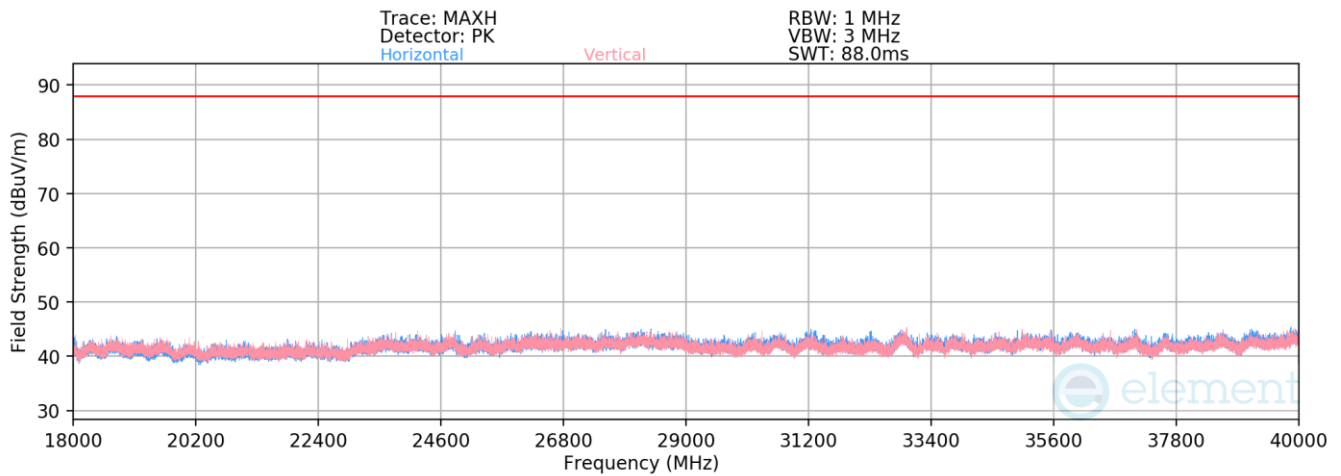


Plot 7-1707. Radiated Spurious Emissions above 1GHz SDM Diversity (802.11ax – Ch. 229 – RU242)



Plot 7-1708. Radiated Spurious Emissions 18-40GHz SDM Diversity (802.11ax – Ch. 229 – RU242)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

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]
5336.00	Peak	H	-	-	-74.73	19.67	51.94	88.23	-36.29
5336.00	Average	H	-	-	-85.44	19.67	41.23	68.23	-27.00

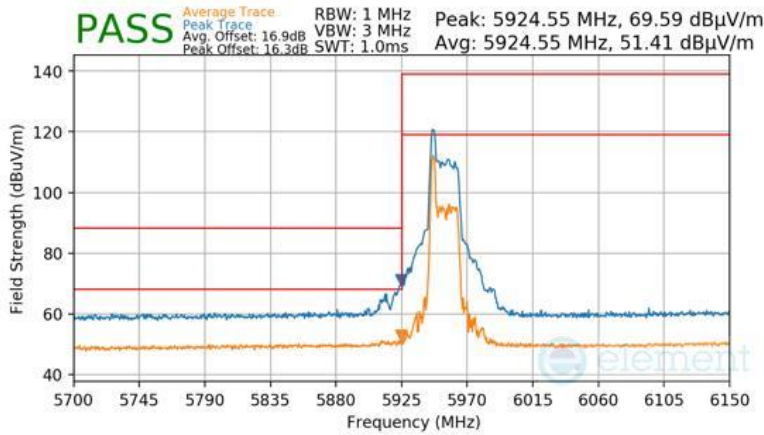
Table 7-279. Radiated Spurious Emission Measurements SDM Diversity – RU242

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 531 of 615

7.7.6 Antenna WF5B Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

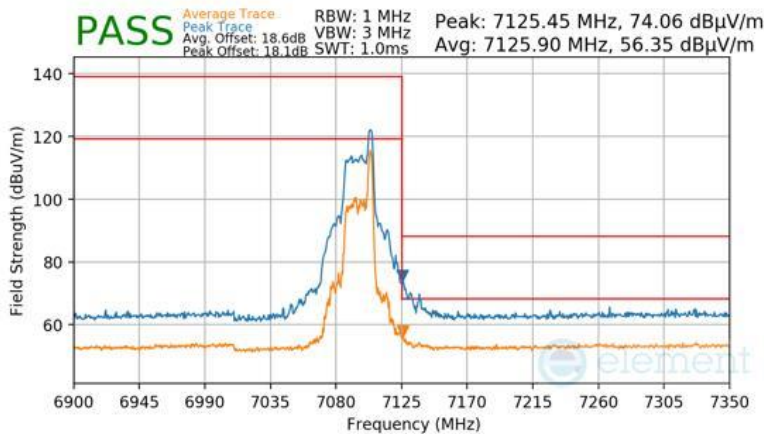
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1709. Antenna WF5B Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

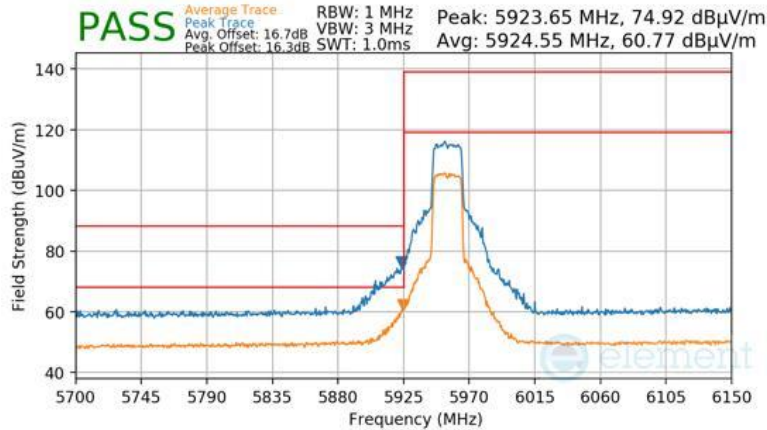


Plot 7-1710. Antenna WF5B Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

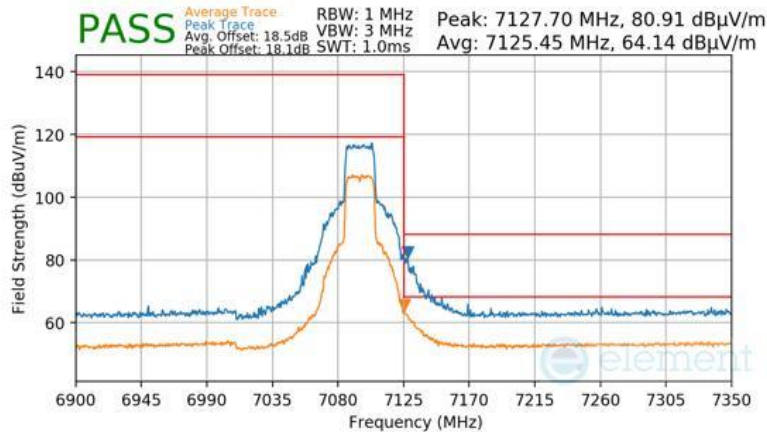
RU242

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1711. Antenna WF5B Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU242)

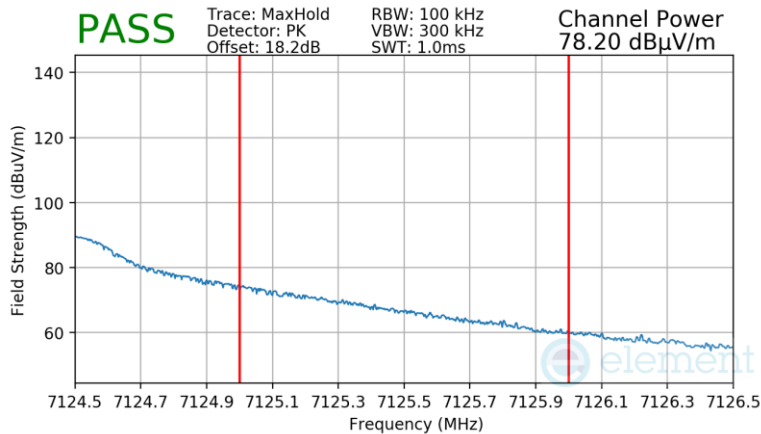
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



Plot 7-1712. Antenna WF5B Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU242)

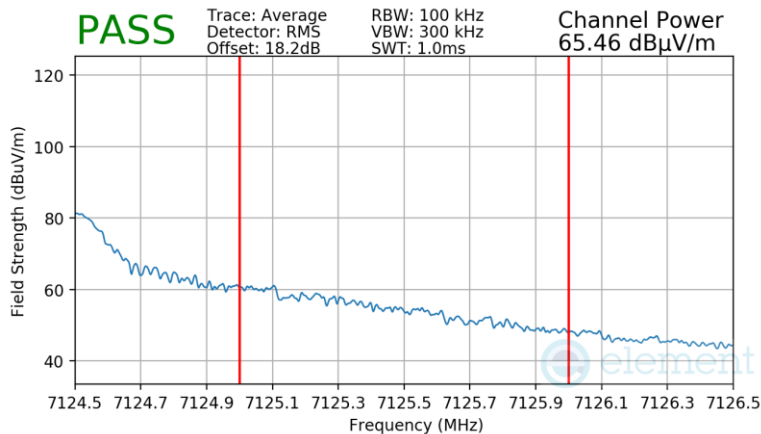
FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



Plot 7-1713. Antenna WF5B Radiated Upper Band Edge (Peak – UNII Band 8 – RU242)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



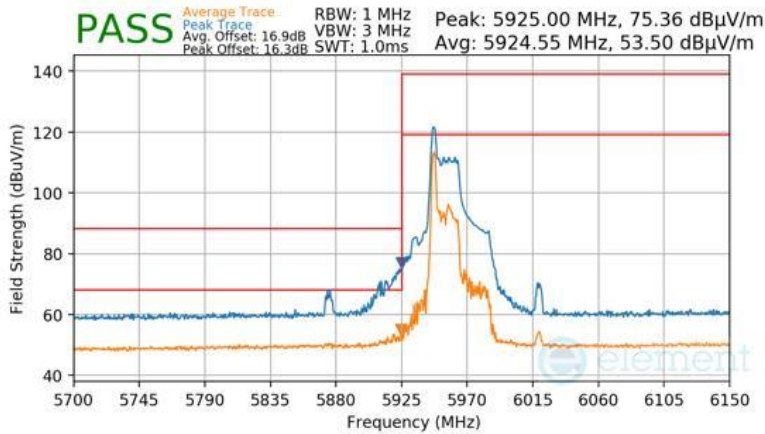
Plot 7-1714. Antenna WF5B Radiated Upper Band Edge (Average – UNII Band 8 – RU242)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

7.7.7 Antenna WF5B Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

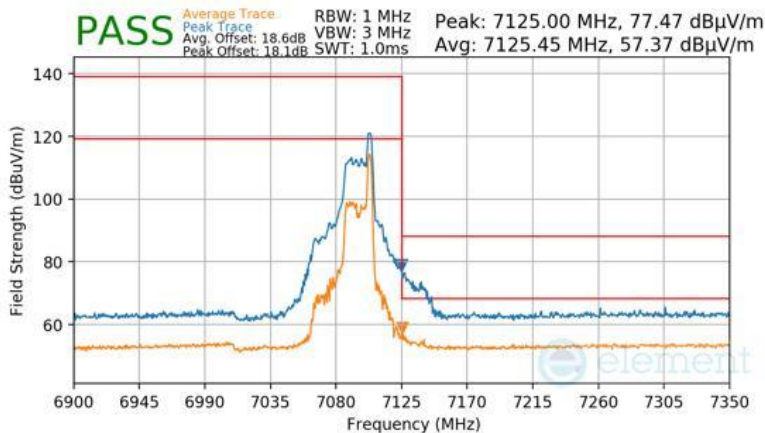
RU26

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS11
Distance of Measurements:	3 Meters
Operating Frequency:	5965MHz
Channel:	3



Plot 7-1715. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS11
Distance of Measurements:	3 Meters
Operating Frequency:	7085MHz
Channel:	227

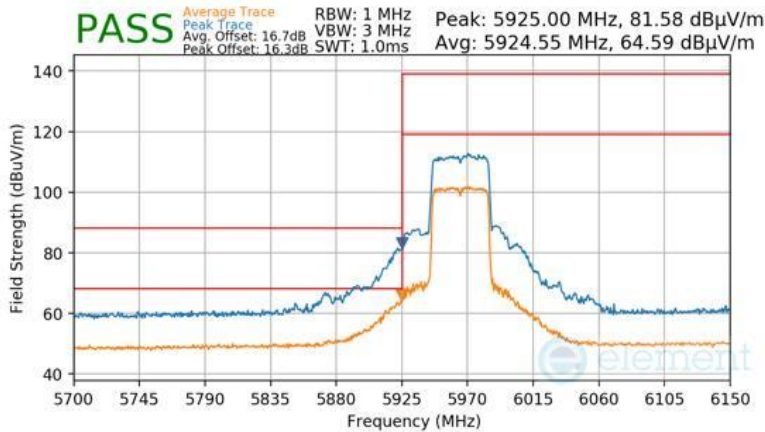


Plot 7-1716. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 535 of 615

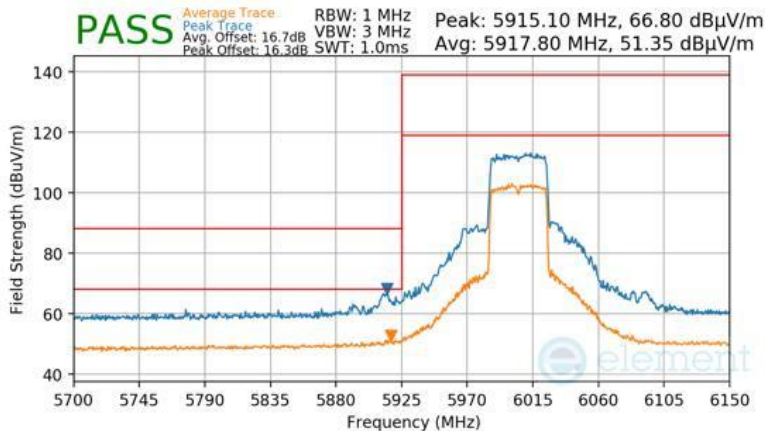
RU484

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1717. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

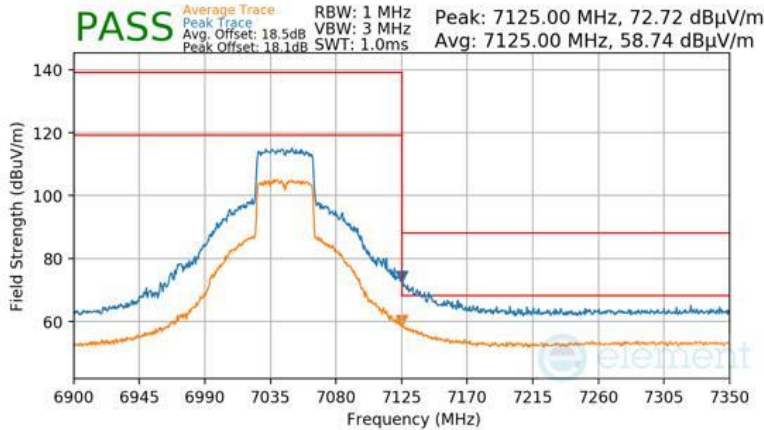
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



Plot 7-1718. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU484)

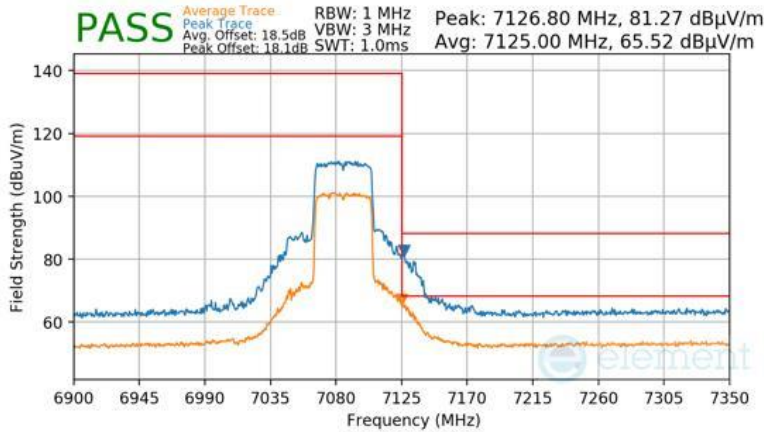
FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7045MHz
 Channel: 219



Plot 7-1719. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227



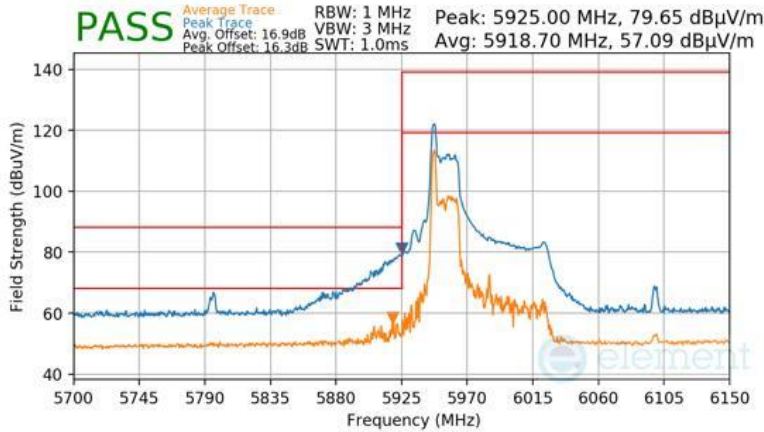
Plot 7-1720. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

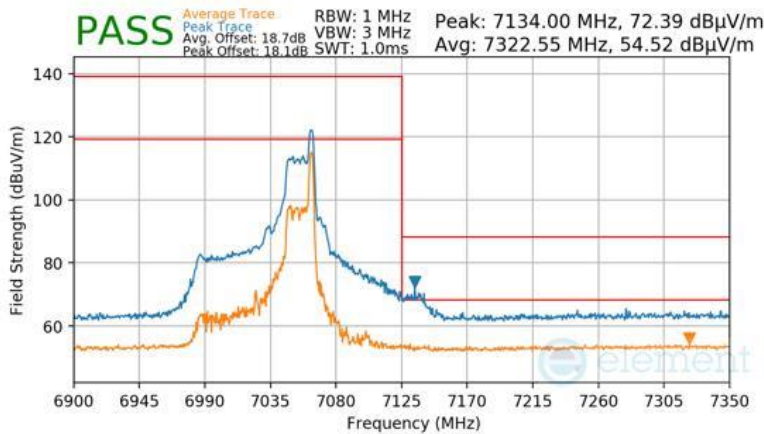
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1721. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215

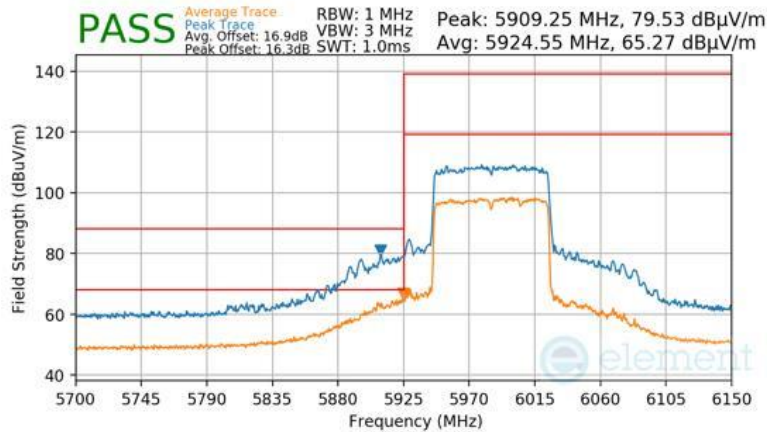


Plot 7-1722. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 538 of 615

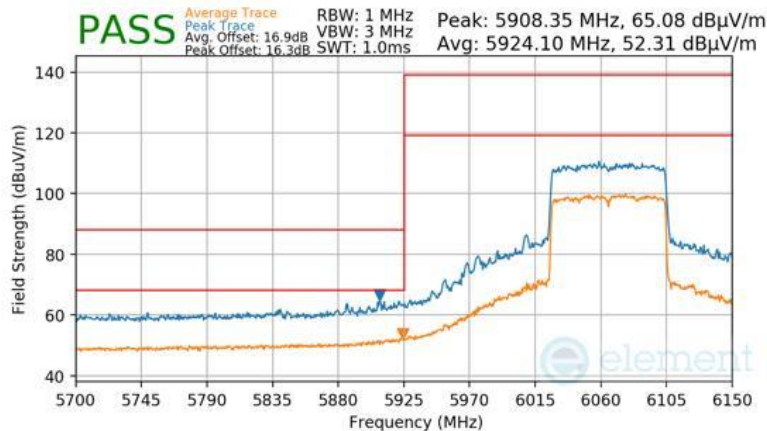
RU996

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1723. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

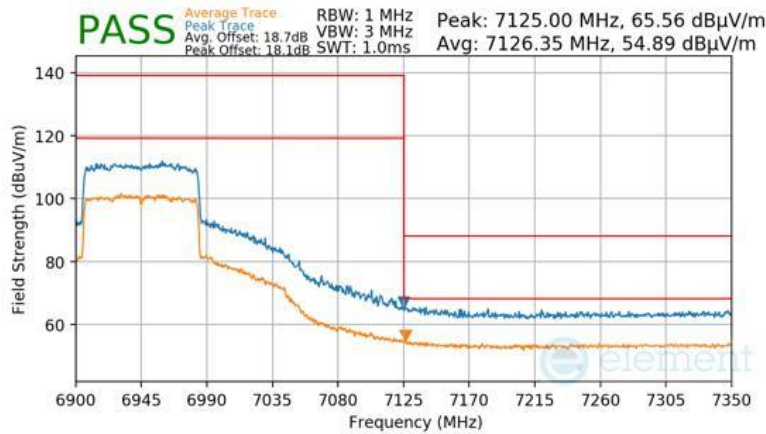
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6065MHz
 Channel: 23



Plot 7-1724. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

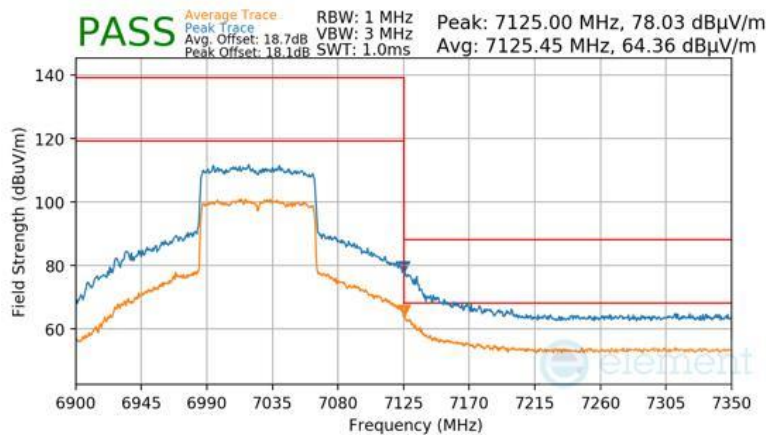
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 539 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6945MHz
 Channel: 199



