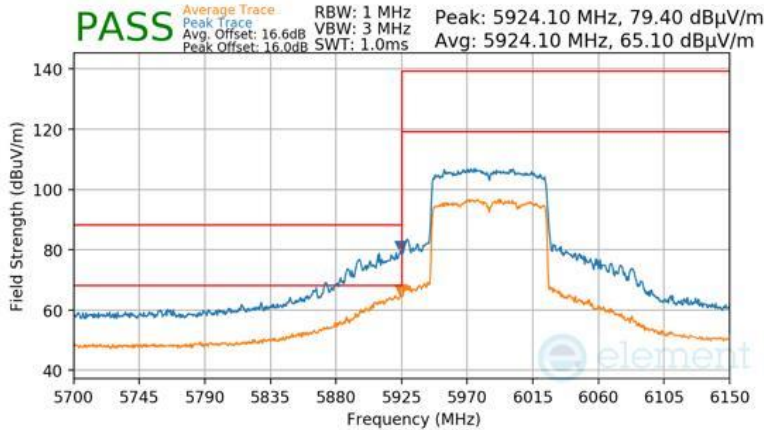


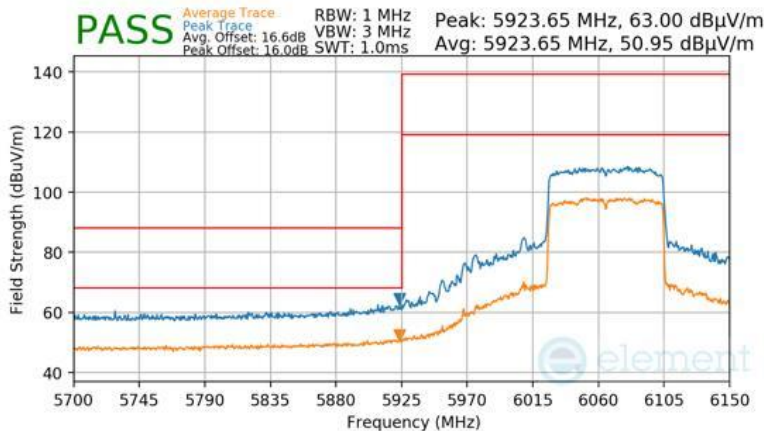
RU996

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



Plot 7-1747. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

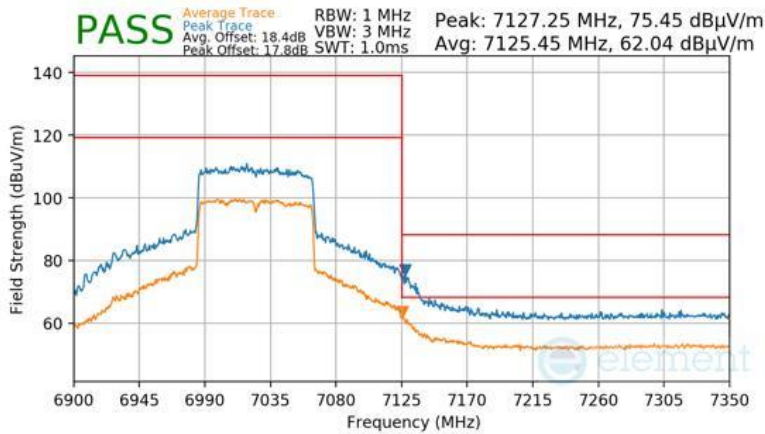
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6065MHz
 Channel: 23



Plot 7-1748. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

| | | | |
|---|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 551 of 616 |

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



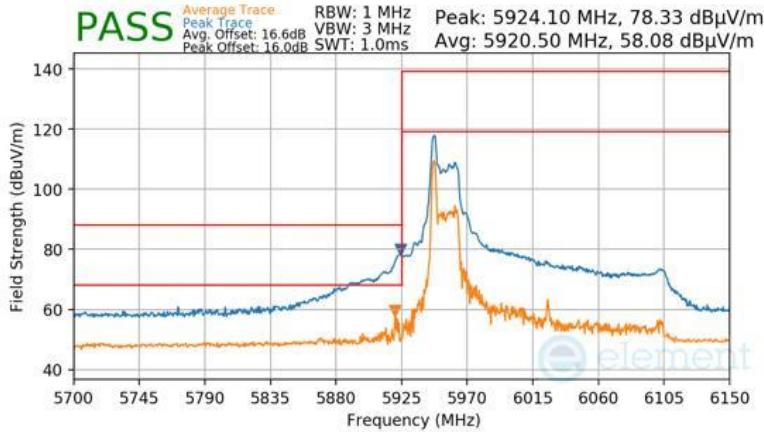
Plot 7-1749. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

7.7.13 Antenna WF8 Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

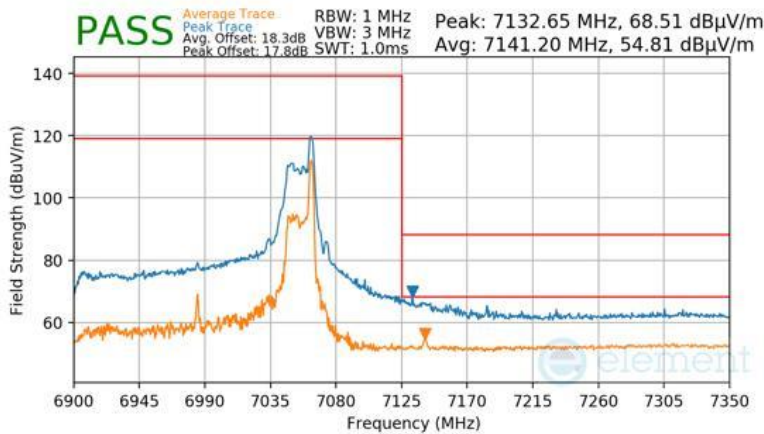
RU26

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



Plot 7-1750. Antenna WF8 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

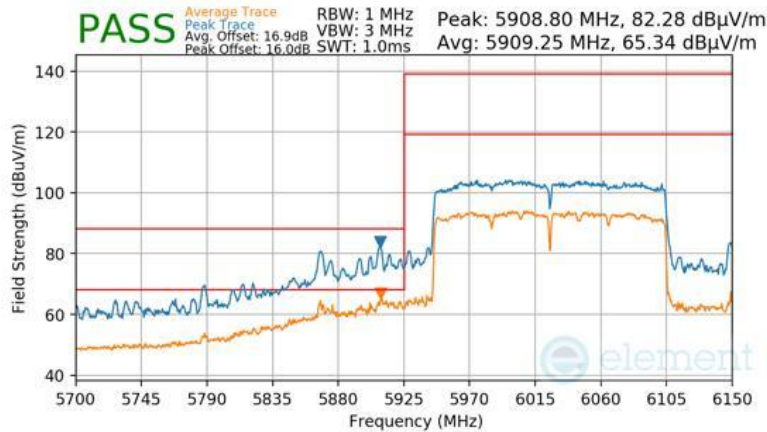


Plot 7-1751. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 553 of 616 |

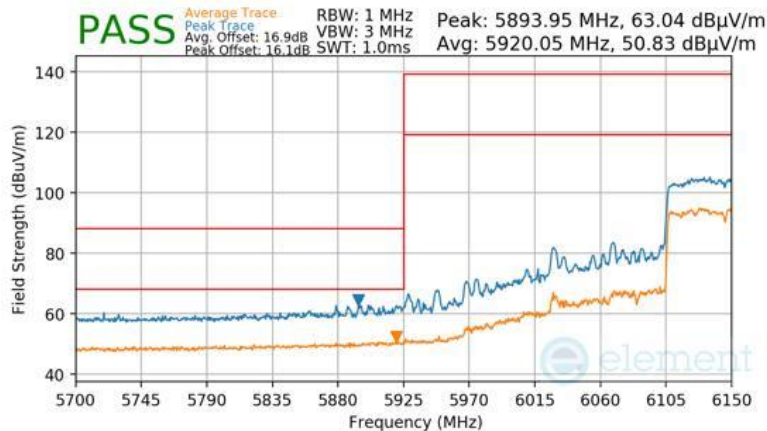
RU996x2

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



Plot 7-1752. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

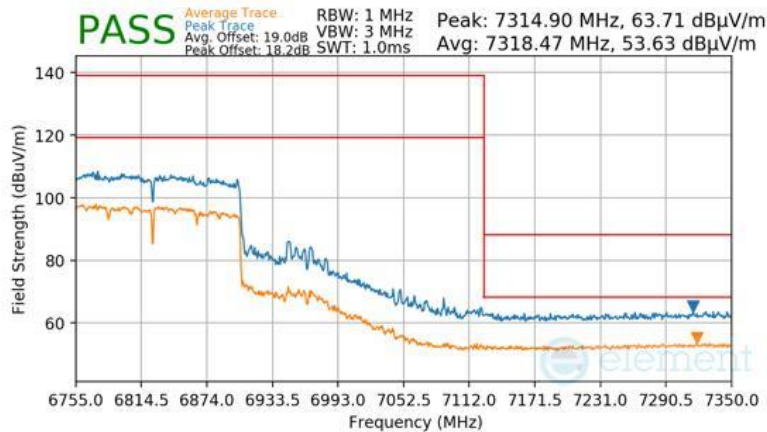
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1753. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

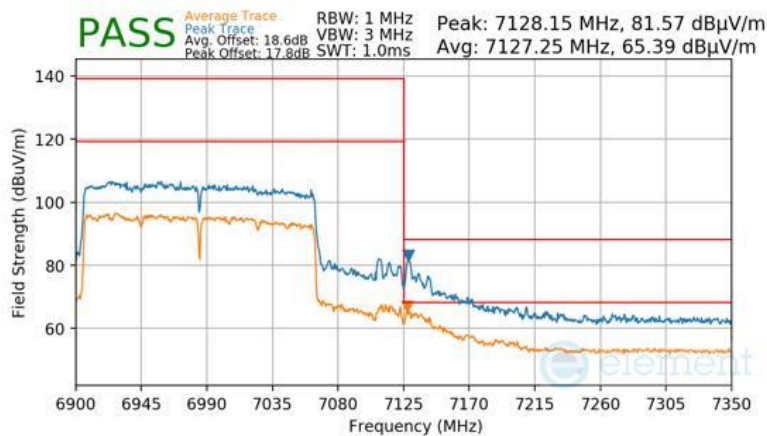
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 554 of 616 |

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



Plot 7-1754. Antenna WF8 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: 6985MHz
 Channel: 207



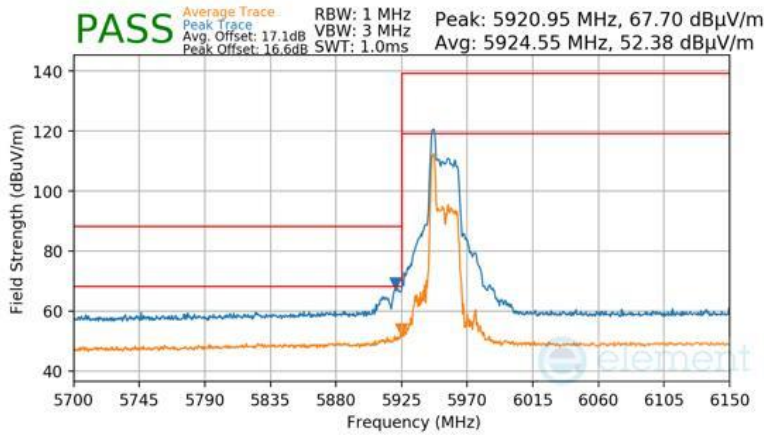
Plot 7-1755. Antenna WF8 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996x2)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 555 of 616 |

7.7.14 Antenna WF7 Radiated Band Edge Measurements (20MHz BW) \$15.407(b.1)(b.2) \$15.205 \$15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

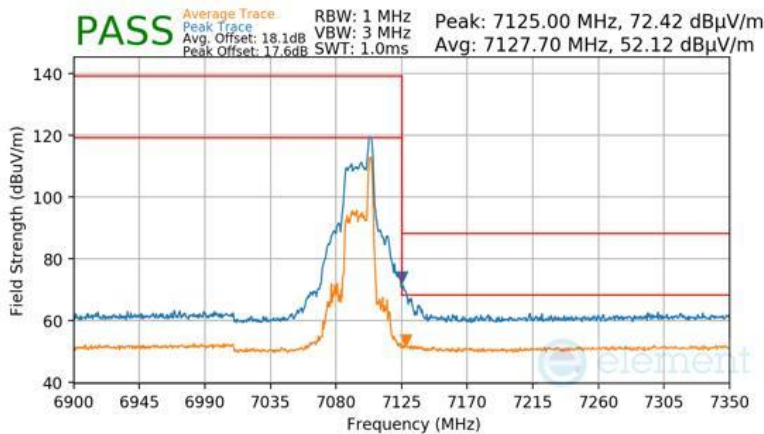
RU26

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



Plot 7-1756. Antenna WF7 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

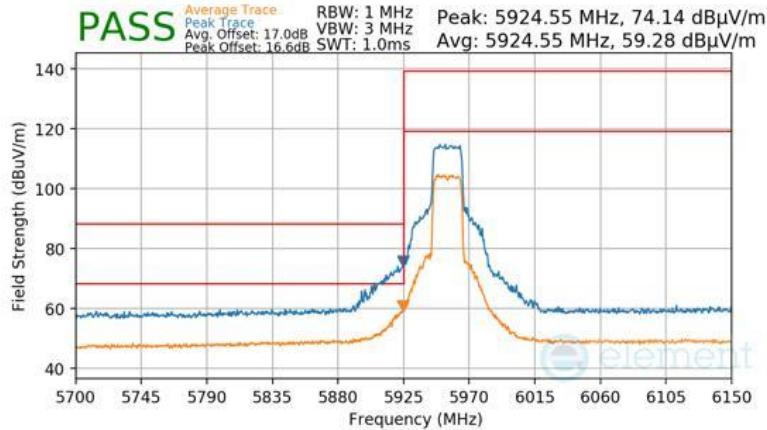


Plot 7-1757. Antenna WF7 Radiated Lower Band Edge (Peak/Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 556 of 616 |

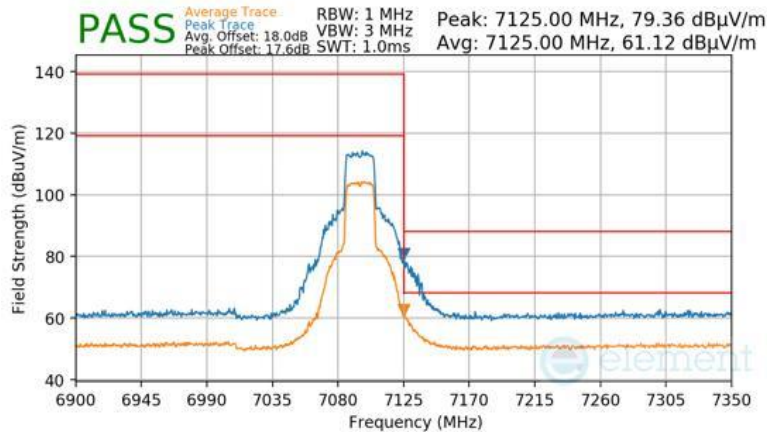
RU242

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



Plot 7-1758. Antenna WF7 Radiated Lower Band Edge (Peak/Average – UNII Band 5 – RU242)

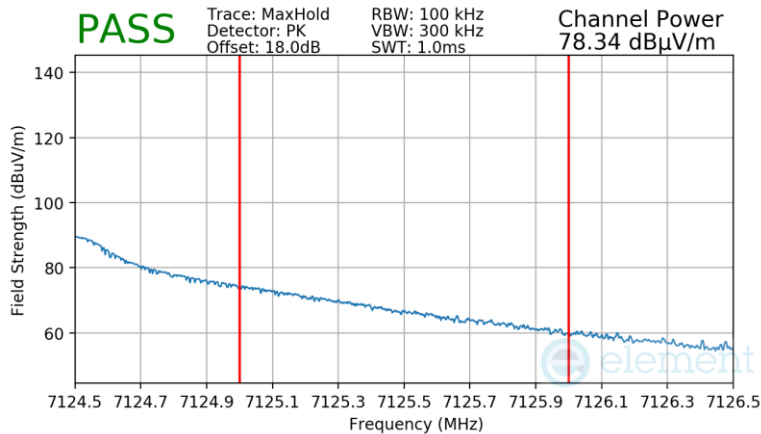
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



Plot 7-1759. Antenna WF7 Radiated Lower Band Edge (Peak/Average – UNII Band 8 – RU242)

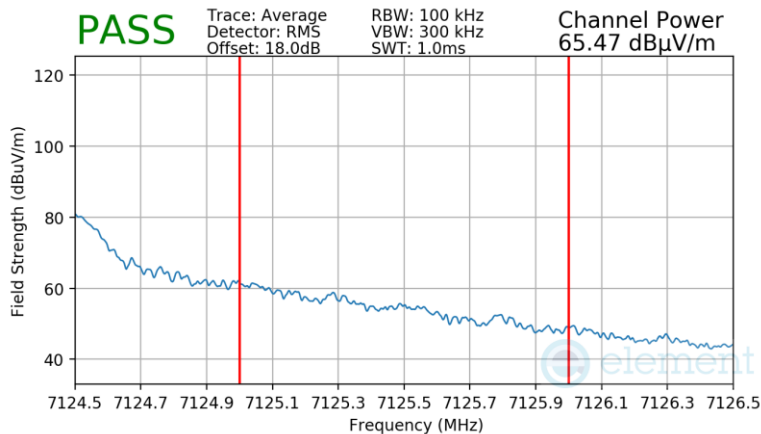
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 557 of 616 |

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



Plot 7-1760. Antenna WF7 Radiated Lower 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



