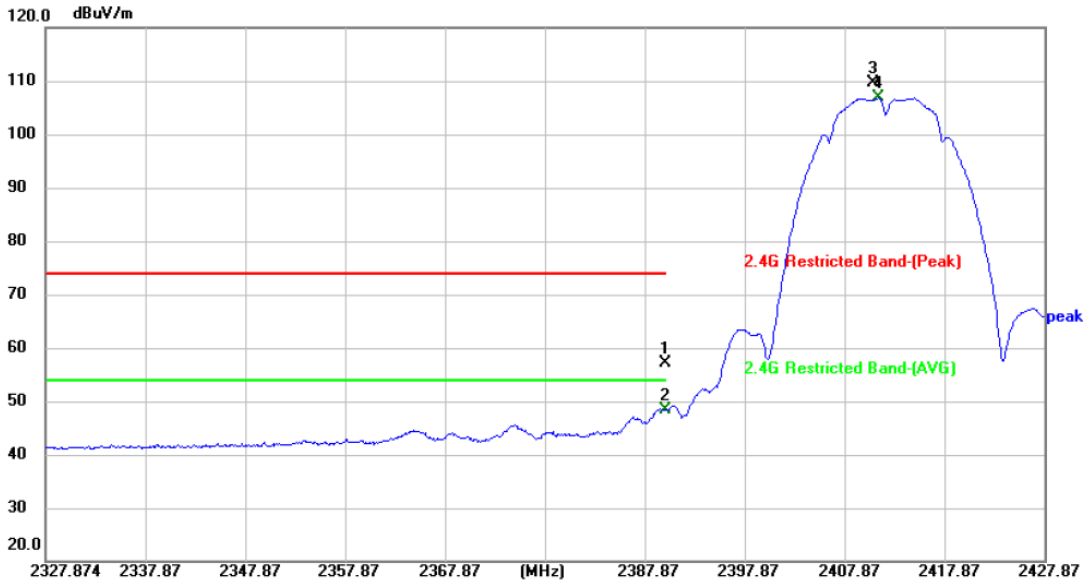
## ----Radiation Test

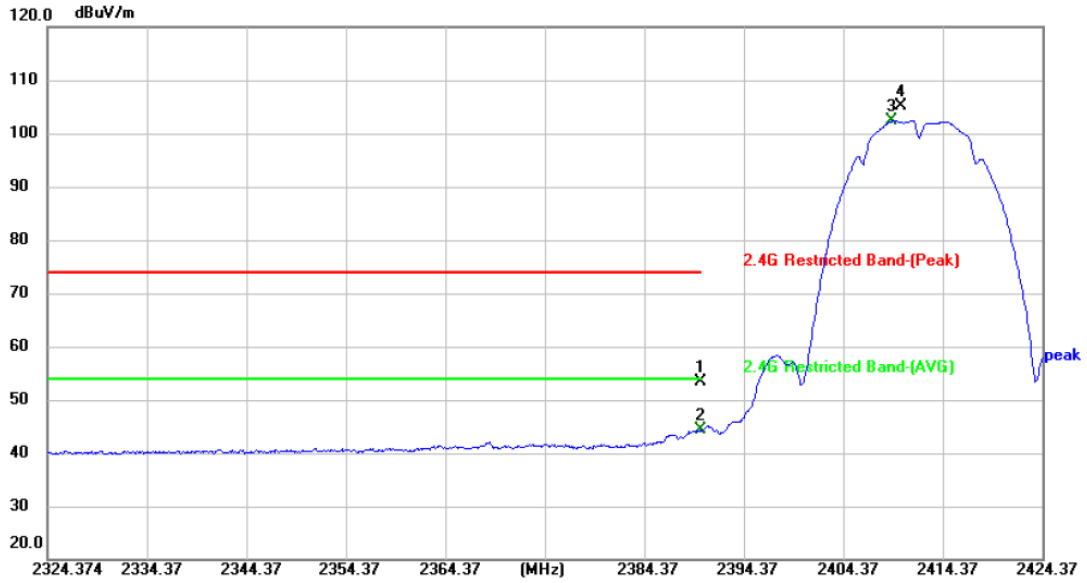
| | | | |
|---|---|---|---|
| **Temperature:** | 23.5℃ | **Relative Humidity:** | 45% |
| **Test Voltage:** | AC 120V/60Hz | | |
| **Ant. Pol.** | Horizontal | | |
| **Test Mode:** | TX b Mode 2412MHz Ant.1-SISO | | |
| **Remark:** | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 52.44 | 4.80 | 57.24 | 74.00 | -16.76 | peak | P |
| 2 * | 2390.000 | 43.53 | 4.80 | 48.33 | 54.00 | -5.67 | AVG | P |
| 3 | 2410.774 | 104.82 | 4.86 | 109.68 | | | peak | |
| 4 | 2411.274 | 101.94 | 4.86 | 106.80 | | | AVG | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

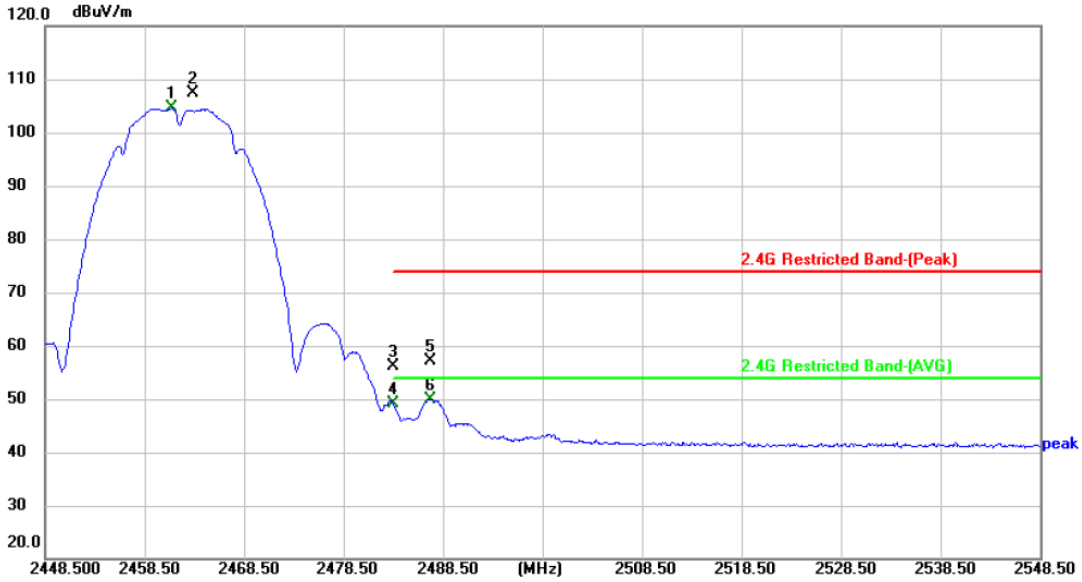
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX b Mode 2412MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 48.66 | 4.80 | 53.46 | 74.00 | -20.54 | peak | P |
| 2 * | 2390.000 | 39.55 | 4.80 | 44.35 | 54.00 | -9.65 | AVG | P |
| 3 | 2409.274 | 97.54 | 4.85 | 102.39 | | | AVG | |
| 4 | 2410.174 | 100.32 | 4.85 | 105.17 | | | peak | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

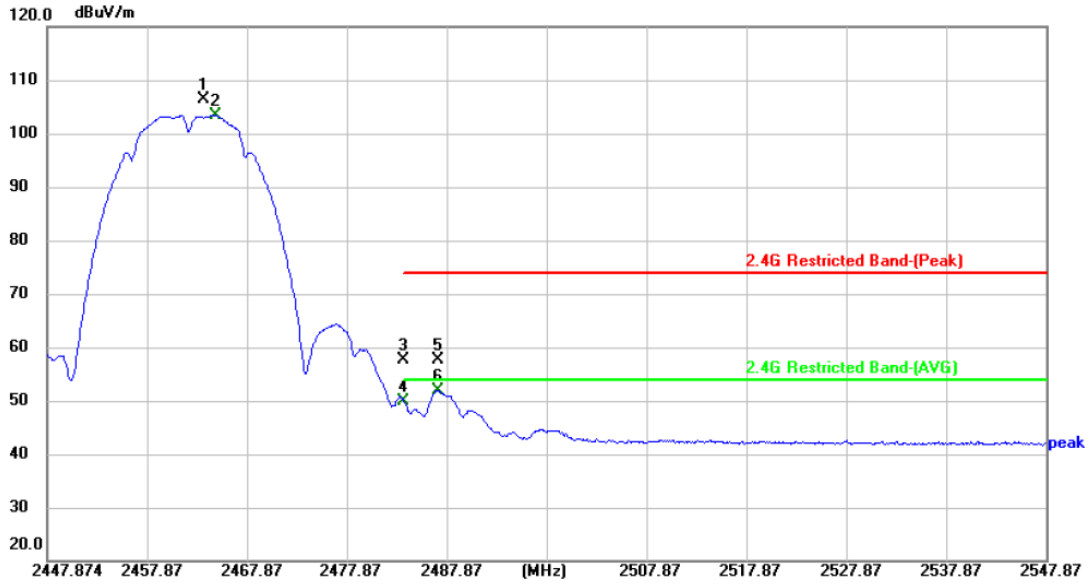
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX b Mode 2462MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2461.200 | 99.52 | 5.06 | 104.58 | | | AVG | |
| 2 | 2463.400 | 102.27 | 5.06 | 107.33 | | | peak | |
| 3 | 2483.500 | 51.09 | 5.15 | 56.24 | 74.00 | -17.76 | peak | P |
| 4 | 2483.500 | 44.10 | 5.15 | 49.25 | 54.00 | -4.75 | AVG | P |
| 5 | 2487.200 | 52.01 | 5.16 | 57.17 | 74.00 | -16.83 | peak | P |
| 6 * | 2487.200 | 44.81 | 5.16 | 49.97 | 54.00 | -4.03 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

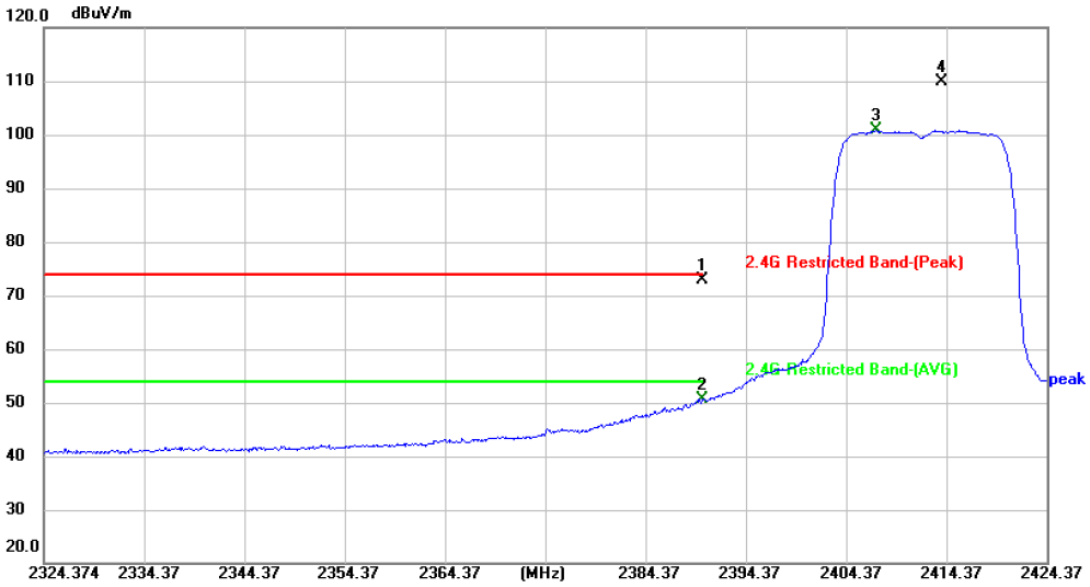
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX b Mode 2462MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2463.474 | 101.20 | 5.06 | 106.26 | | | peak | |
| 2 | 2464.674 | 98.34 | 5.07 | 103.41 | | | AVG | |
| 3 | 2483.500 | 52.48 | 5.15 | 57.63 | 74.00 | -16.37 | peak | P |
| 4 | 2483.500 | 44.74 | 5.15 | 49.89 | 54.00 | -4.11 | AVG | P |
| 5 | 2486.974 | 52.54 | 5.16 | 57.70 | 74.00 | -16.30 | peak | P |
| 6 * | 2486.974 | 46.73 | 5.16 | 51.89 | 54.00 | -2.11 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

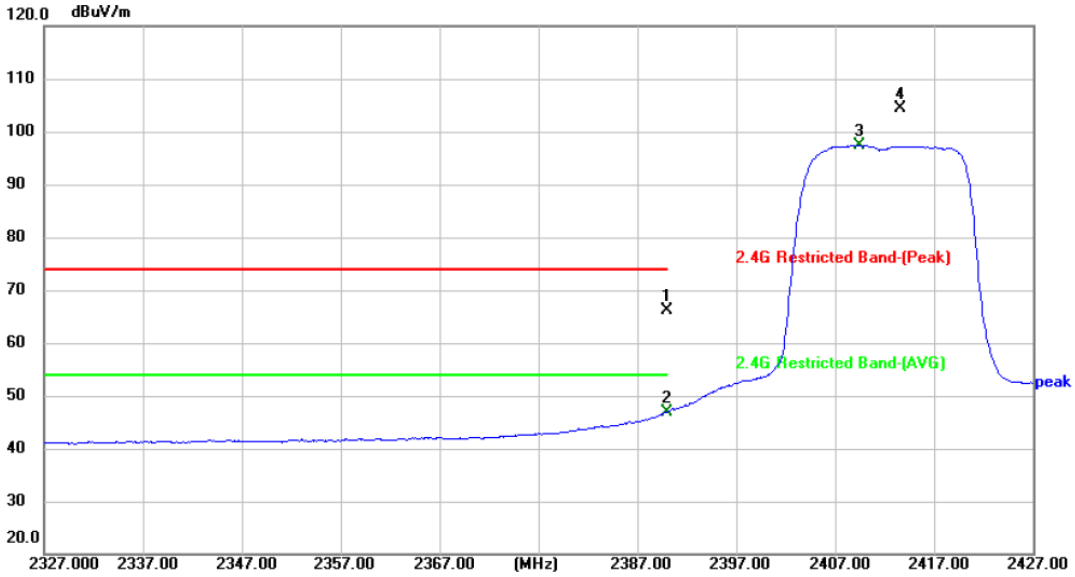
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX g Mode 2412MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 * | 2390.000 | 68.15 | 4.80 | 72.95 | 74.00 | -1.05 | peak | P |
| 2 | 2390.000 | 45.75 | 4.80 | 50.55 | 54.00 | -3.45 | AVG | P |
| 3 | 2407.374 | 95.97 | 4.85 | 100.82 | | | AVG | |
| 4 | 2413.874 | 105.09 | 4.87 | 109.96 | | | peak | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

