**TEST REPORT**

5. Emission outside the frequency band
5.1 Test Result and Data
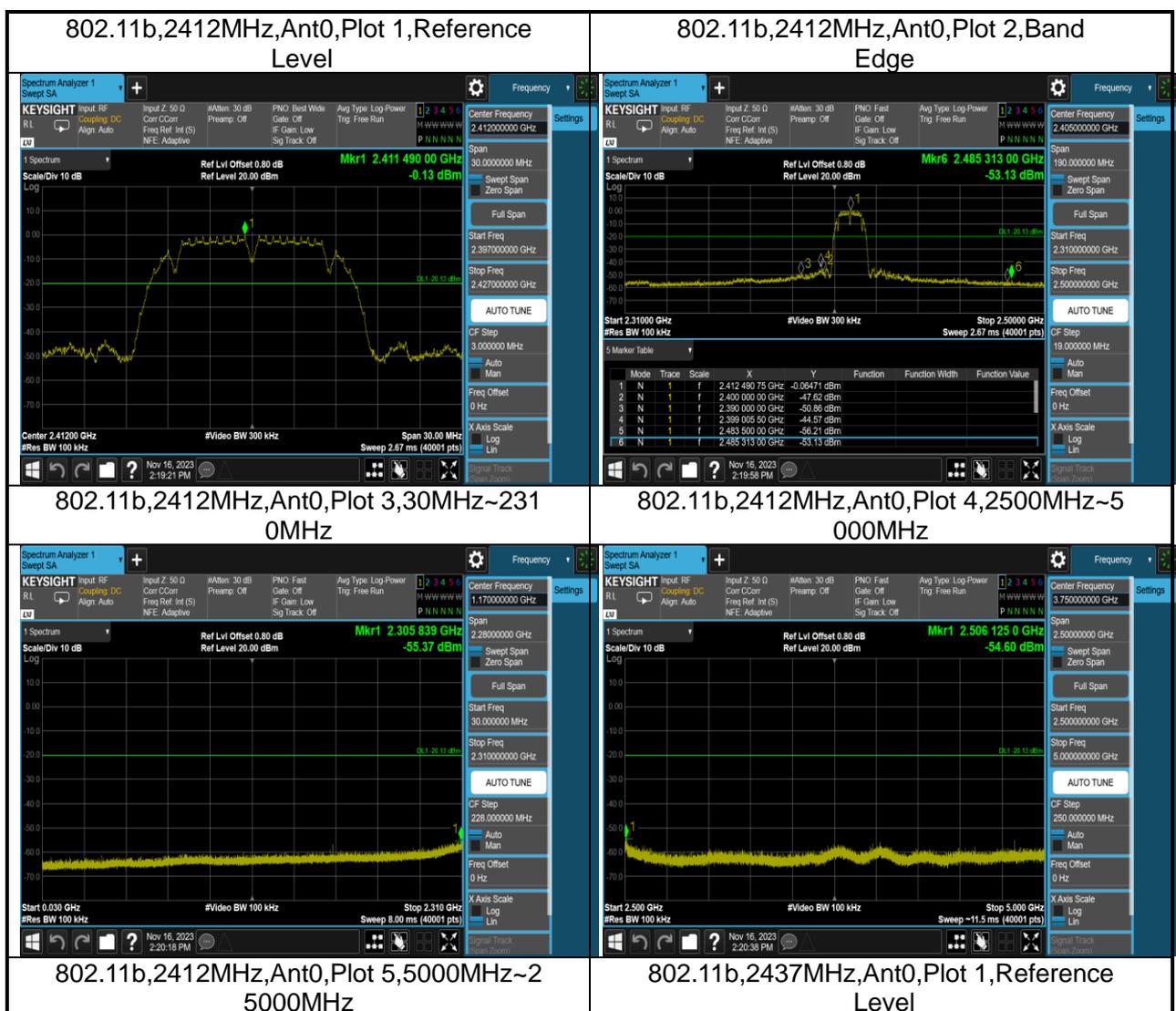
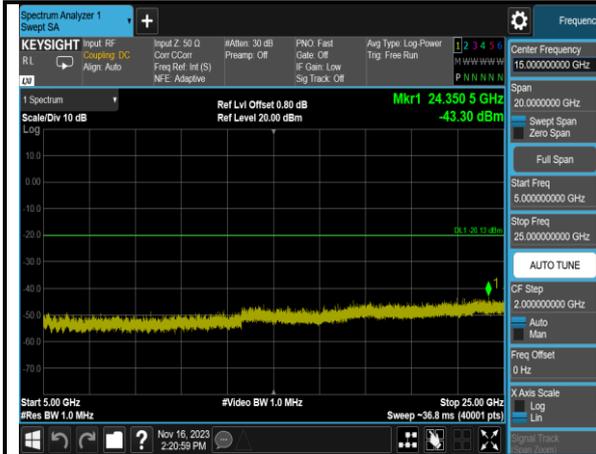| WLAN Transmitter Spurious Emission | | | | | | |
|---|---|---|---|---|---|---|
| Mode | Test Frequency (MHz) | Ant | Plot No. | Frequency Range | Emission (dBm) | Result |
| 802.11b | 2412 | Ant0 | 1 | Reference Level | -0.13 | Pass |
| 802.11b | 2412 | Ant0 | 2 | Band Edge | -44.57 | Pass |
| 802.11b | 2412 | Ant0 | 3 | 30MHz~2310MHz | -55.37 | Pass |
| 802.11b | 2412 | Ant0 | 4 | 2500MHz~5000MHz | -54.60 | Pass |
| 802.11b | 2412 | Ant0 | 5 | 5000MHz~25000MHz | -43.30 | Pass |
| 802.11b | 2437 | Ant0 | 1 | Reference Level | -0.30 | Pass |
| 802.11b | 2437 | Ant0 | 2 | Band Edge | -52.16 | Pass |
| 802.11b | 2437 | Ant0 | 3 | 30MHz~2310MHz | -55.06 | Pass |
| 802.11b | 2437 | Ant0 | 4 | 2500MHz~5000MHz | -54.86 | Pass |
| 802.11b | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -42.55 | Pass |
| 802.11b | 2462 | Ant0 | 1 | Reference Level | -0.33 | Pass |
| 802.11b | 2462 | Ant0 | 2 | Band Edge | -50.38 | Pass |
| 802.11b | 2462 | Ant0 | 3 | 30MHz~2310MHz | -56.41 | Pass |
| 802.11b | 2462 | Ant0 | 4 | 2500MHz~5000MHz | -49.12 | Pass |
| 802.11b | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -43.31 | Pass |
| 802.11g | 2412 | Ant0 | 1 | Reference Level | -1.77 | Pass |
| 802.11g | 2412 | Ant0 | 2 | Band Edge | -42.81 | Pass |
| 802.11g | 2412 | Ant0 | 3 | 30MHz~2310MHz | -55.86 | Pass |
| 802.11g | 2412 | Ant0 | 4 | 2500MHz~5000MHz | -55.76 | Pass |
| 802.11g | 2412 | Ant0 | 5 | 5000MHz~25000MHz | -43.17 | Pass |
| 802.11g | 2437 | Ant0 | 1 | Reference Level | -2.01 | Pass |
| 802.11g | 2437 | Ant0 | 2 | Band Edge | -52.92 | Pass |
| 802.11g | 2437 | Ant0 | 3 | 30MHz~2310MHz | -56.30 | Pass |
| 802.11g | 2437 | Ant0 | 4 | 2500MHz~5000MHz | -55.44 | Pass |
| 802.11g | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -43.15 | Pass |
| 802.11g | 2462 | Ant0 | 1 | Reference Level | -2.01 | Pass |
| 802.11g | 2462 | Ant0 | 2 | Band Edge | -49.39 | Pass |

