



Band Edge NVNT n20 2412MHz Ant1 Ref SISO



Band Edge NVNT n20 2412MHz Ant1 Emission SISO



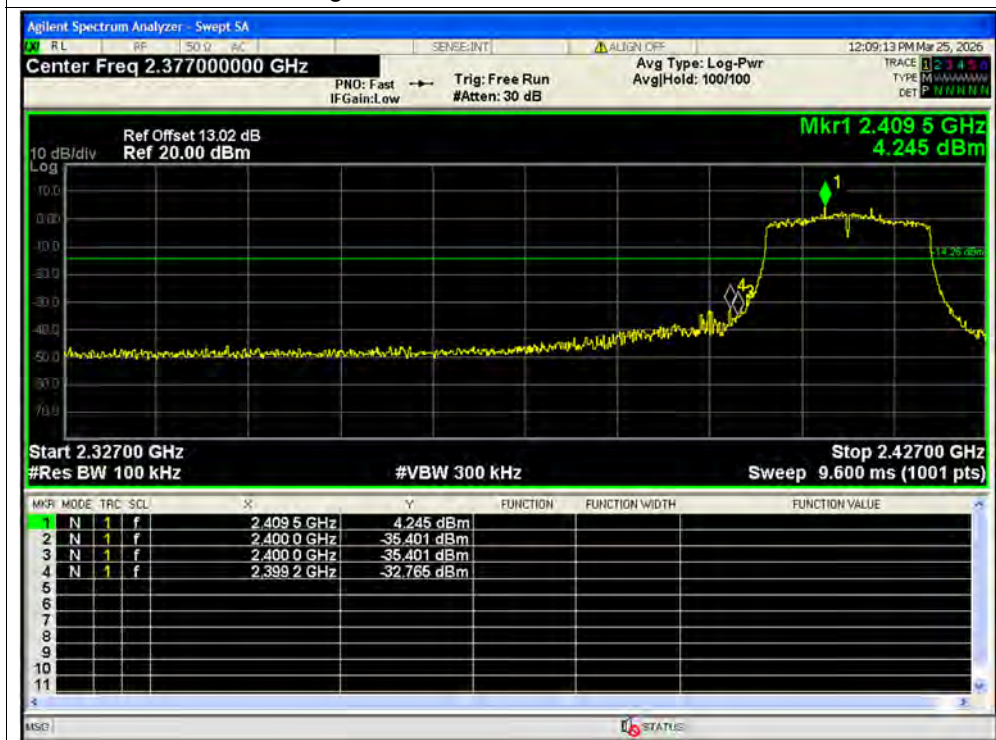
Band Edge NVNT n20 2472MHz Ant1 Ref SISO



Band Edge NVNT n20 2472MHz Ant1 Emission SISO



Band Edge NVNT n20 2412MHz Ant2 Ref SISO



Band Edge NVNT n20 2412MHz Ant2 Emission SISO



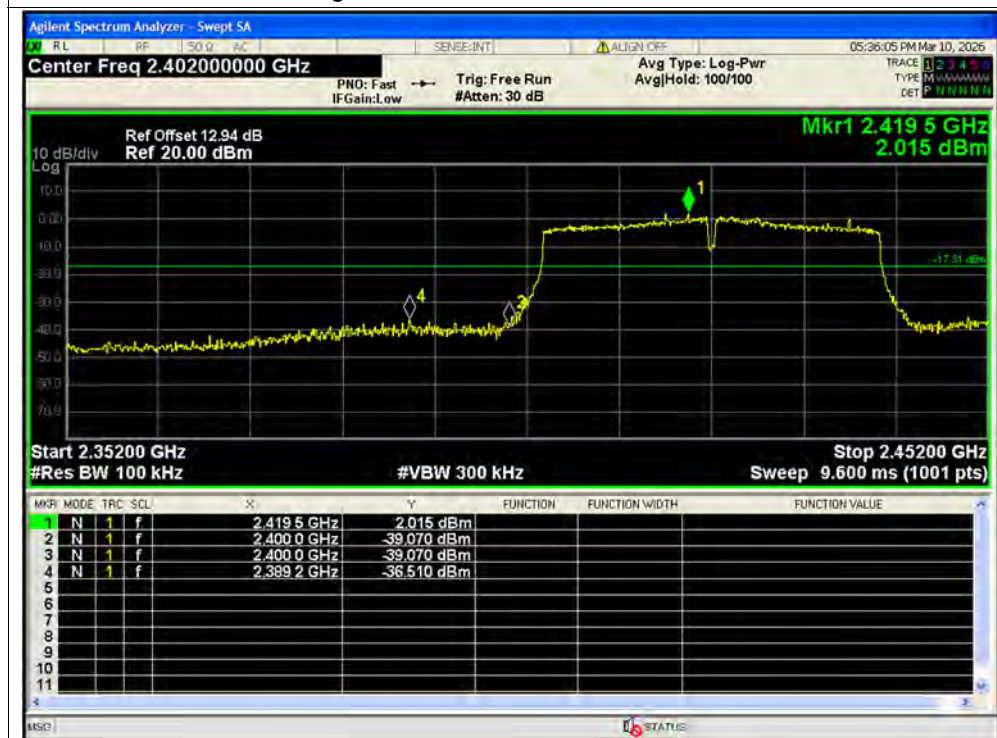
Band Edge NVNT n20 2472MHz Ant2 Ref SISO



Band Edge NVNT n20 2472MHz Ant2 Emission SISO



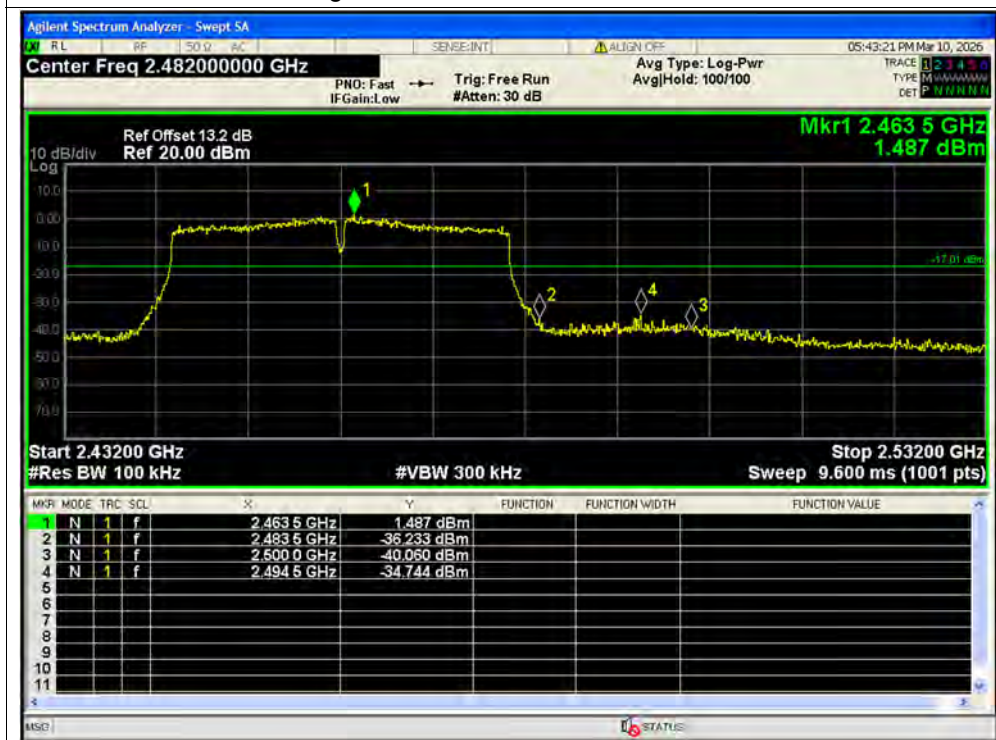
Band Edge NVNT n40 2422MHz Ant1 Ref SISO



Band Edge NVNT n40 2422MHz Ant1 Emission SISO



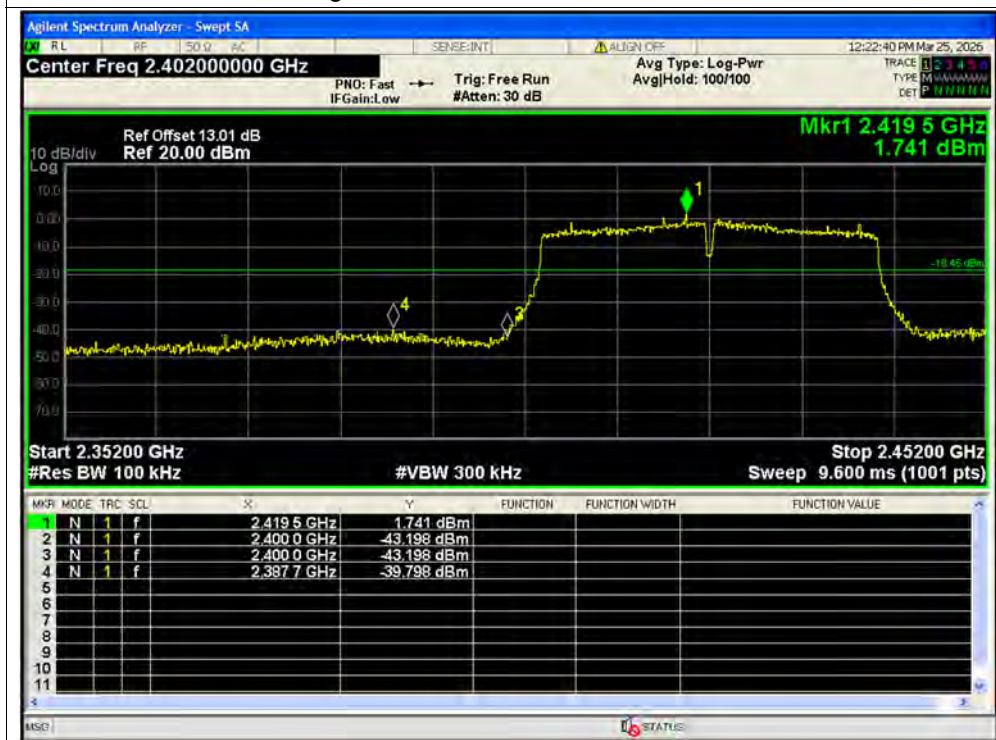
Band Edge NVNT n40 2462MHz Ant1 Ref SISO



Band Edge NVNT n40 2462MHz Ant1 Emission SISO



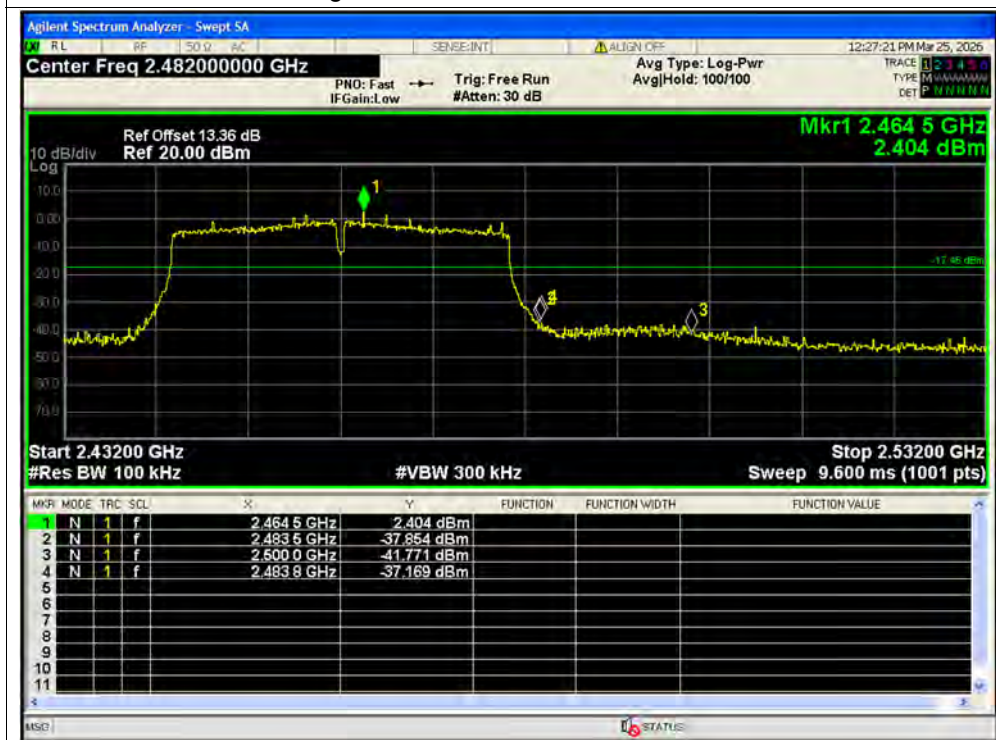
Band Edge NVNT n40 2422MHz Ant2 Ref SISO



Band Edge NVNT n40 2422MHz Ant2 Emission SISO



Band Edge NVNT n40 2462MHz Ant2 Ref SISO



Band Edge NVNT n40 2462MHz Ant2 Emission SISO



Band Edge NVNT ax20 2412MHz Ant1 Ref SISO



Band Edge NVNT ax20 2412MHz Ant1 Emission SISO



Band Edge NVNT ax20 2472MHz Ant1 Ref SISO



Band Edge NVNT ax20 2472MHz Ant1 Emission SISO



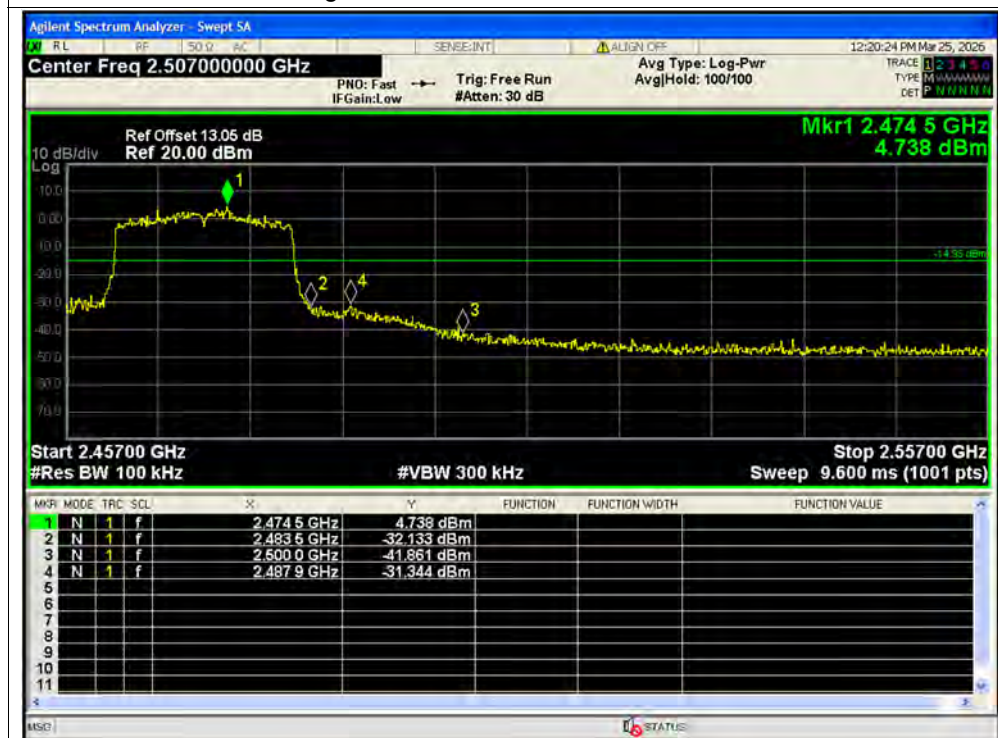
Band Edge NVNT ax20 2412MHz Ant2 Ref SISO