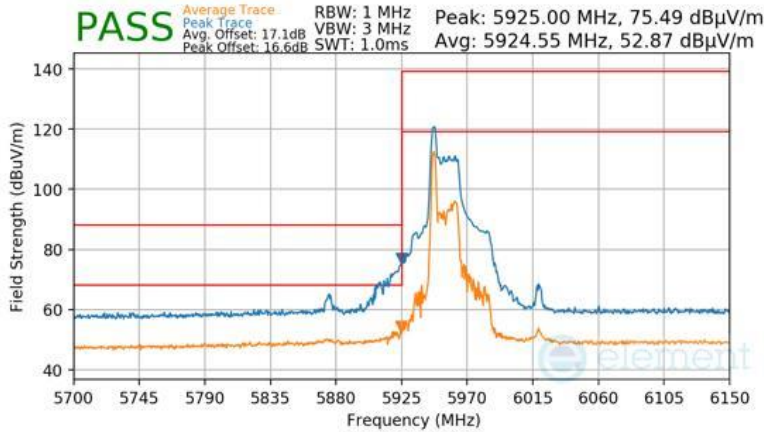
Plot 7-1761. Antenna WF7 Radiated Lower Band Edge (Average – UNII Band 8 – RU242)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

7.7.15 Antenna WF7 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

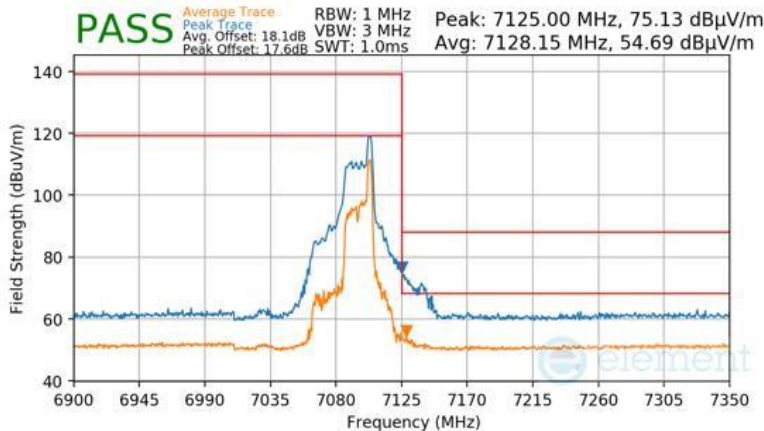
RU26

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



Plot 7-1762. Antenna WF7 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

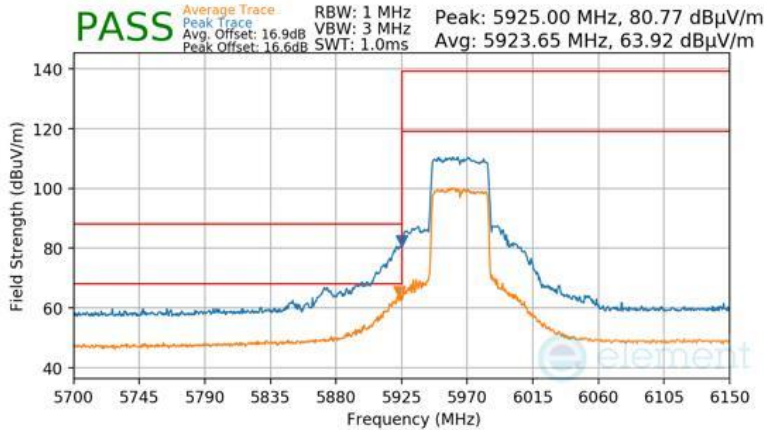


Plot 7-1763. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 559 of 616 |

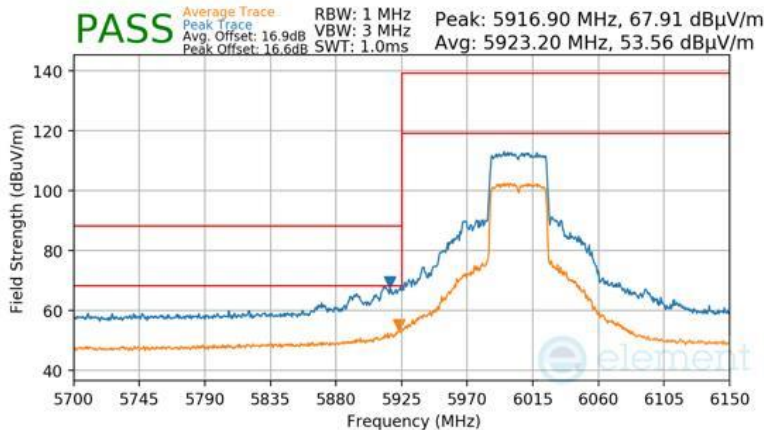
RU484

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



Plot 7-1764. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

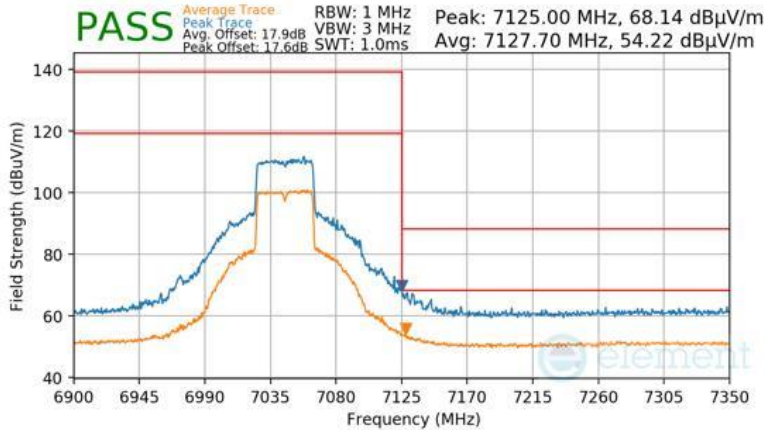
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



Plot 7-1765. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU484)

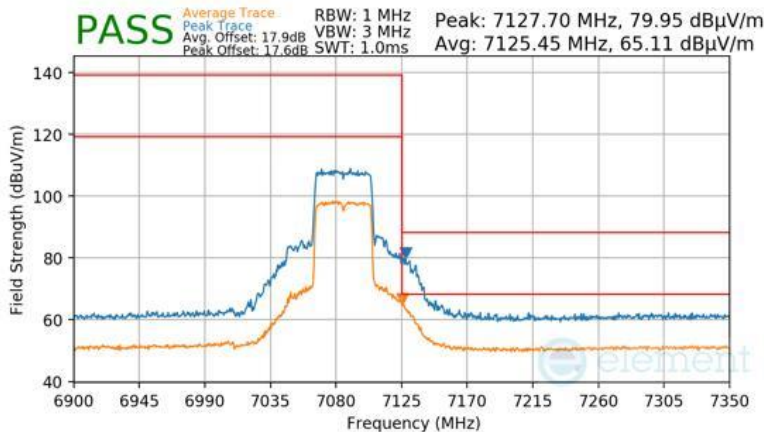
| | | |
|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device |

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



Plot 7-1766. Antenna WF7 Radiated Lower 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



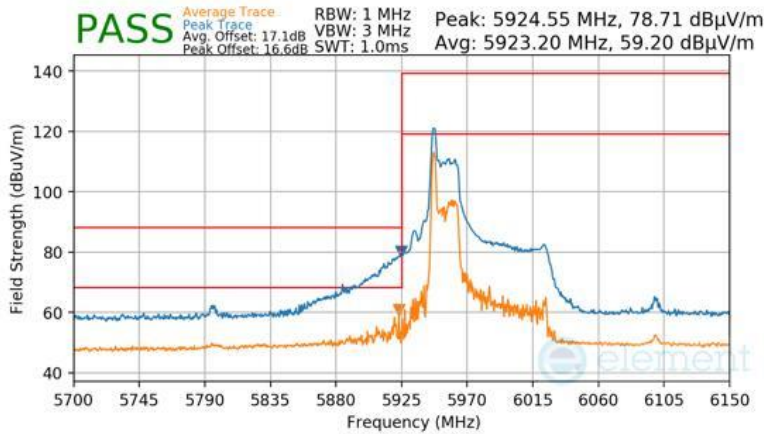
Plot 7-1767. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU484)

| | | | |
|---|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 561 of 616 |

7.7.16 Antenna WF7 Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

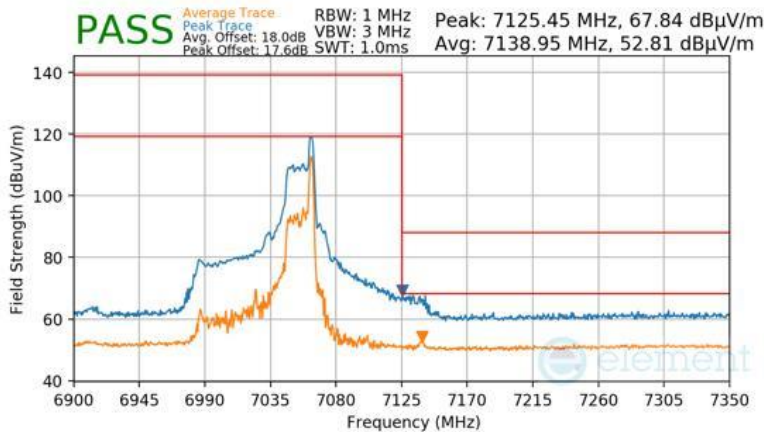
RU26

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



Plot 7-1768. Antenna WF7 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

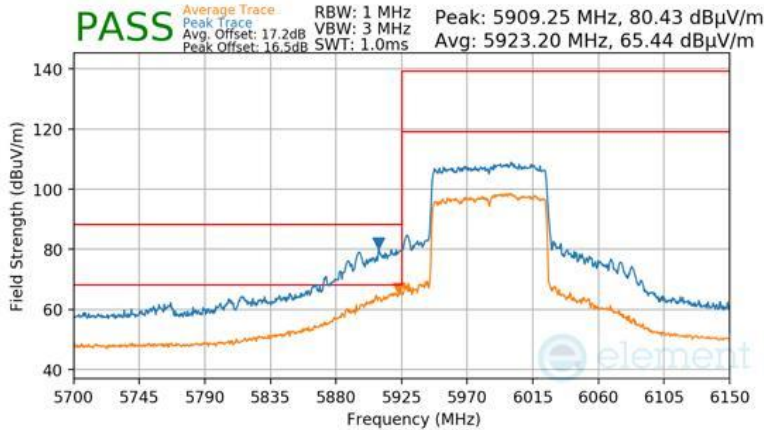


Plot 7-1769. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 562 of 616 |

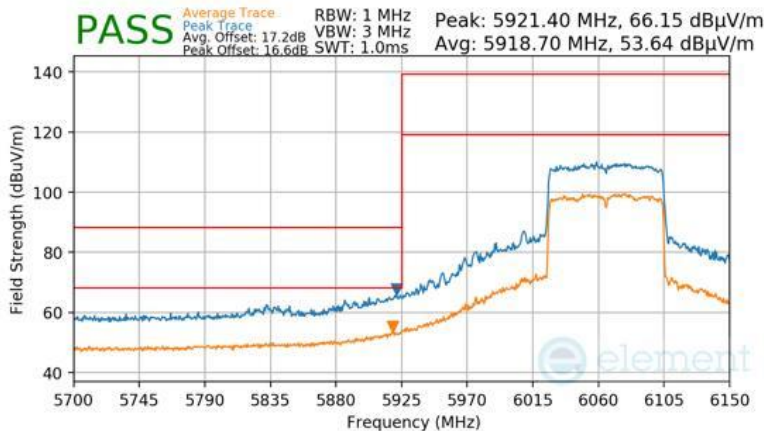
RU996

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



Plot 7-1770. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

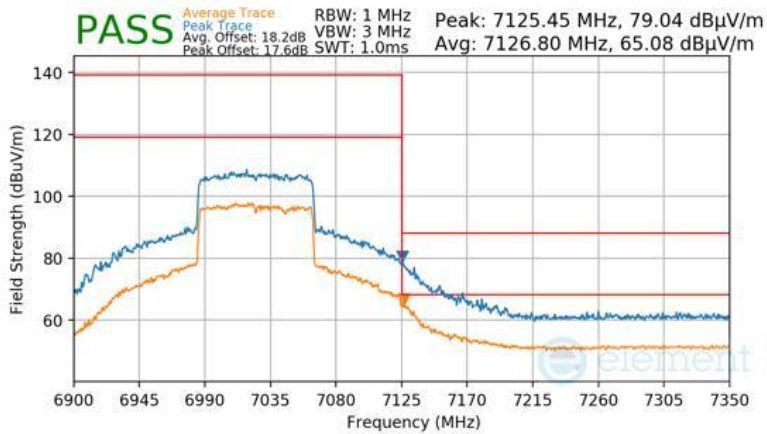
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6065MHz
 Channel: 23



Plot 7-1771. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

| | | |
|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device |
| | | Page 563 of 616 |

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



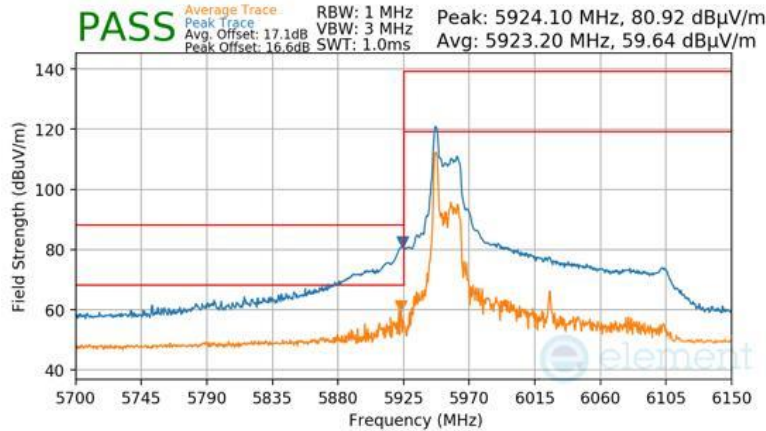
Plot 7-1772. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 564 of 616 |

7.7.17 Antenna WF7 Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

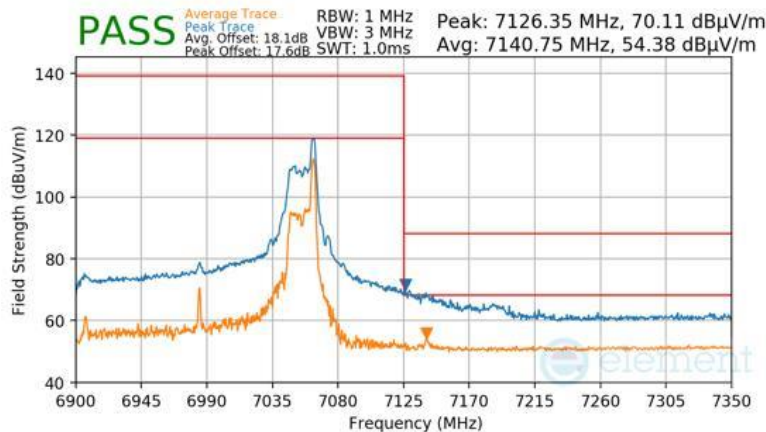
RU26

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



Plot 7-1773. Antenna WF7 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

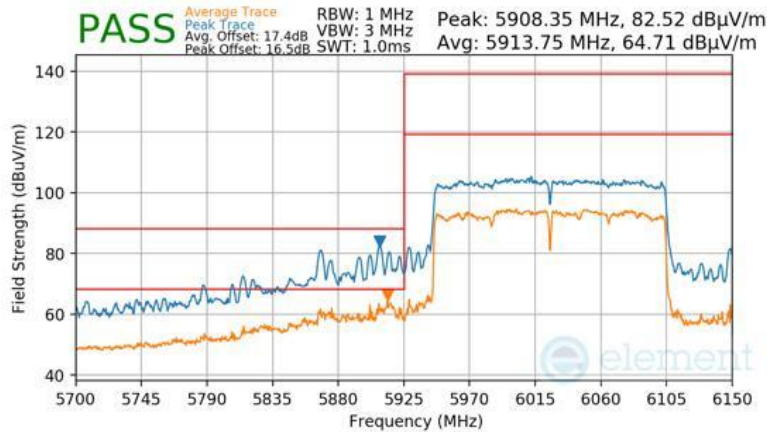


Plot 7-1774. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 565 of 616 |

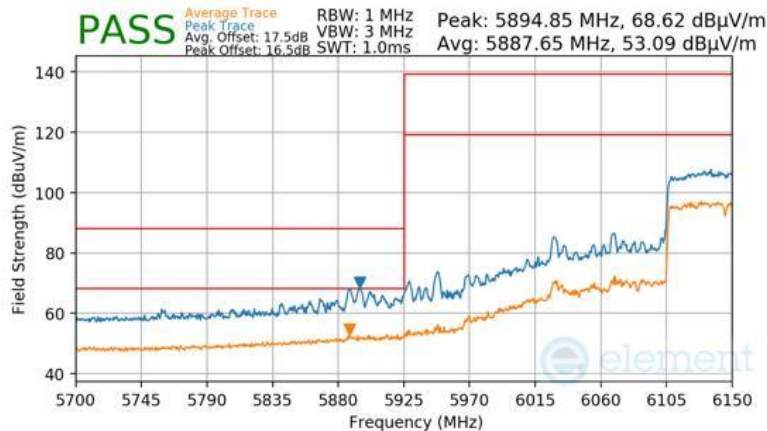
RU996x2

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



Plot 7-1775. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

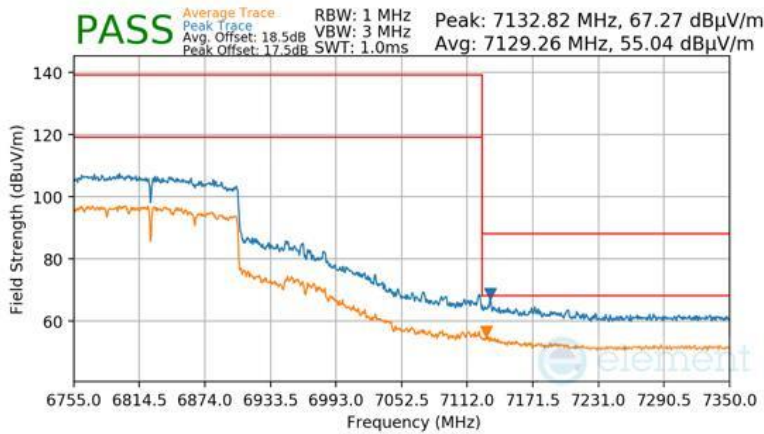
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1776. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