**TEST REPORT**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 802.11g | 2462 | Ant0 | 3 | 30MHz~2310MHz | -56.53 | Pass |
| 802.11g | 2462 | Ant0 | 4 | 2500MHz~5000MHz | -54.62 | Pass |
| 802.11g | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -42.78 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 1 | Reference Level | -1.98 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 2 | Band Edge | -45.36 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 3 | 30MHz~2310MHz | -54.66 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 4 | 2500MHz~5000MHz | -56.08 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 5 | 5000MHz~25000MHz | -43.28 | Pass |
| 802.11n (HT20) | 2437 | Ant0 | 1 | Reference Level | -1.99 | Pass |
| 802.11n (HT20) | 2437 | Ant0 | 2 | Band Edge | -53.16 | Pass |
| 802.11n (HT20) | 2437 | Ant0 | 3 | 30MHz~2310MHz | -55.93 | Pass |
| 802.11n (HT20) | 2437 | Ant0 | 4 | 2500MHz~5000MHz | -56.24 | Pass |
| 802.11n (HT20) | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -42.76 | Pass |
| 802.11n (HT20) | 2462 | Ant0 | 1 | Reference Level | -2.61 | Pass |
| 802.11n (HT20) | 2462 | Ant0 | 2 | Band Edge | -50.32 | Pass |
| 802.11n (HT20) | 2462 | Ant0 | 3 | 30MHz~2310MHz | -56.75 | Pass |
| 802.11n (HT20) | 2462 | Ant0 | 4 | 2500MHz~5000MHz | -54.00 | Pass |
| 802.11n (HT20) | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -42.65 | Pass |
| 802.11n (HT40) | 2422 | Ant0 | 1 | Reference Level | -4.32 | Pass |
| 802.11n (HT40) | 2422 | Ant0 | 2 | Band Edge | -44.36 | Pass |
| 802.11n (HT40) | 2422 | Ant0 | 3 | 30MHz~2310MHz | -55.37 | Pass |
| 802.11n (HT40) | 2422 | Ant0 | 4 | 2500MHz~5000MHz | -56.07 | Pass |
| 802.11n (HT40) | 2422 | Ant0 | 5 | 5000MHz~25000MHz | -42.90 | Pass |
| 802.11n (HT40) | 2437 | Ant0 | 1 | Reference Level | -4.41 | Pass |
| 802.11n (HT40) | 2437 | Ant0 | 2 | Band Edge | -51.20 | Pass |
| 802.11n (HT40) | 2437 | Ant0 | 3 | 30MHz~2310MHz | -56.13 | Pass |
| 802.11n (HT40) | 2437 | Ant0 | 4 | 2500MHz~5000MHz | -55.16 | Pass |