Band Edge NVNT ax20 2412MHz Ant2 Emission SISO



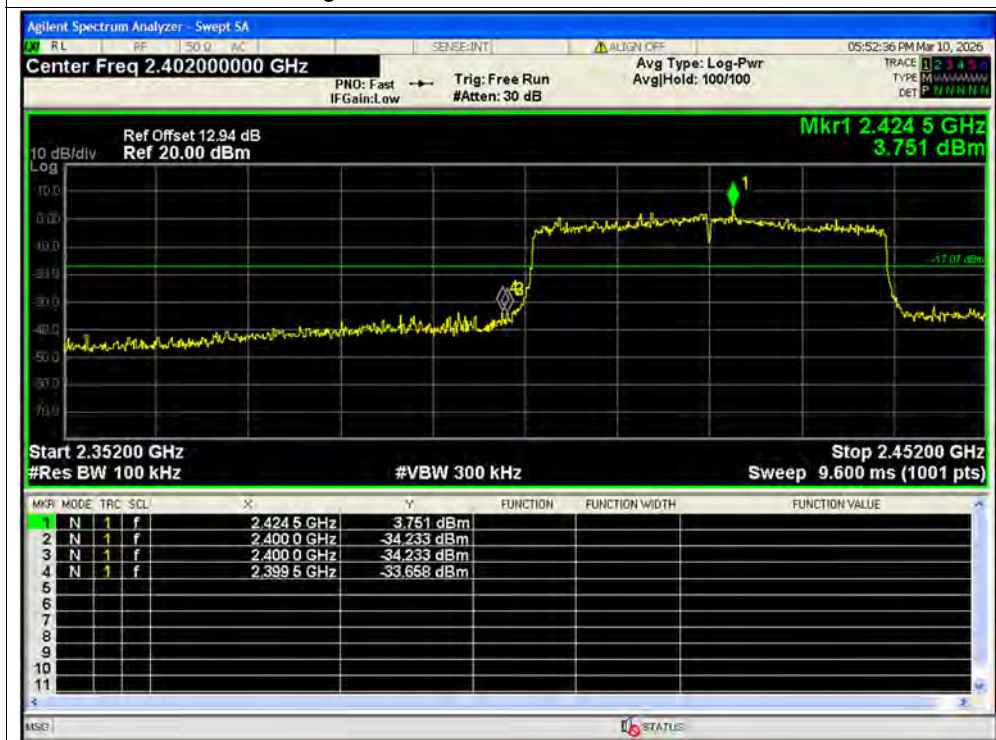
Band Edge NVNT ax20 2472MHz Ant2 Ref SISO



Band Edge NVNT ax20 2472MHz Ant2 Emission SISO



Band Edge NVNT ax40 2422MHz Ant1 Ref SISO



Band Edge NVNT ax40 2422MHz Ant1 Emission SISO



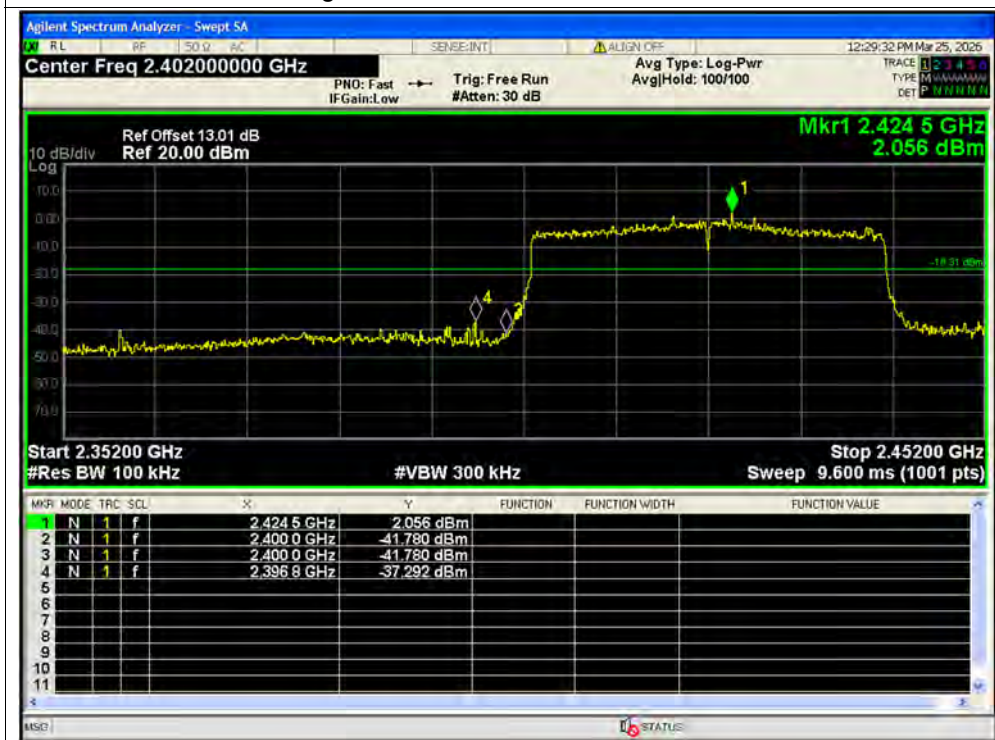
Band Edge NVNT ax40 2462MHz Ant1 Ref SISO



Band Edge NVNT ax40 2462MHz Ant1 Emission SISO



Band Edge NVNT ax40 2422MHz Ant2 Ref SISO



Band Edge NVNT ax40 2422MHz Ant2 Emission SISO



Band Edge NVNT ax40 2462MHz Ant2 Ref SISO



Band Edge NVNT ax40 2462MHz Ant2 Emission SISO

**A.7. Power Spectral Density**

| Condition | Mode     | Freq. (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Duty Factor (dB) | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|----------|-------------|---------|--------------------------|------------------|----------------------|------------------|---------|
| NVNT      | b SISO   | 2412        | Ant1    | -8.09                    | 0                | -8.09                | 8                | Pass    |
| NVNT      | b SISO   | 2442        | Ant1    | -6.69                    | 0                | -6.69                | 8                | Pass    |
| NVNT      | b SISO   | 2472        | Ant1    | -7.92                    | 0                | -7.92                | 8                | Pass    |
| NVNT      | b SISO   | 2412        | Ant2    | -8.58                    | 0                | -8.58                | 8                | Pass    |
| NVNT      | b SISO   | 2442        | Ant2    | -9.24                    | 0                | -9.24                | 8                | Pass    |
| NVNT      | b SISO   | 2472        | Ant2    | -7.98                    | 0                | -7.98                | 8                | Pass    |
| NVNT      | g SISO   | 2412        | Ant1    | -7.74                    | 0                | -7.74                | 8                | Pass    |
| NVNT      | g SISO   | 2442        | Ant1    | -7.91                    | 0                | -7.91                | 8                | Pass    |
| NVNT      | g SISO   | 2472        | Ant1    | -8.43                    | 0                | -8.43                | 8                | Pass    |
| NVNT      | g SISO   | 2412        | Ant2    | -9.73                    | 0                | -9.73                | 8                | Pass    |
| NVNT      | g SISO   | 2442        | Ant2    | -9.3                     | 0                | -9.3                 | 8                | Pass    |
| NVNT      | g SISO   | 2472        | Ant2    | -9.76                    | 0                | -9.76                | 8                | Pass    |
| NVNT      | n20 SISO | 2412        | Ant1    | -7.87                    | 0                | -7.87                | 8                | Pass    |
| NVNT      | n20 SISO | 2442        | Ant1    | -7.95                    | 0                | -7.95                | 8                | Pass    |
| NVNT      | n20 SISO | 2472        | Ant1    | -8.78                    | 0                | -8.78                | 8                | Pass    |
| NVNT      | n20 SISO | 2412        | Ant2    | -9.31                    | 0                | -9.31                | 8                | Pass    |
| NVNT      | n20 SISO | 2442        | Ant2    | -8.94                    | 0                | -8.94                | 8                | Pass    |



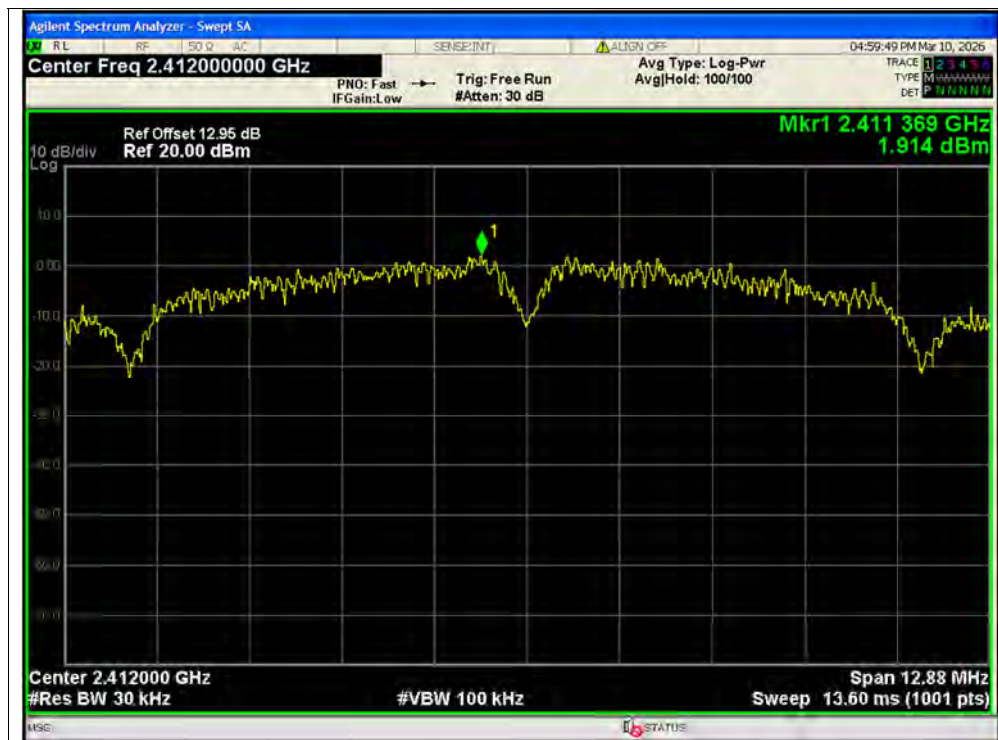
|      |             |      |      |        |   |        |   |      |
|------|-------------|------|------|--------|---|--------|---|------|
| NVNT | n20<br>SISO | 2472 | Ant2 | -9.37  | 0 | -9.37  | 8 | Pass |
| NVNT | n20<br>MIMO | 2412 | Ant1 | -11.24 | 0 | -11.24 | 8 | Pass |
| NVNT | n20<br>MIMO | 2412 | Ant2 | -11.91 | 0 | -11.91 | 8 | Pass |
| NVNT | n20<br>MIMO | 2412 | Sum  | -8.55  | 0 | -8.55  | 8 | Pass |
| NVNT | n20<br>MIMO | 2442 | Ant1 | -11.01 | 0 | -11.01 | 8 | Pass |
| NVNT | n20<br>MIMO | 2442 | Ant2 | -11.47 | 0 | -11.47 | 8 | Pass |
| NVNT | n20<br>MIMO | 2442 | Sum  | -8.22  | 0 | -8.22  | 8 | Pass |
| NVNT | n20<br>MIMO | 2472 | Ant1 | -11.07 | 0 | -11.07 | 8 | Pass |
| NVNT | n20<br>MIMO | 2472 | Ant2 | -11.53 | 0 | -11.53 | 8 | Pass |
| NVNT | n20<br>MIMO | 2472 | Sum  | -8.28  | 0 | -8.28  | 8 | Pass |
| NVNT | n40<br>SISO | 2422 | Ant1 | -11.78 | 0 | -11.78 | 8 | Pass |
| NVNT | n40<br>SISO | 2442 | Ant1 | -10.93 | 0 | -10.93 | 8 | Pass |
| NVNT | n40<br>SISO | 2462 | Ant1 | -11.36 | 0 | -11.36 | 8 | Pass |
| NVNT | n40<br>SISO | 2422 | Ant2 | -12.23 | 0 | -12.23 | 8 | Pass |
| NVNT | n40<br>SISO | 2442 | Ant2 | -12.36 | 0 | -12.36 | 8 | Pass |
| NVNT | n40<br>SISO | 2462 | Ant2 | -12.31 | 0 | -12.31 | 8 | Pass |
| NVNT | n40<br>MIMO | 2422 | Ant1 | -13.57 | 0 | -13.57 | 8 | Pass |
| NVNT | n40<br>MIMO | 2422 | Ant2 | -15.01 | 0 | -15.01 | 8 | Pass |
| NVNT | n40<br>MIMO | 2422 | Sum  | -11.22 | 0 | -11.22 | 8 | Pass |
| NVNT | n40         | 2442 | Ant1 | -13.97 | 0 | -13.97 | 8 | Pass |



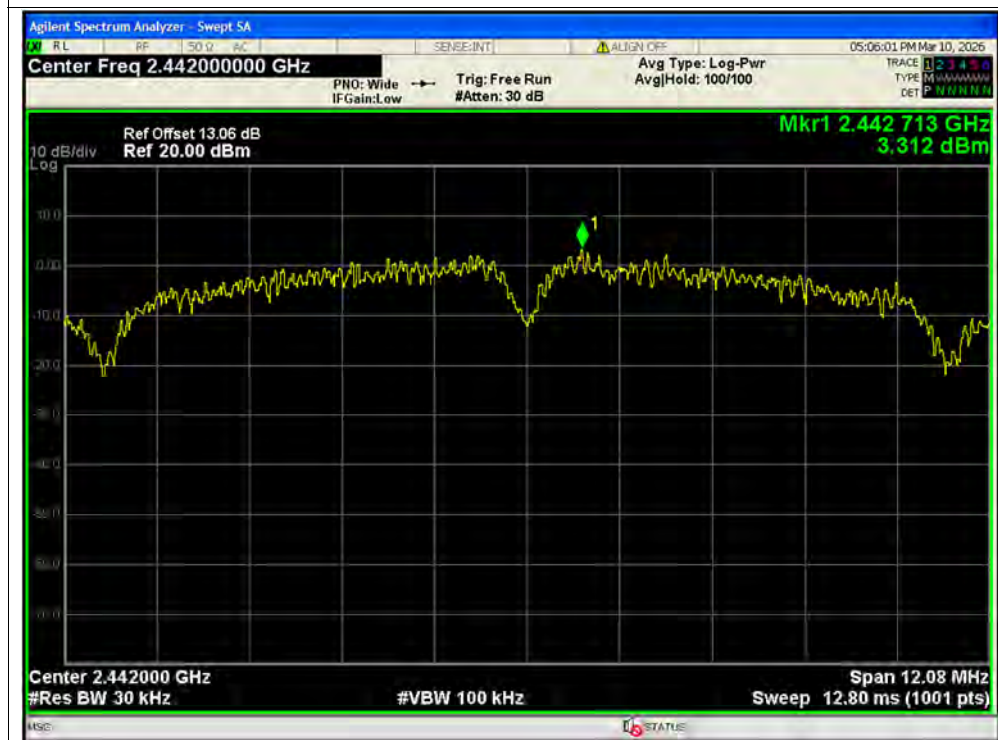
|      |              |      |      |        |   |        |   |      |
|------|--------------|------|------|--------|---|--------|---|------|
|      | MIMO         |      |      |        |   |        |   |      |
| NVNT | n40<br>MIMO  | 2442 | Ant2 | -15.37 | 0 | -15.37 | 8 | Pass |
| NVNT | n40<br>MIMO  | 2442 | Sum  | -11.6  | 0 | -11.6  | 8 | Pass |
| NVNT | n40<br>MIMO  | 2462 | Ant1 | -14.12 | 0 | -14.12 | 8 | Pass |
| NVNT | n40<br>MIMO  | 2462 | Ant2 | -14.92 | 0 | -14.92 | 8 | Pass |
| NVNT | n40<br>MIMO  | 2462 | Sum  | -11.49 | 0 | -11.49 | 8 | Pass |
| NVNT | ax20<br>SISO | 2412 | Ant1 | -8.67  | 0 | -8.67  | 8 | Pass |
| NVNT | ax20<br>SISO | 2442 | Ant1 | -10.04 | 0 | -10.04 | 8 | Pass |
| NVNT | ax20<br>SISO | 2472 | Ant1 | -9.25  | 0 | -9.25  | 8 | Pass |
| NVNT | ax20<br>SISO | 2412 | Ant2 | -10.16 | 0 | -10.16 | 8 | Pass |
| NVNT | ax20<br>SISO | 2442 | Ant2 | -9.75  | 0 | -9.75  | 8 | Pass |
| NVNT | ax20<br>SISO | 2472 | Ant2 | -10.19 | 0 | -10.19 | 8 | Pass |
| NVNT | ax20<br>MIMO | 2412 | Ant1 | -11.58 | 0 | -11.58 | 8 | Pass |
| NVNT | ax20<br>MIMO | 2412 | Ant2 | -14.25 | 0 | -14.25 | 8 | Pass |
| NVNT | ax20<br>MIMO | 2412 | Sum  | -9.7   | 0 | -9.7   | 8 | Pass |
| NVNT | ax20<br>MIMO | 2442 | Ant1 | -11.58 | 0 | -11.58 | 8 | Pass |
| NVNT | ax20<br>MIMO | 2442 | Ant2 | -12.72 | 0 | -12.72 | 8 | Pass |
| NVNT | ax20<br>MIMO | 2442 | Sum  | -9.1   | 0 | -9.1   | 8 | Pass |
| NVNT | ax20<br>MIMO | 2472 | Ant1 | -12.71 | 0 | -12.71 | 8 | Pass |
| NVNT | ax20<br>MIMO | 2472 | Ant2 | -12.87 | 0 | -12.87 | 8 | Pass |