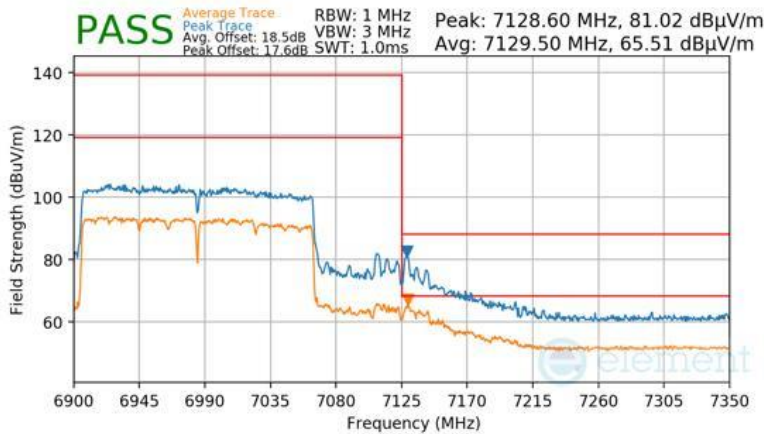
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 566 of 616 |

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



Plot 7-1777. Antenna WF7 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: 6985MHz
 Channel: 207



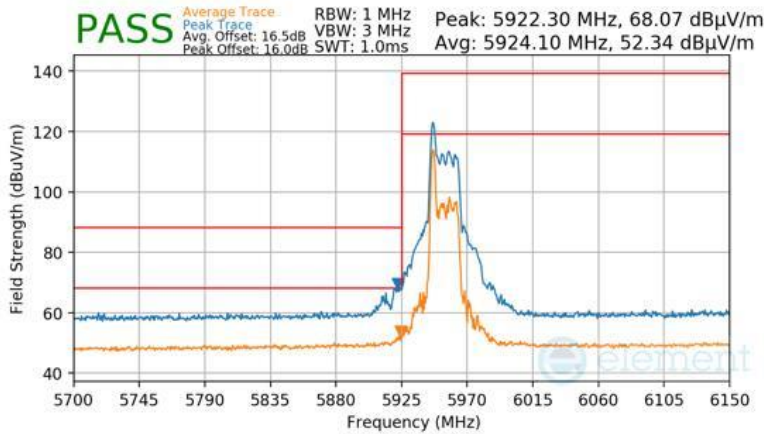
Plot 7-1778. Antenna WF7 Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996x2)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

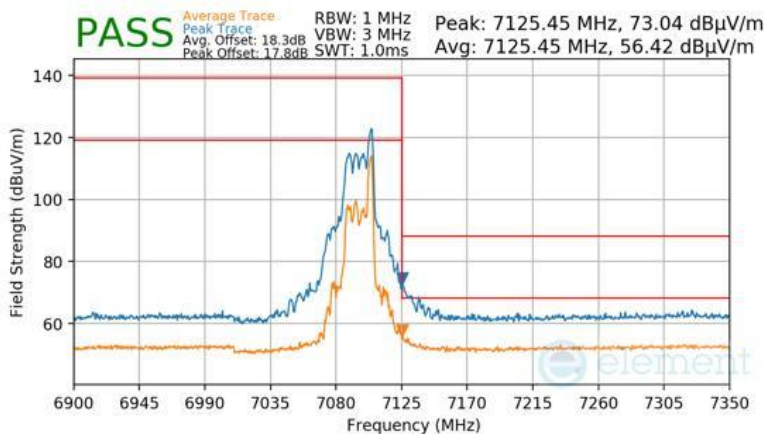
RU26

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

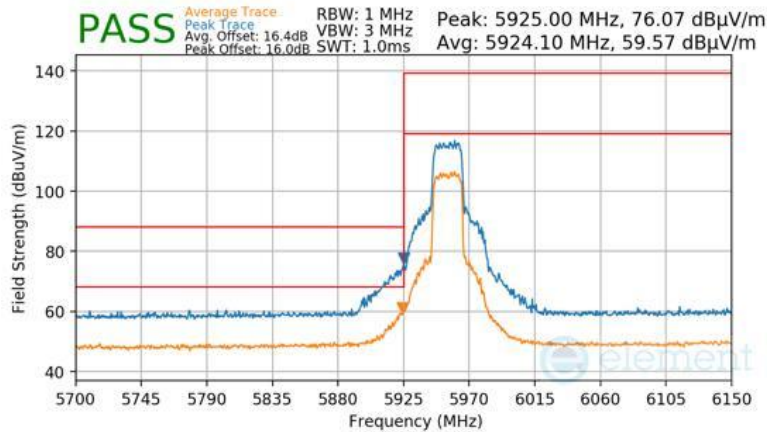


Plot 7-1780. SDM Primary Radiated Lower Band Edge (Peak/Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 568 of 616 |

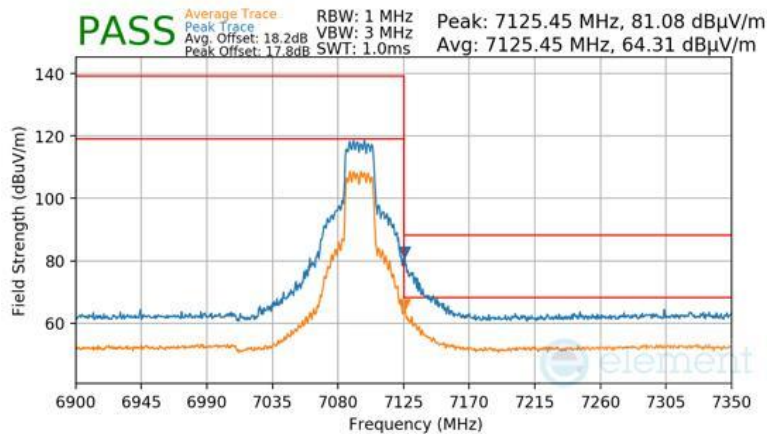
RU242

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)

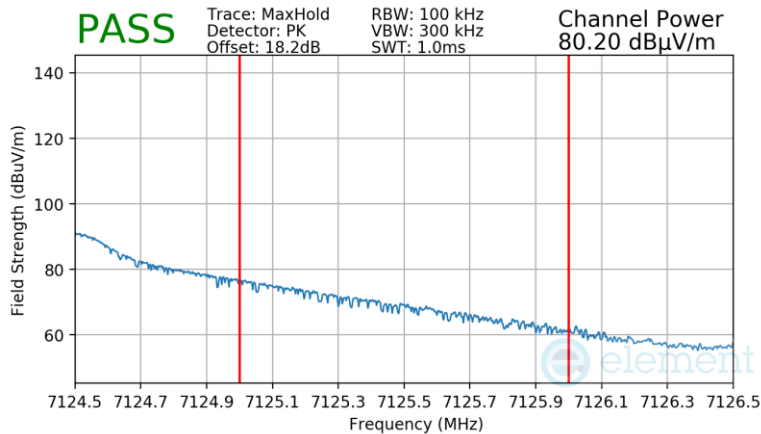
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



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

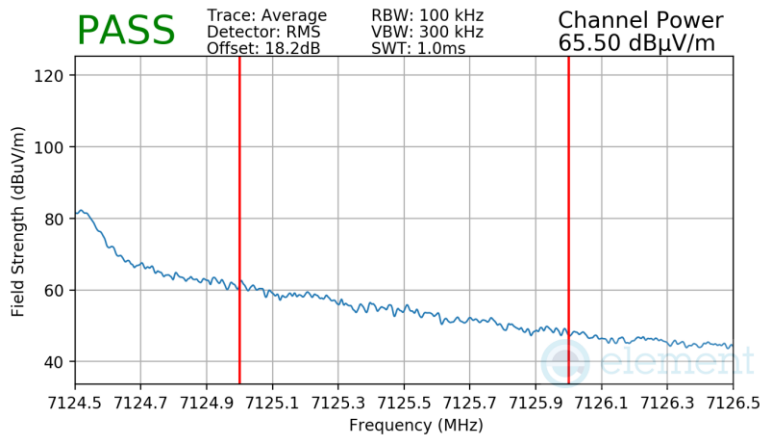
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 569 of 616 |

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 Lower 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



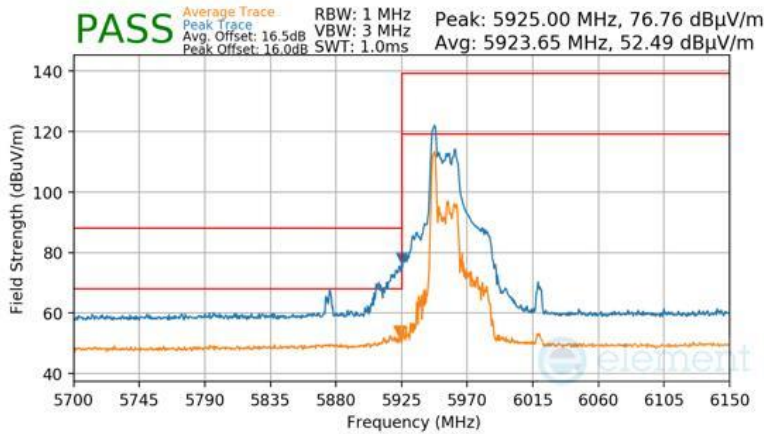
Plot 7-1784. SDM Primary Radiated Lower Band Edge (Average – UNII Band 8 – RU242)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

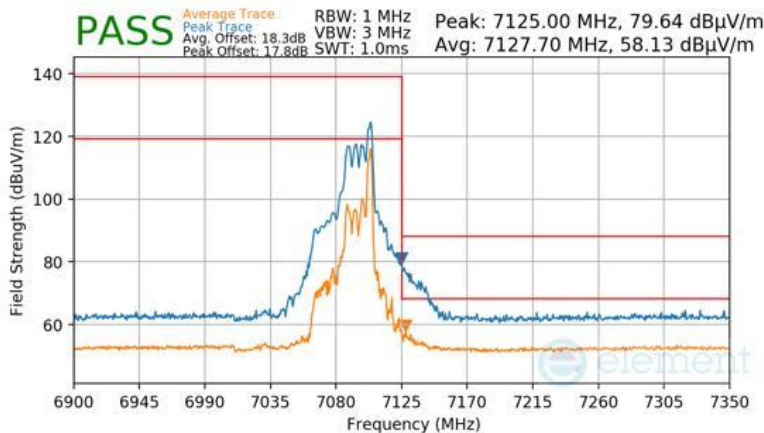
RU26

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

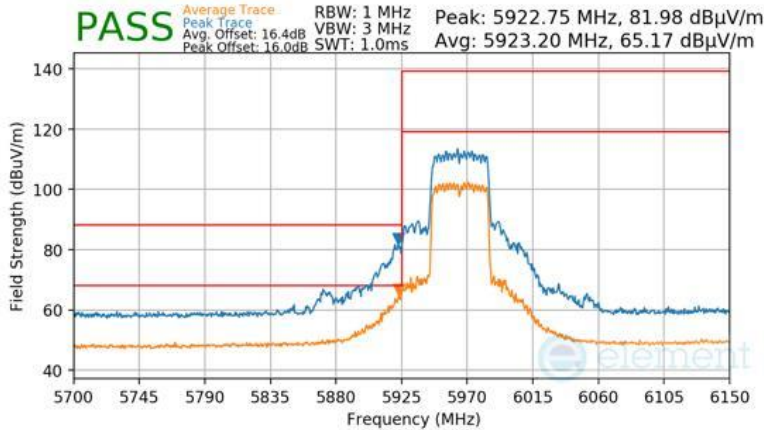


Plot 7-1786. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 571 of 616 |

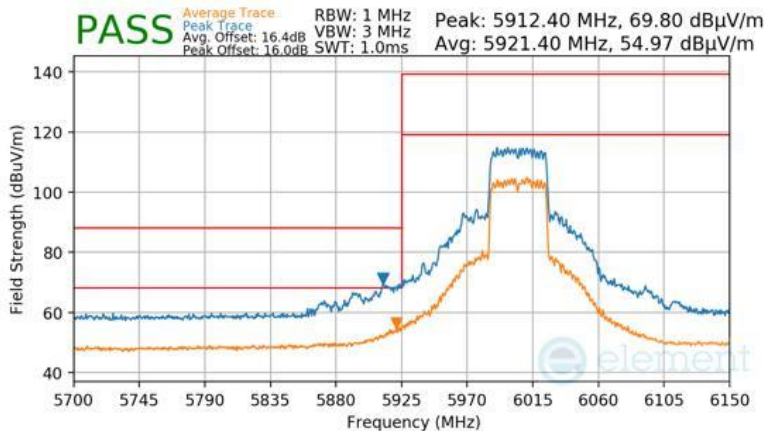
RU484

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)

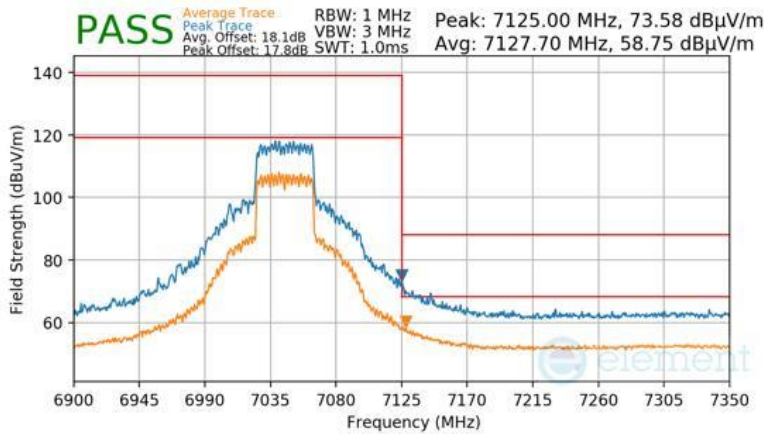
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



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

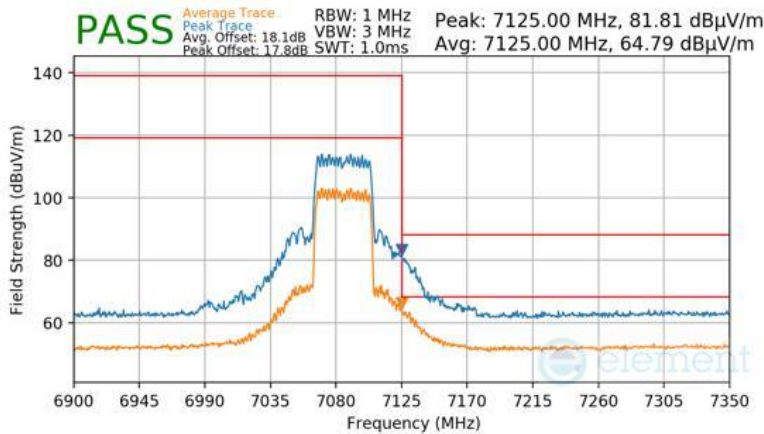
| | | |
|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device |

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



Plot 7-1789. 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: 7085MHz
 Channel: 227



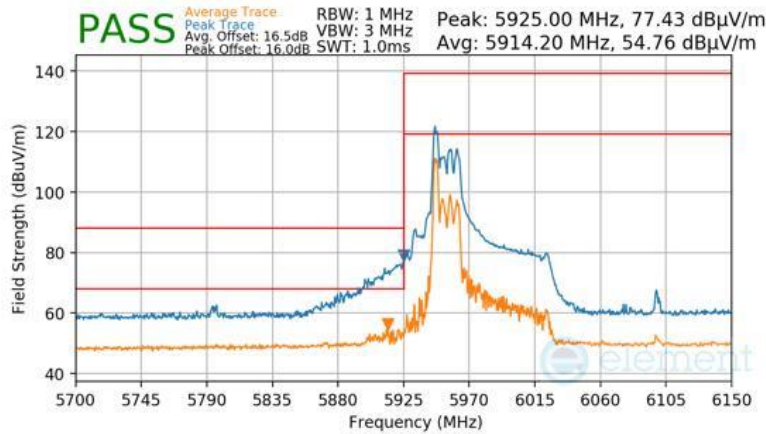
Plot 7-1790. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU484)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

