# Effective (Isotropic) Radiated Power Output Data

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Gain (dBi) | E(I)RP(dBm) | Limit(dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | 22.80 | 3 | 25.8 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | 22.21 | 3 | 25.21 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#12 | 22.87 | 3 | 25.87 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#12 | 22.21 | 3 | 25.21 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#24 | 22.78 | 3 | 25.78 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#24 | 21.90 | 3 | 24.9 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | 21.98 | 3 | 24.98 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | 20.97 | 3 | 23.97 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#0 | 22.98 | 3 | 25.98 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0 | 22.25 | 3 | 25.25 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#12 | 22.89 | 3 | 25.89 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#12 | 22.16 | 3 | 25.16 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#24 | 22.87 | 3 | 25.87 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#24 | 22.15 | 3 | 25.15 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | 22.02 | 3 | 25.02 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | 20.93 | 3 | 23.93 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | 23.01 | 3 | 26.01 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | 22.58 | 3 | 25.58 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#12 | 23.23 | 3 | 26.23 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#12 | 22.49 | 3 | 25.49 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#24 | 23.22 | 3 | 26.22 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#24 | 22.56 | 3 | 25.56 | 33.01 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | 22.23 | 3 | 25.23 | 33.01 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | 21.25 | 3 | 24.25 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | 22.84 | 3 | 25.84 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 21.73 | 3 | 24.73 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#24 | 22.88 | 3 | 25.88 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24 | 22.38 | 3 | 25.38 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#49 | 22.98 | 3 | 25.98 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49 | 22.22 | 3 | 25.22 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#0 | 23.00 | 3 | 26 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 21.71 | 3 | 24.71 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#24 | 22.88 | 3 | 25.88 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24 | 22.21 | 3 | 25.21 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#49 | 22.83 | 3 | 25.83 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49 | 22.11 | 3 | 25.11 | 33.01 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | 23.24 | 3 | 26.24 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 22.26 | 3 | 25.26 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#24 | 23.43 | 3 | 26.43 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24 | 22.94 | 3 | 25.94 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#49 | 23.40 | 3 | 26.4 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49 | 22.35 | 3 | 25.35 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | 21.98 | 3 | 24.98 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | 22.08 | 3 | 25.08 | 33.01 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | 22.17 | 3 | 25.17 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | 22.65 | 3 | 25.65 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 21.57 | 3 | 24.57 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#38 | 22.69 | 3 | 25.69 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#38 | 21.71 | 3 | 24.71 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#74 | 22.78 | 3 | 25.78 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74 | 22.20 | 3 | 25.2 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#0 | 23.01 | 3 | 26.01 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 21.88 | 3 | 24.88 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#38 | 22.89 | 3 | 25.89 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#38 | 21.76 | 3 | 24.76 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#74 | 22.81 | 3 | 25.81 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74 | 21.77 | 3 | 24.77 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | 22.95 | 3 | 25.95 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 21.95 | 3 | 24.95 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#38 | 23.05 | 3 | 26.05 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#38 | 22.63 | 3 | 25.63 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#74 | 23.22 | 3 | 26.22 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74 | 22.79 | 3 | 25.79 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | 21.84 | 3 | 24.84 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | 21.93 | 3 | 24.93 | 33.01 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | 22.09 | 3 | 25.09 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | 22.66 | 3 | 25.66 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 22.06 | 3 | 25.06 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#49 | 23.12 | 3 | 26.12 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49 | 22.26 | 3 | 25.26 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#99 | 22.88 | 3 | 25.88 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99 | 22.33 | 3 | 25.33 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#0 | 23.15 | 3 | 26.15 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 22.13 | 3 | 25.13 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#49 | 23.16 | 3 | 26.16 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49 | 22.24 | 3 | 25.24 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#99 | 22.93 | 3 | 25.93 | 33.01 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99 | 22.01 | 3 | 25.01 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | 22.70 | 3 | 25.7 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | 21.40 | 3 | 24.4 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#49 | 23.10 | 3 | 26.1 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49 | 21.72 | 3 | 24.72 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#99 | 23.22 | 3 | 26.22 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99 | 21.84 | 3 | 24.84 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | 21.84 | 3 | 24.84 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | 22.00 | 3 | 25 | 33.01 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | 22.10 | 3 | 25.1 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 27RB#0 | 21.00 | 3 | 24 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 27RB#0 | 21.07 | 3 | 24.07 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 27RB#0 | 21.16 | 3 | 24.16 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 27RB#0 | 20.90 | 3 | 23.9 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 27RB#0 | 21.30 | 3 | 24.3 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 27RB#0 | 21.00 | 3 | 24 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 27RB#0 | 20.79 | 3 | 23.79 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 27RB#0 | 21.26 | 3 | 24.26 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 27RB#0 | 20.81 | 3 | 23.81 | 33.01 | PASS |

