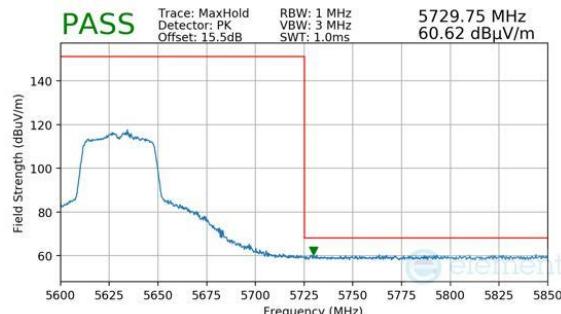
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		Test Dates: 11/29/2024 - 1/15/2024

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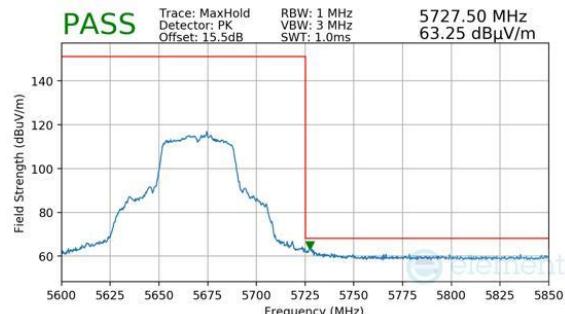
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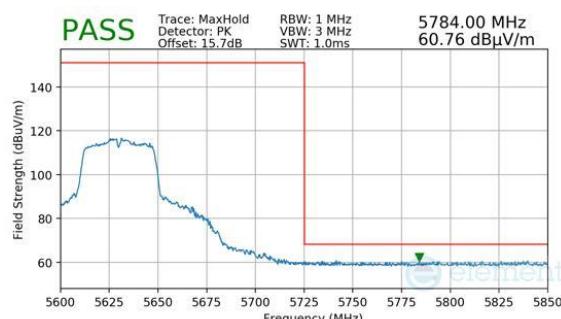
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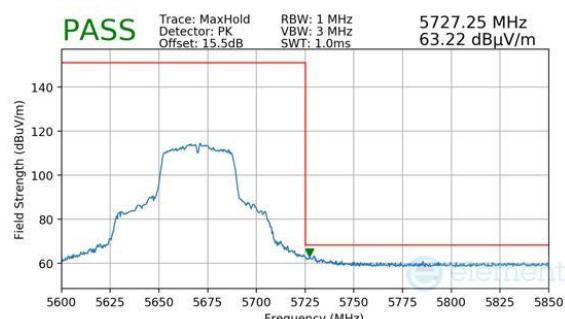
Plot 7-1691. CDD DIVERSITY (PK, CH.126, 802.11N, MCS10)



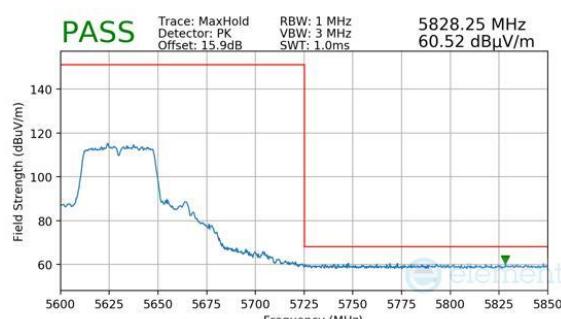
Plot 7-1694. CDD DIVERSITY (PK, CH.134, 802.11N, MCS10)



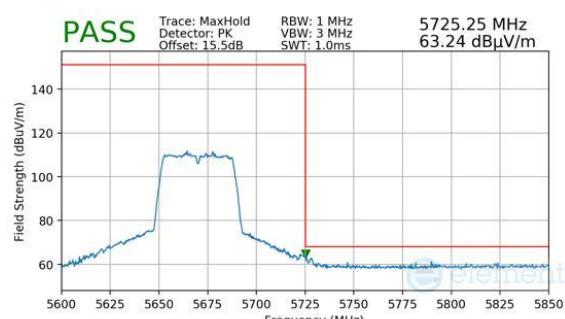
Plot 7-1692. CDD DIVERSITY (PK, CH.126, 802.11N, MCS12)



Plot 7-1695. CDD DIVERSITY (PK, CH.134, 802.11N, MCS12)



Plot 7-1693. CDD DIVERSITY (PK, CH.126, 802.11N, MCS15)



Plot 7-1696. CDD DIVERSITY (PK, CH.134, 802.11N, MCS15)

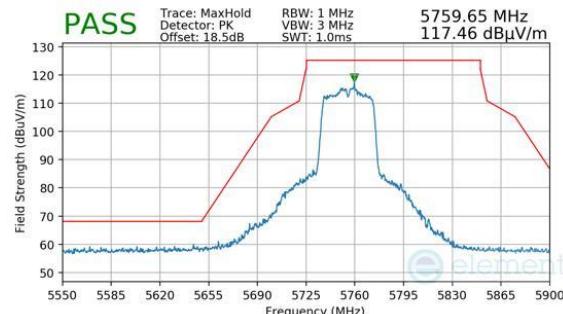
FCC ID: BCGA2898 IC: 579C-A2898	 element	Test Report S/N: 1C2311270065-11-R1.BCG
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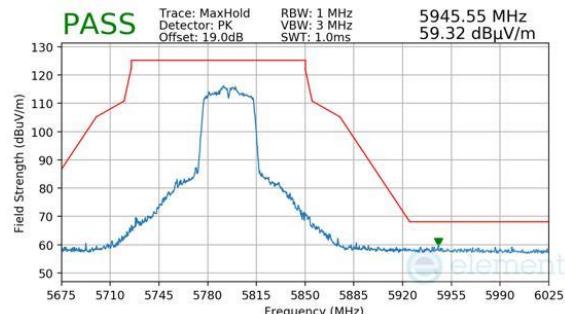
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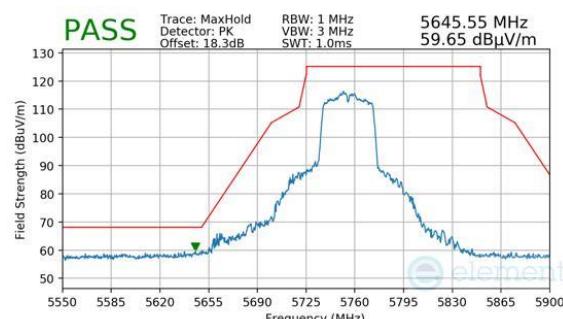
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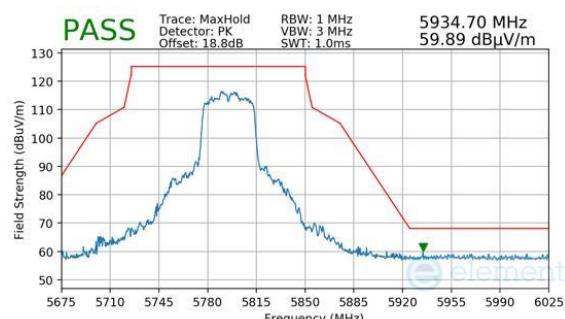
Plot 7-1697. CDD DIVERSITY (PK, CH.151, 802.11N, MCS10)



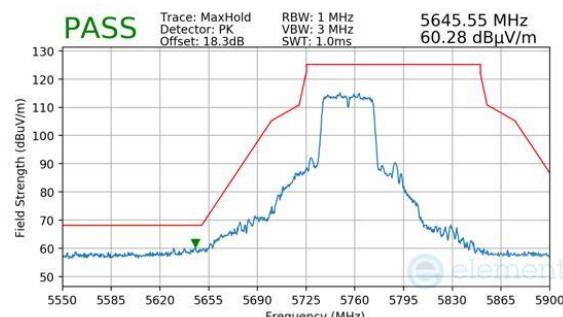
Plot 7-1700. CDD DIVERSITY (PK, CH.159, 802.11N, MCS10)



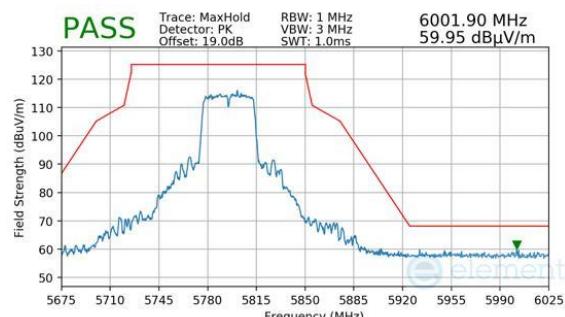
Plot 7-1698. CDD DIVERSITY (PK, CH.151, 802.11N, MCS12)



Plot 7-1701. CDD DIVERSITY (PK, CH.159, 802.11N, MCS12)



Plot 7-1699. CDD DIVERSITY (PK, CH.151, 802.11N, MCS15)



Plot 7-1702. CDD DIVERSITY (PK, CH.159, 802.11N, MCS15)

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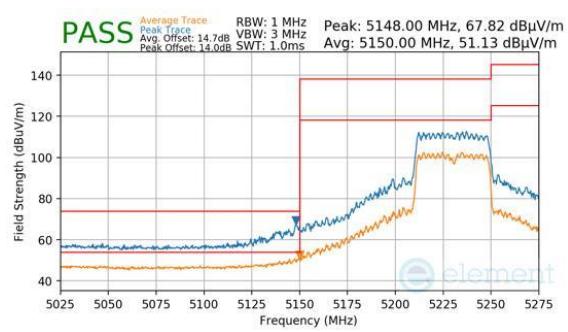
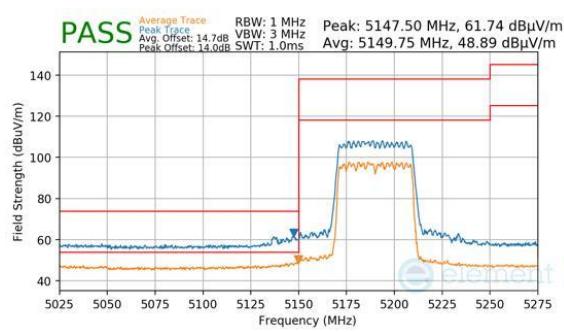
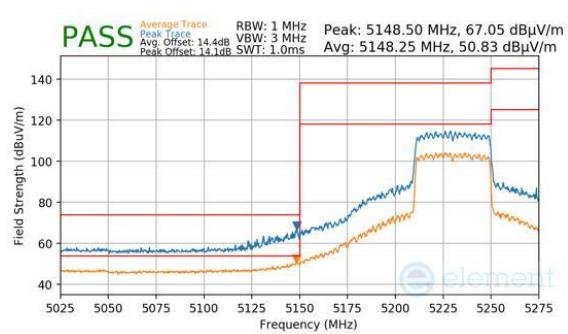
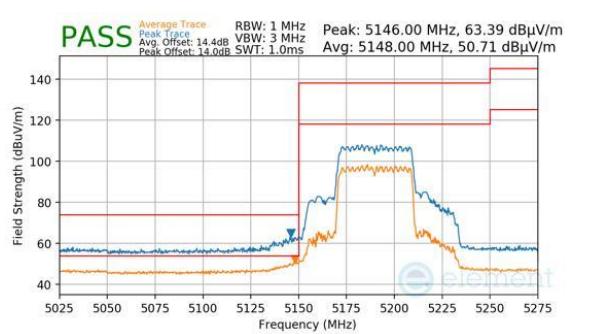
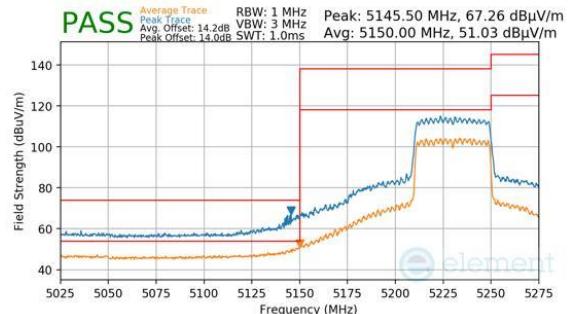
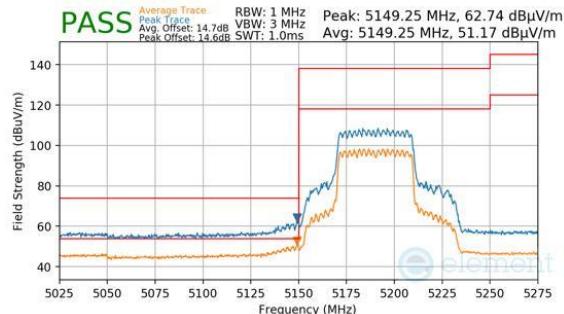
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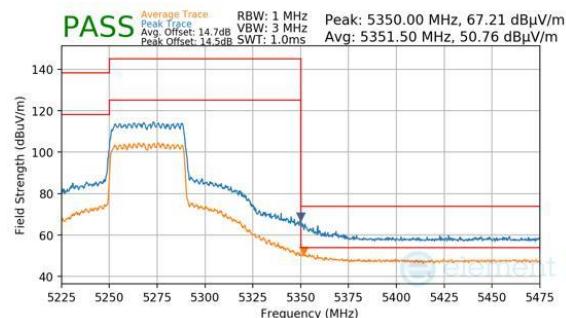
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Test Report S/N: 1C2311270065-11-R1.BCG	Test Dates: 11/29/2024 - 1/15/2024

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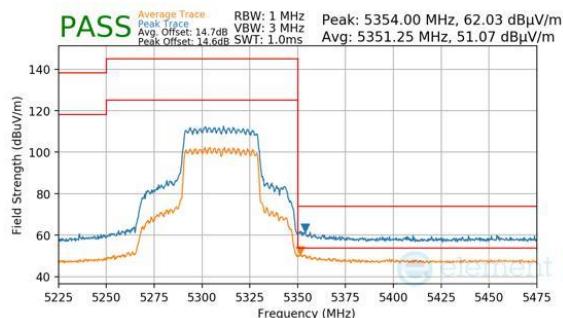
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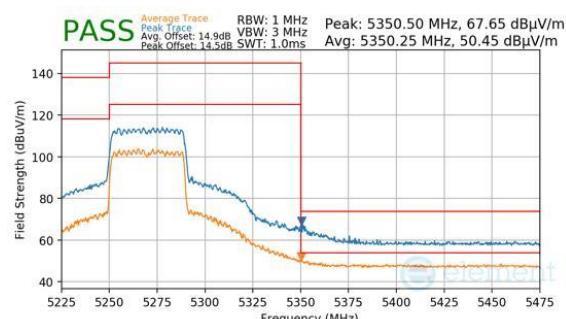
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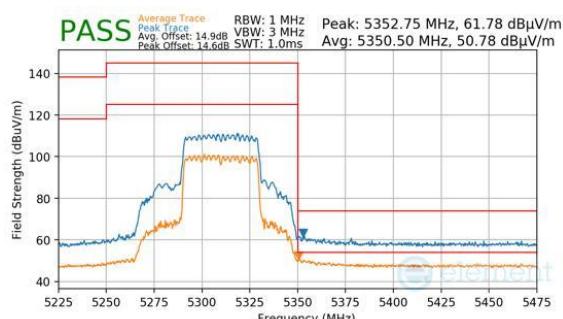
Plot 7-1709. CDD DIVERSITY (PK & AVG, CH.54, 802.11AX(SU), MCS2)