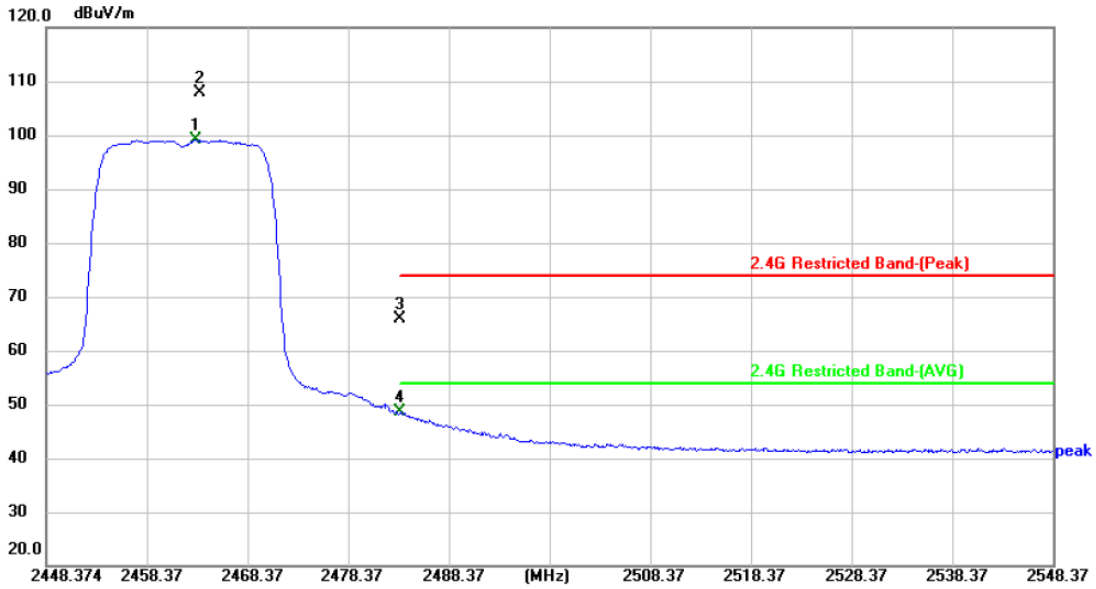
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX g Mode 2412MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 61.41 | 4.80 | 66.21 | 74.00 | -7.79 | peak | P |
| 2 * | 2390.000 | 42.13 | 4.80 | 46.93 | 54.00 | -7.07 | AVG | P |
| 3 | 2409.500 | 92.51 | 4.85 | 97.36 | | | AVG | |
| 4 | 2413.600 | 99.41 | 4.87 | 104.28 | | | peak | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

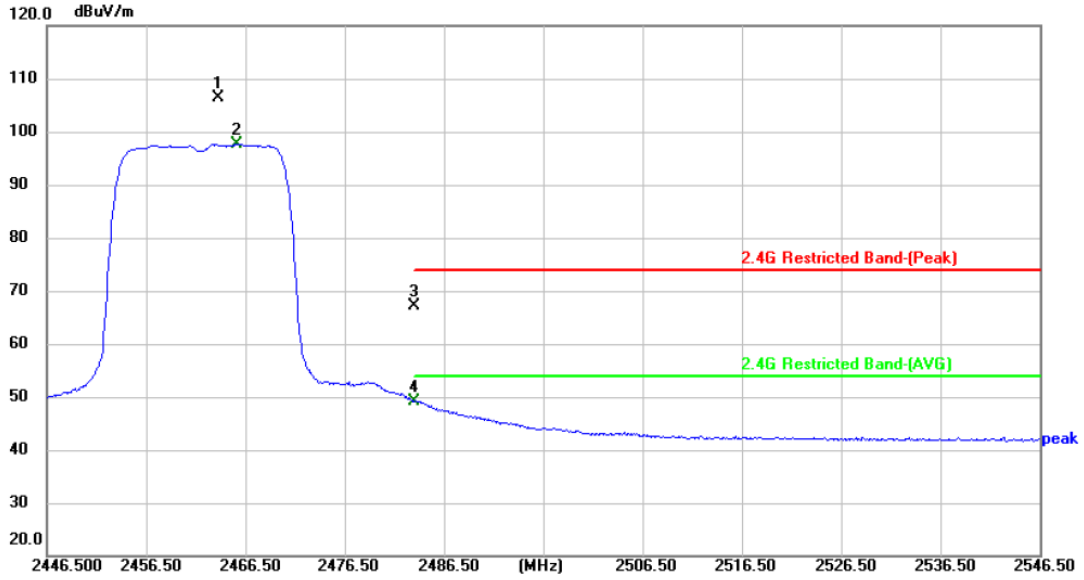
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX g Mode 2462MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2463.174 | 94.06 | 5.06 | 99.12 | | | AVG | |
| 2 | 2463.674 | 102.80 | 5.06 | 107.86 | | | peak | |
| 3 | 2483.500 | 60.79 | 5.15 | 65.94 | 74.00 | -8.06 | peak | P |
| 4 * | 2483.500 | 43.43 | 5.15 | 48.58 | 54.00 | -5.42 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

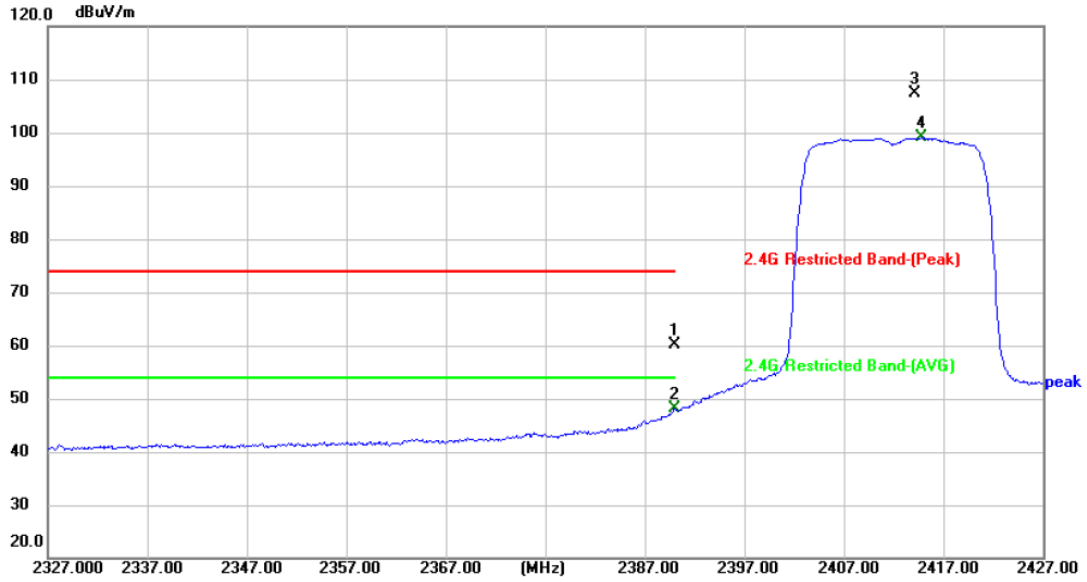
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX g Mode 2462MHz Ant.1-SISO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2463.800 | 101.38 | 5.06 | 106.44 | | | peak | |
| 2 | 2465.600 | 92.64 | 5.08 | 97.72 | | | AVG | |
| 3 | 2483.500 | 62.08 | 5.15 | 67.23 | 74.00 | -6.77 | peak | P |
| 4 * | 2483.500 | 44.03 | 5.15 | 49.18 | 54.00 | -4.82 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

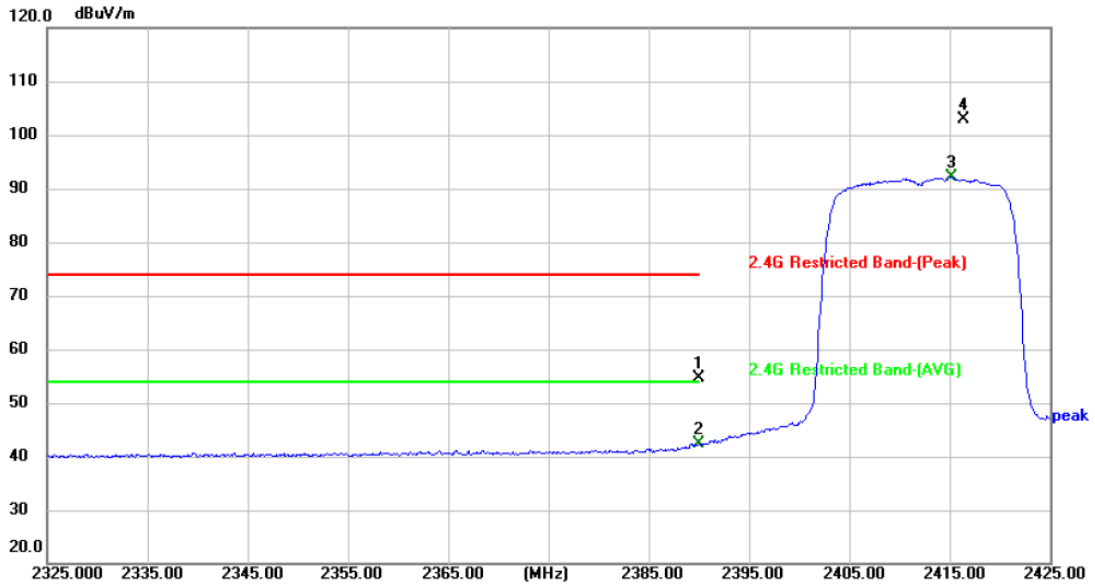
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX n(HT20) Mode 2412MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 55.40 | 4.80 | 60.20 | 74.00 | -13.80 | peak | P |
| 2 * | 2390.000 | 43.37 | 4.80 | 48.17 | 54.00 | -5.83 | AVG | P |
| 3 | 2414.100 | 102.45 | 4.87 | 107.32 | | | peak | |
| 4 | 2414.800 | 94.15 | 4.88 | 99.03 | | | AVG | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

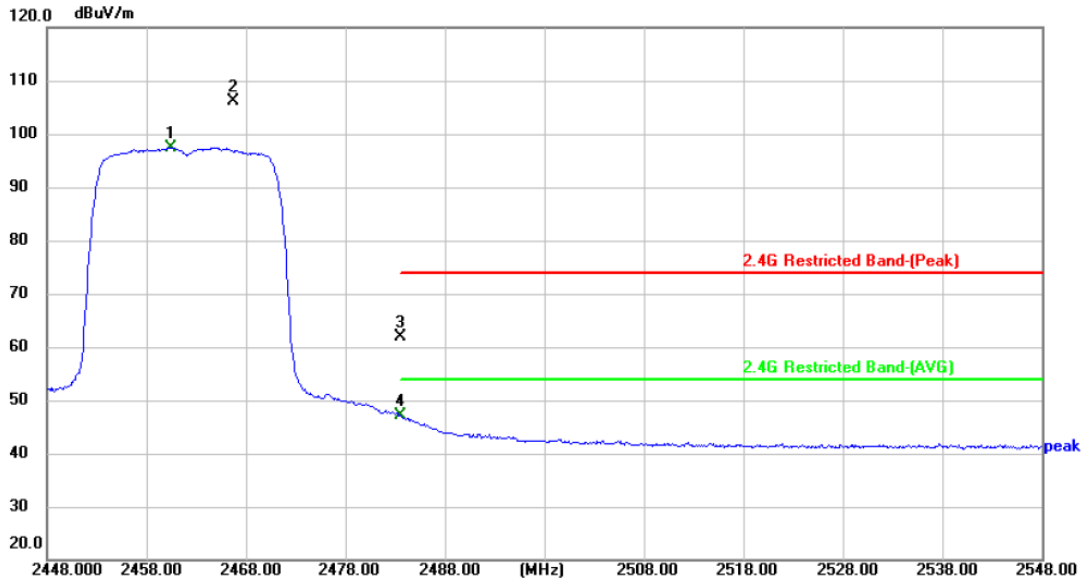
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX n(HT20) Mode 2412MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 49.73 | 4.80 | 54.53 | 74.00 | -19.47 | peak | P |
| 2 * | 2390.000 | 37.48 | 4.80 | 42.28 | 54.00 | -11.72 | AVG | P |
| 3 | 2415.200 | 87.32 | 4.88 | 92.20 | | | AVG | |
| 4 | 2416.400 | 97.90 | 4.88 | 102.78 | | | peak | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

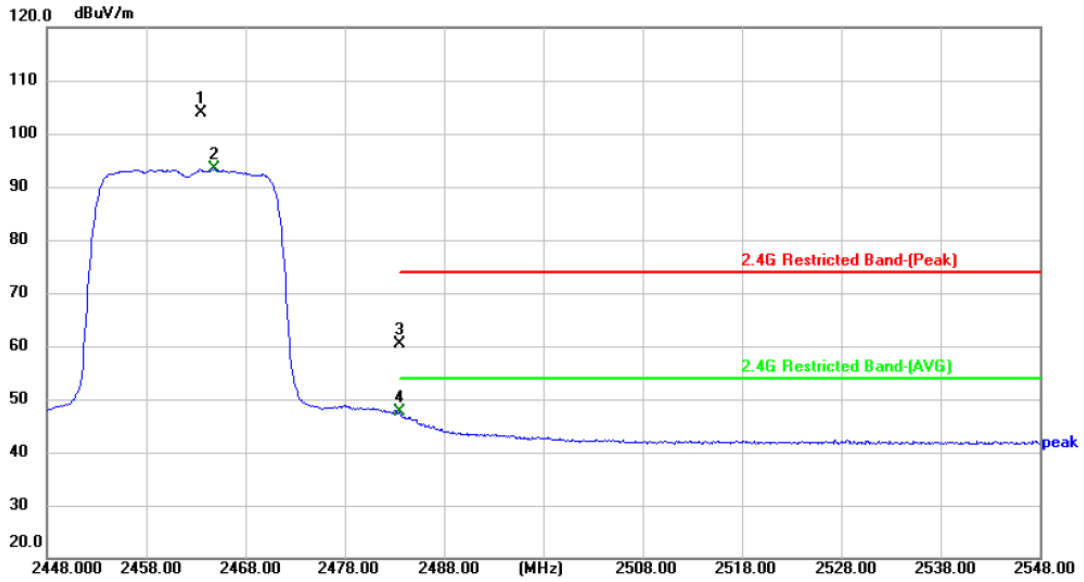
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX n(HT20) Mode 2462MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2460.400 | 92.39 | 5.05 | 97.44 | | | AVG | |
| 2 | 2466.700 | 101.03 | 5.08 | 106.11 | | | peak | |
| 3 | 2483.500 | 56.72 | 5.15 | 61.87 | 74.00 | -12.13 | peak | P |
| 4 * | 2483.500 | 41.96 | 5.15 | 47.11 | 54.00 | -6.89 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

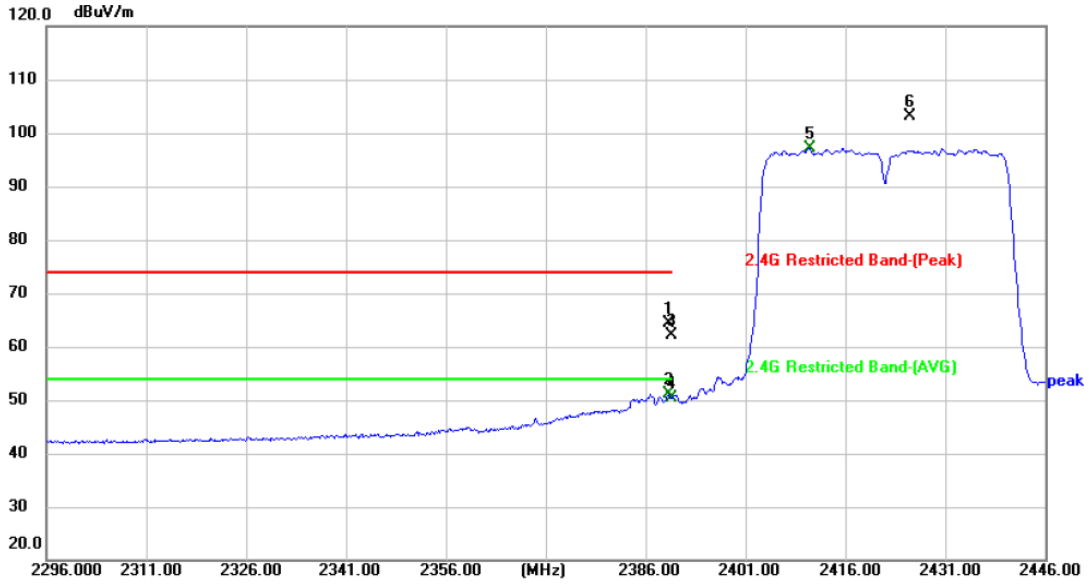
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX n(HT20) Mode 2462MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2463.500 | 98.87 | 5.06 | 103.93 | | | peak | |
| 2 | 2464.800 | 88.36 | 5.07 | 93.43 | | | AVG | |
| 3 | 2483.500 | 55.16 | 5.15 | 60.31 | 74.00 | -13.69 | peak | P |
| 4 * | 2483.500 | 42.41 | 5.15 | 47.56 | 54.00 | -6.44 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