Plot 7-1725. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215



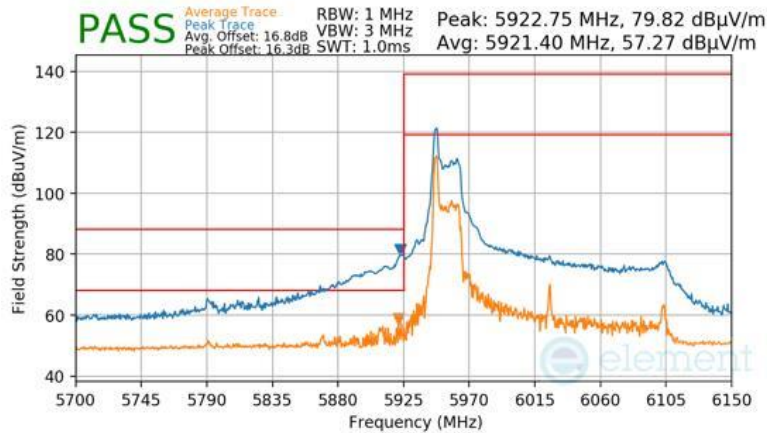
Plot 7-1726. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

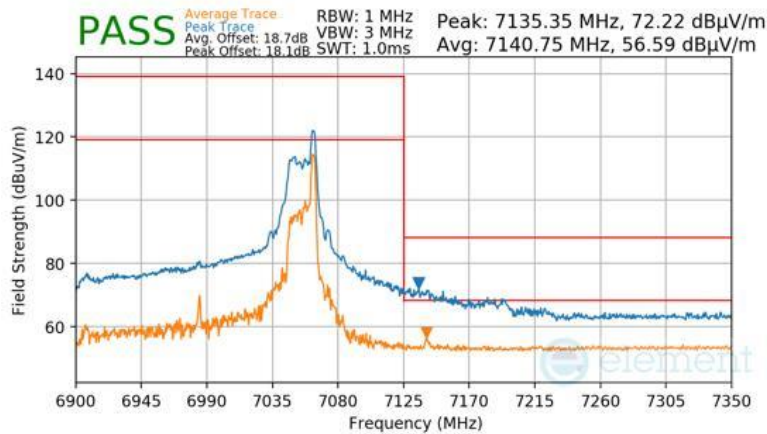
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1727. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207

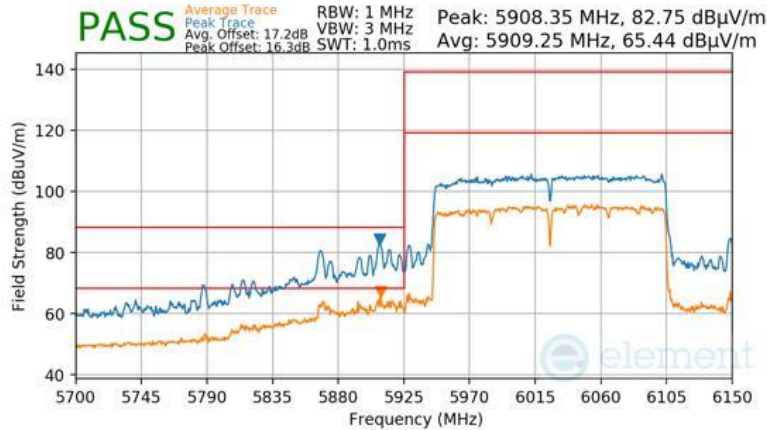


Plot 7-1728. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 541 of 615

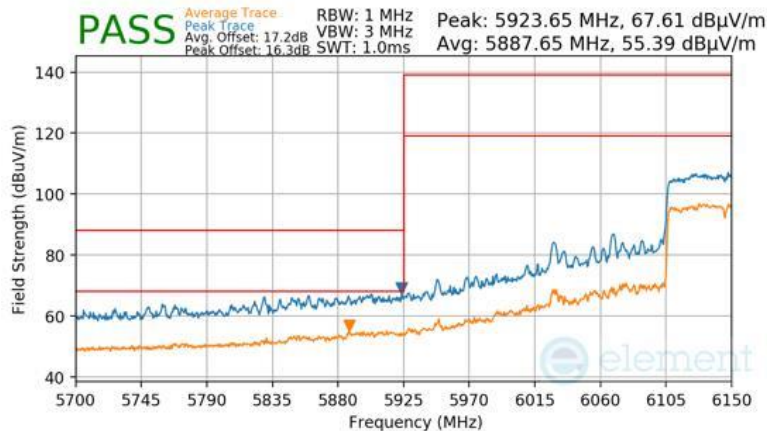
RU996x2

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1729. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

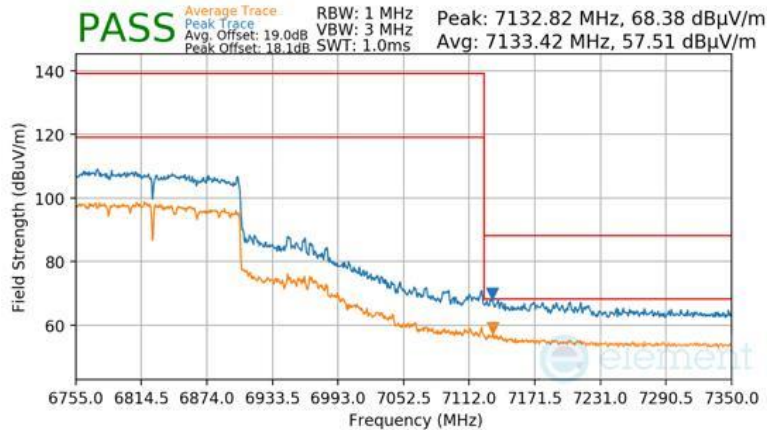
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1730. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

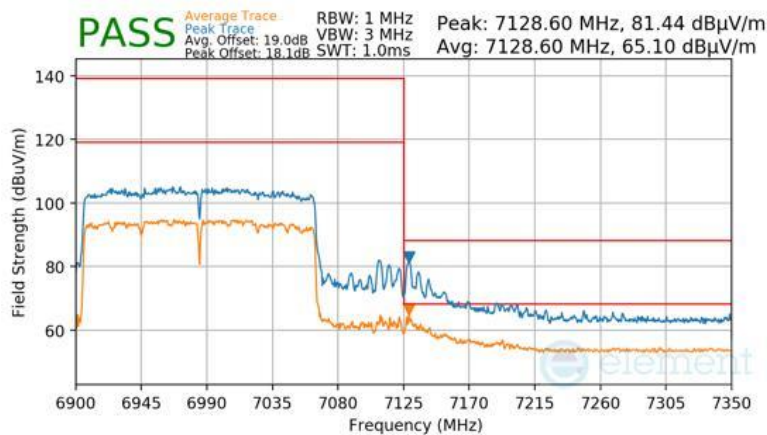
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 542 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6825MHz
 Channel: 175



Plot 7-1731. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207



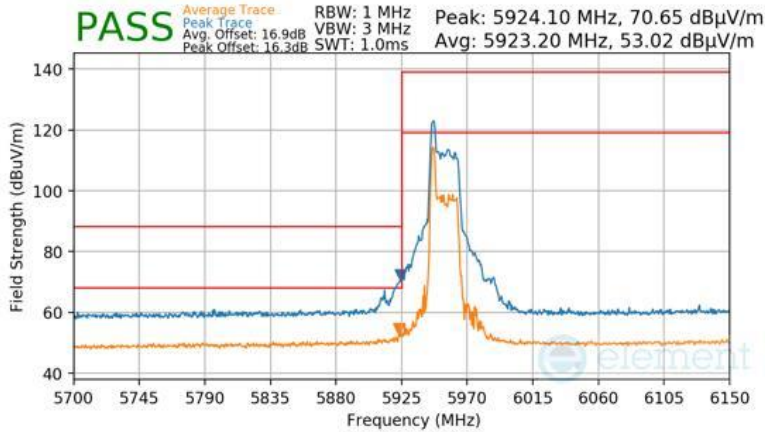
Plot 7-1732. Antenna WF5B Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

7.7.10 Antenna 4a Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

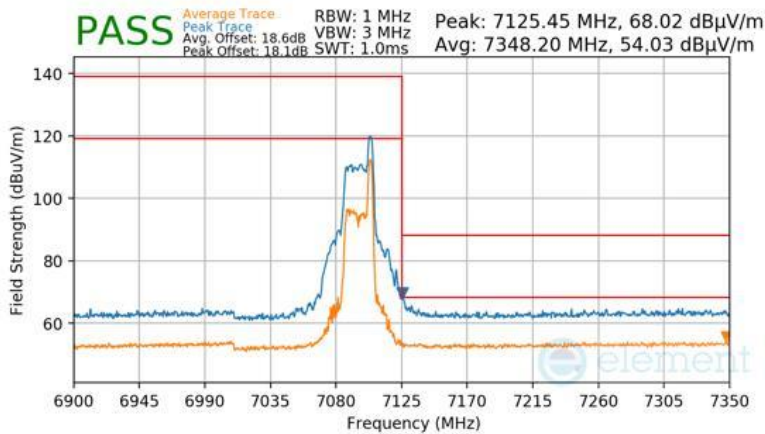
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1733. Antenna 4a Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

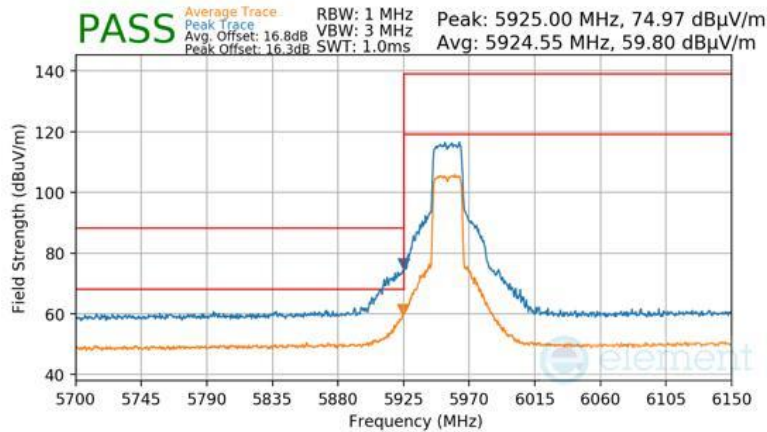


Plot 7-1734. Antenna 4a Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 544 of 615

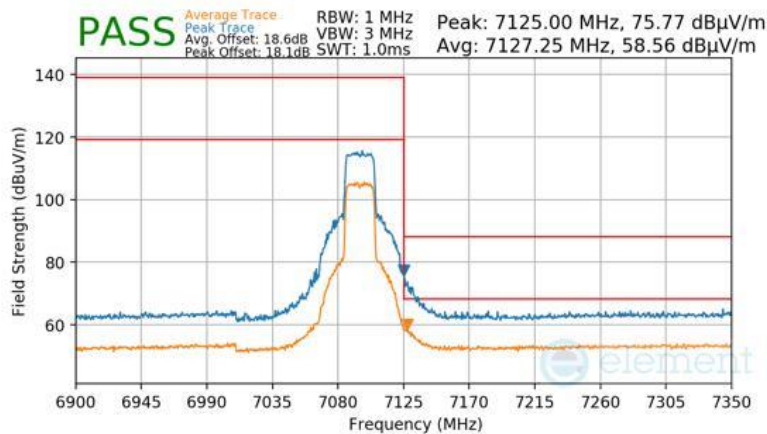
RU242

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1735. Antenna 4a Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU242)

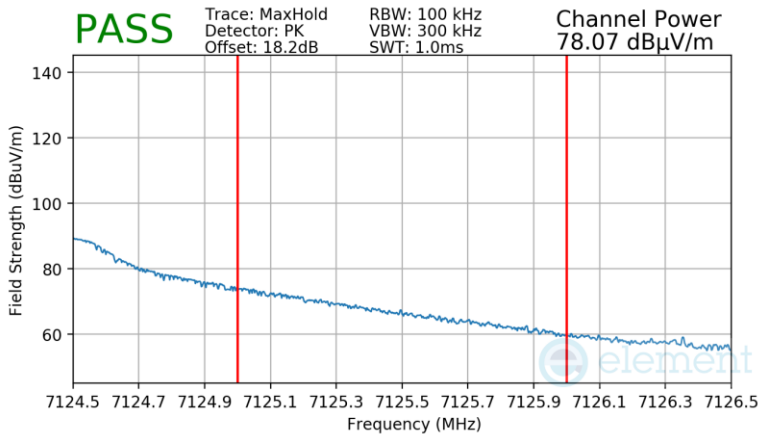
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



Plot 7-1736. Antenna 4a Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU242)

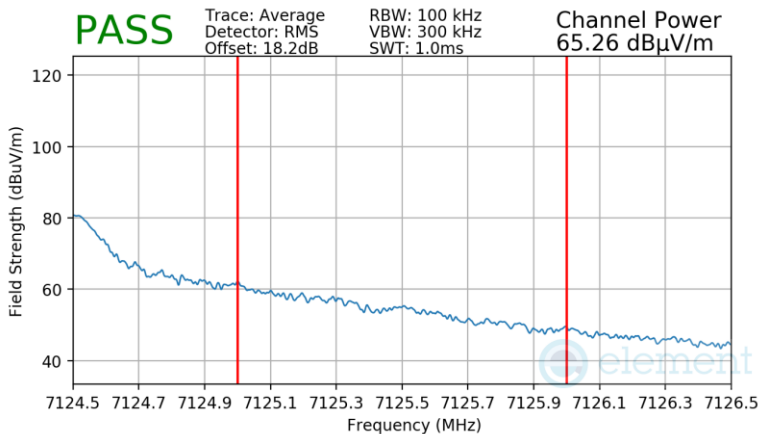
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 545 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



Plot 7-1737. Antenna 4a Radiated Upper Band Edge (Peak – UNII Band 8 – RU242)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



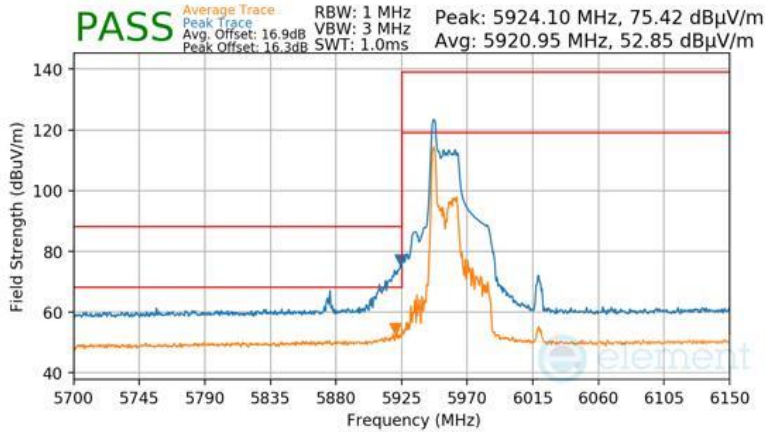
Plot 7-1738. Antenna 4a Radiated Upper Band Edge (Average – UNII Band 8 – RU242)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

7.7.11 Antenna 4a Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

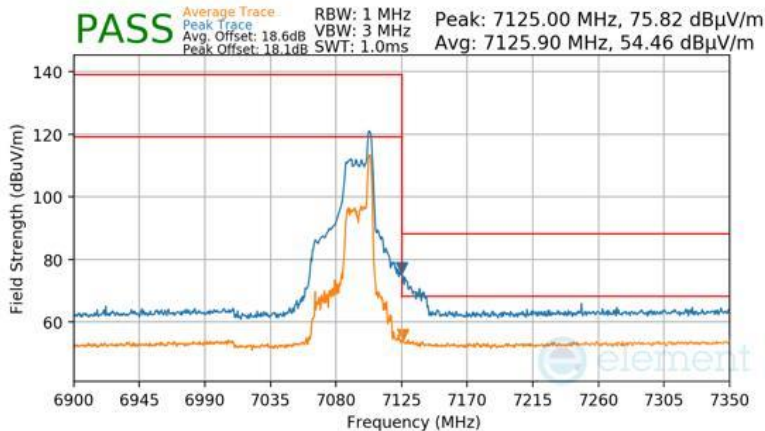
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1739. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227

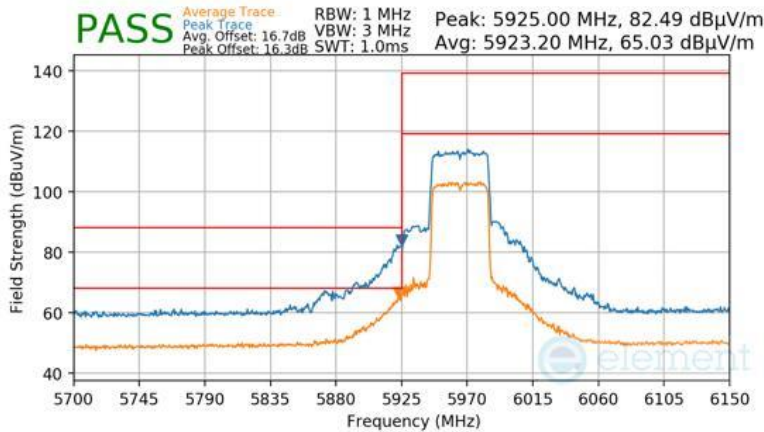


Plot 7-1740. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 547 of 615

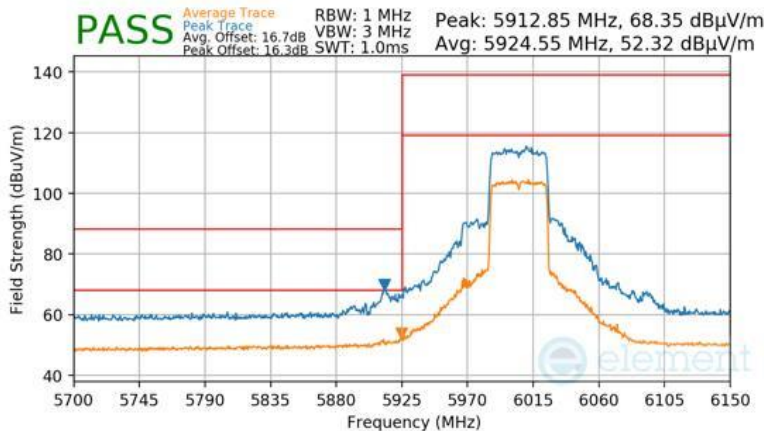
RU484

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1741. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

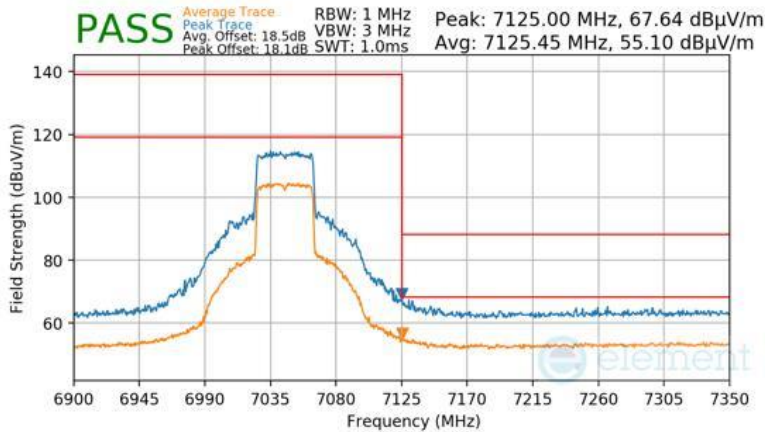
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



Plot 7-1742. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU484)

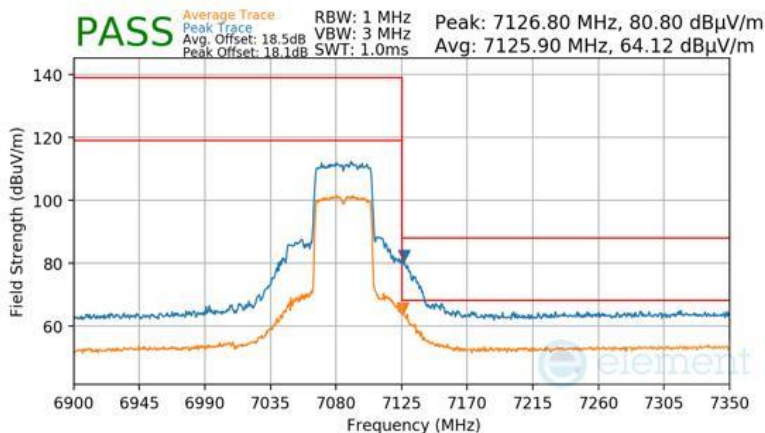
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 548 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 7045MHz
 Channel: 219



Plot 7-1743. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227



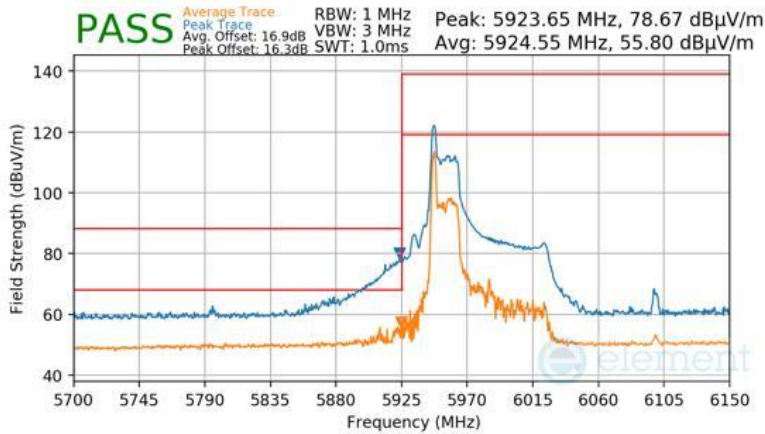
Plot 7-1744. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

7.7.12 Antenna 4a Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

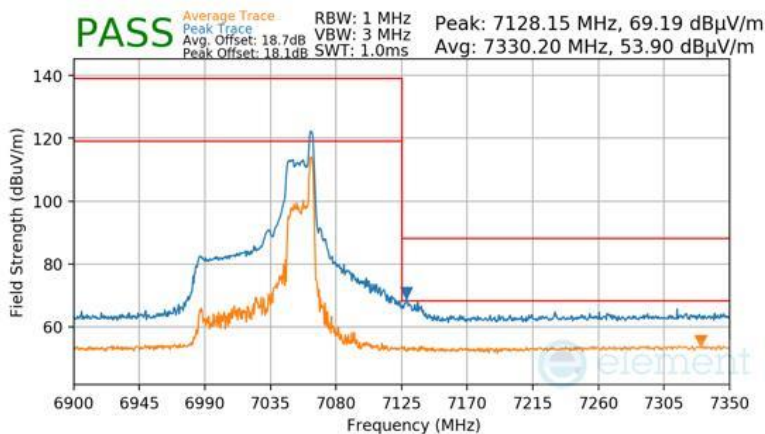
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1745. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215