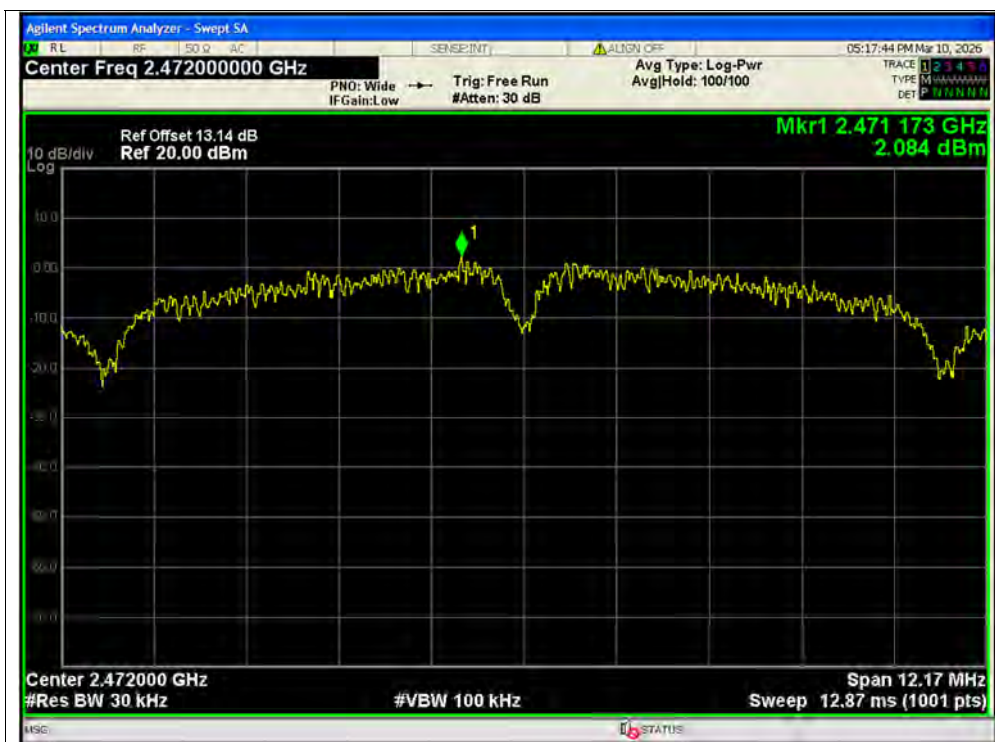
|      |              |      |      |        |   |        |   |      |
|------|--------------|------|------|--------|---|--------|---|------|
| NVNT | ax20<br>MIMO | 2472 | Sum  | -9.78  | 0 | -9.78  | 8 | Pass |
| NVNT | ax40<br>SISO | 2422 | Ant1 | -12.6  | 0 | -12.6  | 8 | Pass |
| NVNT | ax40<br>SISO | 2442 | Ant1 | -12.78 | 0 | -12.78 | 8 | Pass |
| NVNT | ax40<br>SISO | 2462 | Ant1 | -12.63 | 0 | -12.63 | 8 | Pass |
| NVNT | ax40<br>SISO | 2422 | Ant2 | -14.5  | 0 | -14.5  | 8 | Pass |
| NVNT | ax40<br>SISO | 2442 | Ant2 | -14.04 | 0 | -14.04 | 8 | Pass |
| NVNT | ax40<br>SISO | 2462 | Ant2 | -14.01 | 0 | -14.01 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2422 | Ant1 | -14.93 | 0 | -14.93 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2422 | Ant2 | -16.67 | 0 | -16.67 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2422 | Sum  | -12.7  | 0 | -12.7  | 8 | Pass |
| NVNT | ax40<br>MIMO | 2442 | Ant1 | -15.88 | 0 | -15.88 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2442 | Ant2 | -16.51 | 0 | -16.51 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2442 | Sum  | -13.17 | 0 | -13.17 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2462 | Ant1 | -16.05 | 0 | -16.05 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2462 | Ant2 | -16.75 | 0 | -16.75 | 8 | Pass |
| NVNT | ax40<br>MIMO | 2462 | Sum  | -13.38 | 0 | -13.38 | 8 | Pass |