# Peak-to-Average Ratio(CCDF)

## Test Result

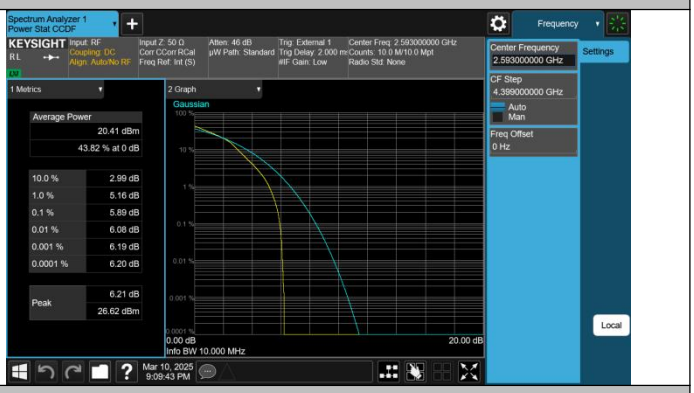
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | 5.31 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | 6.09 | 13 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | 5.20 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 27RB#0 | 5.89 | 13 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | 5.39 | 13 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 27RB#0 | 5.83 | 13 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | 5.11 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 27RB#0 | 5.80 | 13 | PASS |

## Test Graphs

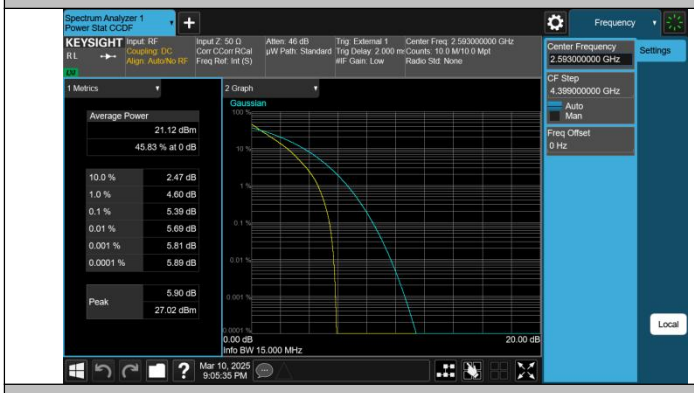
Band41-5MHz-QPSK-40620-25RB#0-PASS

Band41-5MHz-16QAM-40620-25RB#0-PASS

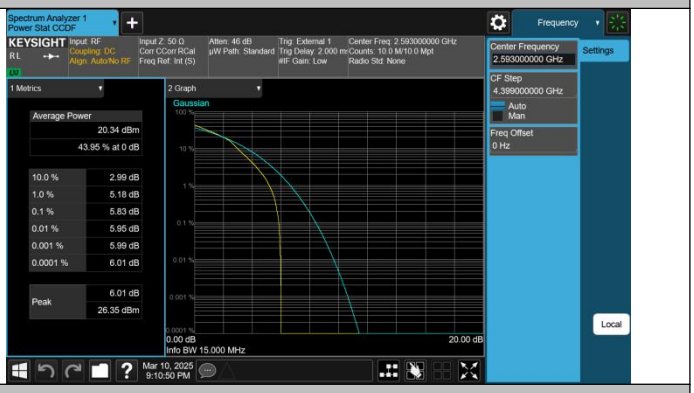
Band41-10MHz-QPSK-40620-50RB#0-PASS




Band41-10MHz-16QAM-40620-27RB#0-PASS

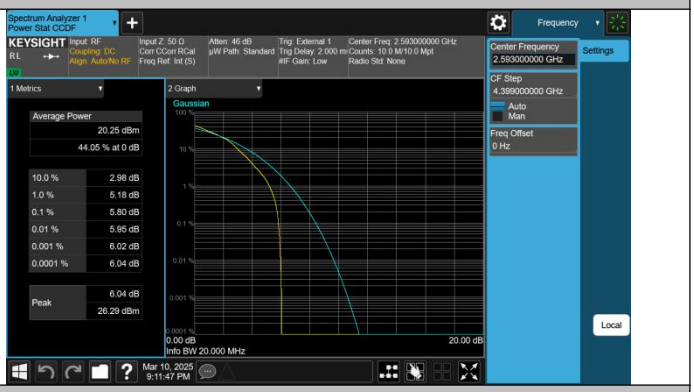



Band41-15MHz-QPSK-40620-75RB#0-PASS




Band41-15MHz-16QAM-40620-27RB#0-PASS

Band41-20MHz-QPSK-40620-100RB#0-PASS




Band41-20MHz-16QAM-40620-27RB#0-PASS

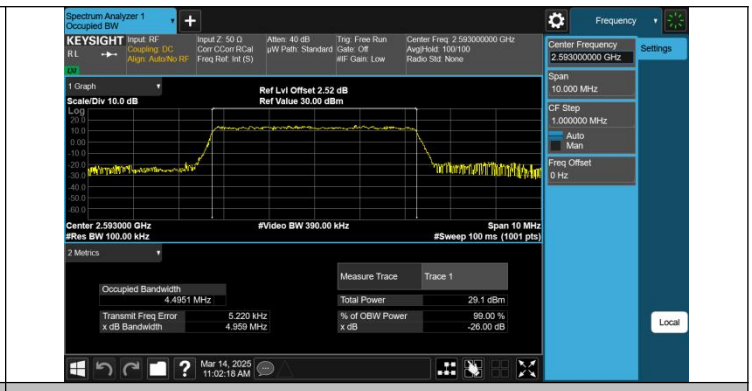