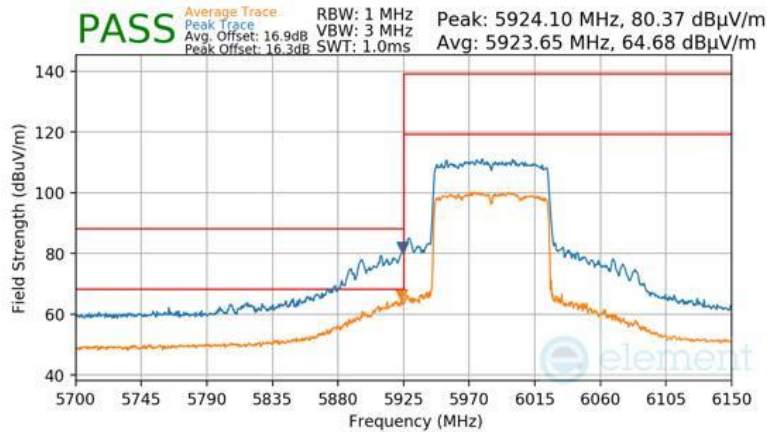


Plot 7-1746. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 550 of 615

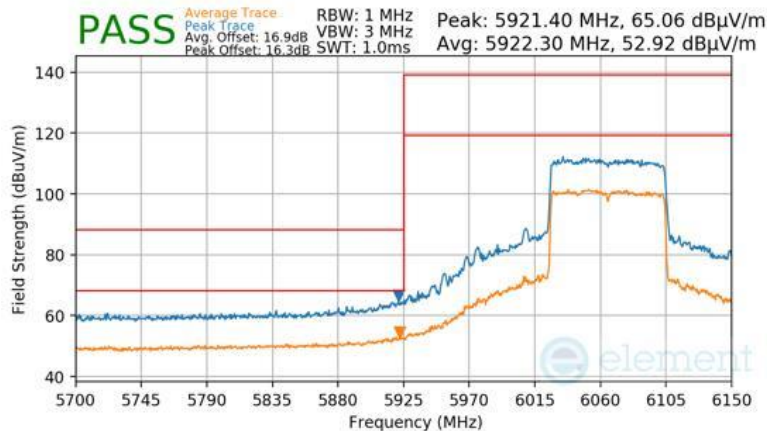
RU996

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1747. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

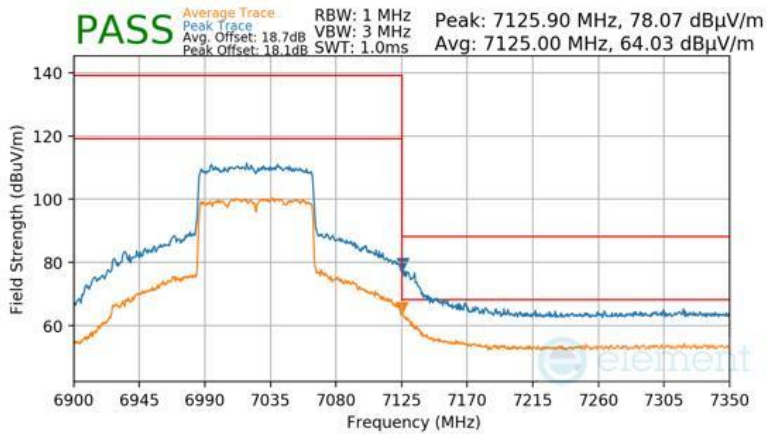
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6065MHz
 Channel: 23



Plot 7-1748. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 551 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215



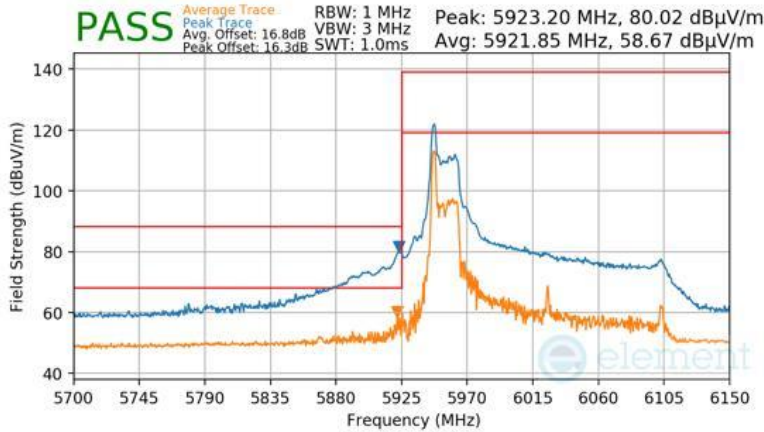
Plot 7-1749. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

7.7.13 Antenna 4a Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

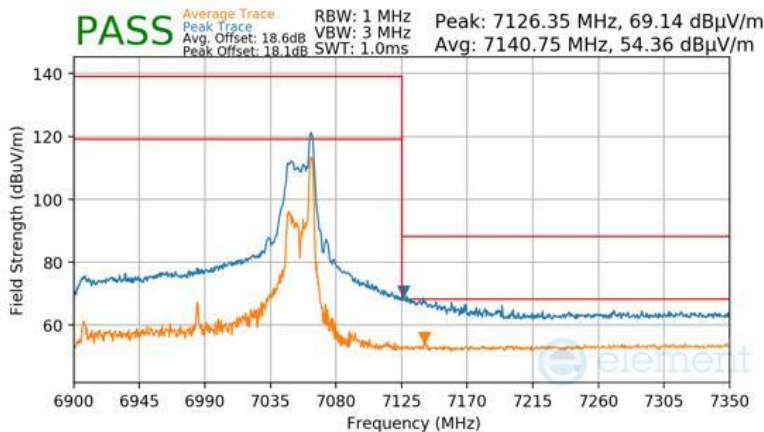
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1750. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207

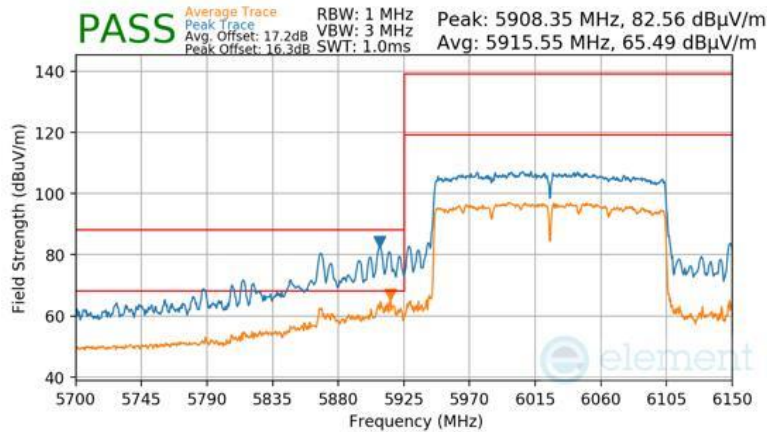


Plot 7-1751. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 553 of 615

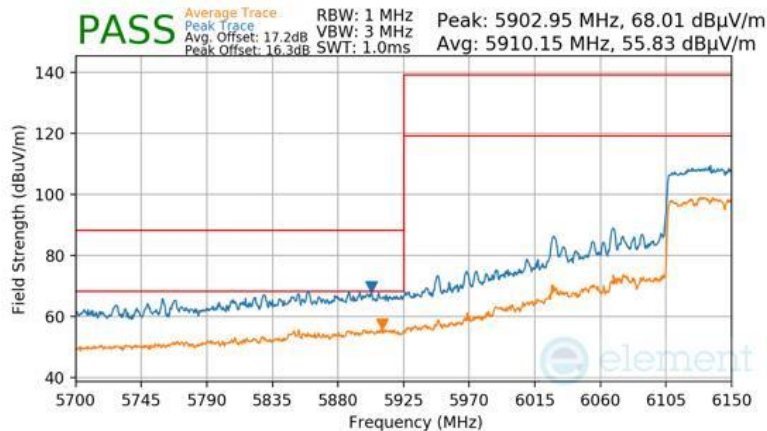
RU996x2

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1752. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

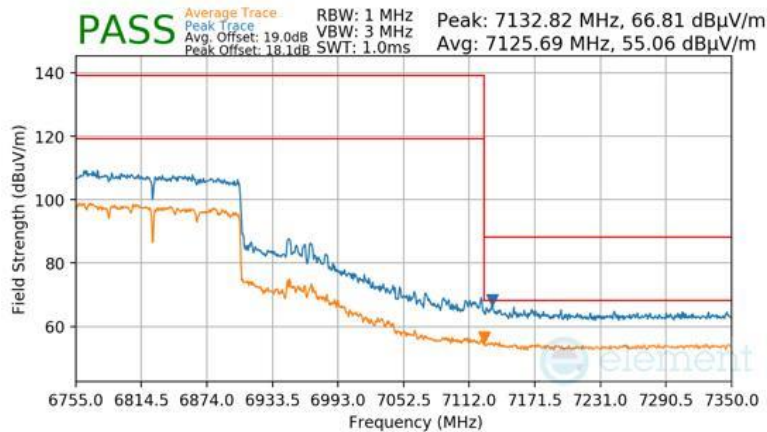
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1753. Antenna 4a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

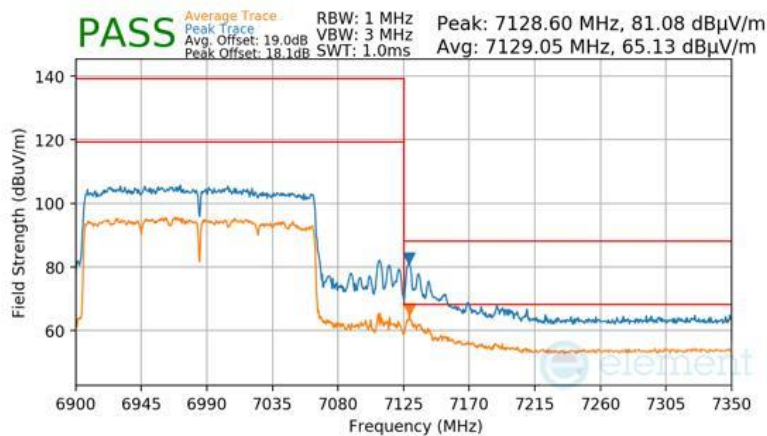
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 554 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6825MHz
 Channel: 175



Plot 7-1754. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 5 – RU996x2)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207



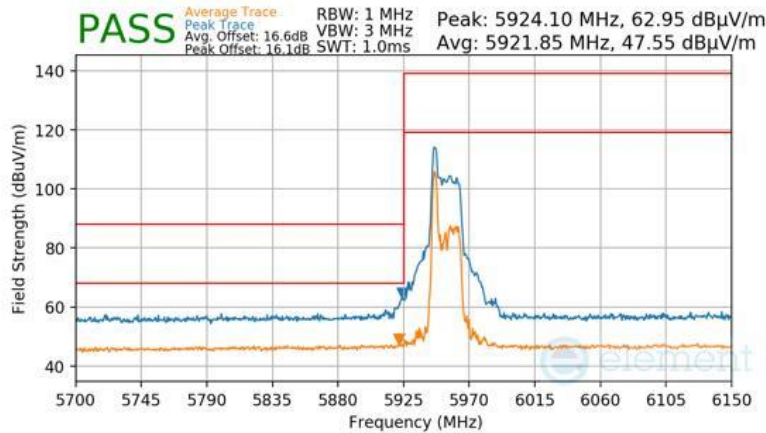
Plot 7-1755. Antenna 4a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 555 of 615

7.7.14 Antenna 2a Radiated Band Edge Measurements (20MHz BW) \$15.407(b.1)(b.2) \$15.205 \$15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

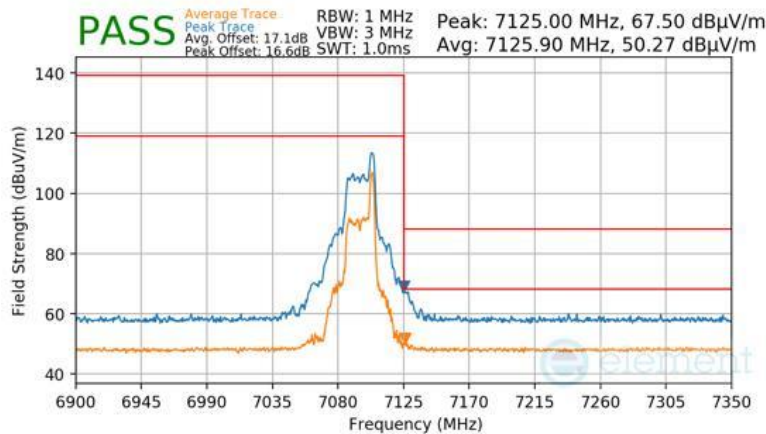
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1756. Antenna 2a Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

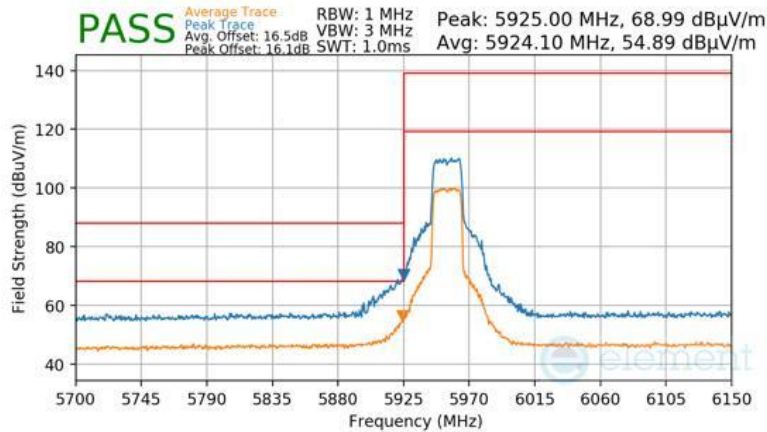


Plot 7-1757. Antenna 2a Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 556 of 615

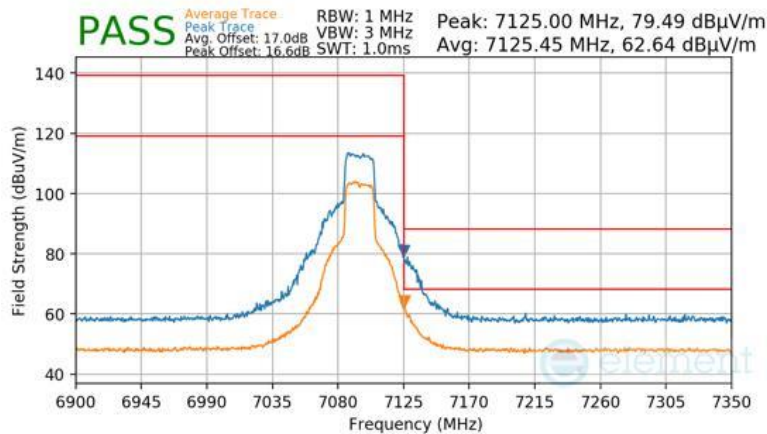
RU242

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1758. Antenna 2a Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU242)

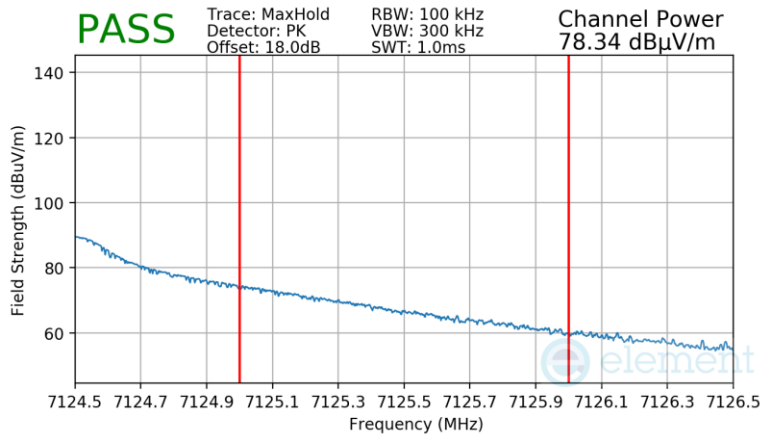
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



Plot 7-1759. Antenna 2a Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU242)

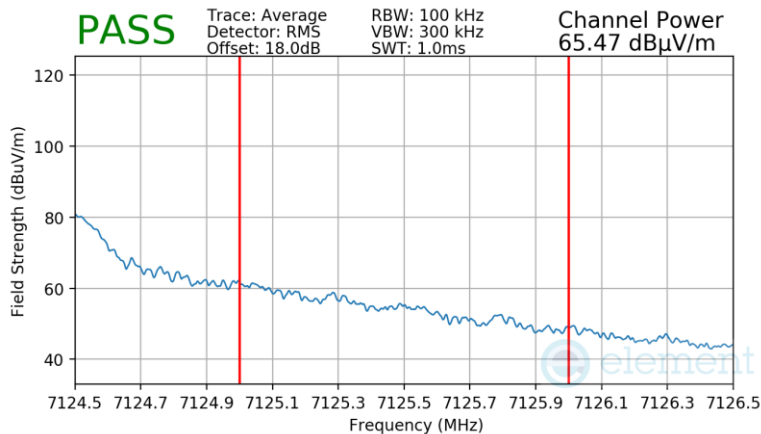
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 557 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



Plot 7-1760. Antenna 2a Radiated Upper Band Edge (Peak – UNII Band 8 – RU242)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



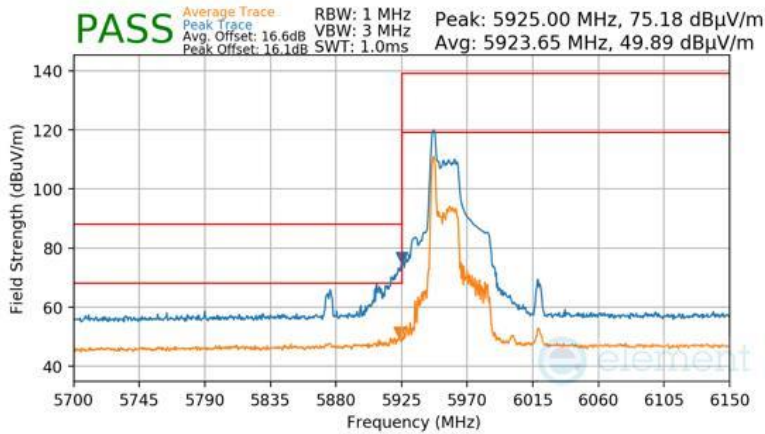
Plot 7-1761. Antenna 2a Radiated Upper Band Edge (Average – UNII Band 8 – RU242)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

7.7.15 Antenna 2a Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

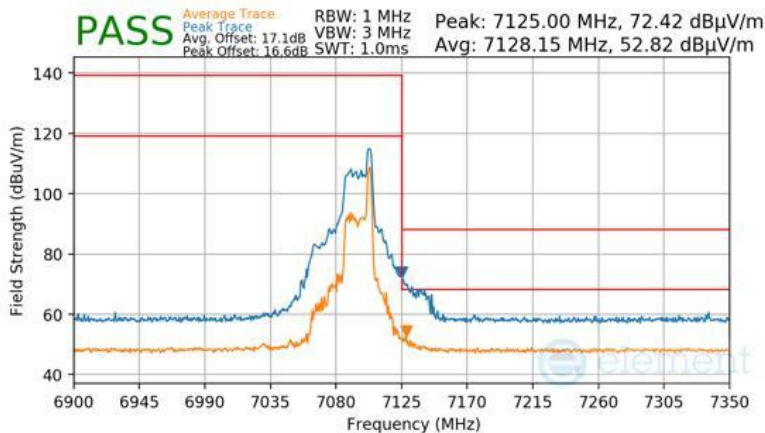
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1762. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227

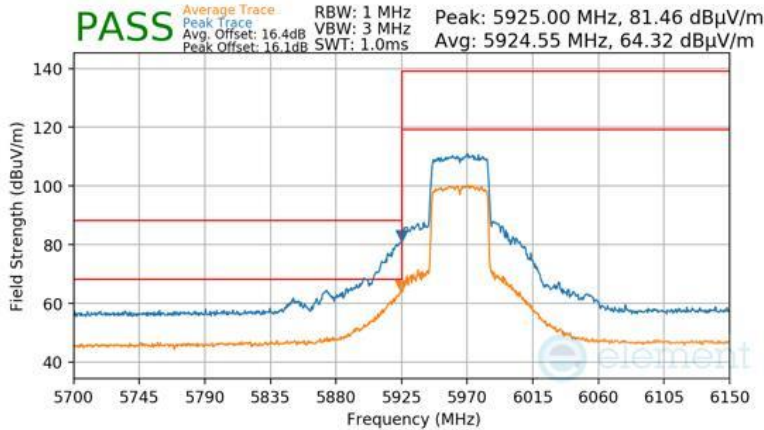


Plot 7-1763. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 559 of 615

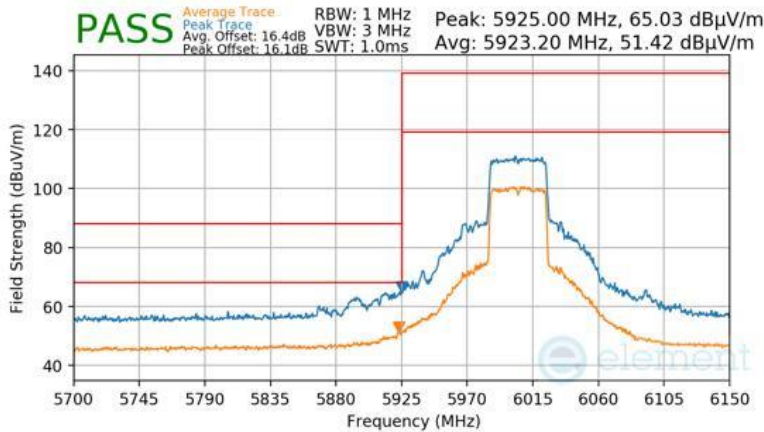
RU484

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1764. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

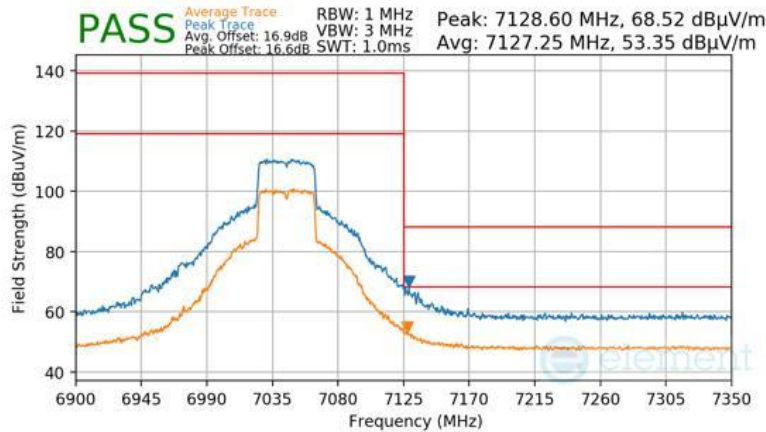
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