PSD NVNT b 2412MHz Ant1 SISO



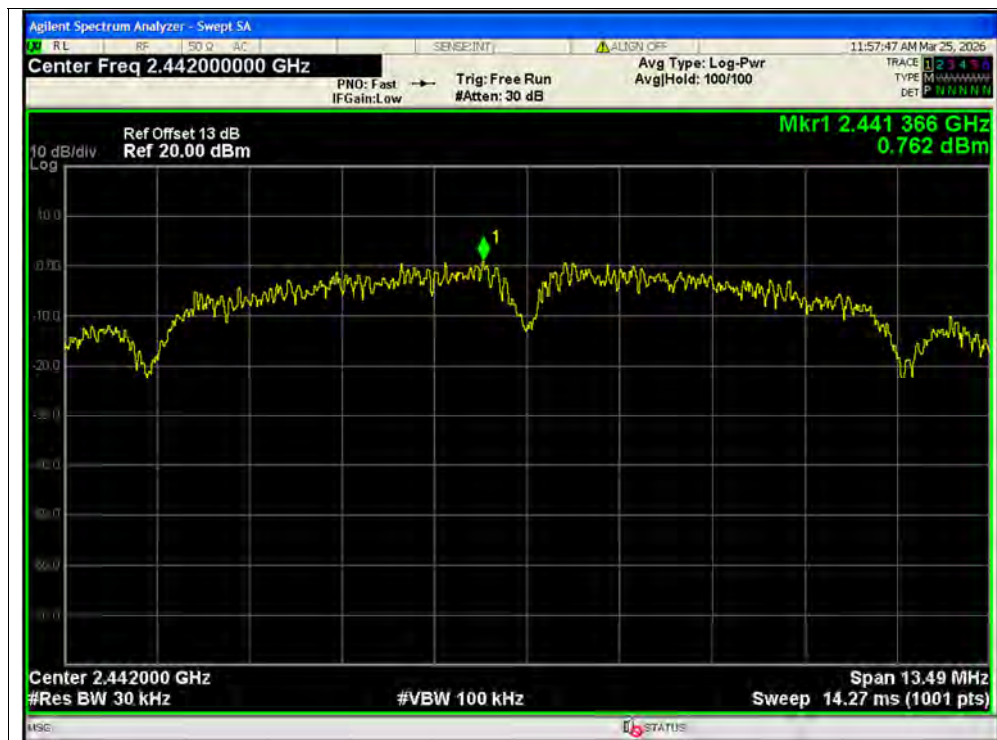
PSD NVNT b 2442MHz Ant1 SISO



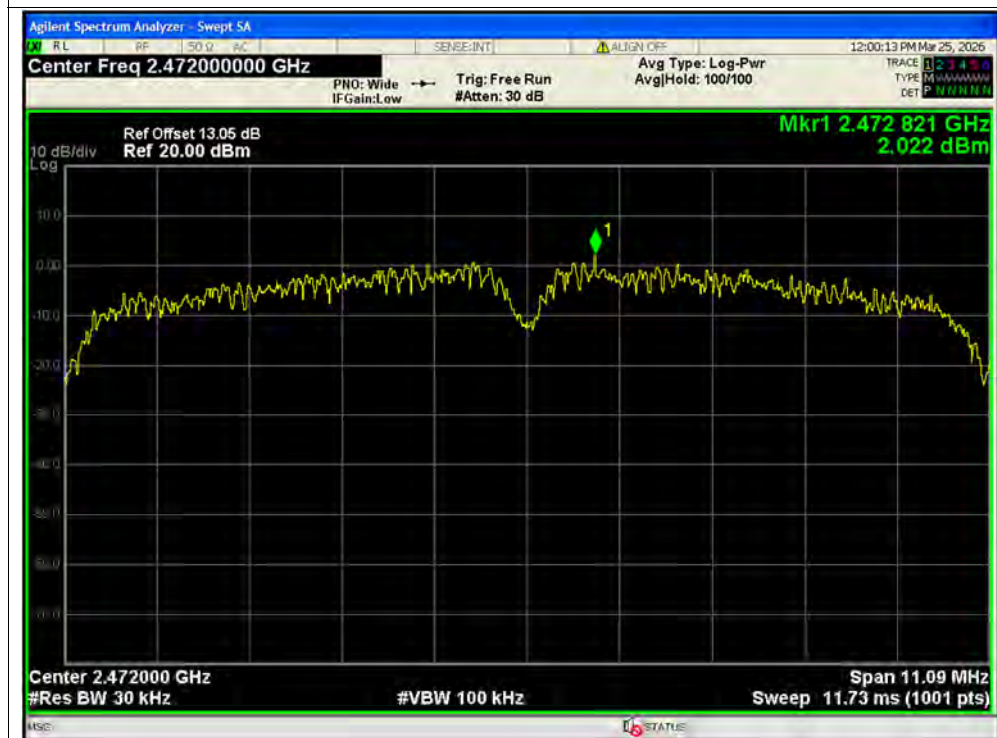
PSD NVNT b 2472MHz Ant1 SISO



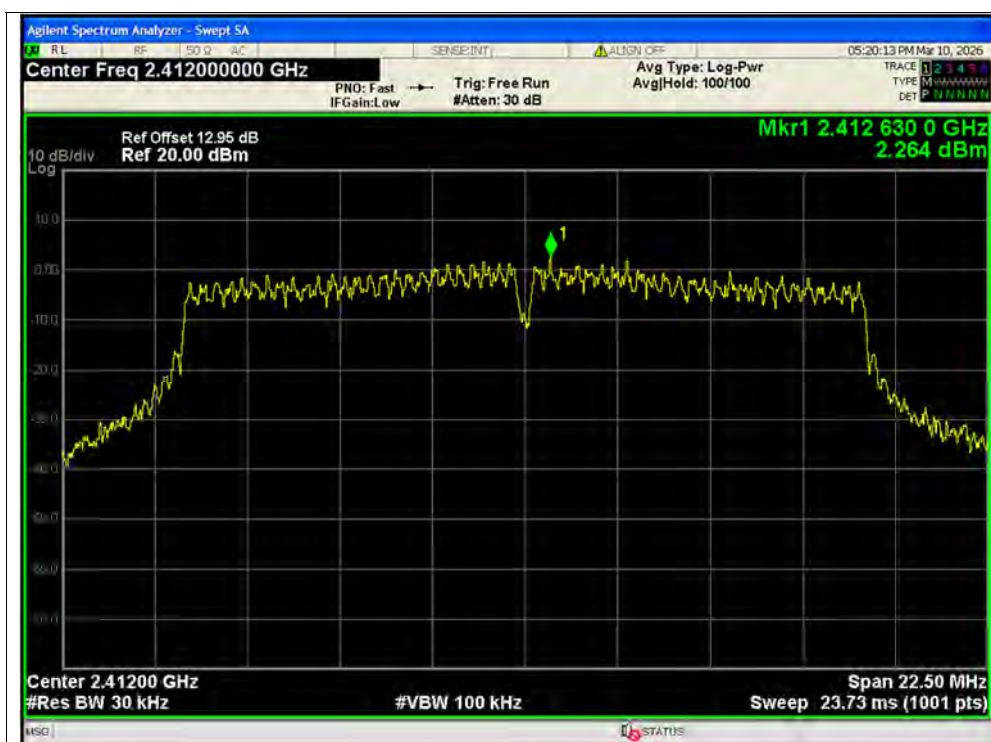
PSD NVNT b 2412MHz Ant2 SISO

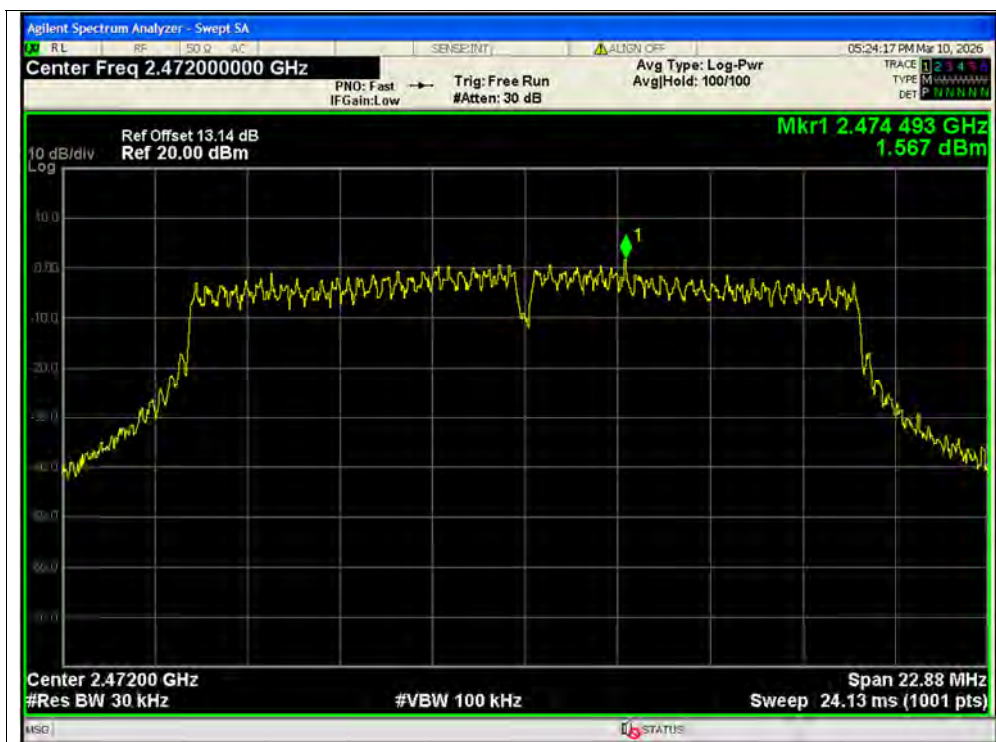


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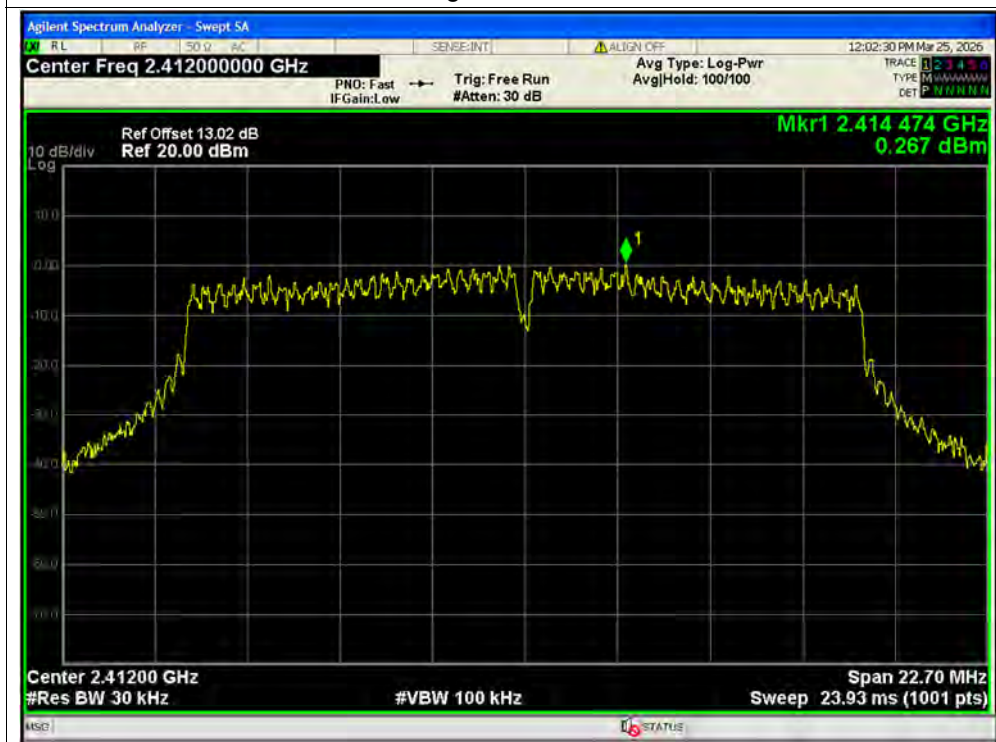


PSD NVNT b 2472MHz Ant2 SISO





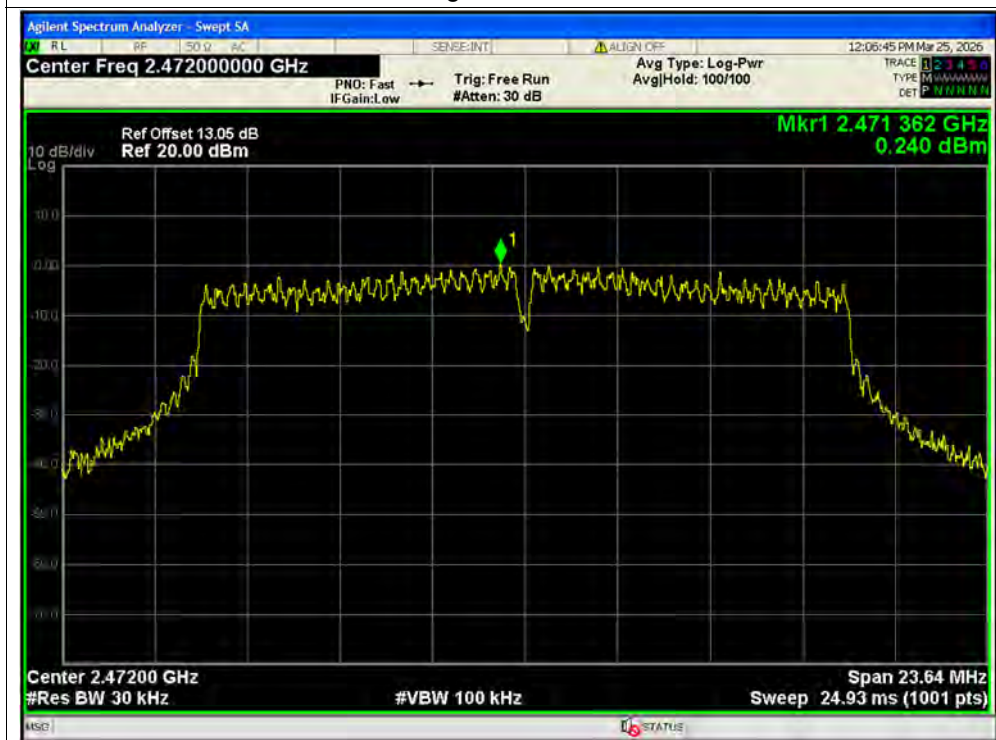
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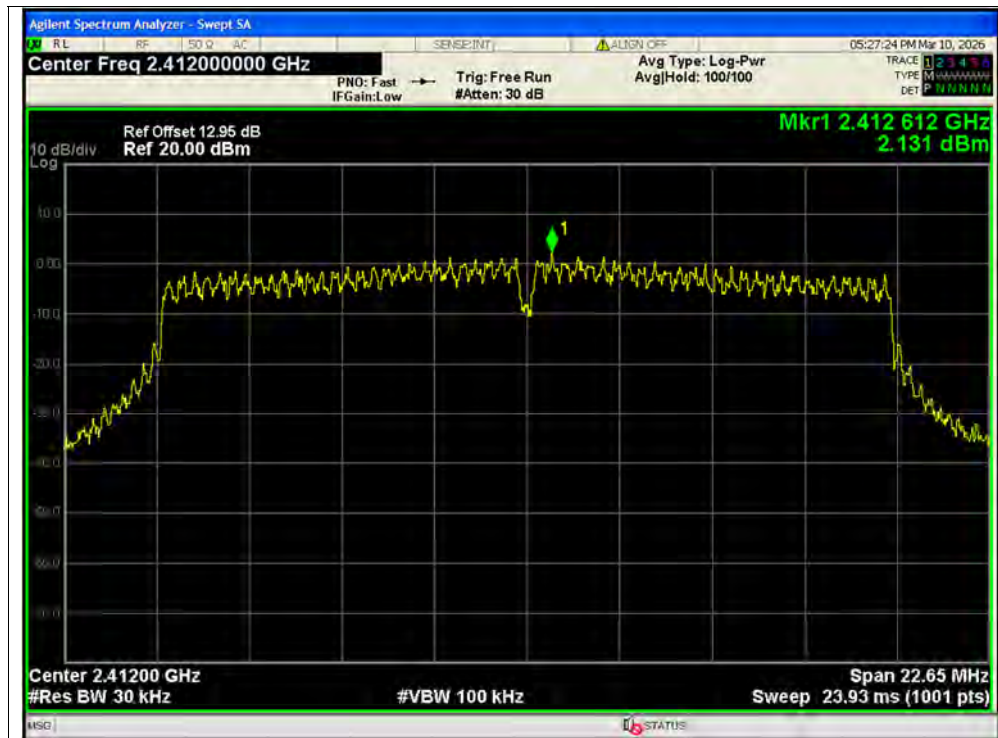
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PSD NVNT g 2442MHz Ant2 SISO



PSD NVNT g 2472MHz Ant2 SISO



PSD NVNT n20 2412MHz Ant1 SISO



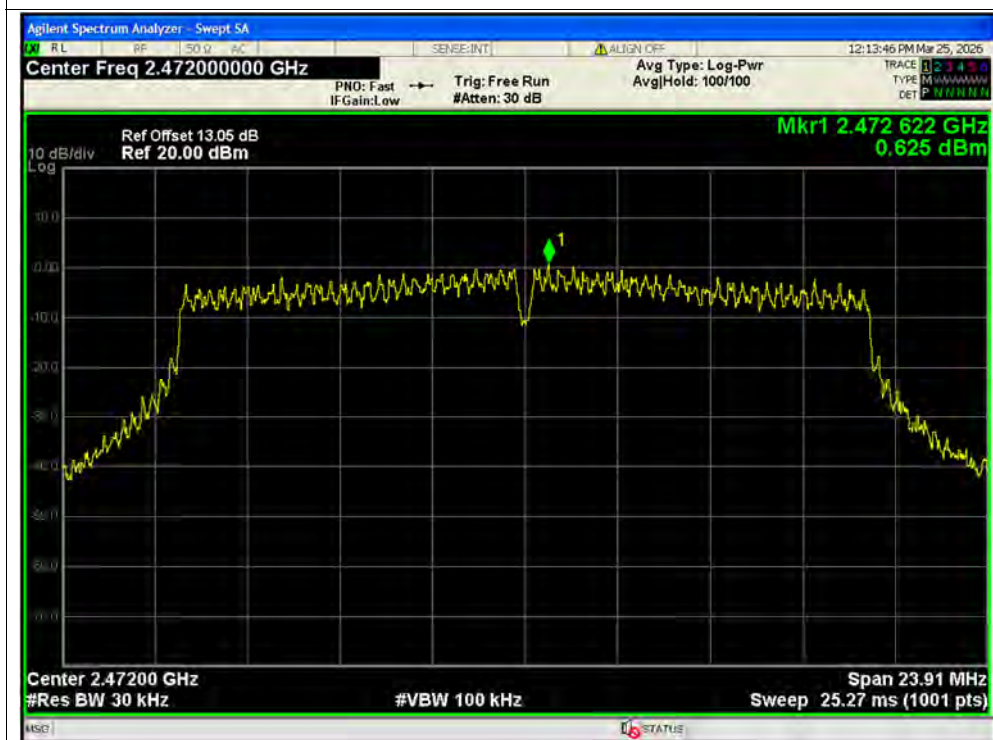
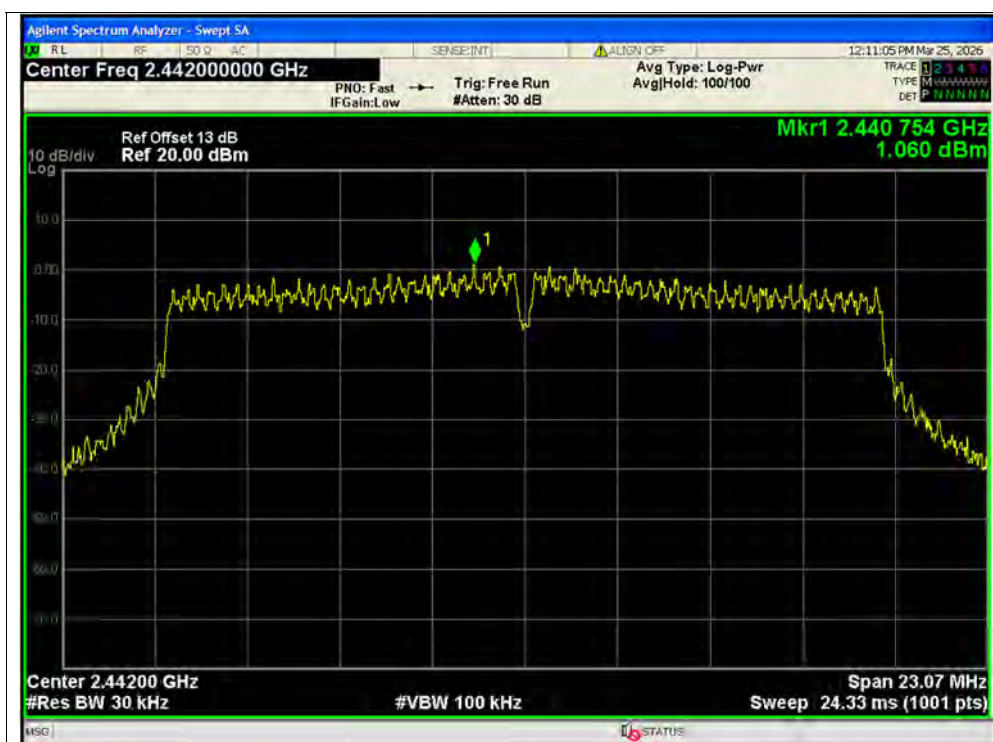
PSD NVNT n20 2442MHz Ant1 SISO