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## TEST REPORT

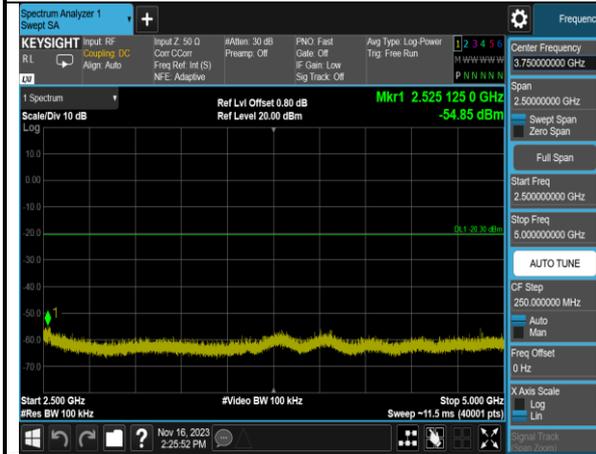| 802.11n (HT40) | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -43.14 | Pass |
|---|---|---|---|---|---|---|
| 802.11n (HT40) | 2452 | Ant0 | 1 | Reference Level | -4.49 | Pass |
| 802.11n (HT40) | 2452 | Ant0 | 2 | Band Edge | -46.71 | Pass |
| 802.11n (HT40) | 2452 | Ant0 | 3 | 30MHz~2310MHz | -56.49 | Pass |
| 802.11n (HT40) | 2452 | Ant0 | 4 | 2500MHz~5000MHz | -55.44 | Pass |
| 802.11n (HT40) | 2452 | Ant0 | 5 | 5000MHz~25000MHz | -42.79 | Pass |

## 5.2 Test plots

| 802.11b,2412MHz,Ant0,Plot 1,Reference Level | 802.11b,2412MHz,Ant0,Plot 2,Band Edge |
|---|---|
|  |  |
| 802.11b,2412MHz,Ant0,Plot 3,30MHz~2310MHz | 802.11b,2412MHz,Ant0,Plot 4,2500MHz~5000MHz |
|  |  |
| 802.11b,2412MHz,Ant0,Plot 5,5000MHz~25000MHz | 802.11b,2437MHz,Ant0,Plot 1,Reference Level |

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## TEST REPORT



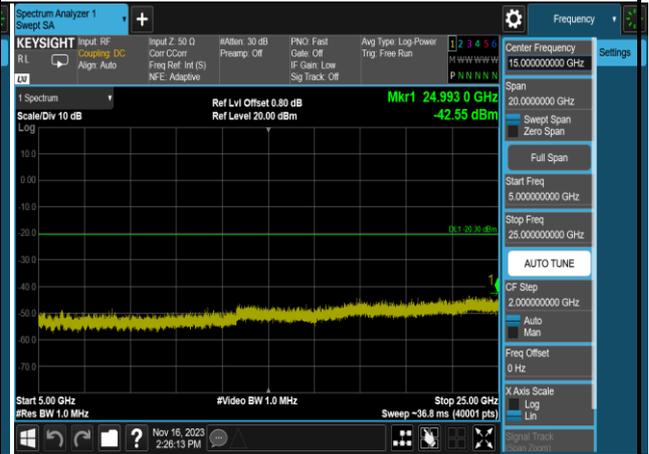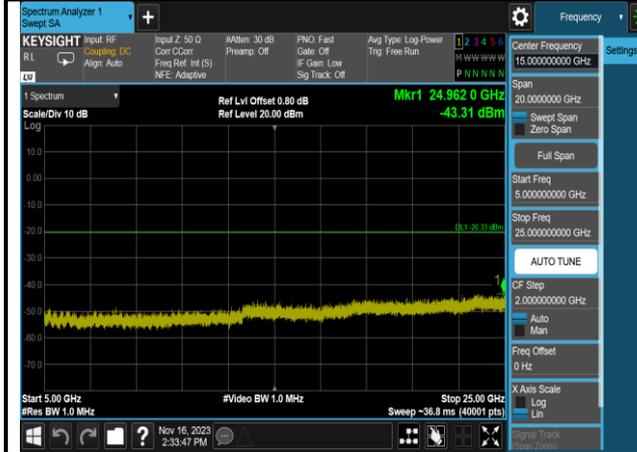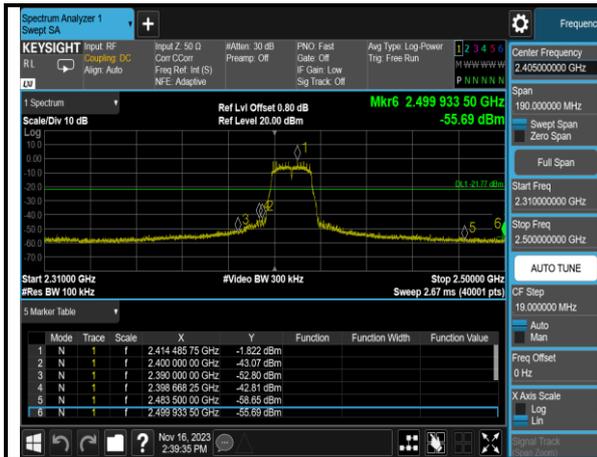| | |
|---|---|
| 802.11b,2437MHz,Ant0,Plot 2,Band Edge | 802.11b,2437MHz,Ant0,Plot 3,30MHz~2310MHz |
| 802.11b,2437MHz,Ant0,Plot 4,2500MHz~5000MHz | 802.11b,2437MHz,Ant0,Plot 5,5000MHz~25000MHz |
| 802.11b,2462MHz,Ant0,Plot 1,Reference Level | 802.11b,2462MHz,Ant0,Plot 2,Band Edge |