Plot 7-1765. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

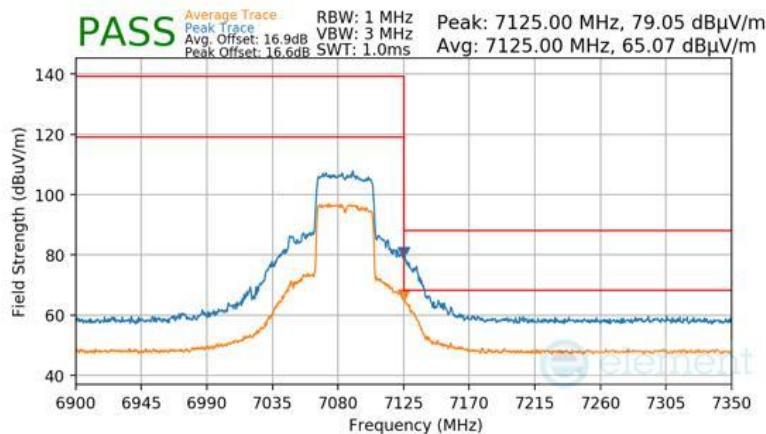
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 560 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7045MHz
 Channel: 219



Plot 7-1766. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227



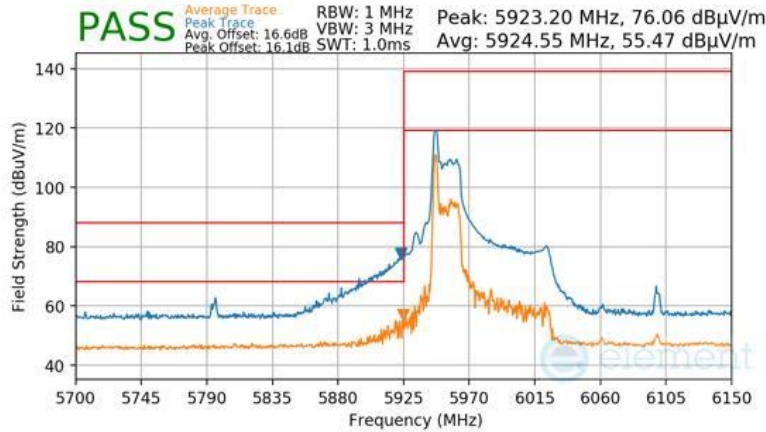
Plot 7-1767. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 561 of 615

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

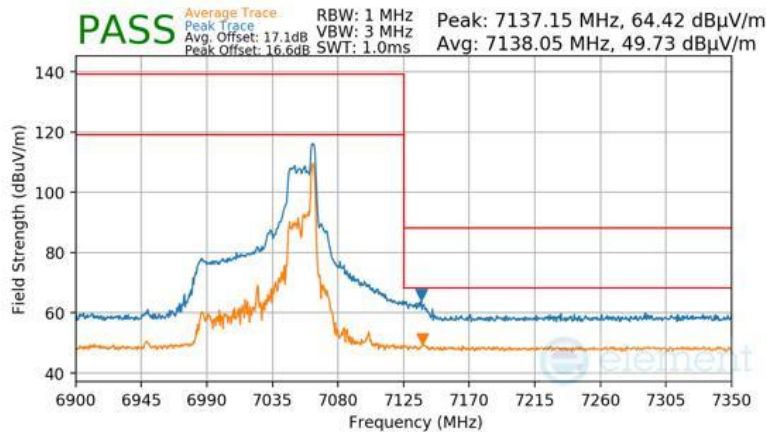
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1768. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215

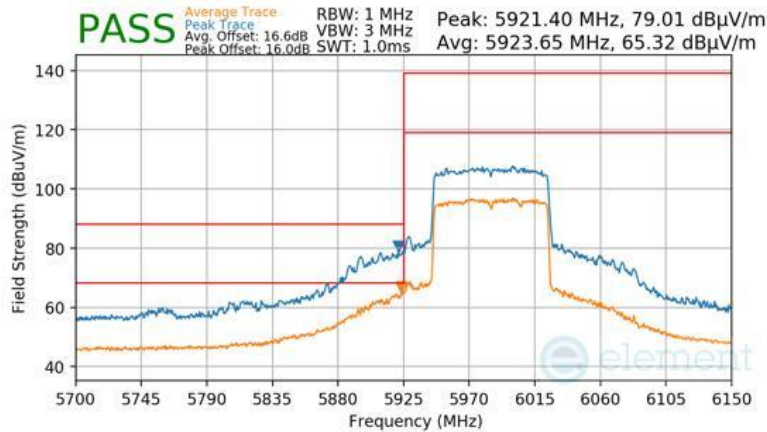


Plot 7-1769. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 562 of 615

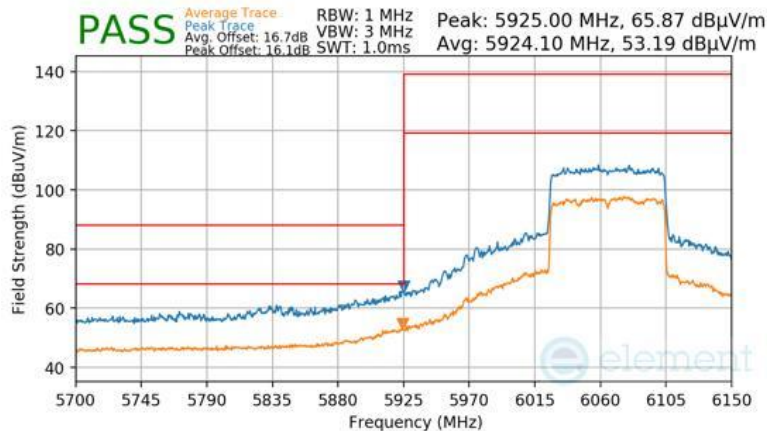
RU996

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1770. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

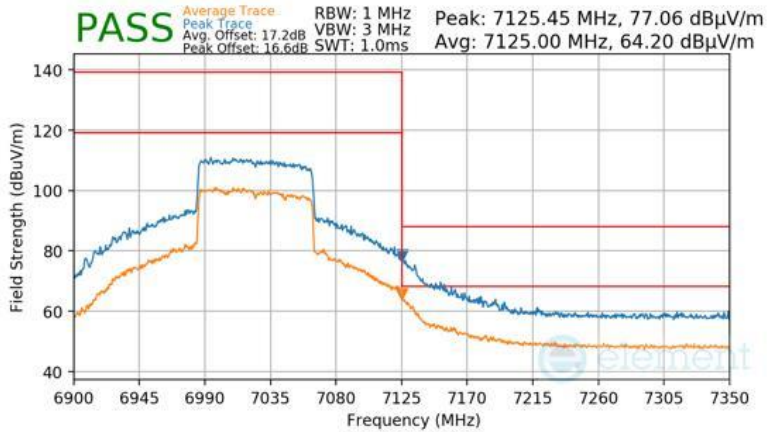
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6065MHz
 Channel: 23



Plot 7-1771. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 563 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215



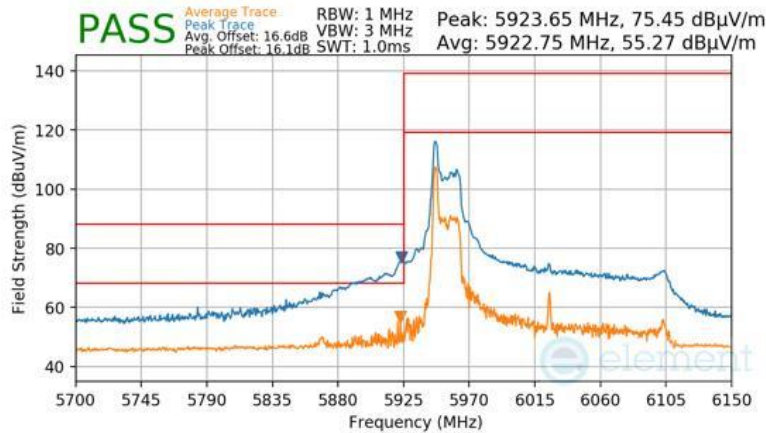
Plot 7-1772. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

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

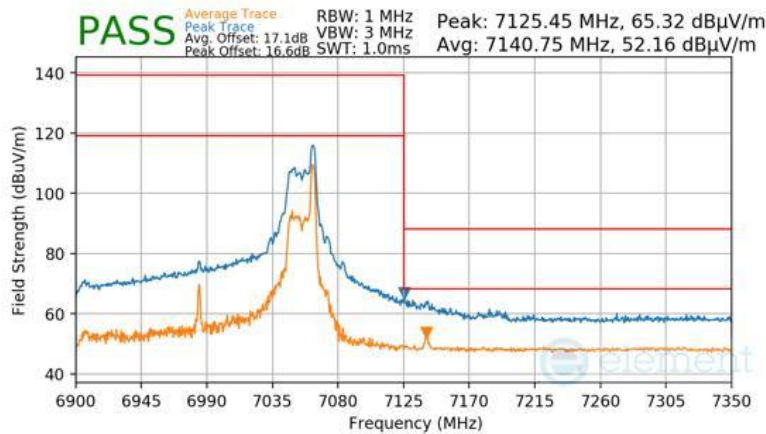
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1773. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207

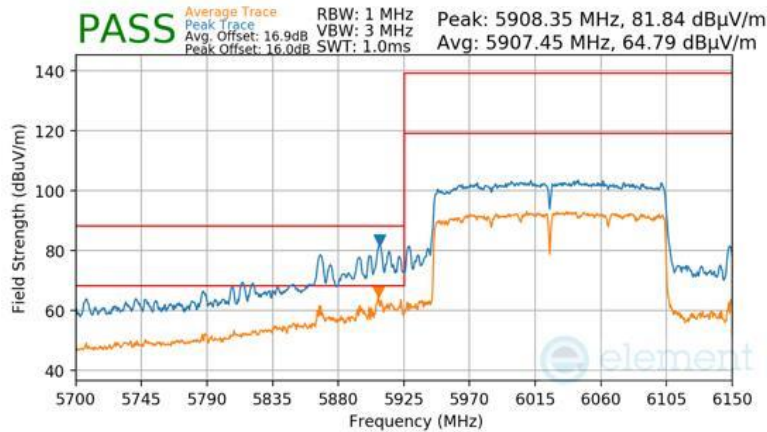


Plot 7-1774. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 565 of 615

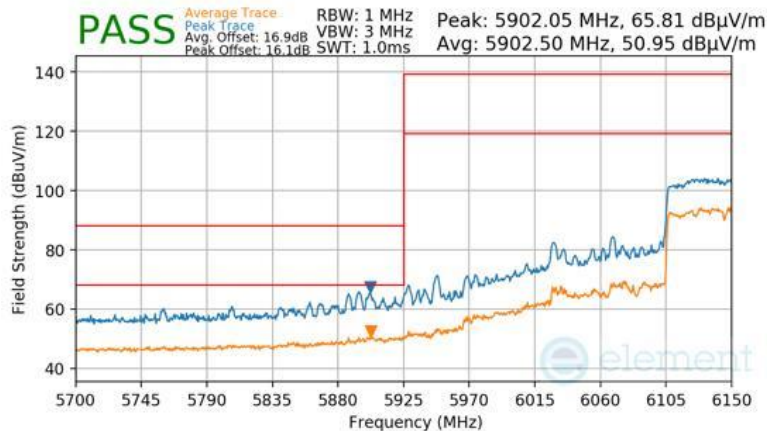
RU996x2

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1775. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

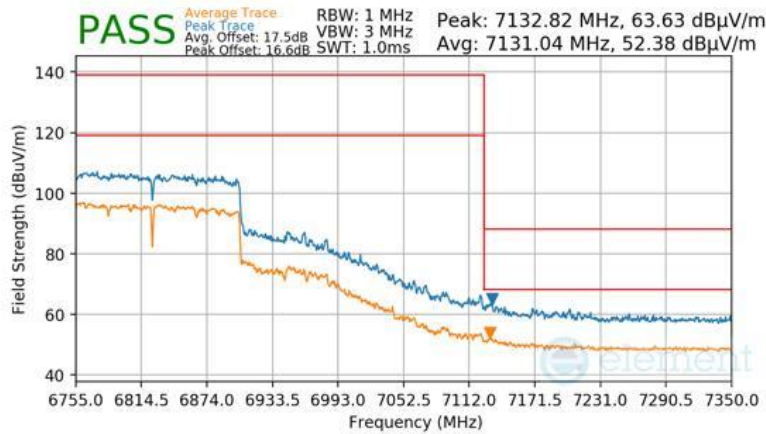
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1776. Antenna 2a Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

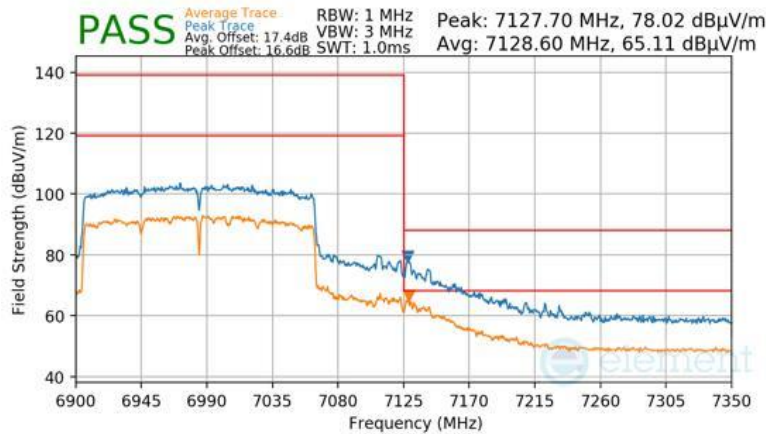
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 566 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6825MHz
 Channel: 175



Plot 7-1777. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 5 – RU996x2)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207



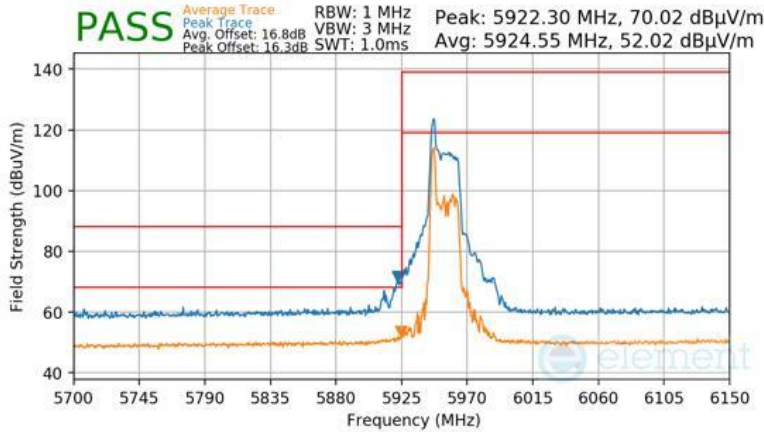
Plot 7-1778. Antenna 2a Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

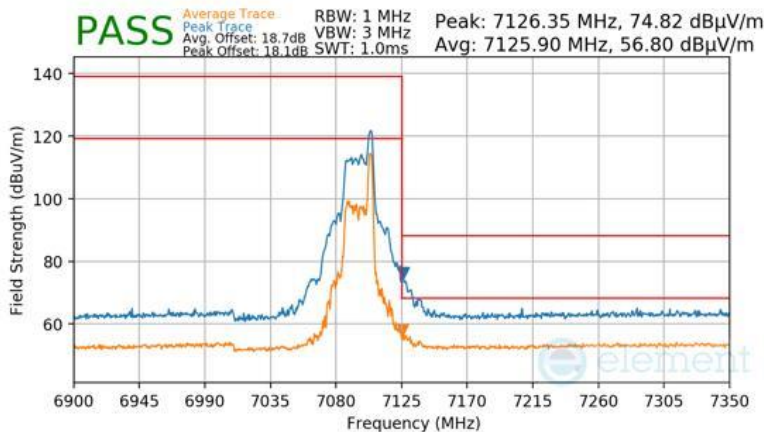
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1779. SDM Primary Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

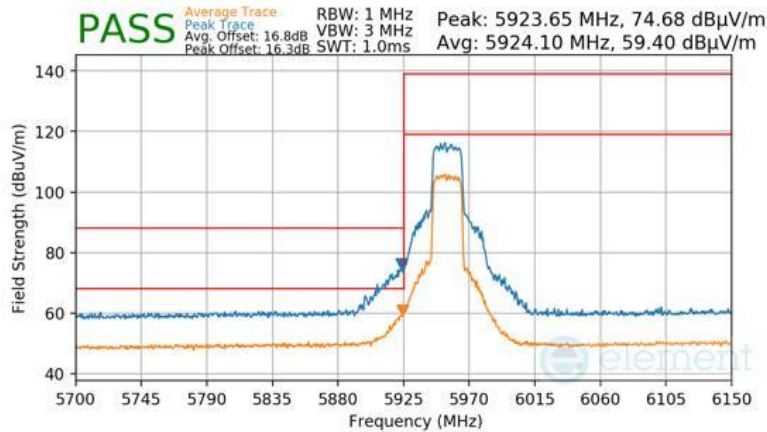


Plot 7-1780. SDM Primary Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 568 of 615

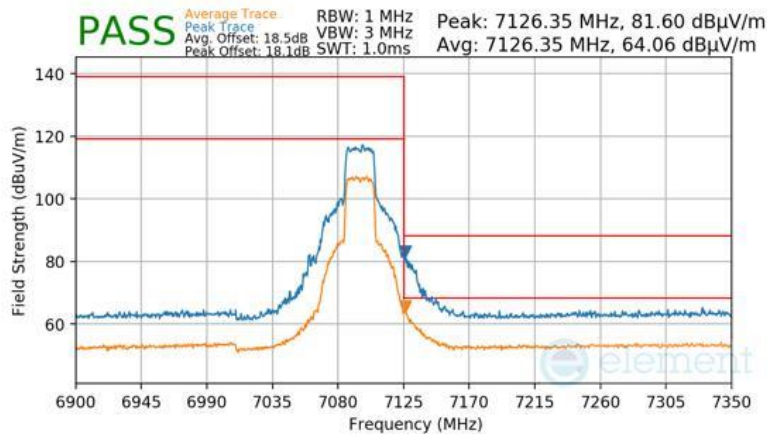
RU242

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1781. SDM Primary Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU242)

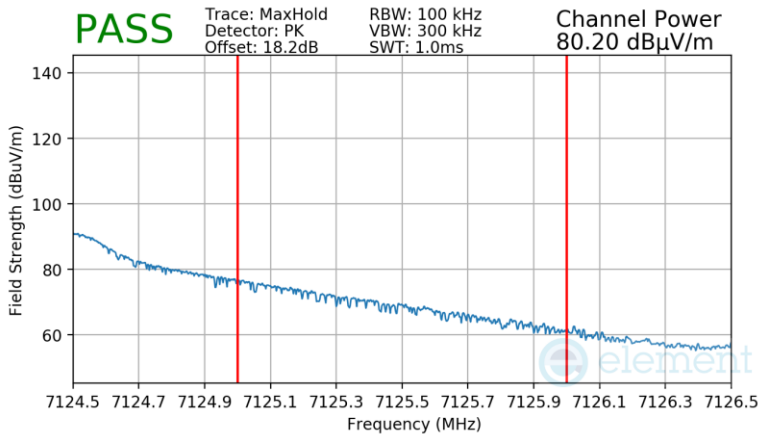
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



Plot 7-1782. SDM Primary Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU242)

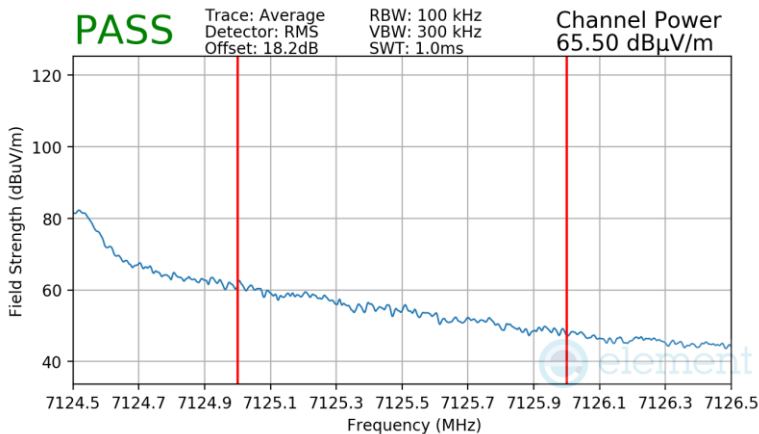
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 569 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



Plot 7-1783. SDM Primary Radiated Upper Band Edge (Peak – UNII Band 8 – RU242)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



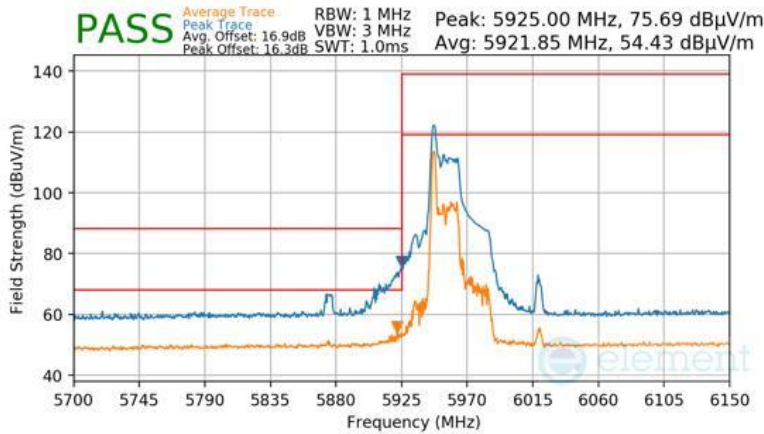
Plot 7-1784. SDM Primary Radiated Upper Band Edge (Average – UNII Band 8 – RU242)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

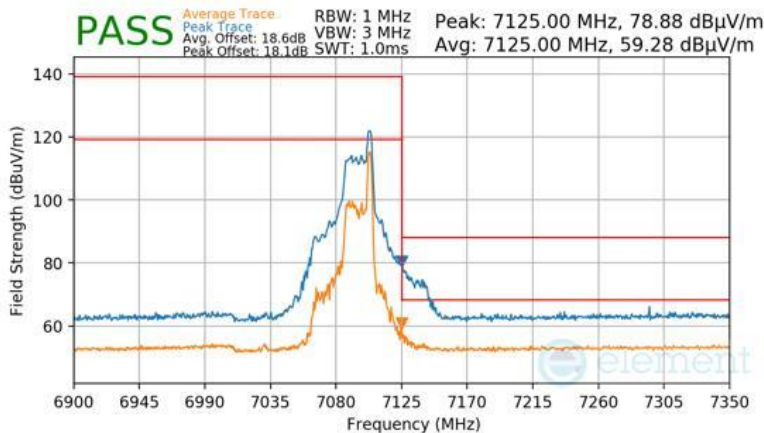
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1785. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227