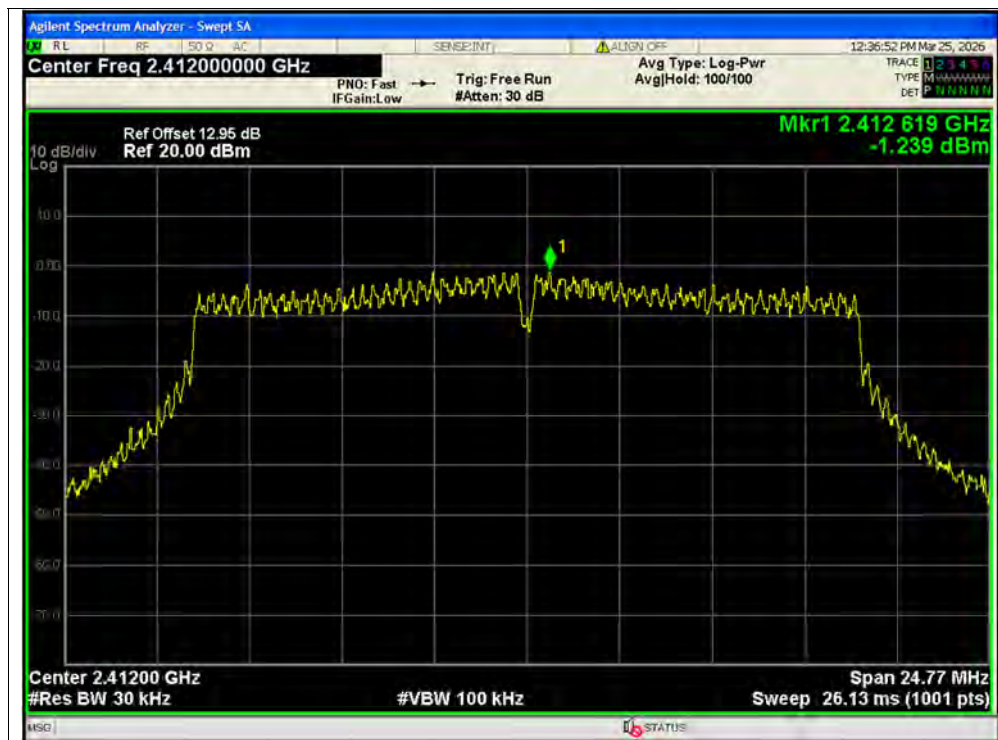


PSD NVNT n20 2472MHz Ant1 SISO



PSD NVNT n20 2412MHz Ant2 SISO

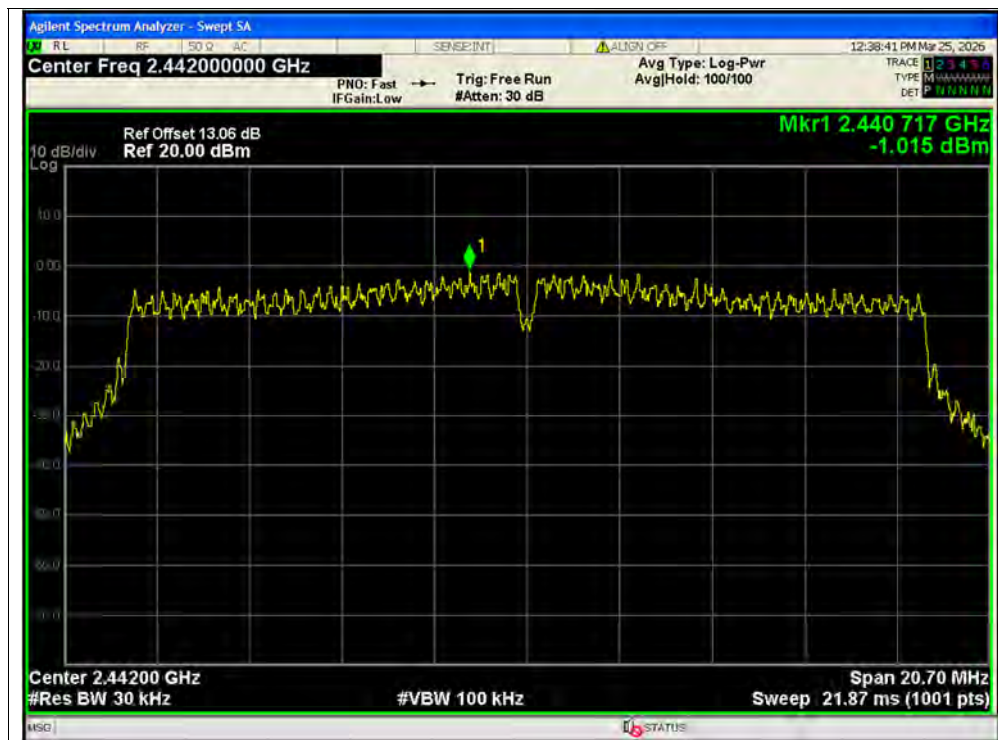




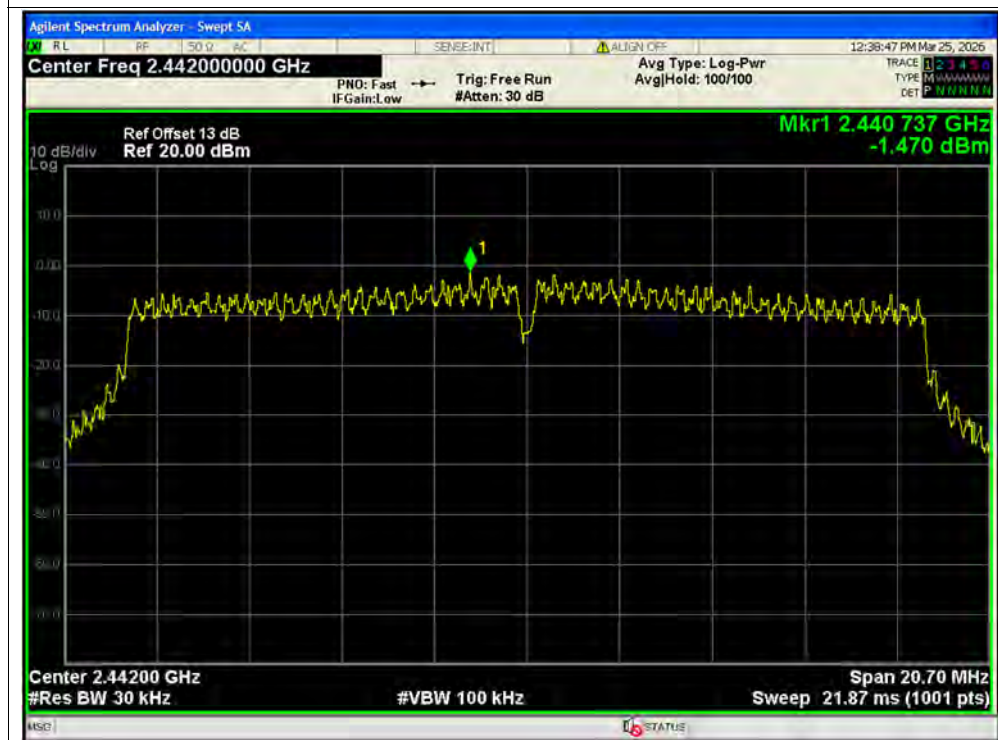
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PSD NVNT n20 2412MHz Ant2 MIMO



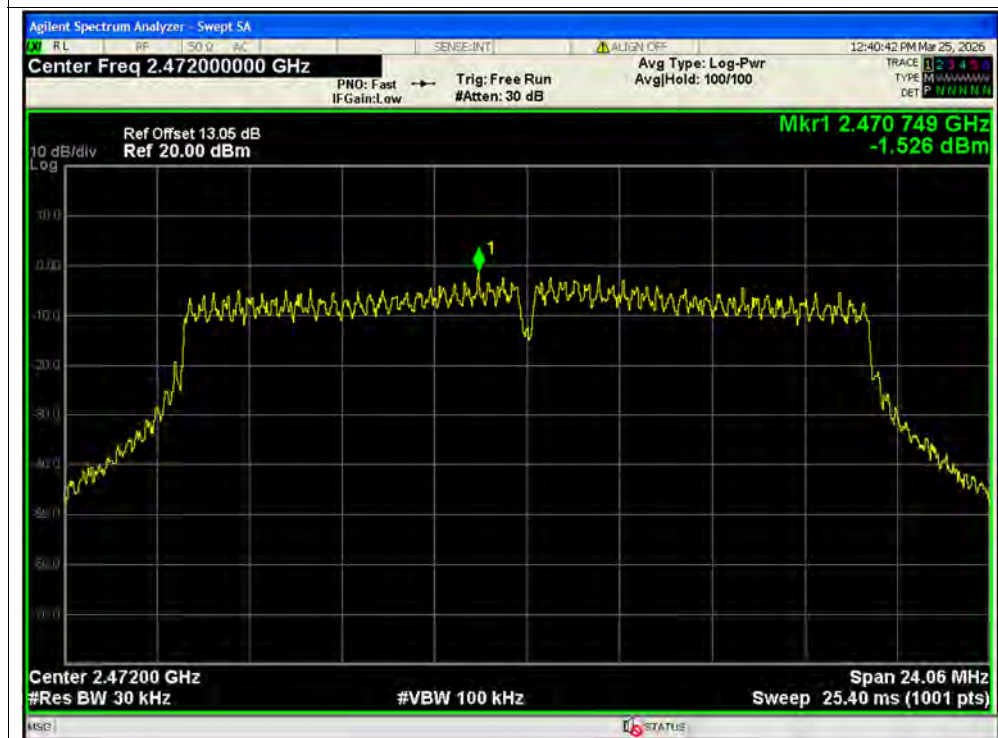
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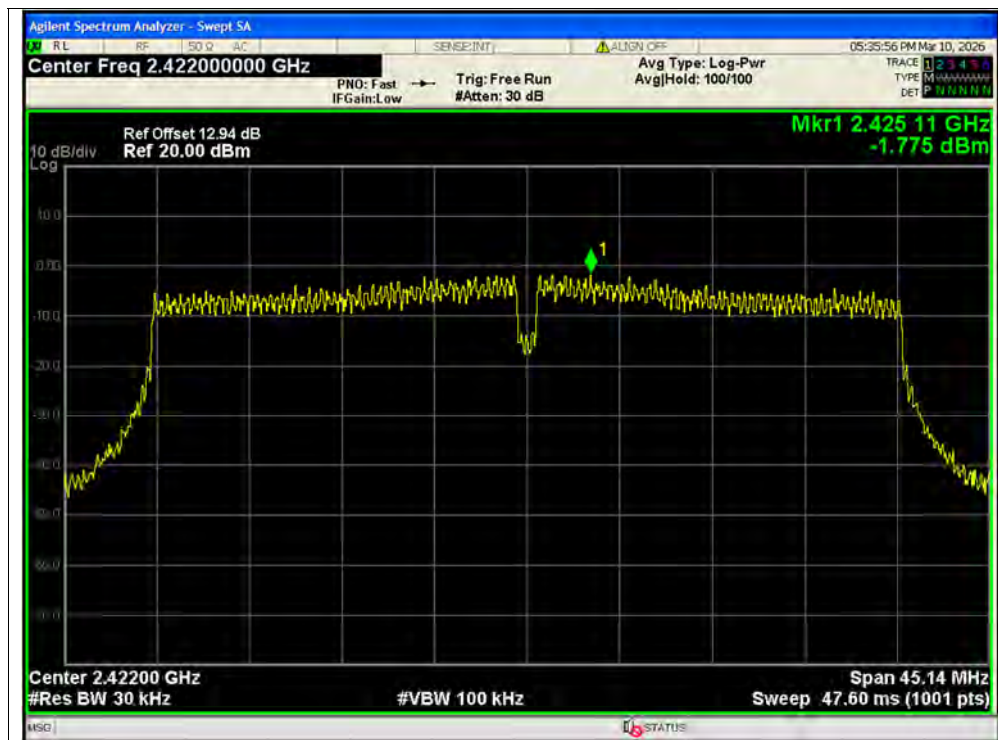
PSD NVNT n20 2442MHz Ant2 MIMO



PSD NVNT n20 2472MHz Ant1 MIMO



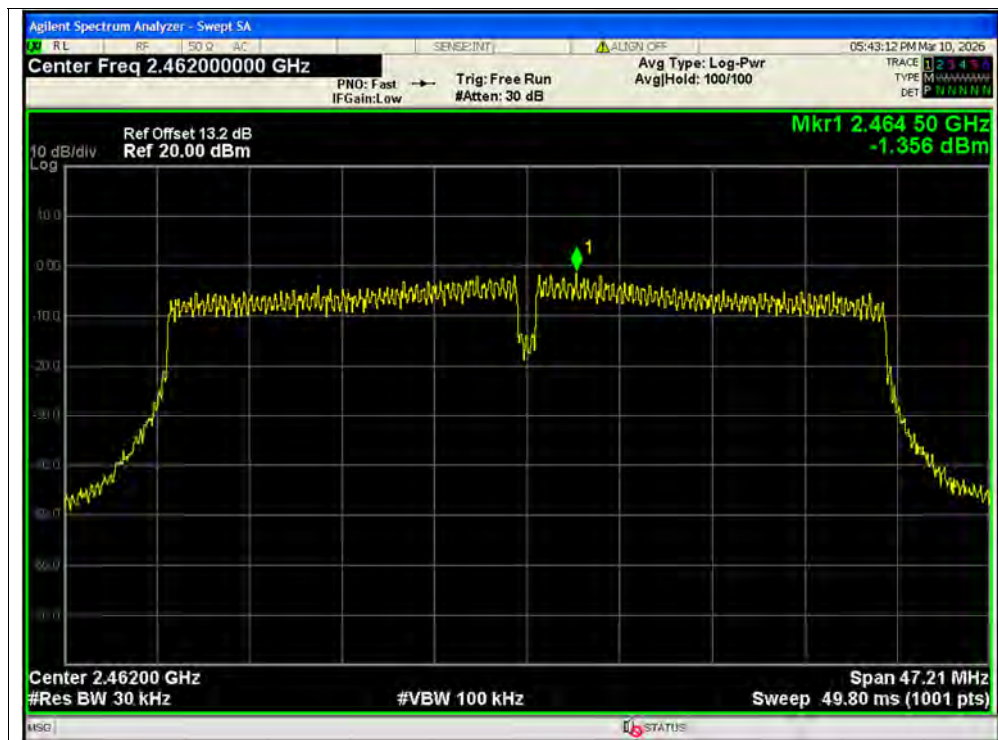
PSD NVNT n20 2472MHz Ant2 MIMO



PSD NVNT n40 2422MHz Ant1 SISO



PSD NVNT n40 2442MHz Ant1 SISO



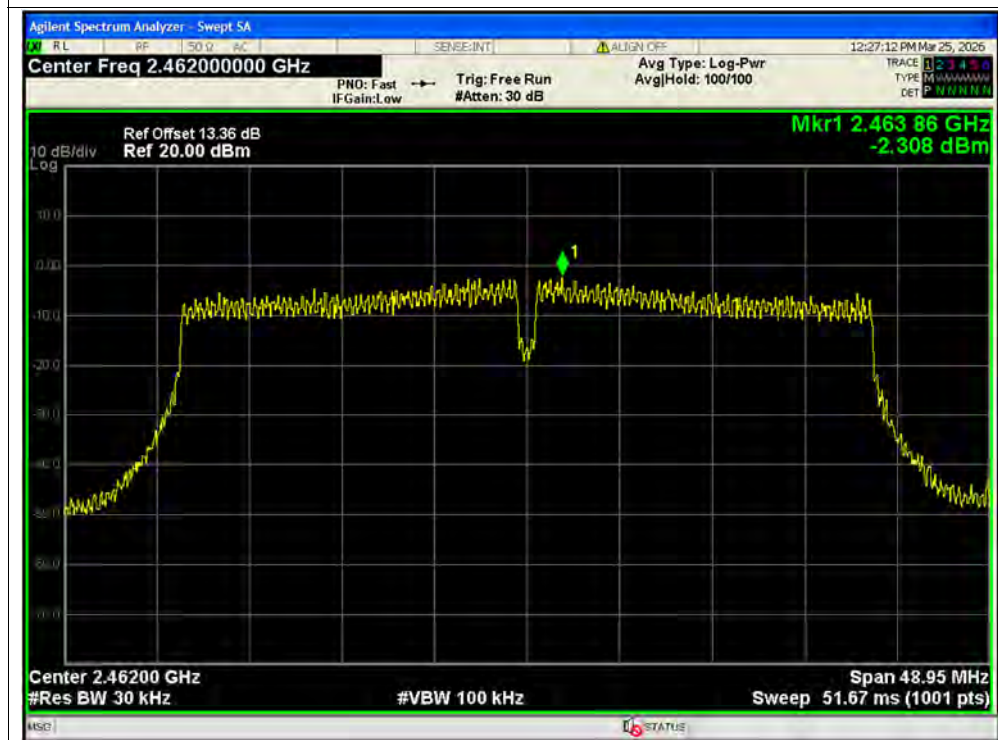
PSD NVNT n40 2462MHz Ant1 SISO



PSD NVNT n40 2422MHz Ant2 SISO



PSD NVNT n40 2442MHz Ant2 SISO



PSD NVNT n40 2462MHz Ant2 SISO



PSD NVNT n40 2422MHz Ant1 MIMO



PSD NVNT n40 2422MHz Ant2 MIMO



PSD NVNT n40 2442MHz Ant1 MIMO



PSD NVNT n40 2442MHz Ant2 MIMO



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PSD NVNT ax40 2422MHz Ant1 MIMO