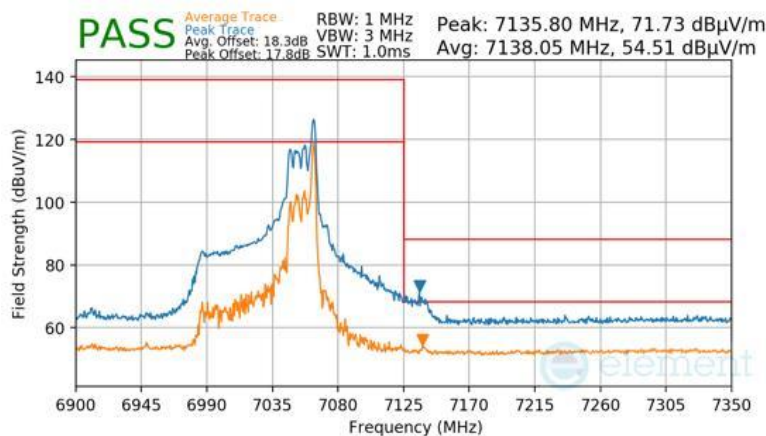
RU26

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

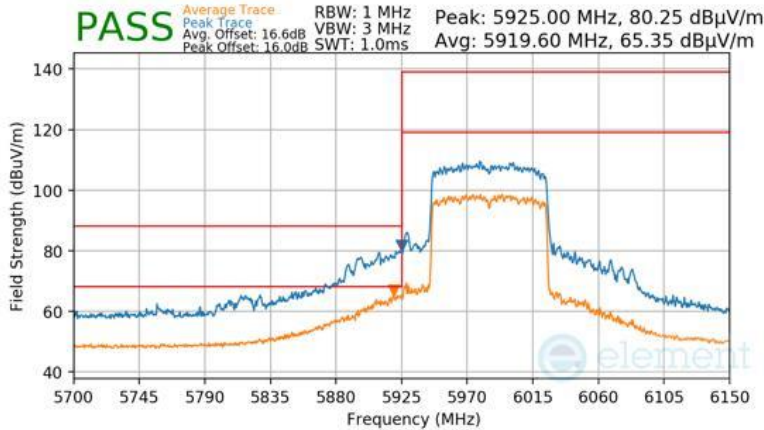


Plot 7-1792. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 574 of 616 |

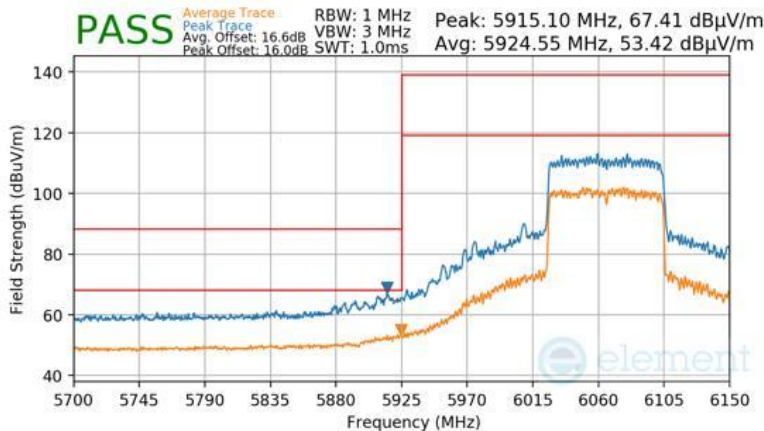
RU996

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)

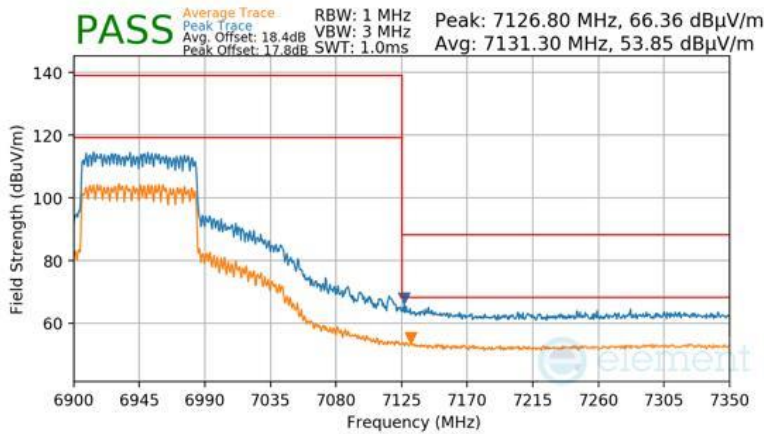
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 23



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

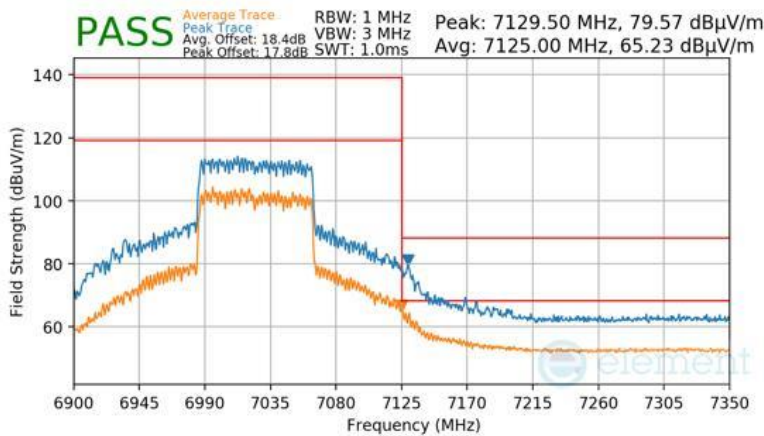
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 575 of 616 |

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 Lower 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



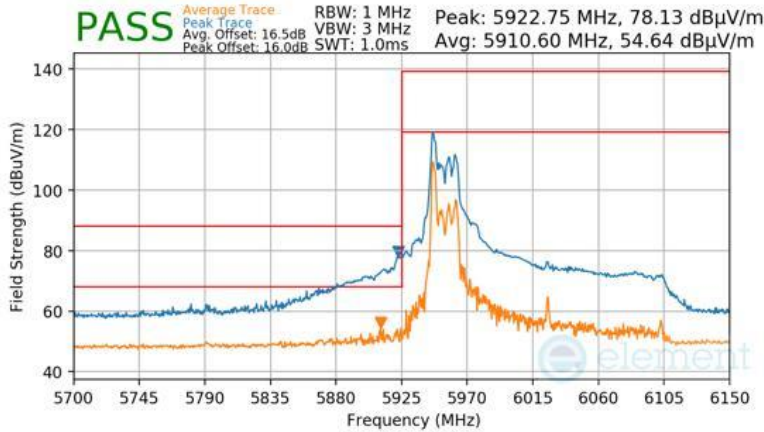
Plot 7-1796. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

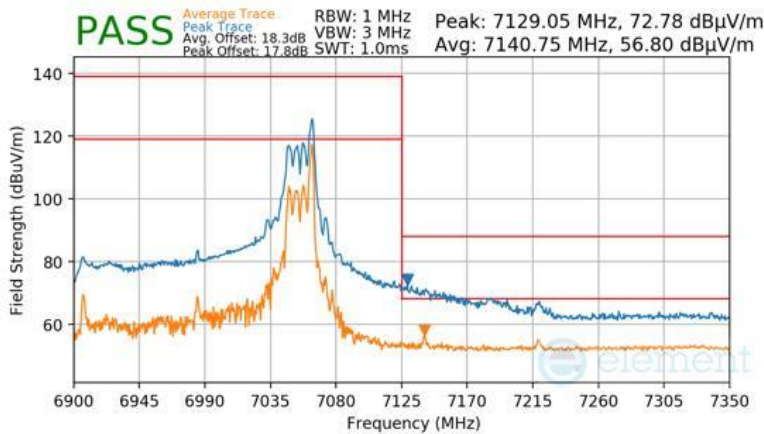
RU26

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

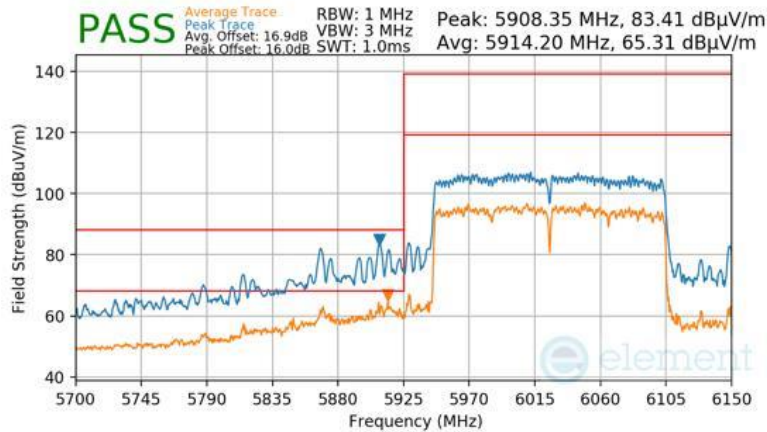


Plot 7-1798. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 577 of 616 |

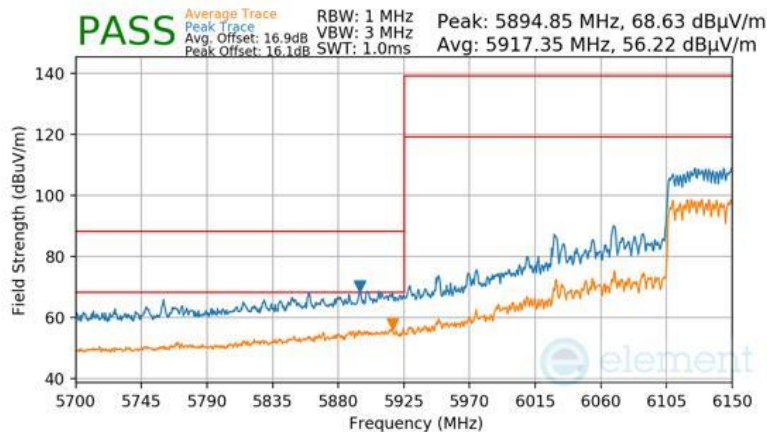
RU996x2

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)

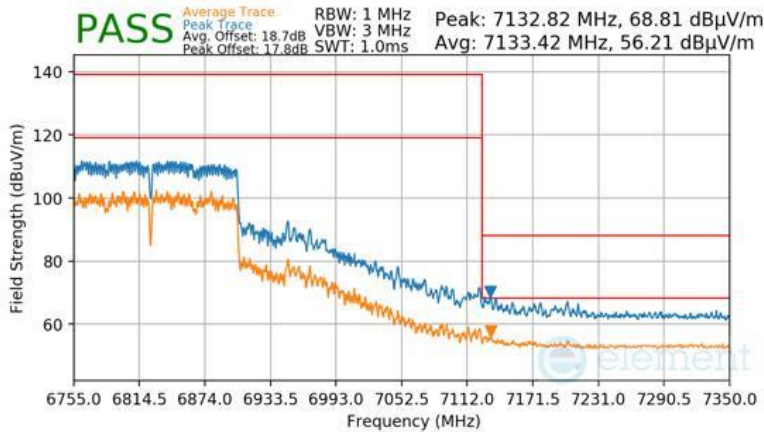
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



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

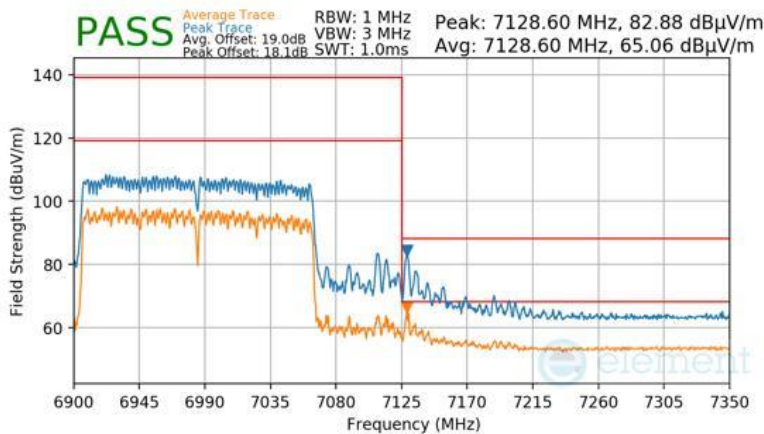
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 578 of 616 |

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 Lower 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



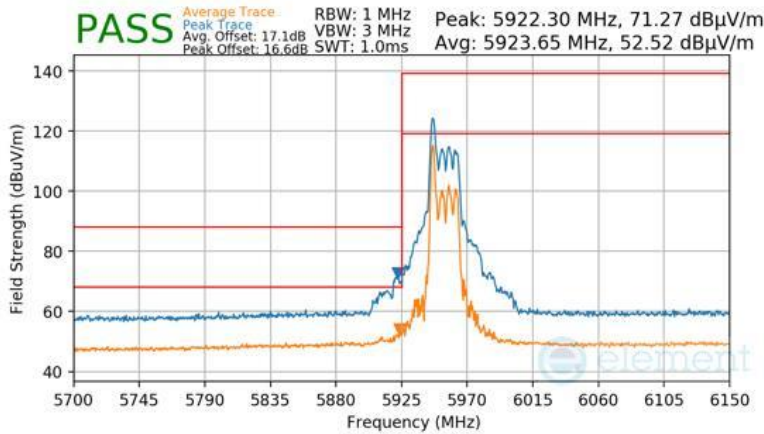
Plot 7-1802. SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996x2)

| | | |
|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device |
| | | Page 579 of 616 |

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]

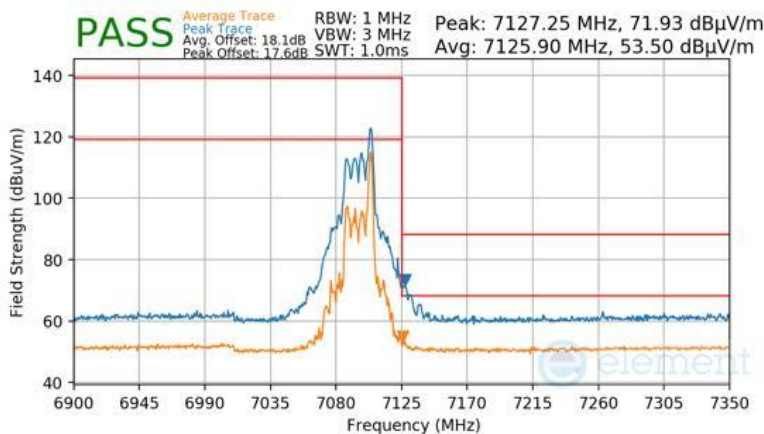
RU26

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

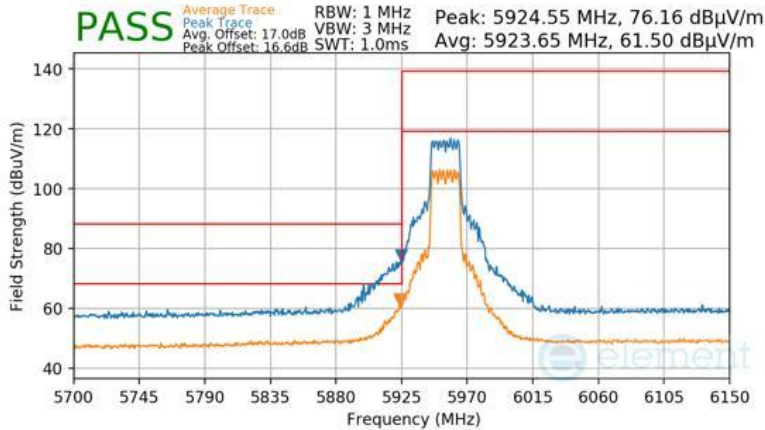


Plot 7-1804. SDM Diversity Radiated Lower Band Edge (Peak/Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 580 of 616 |

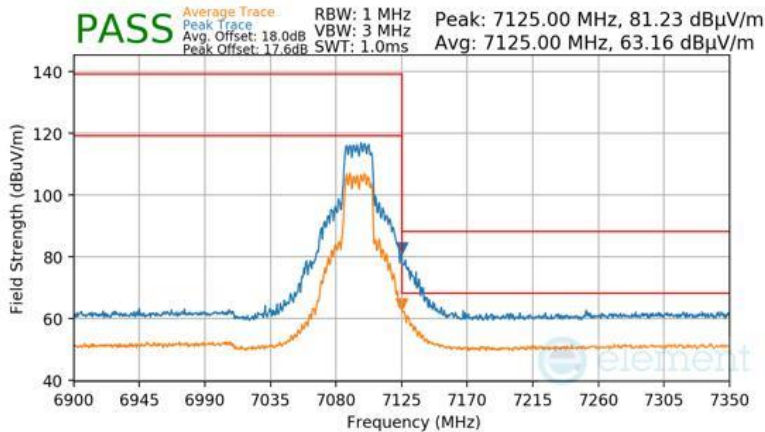
RU242

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)

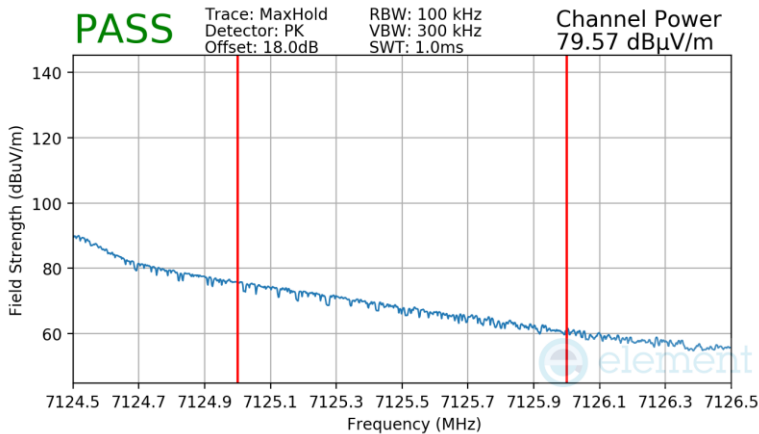
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229



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

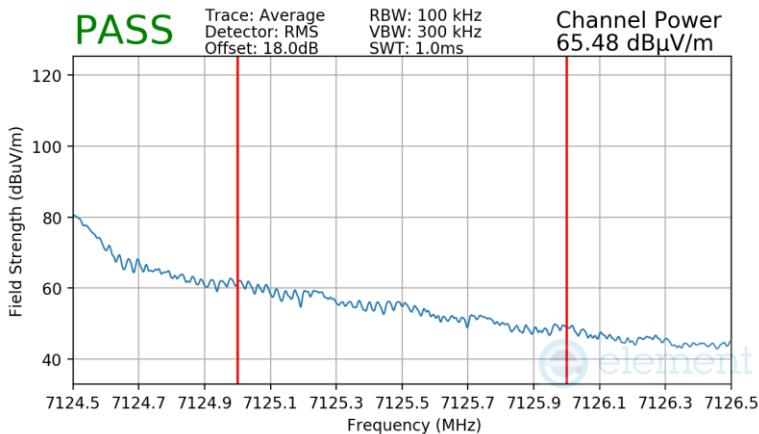
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 581 of 616 |

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 Lower 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