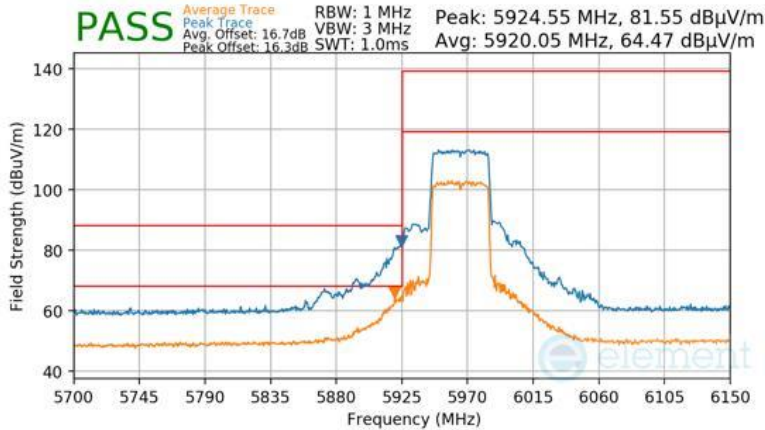


Plot 7-1786. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 571 of 615

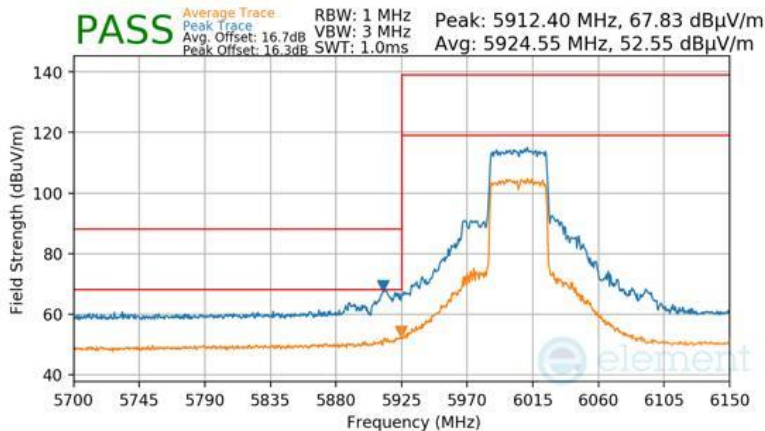
RU484

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1787. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

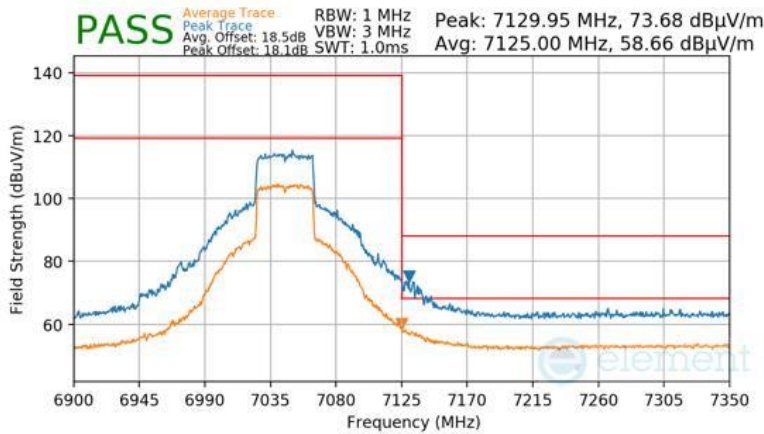
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



Plot 7-1788. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

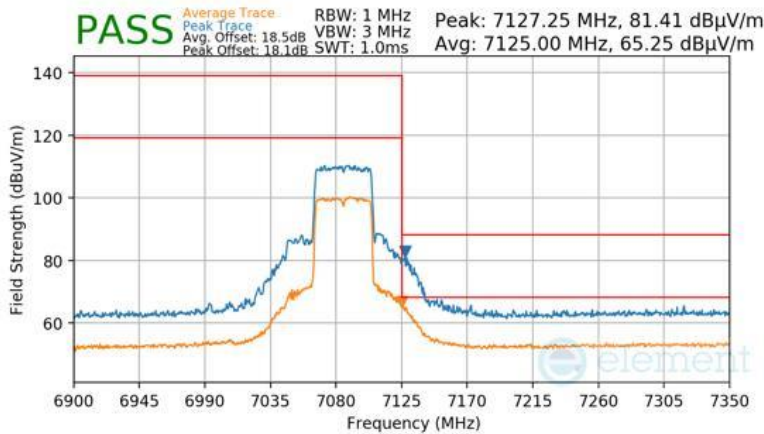
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 572 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7045MHz
 Channel: 219



Plot 7-1789. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 5 – RU484)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227



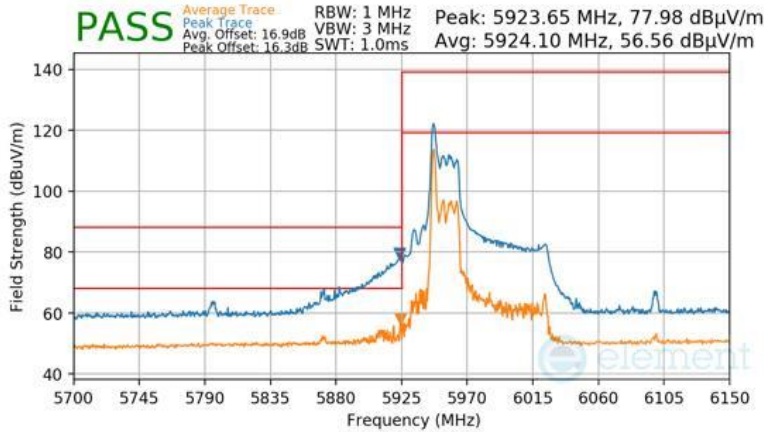
Plot 7-1790. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG		Test Dates: 11/28/2023 - 04/04/2024

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

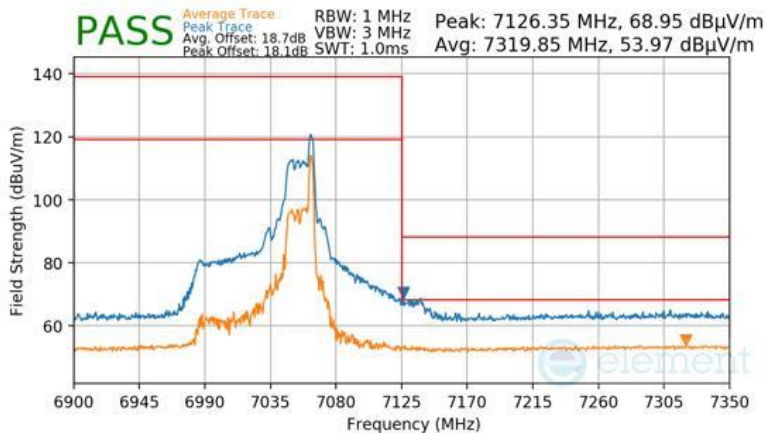
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1791. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215

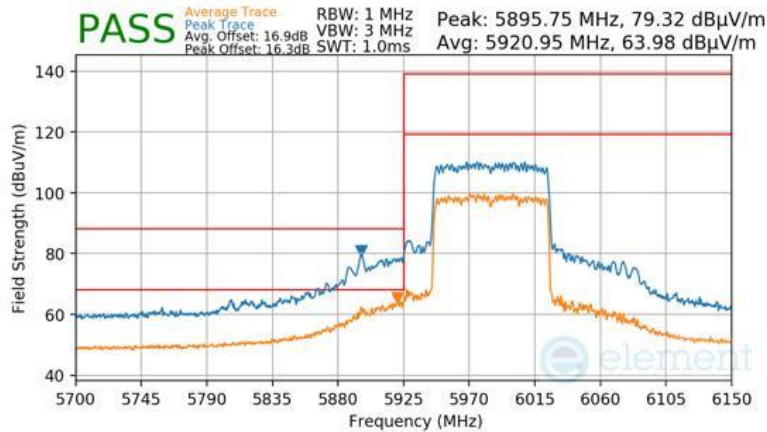


Plot 7-1792. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 574 of 615

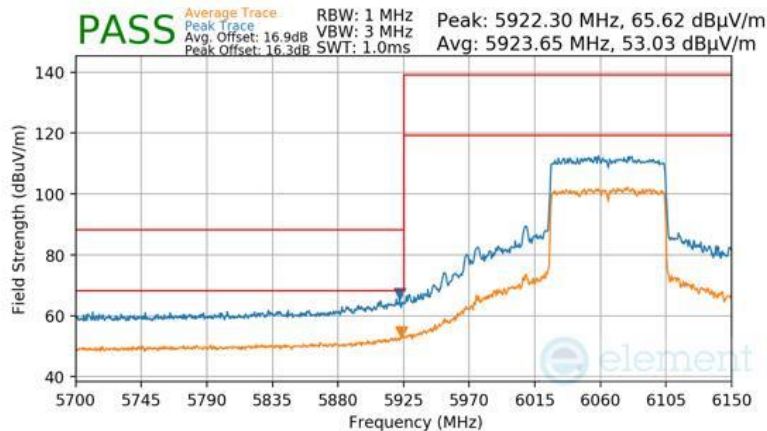
RU996

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1793. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

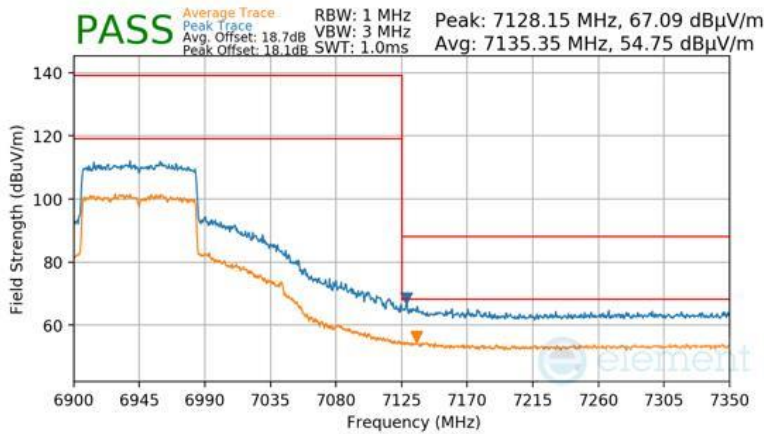
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 23



Plot 7-1794. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

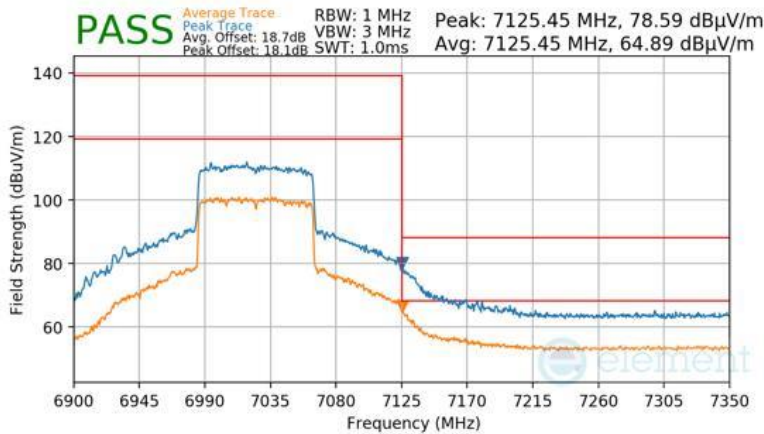
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 575 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6945MHz
 Channel: 199



Plot 7-1795. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215



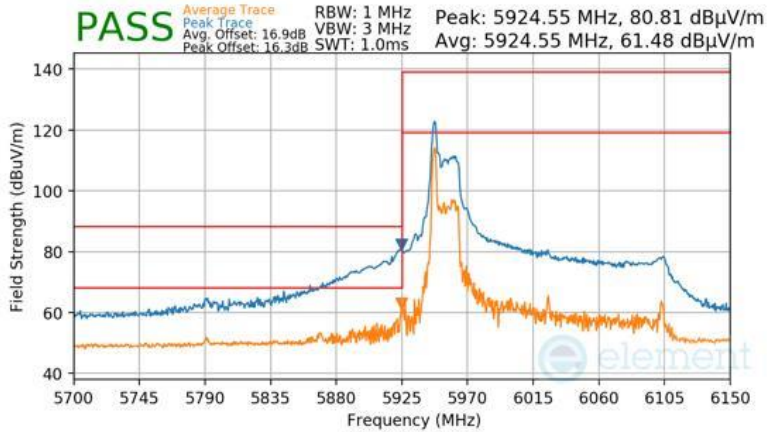
Plot 7-1796. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

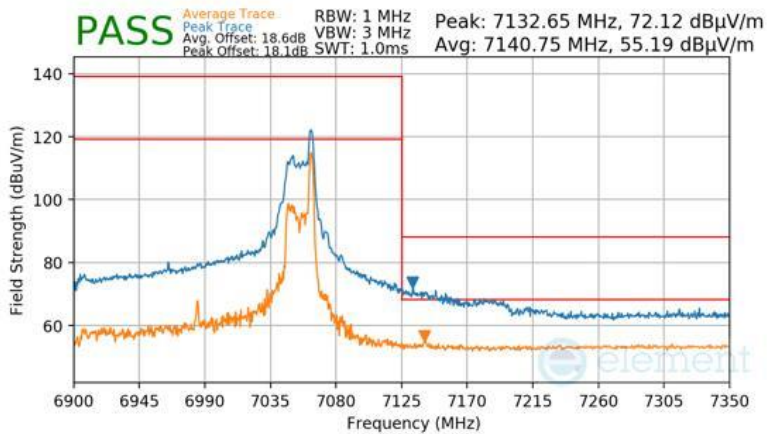
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1797. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207

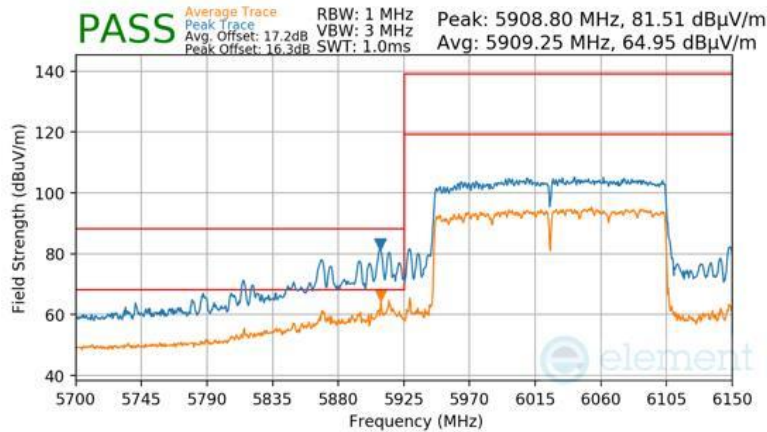


Plot 7-1798. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 577 of 615

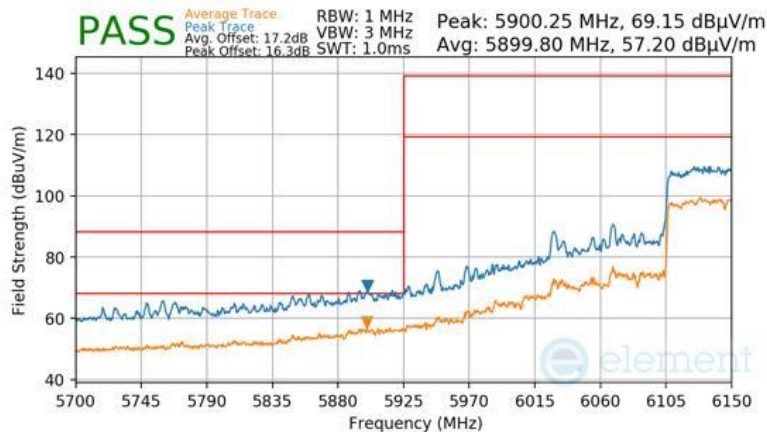
RU996x2

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1799. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

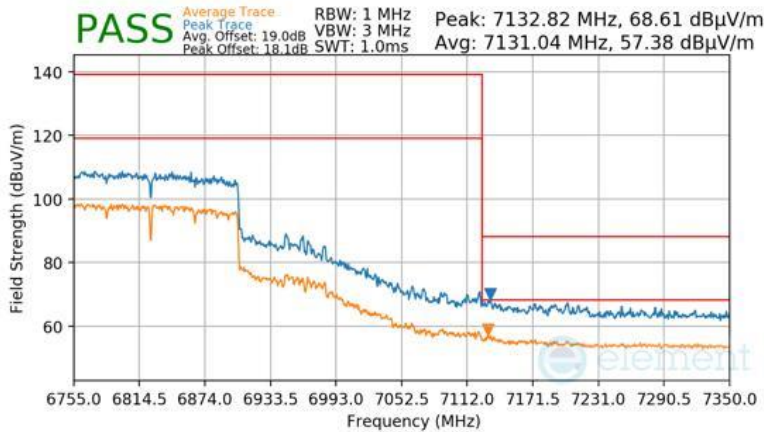
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1800. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

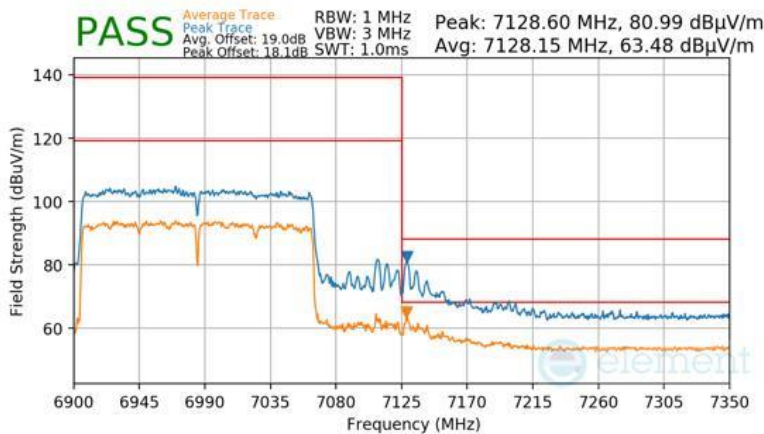
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 578 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6825MHz
 Channel: 175



Plot 7-1801. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207



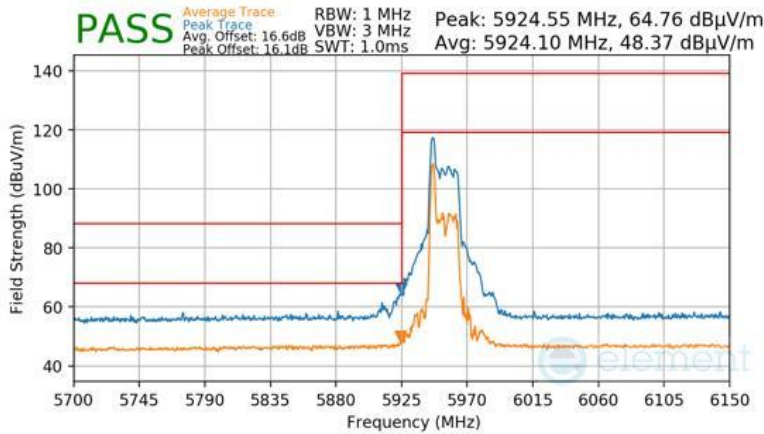
Plot 7-1802. SDM Primary Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

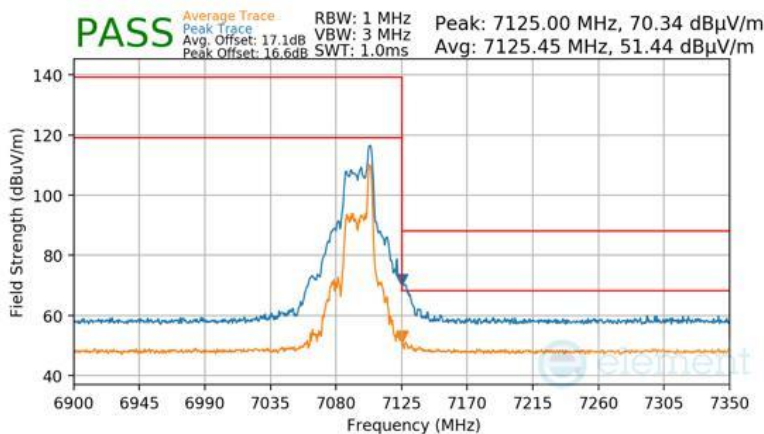
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1803. SDM Diversity Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

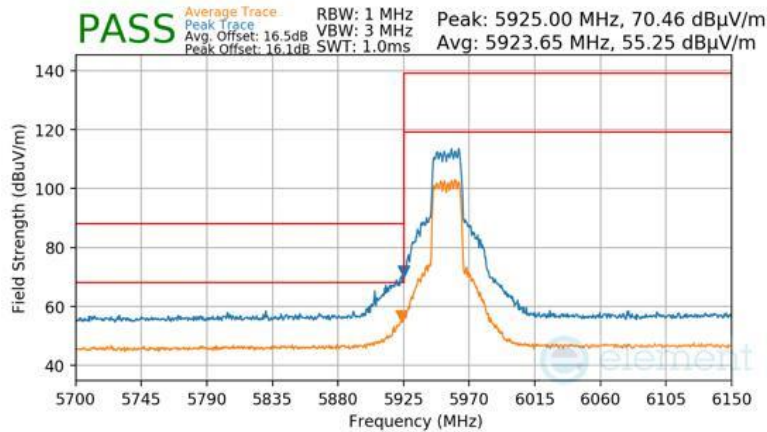


Plot 7-1804. SDM Diversity Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 580 of 615

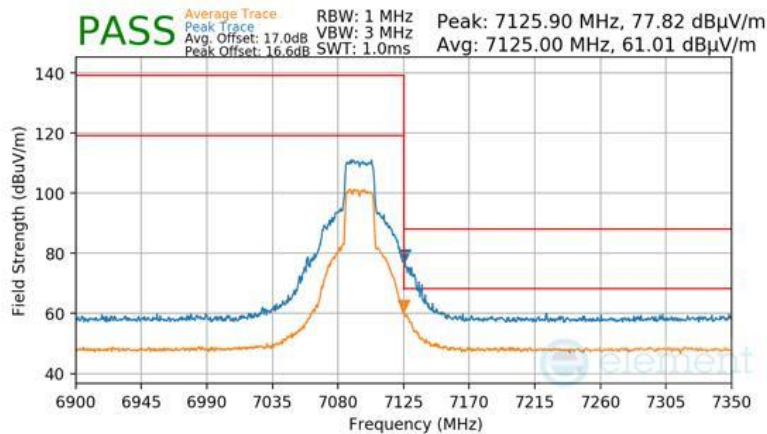
RU242

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1



Plot 7-1805. SDM Diversity Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU242)

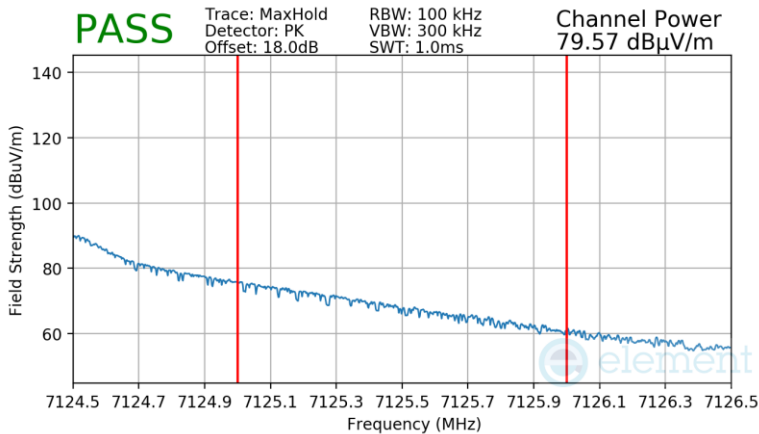
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



Plot 7-1806. SDM Diversity Radiated Upper Band Edge (Peak/Average – UNII Band 8 – RU242)