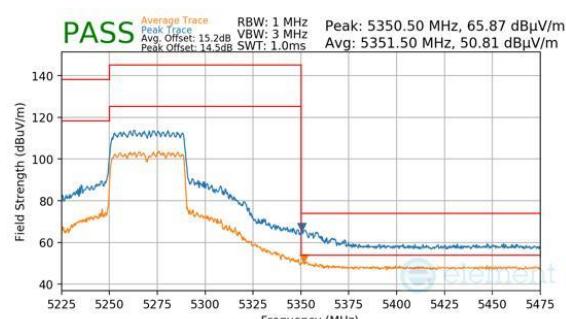
Plot 7-1712. CDD DIVERSITY (PK & AVG, CH.62, 802.11AX(SU), MCS2)



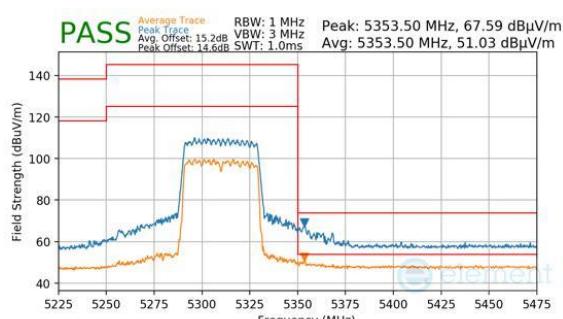
Plot 7-1710. CDD DIVERSITY (PK & AVG, CH.54, 802.11AX(SU), MCS4)



Plot 7-1713. CDD DIVERSITY (PK & AVG, CH.62, 802.11AX(SU), MCS4)



Plot 7-1711. CDD DIVERSITY (PK & AVG, CH.54, 802.11AX(SU), MCS11)



Plot 7-1714. CDD DIVERSITY (PK & AVG, CH.62, 802.11AX(SU), MCS11)

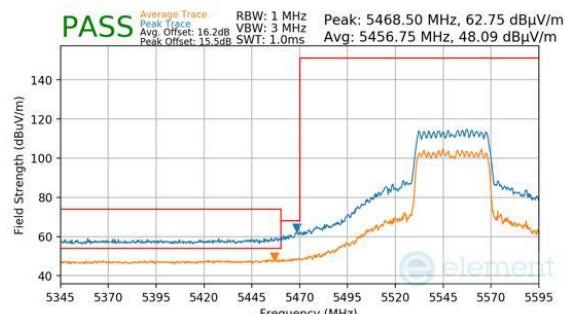
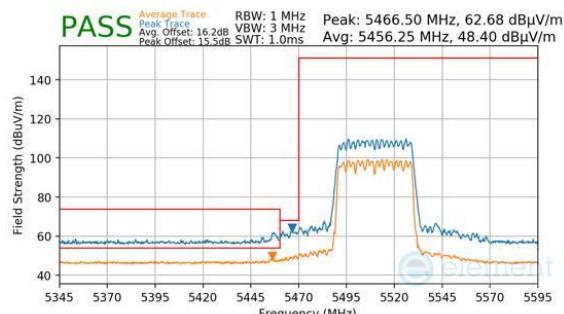
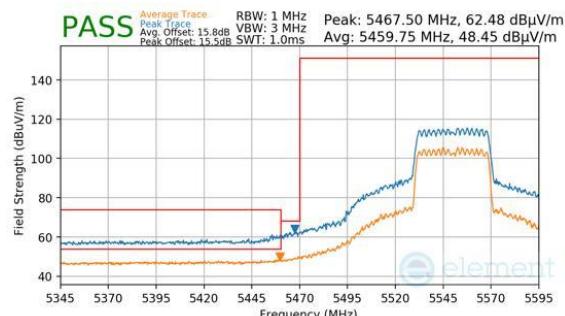
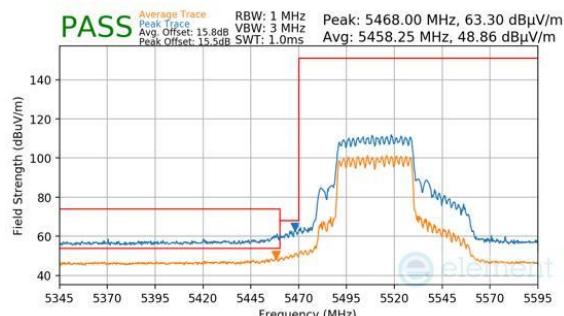
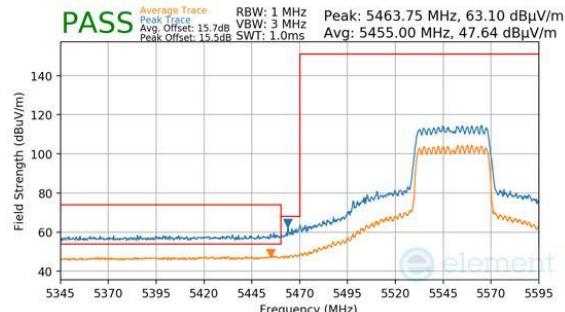
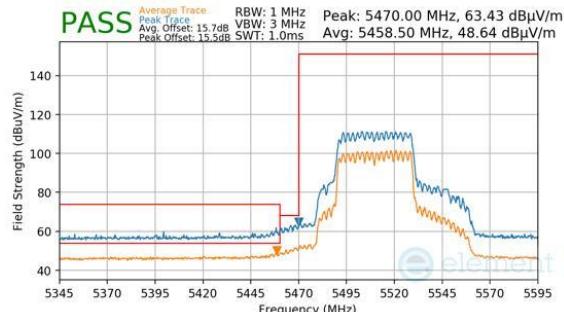
FCC ID: BCGA2898 IC: 579C-A2898		Test Report S/N: 1C2311270065-11-R1.BCG
Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Approved by: Technical Manager

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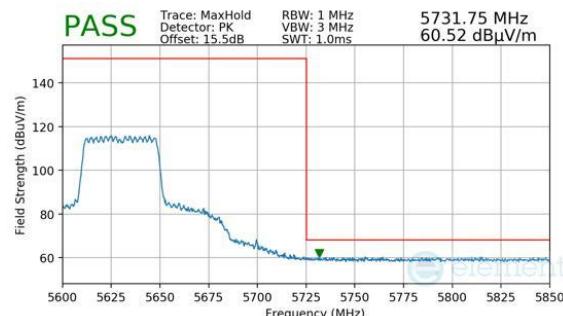
FCC ID: BCGA2898 IC: 579C-A2898		Test Report S/N: 1C2311270065-11-R1.BCG
		Test Dates: 11/29/2024 - 1/15/2024

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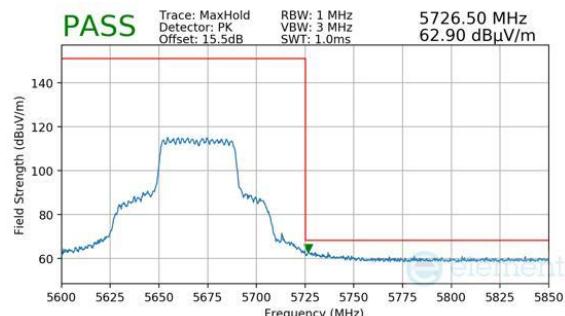
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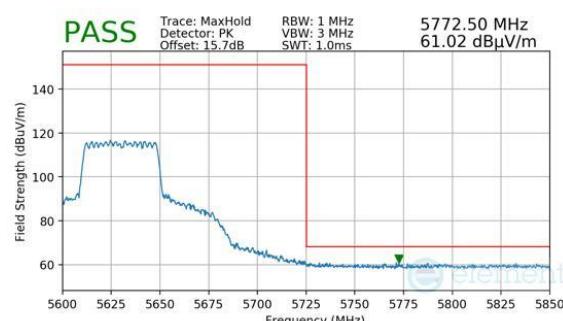
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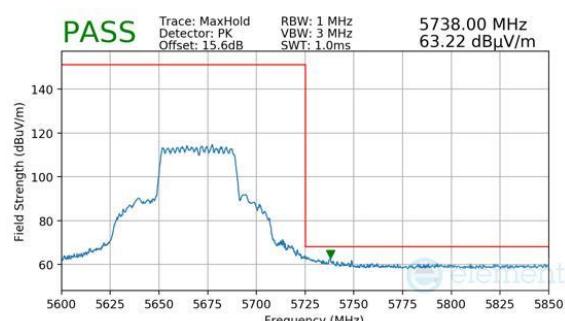
Plot 7-1721. CDD DIVERSITY (PK, CH.126, 802.11AX(SU), MCS2)



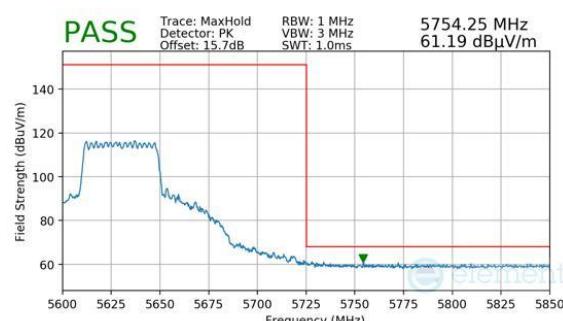
Plot 7-1724. CDD DIVERSITY (PK, CH.134, 802.11AX(SU), MCS2)



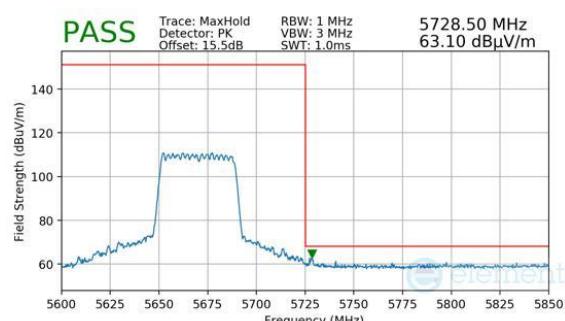
Plot 7-1722. CDD DIVERSITY (PK, CH.126, 802.11AX(SU), MCS4)



Plot 7-1725. CDD DIVERSITY (PK, CH.134, 802.11AX(SU), MCS4)



Plot 7-1723. CDD DIVERSITY (PK, CH.126, 802.11AX(SU), MCS11)



Plot 7-1726. CDD DIVERSITY (PK, CH.134, 802.11AX(SU), MCS11)

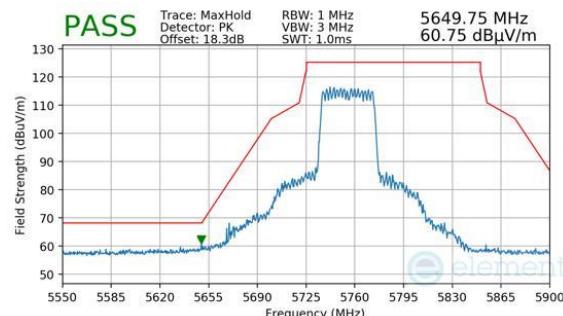
FCC ID: BCGA2898 IC: 579C-A2898	 element	
Test Report S/N: 1C2311270065-11-R1.BCG	Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device

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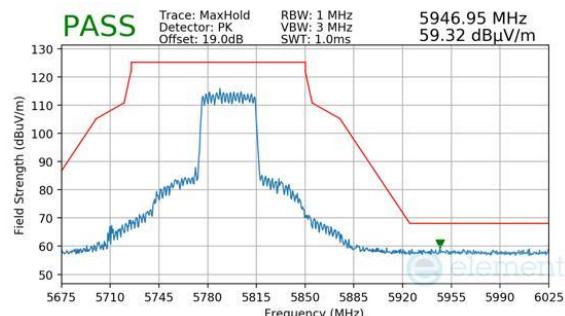
Approved by:
Technical Manager

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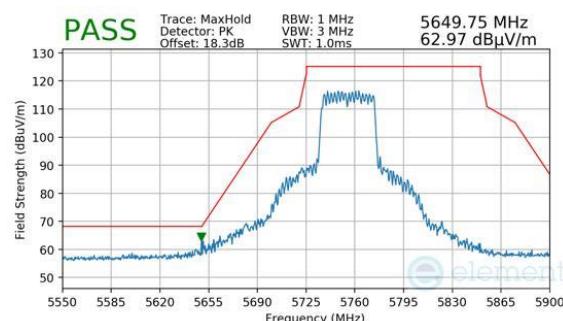
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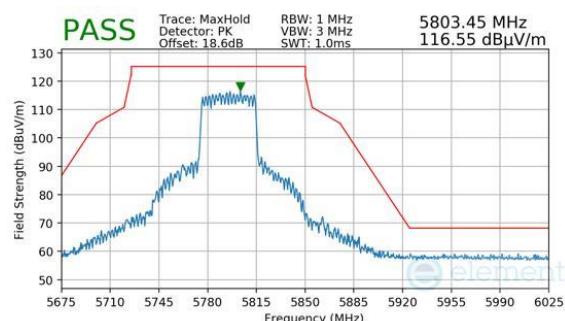
Plot 7-1727. CDD DIVERSITY (PK, CH.151, 802.11AX(SU), MCS2)



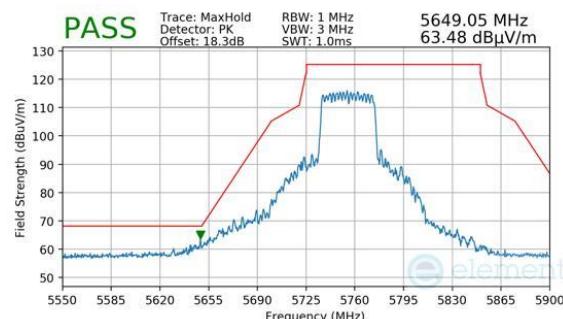
Plot 7-1730. CDD DIVERSITY (PK, CH.159, 802.11AX(SU), MCS2)



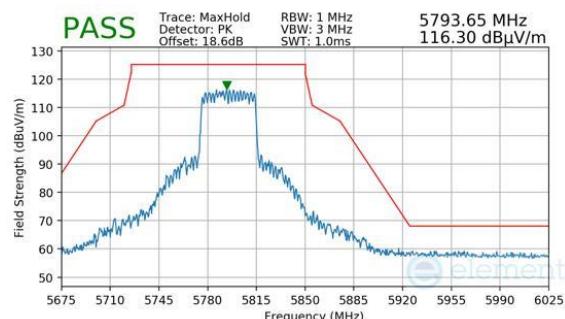
Plot 7-1728. CDD DIVERSITY (PK, CH.151, 802.11AX(SU), MCS4)



Plot 7-1731. CDD DIVERSITY (PK, CH.159, 802.11AX(SU), MCS4)



Plot 7-1729. CDD DIVERSITY (PK, CH.151, 802.11AX(SU), MCS11)



Plot 7-1732. CDD DIVERSITY (PK, CH.159, 802.11AX(SU), MCS11)

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Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Approved by: Technical Manager

**MEASUREMENT REPORT
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Technical Manager

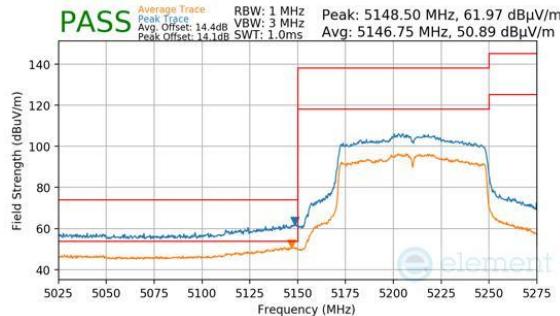
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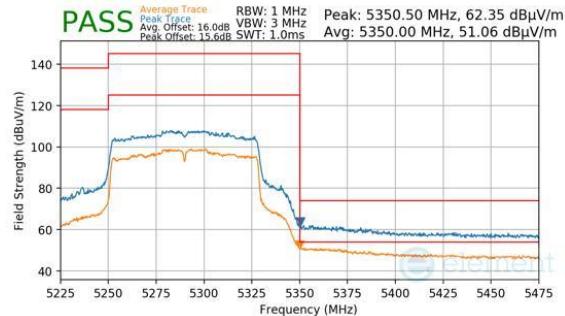
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7.6.25 CDD Diversity Radiated Band Edge Measurements (80MHz BW)