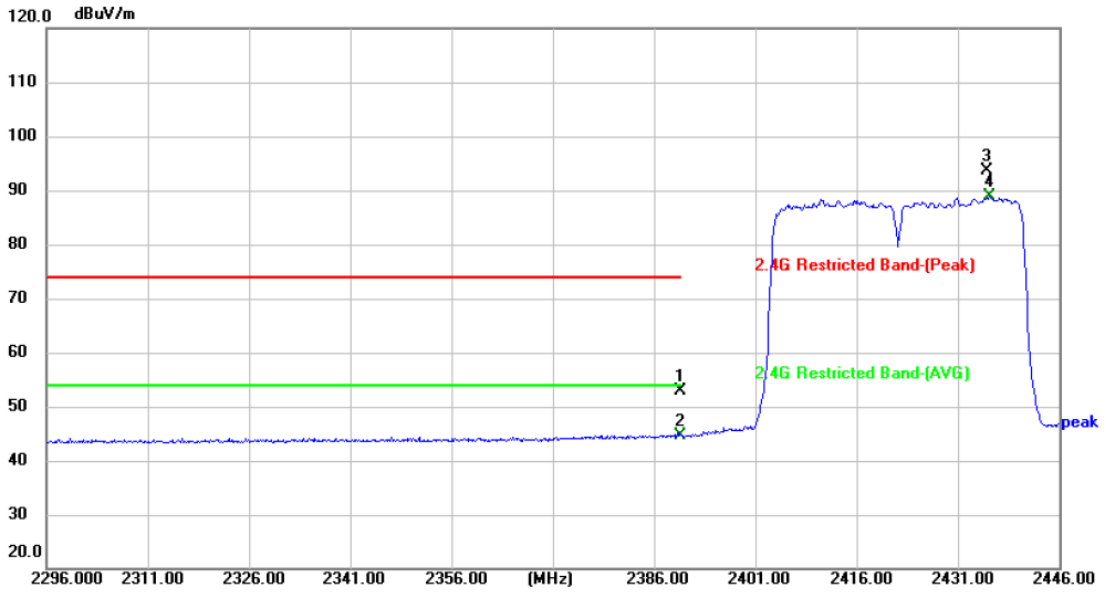
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX n(HT40) Mode 2422MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2389.450 | 59.57 | 4.79 | 64.36 | 74.00 | -9.64 | peak | P |
| 2 * | 2389.450 | 46.24 | 4.79 | 51.03 | 54.00 | -2.97 | AVG | P |
| 3 | 2390.000 | 57.23 | 4.80 | 62.03 | 74.00 | -11.97 | peak | P |
| 4 | 2390.000 | 45.65 | 4.80 | 50.45 | 54.00 | -3.55 | AVG | P |
| 5 | 2410.600 | 92.31 | 4.86 | 97.17 | | | AVG | |
| 6 | 2425.600 | 98.31 | 4.92 | 103.23 | | | peak | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

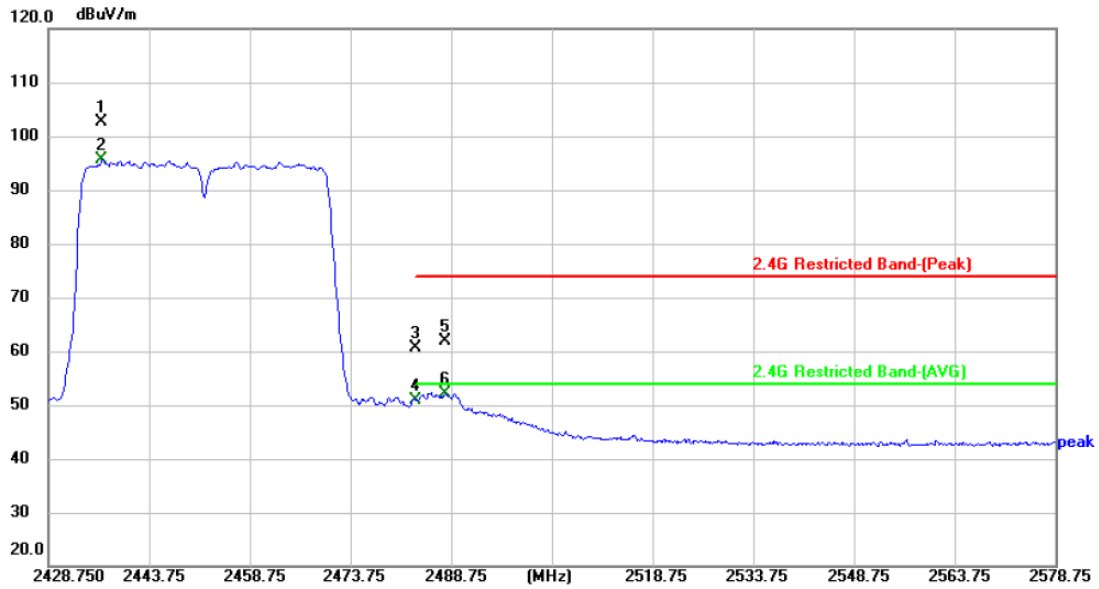
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX n(HT40) Mode 2422MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 48.17 | 4.80 | 52.97 | 74.00 | -21.03 | peak | P |
| 2 * | 2390.000 | 39.88 | 4.80 | 44.68 | 54.00 | -9.32 | AVG | P |
| 3 | 2435.200 | 88.78 | 4.96 | 93.74 | | | peak | |
| 4 | 2435.650 | 83.99 | 4.97 | 88.96 | | | AVG | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

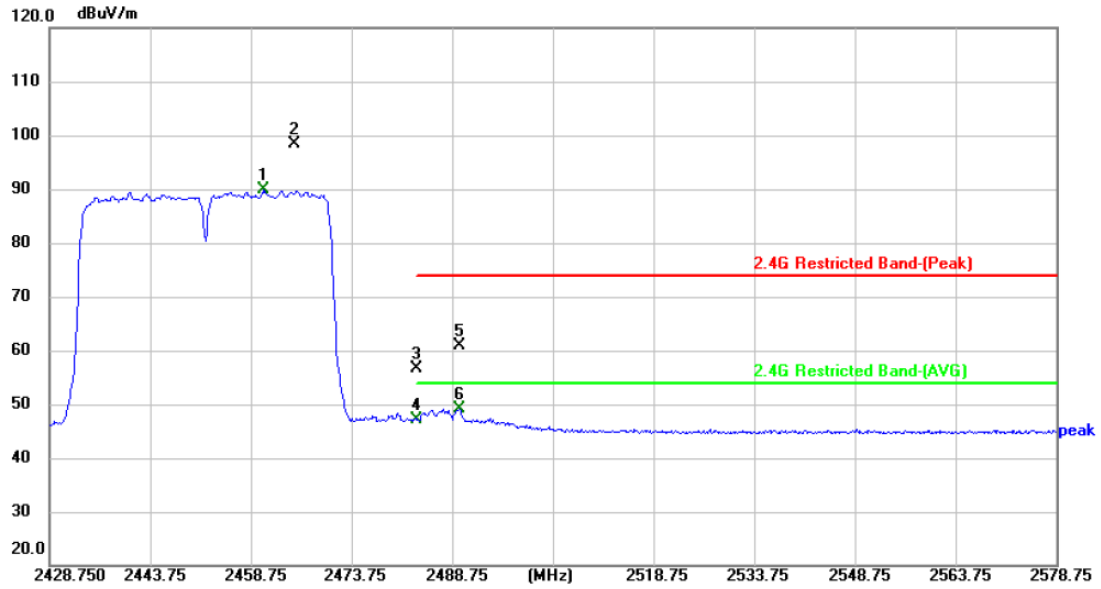
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX n(HT40) Mode 2452MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2436.550 | 97.62 | 4.97 | 102.59 | | | peak | |
| 2 | 2436.700 | 90.64 | 4.97 | 95.61 | | | AVG | |
| 3 | 2483.500 | 55.37 | 5.15 | 60.52 | 74.00 | -13.48 | peak | P |
| 4 | 2483.500 | 45.85 | 5.15 | 51.00 | 54.00 | -3.00 | AVG | P |
| 5 | 2487.850 | 56.83 | 5.16 | 61.99 | 74.00 | -12.01 | peak | P |
| 6 * | 2487.850 | 46.92 | 5.16 | 52.08 | 54.00 | -1.92 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

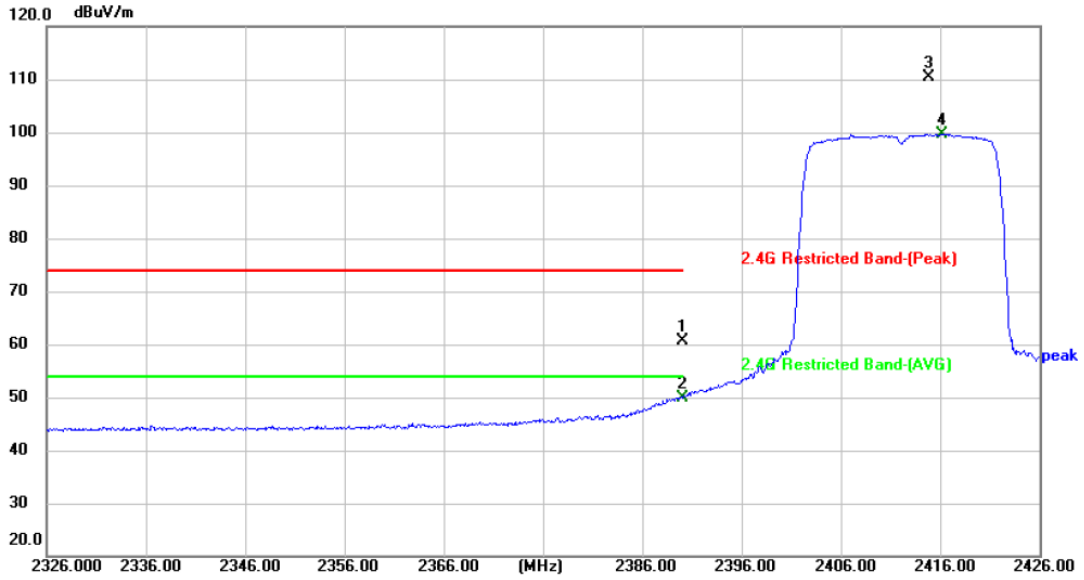
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX n(HT40) Mode 2452MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2460.700 | 84.91 | 5.06 | 89.97 | | | AVG | |
| 2 | 2465.200 | 93.29 | 5.07 | 98.36 | | | peak | |
| 3 | 2483.500 | 51.57 | 5.15 | 56.72 | 74.00 | -17.28 | peak | P |
| 4 | 2483.500 | 41.95 | 5.15 | 47.10 | 54.00 | -6.90 | AVG | P |
| 5 | 2489.800 | 55.72 | 5.18 | 60.90 | 74.00 | -13.10 | peak | P |
| 6 * | 2489.800 | 43.92 | 5.18 | 49.10 | 54.00 | -4.90 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

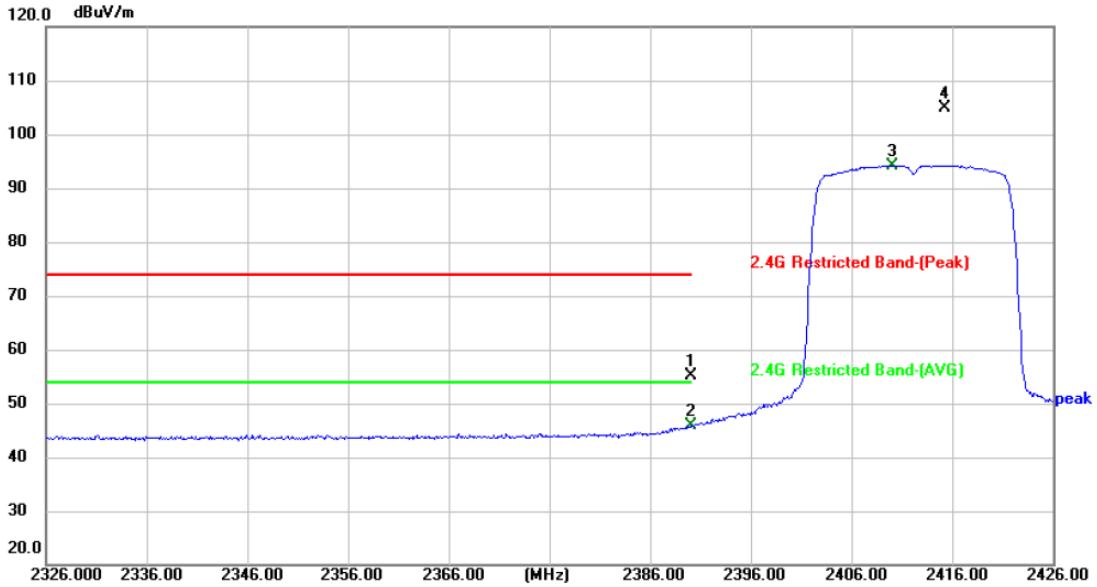
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX ax(HE20) Mode 2412MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 55.83 | 4.80 | 60.63 | 74.00 | -13.37 | peak | P |
| 2 * | 2390.000 | 45.19 | 4.80 | 49.99 | 54.00 | -4.01 | AVG | P |
| 3 | 2414.900 | 105.56 | 4.88 | 110.44 | | | peak | |
| 4 | 2416.200 | 94.83 | 4.88 | 99.71 | | | AVG | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

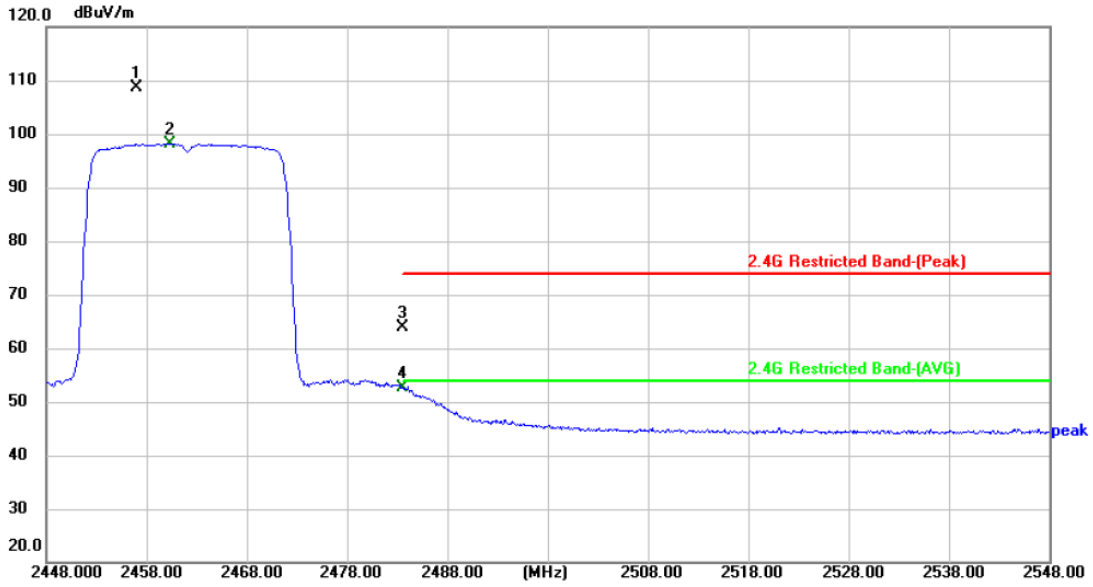
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX ax(HE20) Mode 2412MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 50.42 | 4.80 | 55.22 | 74.00 | -18.78 | peak | P |
| 2 * | 2390.000 | 41.16 | 4.80 | 45.96 | 54.00 | -8.04 | AVG | P |
| 3 | 2410.100 | 89.40 | 4.85 | 94.25 | | | AVG | |
| 4 | 2415.300 | 100.06 | 4.88 | 104.94 | | | peak | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