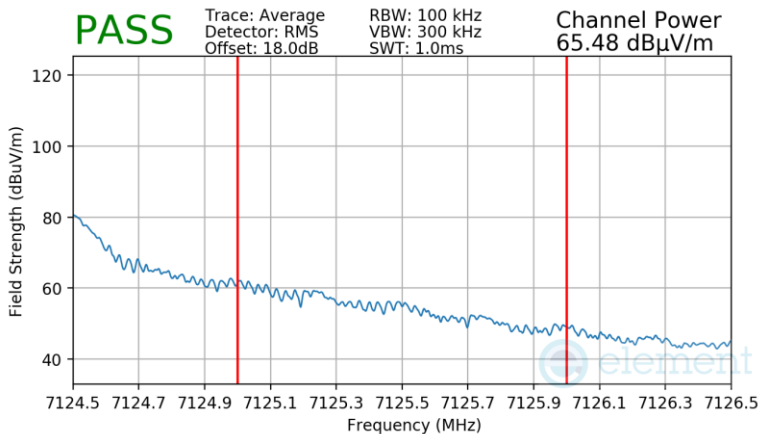
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 581 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



Plot 7-1807. SDM Diversity Radiated Upper Band Edge (Peak – UNII Band 8 – RU242)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7115MHz
 Channel: 233



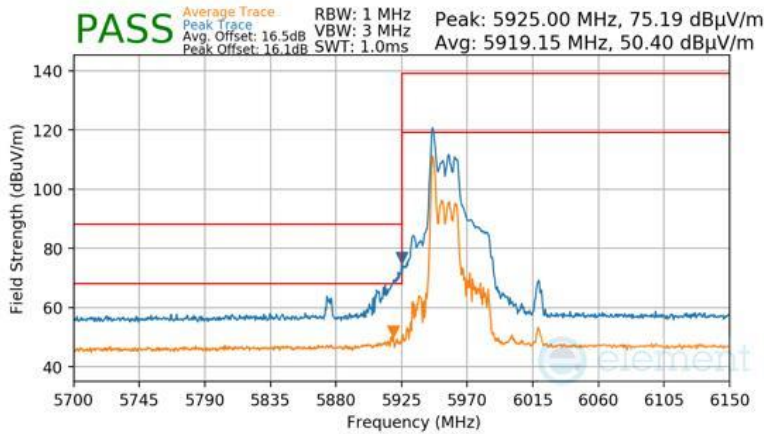
Plot 7-1808. Antenna WF5B Radiated Upper Band Edge (Average – UNII Band 8 – RU242)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device
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7.7.23 SDM Diversity Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

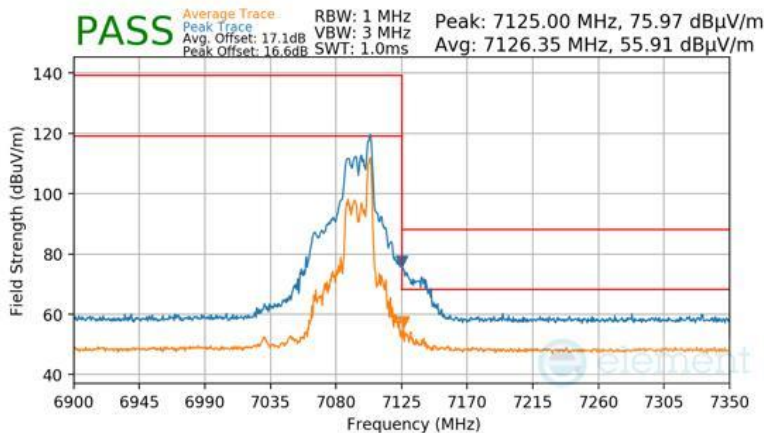
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1809. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227

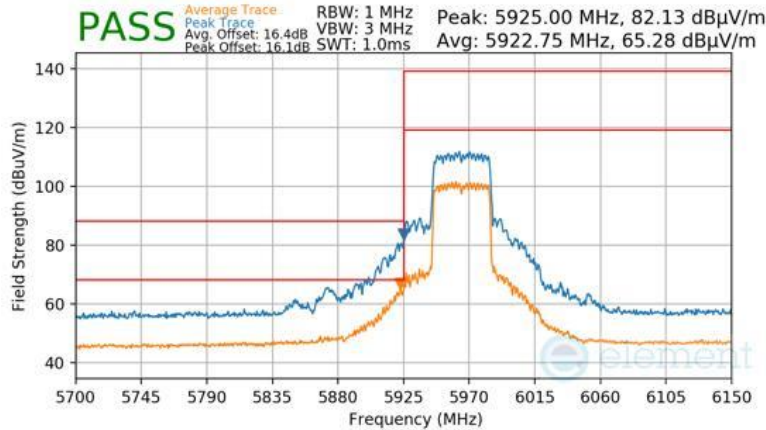


Plot 7-1810. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 583 of 615

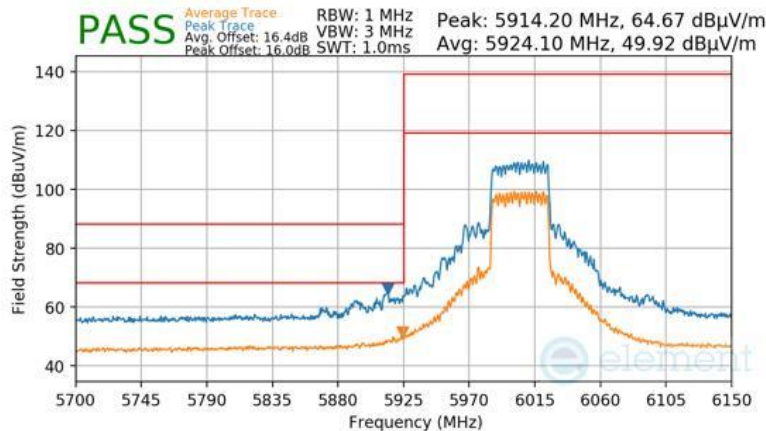
RU484

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5965MHz
 Channel: 3



Plot 7-1811. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

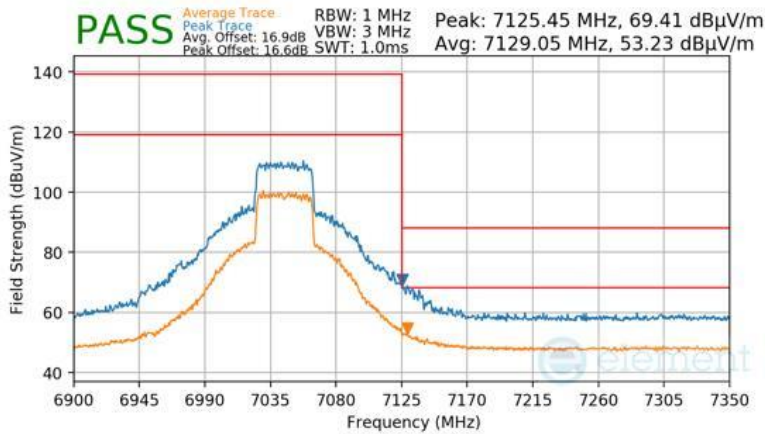
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



Plot 7-1812. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

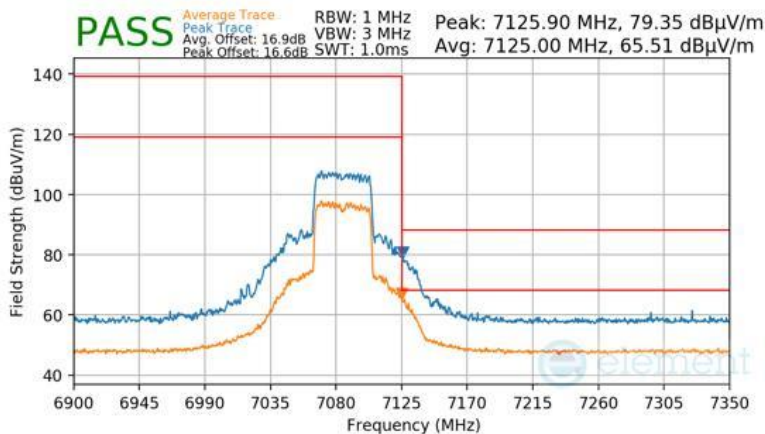
FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7045MHz
 Channel: 219



Plot 7-1813. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 5 – RU484)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7085MHz
 Channel: 227



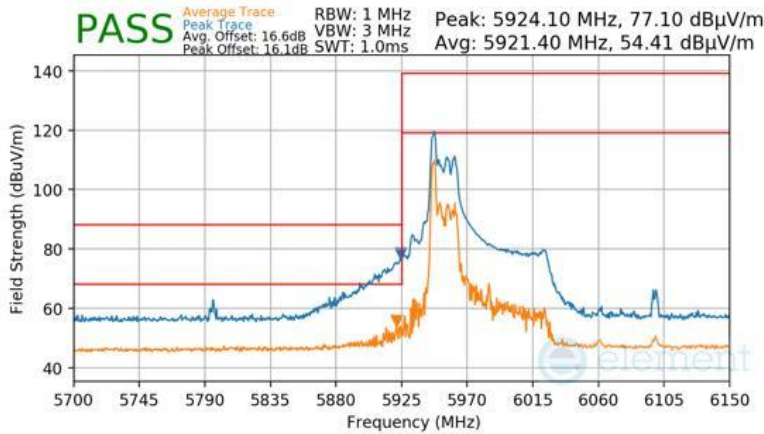
Plot 7-1814. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU484)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device

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

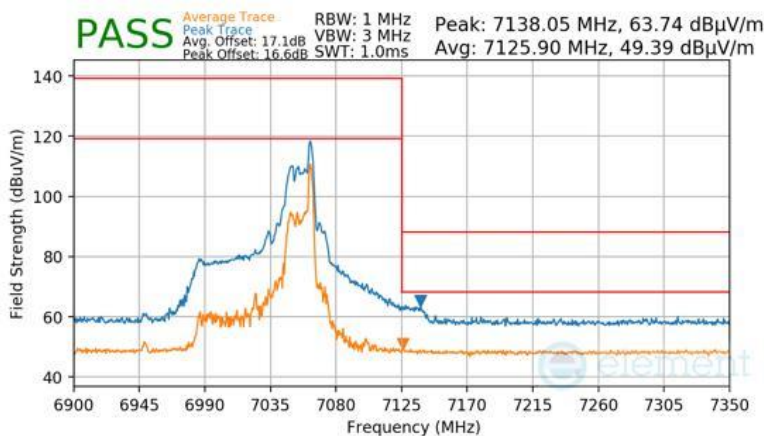
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1815. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215

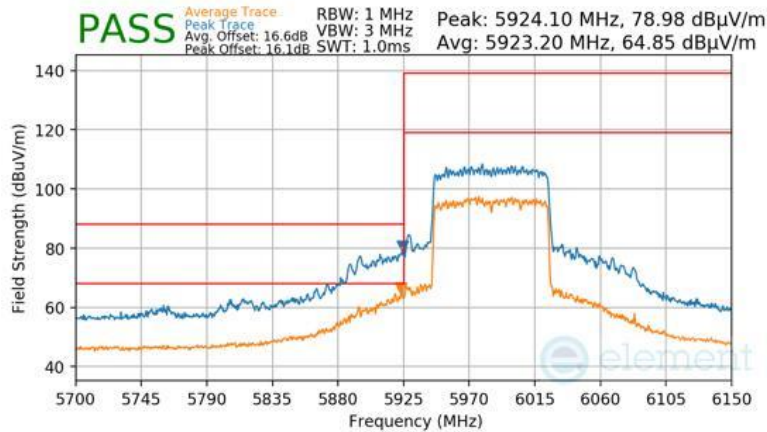


Plot 7-1816. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 586 of 615

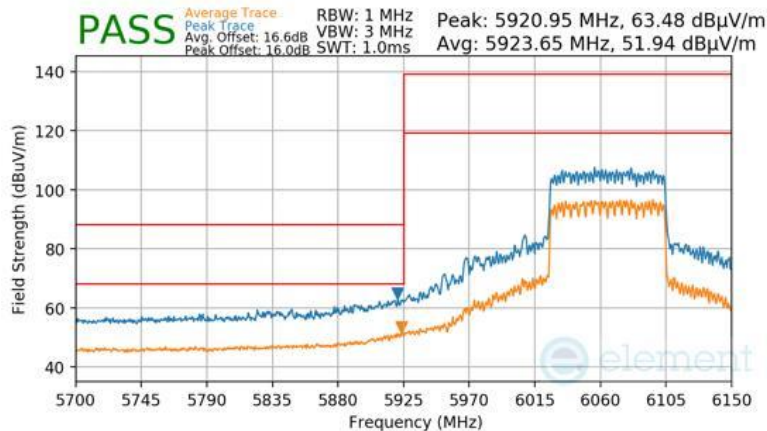
RU996

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 5985MHz
 Channel: 7



Plot 7-1817. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

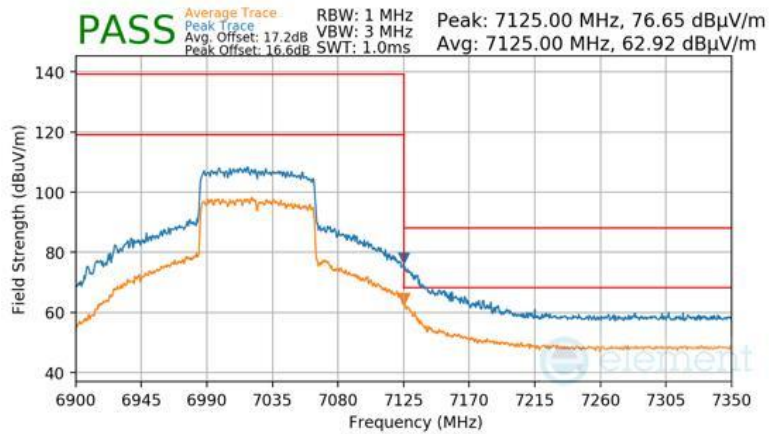
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 23



Plot 7-1818. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 587 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7025MHz
 Channel: 215



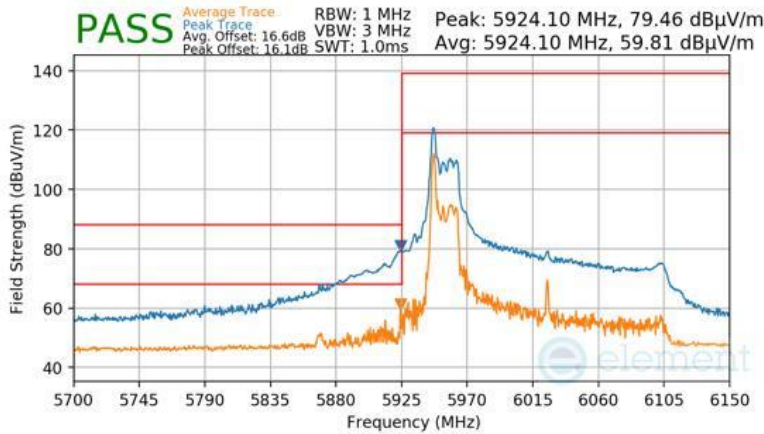
Plot 7-1819. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996)

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 588 of 615

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

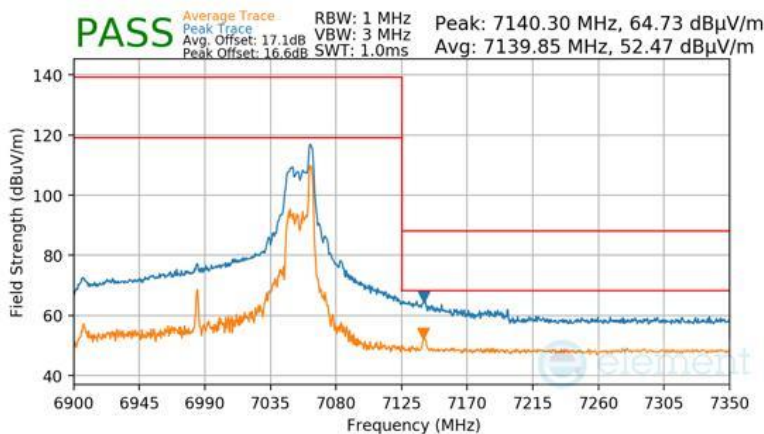
RU26

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1820. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU26)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207

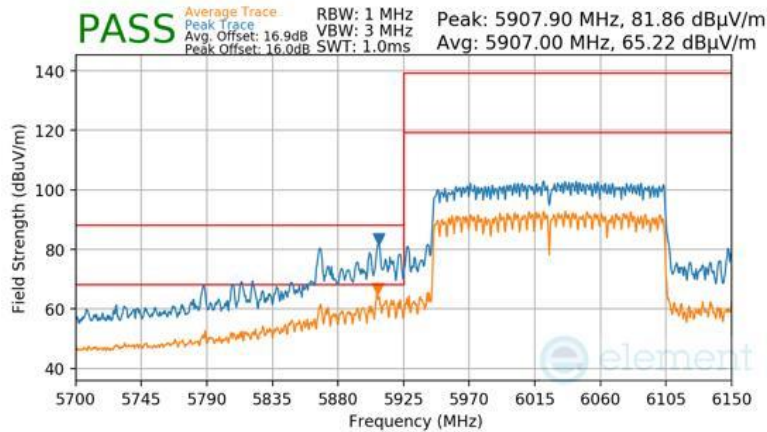


Plot 7-1821. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU26)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 589 of 615

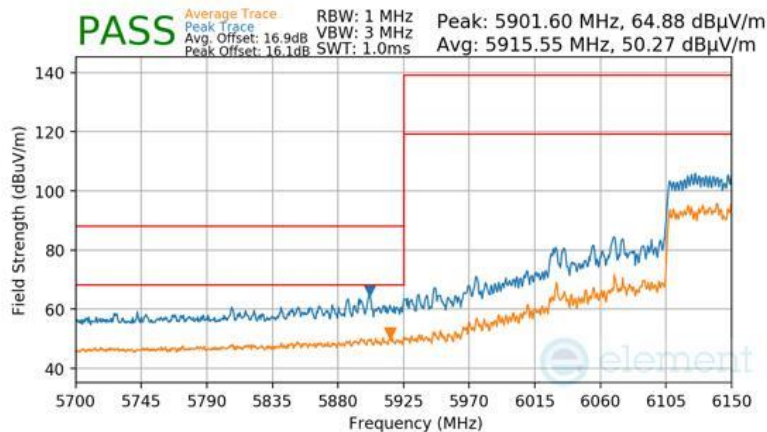
RU996x2

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15



Plot 7-1822. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

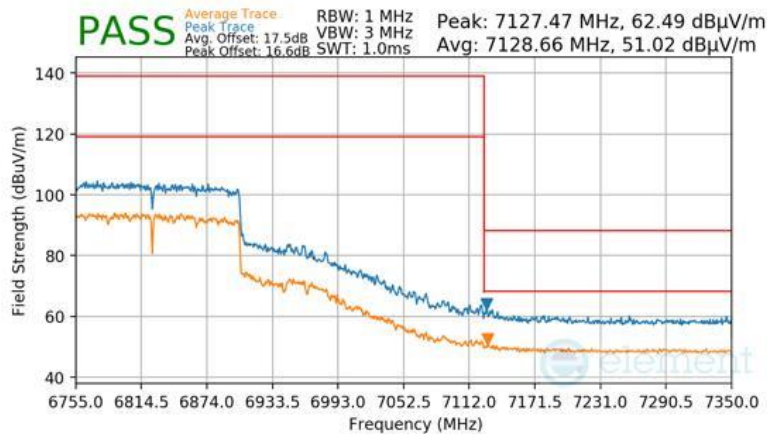
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1823. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

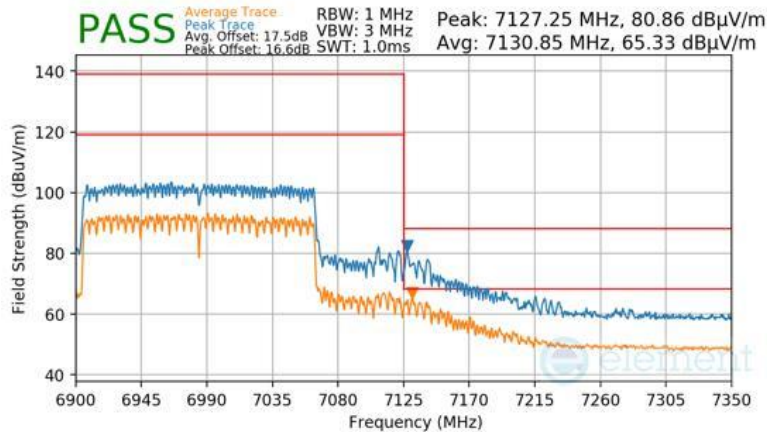
FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 590 of 615

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6825MHz
 Channel: 175



Plot 7-1824. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207



Plot 7-1825. SDM Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8 – RU996x2)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 591 of 615

7.8 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

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

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-280 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 7-280. 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

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Setup

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

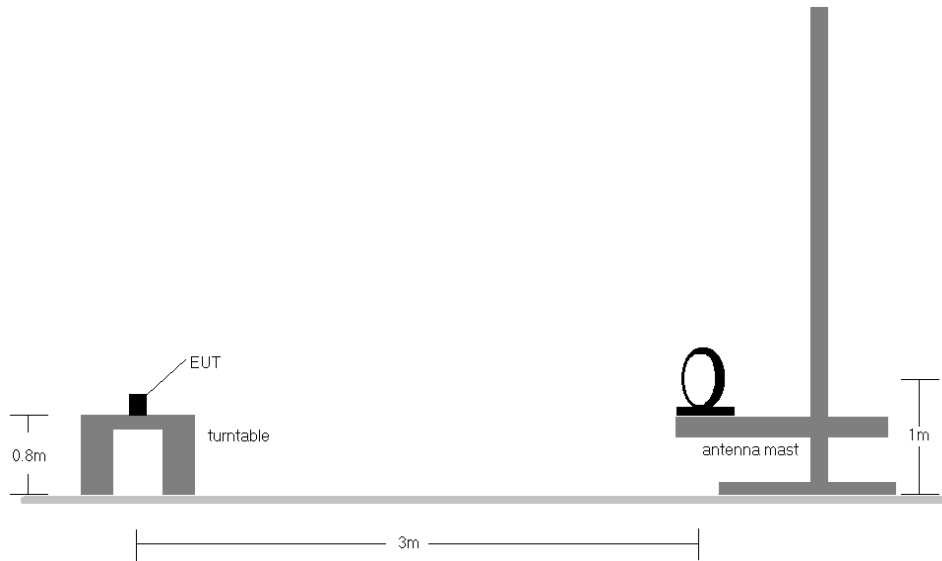


Figure 7-6. Radiated Test Setup < 30MHz

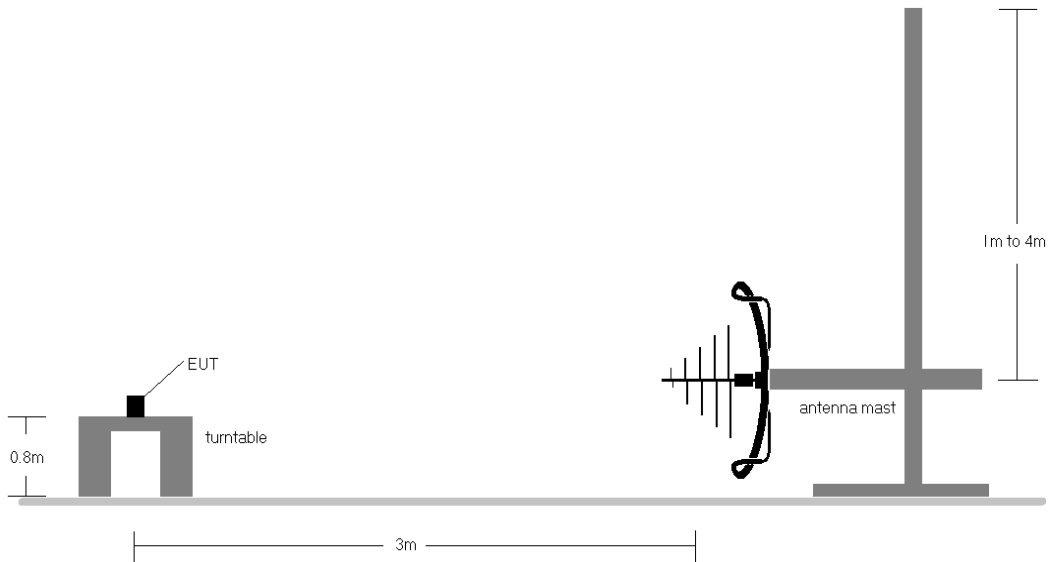


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 593 of 615

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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 7-280.
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.

