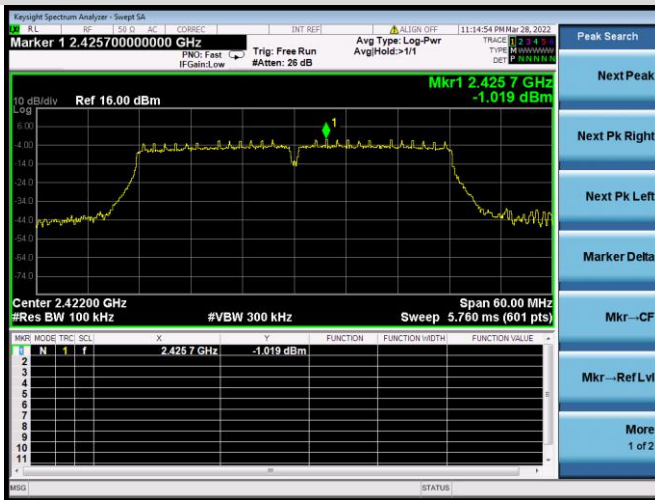
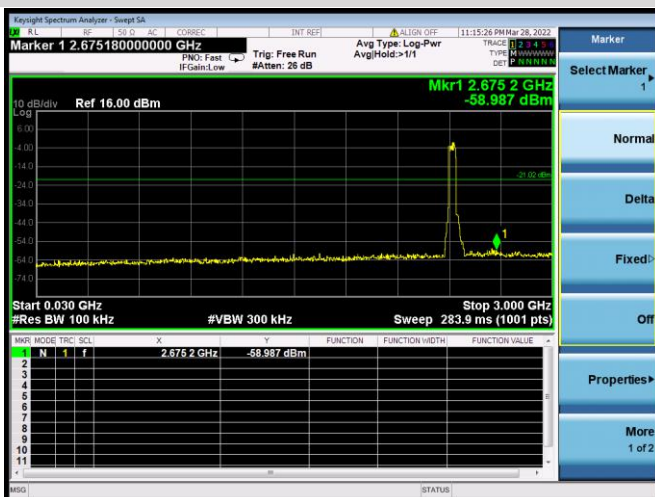


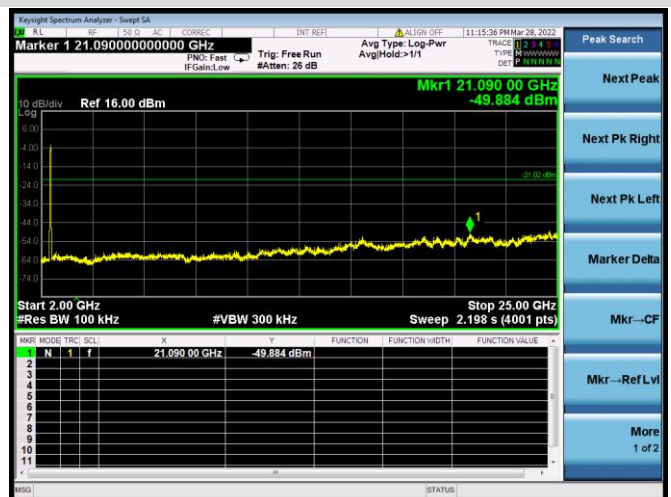
802.11n-40 MHz CHANNEL 3 CARRIER LEVEL



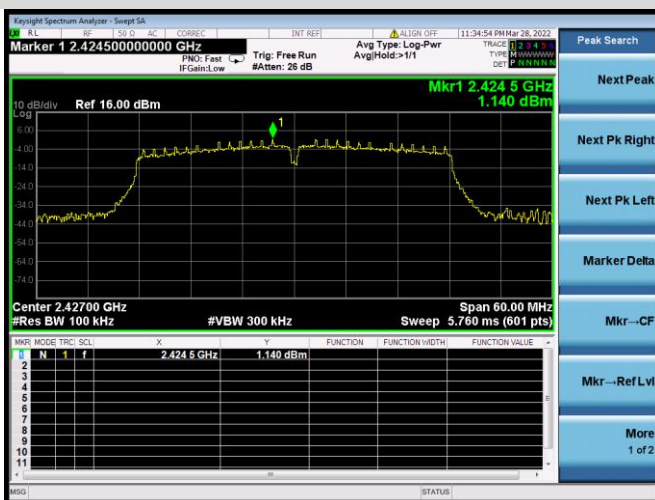
802.11n-40 MHz CHANNEL 3, SPURIOUS
30 MHz ~ 3 GHz



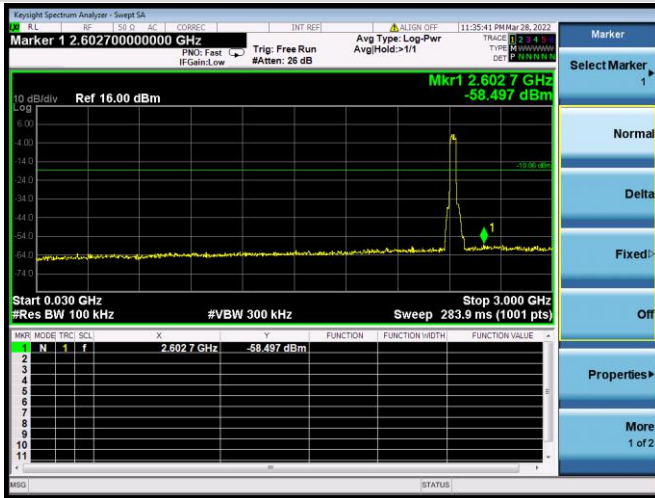
802.11n-40 MHz CHANNEL 3, SPURIOUS
2 GHz ~ 25 GHz



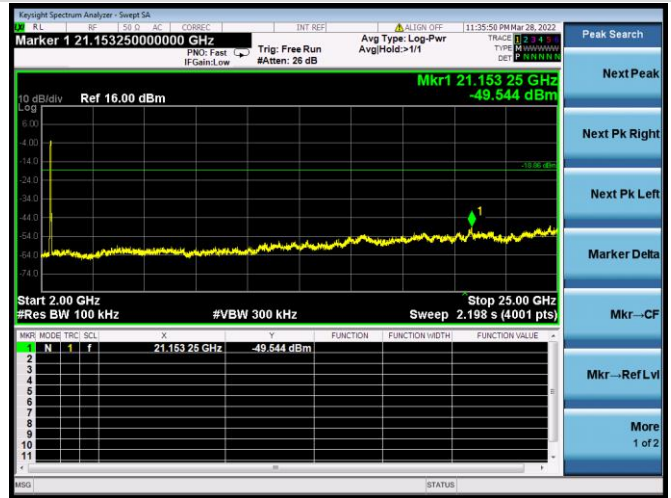
802.11n-40 MHz CHANNEL 4 CARRIER LEVEL



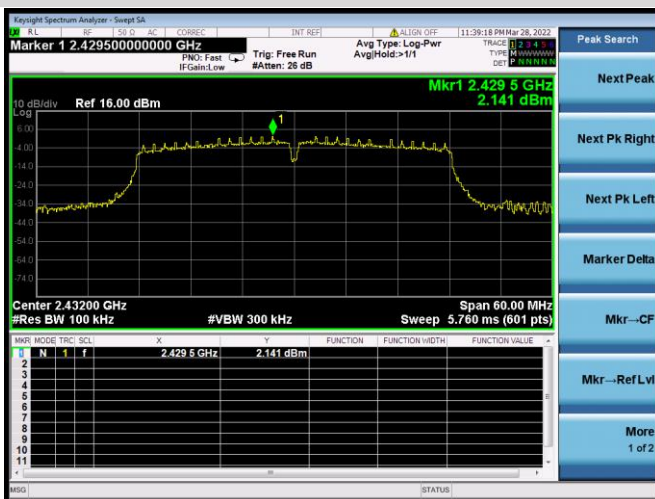
802.11n-40 MHz CHANNEL 4, SPURIOUS
30 MHz ~ 3 GHz



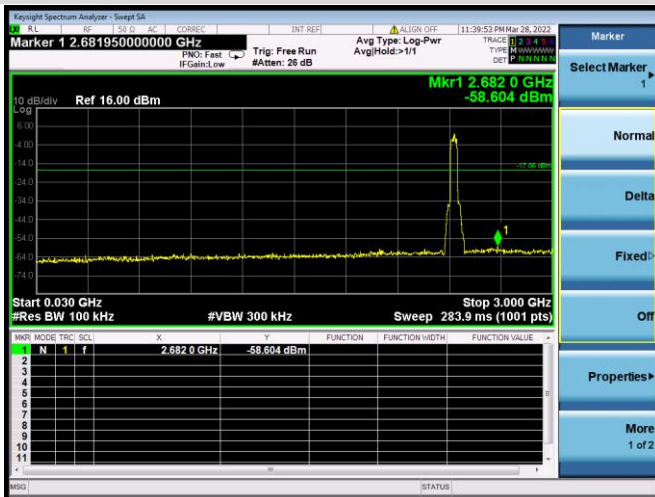
802.11n-40 MHz CHANNEL 4, SPURIOUS
2 GHz ~ 25 GHz



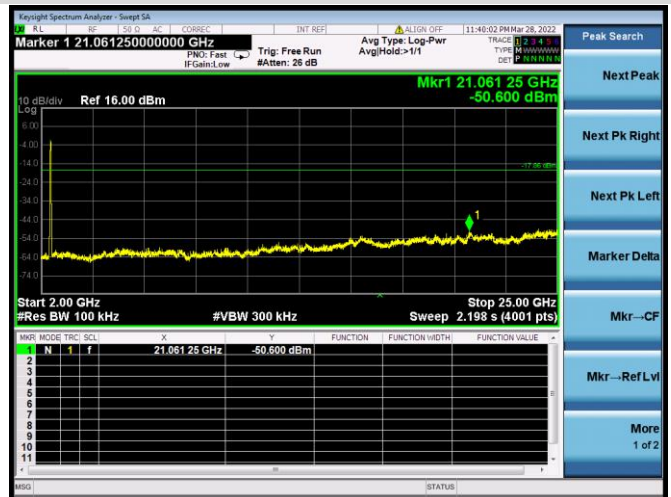
802.11n-40 MHz CHANNEL 5 CARRIER LEVEL



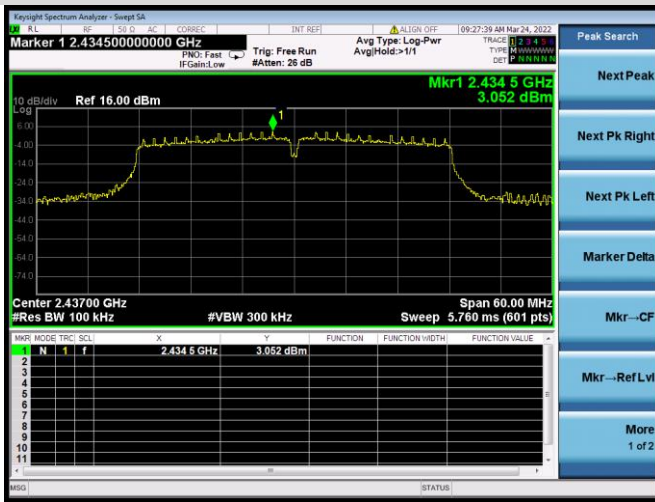
802.11n-40 MHz CHANNEL 5, SPURIOUS
30 MHz ~ 3 GHz



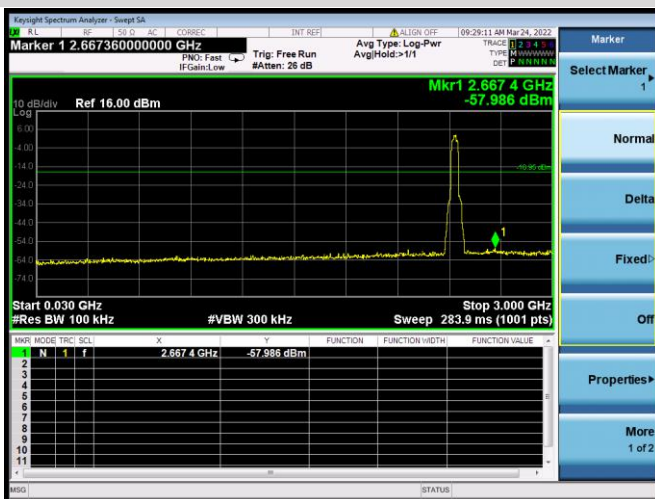
802.11n-40 MHz CHANNEL 5, SPURIOUS
2 GHz ~ 25 GHz



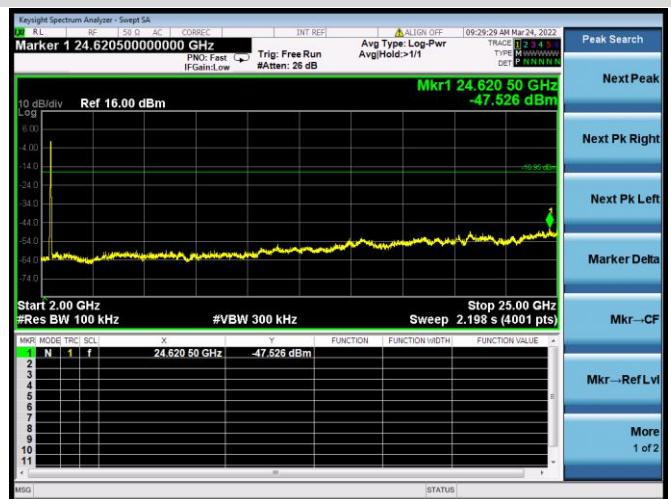
802.11n-40 MHz CHANNEL 6 CARRIER LEVEL



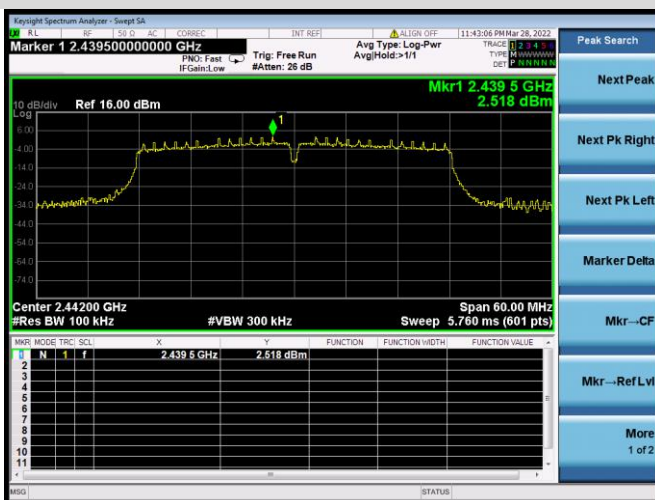
802.11n-40 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