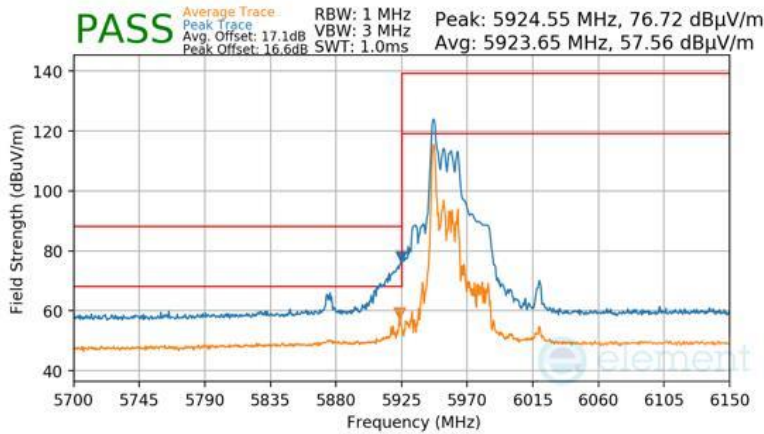
Plot 7-1808. SDM Diversity Radiated Lower Band Edge (Average – UNII Band 8 – RU242)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

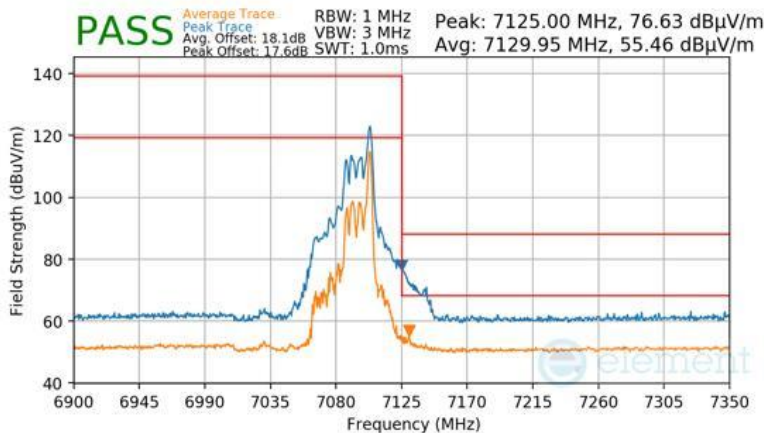
RU26

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

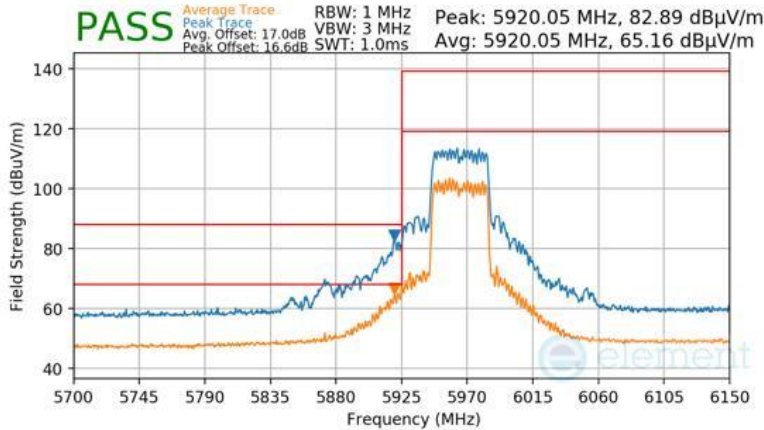


Plot 7-1810. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 583 of 616 |

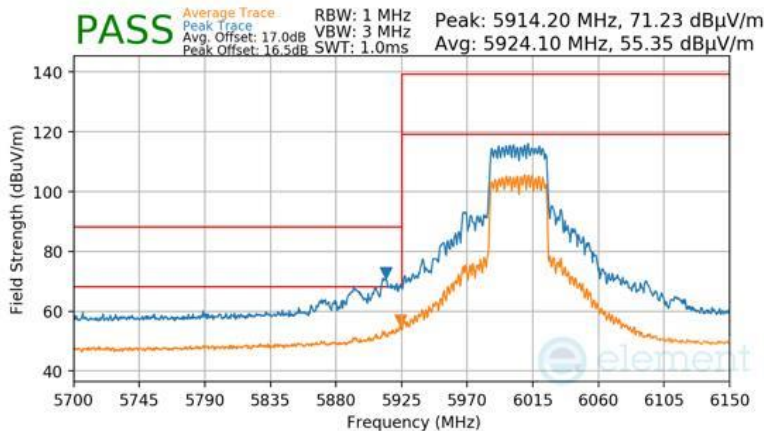
RU484

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)

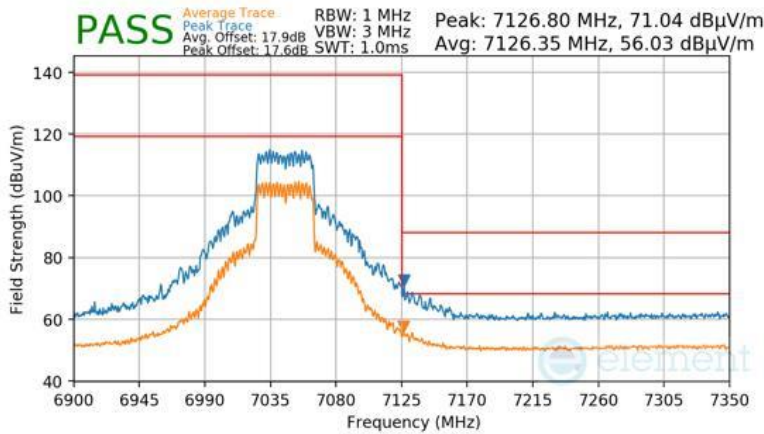
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6005MHz
 Channel: 11



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

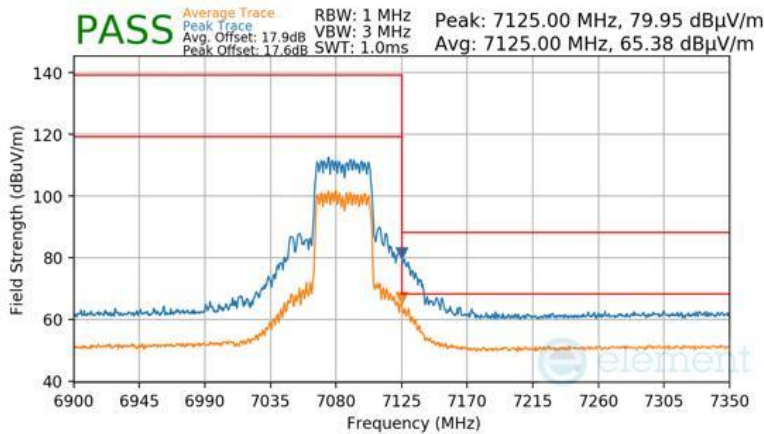
| | | | |
|---|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 584 of 616 |

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 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: 7085MHz
 Channel: 227



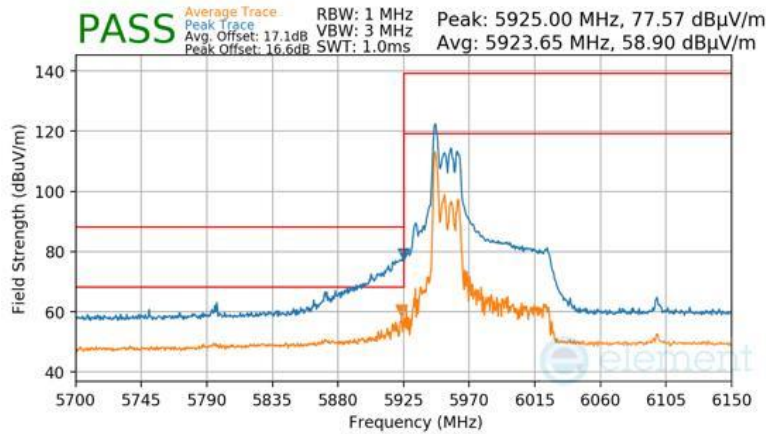
Plot 7-1814. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU484)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

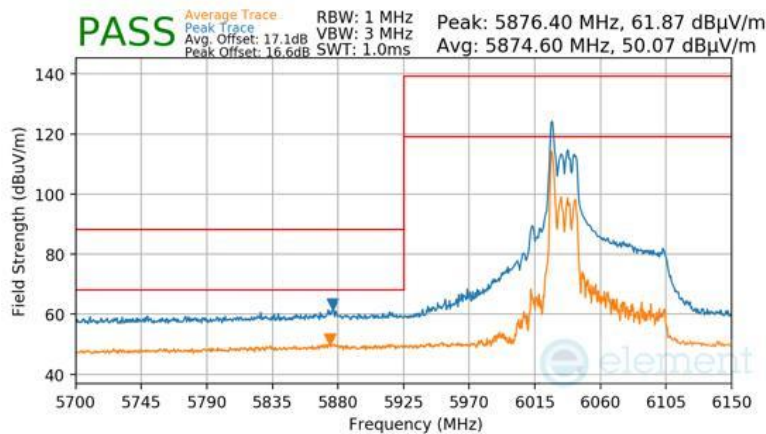
RU26

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)

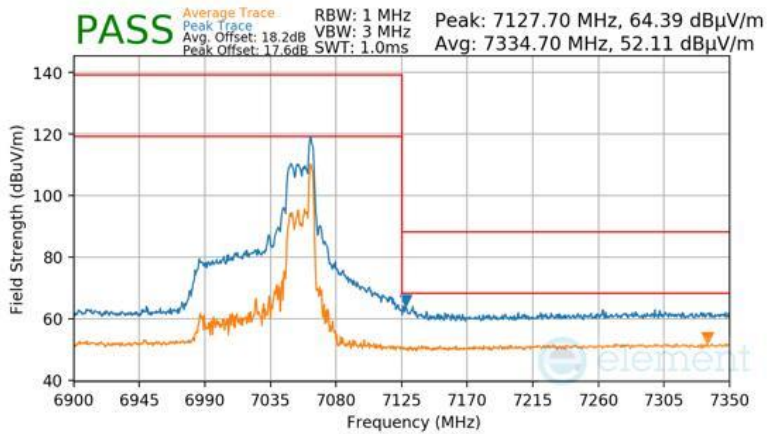
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6065MHz
 Channel: 23



Plot 7-1816. Antenna WF5B Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996x2)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 586 of 616 |

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

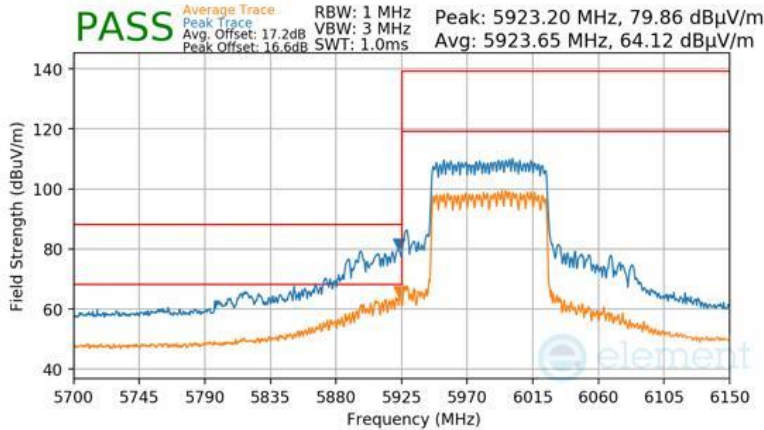


Plot 7-1817. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 587 of 616 |

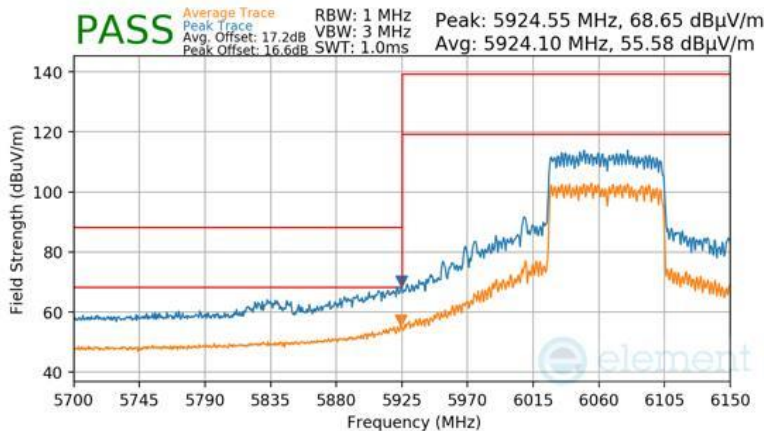
RU996

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



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

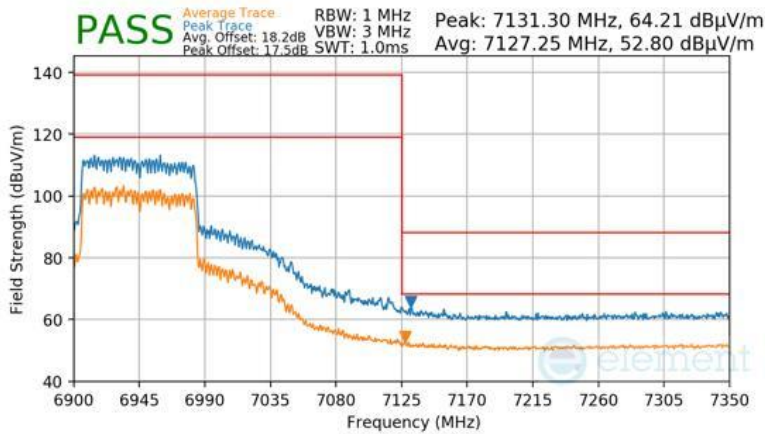
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 23



Plot 7-1819. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996)

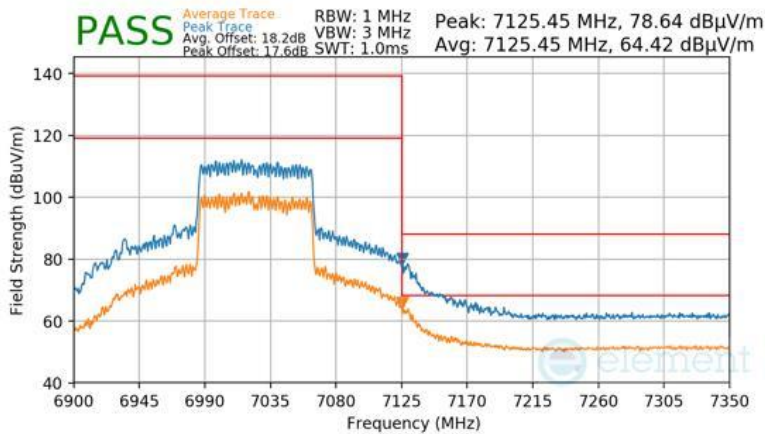
| | | | |
|---|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 588 of 616 |

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



Plot 7-1820. SDM Diversity Radiated Lower 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



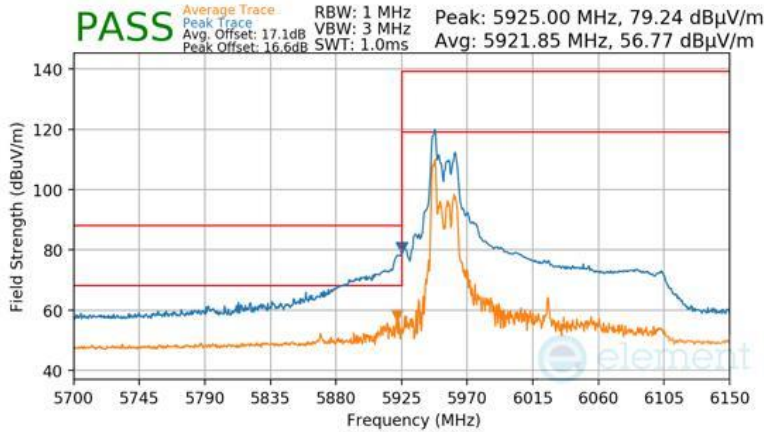
Plot 7-1821. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996)

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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]

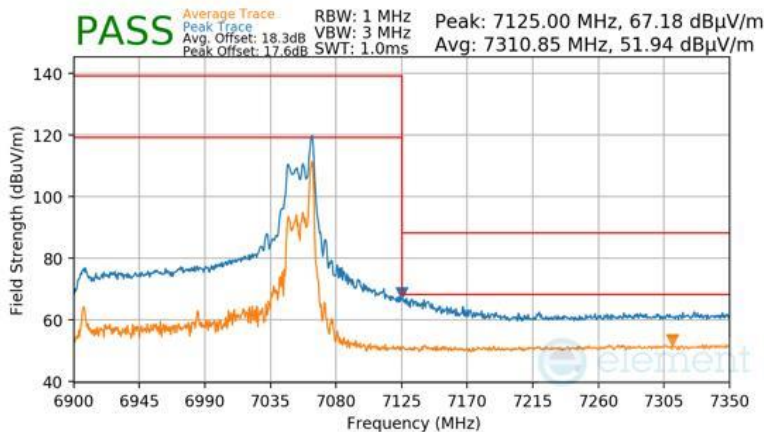
RU26

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



Plot 7-1822. 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

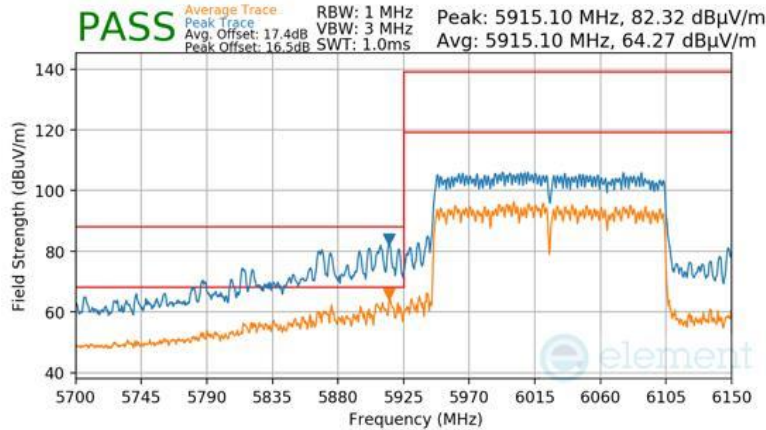


Plot 7-1823. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU26)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 590 of 616 |