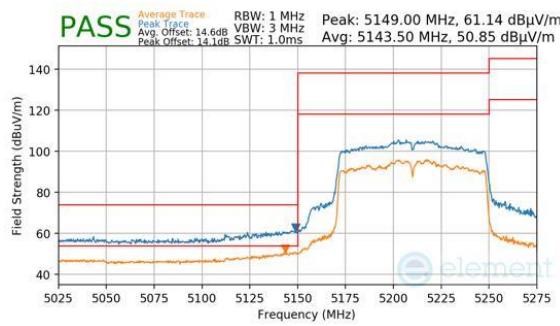
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]



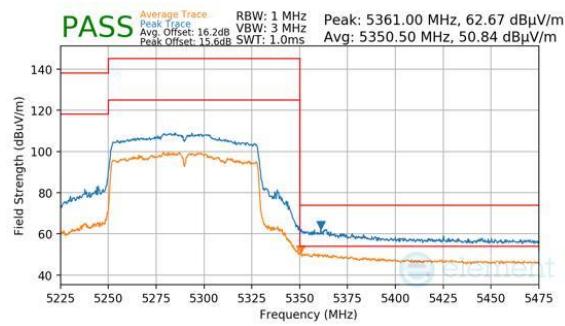
Plot 7-1733. CDD DIVERSITY (PK & AVG, CH.42, 802.11AC, MCS2)



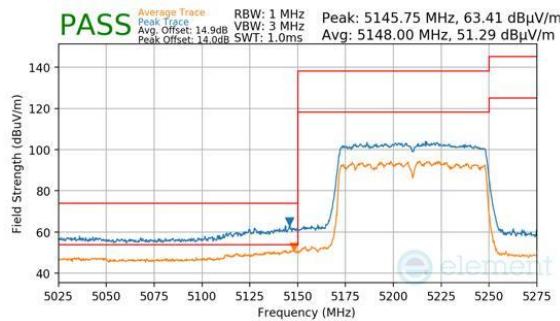
Plot 7-1736. CDD DIVERSITY (PK & AVG, CH.58, 802.11AC, MCS2)



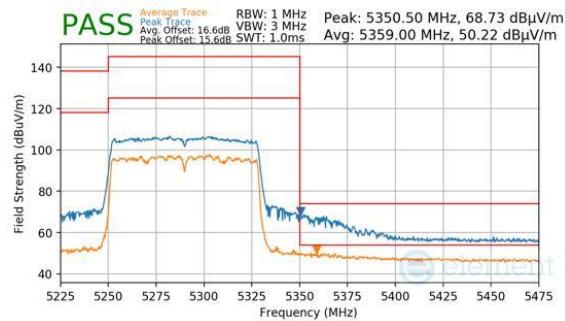
Plot 7-1734. CDD DIVERSITY (PK & AVG, CH.42, 802.11AC, MCS4)



Plot 7-1737. CDD DIVERSITY (PK & AVG, CH.58, 802.11AC, MCS4)



Plot 7-1735. CDD DIVERSITY (PK & AVG, CH.42, 802.11AC, MCS9)



Plot 7-1738. CDD DIVERSITY (PK & AVG, CH.58, 802.11AC, MCS9)

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Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Approved by: Technical Manager

MEASUREMENT REPORT (CERTIFICATION)

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Technical Manager

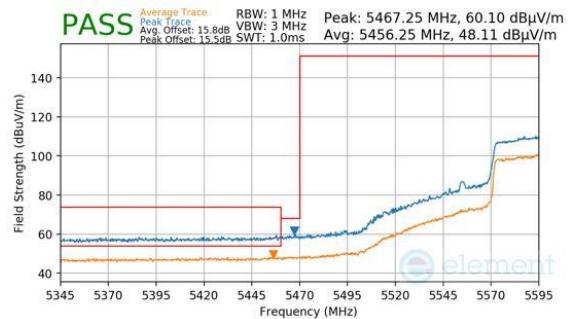
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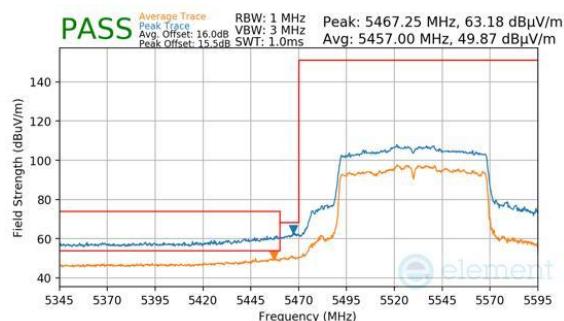
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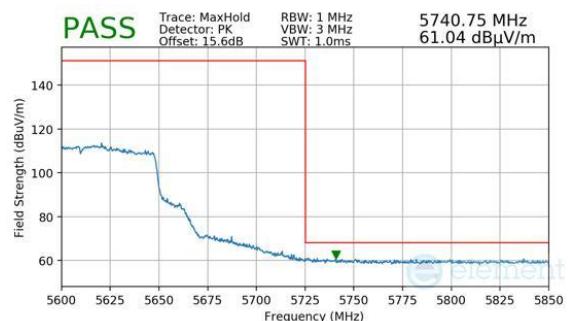
Plot 7-1739. CDD DIVERSITY (PK & AVG, CH.106, 802.11AC, MCS2)



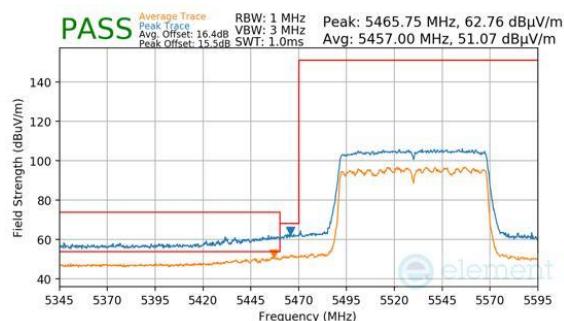
Plot 7-1742. CDD DIVERSITY (PK & AVG, CH.122, 802.11AC, MCS2)



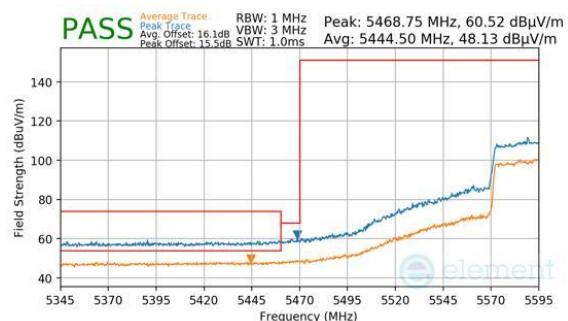
Plot 7-1740. CDD DIVERSITY (PK & AVG, CH.106, 802.11AC, MCS4)



Plot 7-1743. CDD DIVERSITY (PK, CH.122, 802.11AC, MCS2)

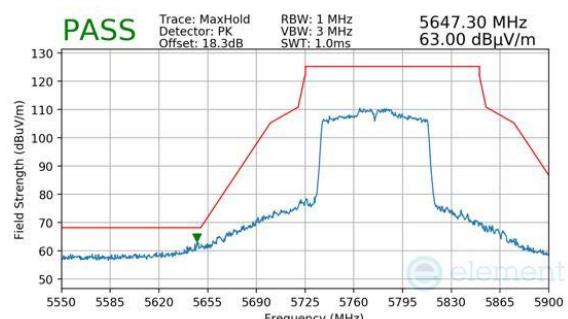
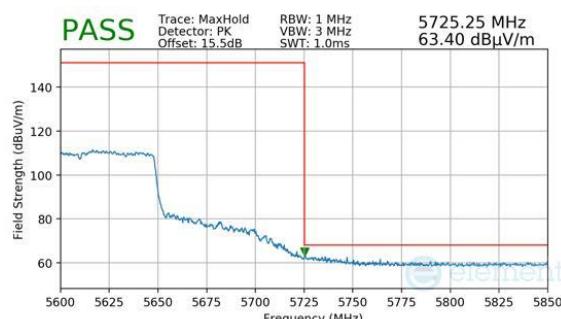
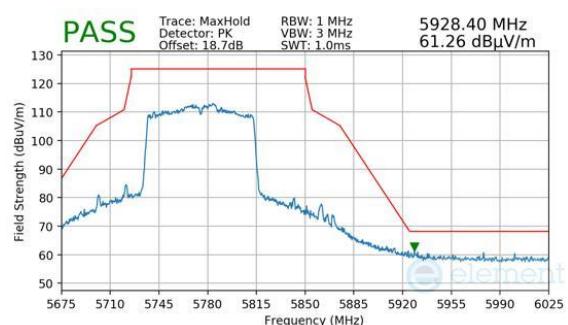
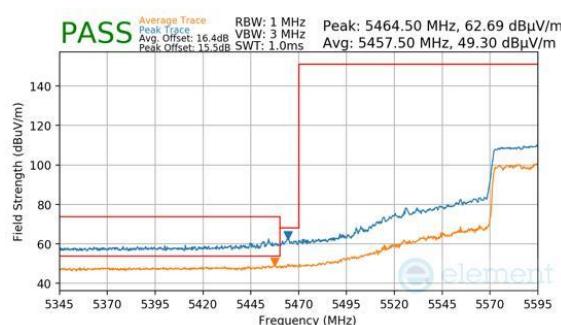
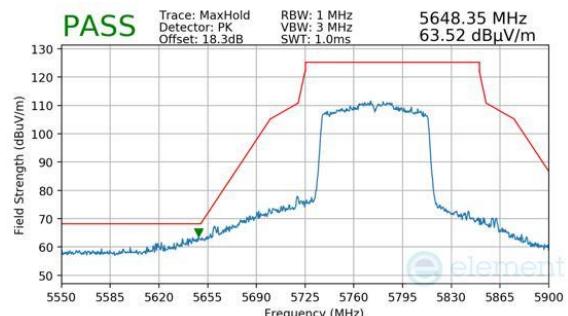
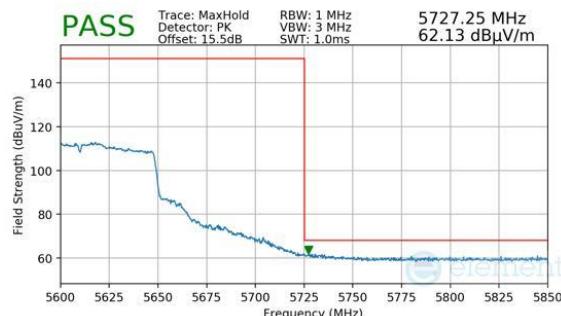


Plot 7-1741. CDD DIVERSITY (PK & AVG, CH.106, 802.11AC, MCS9)



Plot 7-1744. CDD DIVERSITY (PK & AVG, CH.122, 802.11AC, MCS4)

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Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Approved by: Technical Manager

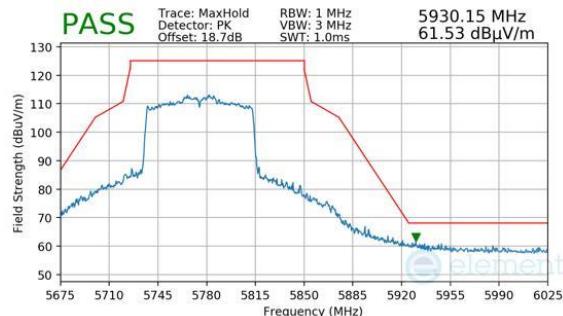
MEASUREMENT REPORT
(CERTIFICATION)

Approved by:
Technical Manager

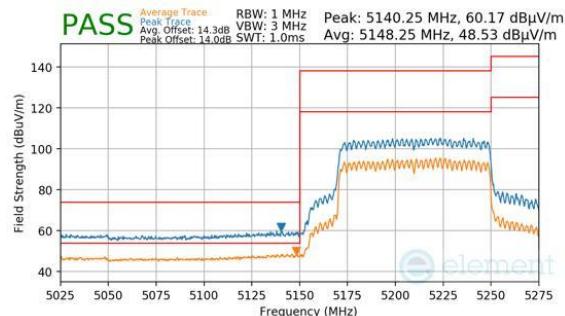
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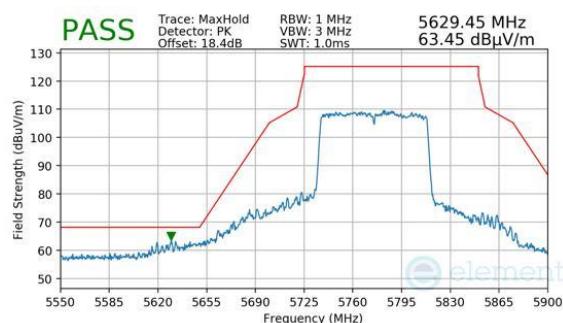
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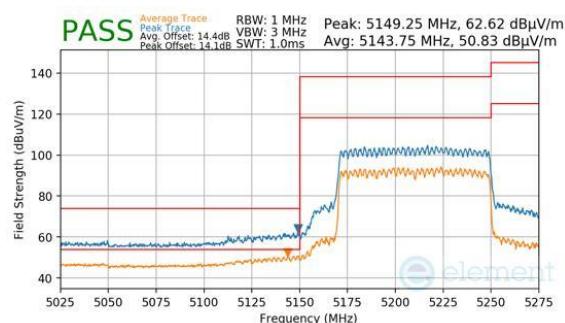
Plot 7-1751. CDD DIVERSITY (PK, CH.155, 802.11AC, MCS4)



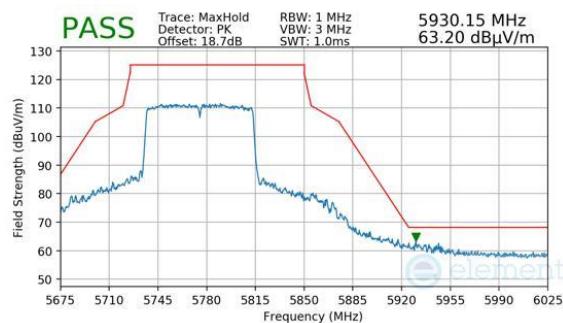
Plot 7-1754. CDD DIVERSITY (PK & AVG, CH.42, 802.11AX(SU), MCS2)



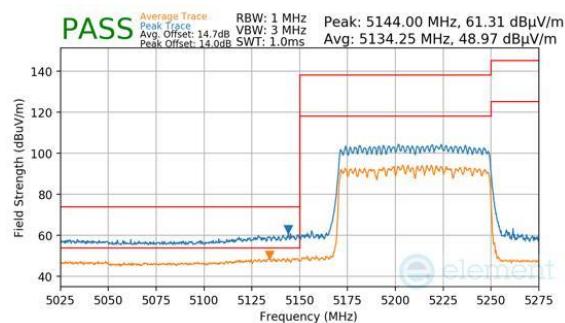
Plot 7-1752. CDD DIVERSITY (PK, CH.155, 802.11AC, MCS9)



Plot 7-1755. CDD DIVERSITY (PK & AVG, CH.42, 802.11AX(SU), MCS4)



Plot 7-1753. CDD DIVERSITY (PK, CH.155, 802.11AC, MCS9)