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## TEST REPORT



802.11b,2462MHz,Ant0,Plot 3,30MHz~2310MHz



802.11b,2462MHz,Ant0,Plot 4,2500MHz~5000MHz



802.11b,2462MHz,Ant0,Plot 5,5000MHz~25000MHz



802.11g,2412MHz,Ant0,Plot 1,Reference Level
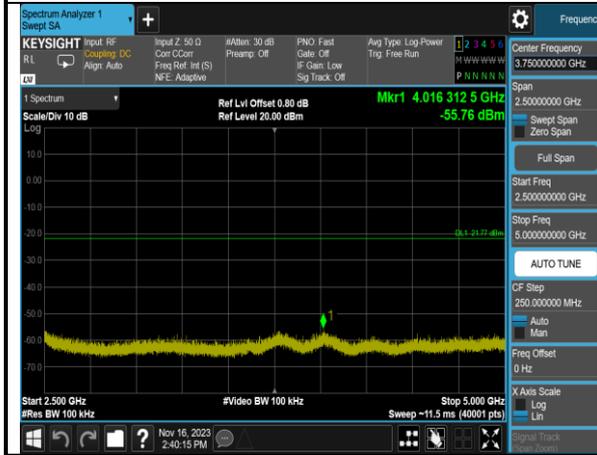


802.11g,2412MHz,Ant0,Plot 2,Band Edge
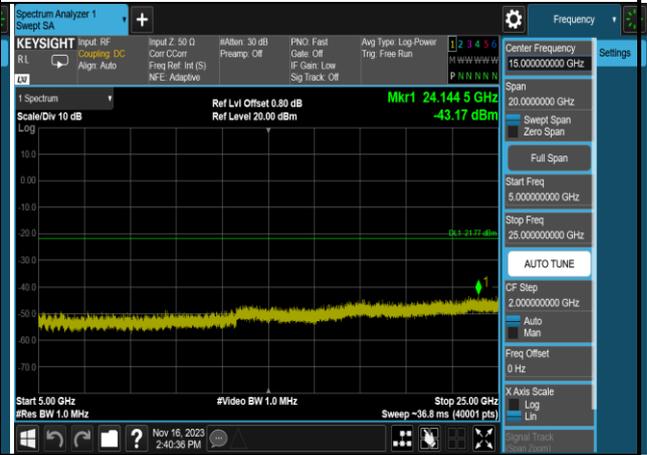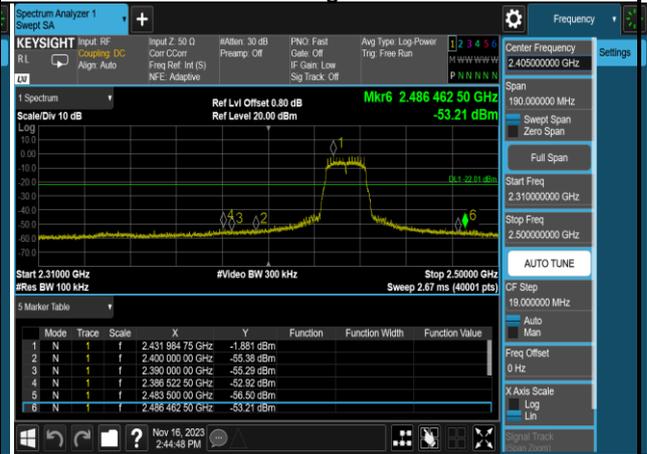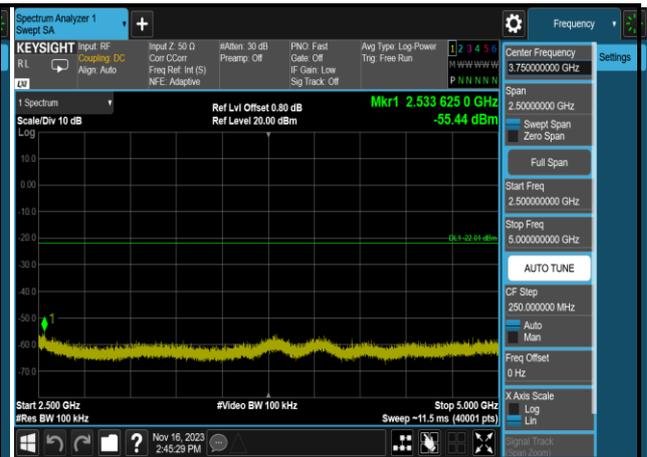


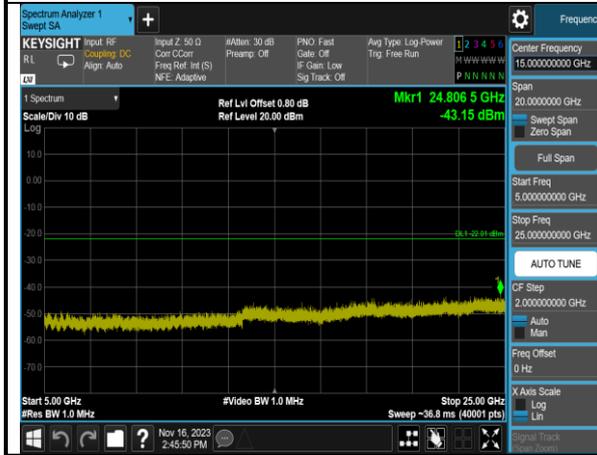802.11g,2412MHz,Ant0,Plot 3,30MHz~2310MHz