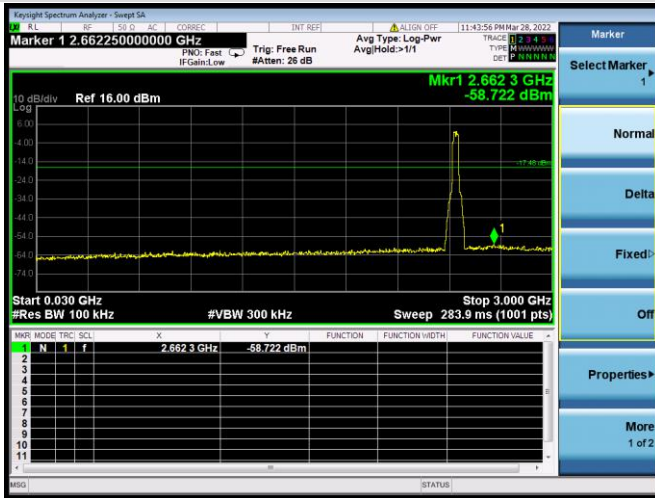
802.11n-40 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



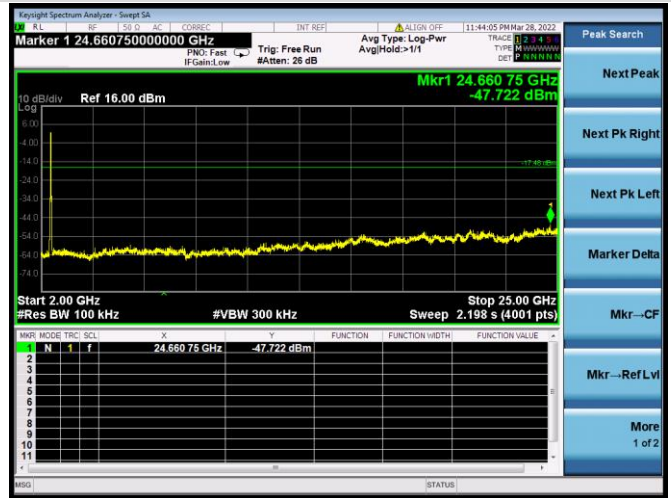
802.11n-40 MHz CHANNEL 7 CARRIER LEVEL



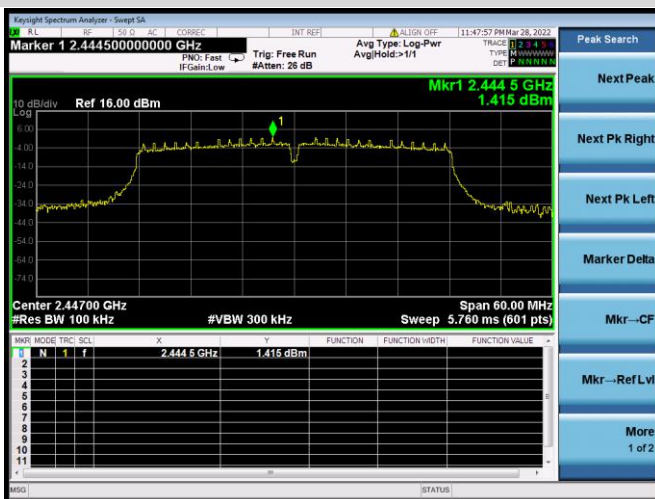
802.11n-40 MHz CHANNEL 7, SPURIOUS
30 MHz ~ 3 GHz



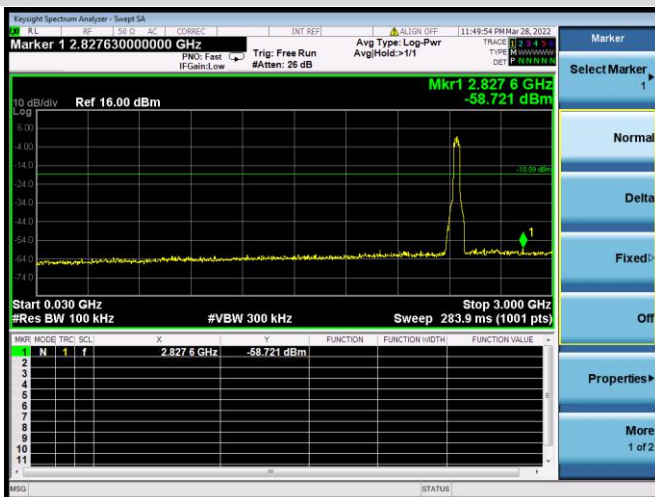
802.11n-40 MHz CHANNEL 7, SPURIOUS
2 GHz ~ 25 GHz



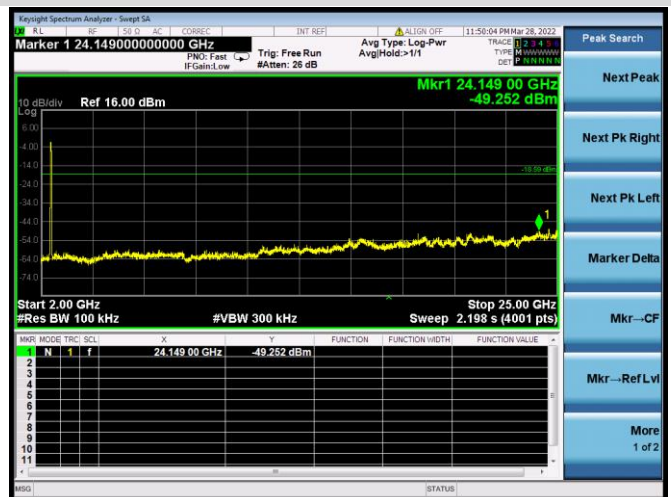
802.11n-40 MHz CHANNEL 8 CARRIER LEVEL



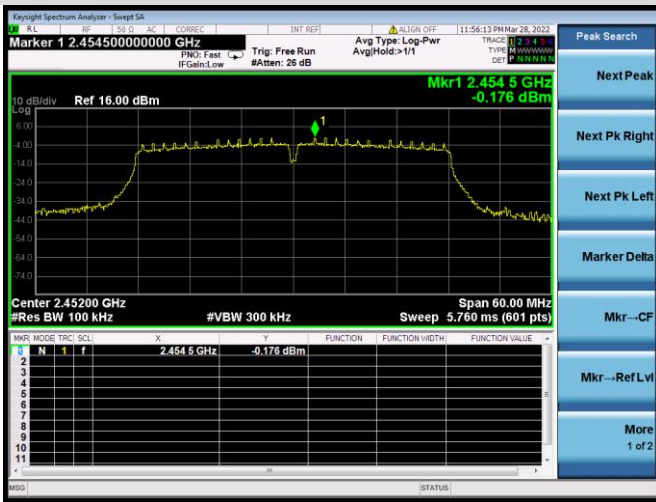
802.11n-40 MHz CHANNEL 8, SPURIOUS
30 MHz ~ 3 GHz



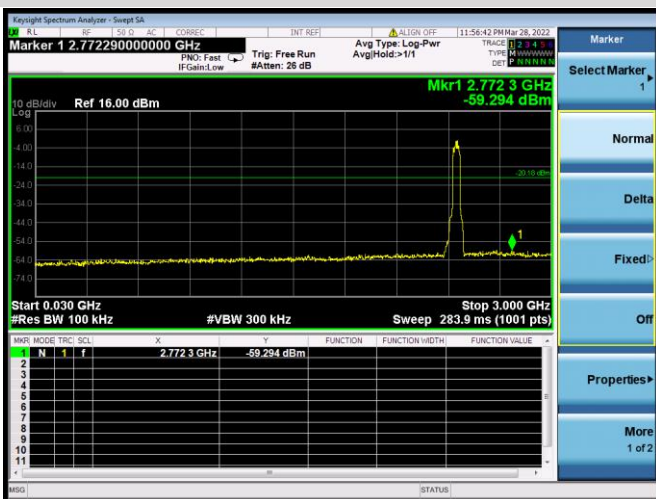
802.11n-40 MHz CHANNEL 8, SPURIOUS
2 GHz ~ 25 GHz



802.11n-40 MHz CHANNEL 9 CARRIER LEVEL



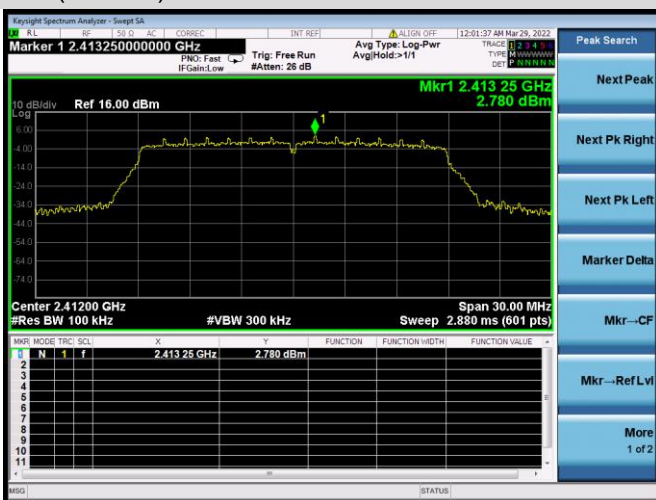
802.11n-40 MHz CHANNEL 9, SPURIOUS
30 MHz ~ 3 GHz



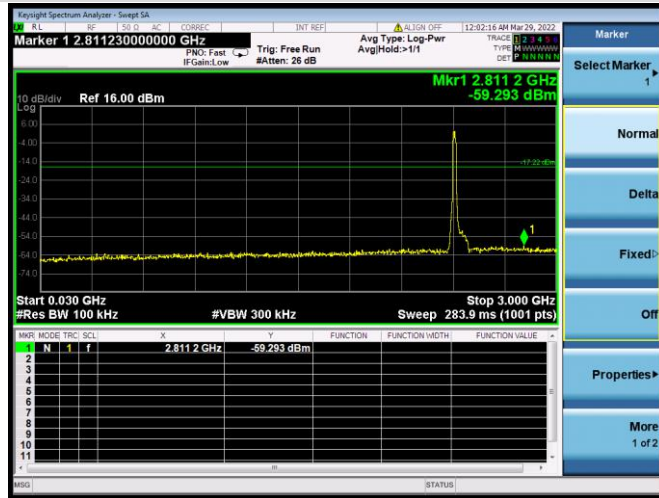
802.11n-40 MHz CHANNEL 9, SPURIOUS
2 GHz ~ 25 GHz



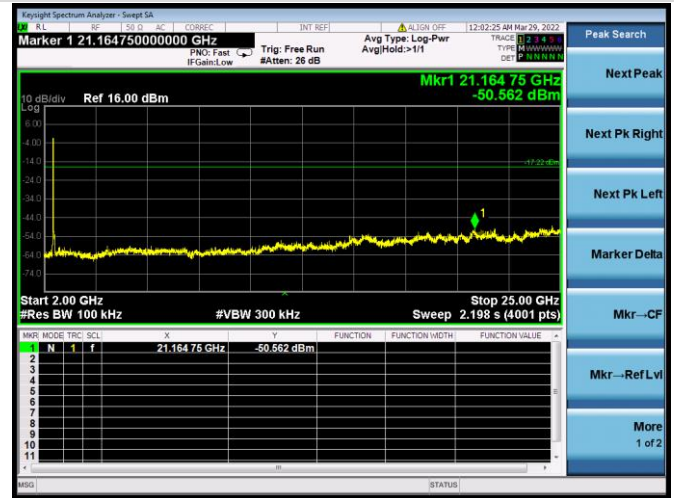
VHT(20 MHz) CHANNEL 1 CARRIER LEVEL



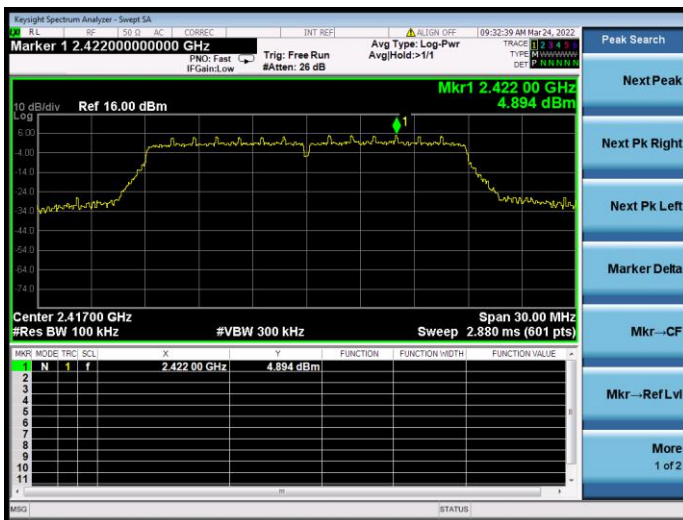
VHT(20 MHz) CHANNEL 1, SPURIOUS
30 MHz ~ 3 GHz