Plot 7-1756. CDD DIVERSITY (PK & AVG, CH.42, 802.11AX(SU), MCS11)

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		Test Dates: 11/29/2024 - 1/15/2024

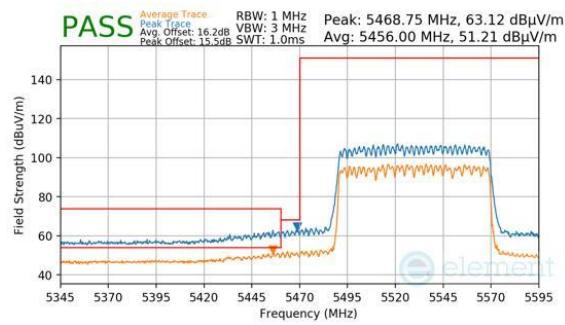
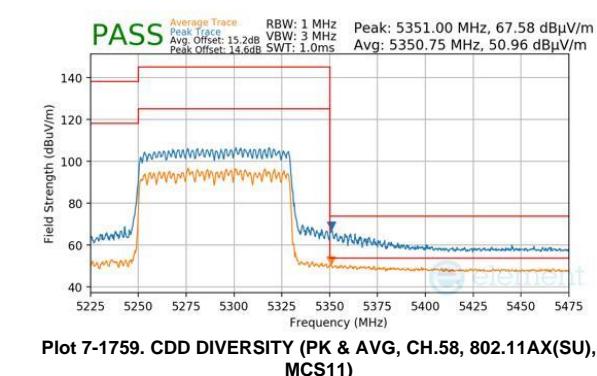
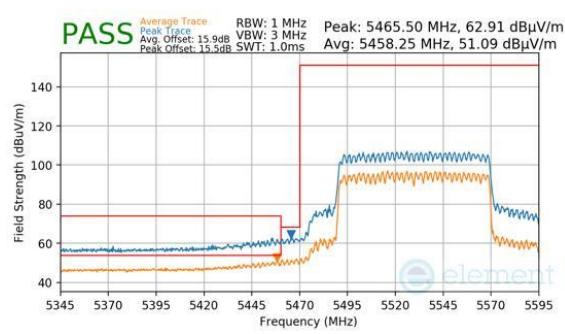
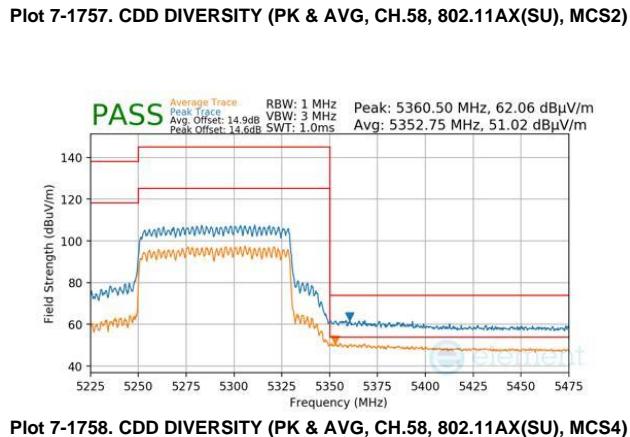
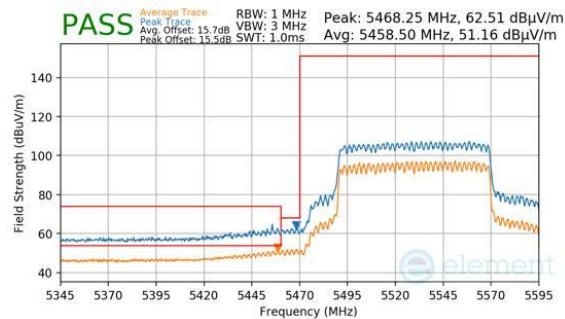
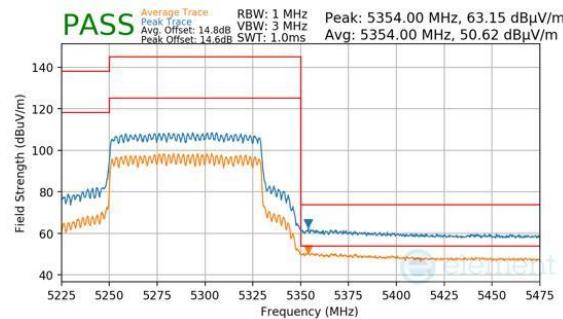
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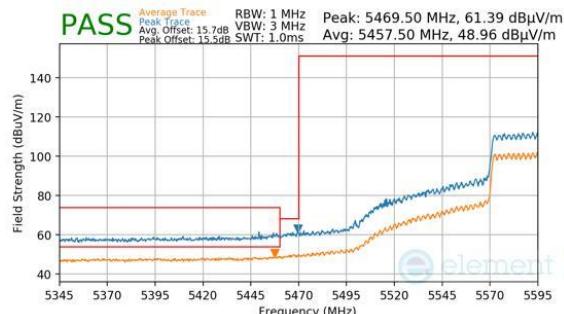
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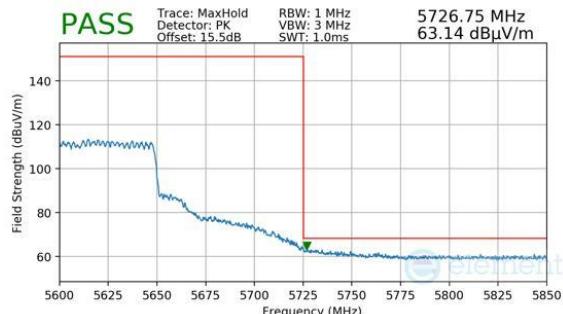
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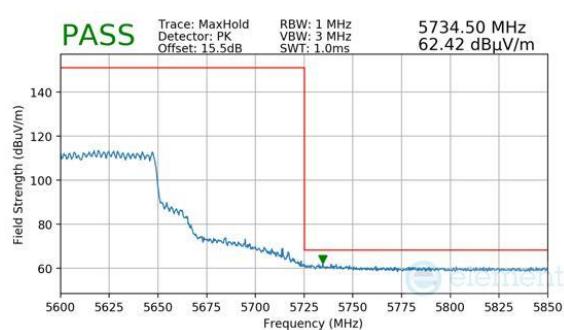
FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-11-R1.BCG	Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Page 522 of 547



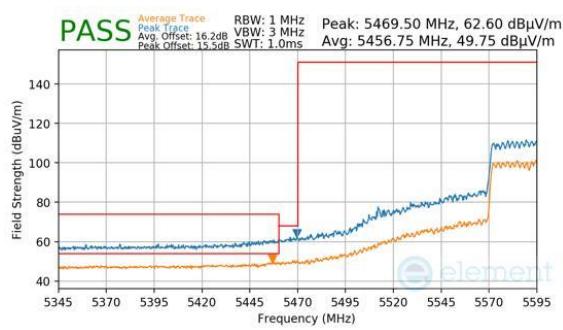
Plot 7-1763. CDD DIVERSITY (PK & AVG, CH.122, 802.11AX(SU), MCS2)



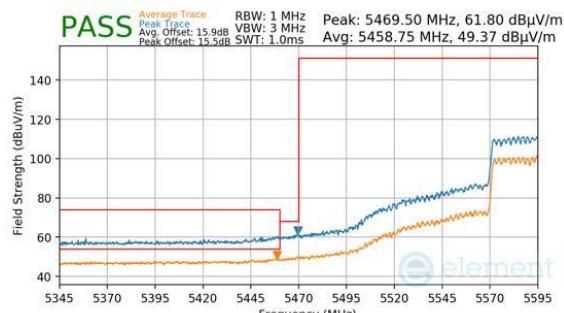
Plot 7-1766. CDD DIVERSITY (PK, CH.122, 802.11AX(SU), MCS4)



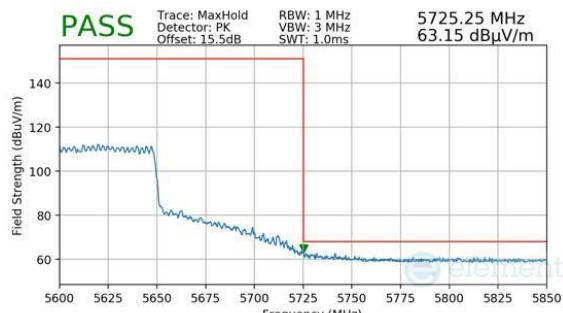
Plot 7-1764. CDD DIVERSITY (PK, CH.122, 802.11AX(SU), MCS2)



Plot 7-1767. CDD DIVERSITY (PK & AVG, CH.122, 802.11AX(SU), MCS11)



Plot 7-1765. CDD DIVERSITY (PK & AVG, CH.122, 802.11AX(SU), MCS4)



Plot 7-1768. CDD DIVERSITY (PK, CH.122, 802.11AX(SU), MCS11)

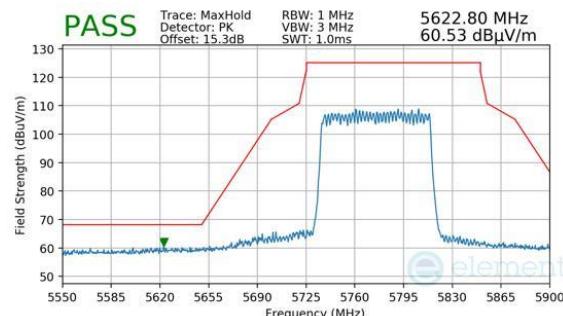
FCC ID: BCGA2898 IC: 579C-A2898		Test Report S/N: 1C2311270065-11-R1.BCG
		Test Dates: 11/29/2024 - 1/15/2024

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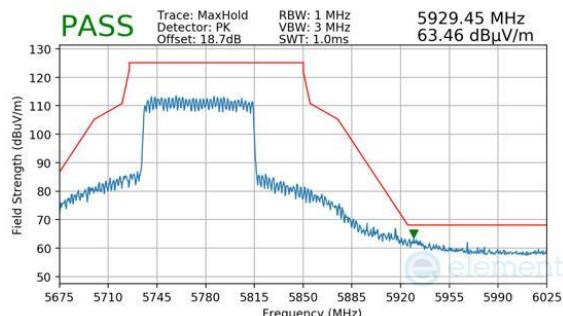
Approved by:
Technical Manager

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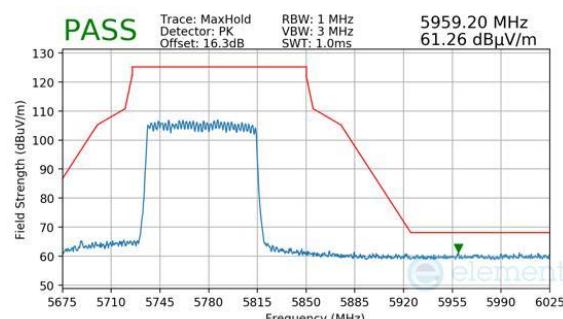
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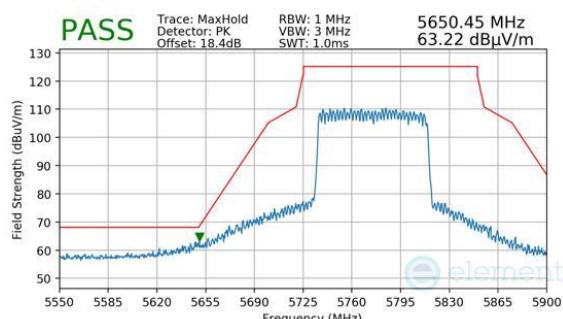
Plot 7-1769. CDD DIVERSITY (PK, CH.155, 802.11AX(SU), MCS2)



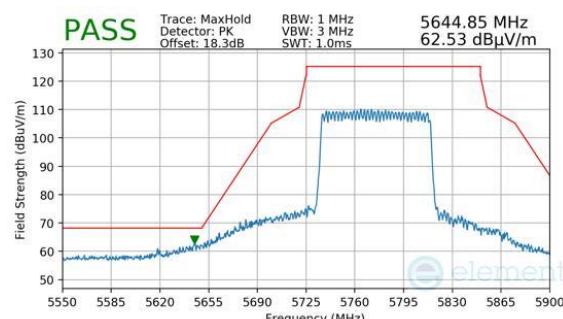
Plot 7-1772. CDD DIVERSITY (PK, CH.155, 802.11AX(SU), MCS4)



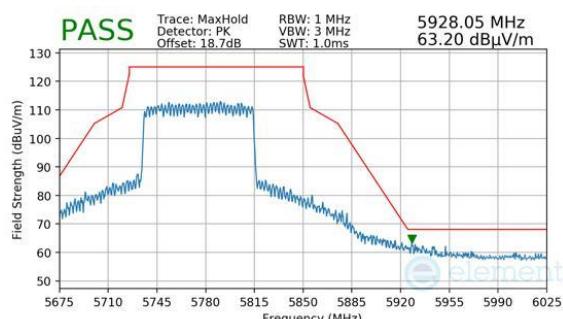
Plot 7-1770. CDD DIVERSITY (PK, CH.155, 802.11AX(SU), MCS2)



Plot 7-1773. CDD DIVERSITY (PK, CH.155, 802.11AX(SU), MCS11)



Plot 7-1771. CDD DIVERSITY (PK, CH.155, 802.11AX(SU), MCS4)



Plot 7-1774. CDD DIVERSITY (PK, CH.155, 802.11AX(SU), MCS11)

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		Test Dates: 11/29/2024 - 1/15/2024

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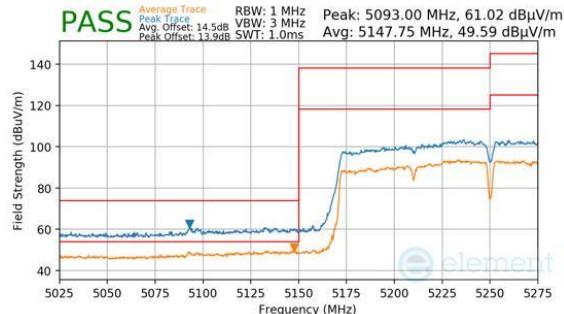
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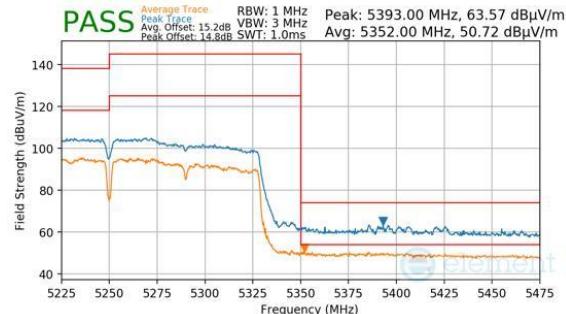
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7.6.26 CDD Diversity Radiated Band Edge Measurements (160MHz BW)

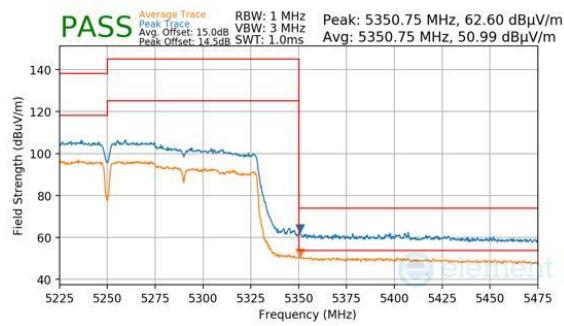
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]