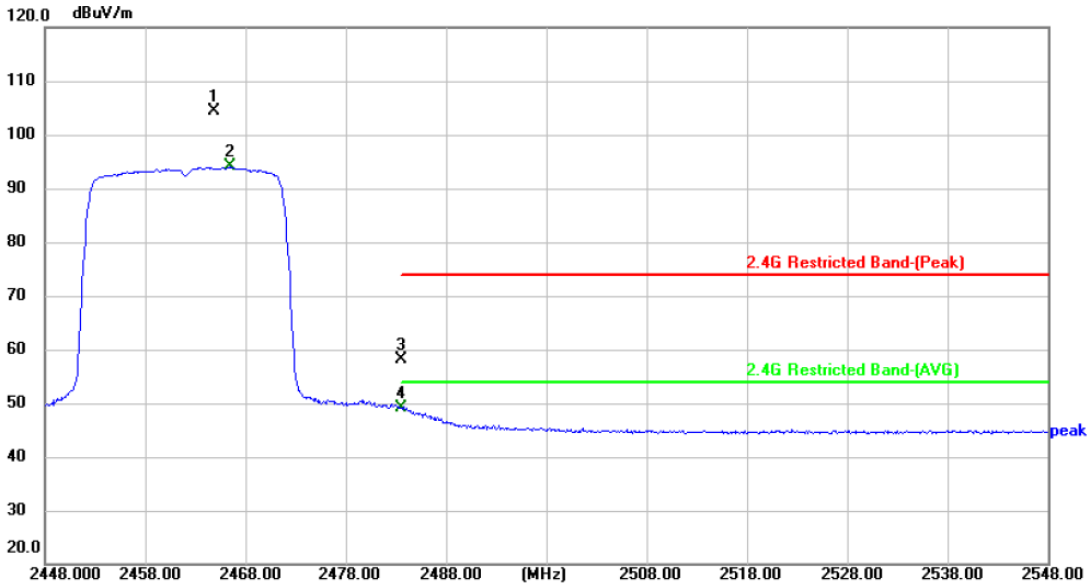
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX ax(HE20) Mode 2462MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2457.000 | 103.55 | 5.04 | 108.59 | | | peak | |
| 2 | 2460.300 | 93.16 | 5.05 | 98.21 | | | AVG | |
| 3 | 2483.500 | 58.70 | 5.15 | 63.85 | 74.00 | -10.15 | peak | P |
| 4 * | 2483.500 | 47.59 | 5.15 | 52.74 | 54.00 | -1.26 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

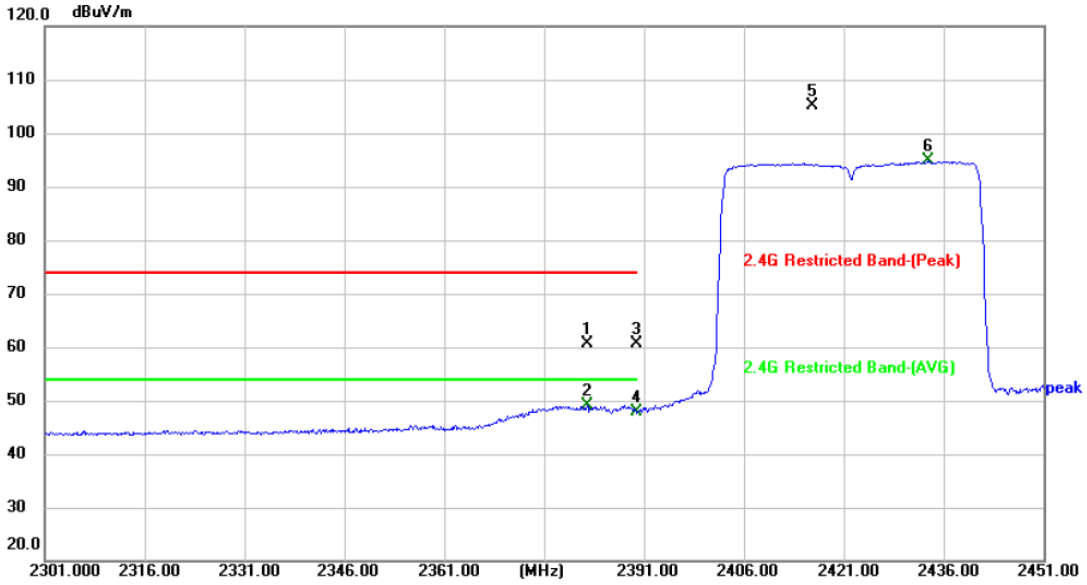
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX ax(HE20) Mode 2462MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2464.800 | 99.43 | 5.07 | 104.50 | | | peak | |
| 2 | 2466.400 | 88.95 | 5.08 | 94.03 | | | AVG | |
| 3 | 2483.500 | 52.92 | 5.15 | 58.07 | 74.00 | -15.93 | peak | P |
| 4 * | 2483.500 | 43.94 | 5.15 | 49.09 | 54.00 | -4.91 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

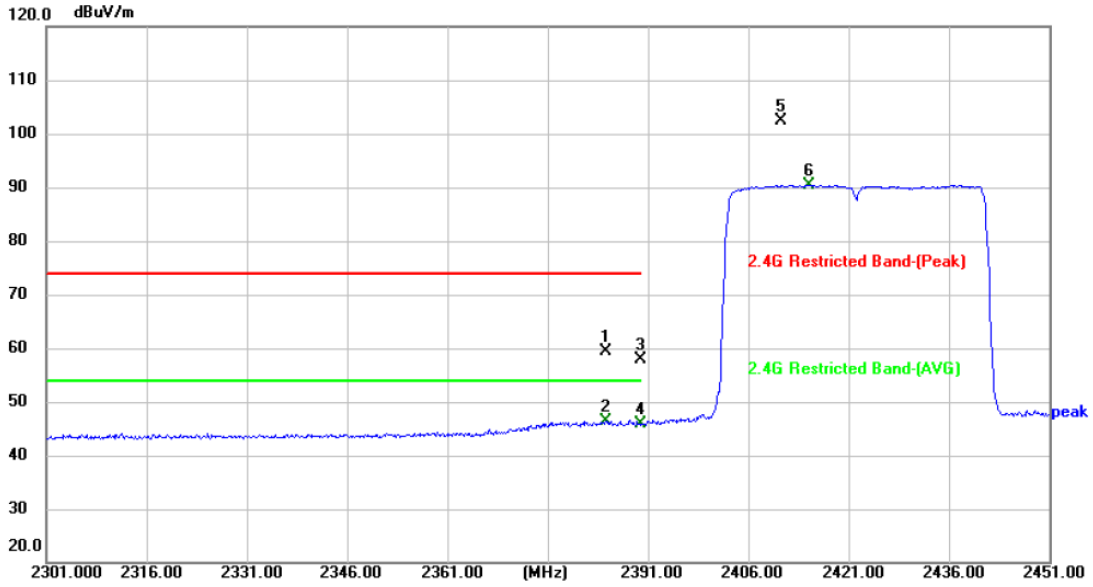
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX ax(HE40) Mode 2422MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2382.450 | 55.92 | 4.77 | 60.69 | 74.00 | -13.31 | peak | P |
| 2 * | 2382.450 | 44.35 | 4.77 | 49.12 | 54.00 | -4.88 | AVG | P |
| 3 | 2390.000 | 55.89 | 4.80 | 60.69 | 74.00 | -13.31 | peak | P |
| 4 | 2390.000 | 42.98 | 4.80 | 47.78 | 54.00 | -6.22 | AVG | P |
| 5 | 2416.200 | 100.33 | 4.88 | 105.21 | | | peak | |
| 6 | 2433.600 | 89.81 | 4.95 | 94.76 | | | AVG | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

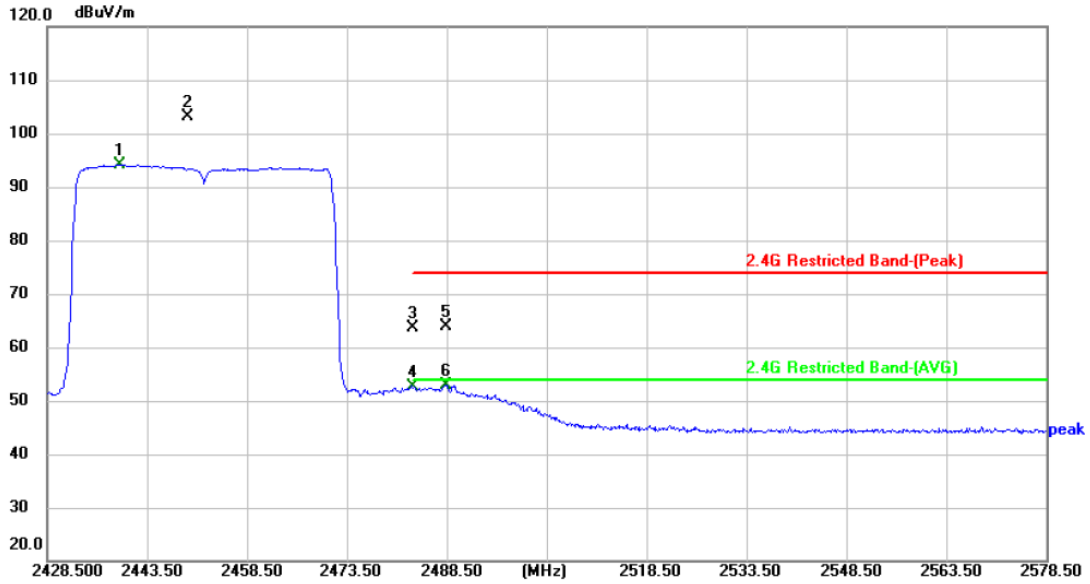
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX ax(HE40) Mode 2422MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2384.700 | 54.64 | 4.77 | 59.41 | 74.00 | -14.59 | peak | P |
| 2 * | 2384.700 | 41.68 | 4.77 | 46.45 | 54.00 | -7.55 | AVG | P |
| 3 | 2390.000 | 53.18 | 4.80 | 57.98 | 74.00 | -16.02 | peak | P |
| 4 | 2390.000 | 41.06 | 4.80 | 45.86 | 54.00 | -8.14 | AVG | P |
| 5 | 2410.950 | 97.49 | 4.86 | 102.35 | | | peak | |
| 6 | 2415.000 | 85.57 | 4.88 | 90.45 | | | AVG | |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

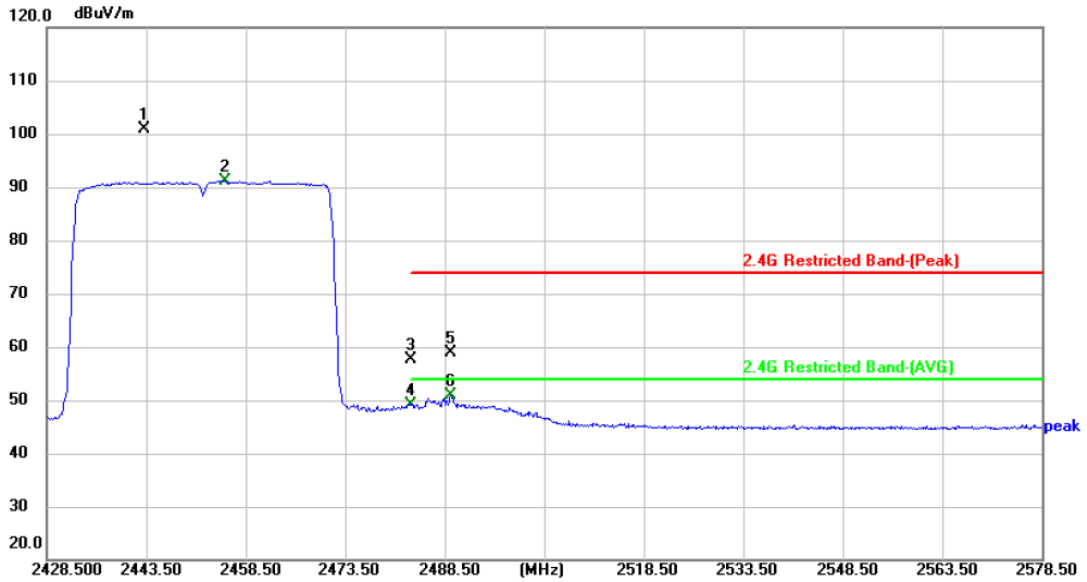
| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX ax(HE40) Mode 2452MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2439.450 | 89.13 | 4.97 | 94.10 | | | AVG | |
| 2 | 2449.650 | 98.15 | 5.01 | 103.16 | | | peak | |
| 3 | 2483.500 | 58.58 | 5.15 | 63.73 | 74.00 | -10.27 | peak | P |
| 4 | 2483.500 | 47.53 | 5.15 | 52.68 | 54.00 | -1.32 | AVG | P |
| 5 | 2488.350 | 58.68 | 5.16 | 63.84 | 74.00 | -10.16 | peak | P |
| 6 * | 2488.350 | 47.80 | 5.16 | 52.96 | 54.00 | -1.04 | AVG | P |

**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

| Temperature: | 23.5℃ | Relative Humidity: | 45% |
|---|---|---|---|
| Test Voltage: | AC 120V/60Hz | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX ax(HE40) Mode 2452MHz Ant.1+2-MIMO | | |
| Remark: | Only worse case is reported. | | |

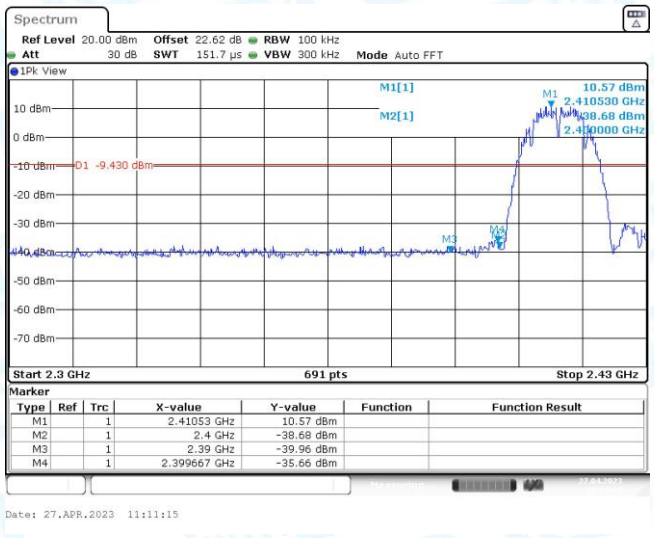



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 2443.200 | 95.81 | 4.99 | 100.80 | | | peak | |
| 2 | 2455.350 | 86.17 | 5.03 | 91.20 | | | AVG | |
| 3 | 2483.500 | 52.45 | 5.15 | 57.60 | 74.00 | -16.40 | peak | P |
| 4 | 2483.500 | 44.05 | 5.15 | 49.20 | 54.00 | -4.80 | AVG | P |
| 5 | 2489.400 | 53.76 | 5.17 | 58.93 | 74.00 | -15.07 | peak | P |
| 6 * | 2489.400 | 45.78 | 5.17 | 50.95 | 54.00 | -3.05 | AVG | P |

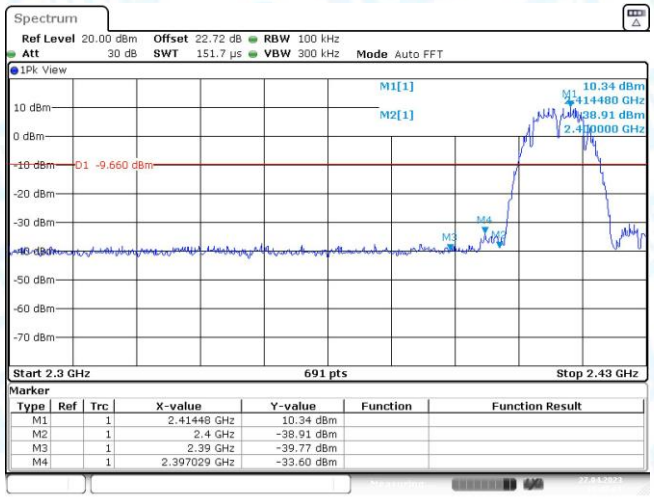
**Remark:**
**1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)**
**2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)**
**3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)**