VHT(20 MHz) CHANNEL 1, SPURIOUS
2 GHz ~ 25 GHz

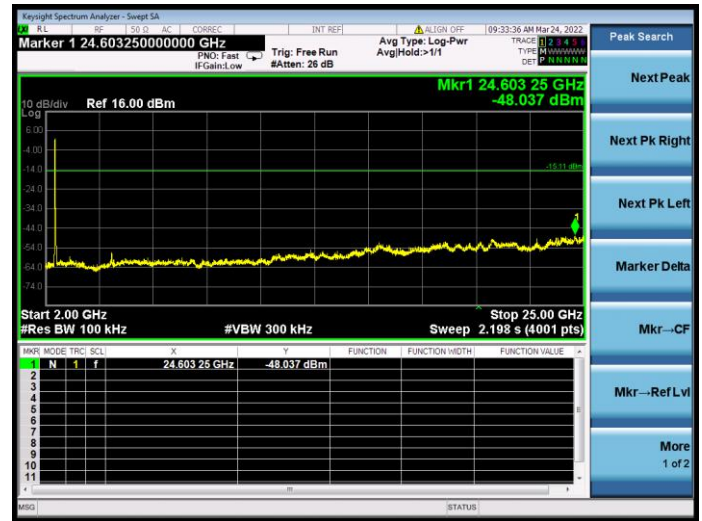
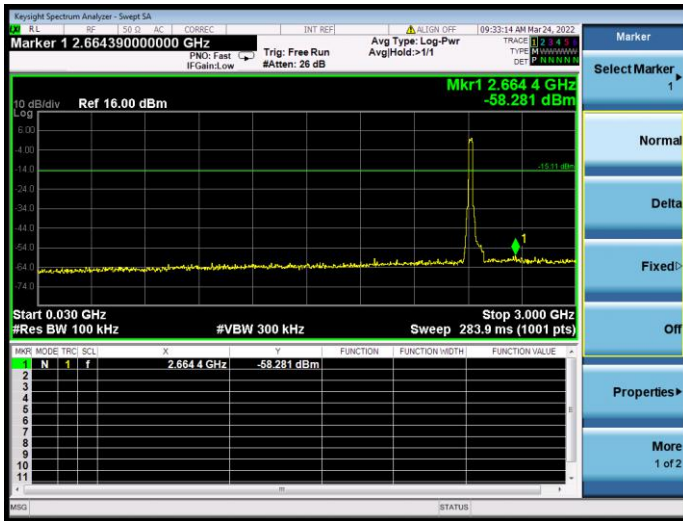


VHT(20 MHz) CHANNEL 2 CARRIER LEVEL

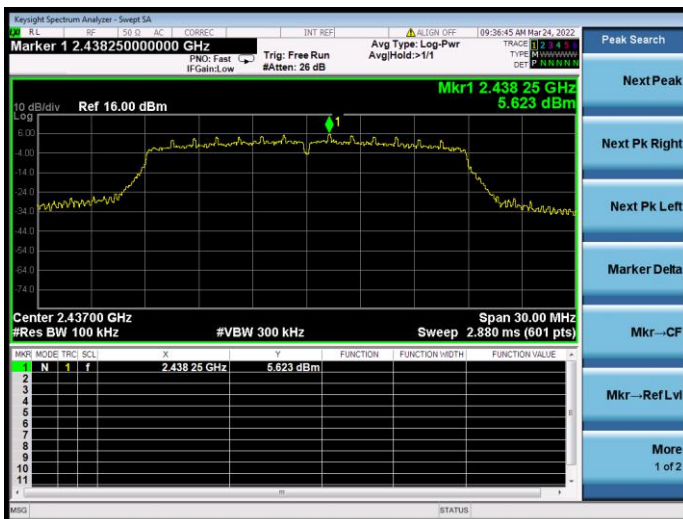


VHT(20 MHz) CHANNEL 2, SPURIOUS 30 MHz ~ 3 GHz

VHT(20 MHz) CHANNEL 2, SPURIOUS
2 GHz ~ 25 GHz

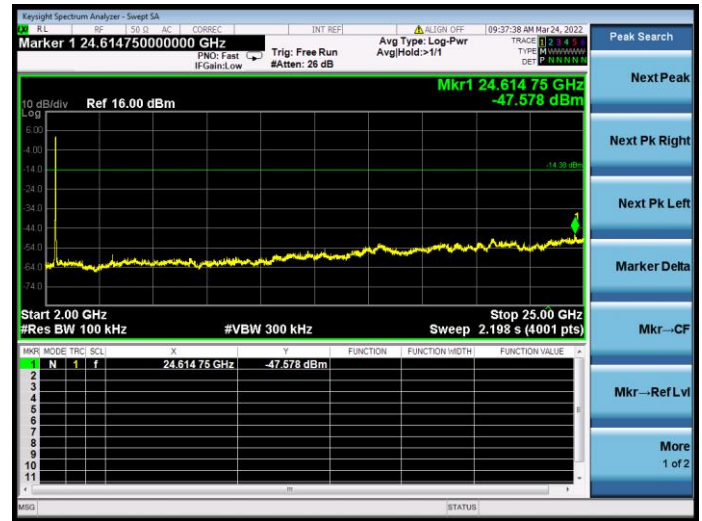
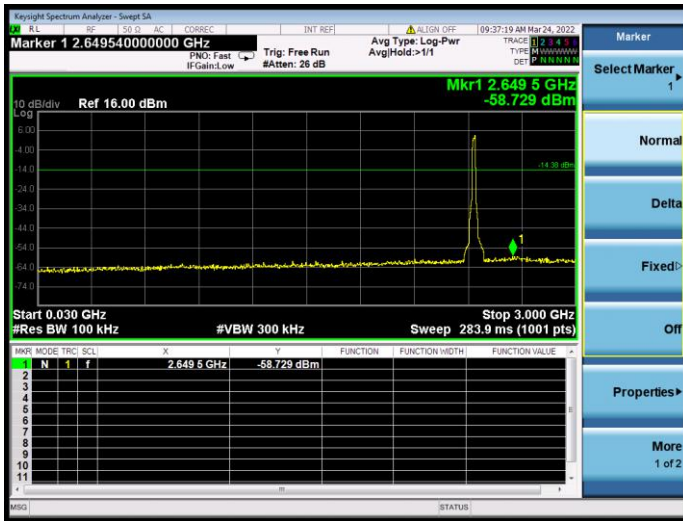


VHT(20 MHz) CHANNEL 6 CARRIER LEVEL



VHT(20 MHz) CHANNEL 6, SPURIOUS
30 MHz ~ 3 GHz

VHT(20 MHz) CHANNEL 6, SPURIOUS
2 GHz ~ 25 GHz

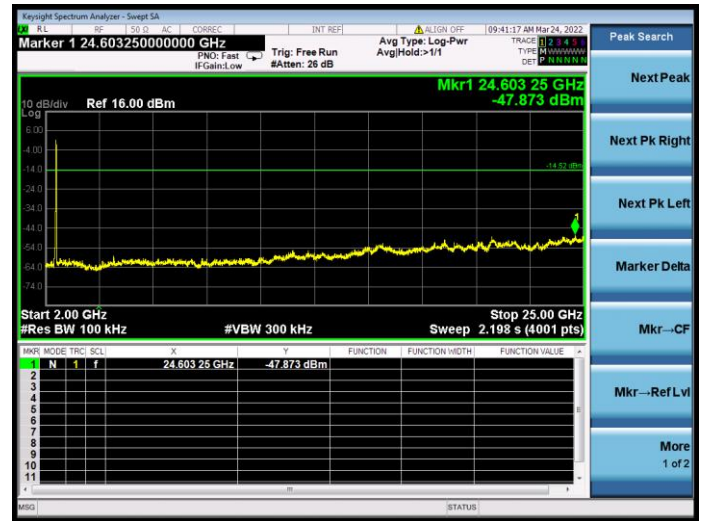
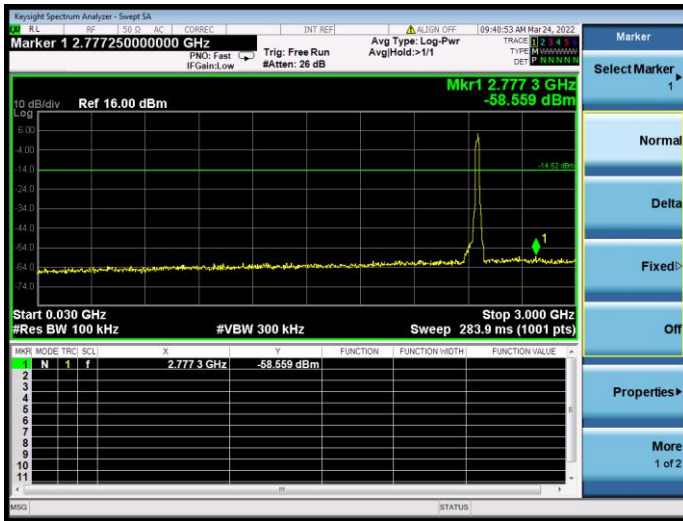


VHT(20 MHz) CHANNEL 10 CARRIER LEVEL

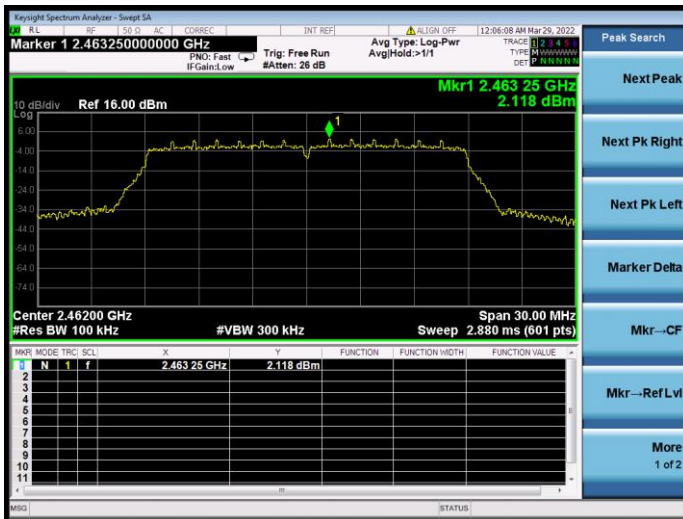


VHT(20 MHz) CHANNEL 10, SPURIOUS
30 MHz ~ 3 GHz

VHT(20 MHz) CHANNEL 10, SPURIOUS
2 GHz ~ 25 GHz

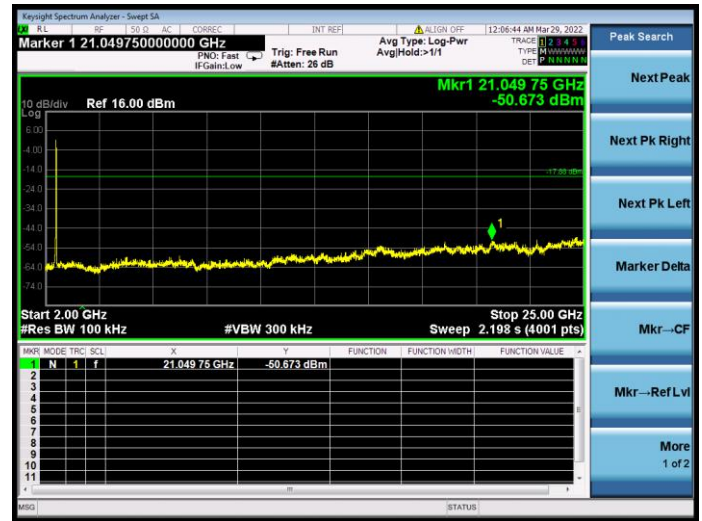
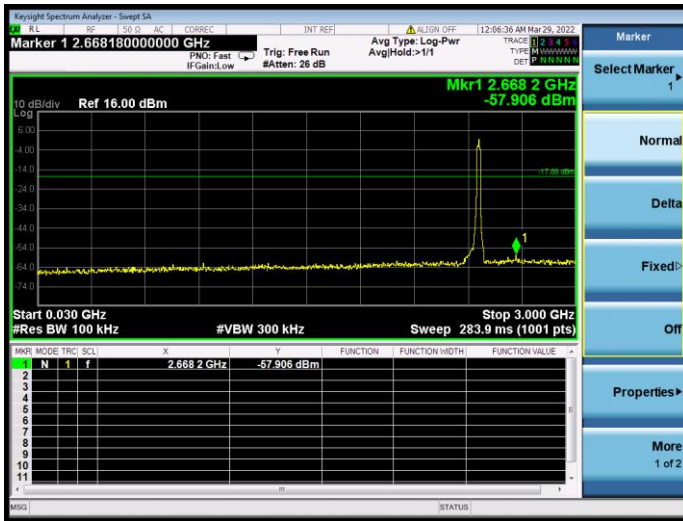