# 26dB Bandwidth and Occupied Bandwidth

## Test Result

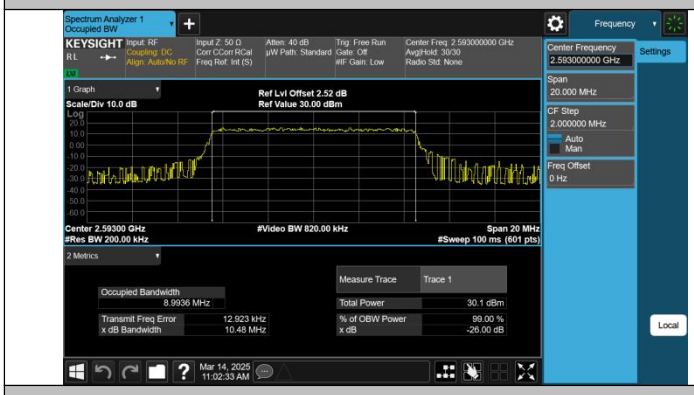
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | 4.4945 | 4.977 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | 4.4951 | 4.959 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | 8.9936 | 10.48 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 27RB#0 | 4.9773 | 6.030 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | 13.433 | 14.81 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 27RB#0 | 5.0550 | 6.271 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | 17.955 | 19.42 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 27RB#0 | 5.3118 | 7.416 | PASS |

## Test Graphs

Band41-5MHz-QPSK-40620-25RB#0-PASS




Band41-5MHz-16QAM-40620-25RB#0-PASS

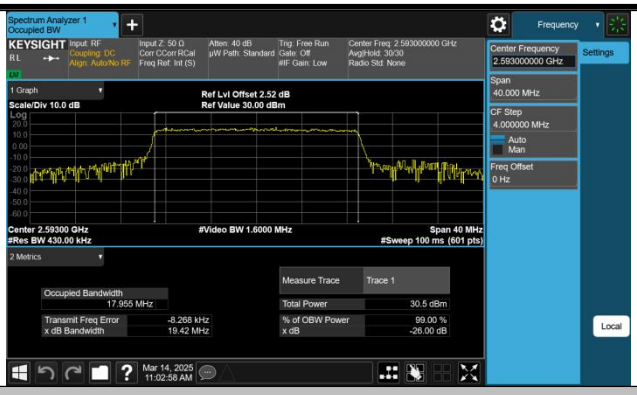



Band41-10MHz-QPSK-40620-50RB#0-PASS

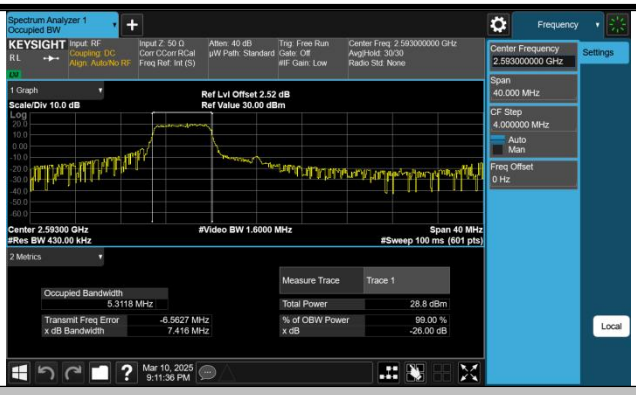
Band41-10MHz-16QAM-40620-27RB#0-PASS

Band41-15MHz-QPSK-40620-75RB#0-PASS

Band41-15MHz-16QAM-40620-27RB#0-PASS




Band41-20MHz-QPSK-40620-100RB#0-PASS




Band41-20MHz-16QAM-40620-27RB#0-PASS