## ---Band Edge (Conducted Measurements)

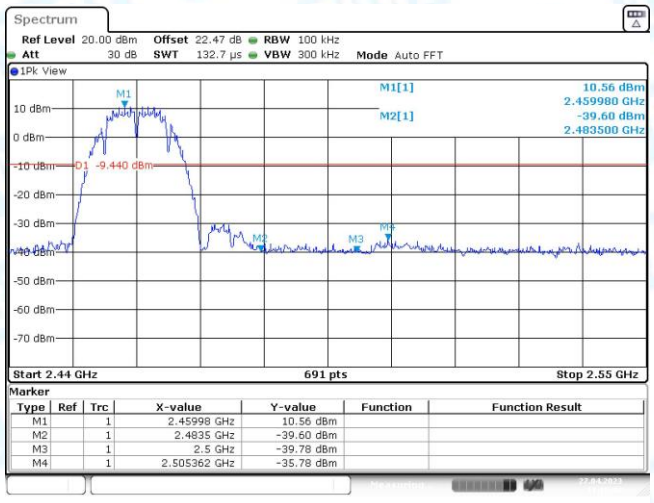
| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | Low | 2412 | 10.57 | -35.66 | ≤-9.43 | PASS |
| | Ant2 | Low | 2412 | 10.34 | -33.6 | ≤-9.66 | PASS |
| | Ant1 | High | 2462 | 10.56 | -35.78 | ≤-9.44 | PASS |
| | Ant2 | High | 2462 | 9.98 | -35.71 | ≤-10.02 | PASS |
| 11G | Ant1 | Low | 2412 | 6.92 | -30.99 | ≤-13.08 | PASS |
| | Ant2 | Low | 2412 | 6.28 | -31.48 | ≤-13.72 | PASS |
| | Ant1 | High | 2462 | 7.11 | -33.16 | ≤-12.89 | PASS |
| | Ant2 | High | 2462 | 6.28 | -35.9 | ≤-13.72 | PASS |
| 11N20MIMO | Ant1 | Low | 2412 | 5.00 | -37.06 | ≤-15 | PASS |
| | Ant2 | Low | 2412 | 4.10 | -36.72 | ≤-15.9 | PASS |
| | Ant1 | High | 2462 | 5.11 | -35.74 | ≤-14.89 | PASS |
| | Ant2 | High | 2462 | 4.59 | -35.83 | ≤-15.41 | PASS |
| 11N40MIMO | Ant1 | Low | 2422 | 0.63 | -36.78 | ≤-19.37 | PASS |
| | Ant2 | Low | 2422 | 0.02 | -37.33 | ≤-19.98 | PASS |
| | Ant1 | High | 2452 | 1.13 | -35.28 | ≤-18.87 | PASS |
| | Ant2 | High | 2452 | 0.59 | -36.4 | ≤-19.41 | PASS |
| 11AX20MIMO | Ant1 | Low | 2412 | 4.52 | -37.05 | ≤-15.48 | PASS |
| | Ant2 | Low | 2412 | 1.68 | -37.4 | ≤-18.32 | PASS |
| | Ant1 | High | 2462 | 4.88 | -36.2 | ≤-15.12 | PASS |
| | Ant2 | High | 2462 | 1.94 | -35.92 | ≤-18.06 | PASS |
| 11AX40MIMO | Ant1 | Low | 2422 | -0.36 | -38 | ≤-20.36 | PASS |
| | Ant2 | Low | 2422 | 0.18 | -37.55 | ≤-19.82 | PASS |
| | Ant1 | High | 2452 | 0.49 | -35.93 | ≤-19.51 | PASS |
| | Ant2 | High | 2452 | 0.27 | -36.31 | ≤-19.73 | PASS |