VHT(20 MHz) CHANNEL 11 CARRIER LEVEL

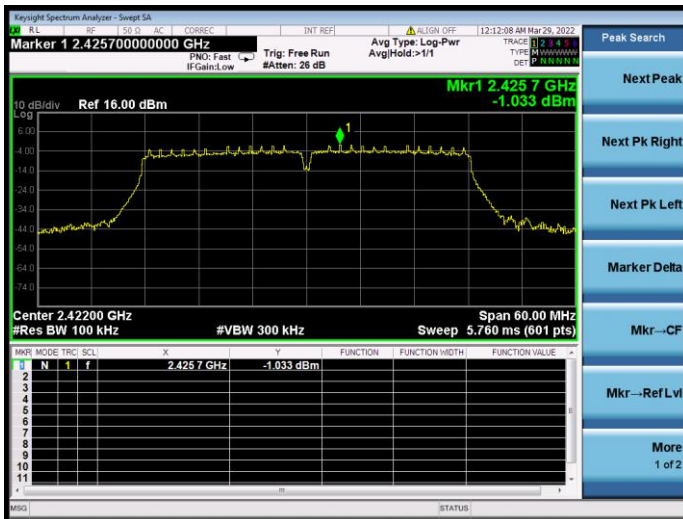


VHT(20 MHz) CHANNEL 11, SPURIOUS
30 MHz ~ 3 GHz

VHT(20 MHz) CHANNEL 11, SPURIOUS
2 GHz ~ 25 GHz

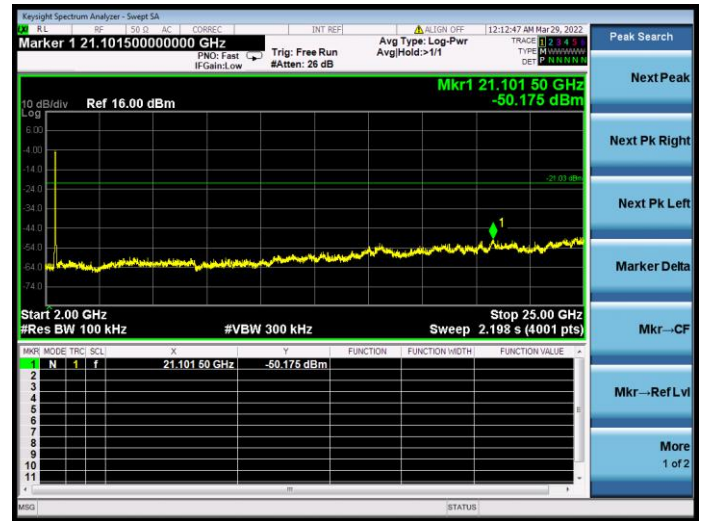
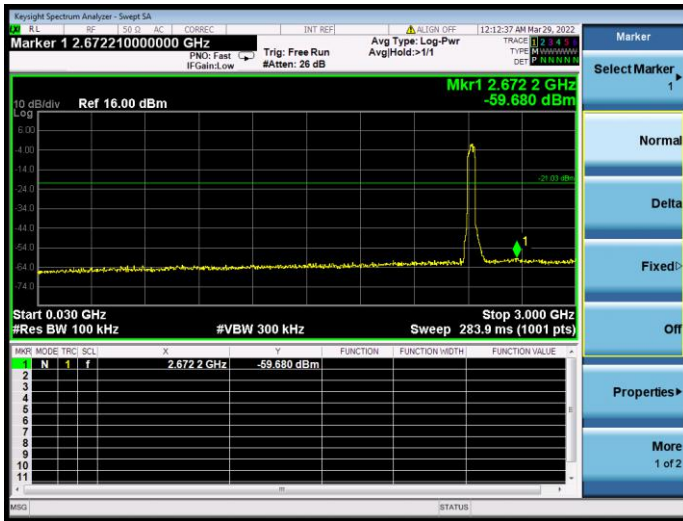


VHT(40 MHz) CHANNEL 3 CARRIER LEVEL

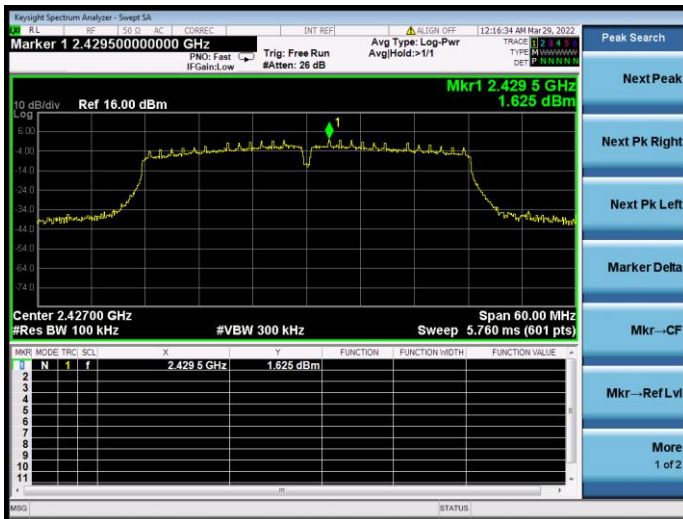


VHT(40 MHz) CHANNEL 3 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 3 CARRIER, SPURIOUS
2 GHz ~ 25 GHz

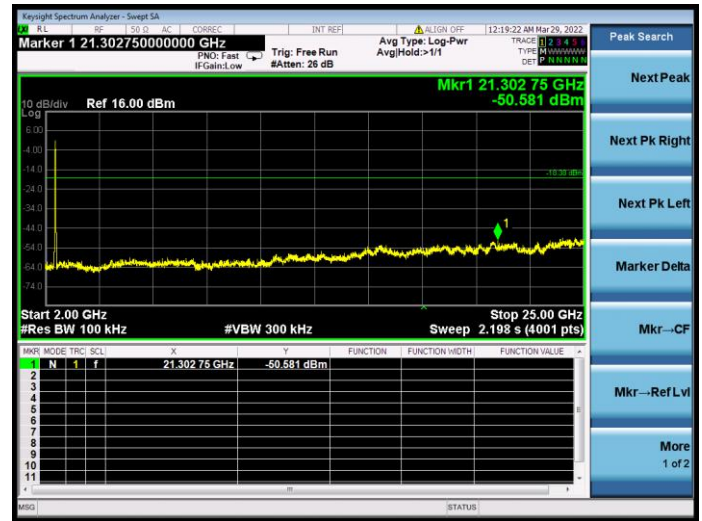
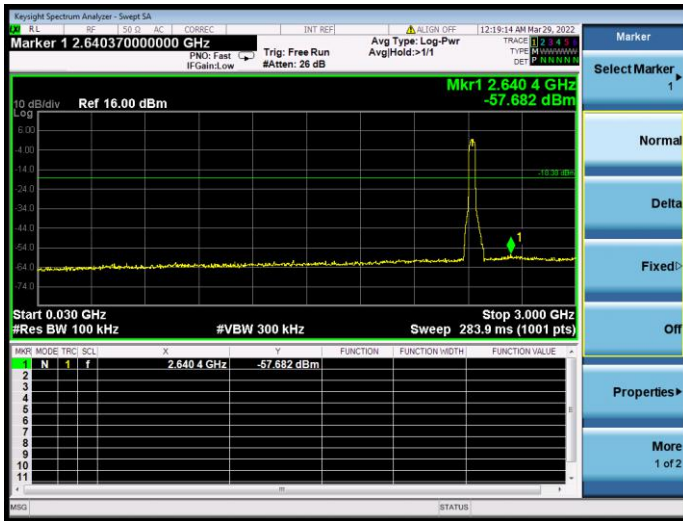


VHT(40 MHz) CHANNEL 4 CARRIER LEVEL

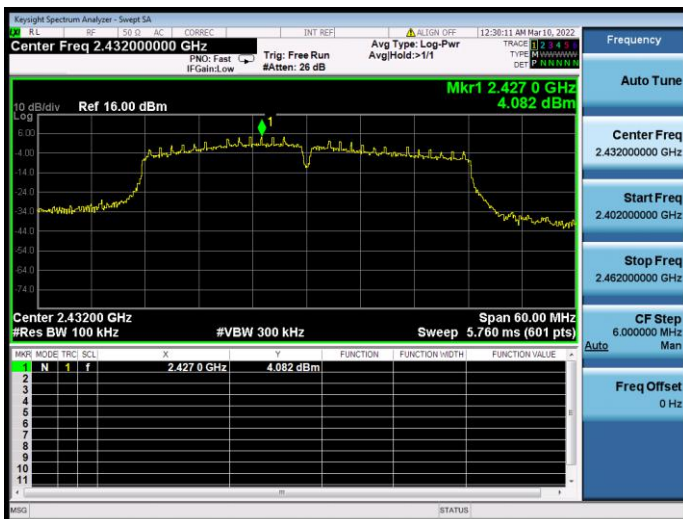


VHT(40 MHz) CHANNEL 4 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 4 CARRIER, SPURIOUS
2 GHz ~ 25 GHz



VHT(40 MHz) CHANNEL 5 CARRIER LEVEL



Frequency

Auto Tune

Center Freq
2.432000000 GHz

Start Freq
2.402000000 GHz

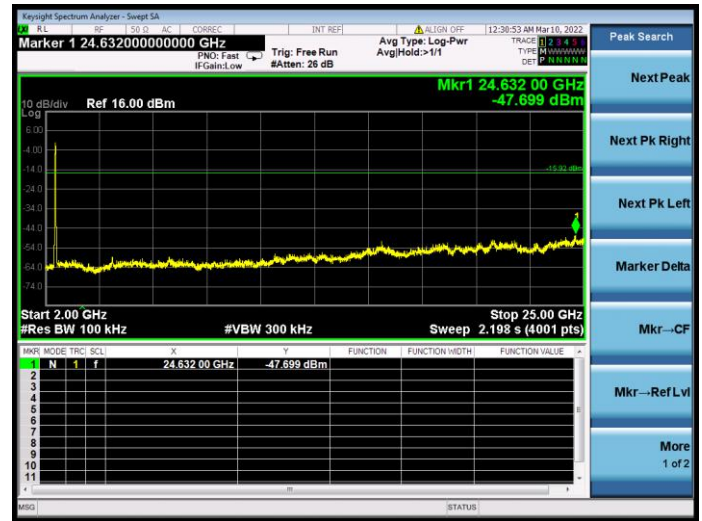
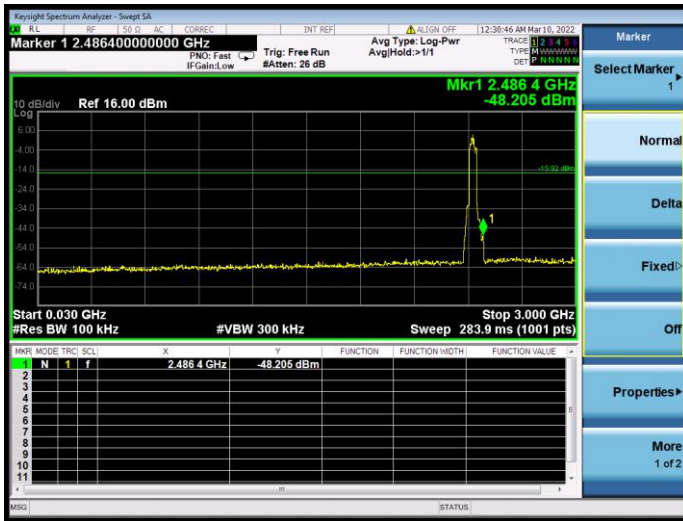
Stop Freq
2.462000000 GHz

CF Step
6.000000 MHz
Man

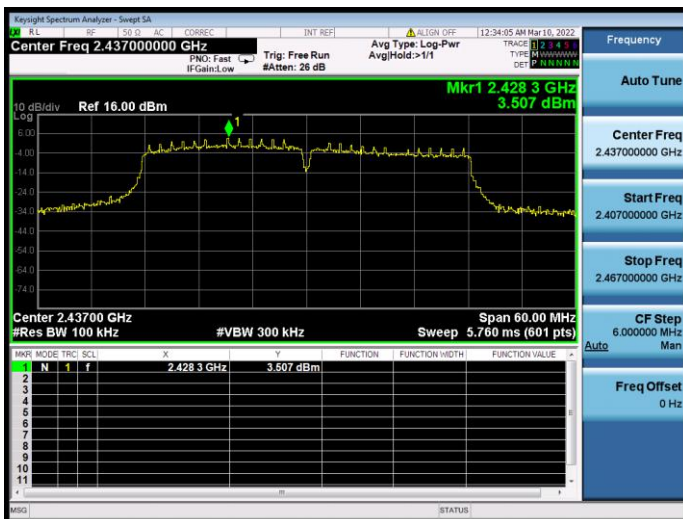
Freq Offset
0 Hz

VHT(40 MHz) CHANNEL 5 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 5 CARRIER, SPURIOUS
2 GHz ~ 25 GHz



VHT(40 MHz) CHANNEL 6 CARRIER LEVEL



Frequency

Auto Tune

Center Freq
2.437000000 GHz

Start Freq
2.407000000 GHz

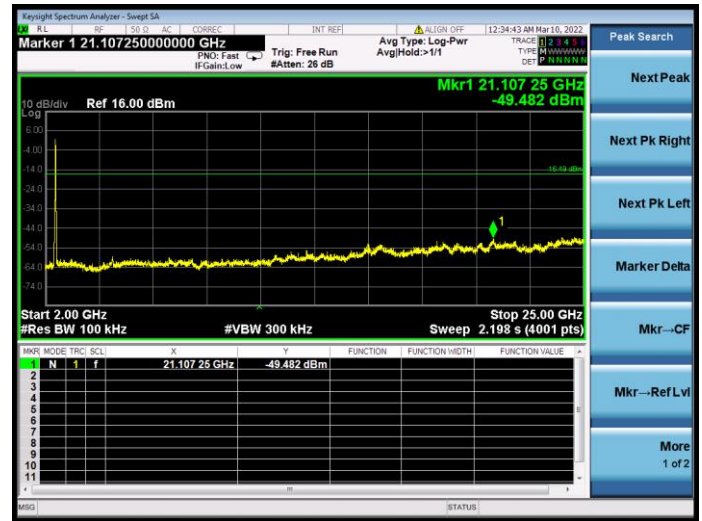
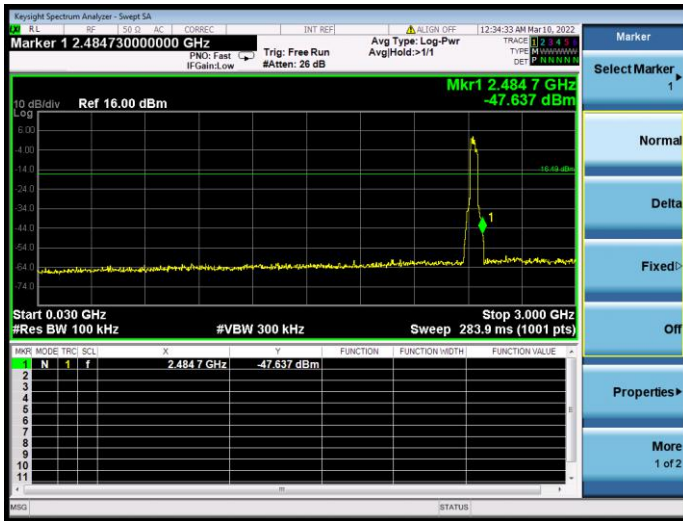
Stop Freq
2.467000000 GHz