**Total Quality. Assured.**

**TEST REPORT**



| 802.11g,2412MHz,Ant0,Plot 4,2500MHz~5000MHz | 802.11g,2412MHz,Ant0,Plot 5,5000MHz~25000MHz |
|---|---|

| 802.11g,2437MHz,Ant0,Plot 1,Reference Level | 802.11g,2437MHz,Ant0,Plot 2,Band Edge |
|---|---|

| 802.11g,2437MHz,Ant0,Plot 3,30MHz~2310MHz | 802.11g,2437MHz,Ant0,Plot 4,2500MHz~5000MHz |
|---|---|

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**Total Quality. Assured.**

## TEST REPORT
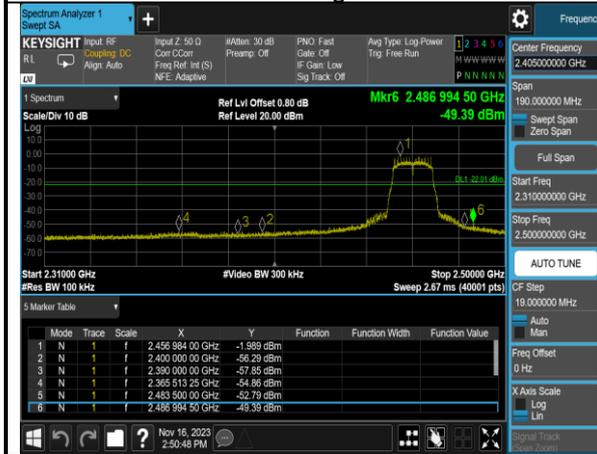


802.11g,2437MHz,Ant0,Plot 5,5000MHz~25000MHz



802.11g,2462MHz,Ant0,Plot 1,Reference Level



802.11g,2462MHz,Ant0,Plot 2,Band Edge
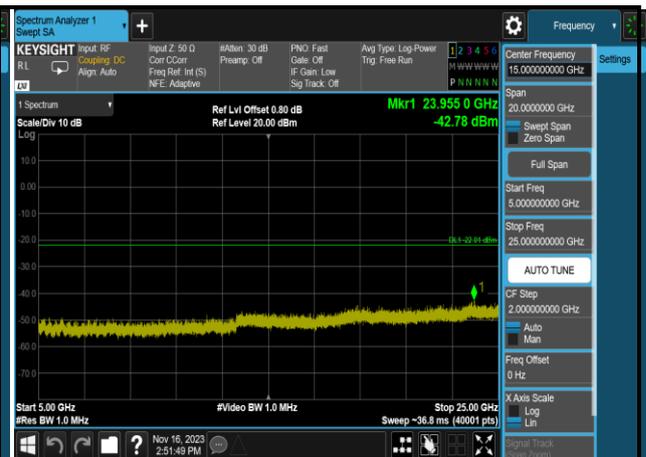


802.11g,2462MHz,Ant0,Plot 3,30MHz~2310MHz



802.11g,2462MHz,Ant0,Plot 4,2500MHz~5000MHz



802.11g,2462MHz,Ant0,Plot 5,5000MHz~25000MHz

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**Total Quality. Assured.**

## TEST REPORT

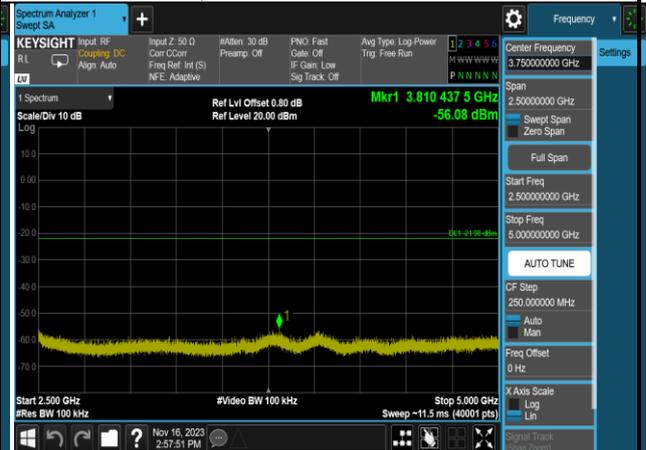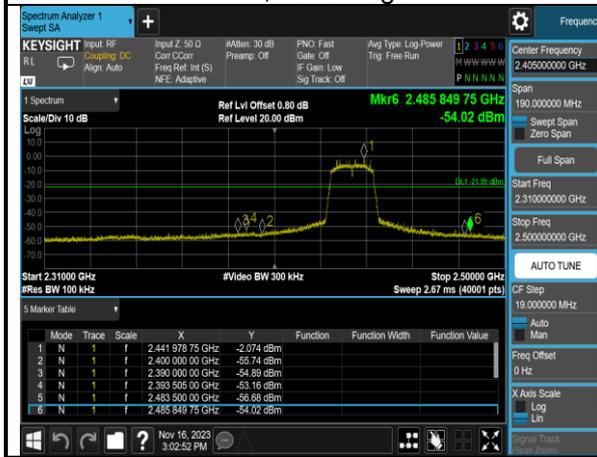| | |
|---|---|
|  |  |
| 802.11n(HT20),2412MHz,Ant0,Plot 1,Reference Level | 802.11n(HT20),2412MHz,Ant0,Plot 2,Band Edge |
|  |  |
| 802.11n(HT20),2412MHz,Ant0,Plot 3,30MHz~2310MHz | 802.11n(HT20),2412MHz,Ant0,Plot 4,2500MHz~5000MHz |
|  |  |
| 802.11n(HT20),2412MHz,Ant0,Plot 5,5000MHz~25000MHz | 802.11n(HT20),2437MHz,Ant0,Plot 1,Reference Level |