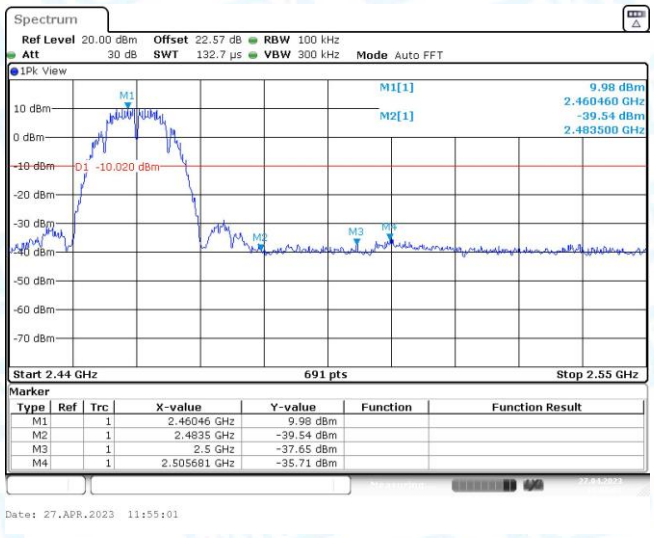

11B_Ant1_Low_2412



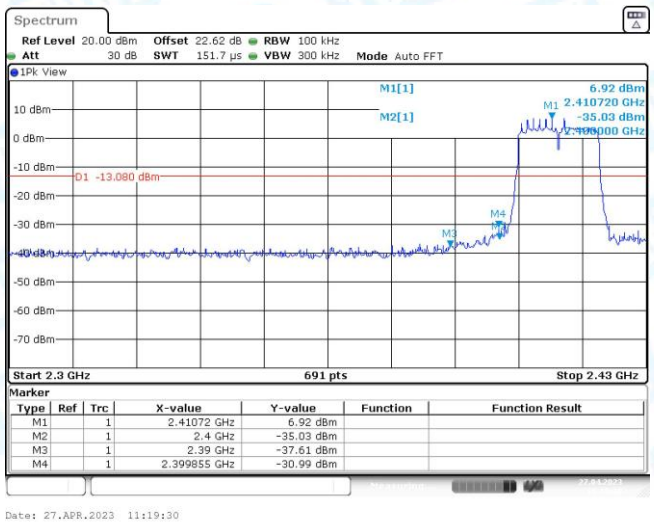

11B_Ant2_Low_2412



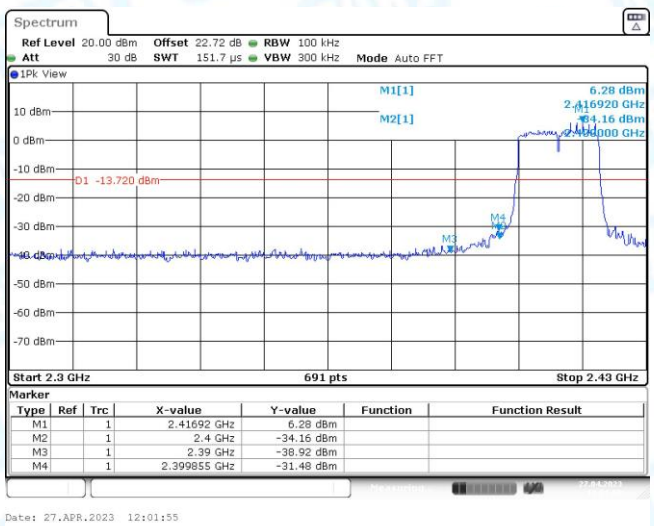

11B_Ant1_High_2462



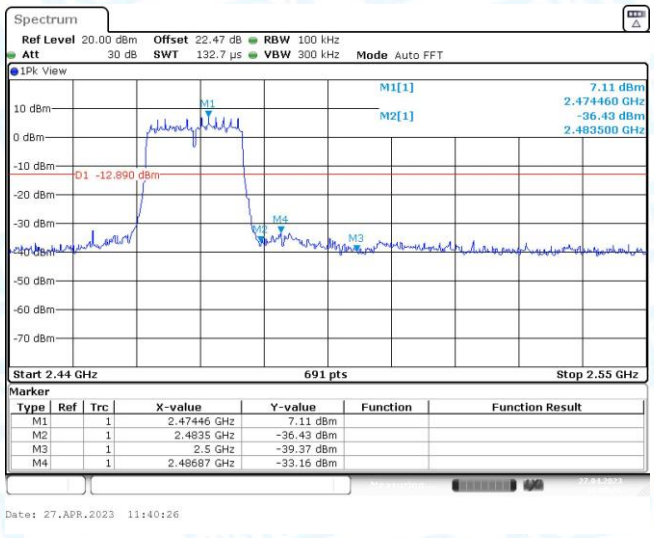

11B_Ant2_High_2462



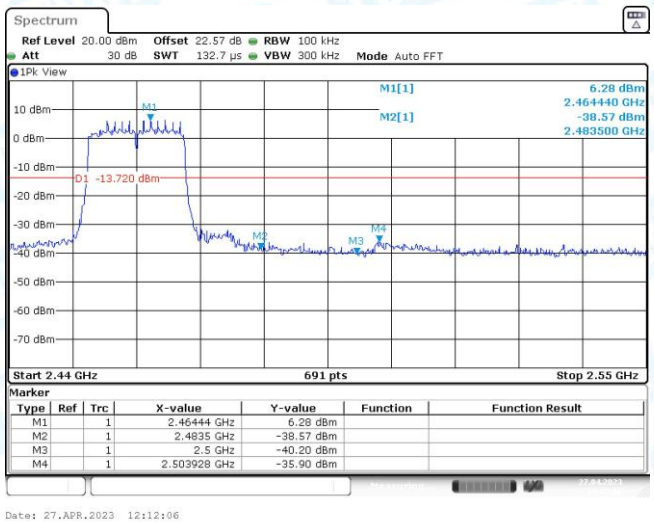

11G_Ant1_Low_2412



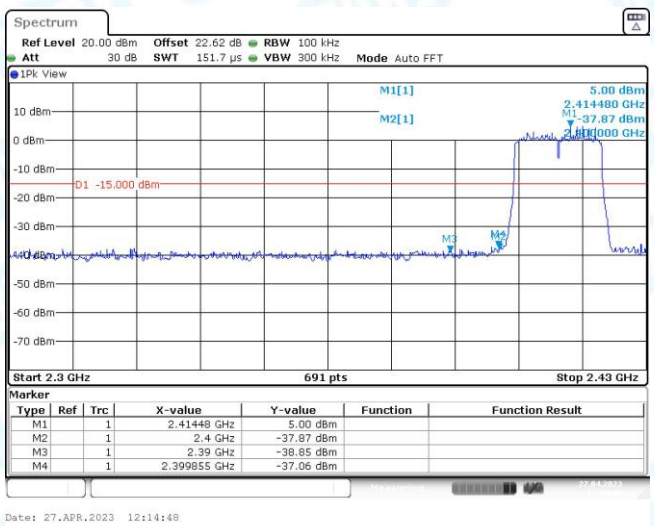

11G_Ant2_Low_2412



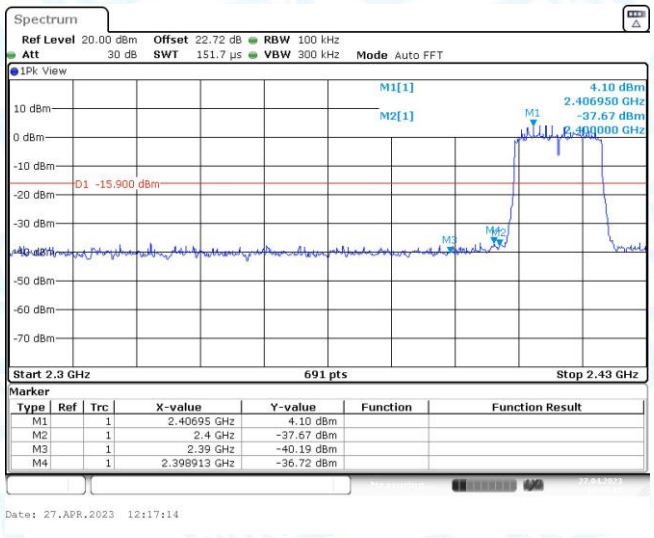

11G_Ant1_High_2462



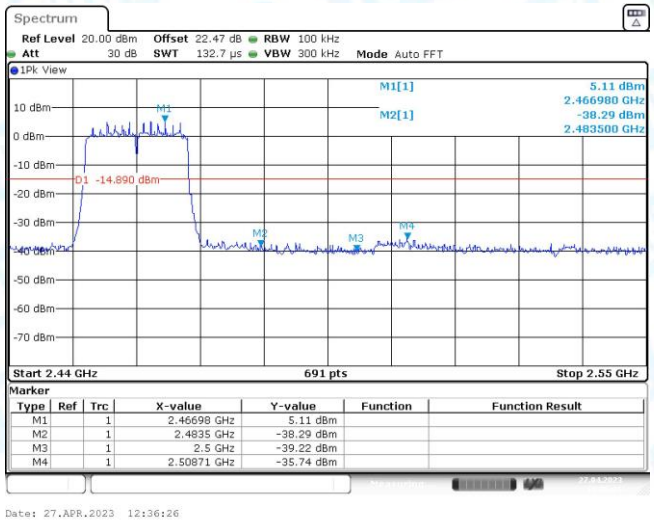

11G_Ant2_High_2462



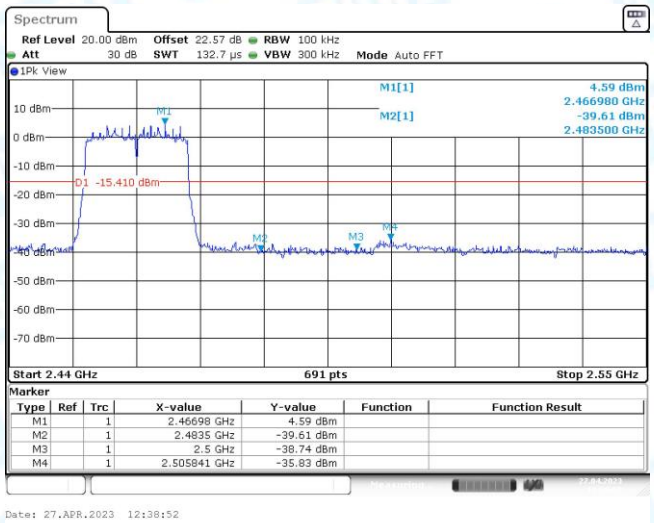

11N20MIMO_Ant1_Low_2412



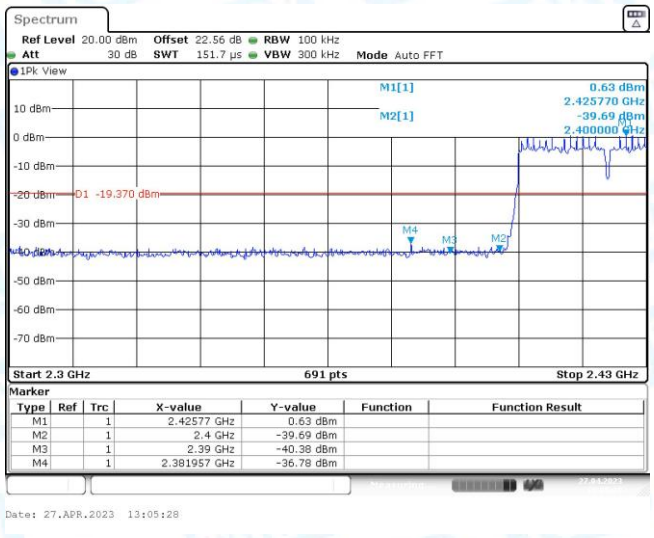

11N20MIMO_Ant2_Low_2412



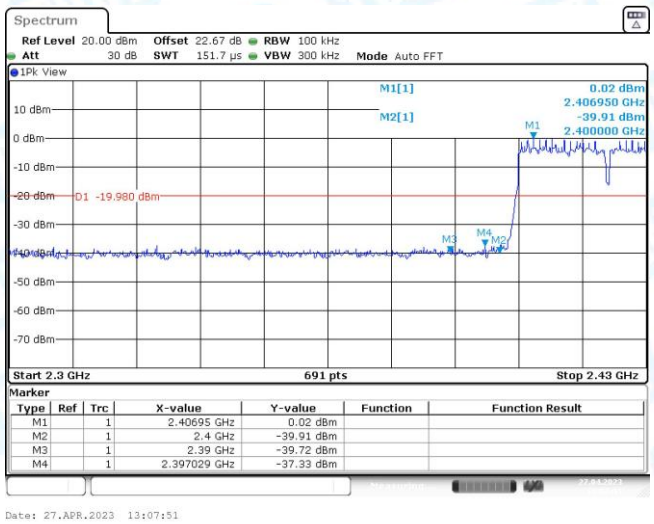

11N20MIMO_Ant1_High_2462



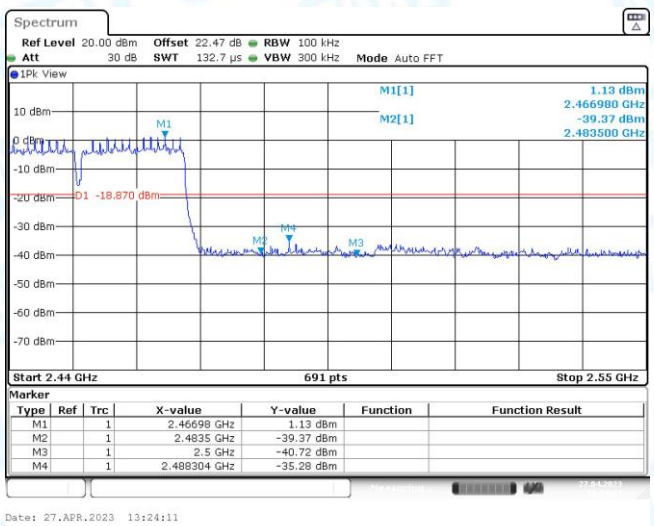

11N20MIMO_Ant2_High_2462



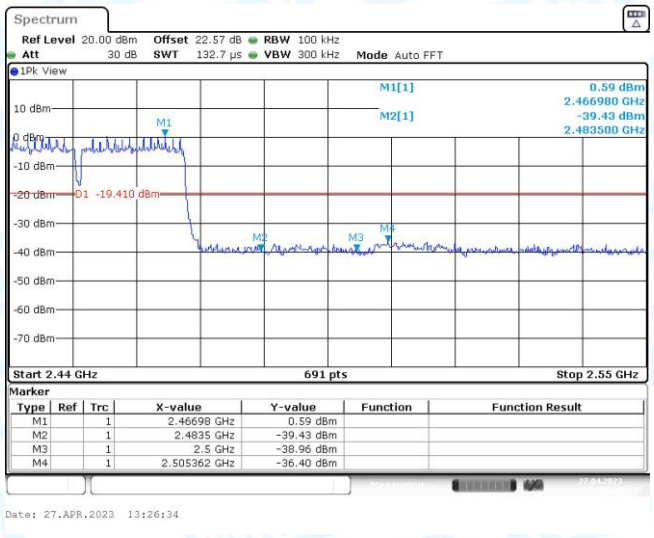

11N40MIMO_Ant1_Low_2422



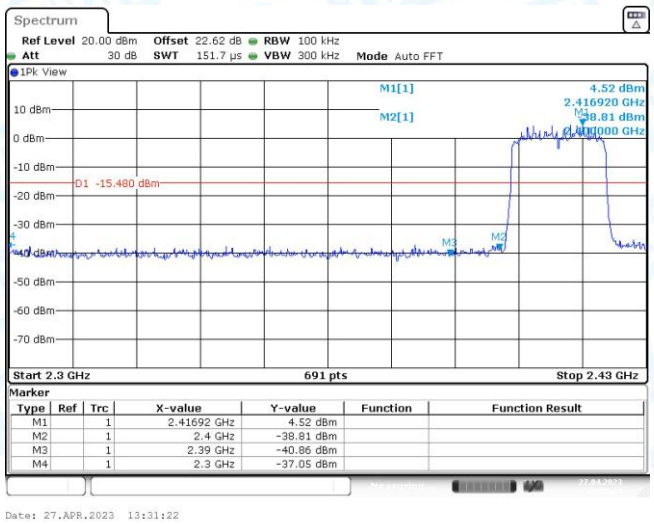

11N40MIMO_Ant2_Low_2422



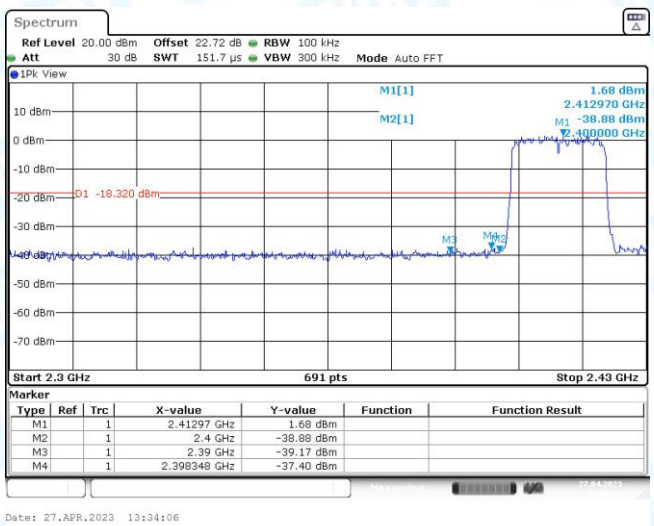

11N40MIMO_Ant1_High_2452




11N40MIMO_Ant2_High_2452




11AX20MIMO_Ant1_Low_2412

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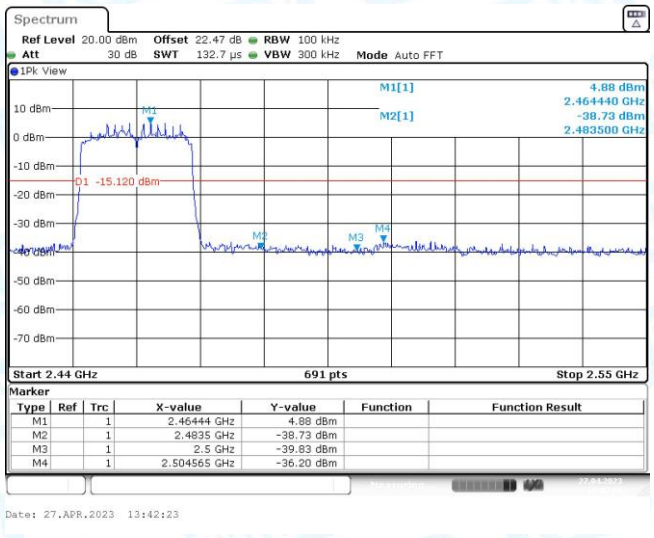


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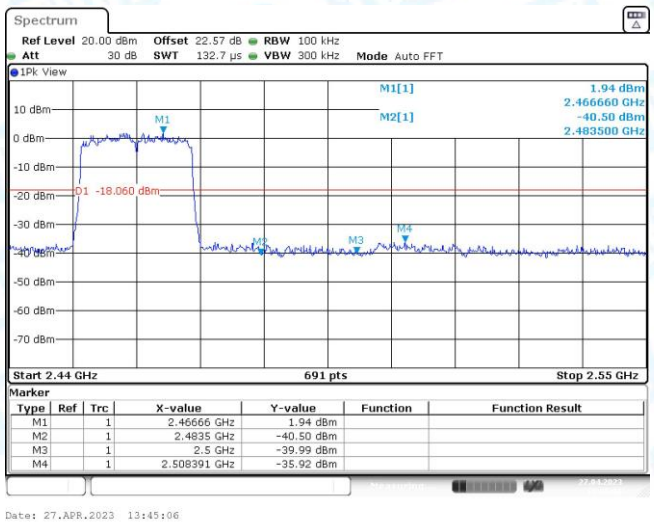


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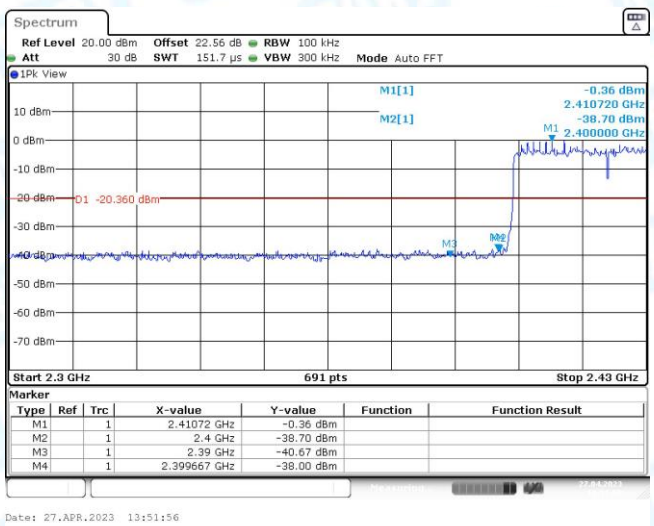


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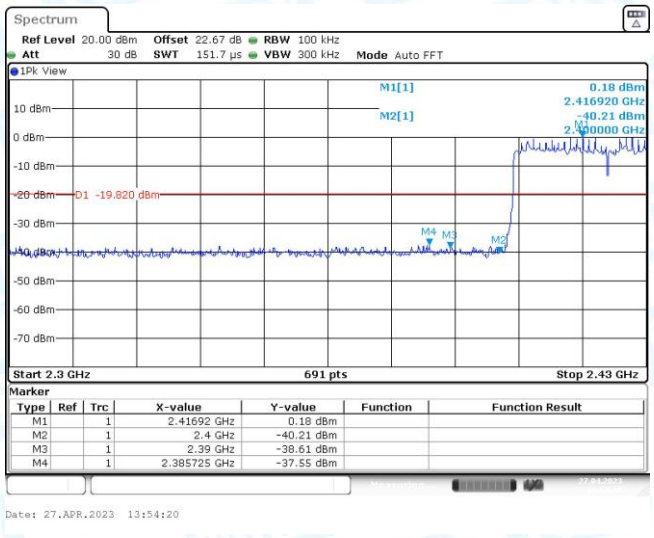


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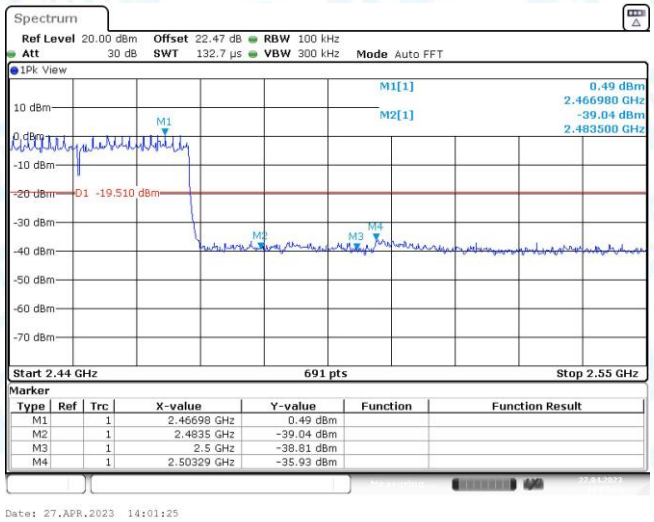


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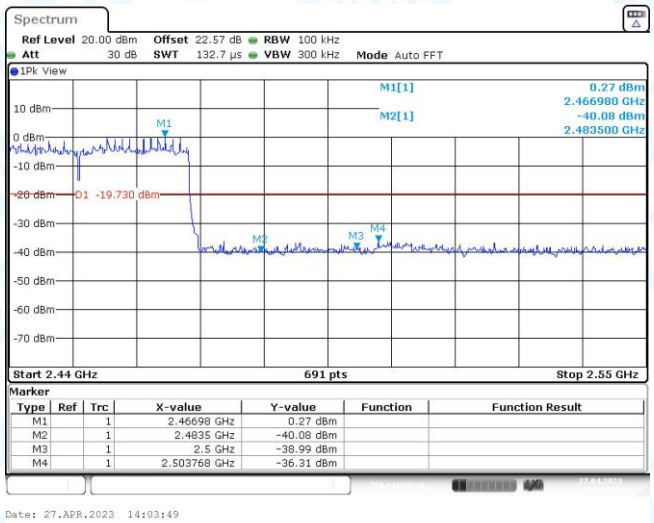



11AX40MIMO_Ant2_High_2452

# 8. Bandwidth Test

## 8.1 Test Standard and Limit

### 8.1.1 Test Standard

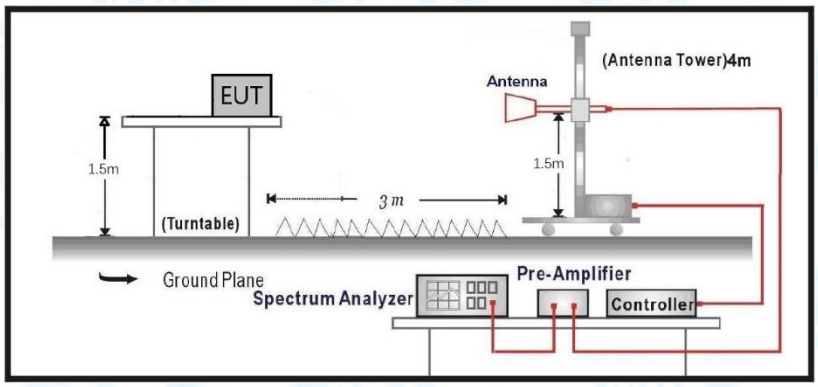
**RSS-Gen 6.7 & RSS 247 5.2(a)**

**FCC Part 15.205 & FCC Part 15.247(d)**

### 8.1.2 Test Limit

| Test Item | Limit | Frequency Range(MHz) |
|---|---|---|
| -6dB bandwidth (DTS bandwidth ) | >=500 KHz | 2400~2483.5 |
| 99% occupied bandwidth | / | 2400~2483.5 |

## 8.2 Test Setup




## 8.3 Test Procedure

**---DTS bandwidth**

●The steps for the first option are as follows:

a) Set RBW = 100 kHz.

b) Set the VBW≥[3*RBW].

c) Detector = peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

**---occupied bandwidth**

●The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

d) Step a) through step c) might require iteration to adjust within the specified range.

e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

## 8.4 Deviation From Test Standard

No deviation

## 8.5 EUT Operating Mode

Please refer to the description of test mode.

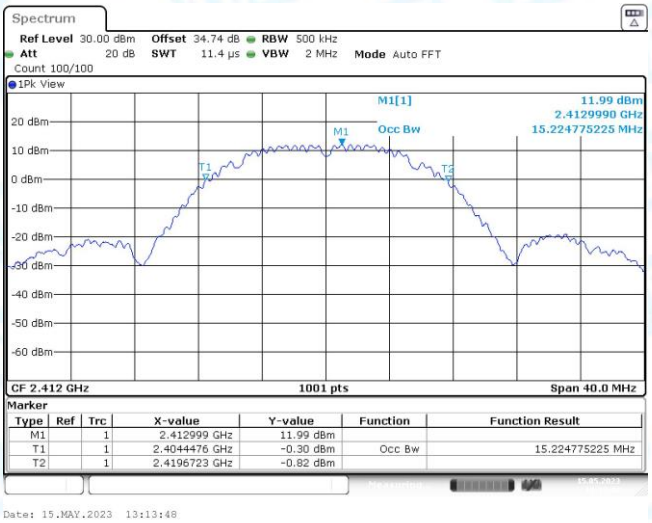
## 8.6 Test Data

Please refer to the following pages.