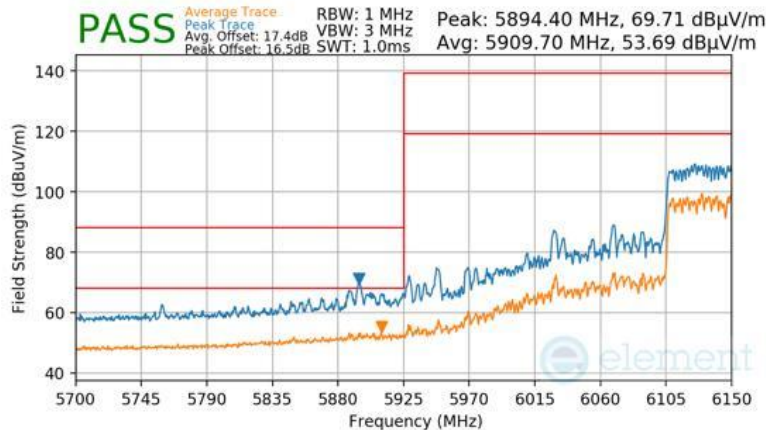
RU996x2

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



Plot 7-1824. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

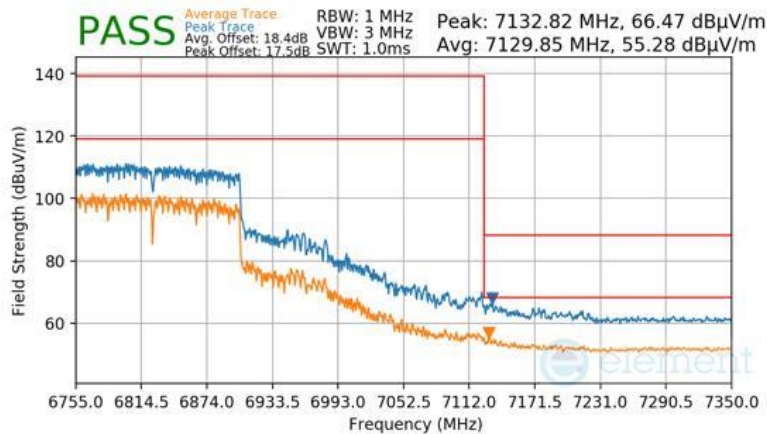
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 6185MHz
 Channel: 47



Plot 7-1825. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5 – RU996x2)

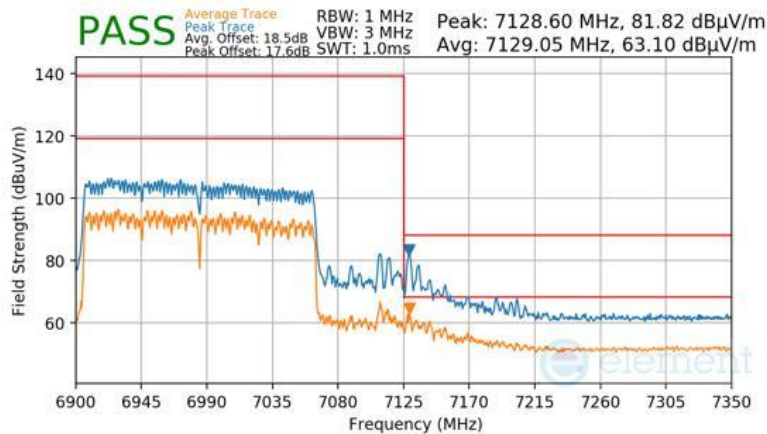
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 591 of 616 |

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



Plot 7-1826. SDM Diversity Radiated Lower 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 7-1827. SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 8 – RU996x2)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 592 of 616 |

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: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 593 of 616 |

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Test Setup

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

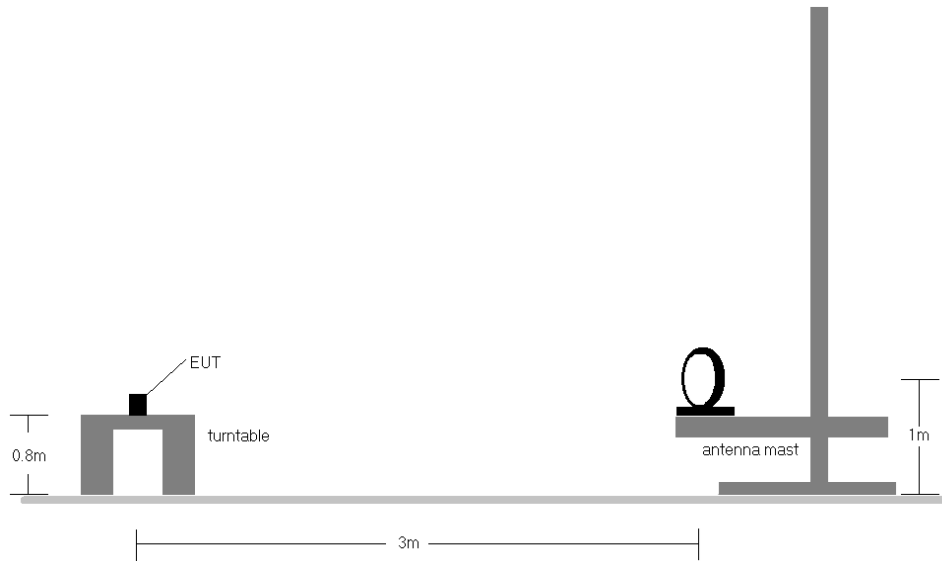


Figure 7-6. Radiated Test Setup < 30MHz

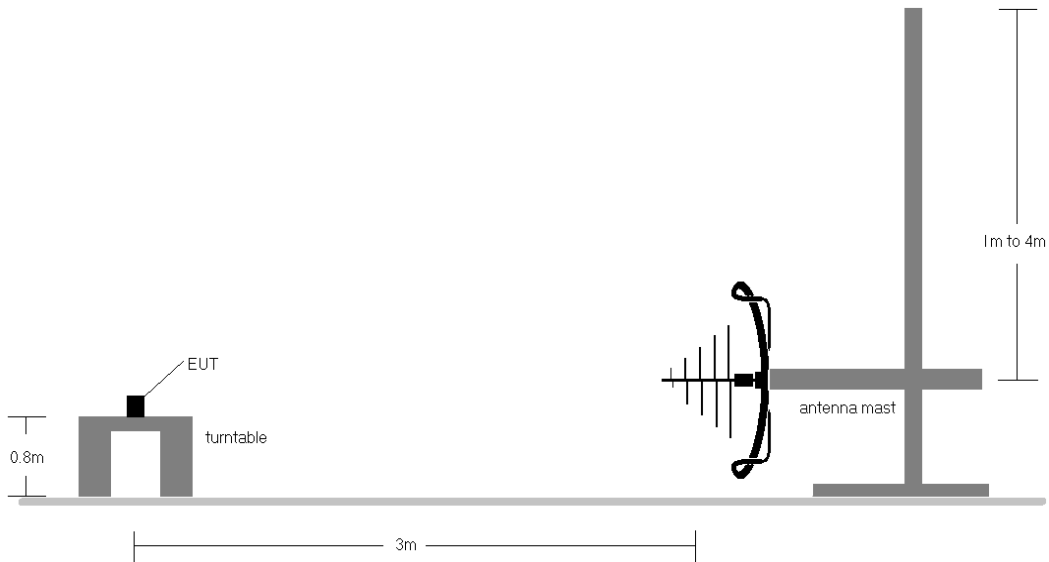


Figure 7-7. Radiated Test Setup < 1GHz

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 594 of 616 |

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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.

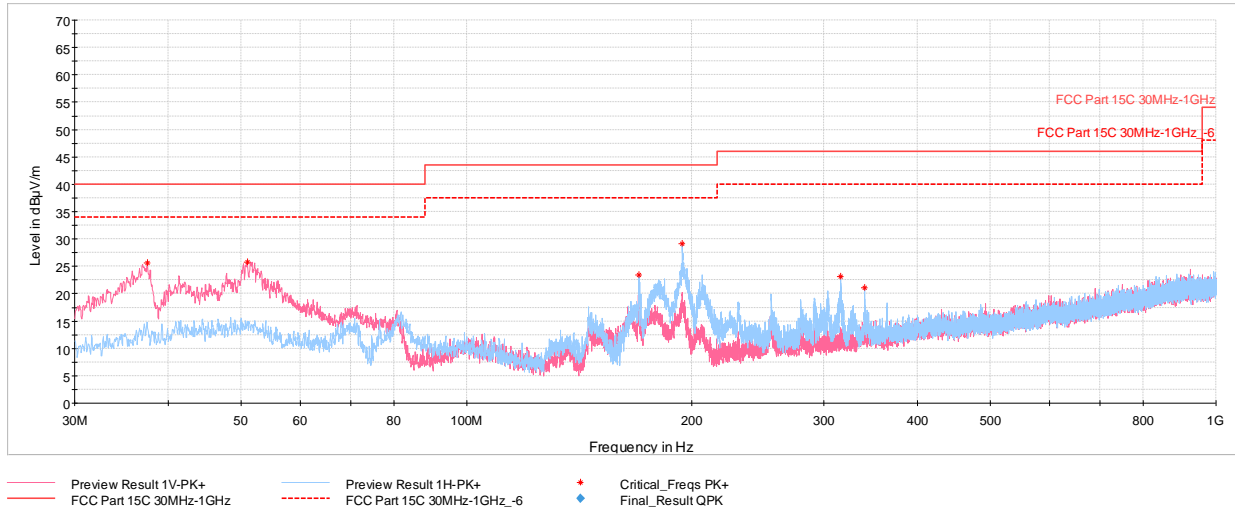
Sample Calculations

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 $_{[dB_{\mu V/m}]}$

| | | |
|---|---|---|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | | Test Dates: 1/8/2024 - 04/05/2024 |

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

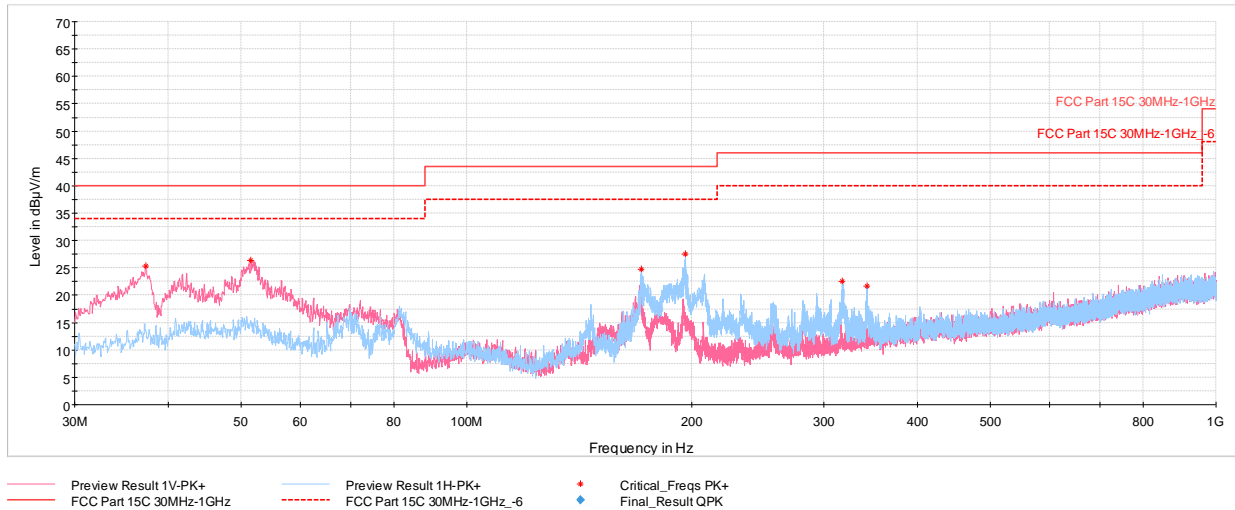


Plot 7-1828. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.1 – RU26) with AC/DC Adapter

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 37.52 | Max-Peak | V | 100 | 22 | -66.28 | -15.11 | 25.61 | 40.00 | -14.39 |
| 51.00 | Max-Peak | V | 100 | 308 | -68.06 | -13.13 | 25.81 | 40.00 | -14.19 |
| 169.87 | Max-Peak | H | 200 | 202 | -64.41 | -19.20 | 23.39 | 43.52 | -20.13 |
| 194.12 | Max-Peak | H | 100 | 236 | -60.99 | -16.91 | 29.10 | 43.52 | -14.42 |
| 315.37 | Max-Peak | H | 100 | 25 | -69.80 | -14.00 | 23.20 | 46.02 | -22.82 |
| 339.82 | Max-Peak | H | 100 | 31 | -72.99 | -12.98 | 21.03 | 46.02 | -24.99 |

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

| | | | |
|--|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 596 of 616 |



Plot 7-1829. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.1 – RU242) with AC/DC Adapter

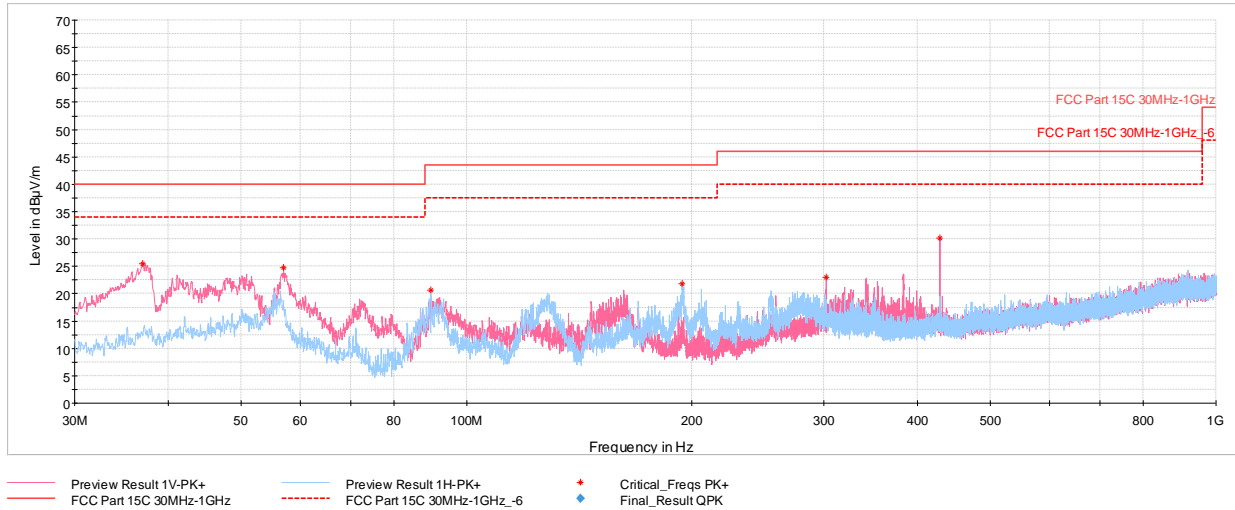
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBµV/m] | Limit [dBµV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 37.32 | Max-Peak | V | 100 | 8 | -66.52 | -15.15 | 25.33 | 40.00 | -14.67 |
| 51.58 | Max-Peak | V | 100 | 224 | -67.51 | -13.12 | 26.37 | 40.00 | -13.63 |
| 170.94 | Max-Peak | H | 200 | 222 | -63.09 | -19.23 | 24.68 | 43.52 | -18.84 |
| 195.77 | Max-Peak | H | 100 | 213 | -62.88 | -16.57 | 27.55 | 43.52 | -15.97 |
| 317.46 | Max-Peak | H | 100 | 12 | -70.59 | -13.92 | 22.49 | 46.02 | -23.53 |
| 342.49 | Max-Peak | H | 100 | 29 | -72.47 | -12.81 | 21.72 | 46.02 | -24.30 |

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

| | | | |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 597 of 616 |

7.8.2 SDM Diversity Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

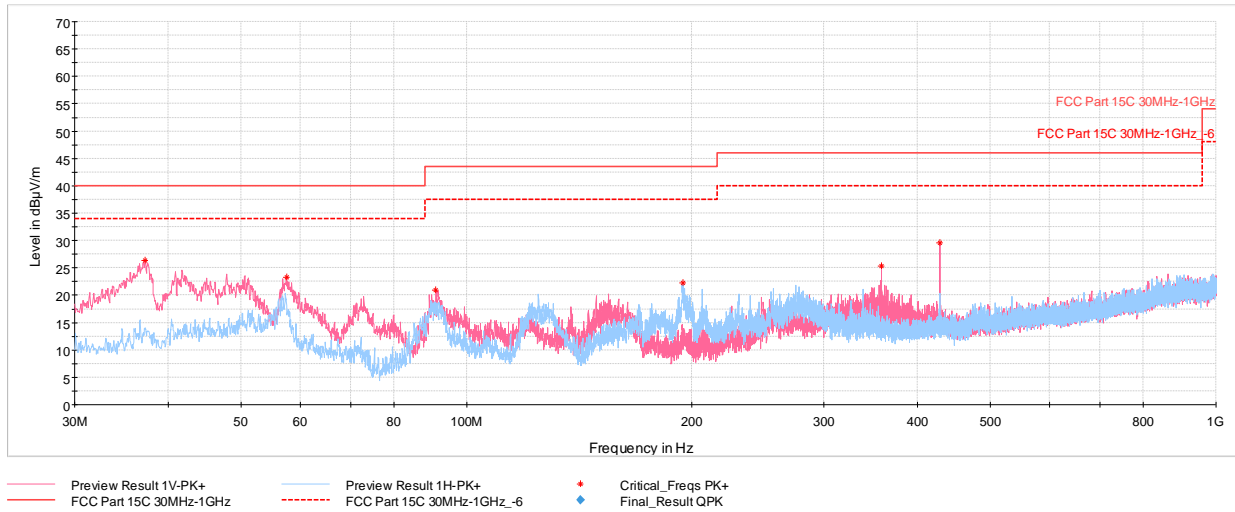


Plot 7-1830. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.1 – RU26) with Laptop