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**TEST REPORT**
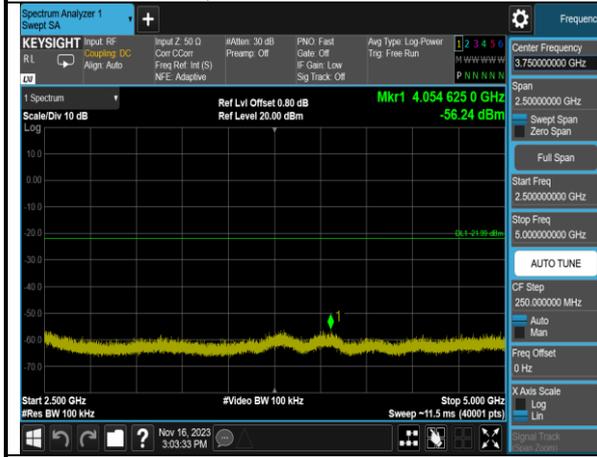


802.11n(HT20),2437MHz,Ant0,Plot 2,Band Edge



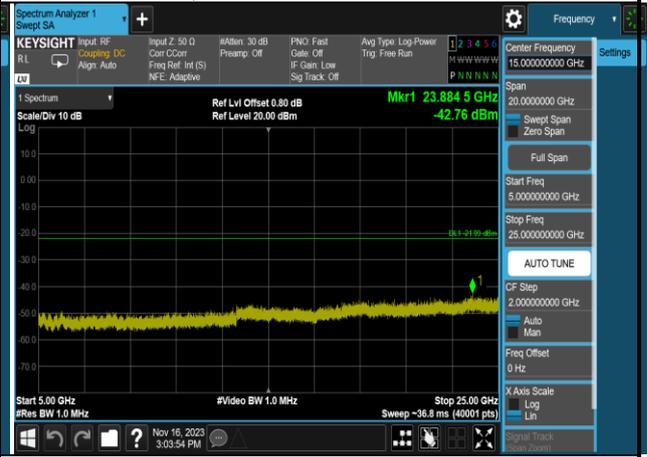802.11n(HT20),2437MHz,Ant0,Plot 3,30MHz~2310MHz



802.11n(HT20),2437MHz,Ant0,Plot 4,2500MHz~5000MHz



802.11n(HT20),2437MHz,Ant0,Plot 5,5000MHz~25000MHz



802.11n(HT20),2462MHz,Ant0,Plot 1,Reference Level

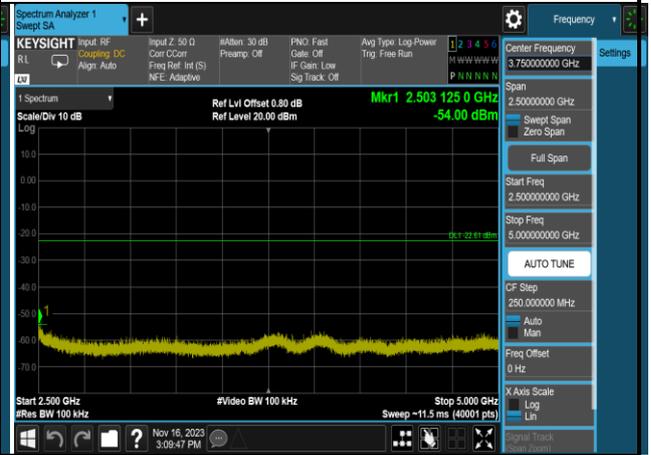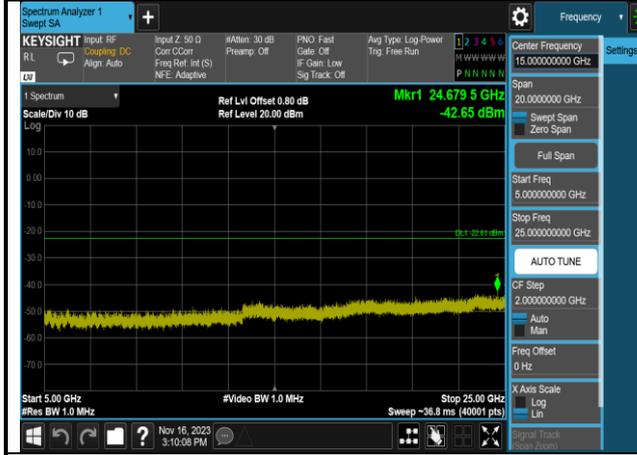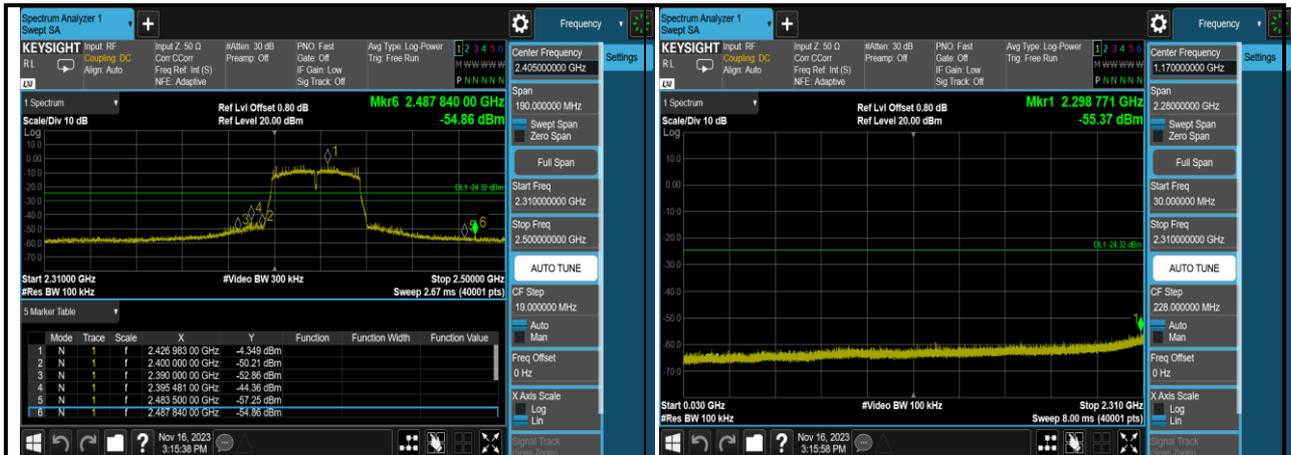