## ---99% and 6dB Bandwidth Test (Radiation Measurements)

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 15.225 | 2404.4476 | 2419.6723 | --- | --- |
| | Ant2 | 2412 | 15.185 | 2404.4875 | 2419.6723 | --- | --- |
| | Ant1 | 2437 | 15.145 | 2429.4875 | 2444.6324 | --- | --- |
| | Ant2 | 2437 | 15.145 | 2429.3676 | 2444.5125 | --- | --- |
| | Ant1 | 2462 | 15.185 | 2454.4875 | 2469.6723 | --- | --- |
| | Ant2 | 2462 | 15.185 | 2454.6474 | 2469.8322 | --- | --- |
| 11G | Ant1 | 2412 | 16.623 | 2403.7682 | 2420.3916 | --- | --- |
| | Ant2 | 2412 | 16.663 | 2403.7682 | 2420.4316 | --- | --- |
| | Ant1 | 2437 | 16.583 | 2428.7682 | 2445.3516 | --- | --- |
| | Ant2 | 2437 | 16.543 | 2428.7283 | 2445.2717 | --- | --- |
| | Ant1 | 2462 | 16.623 | 2453.7682 | 2470.3916 | --- | --- |
| | Ant2 | 2462 | 16.663 | 2453.7283 | 2470.3916 | --- | --- |
| 11N20MIMO | Ant1&Ant2 | 2412 | 17.662 | 2403.2887 | 2420.9510 | --- | --- |
| | | 2437 | 17.622 | 2428.2488 | 2445.8711 | --- | --- |
| | | 2462 | 17.742 | 2453.1688 | 2470.9111 | --- | --- |
| 11N40MIMO | Ant1&Ant2 | 2422 | 36.444 | 2403.9381 | 2440.3816 | --- | --- |
| | | 2437 | 36.364 | 2418.9381 | 2455.3017 | --- | --- |
| | | 2452 | 36.603 | 2433.7782 | 2470.3816 | --- | --- |
| 11AX20MIMO | Ant1&Ant2 | 2412 | 19.101 | 2402.4895 | 2421.5904 | --- | --- |
| | | 2437 | 19.021 | 2427.5694 | 2446.5904 | --- | --- |
| | | 2462 | 18.941 | 2452.6494 | 2471.5904 | --- | --- |
| 11AX40MIMO | Ant1&Ant2 | 2422 | 37.962 | 2403.0589 | 2441.0210 | --- | --- |
| | | 2437 | 38.362 | 2417.8991 | 2456.2607 | --- | --- |
| | | 2452 | 37.962 | 2433.1389 | 2471.1009 | --- | --- |

| Test Mode | Antenna | Channel | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 11.08 | 2406.00 | 2417.08 | 0.5 | PASS |
| | Ant2 | 2412 | 10.08 | 2407.00 | 2417.08 | 0.5 | PASS |
| | Ant1 | 2437 | 11.04 | 2431.04 | 2442.08 | 0.5 | PASS |
| | Ant2 | 2437 | 11.04 | 2431.04 | 2442.08 | 0.5 | PASS |
| | Ant1 | 2462 | 11.08 | 2456.04 | 2467.12 | 0.5 | PASS |
| | Ant2 | 2462 | 11.08 | 2457.00 | 2468.08 | 0.5 | PASS |
| 11G | Ant1 | 2412 | 16.44 | 2403.84 | 2420.28 | 0.5 | PASS |
| | Ant2 | 2412 | 16.32 | 2403.88 | 2420.20 | 0.5 | PASS |
| | Ant1 | 2437 | 16.32 | 2428.88 | 2445.20 | 0.5 | PASS |
| | Ant2 | 2437 | 16.32 | 2428.88 | 2445.20 | 0.5 | PASS |
| | Ant1 | 2462 | 16.32 | 2453.88 | 2470.20 | 0.5 | PASS |
| | Ant2 | 2462 | 16.40 | 2453.84 | 2470.24 | 0.5 | PASS |
| 11N20MIMO | Ant1&Ant2 | 2412 | 16.08 | 2404.52 | 2420.60 | 0.5 | PASS |
| | | 2437 | 17.32 | 2428.28 | 2445.60 | 0.5 | PASS |
| | | 2462 | 15.12 | 2454.48 | 2469.60 | 0.5 | PASS |
| 11N40MIMO | Ant1&Ant2 | 2422 | 35.36 | 2404.56 | 2439.92 | 0.5 | PASS |
| | | 2437 | 35.12 | 2419.56 | 2454.68 | 0.5 | PASS |
| | | 2452 | 35.04 | 2434.56 | 2469.60 | 0.5 | PASS |
| 11AX20MIMO | Ant1&Ant2 | 2412 | 12.56 | 2404.56 | 2417.12 | 0.5 | PASS |
| | | 2437 | 19.04 | 2427.56 | 2446.60 | 0.5 | PASS |
| | | 2462 | 16.72 | 2454.08 | 2470.80 | 0.5 | PASS |
| 11AX40MIMO | Ant1&Ant2 | 2422 | 36.40 | 2404.72 | 2441.12 | 0.5 | PASS |
| | | 2437 | 34.24 | 2421.56 | 2455.80 | 0.5 | PASS |
| | | 2452 | 36.40 | 2434.56 | 2470.96 | 0.5 | PASS |

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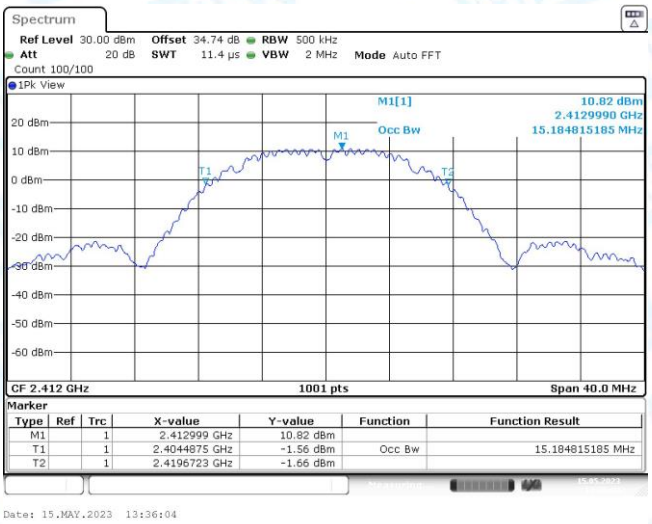


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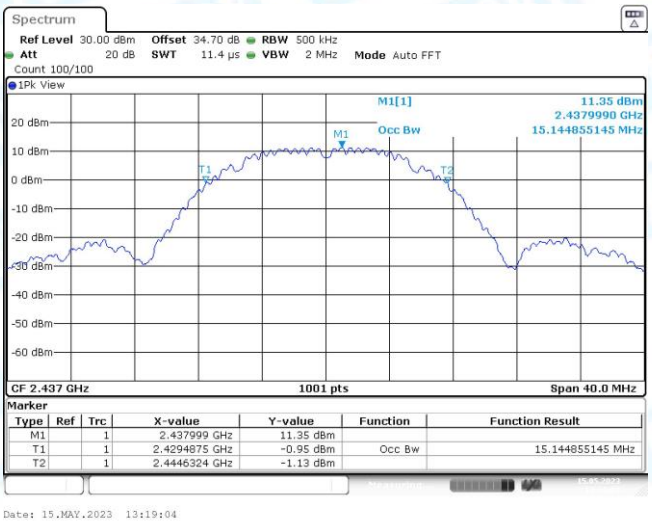


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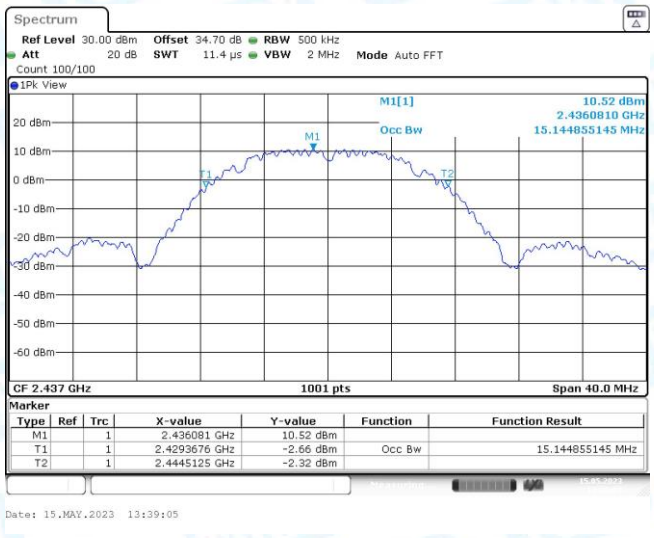


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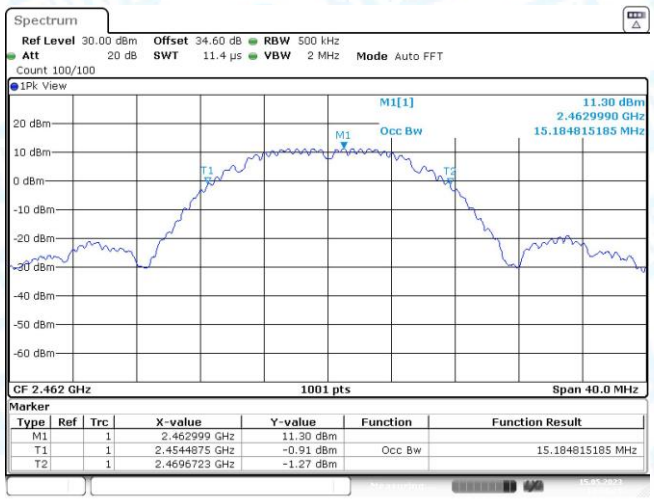


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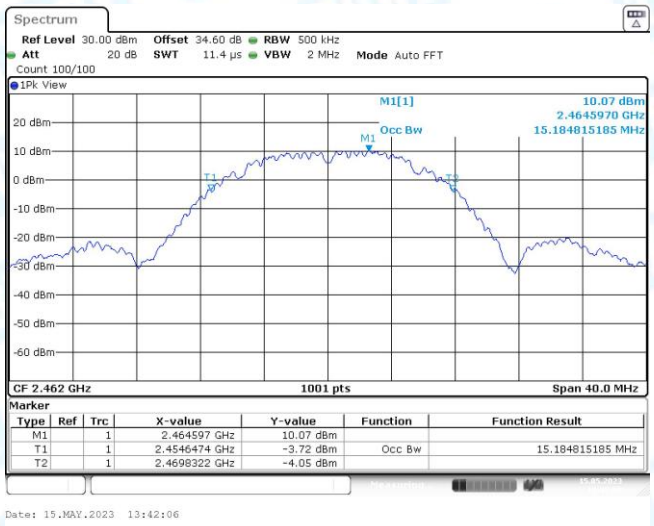


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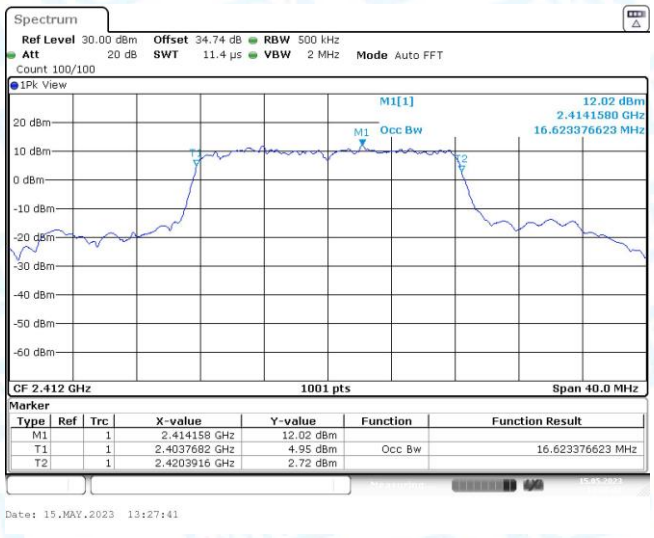


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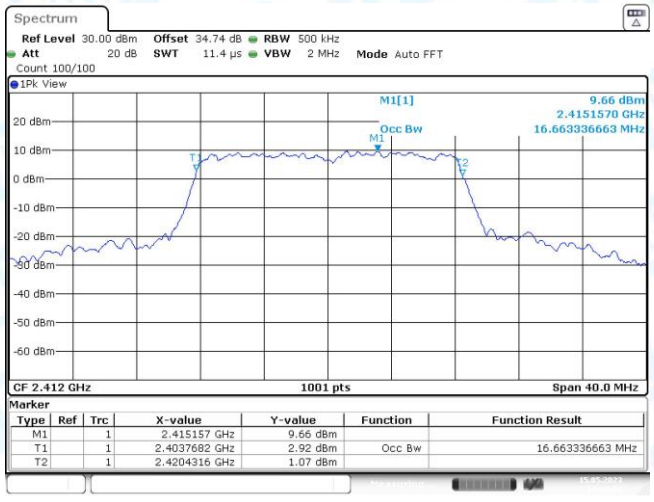


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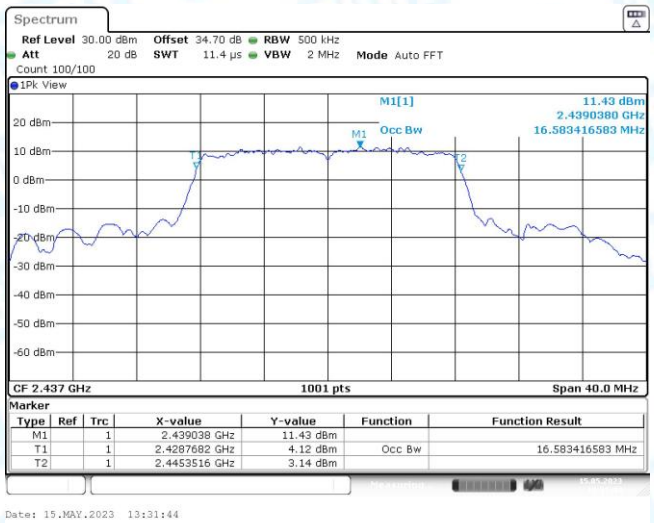


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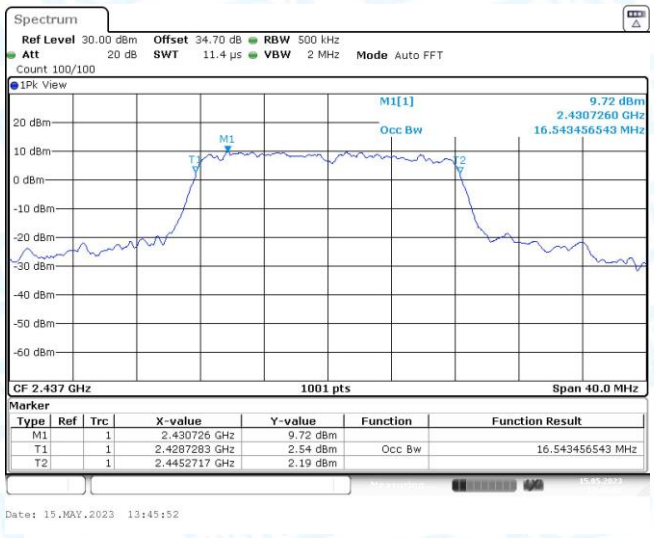


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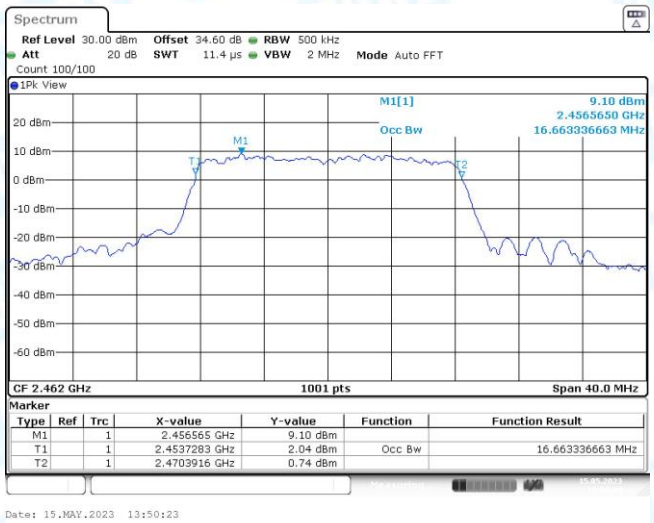


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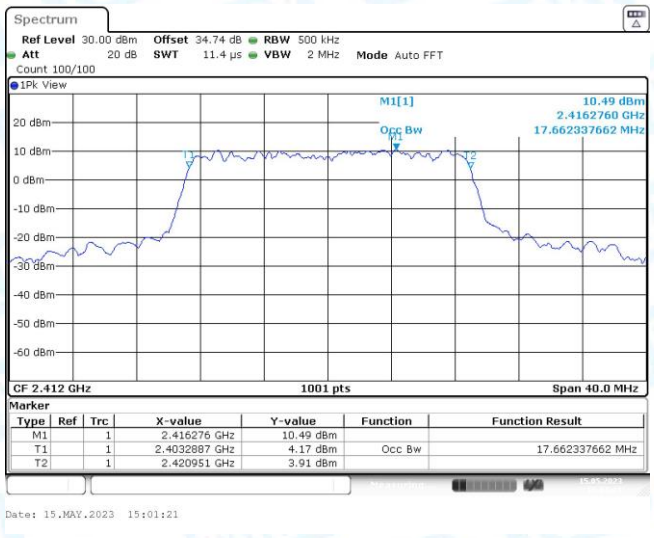