CF Step
6.000000 MHz
Man

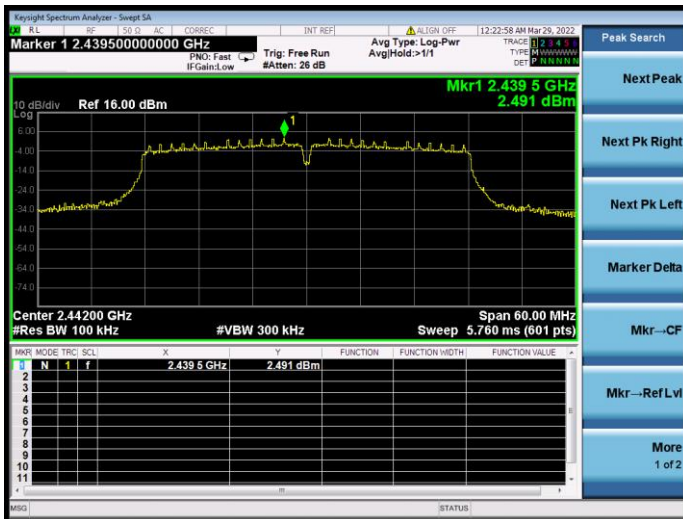
Freq Offset
0 Hz

VHT(40 MHz) CHANNEL 6 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 6 CARRIER, SPURIOUS
2 GHz ~ 25 GHz

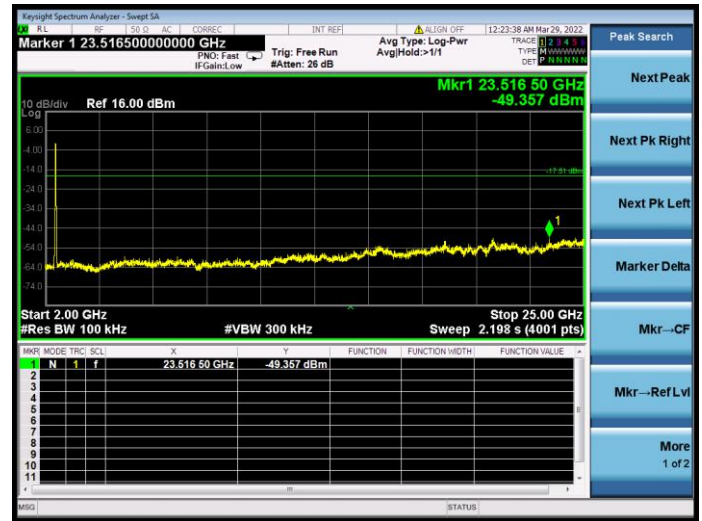
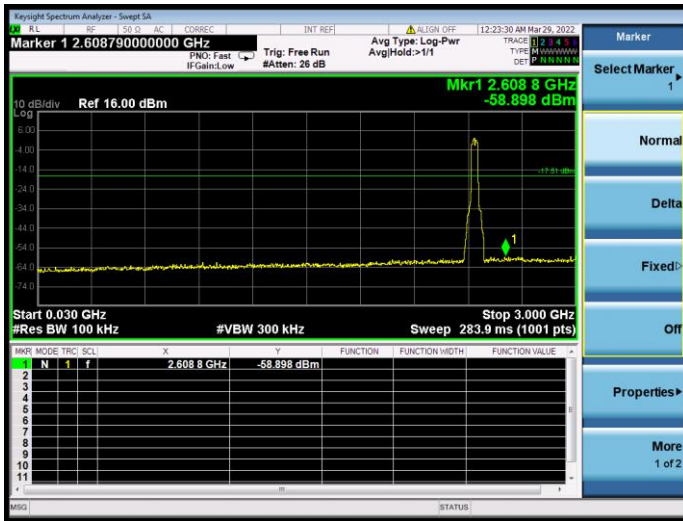


VHT(40 MHz) CHANNEL 7 CARRIER LEVEL

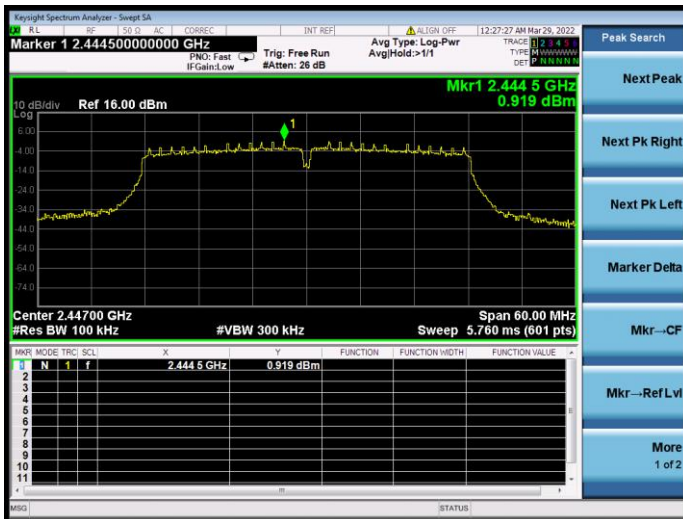


VHT(40 MHz) CHANNEL 7 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 7 CARRIER, SPURIOUS
2 GHz ~ 25 GHz

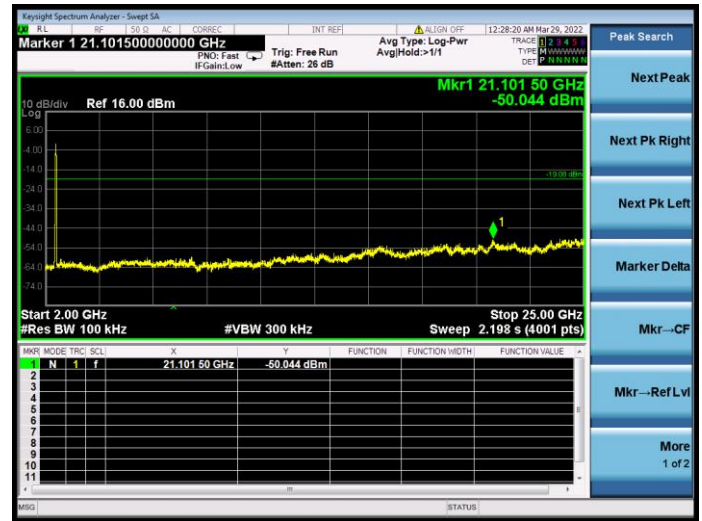
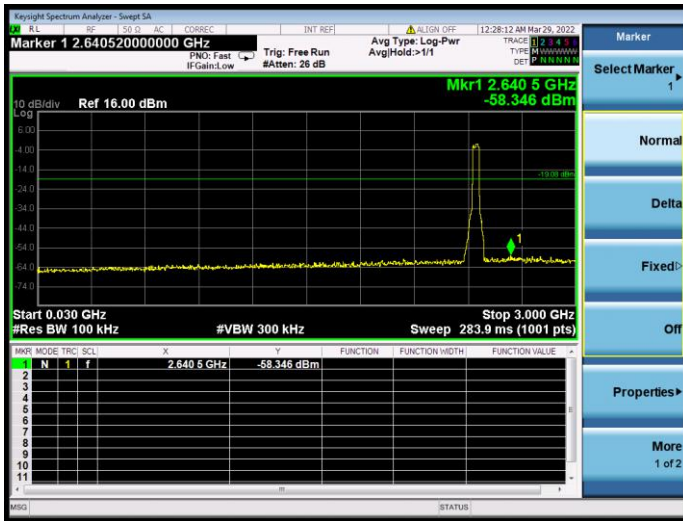


VHT(40 MHz) CHANNEL 8 CARRIER LEVEL

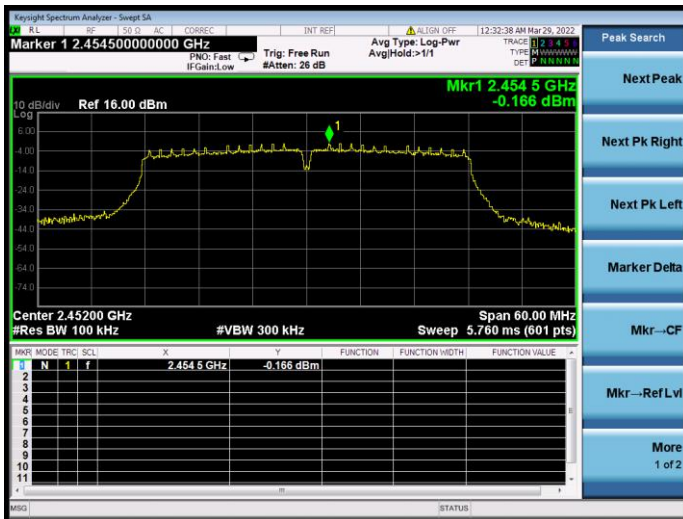


VHT(40 MHz) CHANNEL 8 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 8 CARRIER, SPURIOUS
2 GHz ~ 25 GHz

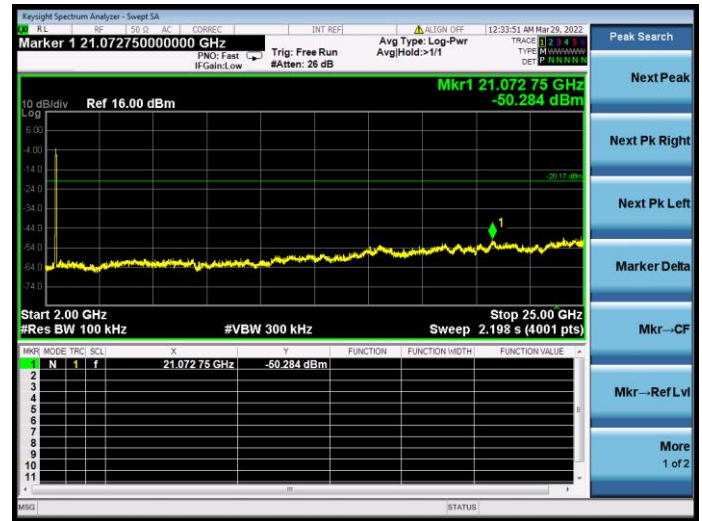
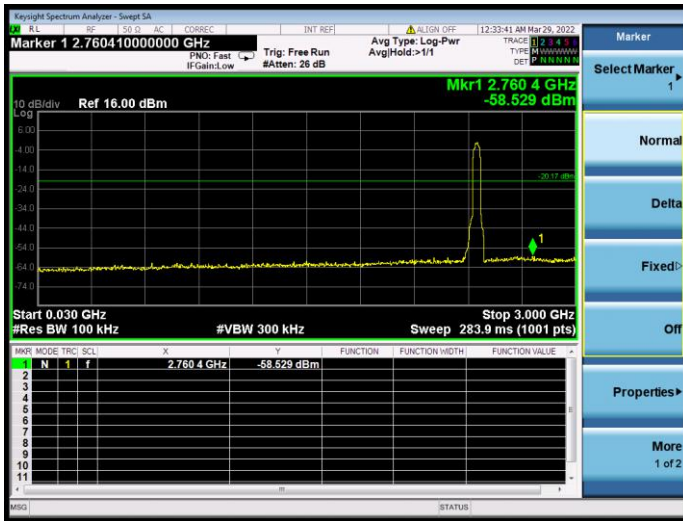


VHT(40 MHz) CHANNEL 9 CARRIER LEVEL



VHT(40 MHz) CHANNEL 9 CARRIER, SPURIOUS
30 MHz ~ 3 GHz

VHT(40 MHz) CHANNEL 9 CARRIER, SPURIOUS
2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|---------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| 1 | -47.15 | 5.34 | -14.66 | Pass |
| 2 | -55.59 | 5.58 | -14.42 | Pass |
| 3 | -56.49 | 6.74 | -13.26 | Pass |
| 4 | -56.93 | 6.39 | -13.61 | Pass |
| 5 | -56.79 | 6.84 | -13.16 | Pass |
| 7 | -57.06 | 7.01 | -12.99 | Pass |
| 8 | -57.20 | 5.93 | -14.07 | Pass |
| 9 | -57.04 | 5.92 | -14.08 | Pass |
| 10 | -57.07 | 5.92 | -14.08 | Pass |
| 11 | -56.81 | 5.66 | -14.34 | Pass |

802.11g Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|---------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| 1 | -36.53 | 3.30 | -16.70 | Pass |
| 2 | -35.45 | 6.80 | -13.20 | Pass |
| 10 | -51.22 | 6.68 | -13.32 | Pass |
| 11 | -50.99 | 2.61 | -17.39 | Pass |