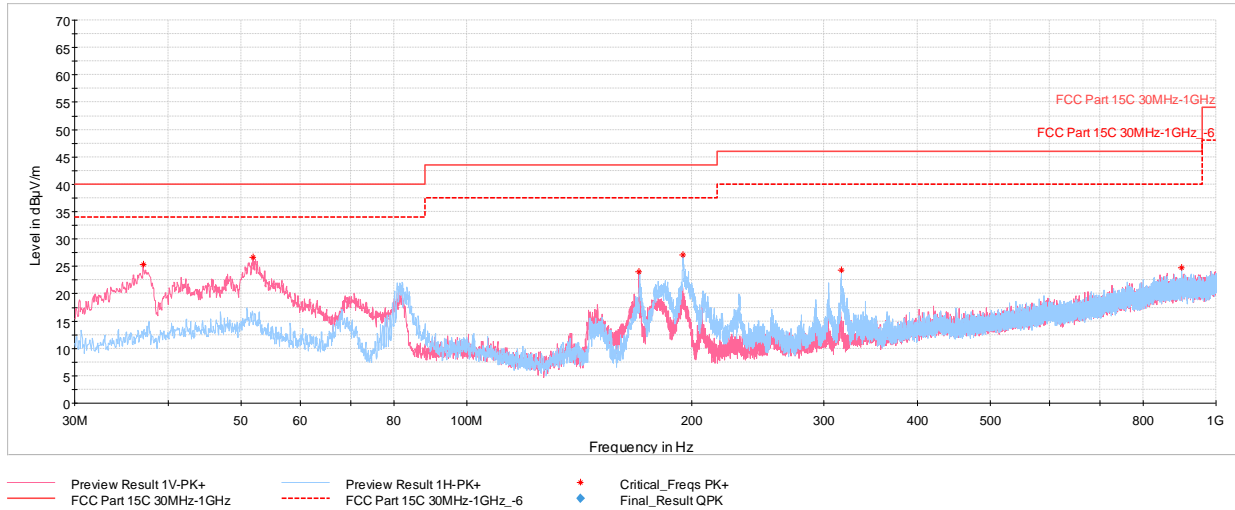
Sample Calculations

Determining Spurious Emissions Levels

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

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7.8.1 SDM Primary Radiated Spurious Emissions Measurements (Below 1GHz) §15.209; RSS-Gen [8.9]

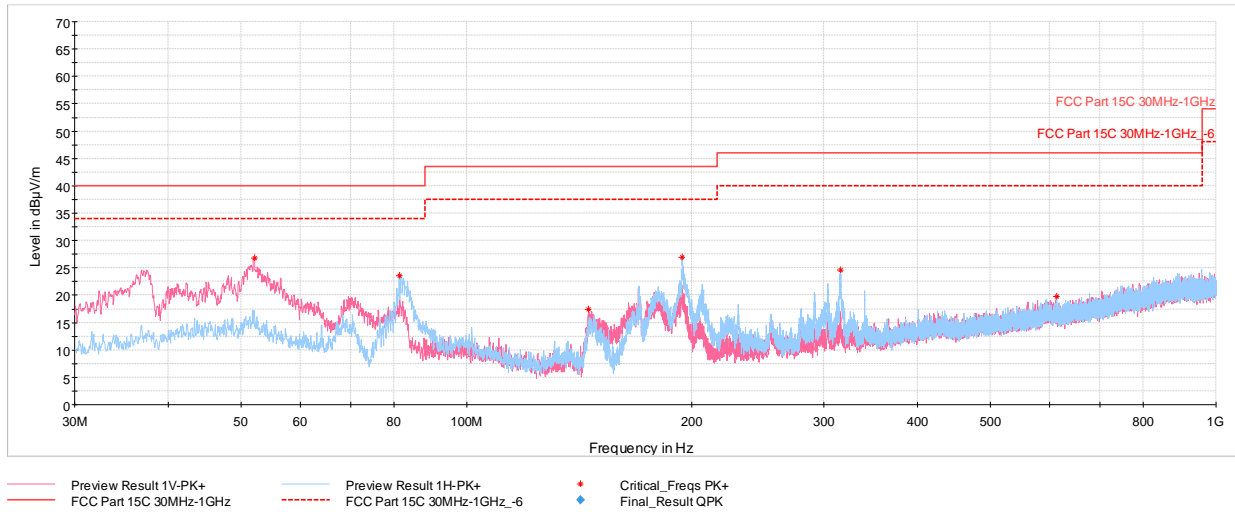


Plot 7-1826. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.1 – RU26) with AC/DC Adapter

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	5	-66.49	-15.22	25.29	40.00	-14.71
51.87	Max-Peak	V	100	296	-67.21	-13.13	26.66	40.00	-13.34
169.83	Max-Peak	V	100	0	-63.82	-19.20	23.98	43.52	-19.54
194.32	Max-Peak	H	200	198	-63.09	-16.86	27.05	43.52	-16.47
316.05	Max-Peak	H	100	114	-68.79	-13.93	24.28	46.02	-21.74
898.73	Max-Peak	H	200	213	-79.99	-2.31	24.70	46.02	-21.32

Table 7-281. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.1 – RU26) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1827. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.1 – RU242) with AC/DC Adapter

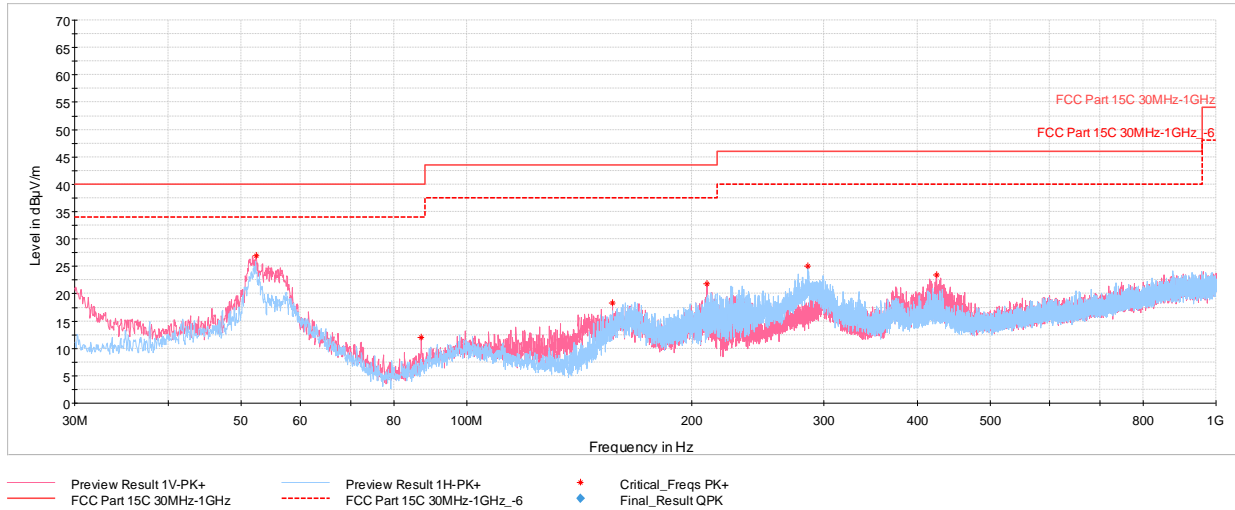
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
52.12	Max-Peak	V	100	320	-67.06	-13.16	26.78	40.00	-13.22
81.36	Max-Peak	H	200	135	-62.53	-20.94	23.53	40.00	-16.47
145.33	Max-Peak	V	100	0	-69.01	-20.57	17.42	43.52	-26.10
194.17	Max-Peak	H	200	187	-63.17	-16.89	26.94	43.52	-16.58
315.67	Max-Peak	H	100	129	-68.40	-13.97	24.63	46.02	-21.39
613.36	Max-Peak	H	300	270	-79.69	-7.60	19.71	46.02	-26.31

Table 7-282. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.1 – RU242) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.8.2 SDM Diversity Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

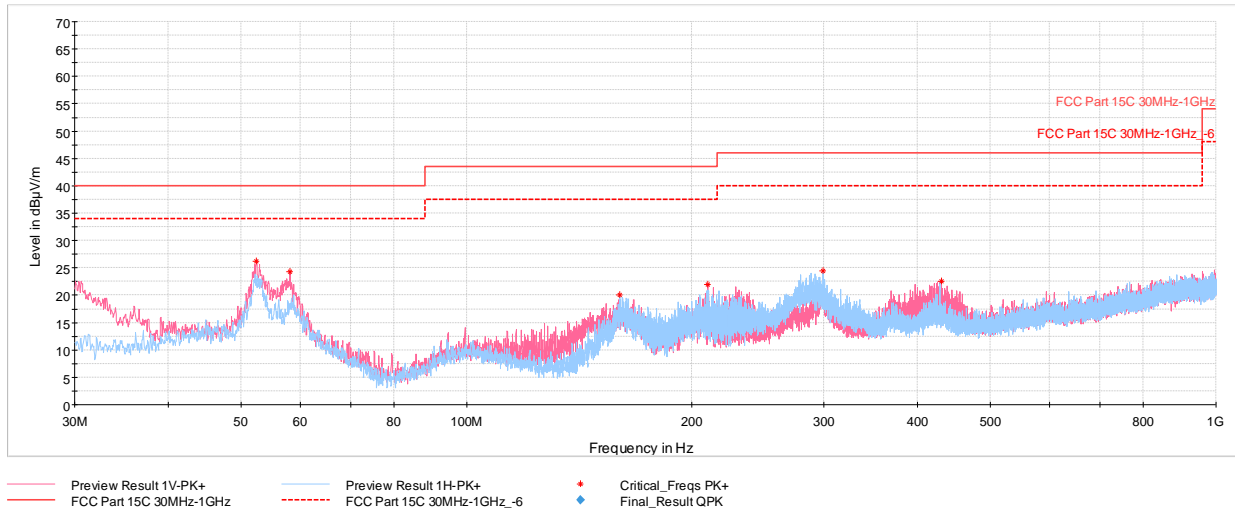


Plot 7-1828. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.1 – RU26) with Laptop

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]
52.41	Max-Peak	V	100	144	-80.04	-13.23	13.73	40.00	-26.27
86.99	Max-Peak	V	100	170	-95.01	-19.40	-7.41	40.00	-47.41
156.54	Max-Peak	V	100	111	-88.76	-19.79	-1.55	43.52	-45.07
209.21	Max-Peak	V	100	85	-85.22	-17.27	4.51	43.52	-39.01
285.21	Max-Peak	H	100	89	-81.90	-14.80	10.30	46.02	-35.72
423.43	Max-Peak	V	100	148	-83.63	-11.05	12.32	46.02	-33.70

Table 7-283. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.1 – RU26) with Laptop

FCC ID: BCGA2837 IC: 579C-A2837	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-1829. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.1 – RU242) 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]
52.46	Max-Peak	V	100	133	-67.55	-13.25	26.20	40.00	-13.80
58.13	Max-Peak	V	100	263	-67.80	-14.89	24.31	40.00	-15.69
160.22	Max-Peak	H	200	0	-67.44	-19.52	20.04	43.52	-23.48
209.74	Max-Peak	V	100	115	-67.79	-17.30	21.91	43.52	-21.61
299.08	Max-Peak	H	100	244	-67.92	-14.61	24.47	46.02	-21.55
430.66	Max-Peak	V	100	140	-73.44	-11.02	22.54	46.02	-23.48

Table 7-284. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.1 – RU242) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.9 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 7-285. 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

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Setup

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

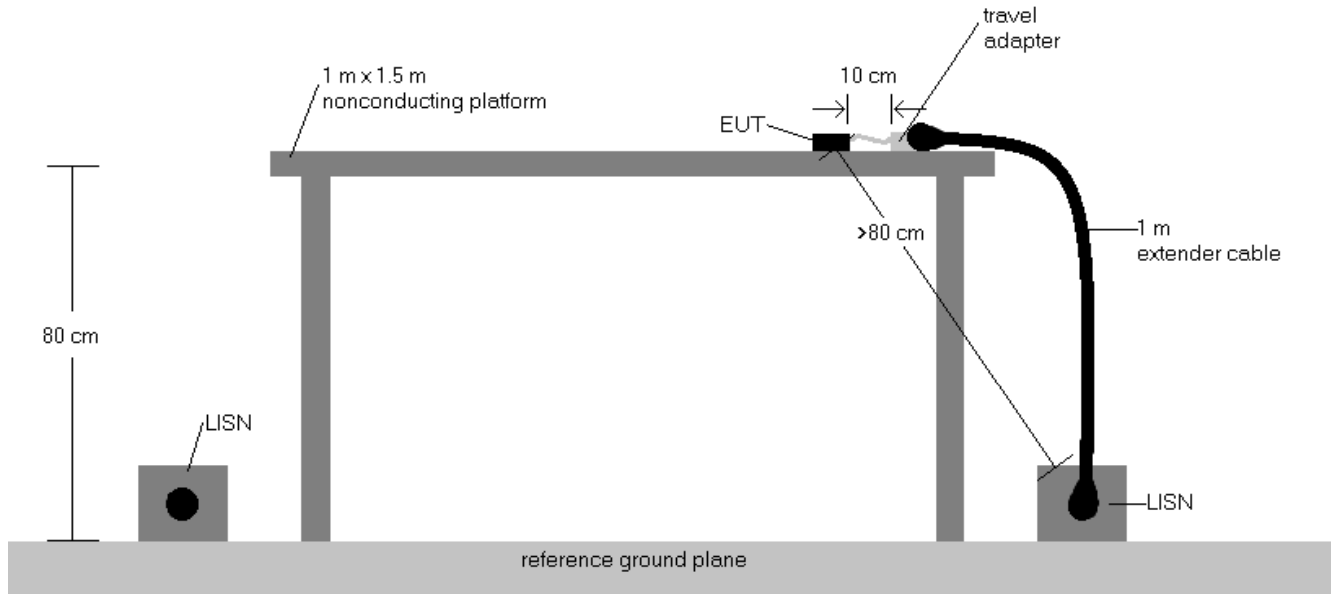


Figure 7-8. Test Instrument & Measurement Setup

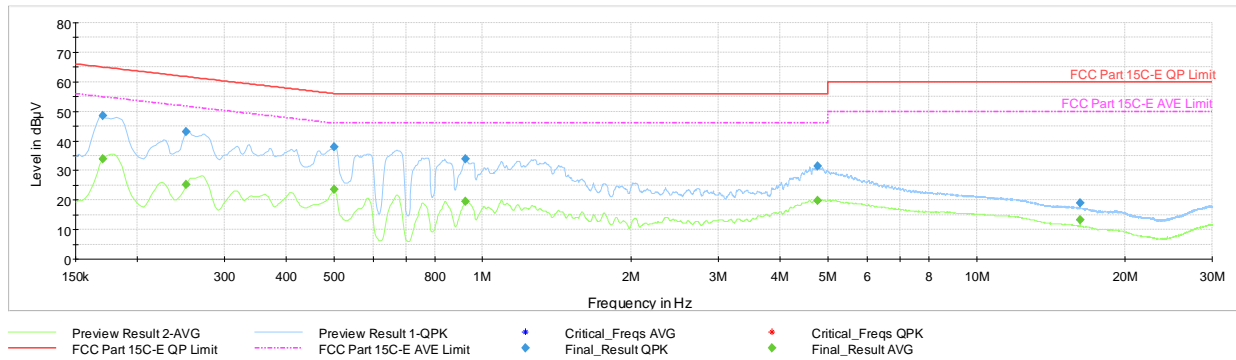
Test Notes

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

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.9.1 SDM Primary Line-Conducted Emissions Measurements

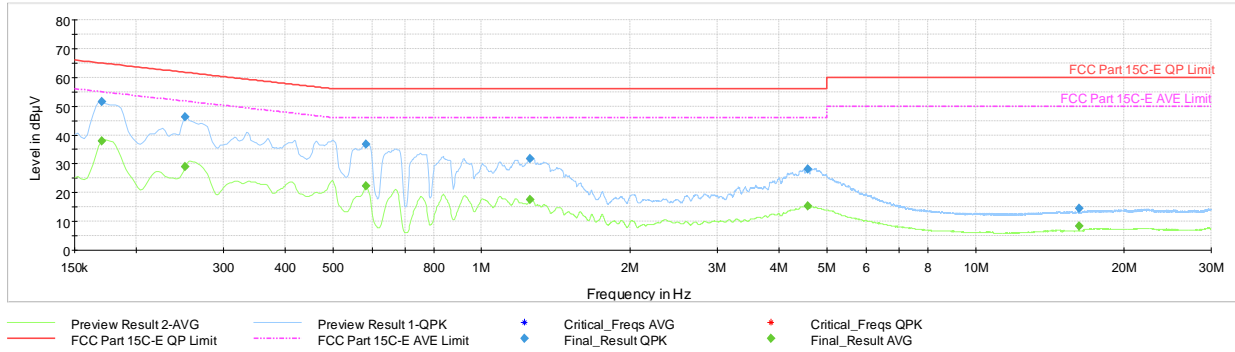


Plot 7-1830. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU26 – Ch.1 (L1) with Laptop

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	33.99	54.95	-20.95	L1	GND
0.170	FINAL	48.47	—	64.95	-16.48	L1	GND
0.251	FINAL	—	25.23	51.72	-26.48	L1	GND
0.251	FINAL	43.22	—	61.72	-18.49	L1	GND
0.501	FINAL	—	23.52	46.00	-22.48	L1	GND
0.501	FINAL	37.93	—	56.00	-18.07	L1	GND
0.924	FINAL	34.00	—	56.00	-22.00	L1	GND
0.924	FINAL	—	19.51	46.00	-26.49	L1	GND
4.774	FINAL	31.44	—	56.00	-24.56	L1	GND
4.774	FINAL	—	19.92	46.00	-26.08	L1	GND
16.224	FINAL	—	13.34	50.00	-36.66	L1	GND
16.224	FINAL	19.08	—	60.00	-40.92	L1	GND

Table 7-286. AC Line Conducted Data with SDM Primary 11ax UNII Band 5 – RU26 – Ch.1 (L1) with Laptop

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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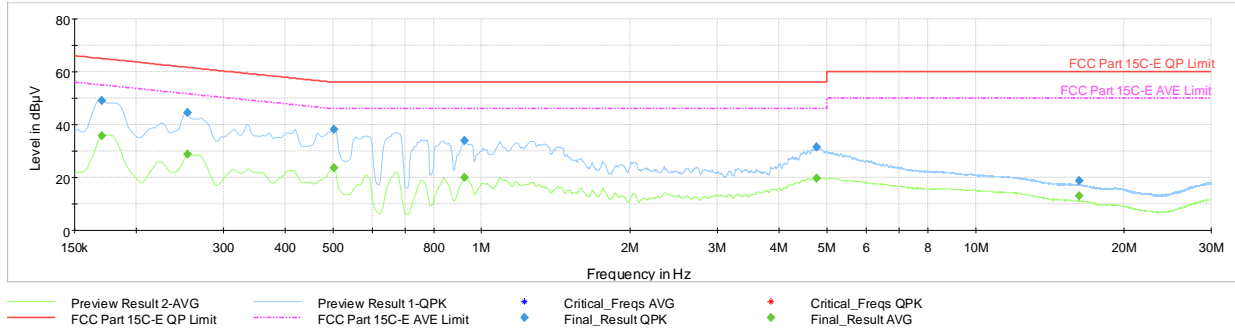


Plot 7-1831. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU26 – Ch.1 (N) with Laptop

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	38.03	54.95	-16.92	N	GND
0.170	FINAL	51.56	—	64.95	-13.38	N	GND
0.251	FINAL	—	28.96	51.72	-22.76	N	GND
0.251	FINAL	46.39	—	61.72	-15.32	N	GND
0.584	FINAL	—	22.18	46.00	-23.82	N	GND
0.584	FINAL	36.83	—	56.00	-19.17	N	GND
1.253	FINAL	31.91	—	56.00	-24.09	N	GND
1.253	FINAL	—	17.54	46.00	-28.46	N	GND
4.583	FINAL	28.13	—	56.00	-27.87	N	GND
4.583	FINAL	—	15.28	46.00	-30.72	N	GND
16.224	FINAL	—	8.29	50.00	-41.71	N	GND
16.224	FINAL	14.37	—	60.00	-45.63	N	GND

Table 7-287. AC Line Conducted Data with SDM Primary 11ax UNII Band 5 – RU26 – Ch.1 (N) with Laptop

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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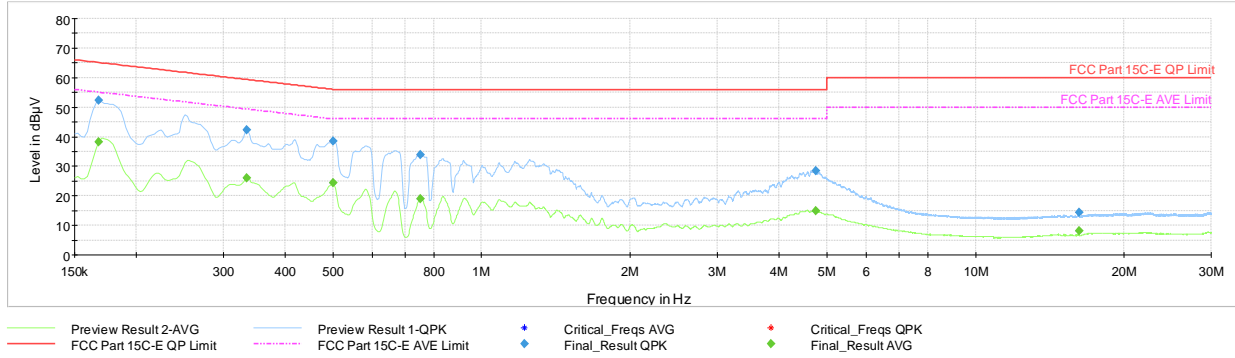


Plot 7-1832. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU242 – Ch.1 (L1) with Laptop