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 36.98 | Max-Peak | V | 100 | 62 | -66.28 | -15.23 | 25.49 | 40.00 | -14.51 |
| 57.01 | Max-Peak | V | 100 | 182 | -67.61 | -14.59 | 24.80 | 40.00 | -15.20 |
| 89.66 | Max-Peak | H | 200 | 188 | -67.88 | -18.44 | 20.68 | 43.52 | -22.84 |
| 193.98 | Max-Peak | H | 100 | 178 | -68.24 | -16.94 | 21.82 | 43.52 | -21.70 |
| 302.09 | Max-Peak | V | 200 | 34 | -69.54 | -14.51 | 22.95 | 46.02 | -23.07 |
| 427.85 | Max-Peak | V | 100 | 169 | -65.77 | -11.08 | 30.15 | 46.02 | -15.87 |

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

| | | | |
|--|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 598 of 616 |



Plot 7-1831. 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 37.28 | Max-Peak | V | 100 | 334 | -65.50 | -15.17 | 26.33 | 40.00 | -13.67 |
| 57.50 | Max-Peak | V | 100 | 205 | -68.96 | -14.72 | 23.32 | 40.00 | -16.68 |
| 91.01 | Max-Peak | V | 100 | 205 | -68.00 | -18.02 | 20.98 | 43.52 | -22.54 |
| 194.51 | Max-Peak | H | 100 | 175 | -67.99 | -16.81 | 22.20 | 43.52 | -21.32 |
| 357.62 | Max-Peak | V | 100 | 178 | -68.26 | -13.36 | 25.38 | 46.02 | -20.64 |
| 427.89 | Max-Peak | V | 100 | 161 | -66.27 | -11.08 | 29.65 | 46.02 | -16.37 |

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

| | | | |
|--|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 599 of 616 |

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: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 600 of 616 |

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Test Setup

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

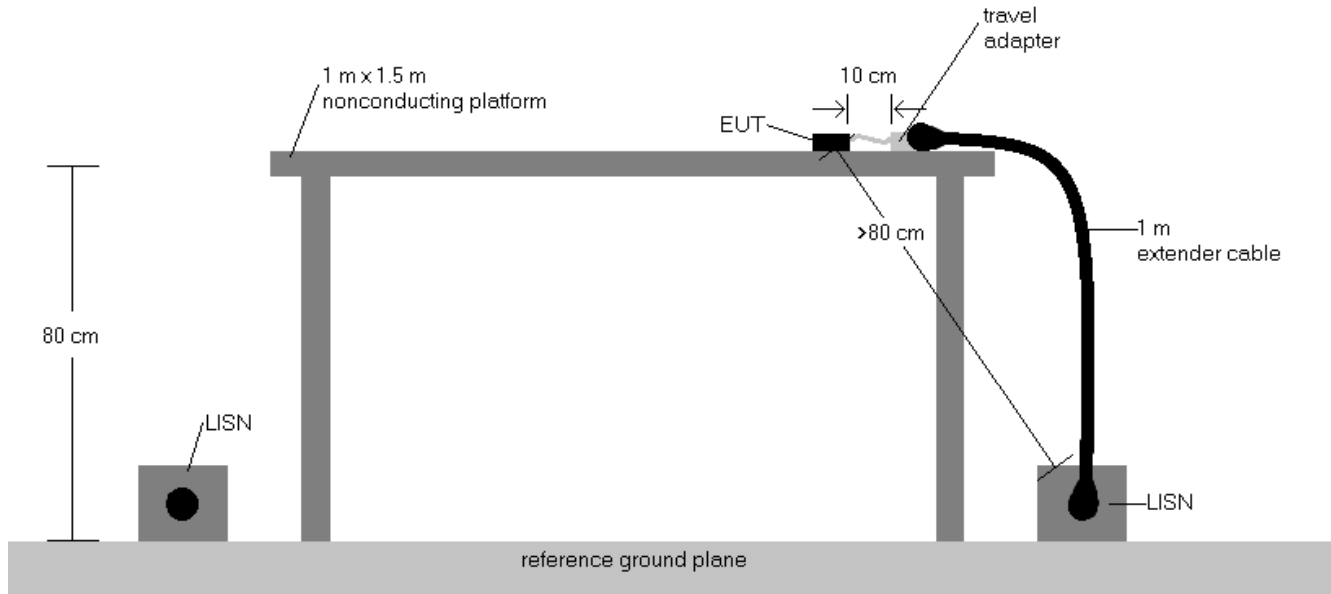


Figure 7-8. Test Instrument & Measurement Setup

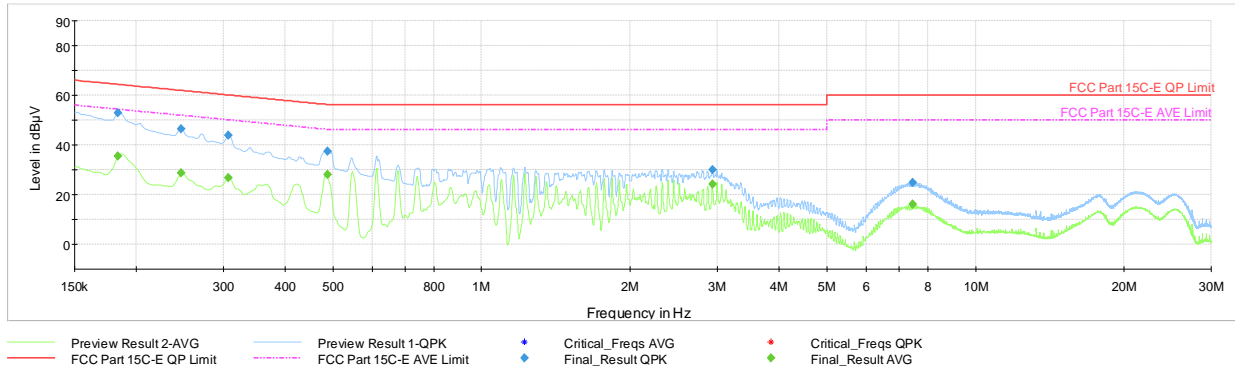
Test Notes

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: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 601 of 616 |

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7.9.1 SDM Primary Line-Conducted Emissions Measurements

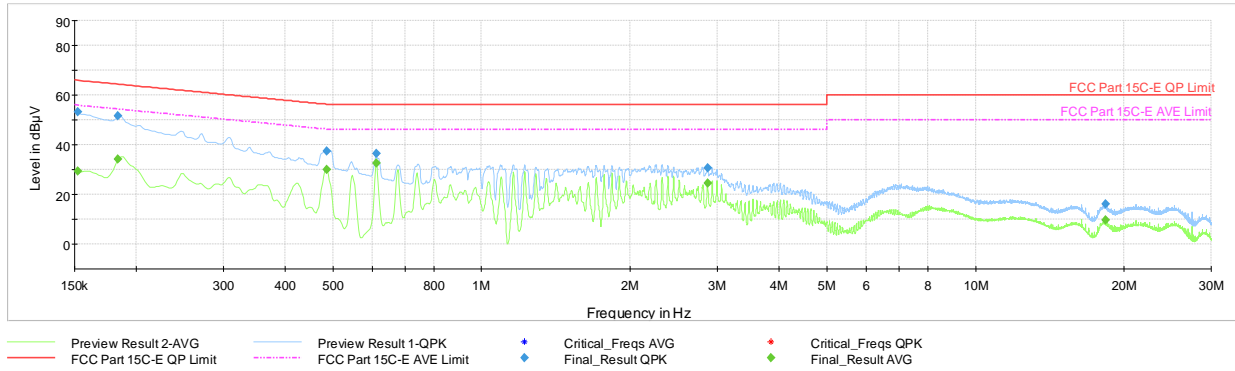


Plot 7-1832. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU26 – Ch.1 (L1) with Laptop

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.184 | FINAL | — | 35.43 | 54.31 | -18.88 | L1 | GND |
| 0.184 | FINAL | 52.88 | — | 64.31 | -11.43 | L1 | GND |
| 0.247 | FINAL | — | 28.84 | 51.87 | -23.02 | L1 | GND |
| 0.247 | FINAL | 46.34 | — | 61.87 | -15.52 | L1 | GND |
| 0.308 | FINAL | — | 26.72 | 50.04 | -23.32 | L1 | GND |
| 0.308 | FINAL | 43.77 | — | 60.04 | -16.27 | L1 | GND |
| 0.488 | FINAL | 37.54 | — | 56.21 | -18.67 | L1 | GND |
| 0.488 | FINAL | — | 28.21 | 46.21 | -18.00 | L1 | GND |
| 2.931 | FINAL | 29.91 | — | 56.00 | -26.09 | L1 | GND |
| 2.931 | FINAL | — | 24.33 | 46.00 | -21.67 | L1 | GND |
| 7.451 | FINAL | — | 16.15 | 50.00 | -33.85 | L1 | GND |
| 7.451 | FINAL | 24.80 | — | 60.00 | -35.20 | L1 | GND |

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

| | | | |
|--|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 602 of 616 |

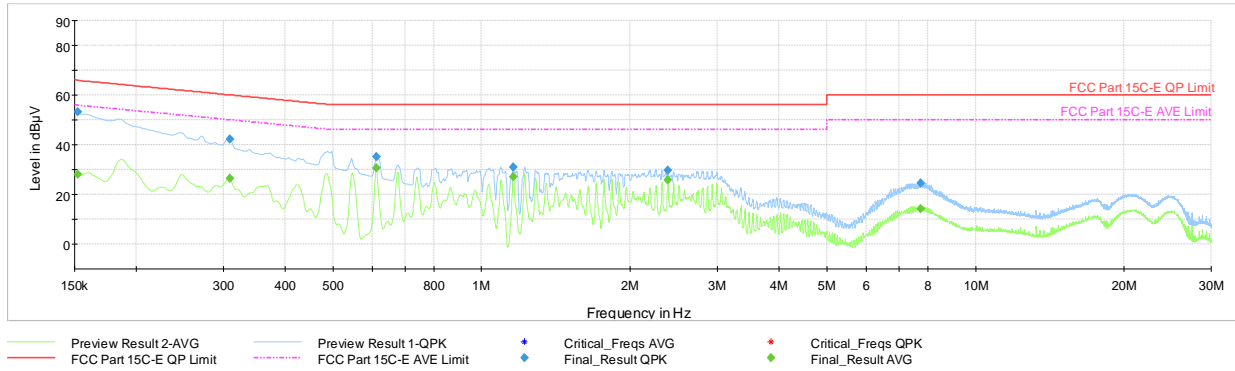


Plot 7-1833. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU26 – Ch.1 (N) with Laptop

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.152 | FINAL | — | 29.48 | 55.88 | -26.40 | N | GND |
| 0.152 | FINAL | 53.13 | — | 65.88 | -12.75 | N | GND |
| 0.184 | FINAL | — | 34.19 | 54.31 | -20.12 | N | GND |
| 0.184 | FINAL | 51.53 | — | 64.31 | -12.78 | N | GND |
| 0.485 | FINAL | — | 29.92 | 46.25 | -16.33 | N | GND |
| 0.485 | FINAL | 37.58 | — | 56.25 | -18.67 | N | GND |
| 0.611 | FINAL | 36.43 | — | 56.00 | -19.57 | N | GND |
| 0.611 | FINAL | — | 32.69 | 46.00 | -13.31 | N | GND |
| 2.868 | FINAL | 30.74 | — | 56.00 | -25.26 | N | GND |
| 2.868 | FINAL | — | 24.65 | 46.00 | -21.35 | N | GND |
| 18.366 | FINAL | — | 9.70 | 50.00 | -40.30 | N | GND |
| 18.366 | FINAL | 16.20 | — | 60.00 | -43.80 | N | GND |

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

| | | | |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 603 of 616 |

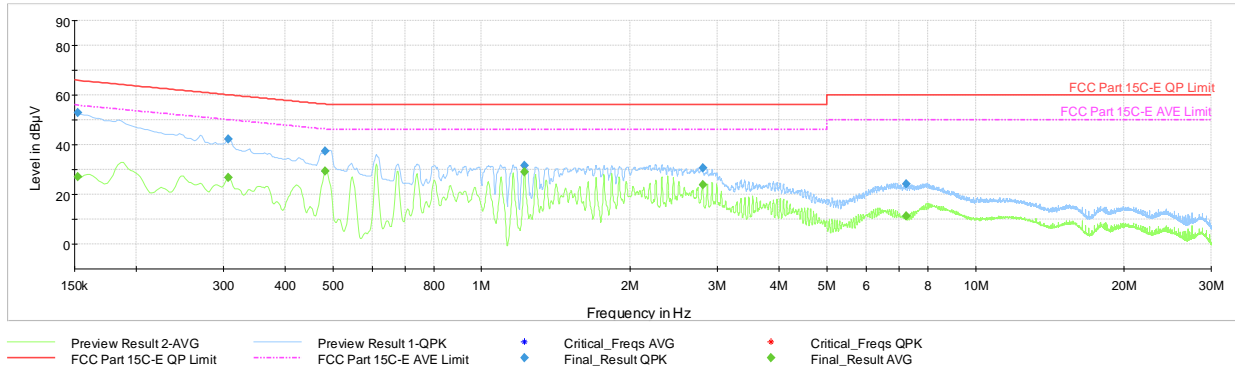


Plot 7-1834. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU242 – Ch.1 (L1) with Laptop

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.152 | FINAL | — | 28.05 | 55.88 | -27.83 | L1 | GND |
| 0.152 | FINAL | 53.16 | — | 65.88 | -12.72 | L1 | GND |
| 0.310 | FINAL | — | 26.54 | 49.98 | -23.44 | L1 | GND |
| 0.310 | FINAL | 42.35 | — | 59.98 | -17.63 | L1 | GND |
| 0.611 | FINAL | 35.30 | — | 56.00 | -20.70 | L1 | GND |
| 0.611 | FINAL | — | 30.54 | 46.00 | -15.46 | L1 | GND |
| 1.158 | FINAL | 30.81 | — | 56.00 | -25.19 | L1 | GND |
| 1.158 | FINAL | — | 27.22 | 46.00 | -18.78 | L1 | GND |
| 2.382 | FINAL | — | 25.68 | 46.00 | -20.32 | L1 | GND |
| 2.384 | FINAL | 29.63 | — | 56.00 | -26.37 | L1 | GND |
| 7.753 | FINAL | — | 14.25 | 50.00 | -35.75 | L1 | GND |
| 7.753 | FINAL | 24.54 | — | 60.00 | -35.46 | L1 | GND |

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

| | | | |
|--|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 604 of 616 |



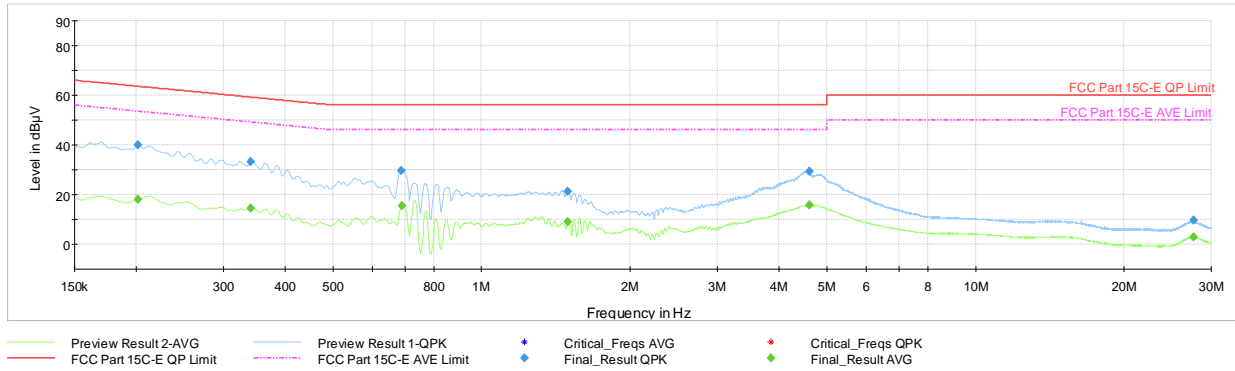
Plot 7-1835. AC Line Conducted Plot with SDM Primary 11ax UNII Band 5 – RU242 – Ch.1 (N) with Laptop

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.152 | FINAL | — | 26.99 | 55.88 | -28.89 | N | GND |
| 0.152 | FINAL | 52.99 | — | 65.88 | -12.88 | N | GND |
| 0.308 | FINAL | — | 26.92 | 50.04 | -23.11 | N | GND |
| 0.308 | FINAL | 42.41 | — | 60.04 | -17.63 | N | GND |
| 0.483 | FINAL | — | 29.39 | 46.29 | -16.89 | N | GND |
| 0.483 | FINAL | 37.51 | — | 56.29 | -18.77 | N | GND |
| 1.223 | FINAL | 31.75 | — | 56.00 | -24.25 | N | GND |
| 1.223 | FINAL | — | 28.94 | 46.00 | -17.06 | N | GND |
| 2.803 | FINAL | 30.49 | — | 56.00 | -25.51 | N | GND |
| 2.803 | FINAL | — | 23.74 | 46.00 | -22.26 | N | GND |
| 7.244 | FINAL | — | 11.40 | 50.00 | -38.60 | N | GND |
| 7.244 | FINAL | 24.11 | — | 60.00 | -35.89 | N | GND |