802.11n-20 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|---------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| 1 | -39.11 | 2.31 | -17.69 | Pass |
| 2 | -36.02 | 6.77 | -13.23 | Pass |
| 10 | -51.01 | 6.59 | -13.41 | Pass |
| 11 | -51.05 | 2.15 | -17.85 | Pass |

802.11n-40 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|---------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| 3 | -41.50 | -1.02 | -21.02 | Pass |
| 4 | -42.60 | 1.14 | -18.86 | Pass |
| 5 | -40.29 | 2.14 | -17.86 | Pass |
| 7 | -47.08 | 2.52 | -17.48 | Pass |
| 8 | -46.16 | 1.42 | -18.59 | Pass |
| 9 | -47.34 | -0.18 | -20.18 | Pass |

VHT(20 MHz) Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|---------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| 1 | -38.24 | 2.78 | -17.22 | Pass |
| 2 | -36.46 | 4.89 | -15.11 | Pass |
| 10 | -51.62 | 5.48 | -14.52 | Pass |
| 11 | -51.42 | 2.12 | -17.88 | Pass |

VHT(40 MHz) Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|---------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| 3 | -41.16 | -1.03 | -21.03 | Pass |
| 4 | -41.20 | 1.63 | -18.38 | Pass |
| 5 | -36.82 | 4.08 | -15.92 | Pass |
| 7 | -46.77 | 2.49 | -17.51 | Pass |
| 8 | -48.35 | 0.92 | -19.08 | Pass |
| 9 | -41.99 | -0.17 | -20.17 | Pass |