PSD NVNT ax40 2422MHz Ant2 MIMO



PSD NVNT ax40 2442MHz Ant1 MIMO



PSD NVNT ax40 2442MHz Ant2 MIMO



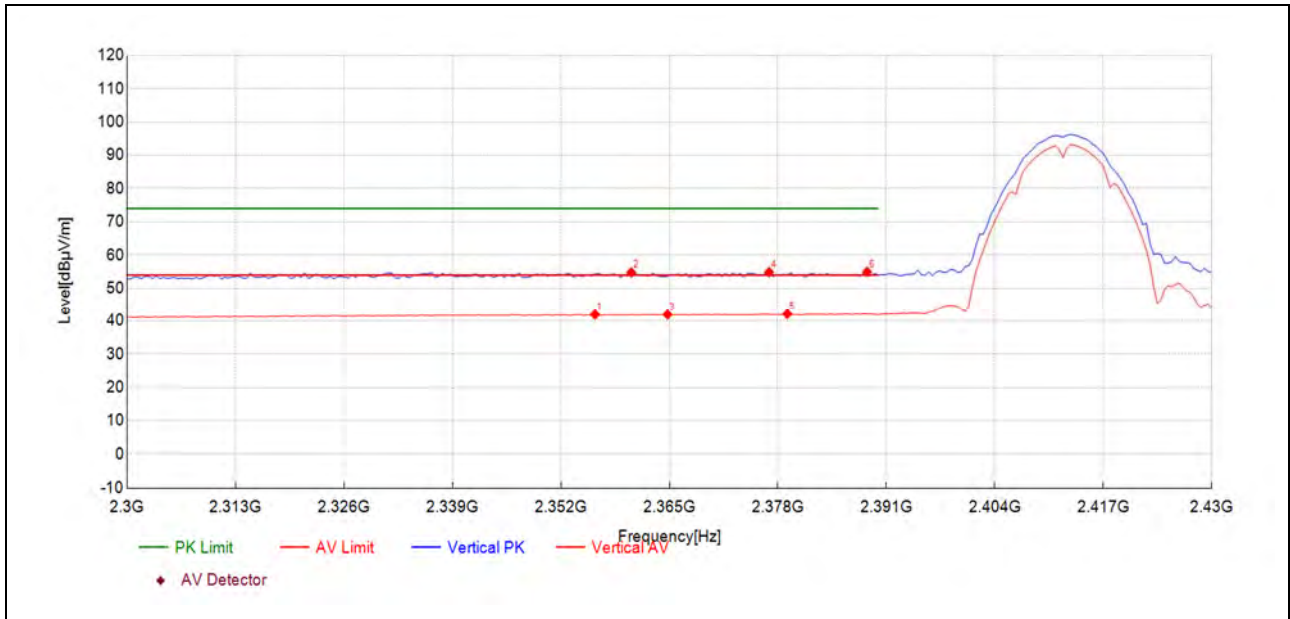
## A.8. Restricted Frequency Bands

**Note 1:** Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition was recorded in this test report.

**Note 2** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

### 802.11b Mode

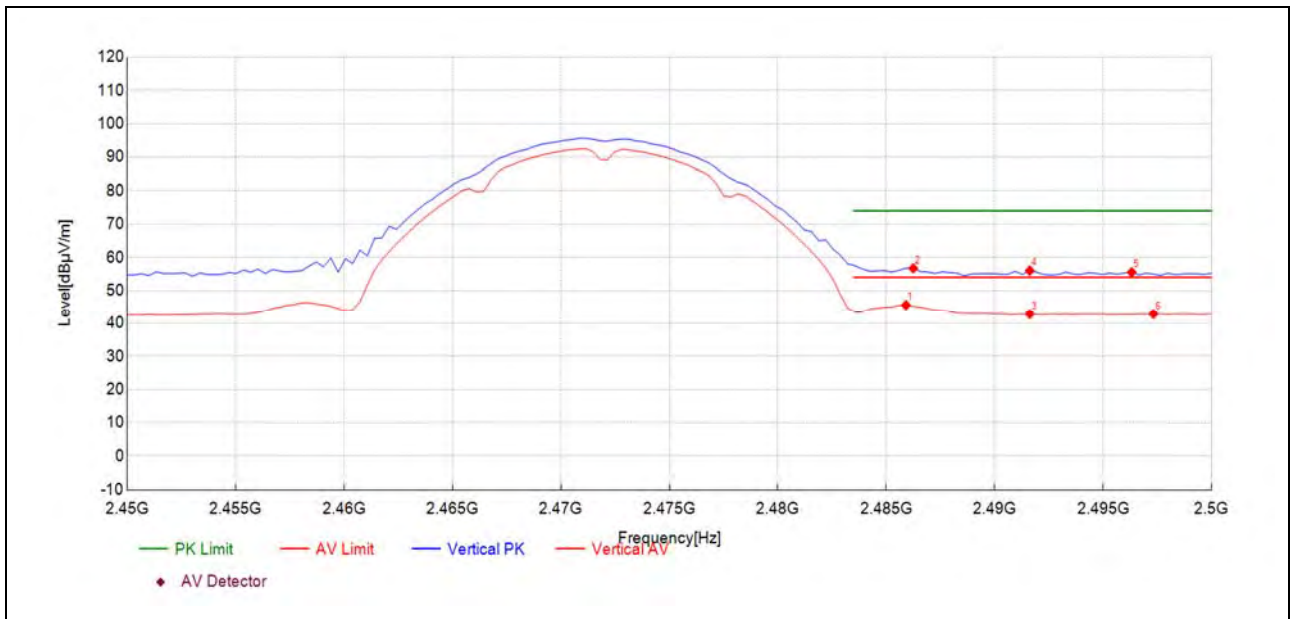
Plot for Channel 1



| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2356.09       | 9.5               | 41.89             | 32.420           | 54.00             | 12.11          | 165            | 320          | AV       | PASS    |
| 2360.43       | 22.3              | 54.78             | 32.440           | 74.00             | 19.22          | 165            | 0            | PK       | PASS    |
| 2364.78       | 9.4               | 41.87             | 32.450           | 54.00             | 12.13          | 165            | 0            | AV       | PASS    |
| 2376.96       | 22.4              | 54.86             | 32.490           | 74.00             | 19.14          | 165            | 140          | PK       | PASS    |
| 2379.13       | 9.5               | 42.04             | 32.510           | 54.00             | 11.96          | 165            | 159          | AV       | PASS    |
| 2388.70       | 22.4              | 54.95             | 32.540           | 74.00             | 19.05          | 165            | 245          | PK       | PASS    |



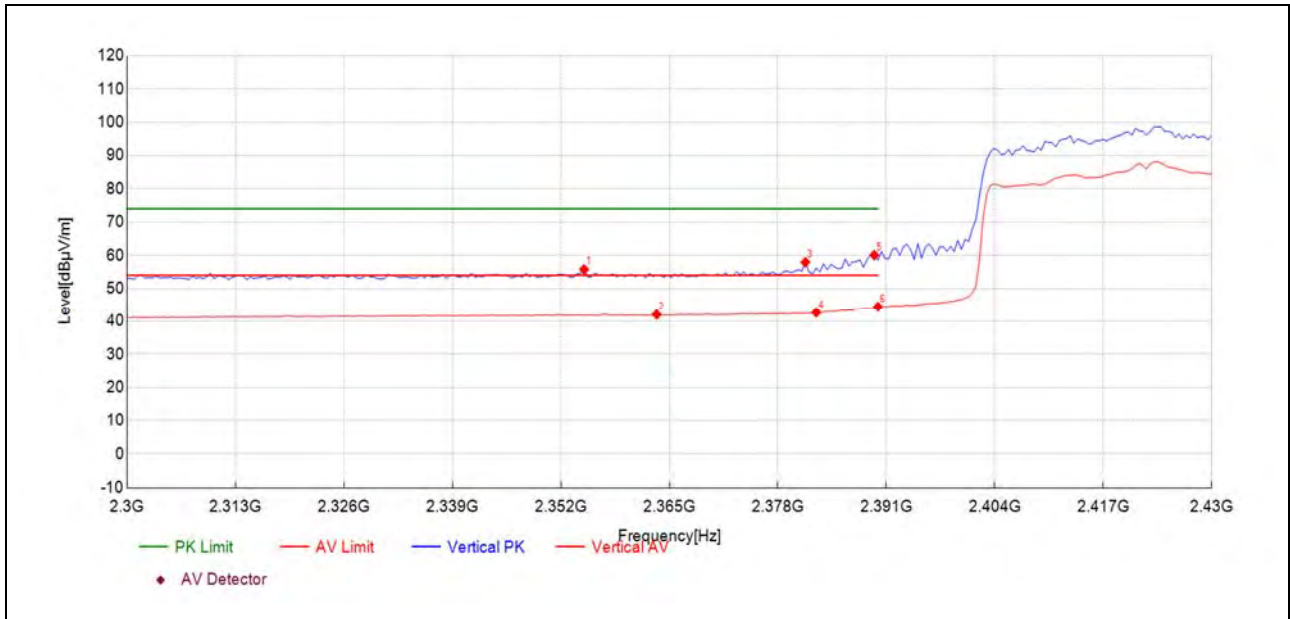
Plot for Channel 13



| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2485.91       | 12.6              | 45.60             | 33.030           | 54.00             | 8.40           | 165            | 112          | AV       | PASS    |
| 2486.24       | 23.7              | 56.73             | 33.030           | 74.00             | 17.27          | 165            | 133          | PK       | PASS    |
| 2491.61       | 9.8               | 42.78             | 33.020           | 54.00             | 11.22          | 165            | 358          | AV       | PASS    |
| 2491.61       | 23.0              | 56.03             | 33.020           | 74.00             | 17.97          | 165            | 10           | PK       | PASS    |
| 2496.31       | 22.5              | 55.52             | 33.010           | 74.00             | 18.48          | 165            | 112          | PK       | PASS    |
| 2497.32       | 9.8               | 42.80             | 33.010           | 54.00             | 11.20          | 165            | 112          | AV       | PASS    |

**802.11ax (HEW40) Mode**

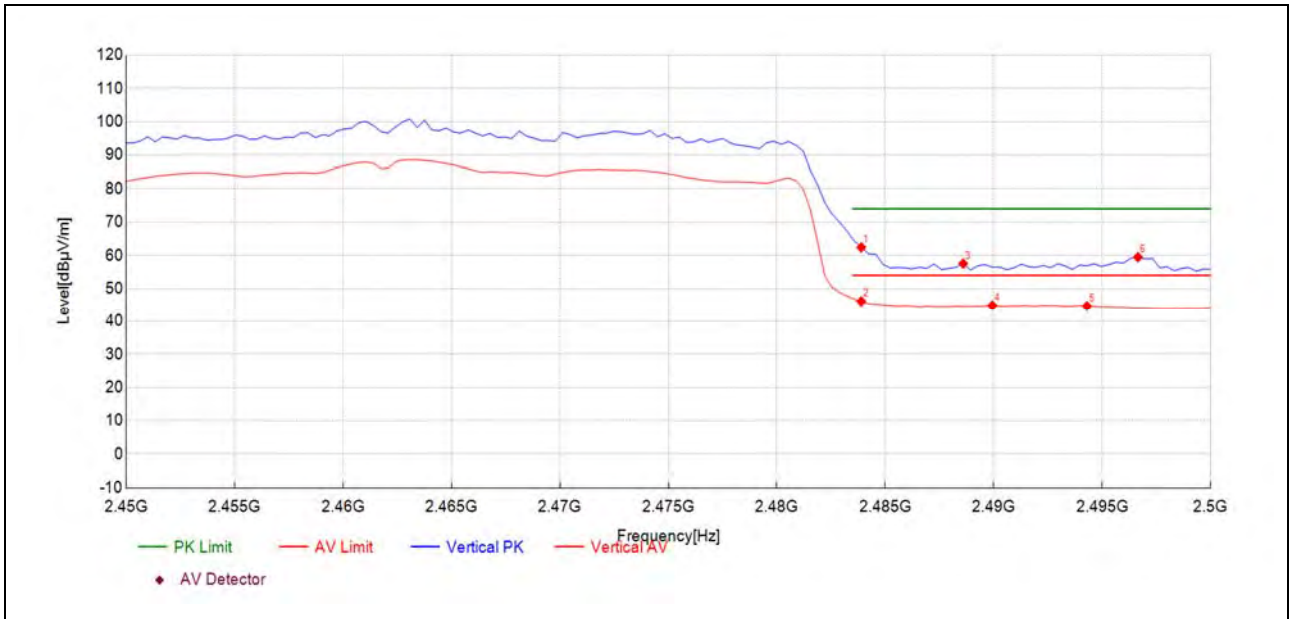
Plot for Channel 3



| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2354.78       | 23.3              | 55.76             | 32.420           | 74.00             | 18.24          | 165            | 281          | PK       | PASS    |
| 2363.48       | 9.6               | 42.00             | 32.450           | 54.00             | 12.00          | 165            | 104          | AV       | PASS    |
| 2381.30       | 25.5              | 57.96             | 32.510           | 74.00             | 16.04          | 165            | 57           | PK       | PASS    |
| 2382.61       | 10.1              | 42.65             | 32.520           | 54.00             | 11.35          | 165            | 104          | AV       | PASS    |
| 2389.57       | 27.5              | 60.08             | 32.540           | 74.00             | 13.92          | 165            | 57           | PK       | PASS    |
| 2390.00       | 11.9              | 44.44             | 32.540           | 54.00             | 9.56           | 165            | 104          | AV       | PASS    |



Plot for Channel 11



| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2483.89       | 29.4              | 62.44             | 33.030           | 74.00             | 11.56          | 165            | 129          | PK       | PASS    |
| 2483.89       | 13.1              | 46.15             | 33.030           | 54.00             | 7.85           | 165            | 111          | AV       | PASS    |
| 2488.59       | 24.5              | 57.56             | 33.020           | 74.00             | 16.44          | 165            | 231          | PK       | PASS    |
| 2489.93       | 11.9              | 44.90             | 33.020           | 54.00             | 9.10           | 165            | 111          | AV       | PASS    |
| 2494.30       | 11.7              | 44.69             | 33.010           | 54.00             | 9.31           | 165            | 111          | AV       | PASS    |
| 2496.64       | 26.5              | 59.48             | 33.010           | 74.00             | 14.52          | 165            | 129          | PK       | PASS    |



### A.9. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  were built in test software.

**Note1:** All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

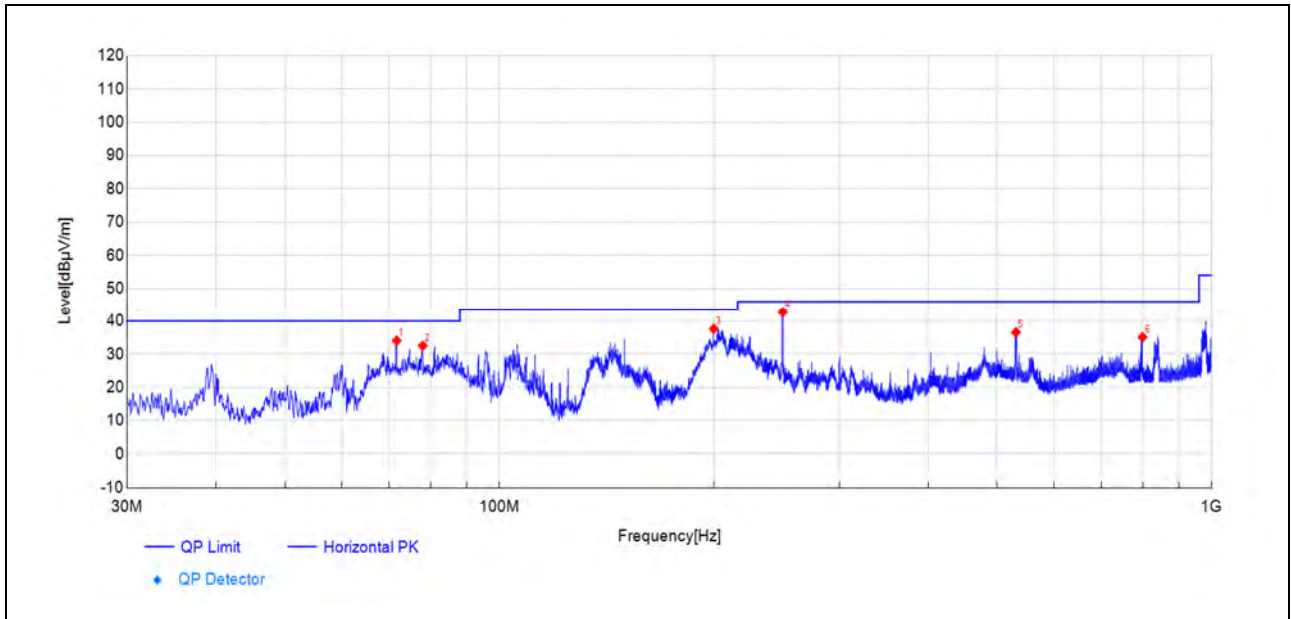
**Note2:** For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**Note3:** For the frequency, which started from 18GHz to 40GHz harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**Note4:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