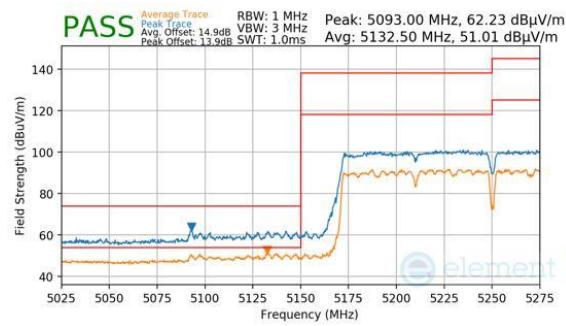
Plot 7-1775. CDD DIVERSITY (PK & AVG, CH.50, 802.11AC, MCS2)



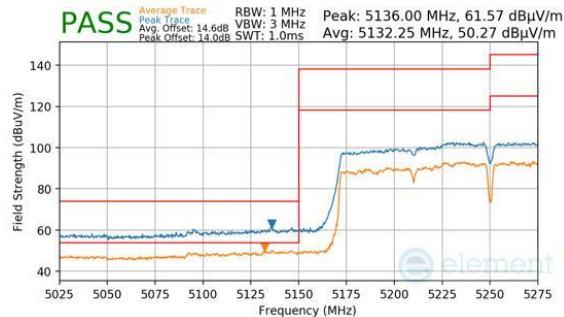
Plot 7-1778. CDD DIVERSITY (PK & AVG, CH.50, 802.11AC, MCS4)



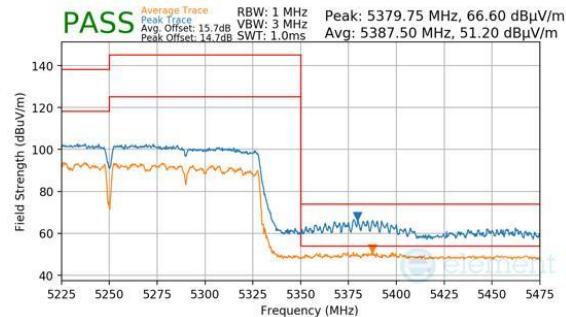
Plot 7-1776. CDD DIVERSITY (PK & AVG, CH.50, 802.11AC, MCS2)



Plot 7-1779. CDD DIVERSITY (PK & AVG, CH.50, 802.11AC, MCS9)

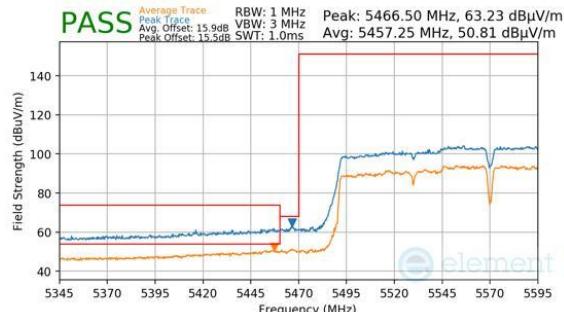


Plot 7-1777. CDD DIVERSITY (PK & AVG, CH.50, 802.11AC, MCS4)

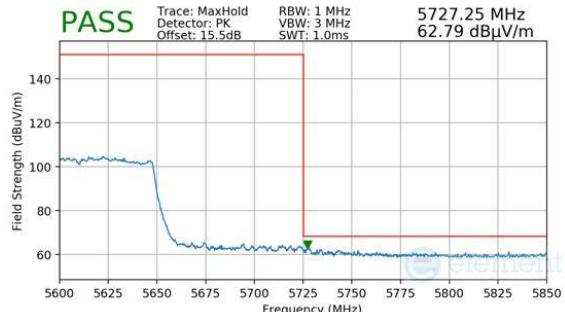


Plot 7-1780. CDD DIVERSITY (PK & AVG, CH.50, 802.11AC, MCS9)

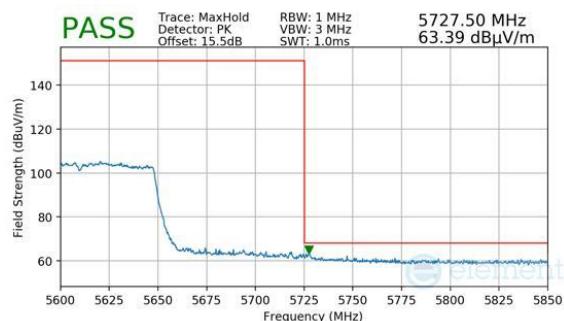
FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-11-R1.BCG	Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device	Page 525 of 547



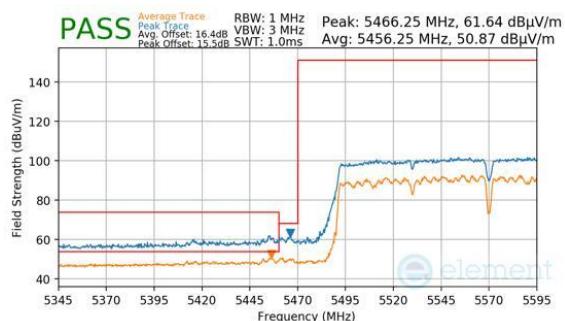
Plot 7-1781. CDD DIVERSITY (PK & AVG, CH.114, 802.11AC, MCS2)



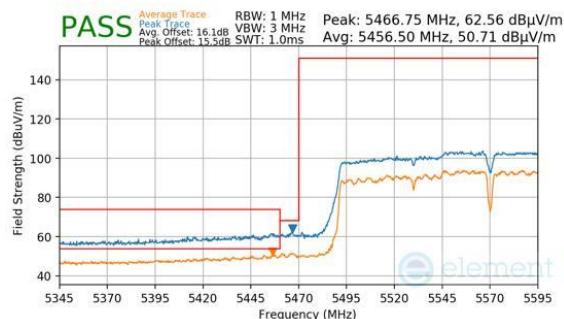
Plot 7-1784. CDD DIVERSITY (PK, CH.114, 802.11AC, MCS4)



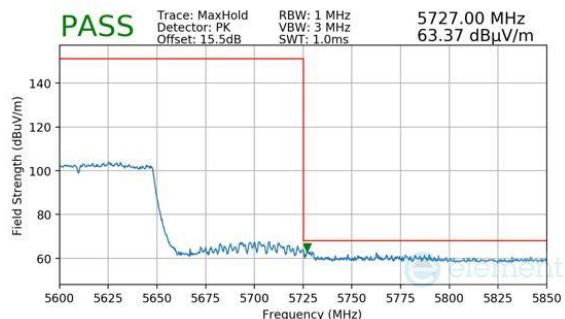
Plot 7-1782. CDD DIVERSITY (PK, CH.114, 802.11AC, MCS2)



Plot 7-1785. CDD DIVERSITY (PK & AVG, CH.114, 802.11AC, MCS9)



Plot 7-1783. CDD DIVERSITY (PK & AVG, CH.114, 802.11AC, MCS4)



Plot 7-1786. CDD DIVERSITY (PK, CH.114, 802.11AC, MCS9)

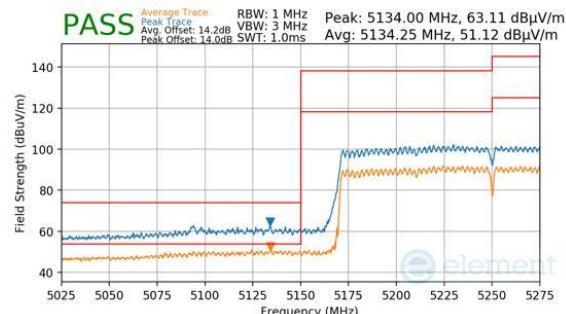
FCC ID: BCGA2898 IC: 579C-A2898		Test Report S/N: 1C2311270065-11-R1.BCG
		Test Dates: 11/29/2024 - 1/15/2024

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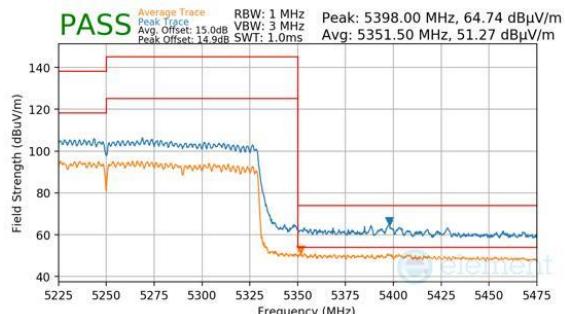
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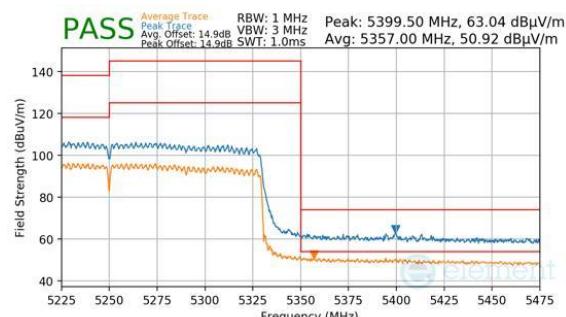
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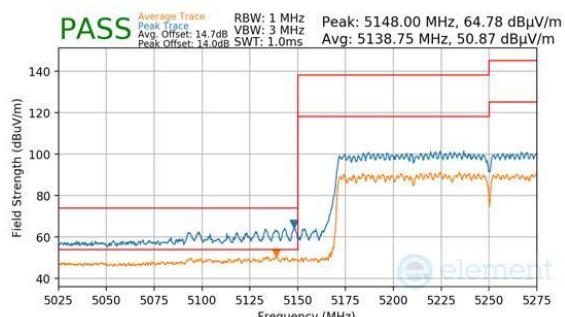
Plot 7-1787. CDD DIVERSITY (PK & AVG, CH.50, 802.11AX(SU), MCS2)



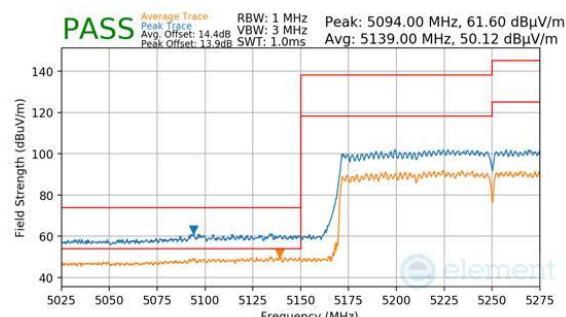
Plot 7-1790. CDD DIVERSITY (PK & AVG, CH.50, 802.11AX(SU), MCS4)



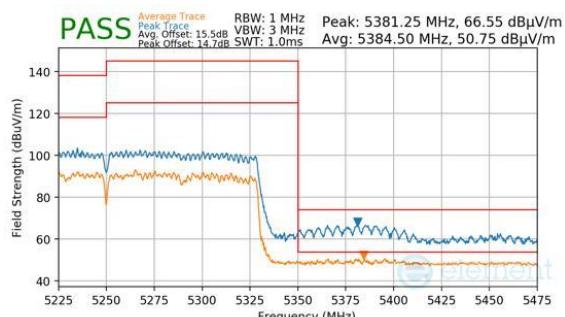
Plot 7-1788. CDD DIVERSITY (PK & AVG, CH.50, 802.11AX(SU), MCS2)



Plot 7-1791. CDD DIVERSITY (PK & AVG, CH.50, 802.11AX(SU), MCS11)



Plot 7-1789. CDD DIVERSITY (PK & AVG, CH.50, 802.11AX(SU), MCS4)



Plot 7-1792. CDD DIVERSITY (PK & AVG, CH.50, 802.11AX(SU), MCS11)

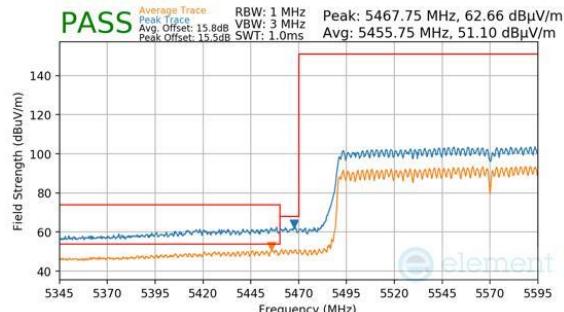
FCC ID: BCGA2898 IC: 579C-A2898	 element	
Test Report S/N: 1C2311270065-11-R1.BCG	Test Dates: 11/29/2024 - 1/15/2024	EUT Type: Tablet Device

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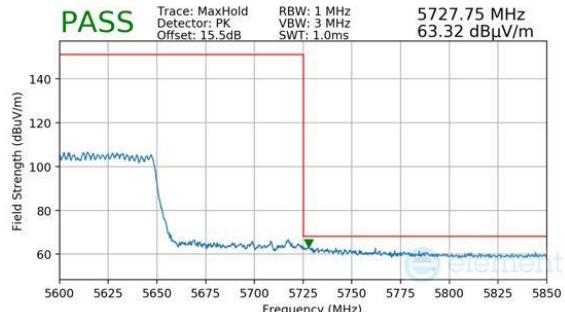
Approved by:
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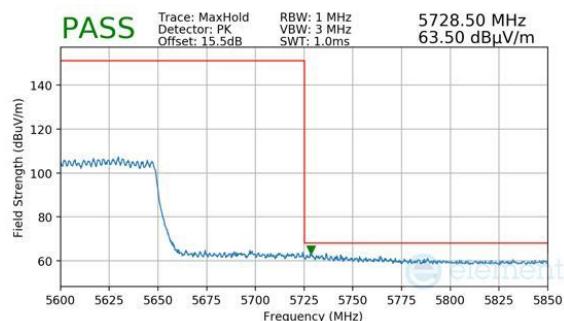
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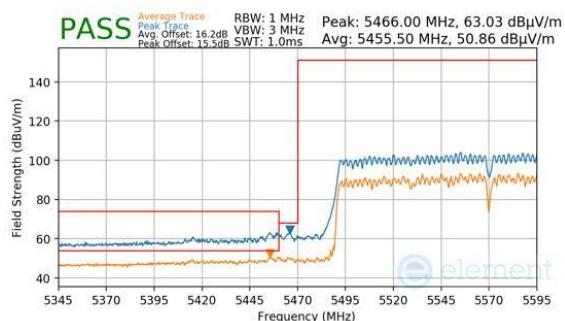
Plot 7-1793. CDD DIVERSITY (PK & AVG, CH.114, 802.11AX(SU), MCS2)



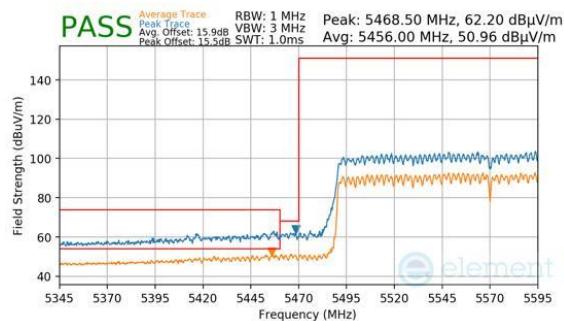
Plot 7-1796. CDD DIVERSITY (PK, CH.114, 802.11AX(SU), MCS4)



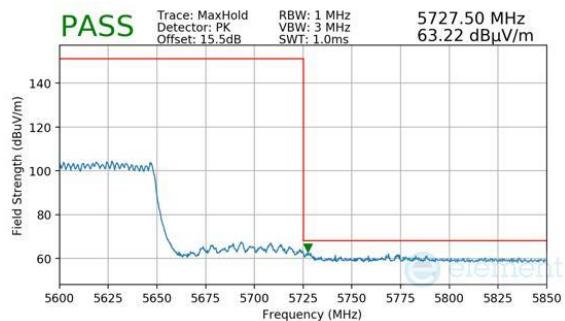
Plot 7-1794. CDD DIVERSITY (PK, CH.114, 802.11AX(SU), MCS2)



Plot 7-1797. CDD DIVERSITY (PK & AVG, CH.114, 802.11AX(SU), MCS11)



Plot 7-1795. CDD DIVERSITY (PK & AVG, CH.114, 802.11AX(SU), MCS4)



Plot 7-1798. CDD DIVERSITY (PK, CH.114, 802.11AX(SU), MCS11)

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Approved by:
Technical Manager

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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 7-369 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 7-369. 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 = quasi-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.