Test Plots

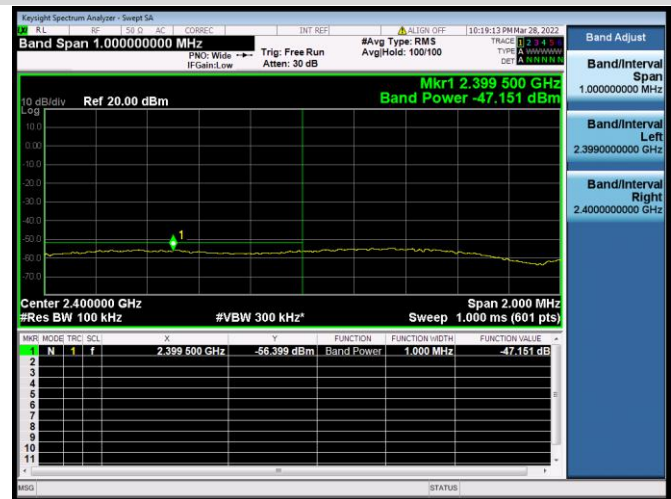
802.11b CHANNEL 1, CARRIER LEVEL



802.11b CHANNEL 1, REFERENCE LEVEL



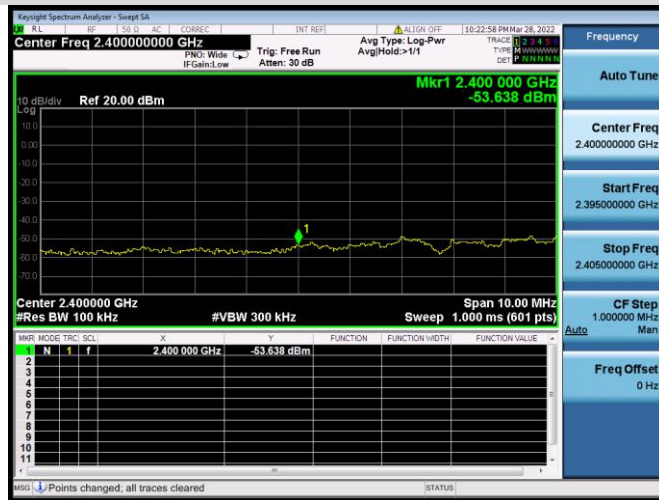
802.11b CHANNEL 1, BAND EDGE



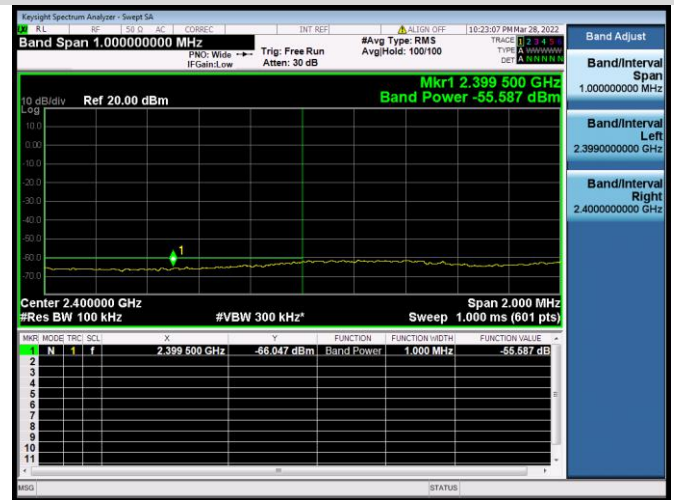
802.11b CHANNEL 2, CARRIER LEVEL



802.11b CHANNEL 2, REFERENCE LEVEL



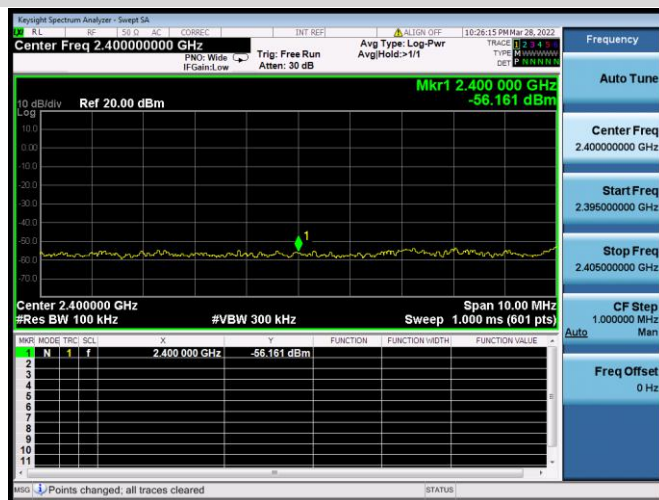
802.11b CHANNEL 2, BAND EDGE



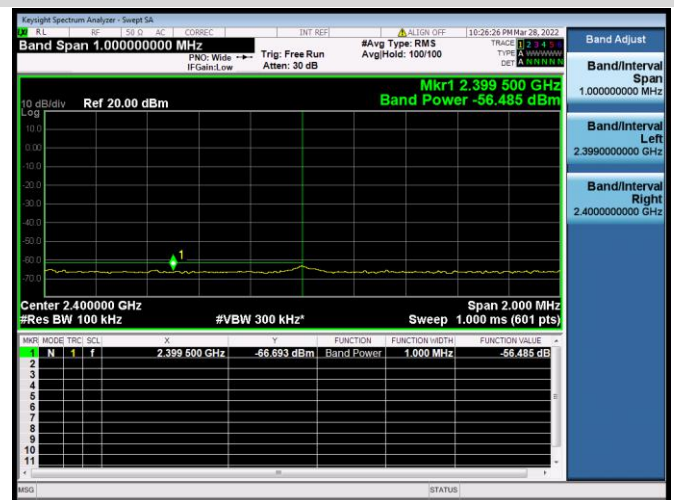
802.11b CHANNEL 3, CARRIER LEVEL



802.11b CHANNEL 3, REFERENCE LEVEL



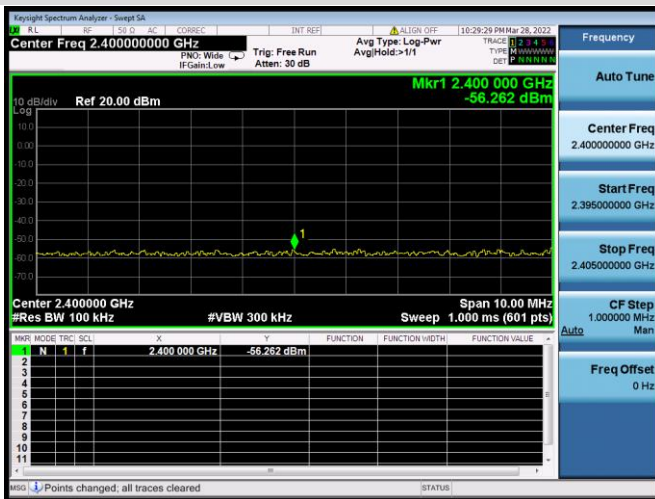
802.11b CHANNEL 3, BAND EDGE



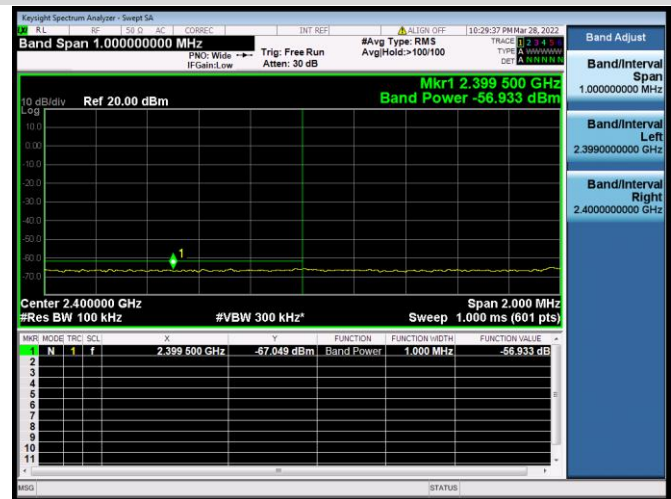
802.11b CHANNEL 4, CARRIER LEVEL



802.11b CHANNEL 4, REFERENCE LEVEL



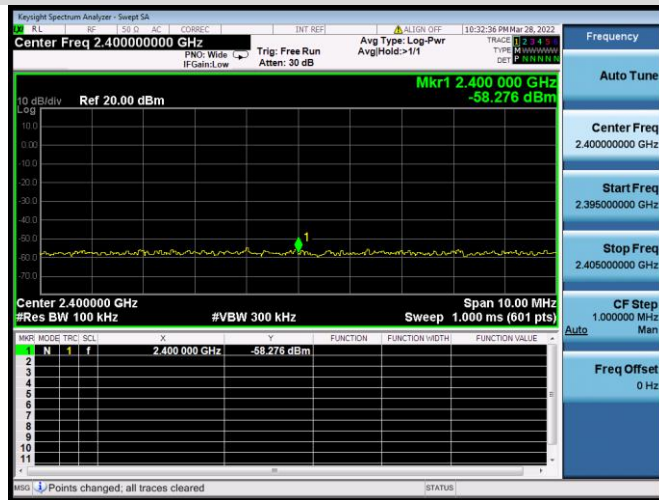
802.11b CHANNEL 4, BAND EDGE



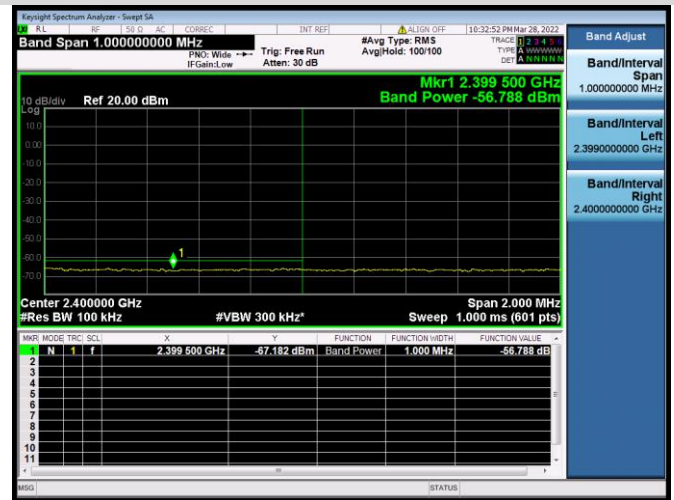
802.11b CHANNEL 5, CARRIER LEVEL



802.11b CHANNEL 5, REFERENCE LEVEL



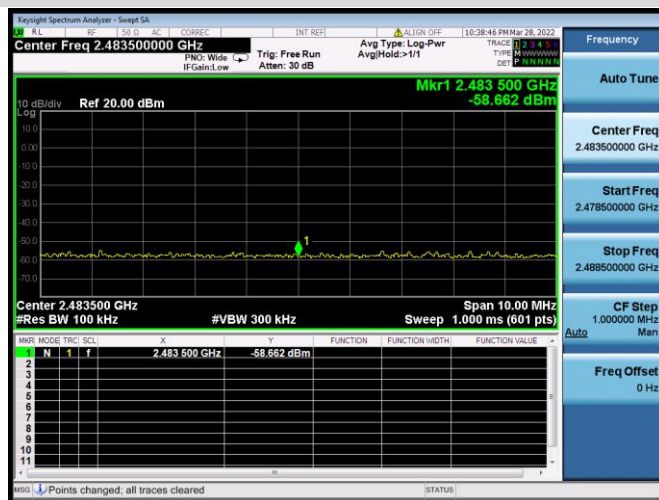
802.11b CHANNEL 5, BAND EDGE



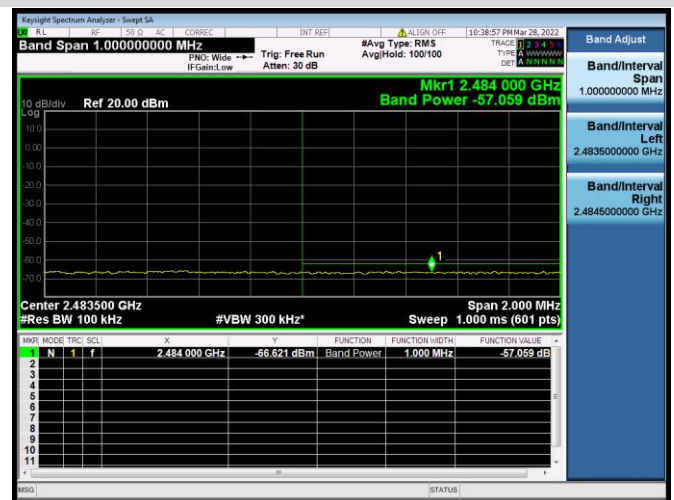
802.11b CHANNEL 7, CARRIER LEVEL



802.11b CHANNEL 7, REFERENCE LEVEL



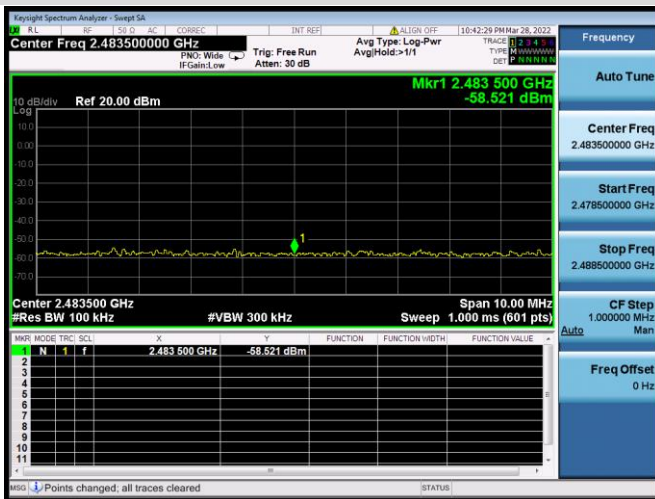
802.11b CHANNEL 7, BAND EDGE



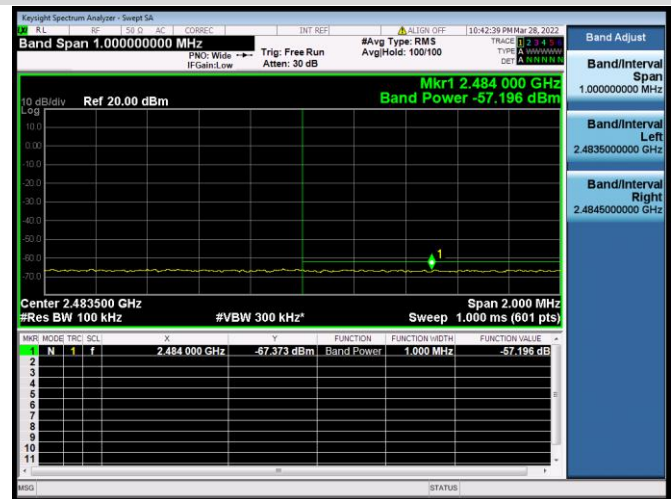
802.11b CHANNEL 8, CARRIER LEVEL



802.11b CHANNEL 8, REFERENCE LEVEL



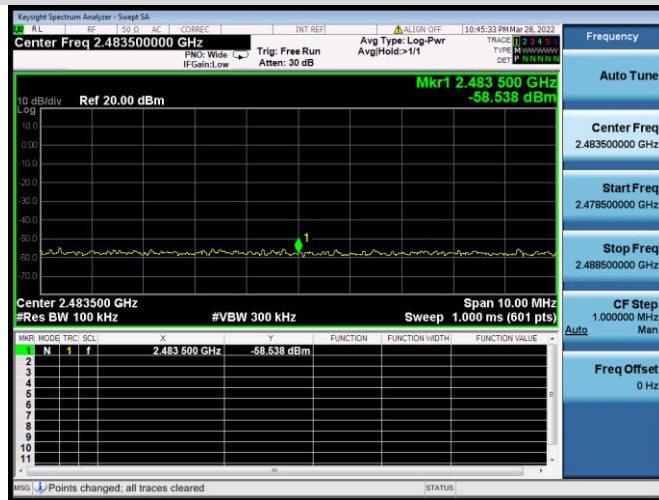
802.11b CHANNEL 8, BAND EDGE



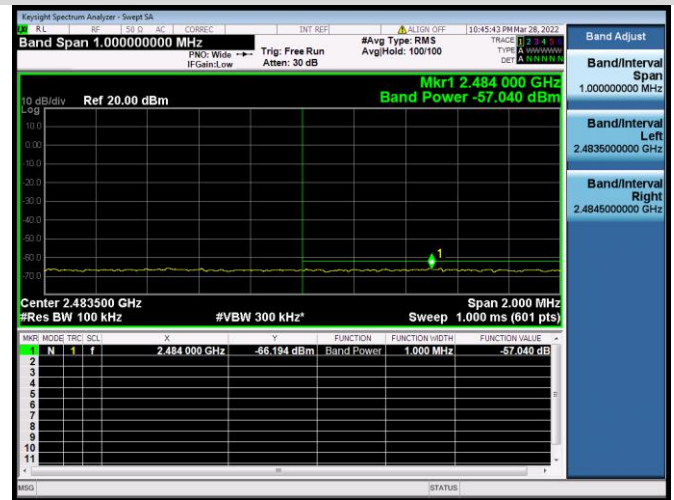
802.11b CHANNEL 9, CARRIER LEVEL



802.11b CHANNEL 9, REFERENCE LEVEL



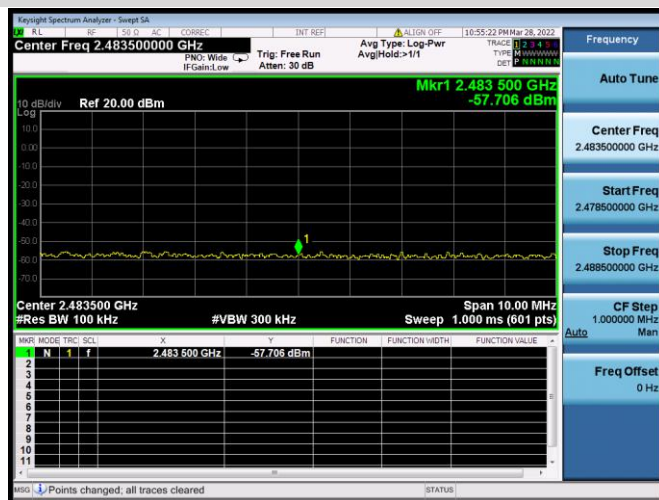
802.11b CHANNEL 9, BAND EDGE



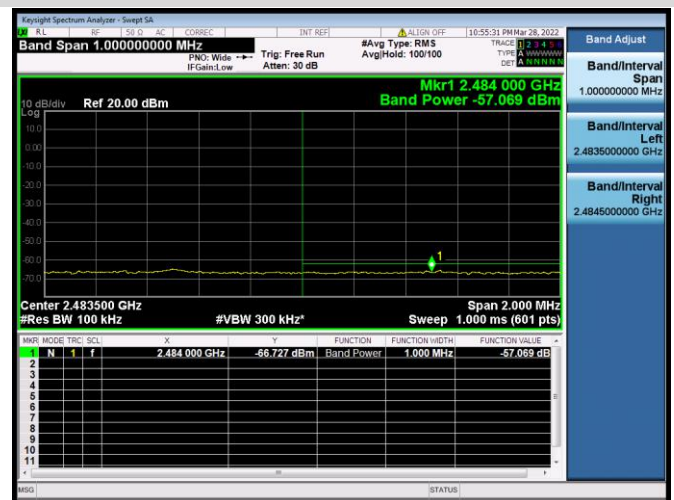
802.11b CHANNEL 10, CARRIER LEVEL