802.11n(HT20),2462MHz,Ant0,Plot 2,Band Edge

**TEST REPORT**



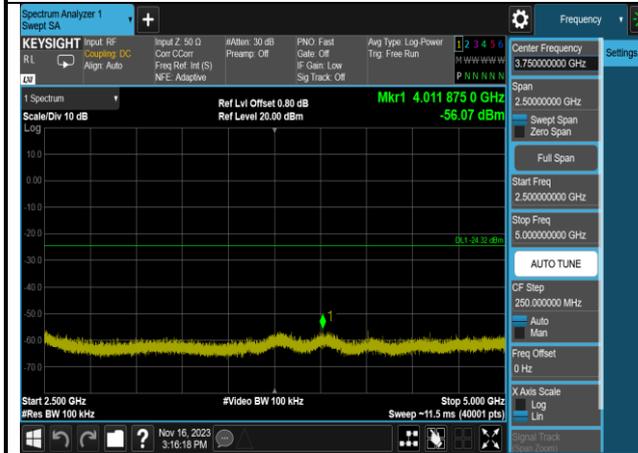| 802.11n(HT20),2462MHz,Ant0,Plot 3,30MHz~2310MHz | 802.11n(HT20),2462MHz,Ant0,Plot 4,2500MHz~5000MHz |
|---|---|
| 802.11n(HT20),2462MHz,Ant0,Plot 5,5000MHz~25000MHz | 802.11n(HT40),2422MHz,Ant0,Plot 1,Reference Level |
| 802.11n(HT40),2422MHz,Ant0,Plot 2,Band Edge | 802.11n(HT40),2422MHz,Ant0,Plot 3,30MHz~2310MHz |

![intertek logo]
**Total Quality. Assured.**

# TEST REPORT



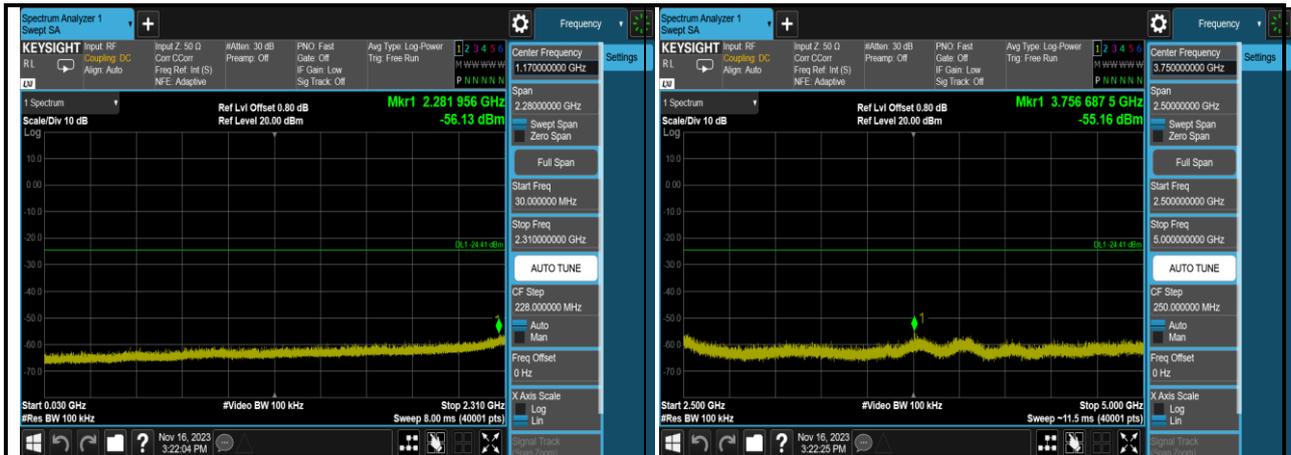| 802.11n(HT40),2422MHz,Ant0,Plot 4,2500MHz~5000MHz | 802.11n(HT40),2422MHz,Ant0,Plot 5,5000MHz~25000MHz |
|---|---|
| 802.11n(HT40),2437MHz,Ant0,Plot 1,Reference Level | 802.11n(HT40),2437MHz,Ant0,Plot 2,Band Edge |
| 802.11n(HT40),2437MHz,Ant0,Plot 3,30MHz~2310MHz | 802.11n(HT40),2437MHz,Ant0,Plot 4,2500MHz~5000MHz |