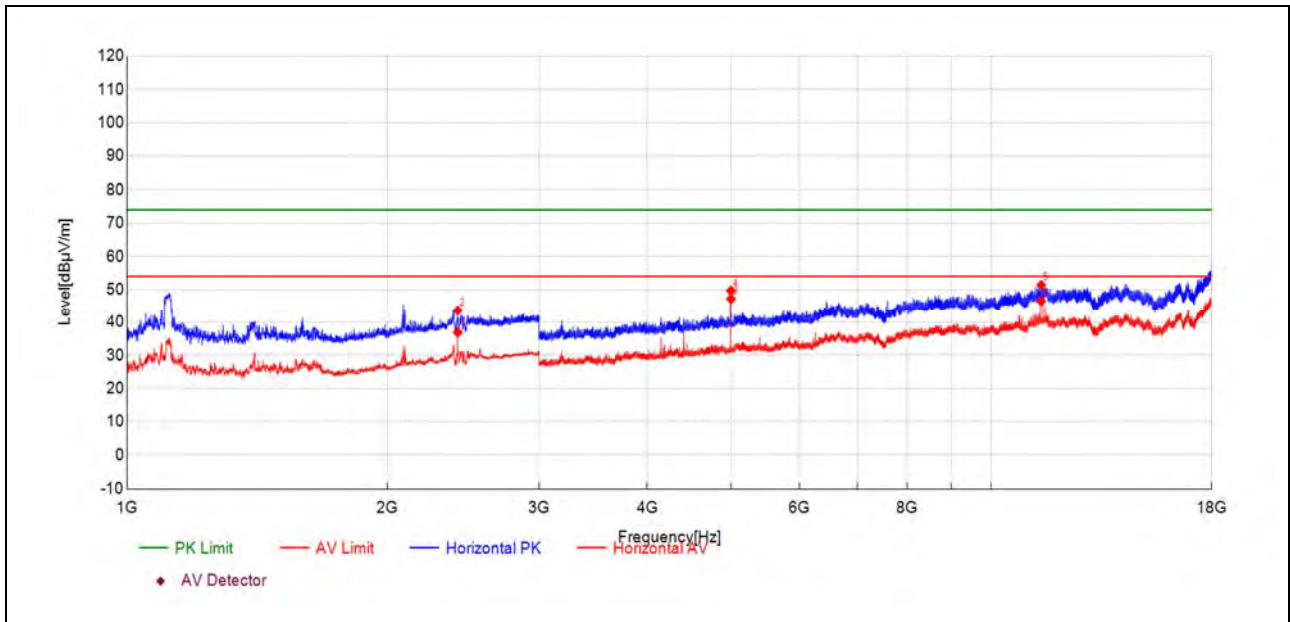
**802.11b Mode**

## Plot for Channel 1



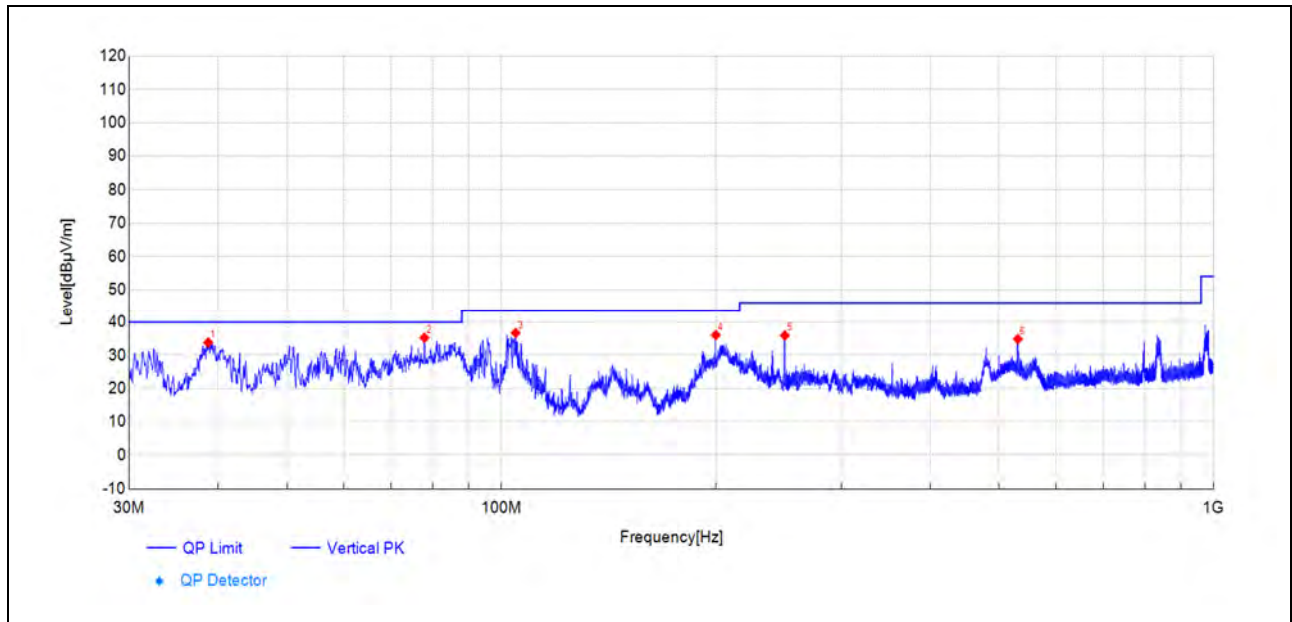
(Antenna Horizontal, 30MHz to 1GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 71.74         | 68.9              | 34.07             | -34.810          | 40.00             | 5.93           | 165            | 359          | PK       | PASS    |
| 78.03         | 67.8              | 32.53             | -35.300          | 40.00             | 7.47           | 165            | 189          | PK       | PASS    |
| 199.97        | 67.9              | 37.63             | -30.220          | 43.50             | 5.87           | 165            | 355          | PK       | PASS    |
| 250.00        | 70.9              | 42.75             | -28.120          | 46.00             | 3.25           | 165            | 349          | PK       | PASS    |
| 531.02        | 58.0              | 36.61             | -21.400          | 46.00             | 9.39           | 165            | 264          | PK       | PASS    |
| 799.76        | 51.7              | 35.12             | -16.570          | 46.00             | 10.88          | 165            | 62           | PK       | PASS    |



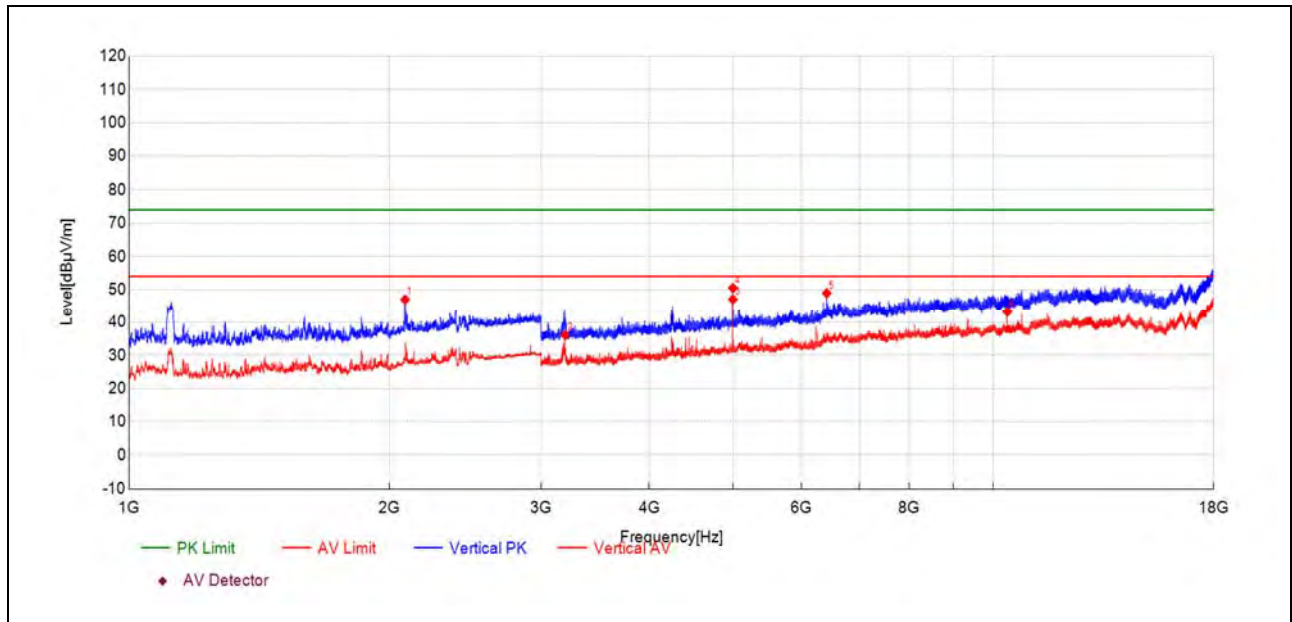
(Antenna Horizontal, 1GHz to 18GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2413.92       | 36.1              | 36.89             | 0.830            | -                 | -              | 165            | 135          | AV       | NA      |
| 2413.92       | 42.8              | 43.63             | 0.830            | -                 | -              | 165            | 135          | PK       | NA      |
| 4999.67       | 57.2              | 47.20             | -10.010          | 54.00             | 6.80           | 165            | 209          | AV       | PASS    |
| 4999.67       | 59.7              | 49.68             | -10.010          | 74.00             | 24.32          | 165            | 209          | PK       | PASS    |
| 11426.82      | 48.7              | 51.39             | 2.650            | 74.00             | 22.61          | 165            | 162          | PK       | PASS    |
| 11426.82      | 43.9              | 46.51             | 2.650            | 54.00             | 7.49           | 165            | 183          | AV       | PASS    |



(Antenna Vertical, 30MHz to 1GHz)

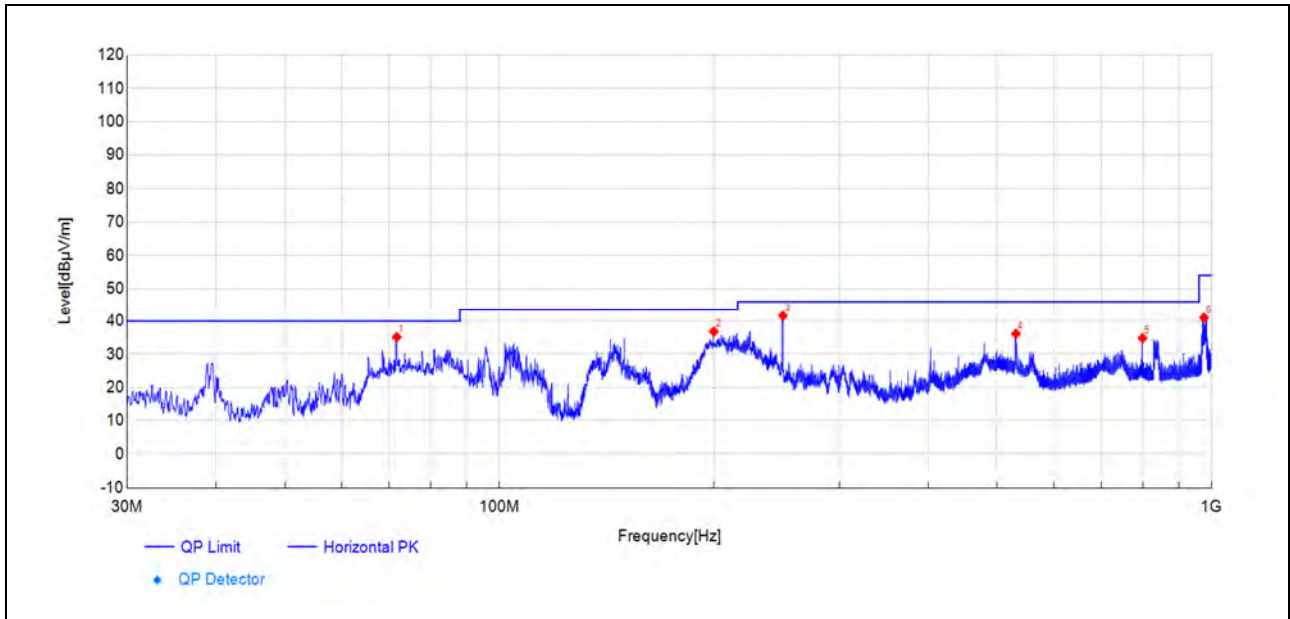
| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 38.76         | 63.3              | 33.83             | -29.490          | 40.00             | 6.17           | 165            | 47           | PK       | PASS    |
| 77.97         | 70.6              | 35.29             | -35.300          | 40.00             | 4.71           | 165            | 147          | PK       | PASS    |
| 104.72        | 67.1              | 36.72             | -30.390          | 43.50             | 6.78           | 165            | 311          | PK       | PASS    |
| 199.97        | 66.3              | 36.09             | -30.220          | 43.50             | 7.41           | 165            | 97           | PK       | PASS    |
| 250.00        | 64.1              | 35.99             | -28.120          | 46.00             | 10.01          | 165            | 13           | PK       | PASS    |
| 531.02        | 56.3              | 34.87             | -21.400          | 46.00             | 11.13          | 165            | 13           | PK       | PASS    |



(Antenna Vertical, 1GHz to 18GHz)

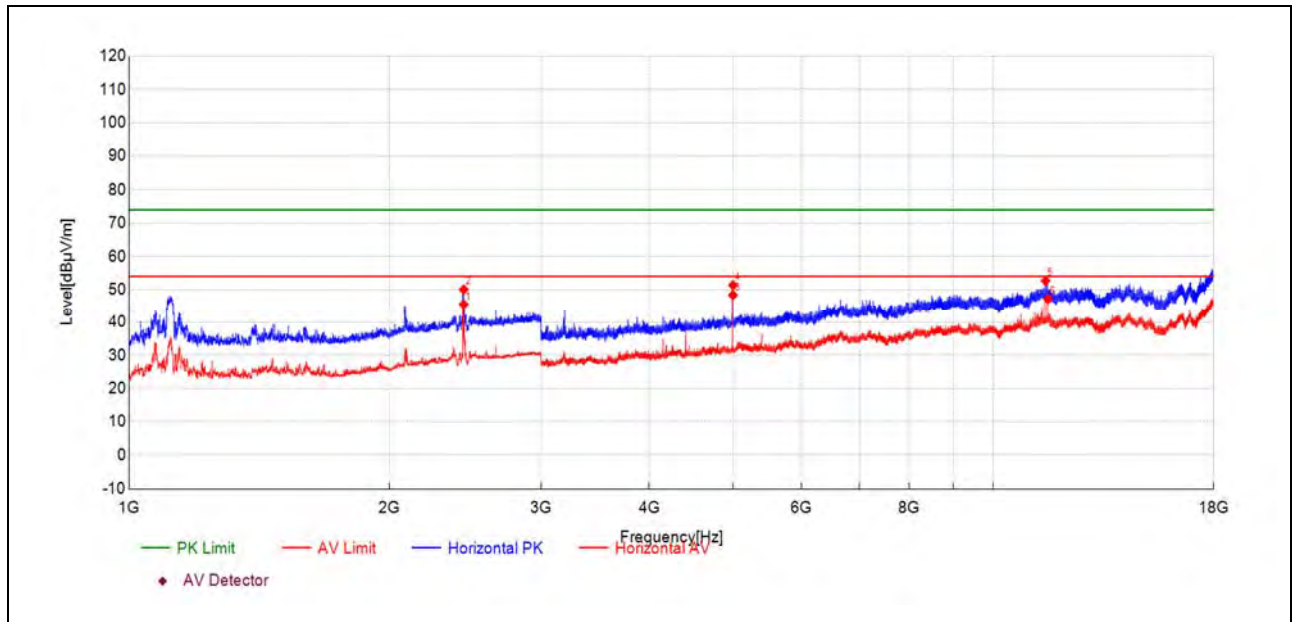
| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2087.18       | 48.2              | 47.01             | -1.180           | 74.00             | 26.99          | 165            | 288          | PK       | PASS    |
| 3197.87       | 51.6              | 36.10             | -15.500          | 54.00             | 17.90          | 165            | 184          | AV       | PASS    |
| 4999.67       | 57.1              | 47.04             | -10.010          | 54.00             | 6.96           | 165            | 279          | AV       | PASS    |
| 4999.67       | 60.5              | 50.48             | -10.010          | 74.00             | 23.52          | 165            | 256          | PK       | PASS    |
| 6420.17       | 53.9              | 48.94             | -4.990           | 74.00             | 25.06          | 165            | 232          | PK       | PASS    |
| 10388.10      | 44.0              | 43.19             | -0.810           | 54.00             | 10.81          | 165            | 184          | AV       | PASS    |