802.11b CHANNEL 10, REFERENCE LEVEL



802.11b CHANNEL 10, BAND EDGE



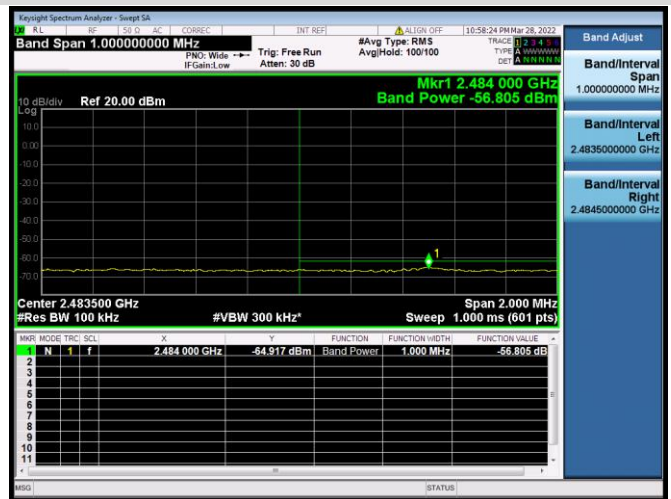
802.11b CHANNEL 11, CARRIER LEVEL



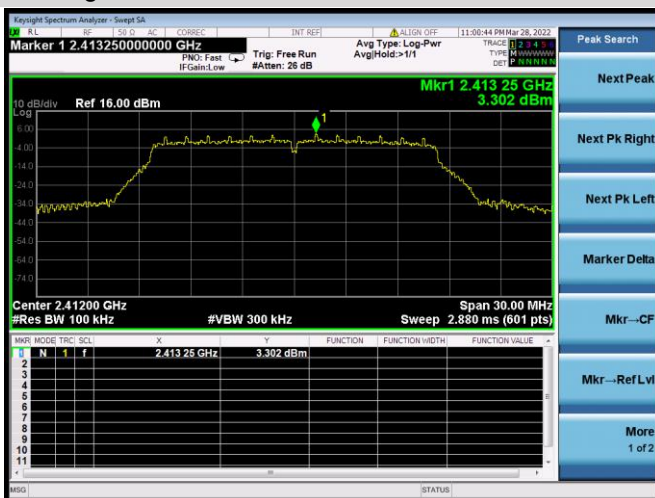
802.11b CHANNEL 11, REFERENCE LEVEL



802.11b CHANNEL 11, BAND EDGE



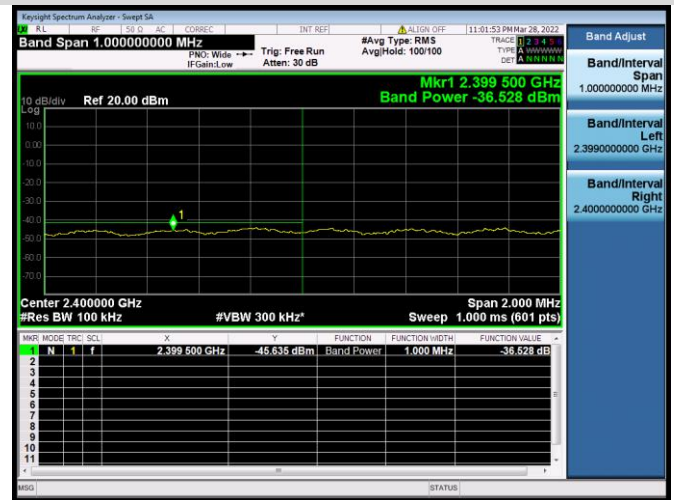
802.11g CHANNEL 1, CARRIER LEVEL



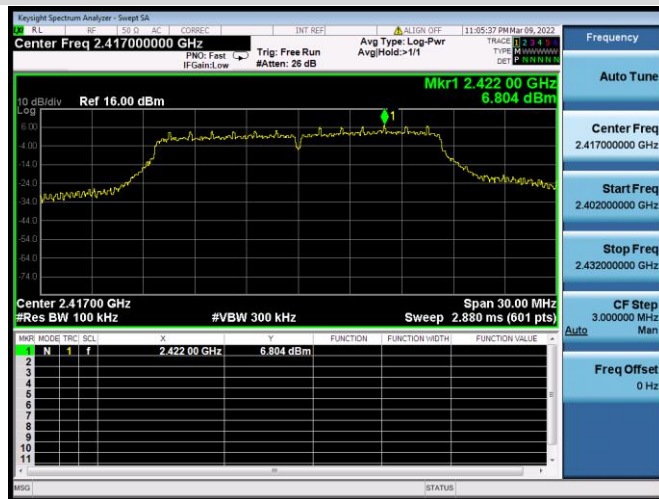
802.11g CHANNEL 1, REFERENCE LEVEL



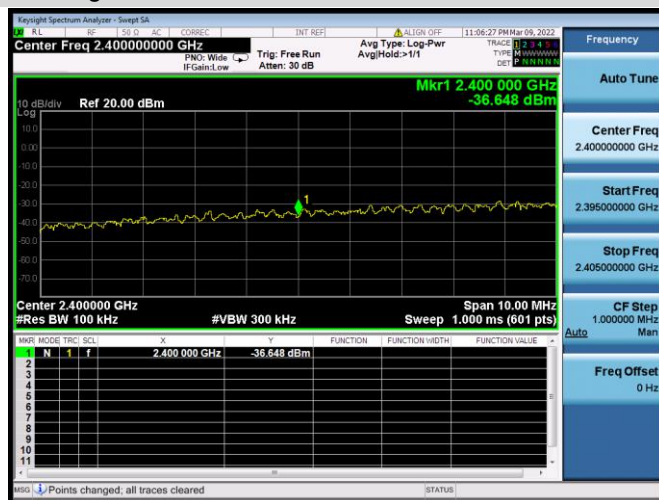
802.11g CHANNEL 1, BAND EDGE



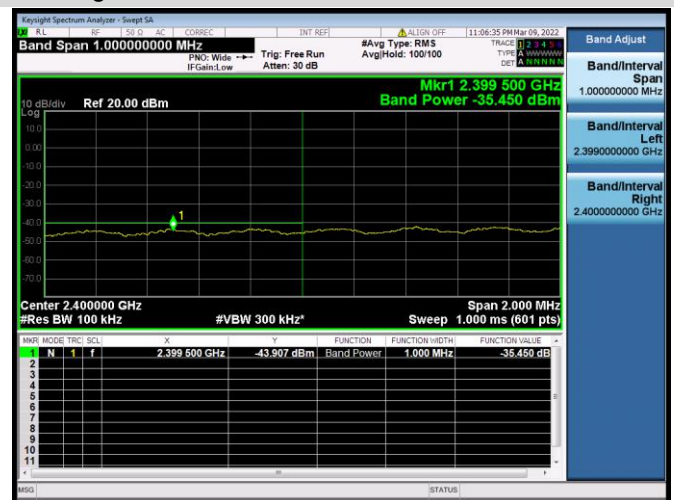
802.11g CHANNEL 2, CARRIER LEVEL



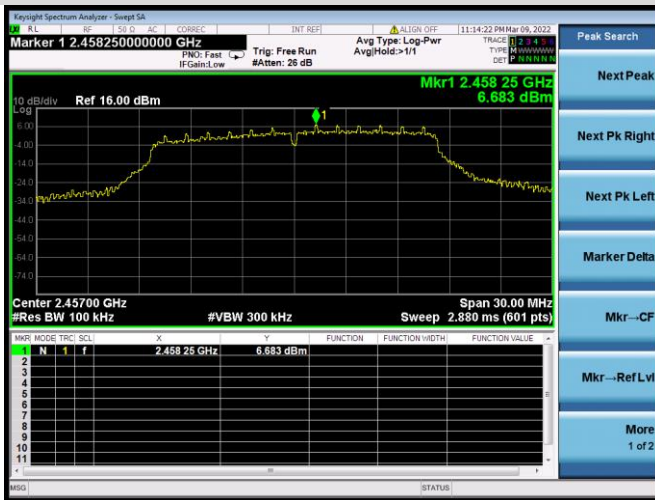
802.11g CHANNEL 2, REFERENCE LEVEL



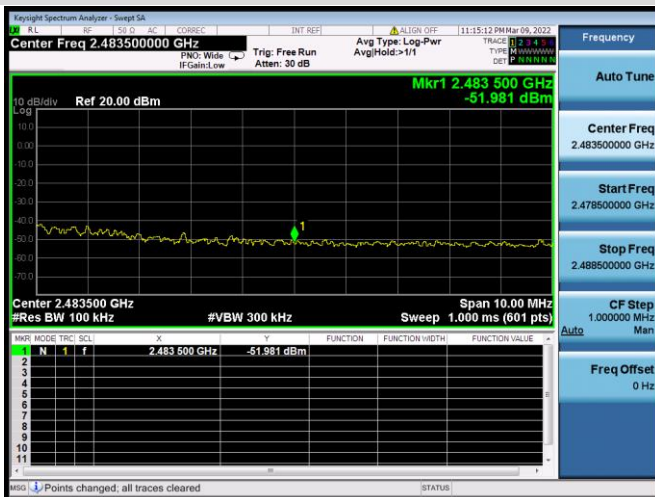
802.11g CHANNEL 2, BAND EDGE



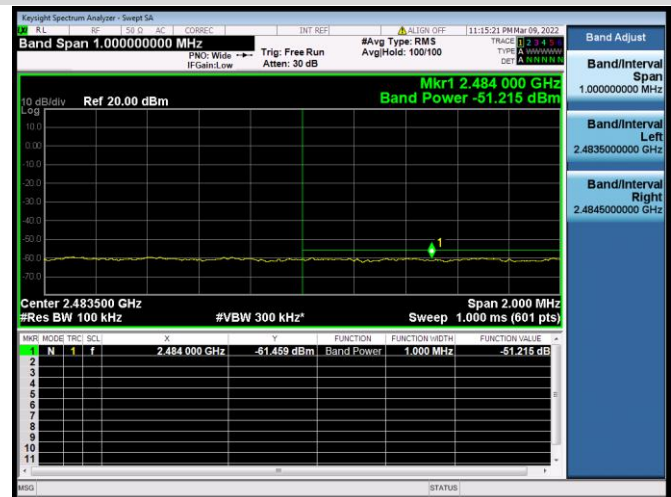
802.11g CHANNEL 10, CARRIER LEVEL



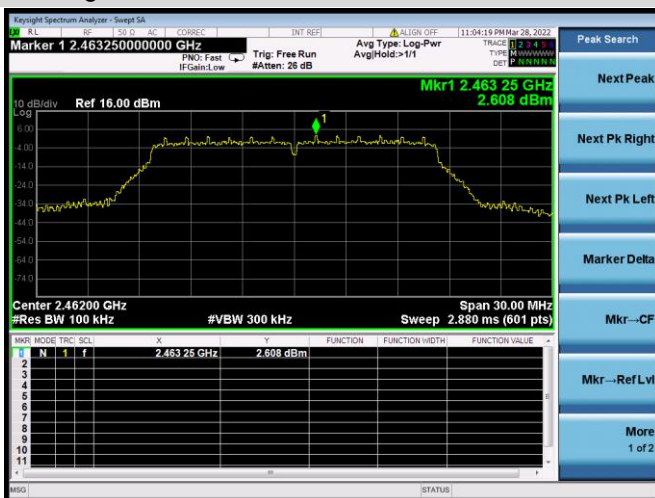
802.11g CHANNEL 10, REFERENCE LEVEL



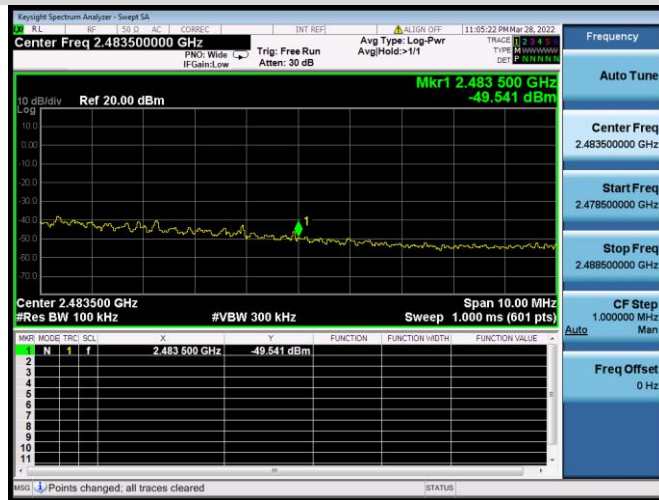
802.11g CHANNEL 10, BAND EDGE



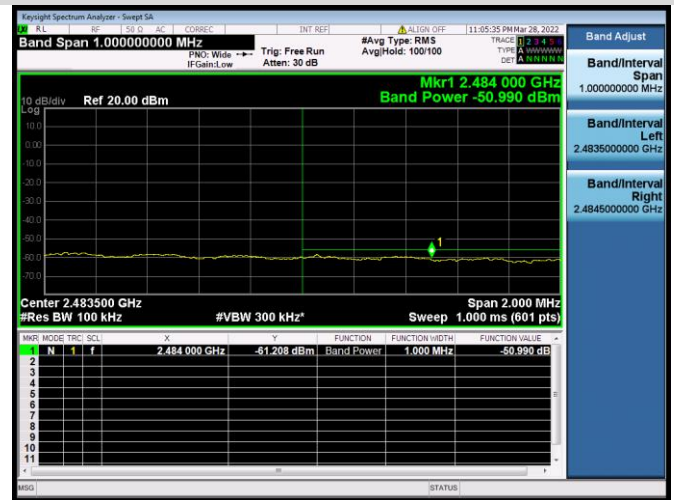
802.11g CHANNEL 11, CARRIER LEVEL



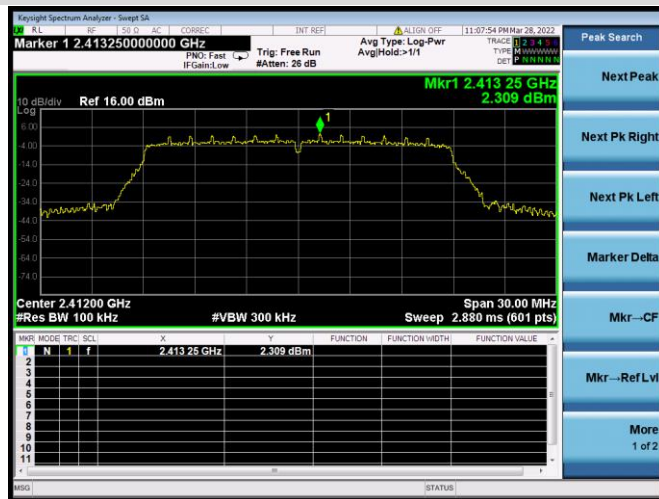
802.11g CHANNEL 11, REFERENCE LEVEL



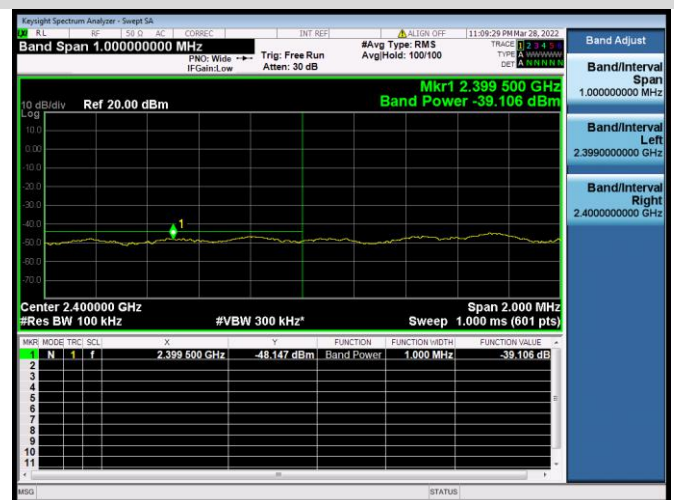
802.11g CHANNEL 11, BAND EDGE



802.11n-20 MHz CHANNEL 1, CARRIER LEVEL



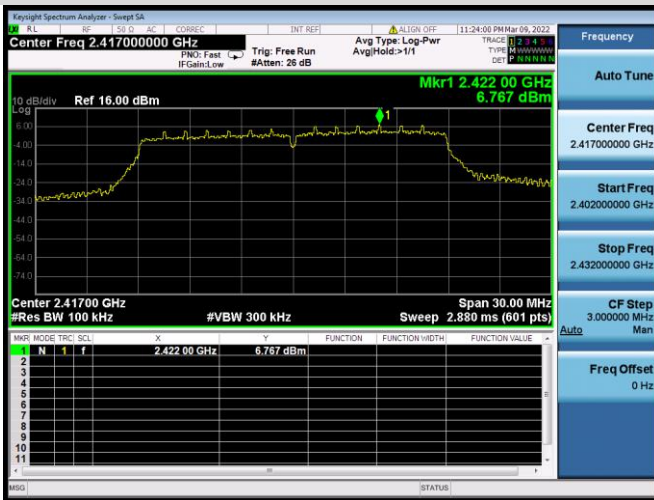
802.11n-20 MHz CHANNEL 1, BAND EDGE



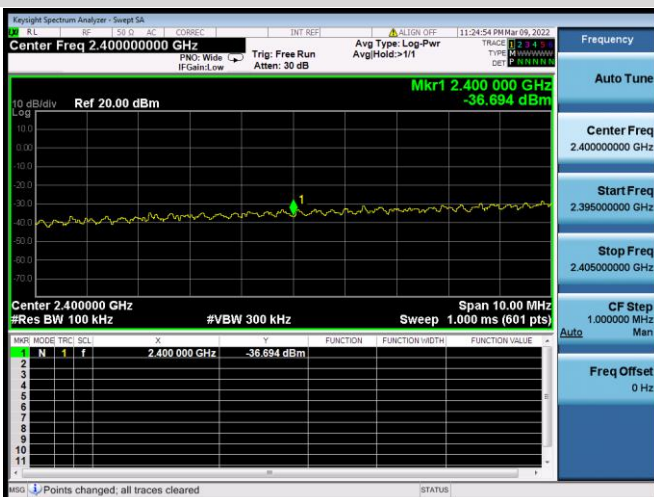
802.11n-20 MHz CHANNEL 1, REFERENCE LEVEL



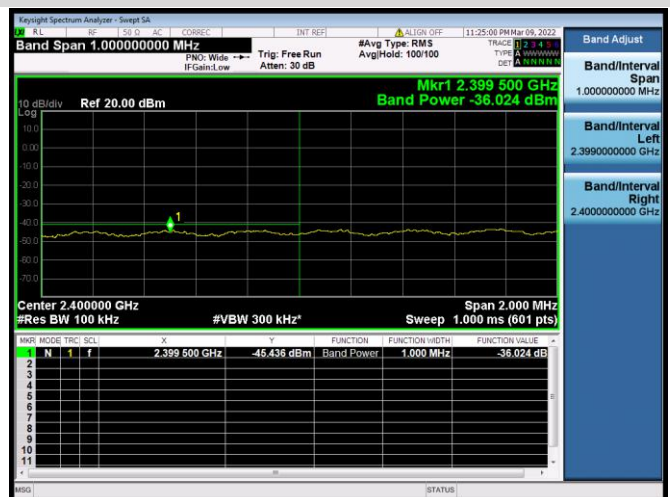
802.11n-20 MHz CHANNEL 2, CARRIER LEVEL



802.11n-20 MHz CHANNEL 2, REFERENCE LEVEL



802.11n-20 MHz CHANNEL 2, BAND EDGE



802.11n-20 MHz CHANNEL 10, CARRIER LEVEL