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	35.86	54.95	-19.09	L1	GND
0.170	FINAL	49.14	—	64.95	-15.81	L1	GND
0.254	FINAL	—	28.64	51.64	-23.00	L1	GND
0.254	FINAL	44.44	—	61.64	-17.20	L1	GND
0.503	FINAL	—	23.49	46.00	-22.51	L1	GND
0.503	FINAL	38.20	—	56.00	-17.80	L1	GND
0.924	FINAL	33.85	—	56.00	-22.15	L1	GND
0.924	FINAL	—	19.94	46.00	-26.06	L1	GND
4.760	FINAL	31.54	—	56.00	-24.46	L1	GND
4.760	FINAL	—	19.67	46.00	-26.33	L1	GND
16.211	FINAL	—	13.08	50.00	-36.92	L1	GND
16.211	FINAL	18.88	—	60.00	-41.12	L1	GND

Table 7-288. AC Line Conducted Data with SDM Primary 11ax UNII Band 5 – RU242 – Ch.1 (L1) with Laptop

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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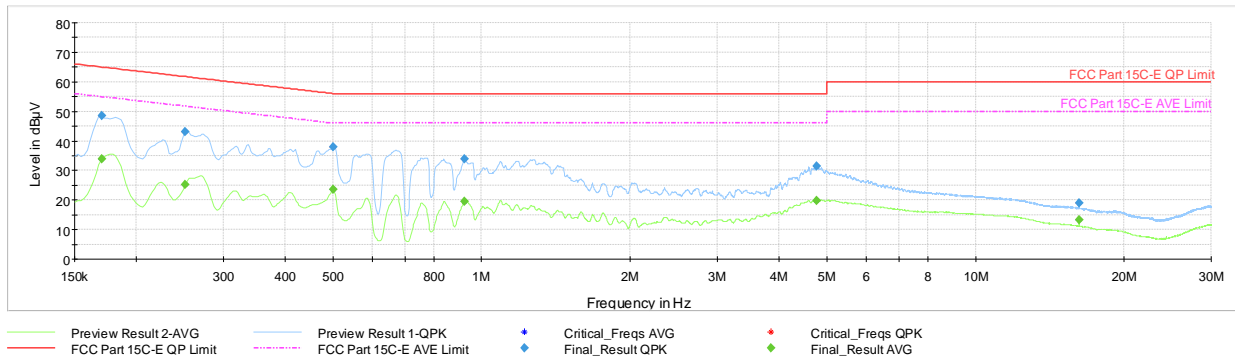
Plot 7-1833. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU242 – Ch.1 (N) with Laptop

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	38.34	55.06	-16.72	N	GND
0.168	FINAL	52.38	—	65.06	-12.67	N	GND
0.335	FINAL	—	25.99	49.34	-23.35	N	GND
0.335	FINAL	42.17	—	59.34	-17.16	N	GND
0.501	FINAL	—	24.33	46.00	-21.67	N	GND
0.501	FINAL	38.53	—	56.00	-17.47	N	GND
0.751	FINAL	33.81	—	56.00	-22.19	N	GND
0.751	FINAL	—	19.05	46.00	-26.95	N	GND
4.742	FINAL	28.45	—	56.00	-27.55	N	GND
4.742	FINAL	—	14.80	46.00	-31.20	N	GND
16.213	FINAL	—	8.24	50.00	-41.76	N	GND
16.213	FINAL	14.43	—	60.00	-45.57	N	GND

Table 7-289. AC Line Conducted Data with SDM Primary 11ax UNII Band 5 – RU242 – Ch.1 (N) with Laptop

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.9.2 SDM Diversity Line-Conducted Emissions Measurements

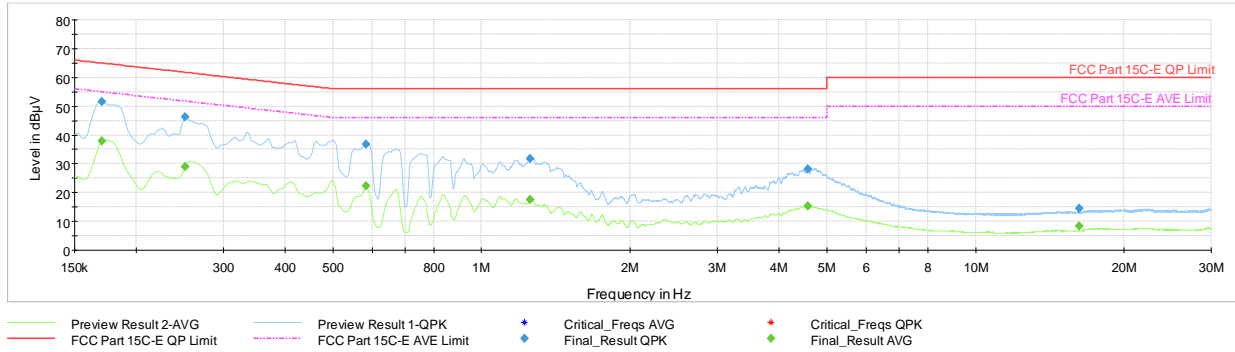


Plot 7-1834. AC Line Conducted Plot with SDM Diversity 11ax UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	33.99	54.95	-20.95	L1	GND
0.170	FINAL	48.47	—	64.95	-16.48	L1	GND
0.251	FINAL	—	25.23	51.72	-26.48	L1	GND
0.251	FINAL	43.22	—	61.72	-18.49	L1	GND
0.501	FINAL	—	23.52	46.00	-22.48	L1	GND
0.501	FINAL	37.93	—	56.00	-18.07	L1	GND
0.924	FINAL	34.00	—	56.00	-22.00	L1	GND
0.924	FINAL	—	19.51	46.00	-26.49	L1	GND
4.774	FINAL	31.44	—	56.00	-24.56	L1	GND
4.774	FINAL	—	19.92	46.00	-26.08	L1	GND
16.224	FINAL	—	13.34	50.00	-36.66	L1	GND
16.224	FINAL	19.08	—	60.00	-40.92	L1	GND

Table 7-290. AC Line Conducted Data with SDM Diversity 11ax UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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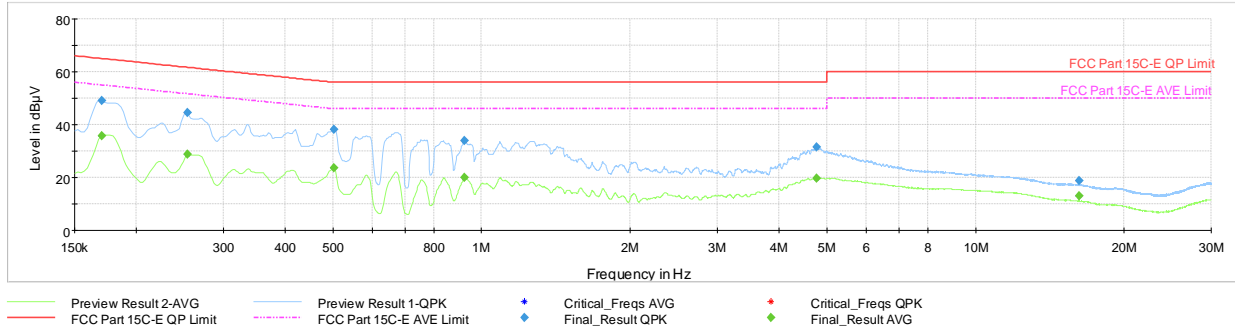


Plot 7-1835. AC Line Conducted Plot with SDM Diversity 11ax UNII Band 5 – RU26 – Ch.1 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	38.03	54.95	-16.92	N	GND
0.170	FINAL	51.56	—	64.95	-13.38	N	GND
0.251	FINAL	—	28.96	51.72	-22.76	N	GND
0.251	FINAL	46.39	—	61.72	-15.32	N	GND
0.584	FINAL	—	22.18	46.00	-23.82	N	GND
0.584	FINAL	36.83	—	56.00	-19.17	N	GND
1.253	FINAL	31.91	—	56.00	-24.09	N	GND
1.253	FINAL	—	17.54	46.00	-28.46	N	GND
4.583	FINAL	28.13	—	56.00	-27.87	N	GND
4.583	FINAL	—	15.28	46.00	-30.72	N	GND
16.224	FINAL	—	8.29	50.00	-41.71	N	GND
16.224	FINAL	14.37	—	60.00	-45.63	N	GND

Table 7-291. AC Line Conducted Data with SDM Diversity 11ax UNII Band 5 – RU26 – Ch.1 (N) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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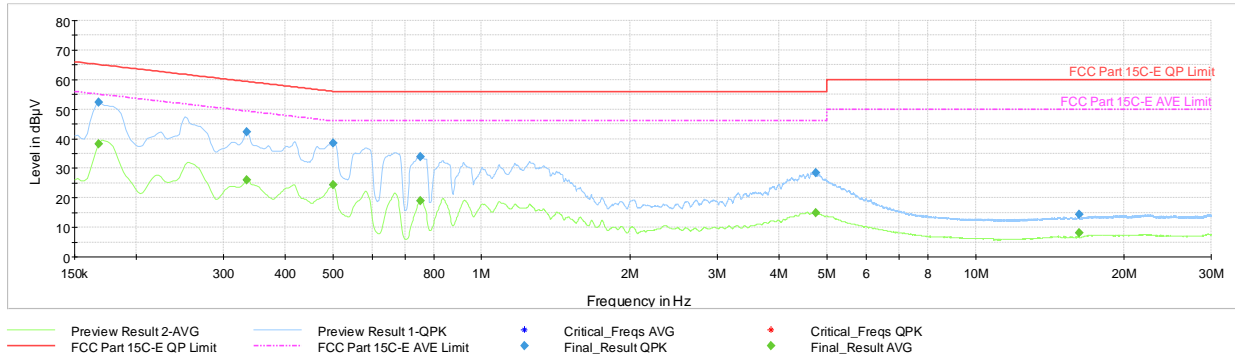


Plot 7-1836. AC Line Conducted Plot with SDM Diversity 11x UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	35.86	54.95	-19.09	L1	GND
0.170	FINAL	49.14	—	64.95	-15.81	L1	GND
0.254	FINAL	—	28.64	51.64	-23.00	L1	GND
0.254	FINAL	44.44	—	61.64	-17.20	L1	GND
0.503	FINAL	—	23.49	46.00	-22.51	L1	GND
0.503	FINAL	38.20	—	56.00	-17.80	L1	GND
0.924	FINAL	33.85	—	56.00	-22.15	L1	GND
0.924	FINAL	—	19.94	46.00	-26.06	L1	GND
4.760	FINAL	31.54	—	56.00	-24.46	L1	GND
4.760	FINAL	—	19.67	46.00	-26.33	L1	GND
16.211	FINAL	—	13.08	50.00	-36.92	L1	GND
16.211	FINAL	18.88	—	60.00	-41.12	L1	GND

Table 7-292. AC Line Conducted Data with SDM Diversity 11x UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1837. AC Line Conducted Plot with SDM Diversity 11ax UNII Band 5 – RU242 – Ch.1 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	38.34	55.06	-16.72	N	GND
0.168	FINAL	52.38	—	65.06	-12.67	N	GND
0.335	FINAL	—	25.99	49.34	-23.35	N	GND
0.335	FINAL	42.17	—	59.34	-17.16	N	GND
0.501	FINAL	—	24.33	46.00	-21.67	N	GND
0.501	FINAL	38.53	—	56.00	-17.47	N	GND
0.751	FINAL	33.81	—	56.00	-22.19	N	GND
0.751	FINAL	—	19.05	46.00	-26.95	N	GND
4.742	FINAL	28.45	—	56.00	-27.55	N	GND
4.742	FINAL	—	14.80	46.00	-31.20	N	GND
16.213	FINAL	—	8.24	50.00	-41.76	N	GND
16.213	FINAL	14.43	—	60.00	-45.57	N	GND

Table 7-293. AC Line Conducted Data with SDM Diversity 11ax UNII Band 5 – RU242 – Ch.1 (N) with AC/DC Adapter

FCC ID: BCGA2837 IC: 579C-A2837	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.10 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point

§15.407; RSS-248

Test Overview and Limits

A client device that connects to a Standard Power AP must limit its power to a minimum of 6 dB lower than its associated Standard Power access point's authorized transmit power. The term "authorized" means the AFC-approved power level for the AP to use on a particular channel.

Test Procedure Used

KDB 987594 D02 v02r01 – Section L
ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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

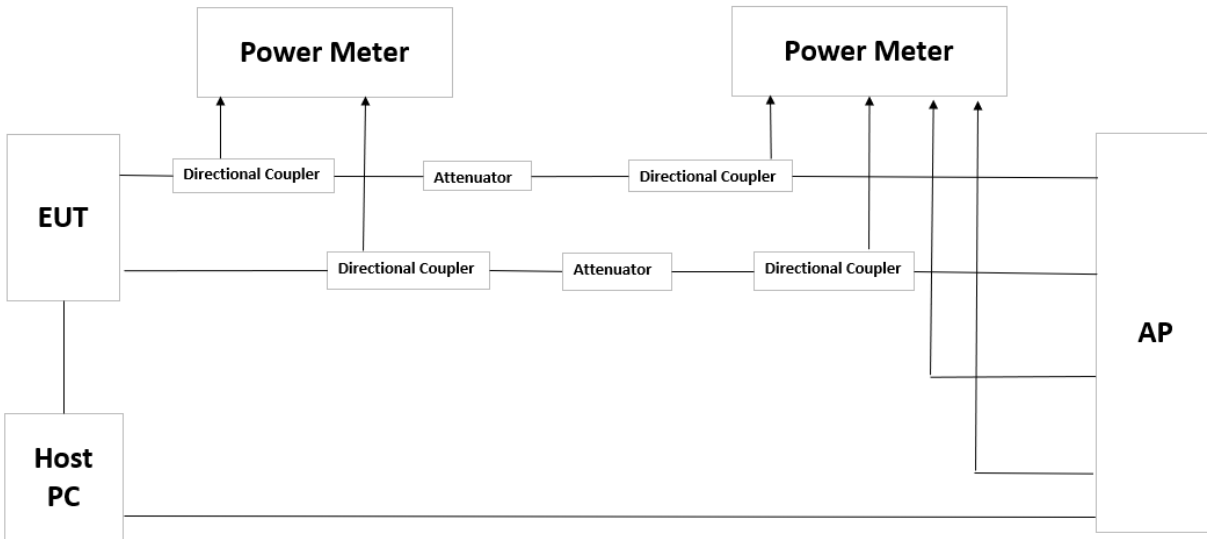


Figure 9: Test Instrument & Measurement Setup

Test Notes

1. Standard Power AP which was used in the test setup is not certified and it's a production version.
2. Standard Power AP specification is declared by Apple/manufacturer
3. AFC Limit was set to 36, 28 and 21 dBm EIRP.

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36 dBm EIRP

Channel	Frequency (MHz)	Mode	Power Measured (dBm)					Correlated Gain (dBi)	Measured e.i.r.p (dBm)
			Ant0	Ant1	Ant2	Ant3	Summed		
5	5975	TxBF	20.32	19.78	19.86	19.71	25.94	6.02	31.72

Table 294. AP measured e.i.r.p

Channel	Frequency (MHz)	Power Measured (dBm)			Correlated Gain (dBi)	Measured e.i.r.p (dBm)
		Antenna 5b	Antenna 4a	Summed		
5	5975	12.82	6.38	13.71	2.3	16.01

Table 295. EUT measured e.i.r.p (MIMO)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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28 dBm EIRP

Channel	Frequency (MHz)	Mode	Power Measured (dBm)					Correlated Gain (dBi)	Measured e.i.r.p (dBm)
			Ant0	Ant1	Ant2	Ant3	Summed		
5	5975	CDD	19.59	19.58	19.75	19.32	25.58	0	25.62

Table 296. AP measured e.i.r.p

Channel	Frequency (MHz)	Power Measured (dBm)			Correlated Gain (dBi)	Measured e.i.r.p (dBm)
		Antenna 5b	Antenna 4a	Summed		
5	5975	12.16	6.32	13.17	2.3	15.5

Table 297. EUT measured e.i.r.p (MIMO)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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21 dBm EIRP

Channel	Frequency (MHz)	Mode	Power Measured (dBm)					Correlated Gain (dBi)	Measured e.i.r.p (dBm)
			Ant0	Ant1	Ant2	Ant3	Summed		
5	5975	CDD	13.1	12.74	13.16	12.39	18.88	0	18.81

Table 298. AP measured e.i.r.p

Antenna	Channel	Frequency (MHz)	Power Measured (dBm)	Antenna Gain (dBi)	Measured e.i.r.p (dBm)
5b	5	5975	10.66	2.0	12.66
4a	5	5975	6.39	2.3	8.69

Table 299. EUT measured e.i.r.p (SISO)

FCC ID: BCGA2837 IC: 579C-A2837		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.11 Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP

§15.407; RSS-248

Test Overview and Limits

A client device may connect to a Standard Power AP with a maximum power level of 30 dBm EIRP. A client may also connect to a Low Power indoor AP, but the power level is limited to a maximum of 24 dBm EIRP. If a client has the flexibility to connect to both APs, verification is needed to show that it can distinguish between the two configurations, and then control the power levels accordingly.

Test Procedure Used

KDB 987594 D02 v02r01 – Section K
ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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

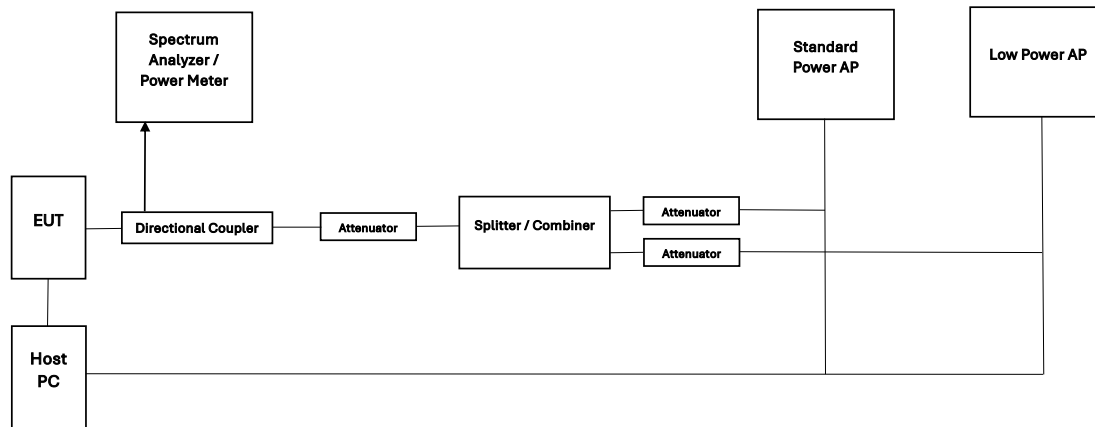


Figure 10: Test Instrument & Measurement Setup

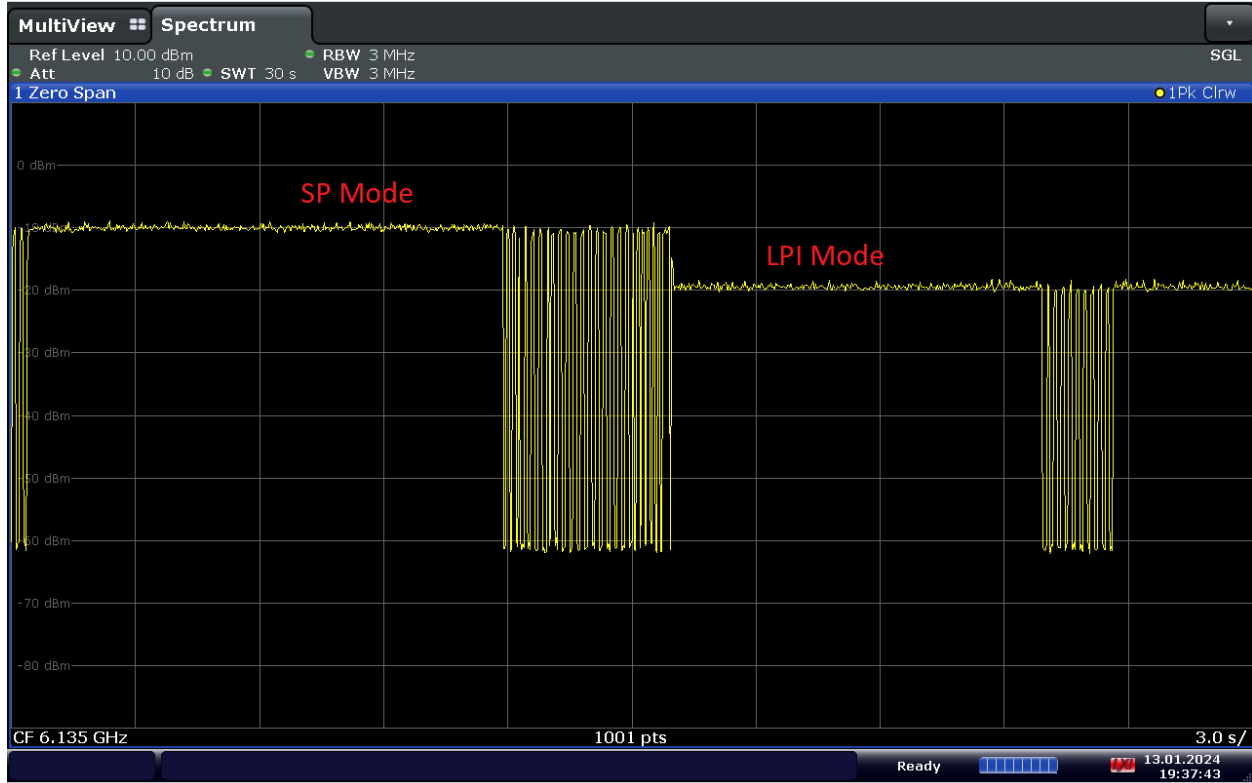
Test Notes

1. Standard Power AP which was used in the test setup is not certified and it's a production version.
2. Standard Power AP specification is declared by Apple/manufacturer.
3. Standard Power AP was set on highest power setting (36dBm EIRP)
4. Standard Power AP and Low Power Indoor AP were configured to transmit on same channel.
5. DUT was configured for SISO transmission so Core 0 was measured.

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Element



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Figure 11: Client device observation from Standard Power AP to Low Power Indoor AP

Channel	Frequency (MHz)	Mode	Power Measured (dBm)					Correlated Gain (dBi)	Measured e.i.r.p (dBm)
			Ant0	Ant1	Ant2	Ant3	Summed		
37	6135	TxBF	20.21	20.05	19.97	19.91	26.06	6.02	32.08

Table 300: Measured e.i.r.p from Standard Power AP

Antenna	Channel	Frequency (MHz)	Power Measured (dBm)	Antenna Gain (dBi)	Measured e.i.r.p (dBm)
5b	37	6135	12.22	2.0	14.22

Table 301: EUT measured e.i.r.p when established with Standard Power AP

Antenna	Channel	Frequency (MHz)	Power Measured (dBm)	Antenna Gain (dBi)	Measured e.i.r.p (dBm)
5b	37	6135	4.08	2.0	6.08

Table 302: EUT measured e.i.r.p when established with Low Power Indoor AP

FCC ID: BCGA2837 IC: 579C-A2837		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: BCGA2837** and **IC: 579C-A2837** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-248 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA2837 IC: 579C-A2837	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270068-25-R1.BCG	Test Dates: 11/28/2023 - 04/04/2024	EUT Type: Tablet Device	Page 615 of 615

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