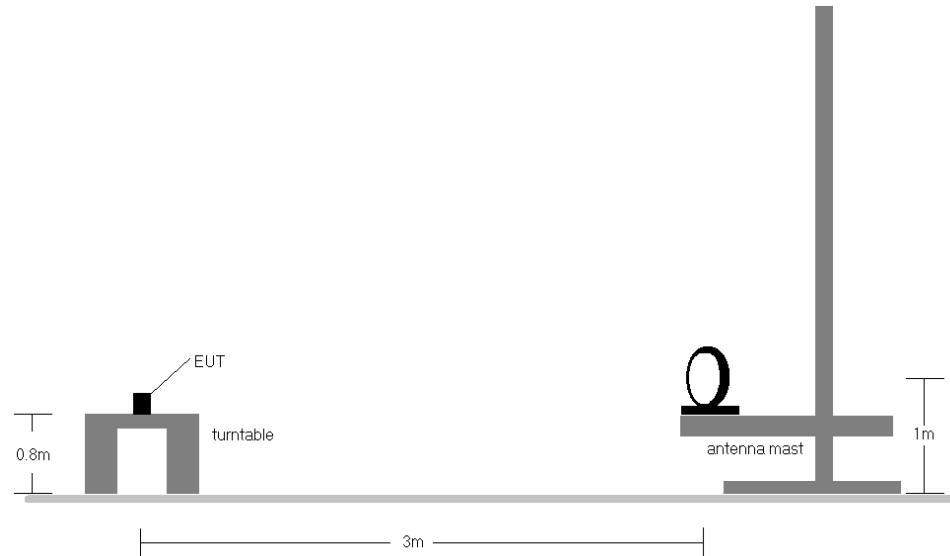


Figure 7-6. Radiated Test Setup < 30MHz

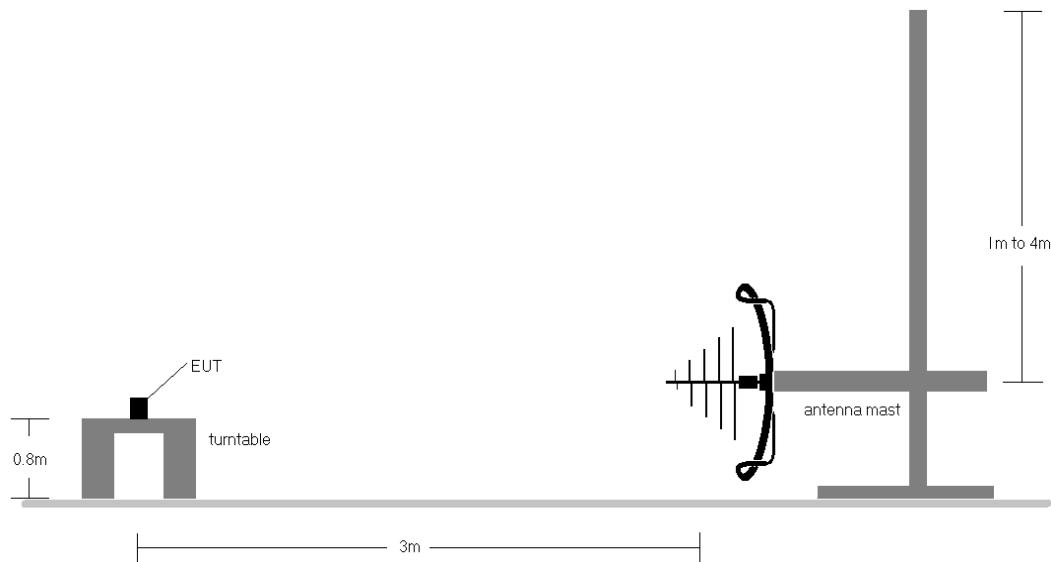


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-369.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector on emissions that were within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. 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
10. All antenna configurations were investigated and only the worst case is reported.
11. The unit was tested with all possible modes and only the highest emission is reported.

Sample Calculations

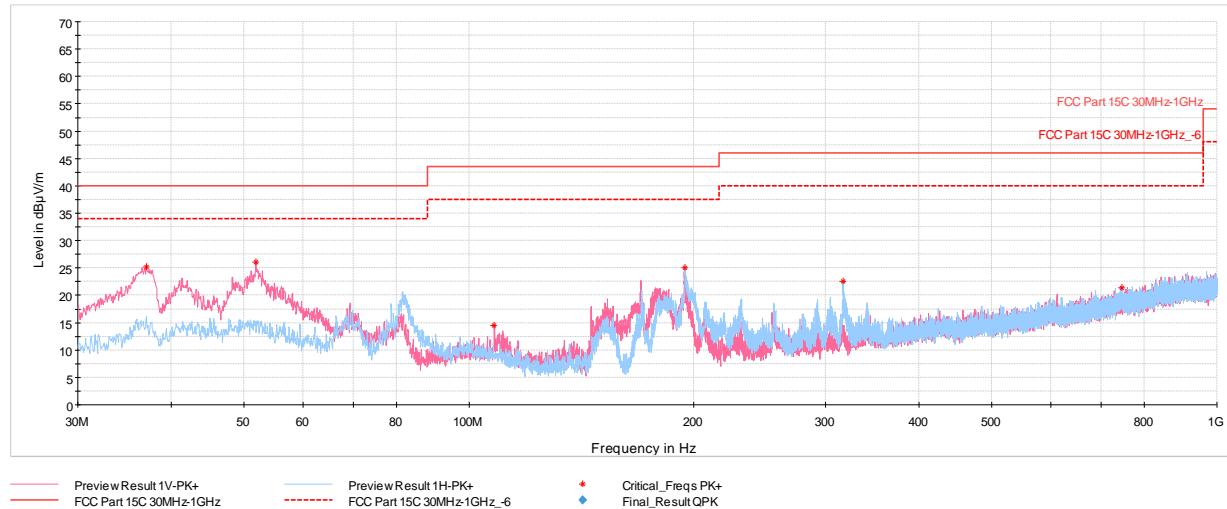
Determining Spurious Emissions Levels

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

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CDD Primary Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

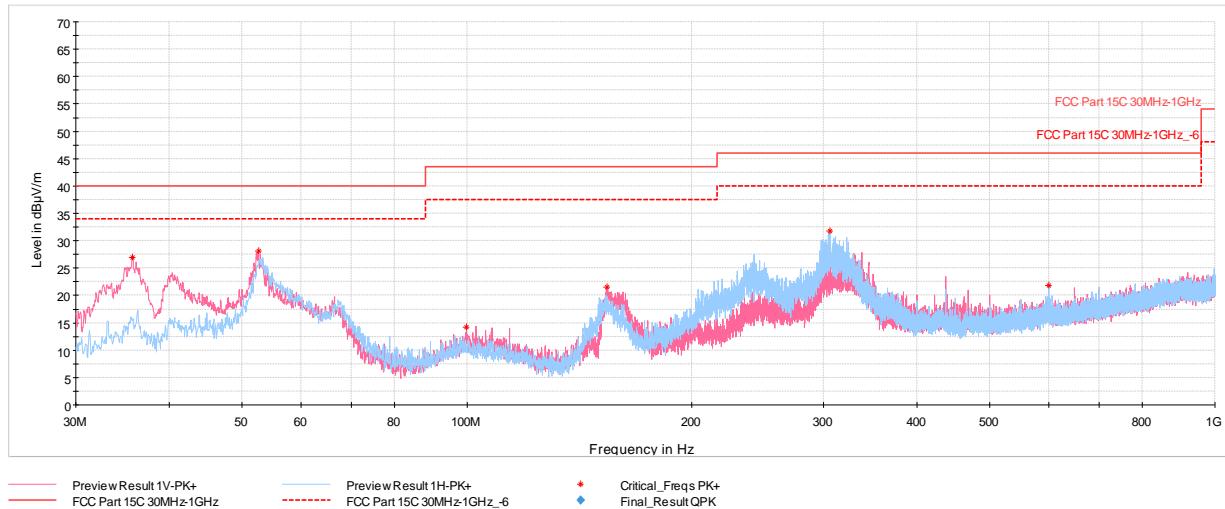


Plot 7-1163. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11n, Ch.36 with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
37.03	Max-Peak	V	100	3	-66.57	-15.22	25.21	40.00	-14.79
51.92	Max-Peak	V	100	0	-67.87	-13.13	26.00	40.00	-14.00
108.13	Max-Peak	V	100	333	-75.76	-16.78	14.46	43.52	-29.06
194.51	Max-Peak	H	200	20	-65.16	-16.81	25.03	43.52	-18.49
316.59	Max-Peak	H	100	119	-70.54	-13.94	22.52	46.02	-23.50
746.25	Max-Peak	H	100	268	-80.18	-5.44	21.38	46.02	-24.64

Table 7-370. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11n, Ch.36 with AC/DC Adapter

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1164. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11ax (SU), Ch.36 with AC/DC Adapter

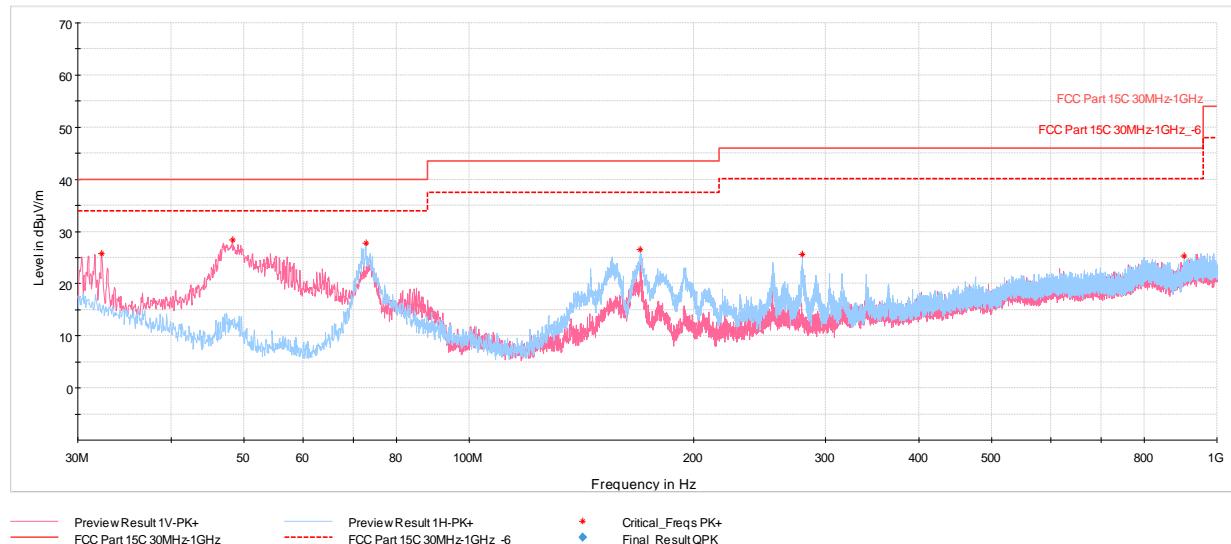
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
37.03	Max-Peak	V	100	4	-65.91	-15.22	25.87	40.00	-14.13
52.36	Max-Peak	V	100	0	-67.68	-13.22	26.10	40.00	-13.90
99.99	Max-Peak	H	200	85	-75.63	-16.42	14.95	43.52	-28.57
194.12	Max-Peak	V	100	0	-64.09	-16.91	26.00	43.52	-17.52
316.30	Max-Peak	H	100	119	-69.87	-13.93	23.20	46.02	-22.82
758.57	Max-Peak	H	100	33	-79.09	-5.04	22.87	46.02	-23.15

Table 7-371. Radiated Spurious Emissions below 1GHz, 802.11ax (SU) SDM Primary, Ch.36 with AC/DC Adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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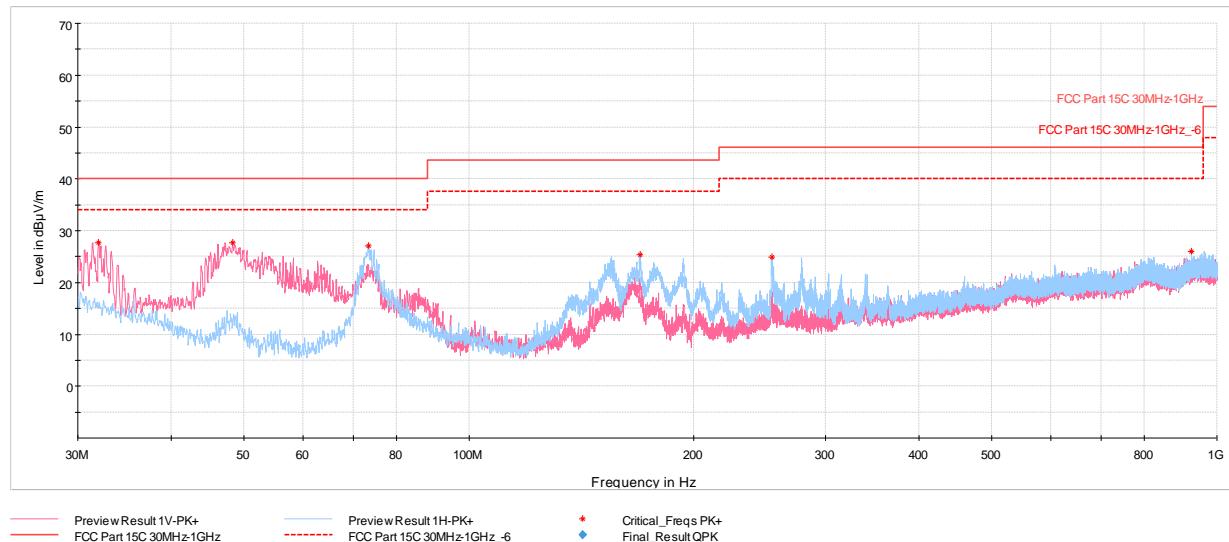


Plot 7-1165. Radiated Spurious Emissions below 1GHz CDD Diversity, 802.11n, Ch.36 with AC/DC Adapter

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]
32.28	Max-Peak	V	200	338	-64.60	-16.69	25.71	40.00	-14.29
48.28	Max-Peak	V	100	252	-55.44	-23.19	28.37	40.00	-11.63
72.83	Max-Peak	H	200	78	-56.69	-22.60	27.71	40.00	-12.29
169.58	Max-Peak	H	200	179	-60.22	-20.20	26.58	43.52	-16.94
279.05	Max-Peak	H	100	110	-66.18	-15.22	25.60	46.02	-20.42
904.26	Max-Peak	H	200	202	-76.53	-5.12	25.35	46.02	-20.67