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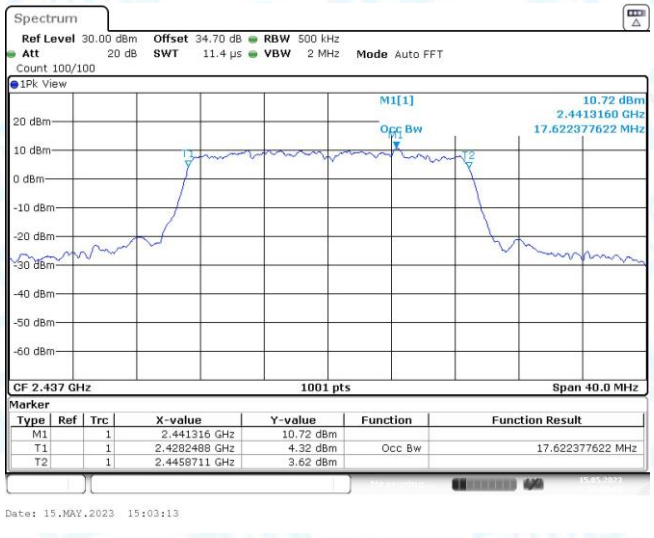


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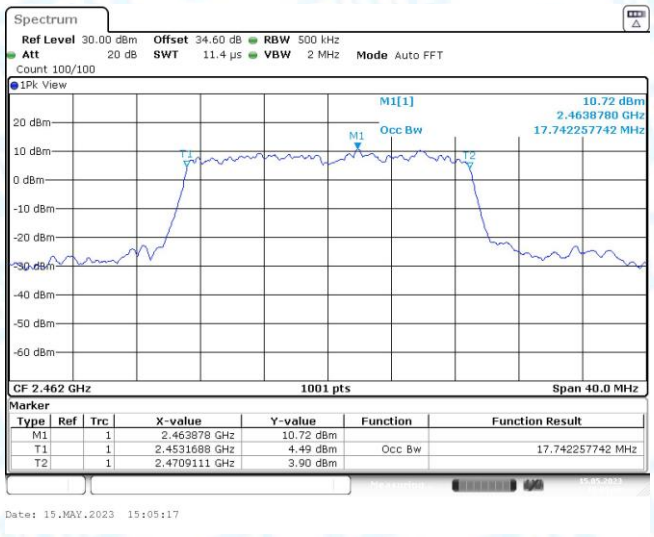


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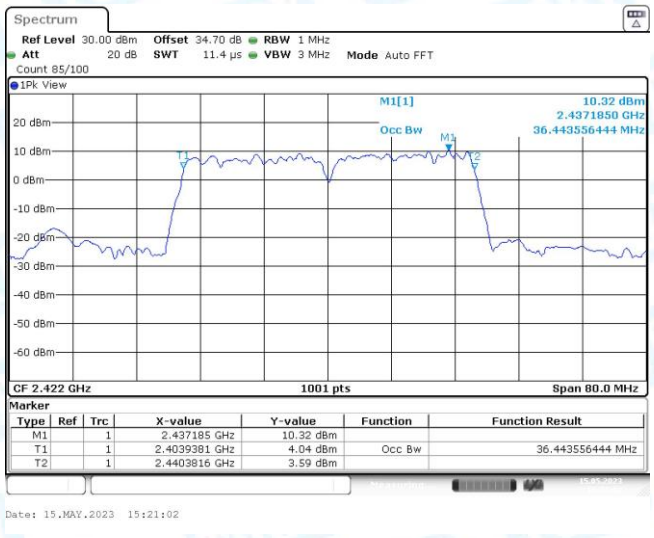


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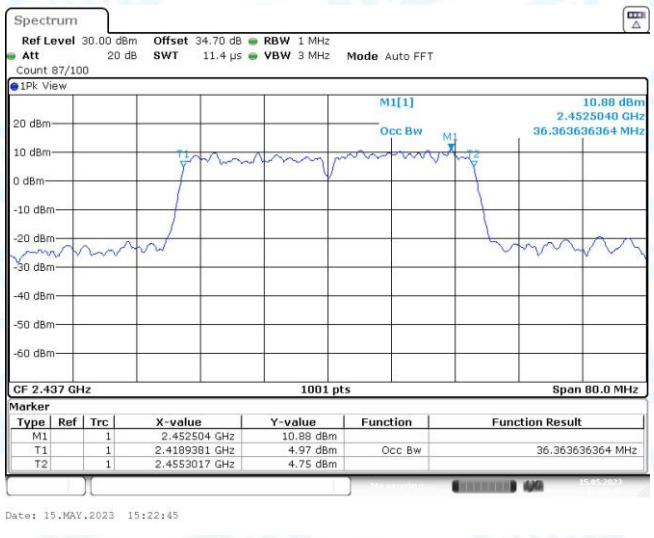
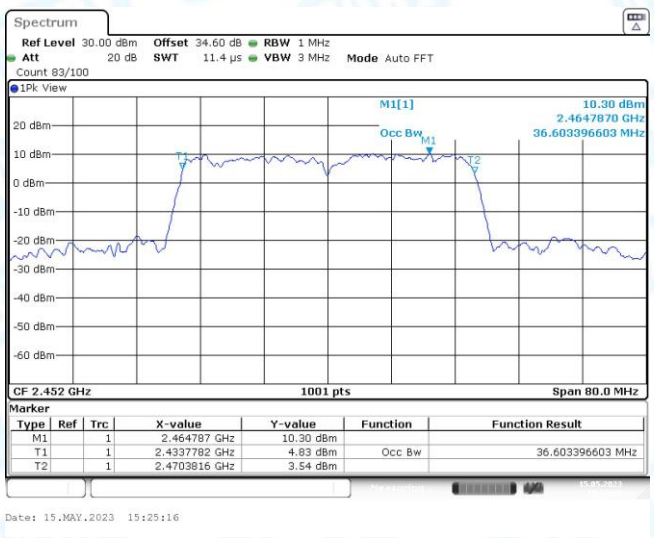



11N40MIMO_Ant1&Ant2_2437-99%OCB

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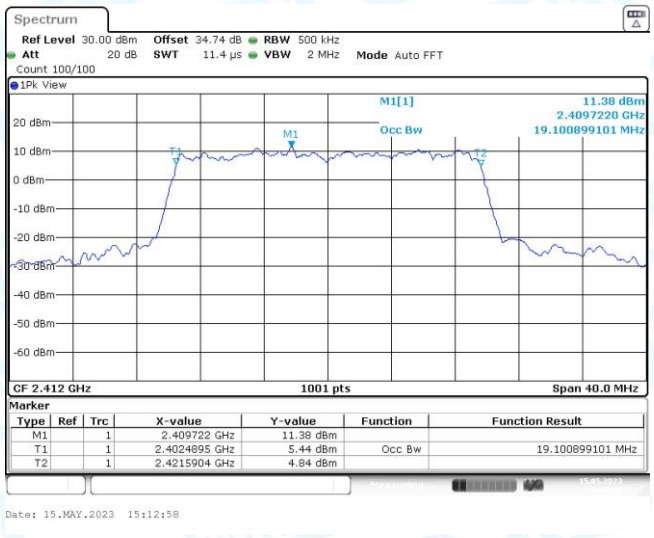


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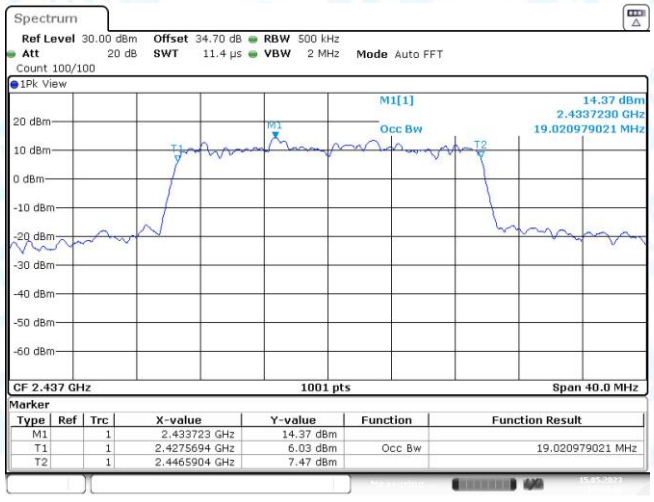


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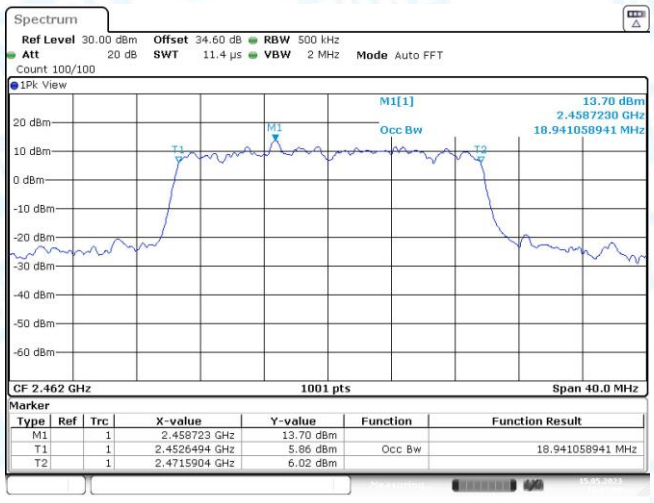


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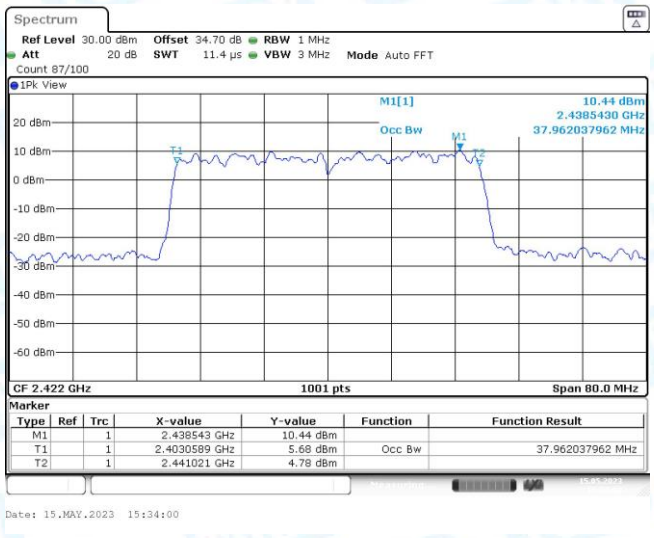


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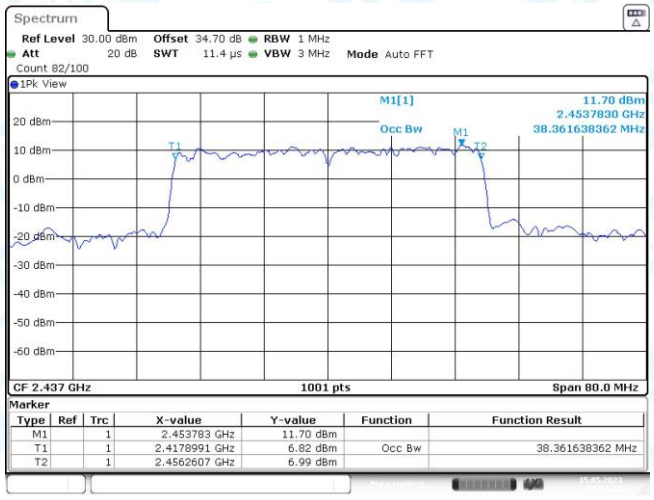


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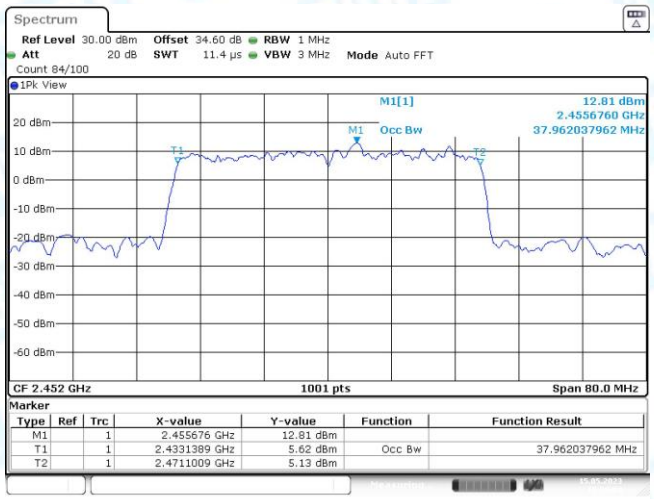


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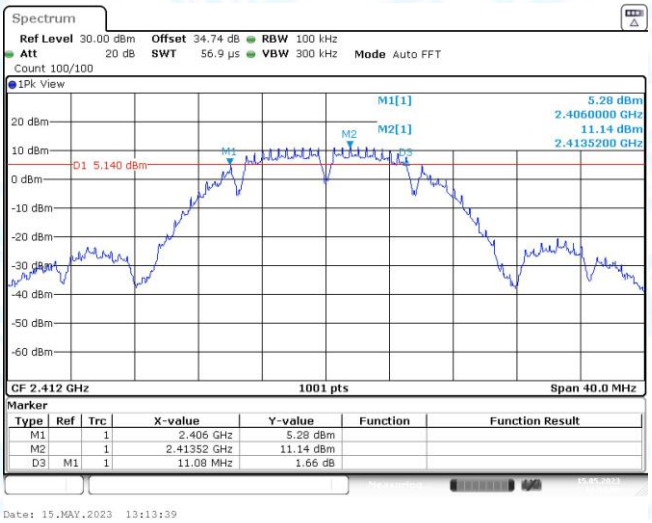
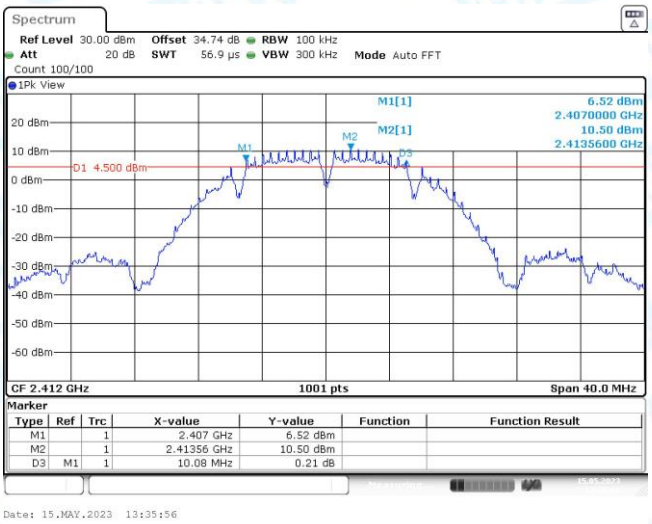
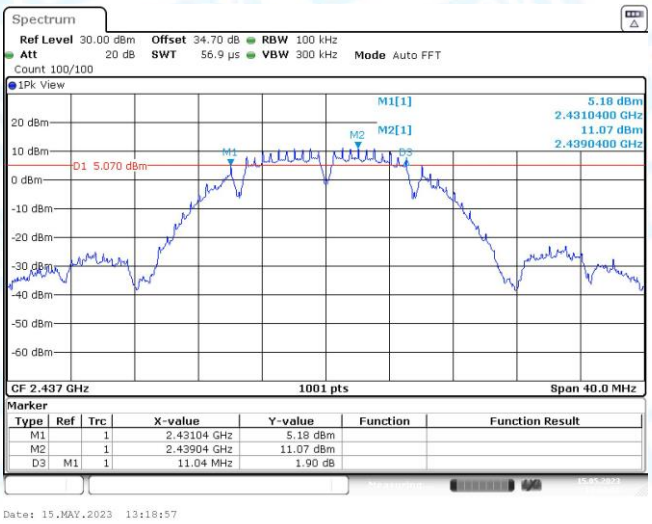



11B_Ant1_2412-6dB DTS




11B_Ant2_2412-6dB DTS




11B_Ant1_2437-6dB DTS