**TEST REPORT**

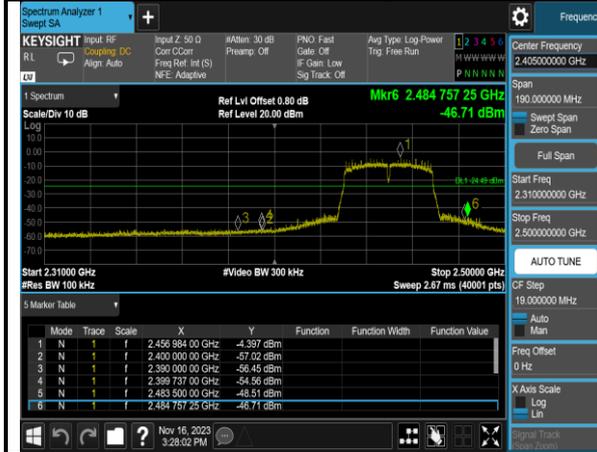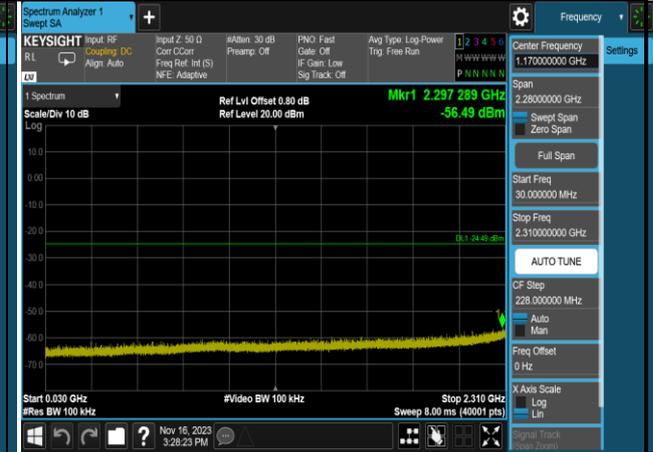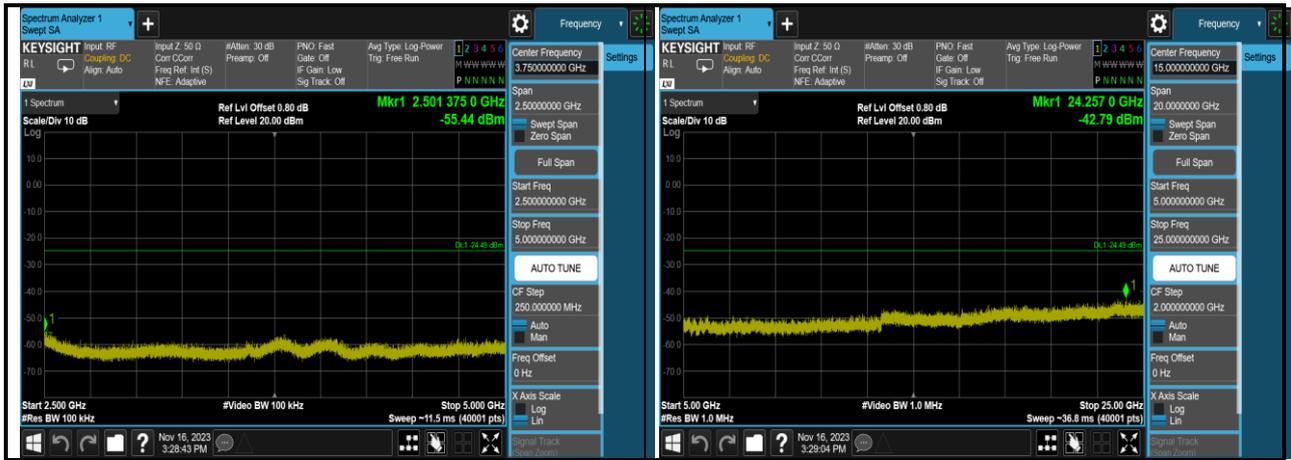| 802.11n(HT40),2437MHz,Ant0,Plot 5,5000MHz~25000MHz | 802.11n(HT40),2452MHz,Ant0,Plot 1,Reference Level |
|---|---|
| 802.11n(HT40),2452MHz,Ant0,Plot 2,Band Edge | 802.11n(HT40),2452MHz,Ant0,Plot 3,30MHz~2310MHz |
| 802.11n(HT40),2452MHz,Ant0,Plot 4,2500MHz~5000MHz | 802.11n(HT40),2452MHz,Ant0,Plot 5,5000MHz~25000MHz |

**TEST REPORT**



\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*