Table 7-372. Radiated Spurious Emissions below 1GHz CDD Diversity, 802.11n, Ch.36 with AC/DC Adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1166. Radiated Spurious Emissions below 1GHz SDM Diversity, 802.11ax (SU), Ch.36 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]
31.99	Max-Peak	V	100	356	-62.78	-16.47	27.75	40.00	-12.25
48.28	Max-Peak	V	100	28	-56.07	-23.19	27.74	40.00	-12.26
73.36	Max-Peak	H	200	92	-57.26	-22.63	27.11	40.00	-12.89
169.24	Max-Peak	H	200	12	-61.47	-20.19	25.34	43.52	-18.18
254.02	Max-Peak	H	100	136	-66.93	-15.12	24.95	46.02	-21.07
923.66	Max-Peak	H	200	346	-76.68	-4.40	25.92	46.02	-20.10

Table 7-373. Radiated Spurious Emissions below 1GHz, 802.11ax (SU) SDM Diversity, Ch.36 with AC/DC Adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Simultaneous TX Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

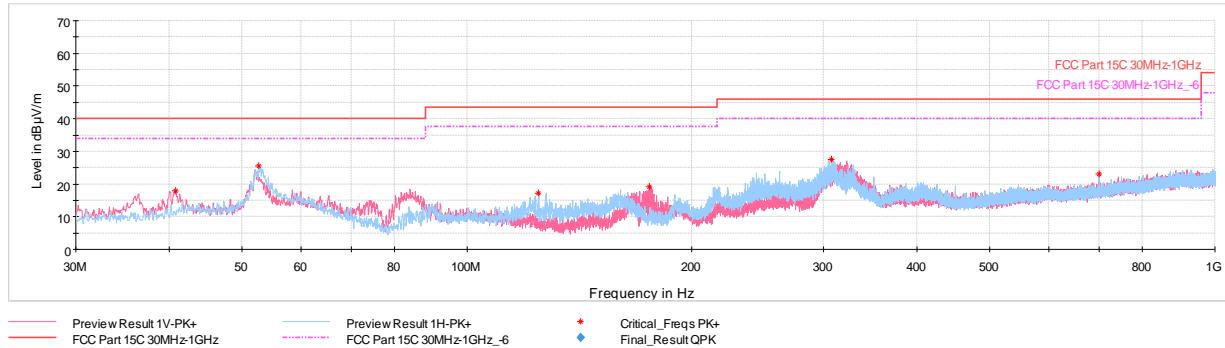


Table 7-374. Worst Case Simultaneous Transmission Configuration

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]
40.82	Max-Peak	V	100	278	-75.29	-13.82	17.89	40.00	-22.11
52.70	Max-Peak	H	100	219	-68.22	-13.32	25.46	40.00	-14.54
124.72	Max-Peak	H	100	141	-70.61	-19.20	17.19	43.52	-26.33
175.50	Max-Peak	V	100	0	-68.91	-19.03	19.06	43.52	-24.46
307.52	Max-Peak	H	100	141	-65.20	-14.31	27.49	46.02	-18.53
699.88	Max-Peak	V	100	32	-77.56	-6.32	23.12	46.02	-22.90

Plot 7-1167. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz, with AC/DC Adapter)

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7.8 AC Line-Conducted Emissions Measurement

§15.407; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (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 7-375. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Measurements

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

Average Measurements

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

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Test Setup

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

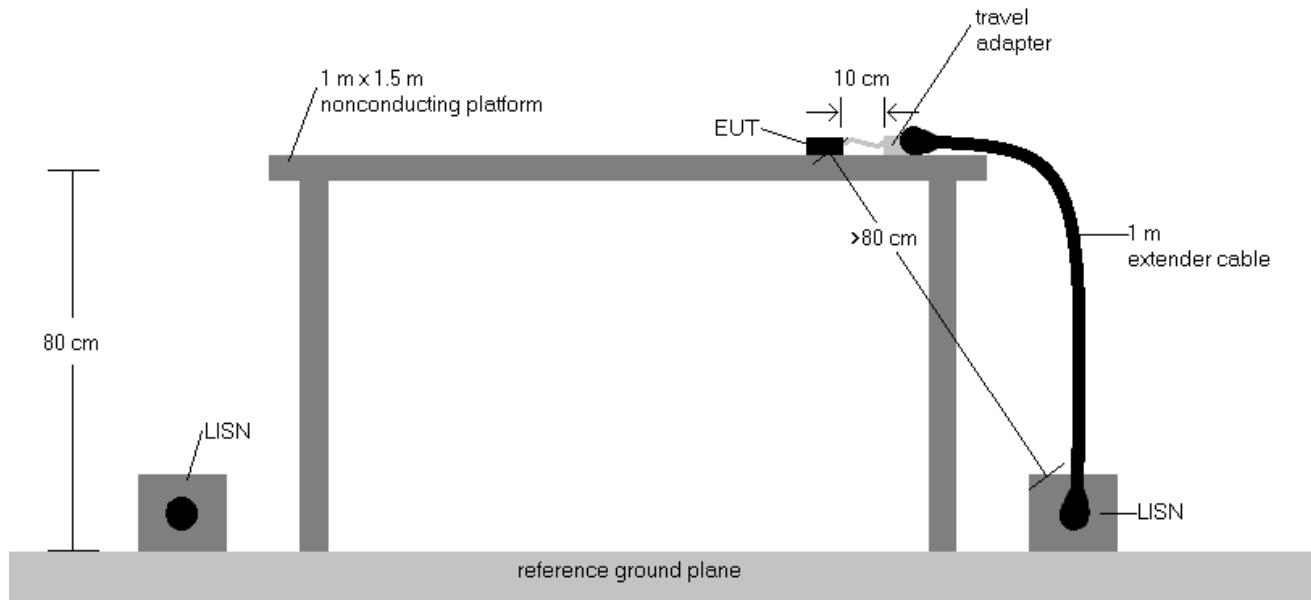
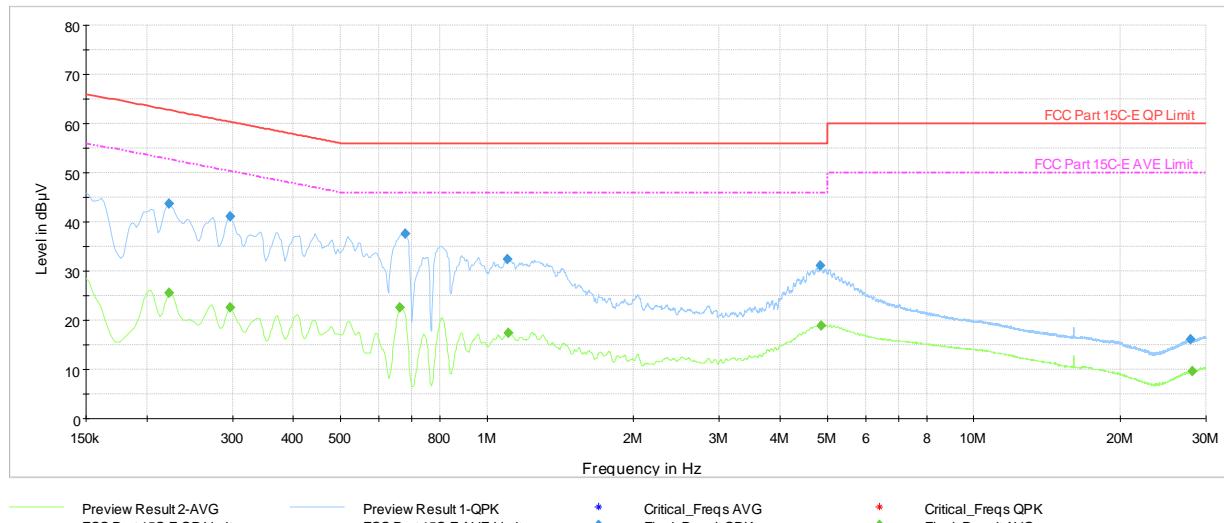


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
4. 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.
9. The unit was tested with all possible modes and only the highest emission is reported.

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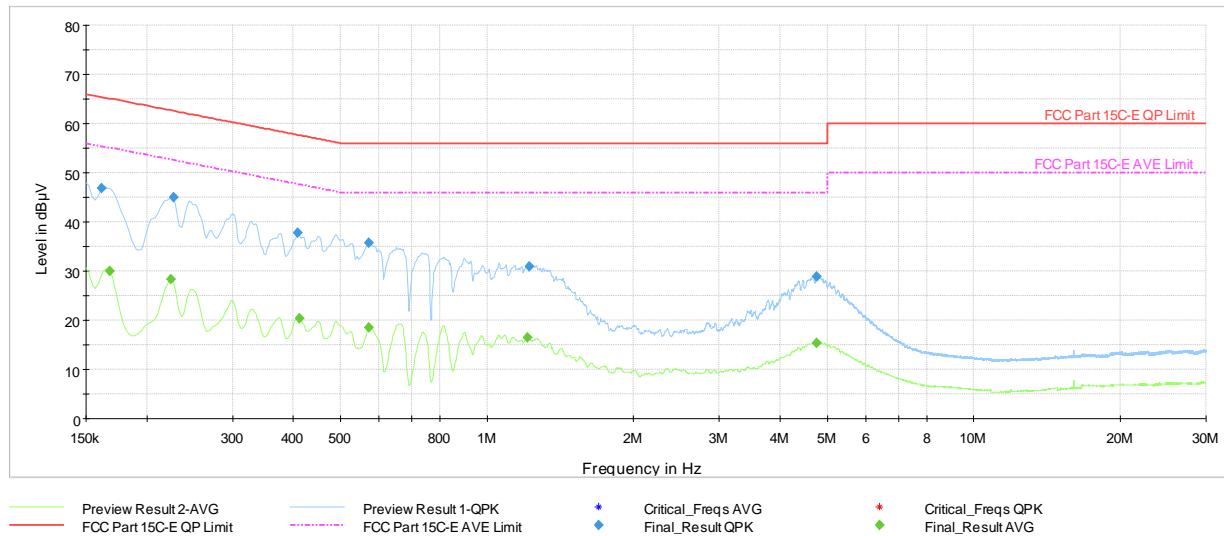


Plot 7-1168. AC Line Conducted Plot with 802.11n CDD Primary – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.222	FINAL	—	25.55	52.74	-27.20	L1	GND
0.222	FINAL	43.7	—	62.74	-19.03	L1	GND
0.296	FINAL	—	22.54	50.35	-27.81	L1	GND
0.296	FINAL	41.0	—	60.35	-19.31	L1	GND
0.663	FINAL	—	22.55	46.00	-23.45	L1	GND
0.679	FINAL	37.6	—	56.00	-18.45	L1	GND
1.100	FINAL	32.3	—	56.00	-23.68	L1	GND
1.104	FINAL	—	17.39	46.00	-28.61	L1	GND
4.844	FINAL	31.1	—	56.00	-24.95	L1	GND
4.848	FINAL	—	18.82	46.00	-27.18	L1	GND
27.911	FINAL	16.1	—	60.00	-43.94	L1	GND
28.064	FINAL	—	9.54	50.00	-40.46	L1	GND

Table 7-376. AC Line Conducted Data with 802.11n CDD Primary – Ch.36 (L1) with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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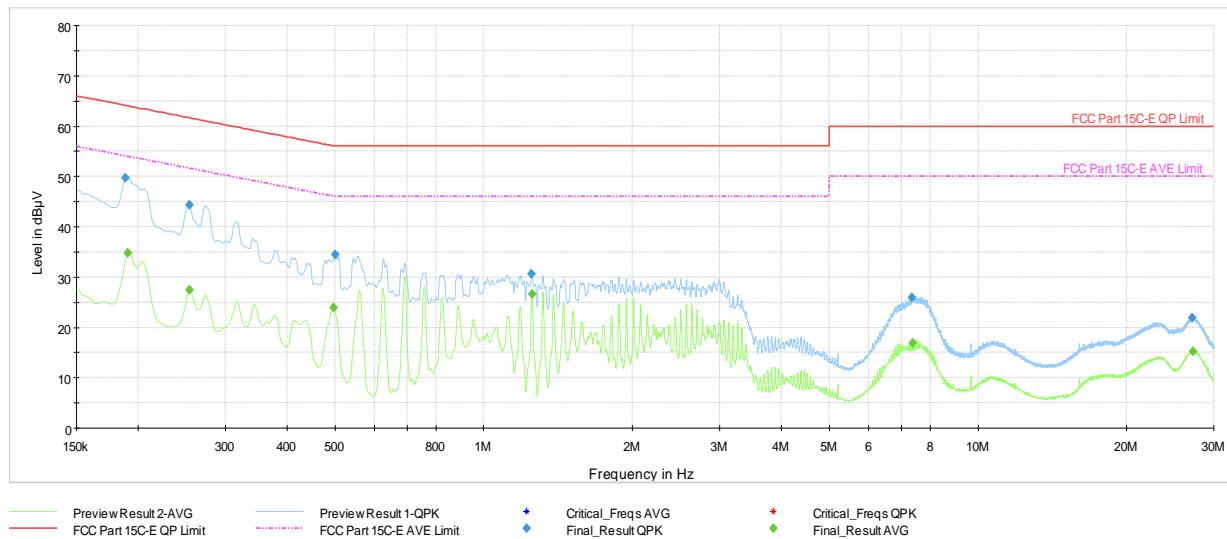


Plot 7-1169. AC Line Conducted Plot with 802.11n CDD Primary – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	46.9	—	65.40	-18.46	N	GND
0.168	FINAL	—	30.06	55.06	-25.00	N	GND
0.224	FINAL	—	28.25	52.66	-24.41	N	GND
0.227	FINAL	44.9	—	62.58	-17.64	N	GND
0.409	FINAL	37.8	—	57.67	-19.86	N	GND
0.411	FINAL	—	20.43	47.63	-27.20	N	GND
0.571	FINAL	35.8	—	56.00	-20.19	N	GND
0.571	FINAL	—	18.45	46.00	-27.55	N	GND
1.210	FINAL	—	16.50	46.00	-29.50	N	GND
1.219	FINAL	31.0	—	56.00	-25.04	N	GND
4.751	FINAL	—	15.28	46.00	-30.72	N	GND
4.751	FINAL	28.8	—	56.00	-27.16	N	GND

Table 7-377. AC Line Conducted Data with 802.11n CDD Primary – Ch.36 (N), with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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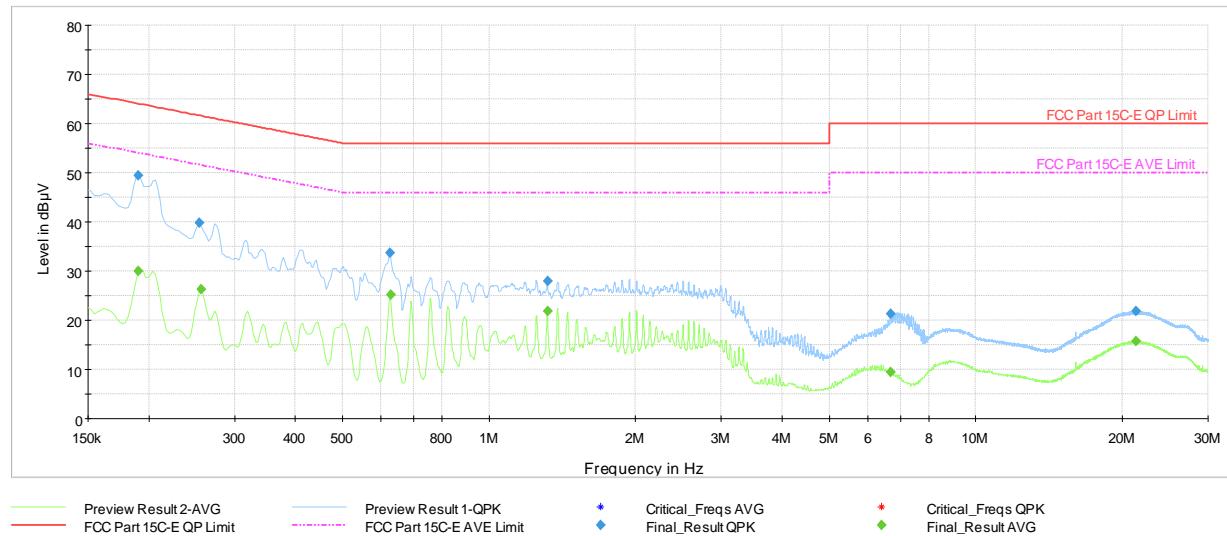