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

| | | | |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 605 of 616 |

7.9.2 SDM Diversity Line-Conducted Emissions Measurements

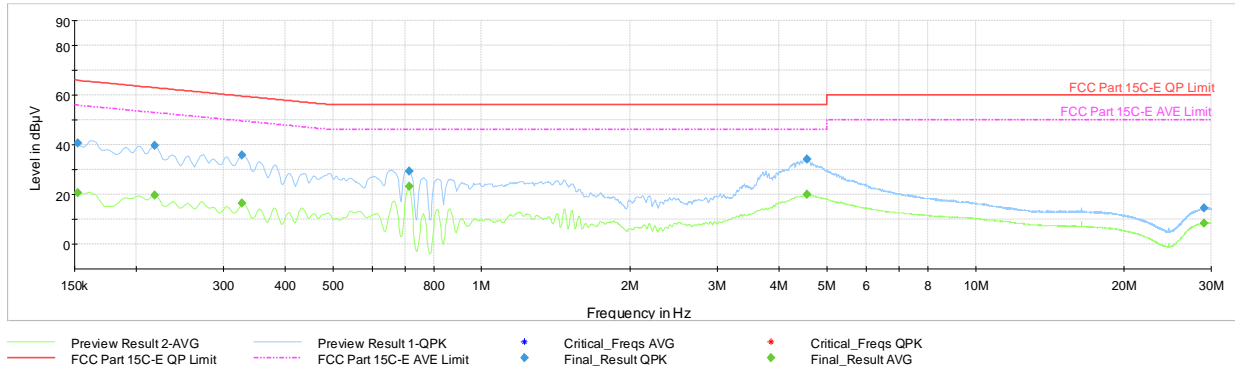


Plot 7-1836. AC Line Conducted Plot with SDM Diversity 11ax UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC Adapter

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.202 | FINAL | — | 18.05 | 53.54 | -35.49 | L1 | GND |
| 0.202 | FINAL | 40.02 | — | 63.54 | -23.51 | L1 | GND |
| 0.341 | FINAL | — | 14.65 | 49.17 | -34.52 | L1 | GND |
| 0.341 | FINAL | 33.17 | — | 59.17 | -26.01 | L1 | GND |
| 0.688 | FINAL | 29.77 | — | 56.00 | -26.23 | L1 | GND |
| 0.690 | FINAL | — | 15.32 | 46.00 | -30.68 | L1 | GND |
| 1.493 | FINAL | 21.41 | — | 56.00 | -34.59 | L1 | GND |
| 1.493 | FINAL | — | 9.05 | 46.00 | -36.95 | L1 | GND |
| 4.603 | FINAL | 29.36 | — | 56.00 | -26.64 | L1 | GND |
| 4.603 | FINAL | — | 15.68 | 46.00 | -30.32 | L1 | GND |
| 27.674 | FINAL | — | 3.01 | 50.00 | -46.99 | L1 | GND |
| 27.674 | FINAL | 9.69 | — | 60.00 | -50.31 | 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: BCGA2836 IC: 579C-A2836 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 606 of 616 |

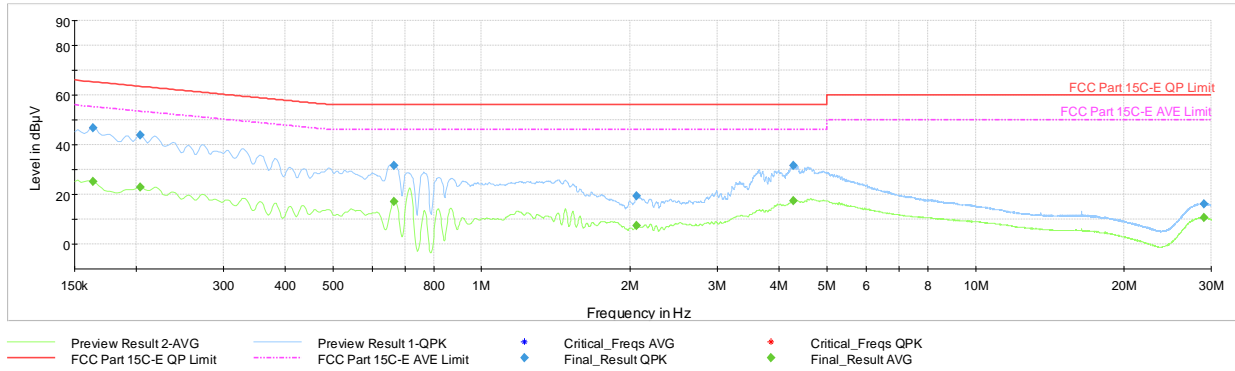


Plot 7-1837. AC Line Conducted Plot with SDM Diversity 11ax UNII Band 5 – RU26 – Ch.1 (N) with AC/DC Adapter

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.152 | FINAL | — | 20.80 | 55.88 | -35.08 | N | GND |
| 0.152 | FINAL | 40.58 | — | 65.88 | -25.30 | N | GND |
| 0.218 | FINAL | — | 19.80 | 52.91 | -33.11 | N | GND |
| 0.218 | FINAL | 39.65 | — | 62.91 | -23.26 | N | GND |
| 0.328 | FINAL | — | 16.29 | 49.51 | -33.22 | N | GND |
| 0.328 | FINAL | 35.87 | — | 59.51 | -23.63 | N | GND |
| 0.713 | FINAL | 29.36 | — | 56.00 | -26.64 | N | GND |
| 0.713 | FINAL | — | 23.15 | 46.00 | -22.85 | N | GND |
| 4.553 | FINAL | 34.31 | — | 56.00 | -21.69 | N | GND |
| 4.553 | FINAL | — | 19.86 | 46.00 | -26.14 | N | GND |
| 28.973 | FINAL | — | 8.53 | 50.00 | -41.47 | N | GND |
| 28.973 | FINAL | 14.38 | — | 60.00 | -45.62 | 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: BCGA2836 IC: 579C-A2836 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 607 of 616 |

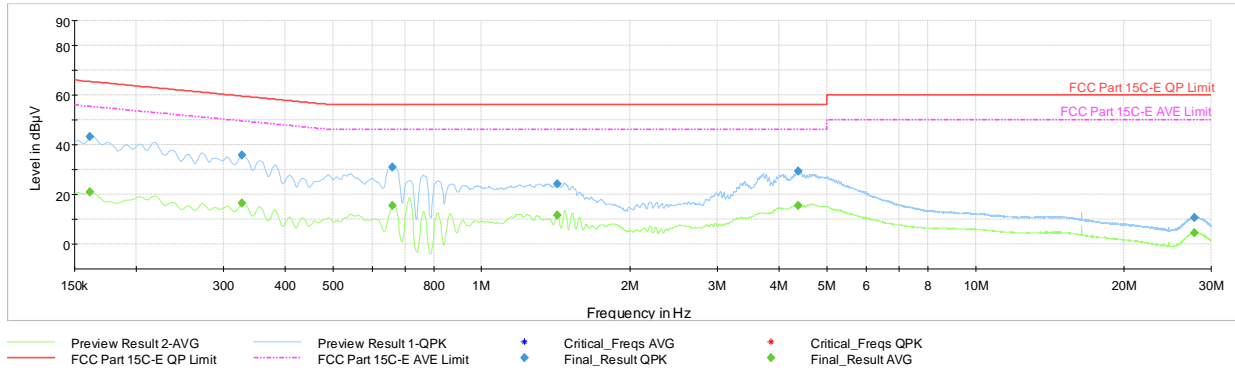


Plot 7-1838. AC Line Conducted Plot with SDM Diversity 11x UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC Adapter

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.164 | FINAL | — | 25.12 | 55.28 | -30.17 | L1 | GND |
| 0.164 | FINAL | 46.84 | — | 65.28 | -18.44 | L1 | GND |
| 0.204 | FINAL | — | 23.01 | 53.45 | -30.44 | L1 | GND |
| 0.204 | FINAL | 43.88 | — | 63.45 | -19.57 | L1 | GND |
| 0.665 | FINAL | — | 17.17 | 46.00 | -28.83 | L1 | GND |
| 0.665 | FINAL | 31.76 | — | 56.00 | -24.24 | L1 | GND |
| 2.063 | FINAL | 19.38 | — | 56.00 | -36.62 | L1 | GND |
| 2.063 | FINAL | — | 7.53 | 46.00 | -38.47 | L1 | GND |
| 4.274 | FINAL | 31.45 | — | 56.00 | -24.55 | L1 | GND |
| 4.274 | FINAL | — | 17.43 | 46.00 | -28.57 | L1 | GND |
| 28.993 | FINAL | — | 10.58 | 50.00 | -39.42 | L1 | GND |
| 28.993 | FINAL | 16.24 | — | 60.00 | -43.76 | 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: BCGA2836 IC: 579C-A2836 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 608 of 616 |



Plot 7-1839. 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 |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.161 | FINAL | — | 21.09 | 55.40 | -34.31 | N | GND |
| 0.161 | FINAL | 43.1 | — | 65.40 | -22.33 | N | GND |
| 0.328 | FINAL | — | 16.32 | 49.51 | -33.19 | N | GND |
| 0.328 | FINAL | 35.8 | — | 59.51 | -23.74 | N | GND |
| 0.661 | FINAL | — | 15.50 | 46.00 | -30.50 | N | GND |
| 0.661 | FINAL | 31.1 | — | 56.00 | -24.90 | N | GND |
| 1.424 | FINAL | 24.3 | — | 56.00 | -31.66 | N | GND |
| 1.424 | FINAL | — | 11.59 | 46.00 | -34.41 | N | GND |
| 4.378 | FINAL | 29.3 | — | 56.00 | -26.75 | N | GND |
| 4.378 | FINAL | — | 15.62 | 46.00 | -30.38 | N | GND |
| 27.755 | FINAL | — | 4.43 | 50.00 | -45.57 | N | GND |
| 27.755 | FINAL | 10.5 | — | 60.00 | -49.49 | 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: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 609 of 616 |

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.

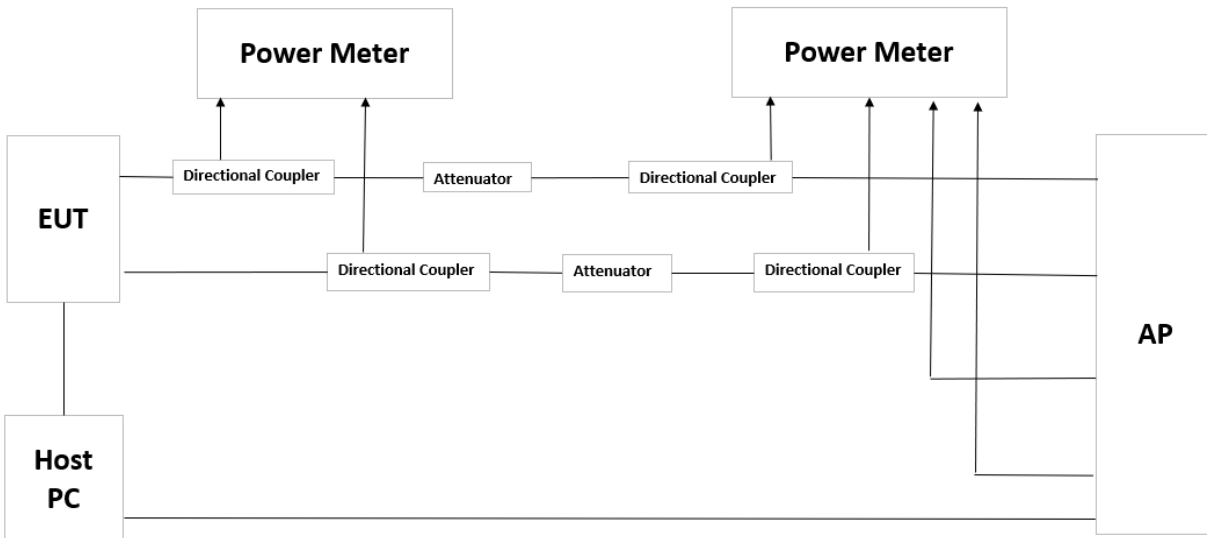


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

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

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 610 of 616 |

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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 WF5b | Antenna WF8 | Summed | | |
| 5 | 5975 | 13.73 | 6.86 | 14.54 | 1.7 | 16.24 |

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

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 611 of 616 |

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 WF5b | Antenna WF8 | Summed | | |
| 5 | 5975 | 11.51 | 6.61 | 12.73 | 1.7 | 14.4 |

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

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 612 of 616 |

V 10.5 12/15/2021

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) |
|---------|---------|-----------------|----------------------|--------------------|------------------------|
| WF5b | 5 | 5975 | 9.8 | 1.7 | 11.50 |
| WF8 | 5 | 5975 | 6.74 | 1.7 | 8.44 |

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

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 613 of 616 |

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.

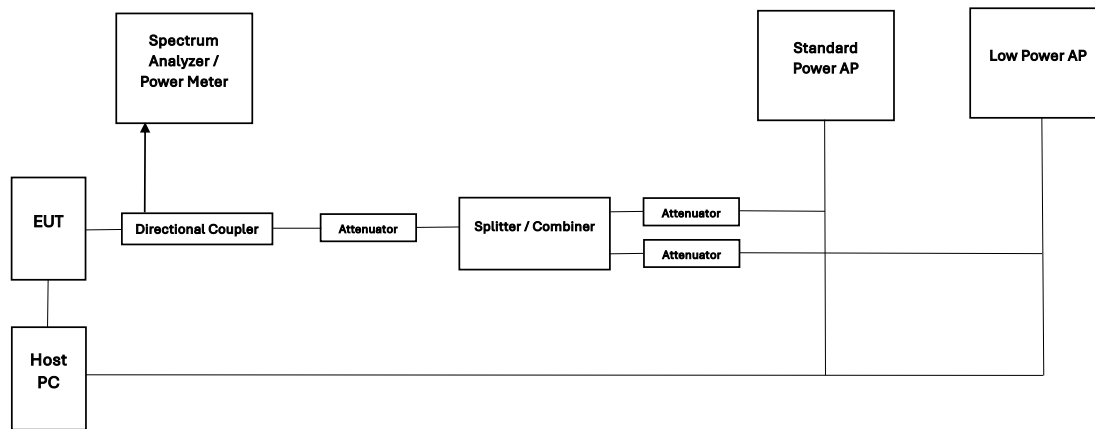


Figure 10: Test Instrument & Measurement Setup

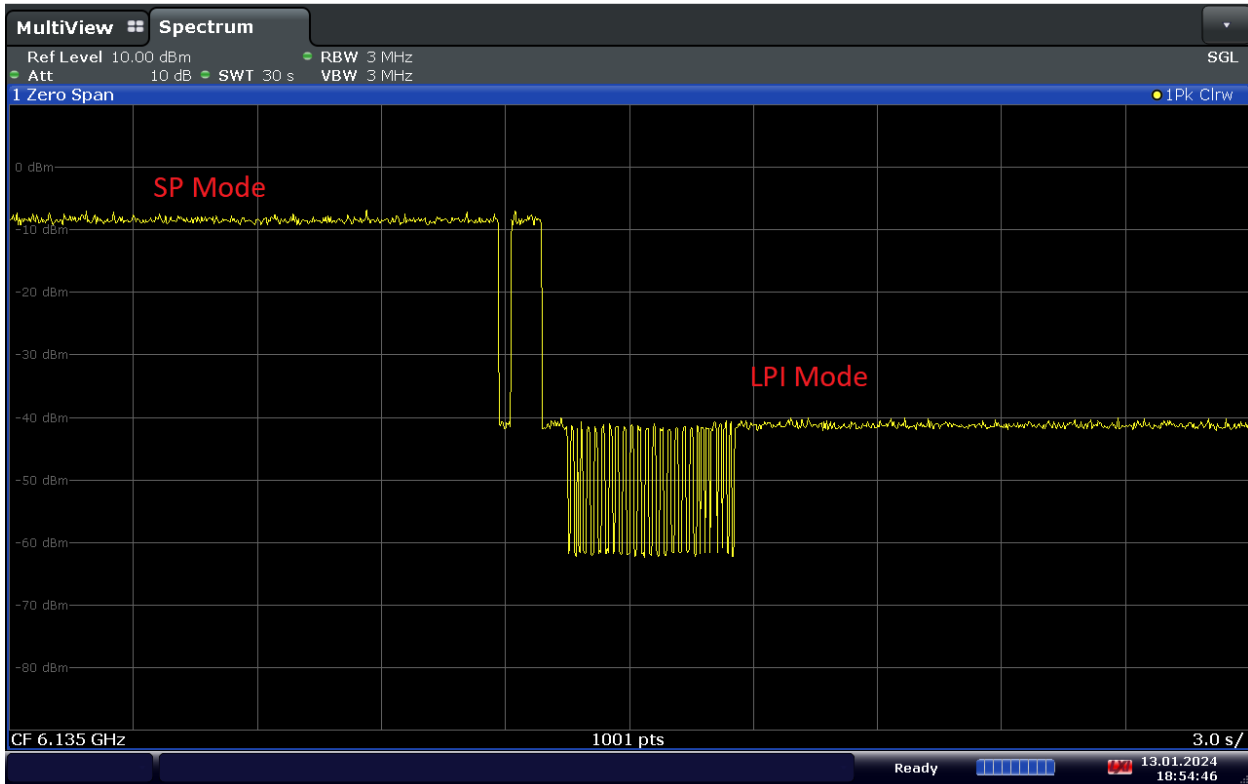
Test Notes

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 Antenna WF5b was measured.

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 614 of 616 |

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Element



18:54:47 13.01.2024

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) |
|---------|---------|-----------------|----------------------|--------------------|------------------------|
| WF5b | 37 | 6135 | 13.95 | 1.7 | 15.65 |

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) |
|---------|---------|-----------------|----------------------|--------------------|------------------------|
| WF5b | 37 | 6135 | 5.45 | 1.7 | 7.15 |

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

| | | | |
|--|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2836 IC: 579C-A2836 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device | Page 615 of 616 |

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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: BCGA2836** and **IC: 579C-A2836** 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.

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|---|---|--|
| FCC ID: BCGA2836 IC: 579C-A2836 |  MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270067-14-R1.BCG | Test Dates: 1/8/2024 - 04/05/2024 | EUT Type: Tablet Device |
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