Plot 7-1170. AC Line Conducted Plot with 802.11ax(SU) CDD Primary – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.188	FINAL	49.8	—	64.11	-14.34	L1	GND
0.191	FINAL	—	34.89	54.02	-19.12	L1	GND
0.254	FINAL	—	27.47	51.64	-24.18	L1	GND
0.254	FINAL	44.4	—	61.64	-17.23	L1	GND
0.497	FINAL	—	23.88	46.06	-22.18	L1	GND
0.501	FINAL	34.5	—	56.00	-21.52	L1	GND
1.250	FINAL	30.6	—	56.00	-25.43	L1	GND
1.253	FINAL	—	26.55	46.00	-19.45	L1	GND
7.346	FINAL	26.0	—	60.00	-34.04	L1	GND
7.382	FINAL	—	16.91	50.00	-33.09	L1	GND
27.175	FINAL	21.9	—	60.00	-38.07	L1	GND
27.267	FINAL	—	15.28	50.00	-34.72	L1	GND

Table 7-378. AC Line Conducted Data with 802.11ax(SU) CDD Primary – Ch.36 (L1) with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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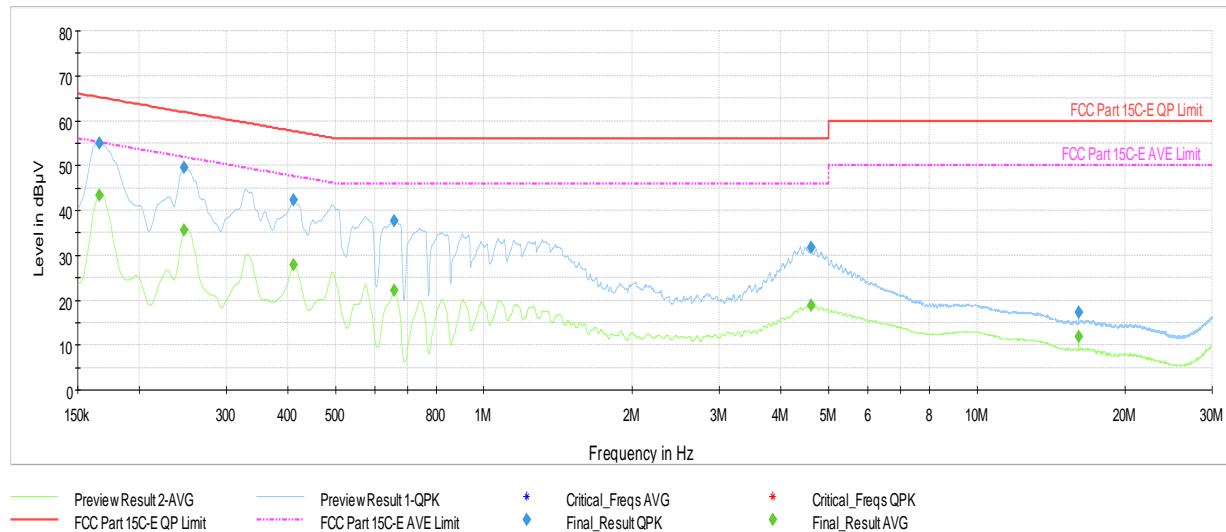


Plot 7-1171. AC Line Conducted Plot with 802.11ax(SU) CDD Primary – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.191	FINAL	—	30.02	54.02	-23.99	N	GND
0.191	FINAL	49.4	—	64.02	-14.63	N	GND
0.254	FINAL	39.8	—	61.64	-21.84	N	GND
0.256	FINAL	—	26.25	51.57	-25.32	N	GND
0.625	FINAL	33.8	—	56.00	-22.21	N	GND
0.627	FINAL	—	25.10	46.00	-20.90	N	GND
1.318	FINAL	27.9	—	56.00	-28.09	N	GND
1.318	FINAL	—	21.84	46.00	-24.16	N	GND
6.675	FINAL	21.4	—	60.00	-38.64	N	GND
6.680	FINAL	—	9.53	50.00	-40.47	N	GND
21.336	FINAL	—	15.81	50.00	-34.19	N	GND
21.343	FINAL	21.9	—	60.00	-38.15	N	GND

Table 7-379. AC Line Conducted Data with 802.11ax(SU) CDD Primary – Ch.36 (N), with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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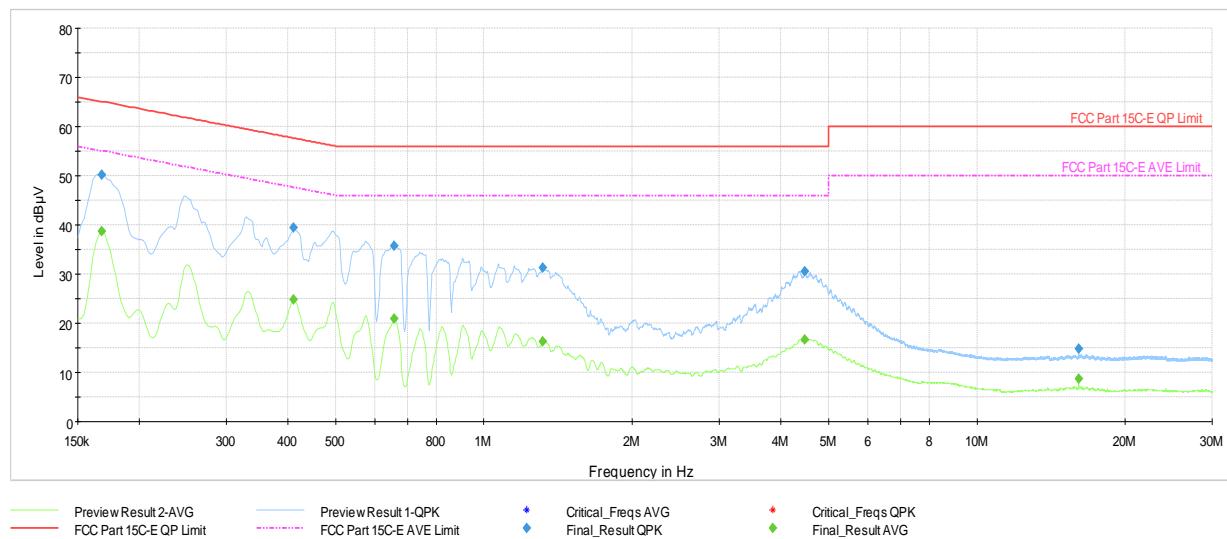


Plot 7-1172. AC Line Conducted Plot with 802.11n CDD Diversity – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.166	FINAL	—	43.43	55.17	-11.74	L1	GND
0.166	FINAL	54.9	—	65.17	-10.27	L1	GND
0.247	FINAL	—	35.66	51.87	-16.21	L1	GND
0.247	FINAL	49.6	—	61.87	-12.29	L1	GND
0.411	FINAL	—	27.78	47.63	-19.85	L1	GND
0.411	FINAL	42.2	—	57.63	-15.40	L1	GND
0.659	FINAL	37.7	—	56.00	-18.26	L1	GND
0.659	FINAL	—	22.24	46.00	-23.76	L1	GND
4.616	FINAL	31.6	—	56.00	-24.36	L1	GND
4.616	FINAL	—	18.81	46.00	-27.19	L1	GND
16.085	FINAL	—	11.87	50.00	-38.13	L1	GND
16.085	FINAL	17.3	—	60.00	-42.66	L1	GND

Table 7-380. AC Line Conducted Data with 802.11n CDD Diversity – Ch.36 (L1) with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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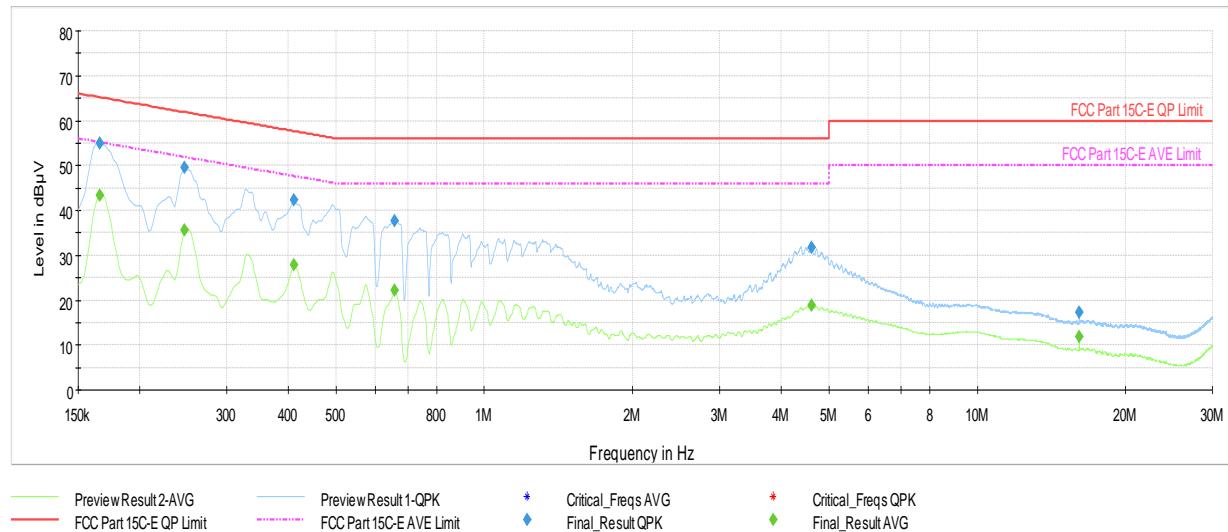


Plot 7-1173. AC Line Conducted Plot with 802.11n CDD Diversity – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	38.65	55.06	-16.41	N	GND
0.168	FINAL	50.1	—	65.06	-14.94	N	GND
0.411	FINAL	—	24.91	47.63	-22.72	N	GND
0.411	FINAL	39.4	—	57.63	-18.27	N	GND
0.659	FINAL	—	21.02	46.00	-24.98	N	GND
0.659	FINAL	35.8	—	56.00	-20.17	N	GND
1.316	FINAL	31.3	—	56.00	-24.67	N	GND
1.316	FINAL	—	16.25	46.00	-29.75	N	GND
4.479	FINAL	30.6	—	56.00	-25.40	N	GND
4.479	FINAL	—	16.71	46.00	-29.29	N	GND
16.085	FINAL	—	8.72	50.00	-41.28	N	GND
16.085	FINAL	14.8	—	60.00	-45.24	N	GND

Table 7-381. AC Line Conducted Data with 802.11n CDD Diversity – Ch.36 (N), with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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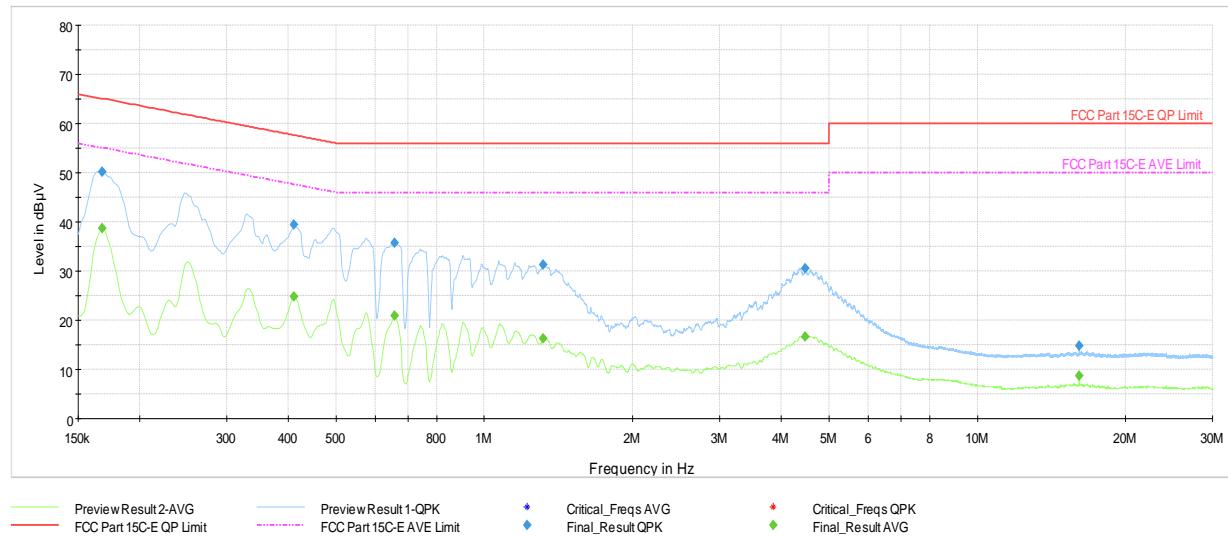


Plot 7-1174. AC Line Conducted Plot with 802.11ax(SU) CDD Diversity – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.166	FINAL	—	43.43	55.17	-11.74	L1	GND
0.166	FINAL	54.9	—	65.17	-10.27	L1	GND
0.247	FINAL	—	35.66	51.87	-16.21	L1	GND
0.247	FINAL	49.6	—	61.87	-12.29	L1	GND
0.411	FINAL	—	27.78	47.63	-19.85	L1	GND
0.411	FINAL	42.2	—	57.63	-15.40	L1	GND
0.659	FINAL	37.7	—	56.00	-18.26	L1	GND
0.659	FINAL	—	22.24	46.00	-23.76	L1	GND
4.616	FINAL	31.6	—	56.00	-24.36	L1	GND
4.616	FINAL	—	18.81	46.00	-27.19	L1	GND
16.085	FINAL	—	11.87	50.00	-38.13	L1	GND
16.085	FINAL	17.3	—	60.00	-42.66	L1	GND

Table 7-382. AC Line Conducted Data with 802.11ax(SU) CDD Diversity – Ch.36 (L1) with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1175. AC Line Conducted Plot with 802.11ax(SU) CDD Diversity – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	38.65	55.06	-16.41	N	GND
0.168	FINAL	50.1	—	65.06	-14.94	N	GND
0.411	FINAL	—	24.91	47.63	-22.72	N	GND
0.411	FINAL	39.4	—	57.63	-18.27	N	GND
0.659	FINAL	—	21.02	46.00	-24.98	N	GND
0.659	FINAL	35.8	—	56.00	-20.17	N	GND
1.316	FINAL	31.3	—	56.00	-24.67	N	GND
1.316	FINAL	—	16.25	46.00	-29.75	N	GND
4.479	FINAL	30.6	—	56.00	-25.40	N	GND
4.479	FINAL	—	16.71	46.00	-29.29	N	GND
16.085	FINAL	—	8.72	50.00	-41.28	N	GND
16.085	FINAL	14.8	—	60.00	-45.24	N	GND

Table 7-383. AC Line Conducted Data with 802.11ax(SU) CDD Diversity – Ch.36 (N), with AC/DC adapter

FCC ID: BCGA2898 IC: 579C-A2898	 element	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: BCGA2898** and **IC: 579C-A2898** 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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