Plot for Channel 7



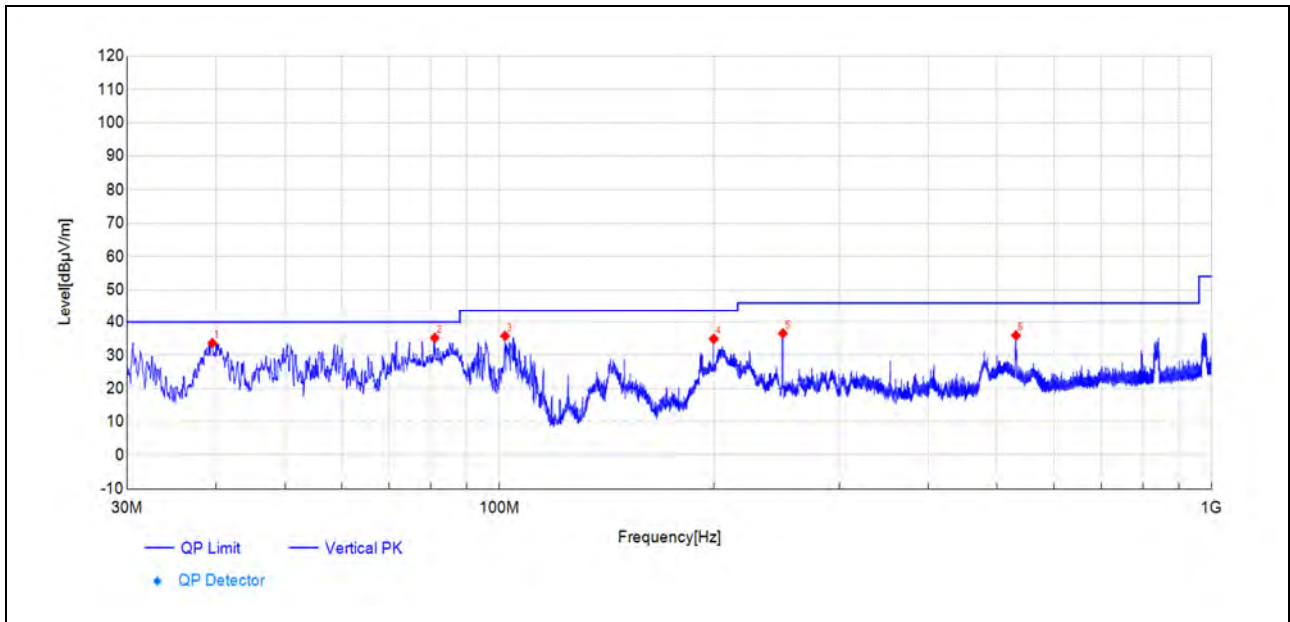
(Antenna Horizontal, 30MHz to 1GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 71.74         | 69.9              | 35.12             | -34.810          | 40.00             | 4.88           | 165            | 355          | PK       | PASS    |
| 199.97        | 67.0              | 36.81             | -30.220          | 43.50             | 6.69           | 165            | 111          | PK       | PASS    |
| 250.00        | 69.7              | 41.58             | -28.120          | 46.00             | 4.42           | 165            | 340          | PK       | PASS    |
| 530.96        | 57.6              | 36.16             | -21.410          | 46.00             | 9.84           | 165            | 238          | PK       | PASS    |
| 799.70        | 51.4              | 34.81             | -16.570          | 46.00             | 11.19          | 165            | 73           | PK       | PASS    |
| 975.25        | 54.7              | 41.01             | -13.640          | 54.00             | 12.99          | 165            | 111          | PK       | PASS    |



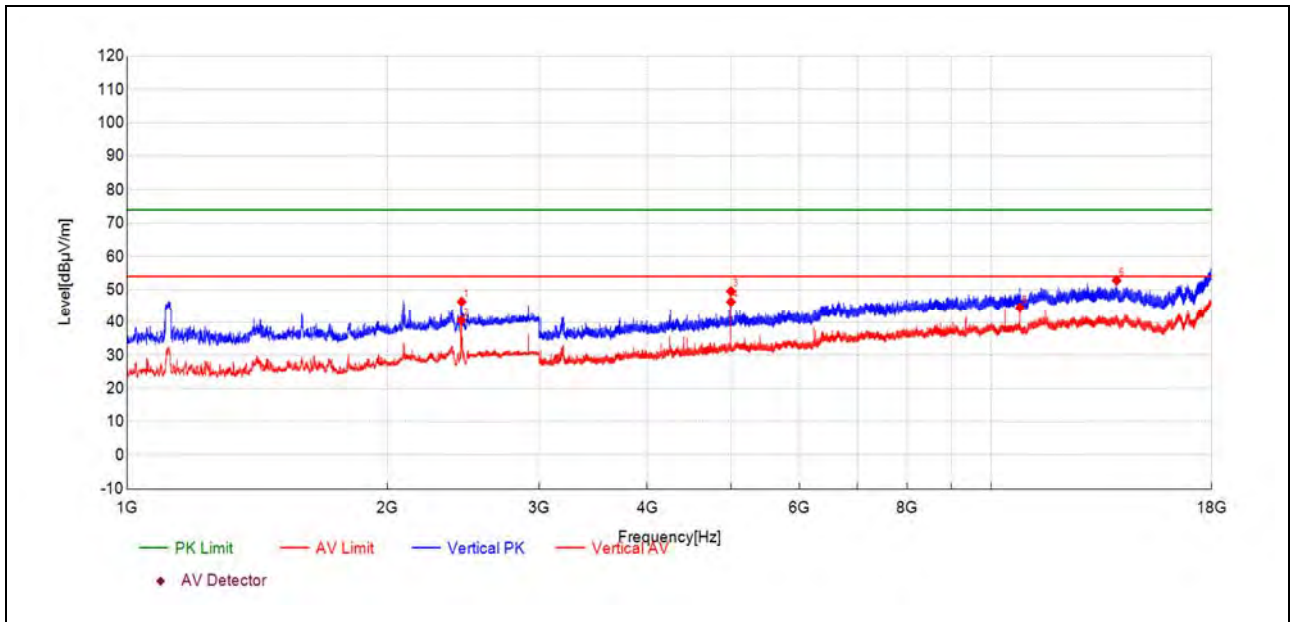
(Antenna Horizontal, 1GHz to 18GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2439.80       | 44.5              | 45.54             | 1.010            | -                 | -              | 165            | 316          | AV       | NA      |
| 2440.29       | 49.0              | 50.05             | 1.010            | -                 | -              | 165            | 328          | PK       | NA      |
| 4999.67       | 58.4              | 48.37             | -10.010          | 54.00             | 5.63           | 165            | 221          | AV       | PASS    |
| 5000.17       | 61.4              | 51.34             | -10.010          | 74.00             | 22.66          | 165            | 221          | PK       | PASS    |
| 11501.08      | 50.0              | 52.70             | 2.660            | 74.00             | 21.30          | 165            | 175          | PK       | PASS    |
| 11575.34      | 44.4              | 47.20             | 2.810            | 54.00             | 6.80           | 165            | 196          | AV       | PASS    |



(Antenna Vertical, 30MHz to 1GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 39.52         | 62.9              | 33.67             | -29.250          | 40.00             | 6.33           | 165            | 32           | PK       | PASS    |
| 81.15         | 70.3              | 35.24             | -35.020          | 40.00             | 4.76           | 165            | 145          | PK       | PASS    |
| 101.84        | 66.1              | 35.82             | -30.310          | 43.50             | 7.68           | 165            | 32           | PK       | PASS    |
| 199.97        | 65.1              | 34.92             | -30.220          | 43.50             | 8.58           | 165            | 121          | PK       | PASS    |
| 250.00        | 64.7              | 36.58             | -28.120          | 46.00             | 9.42           | 165            | 20           | PK       | PASS    |
| 531.14        | 57.4              | 35.99             | -21.400          | 46.00             | 10.01          | 165            | 12           | PK       | PASS    |

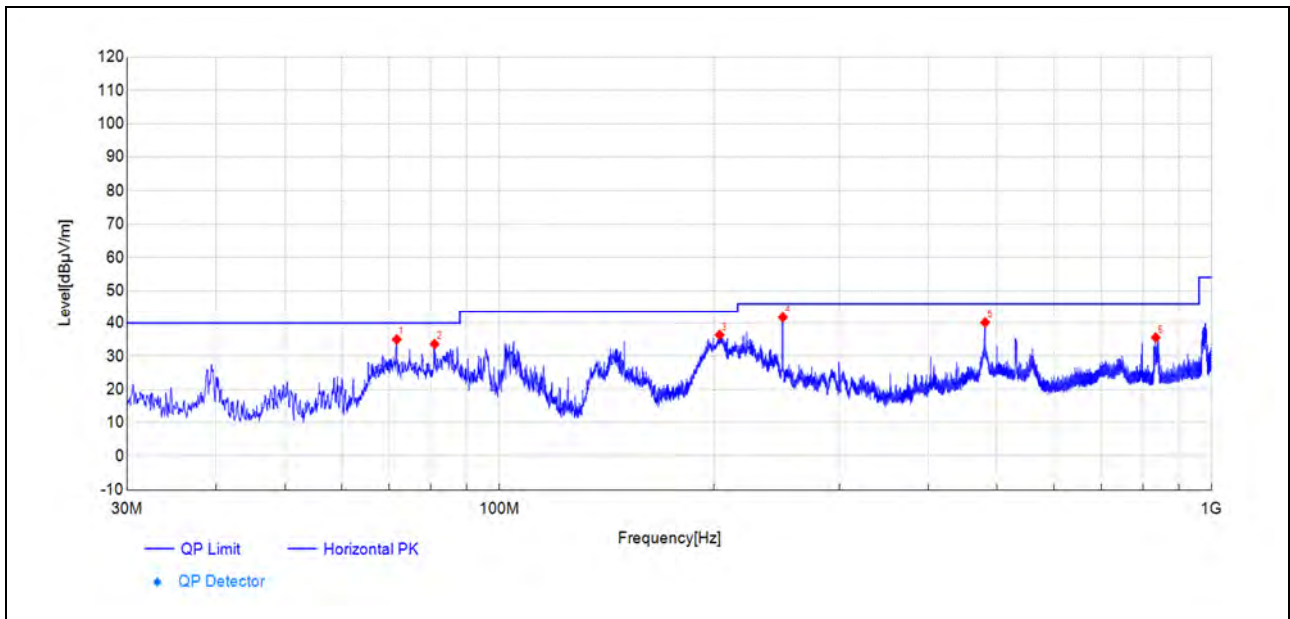


(Antenna Vertical, 1GHz to 18GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2439.32       | 45.3              | 46.34             | 1.000            | -                 | -              | 165            | 111          | PK       | NA      |
| 2439.32       | 39.6              | 40.58             | 1.000            | -                 | -              | 165            | 111          | AV       | NA      |
| 4999.67       | 59.5              | 49.52             | -10.010          | 74.00             | 24.48          | 165            | 258          | PK       | PASS    |
| 4999.67       | 56.3              | 46.32             | -10.010          | 54.00             | 7.68           | 165            | 280          | AV       | PASS    |
| 10799.80      | 44.3              | 44.50             | 0.180            | 54.00             | 9.50           | 165            | 211          | AV       | PASS    |
| 13972.25      | 47.6              | 52.80             | 5.250            | 74.00             | 21.20          | 165            | 258          | PK       | PASS    |

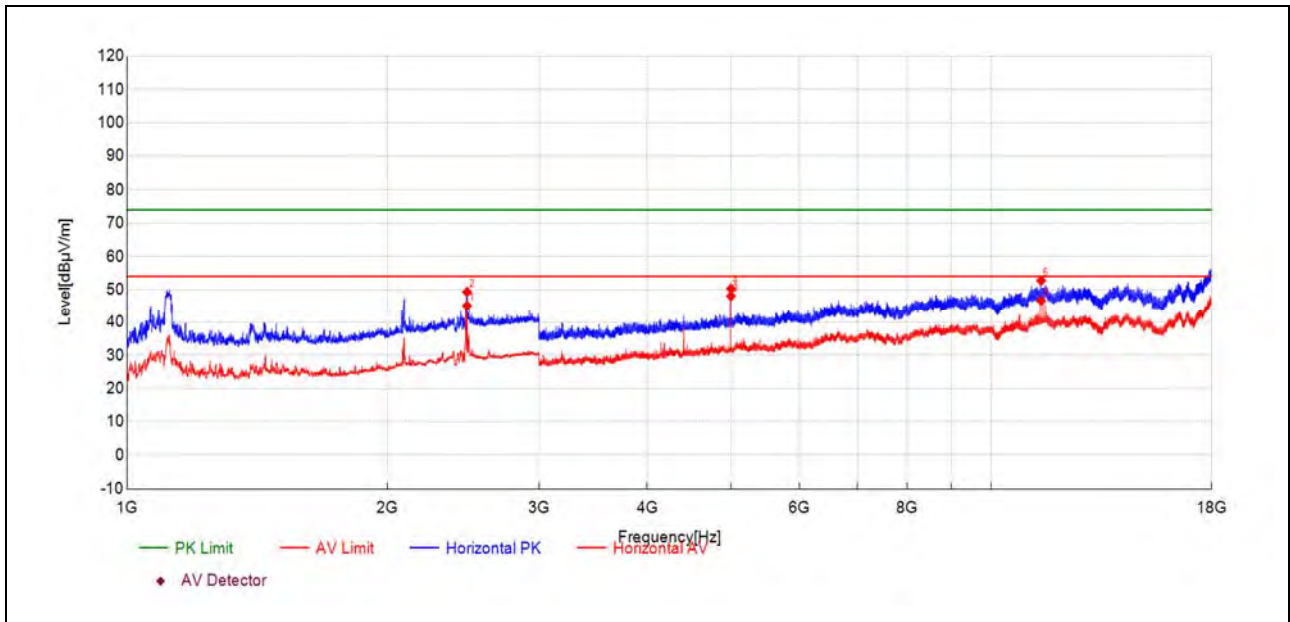


## Plot for Channel 13



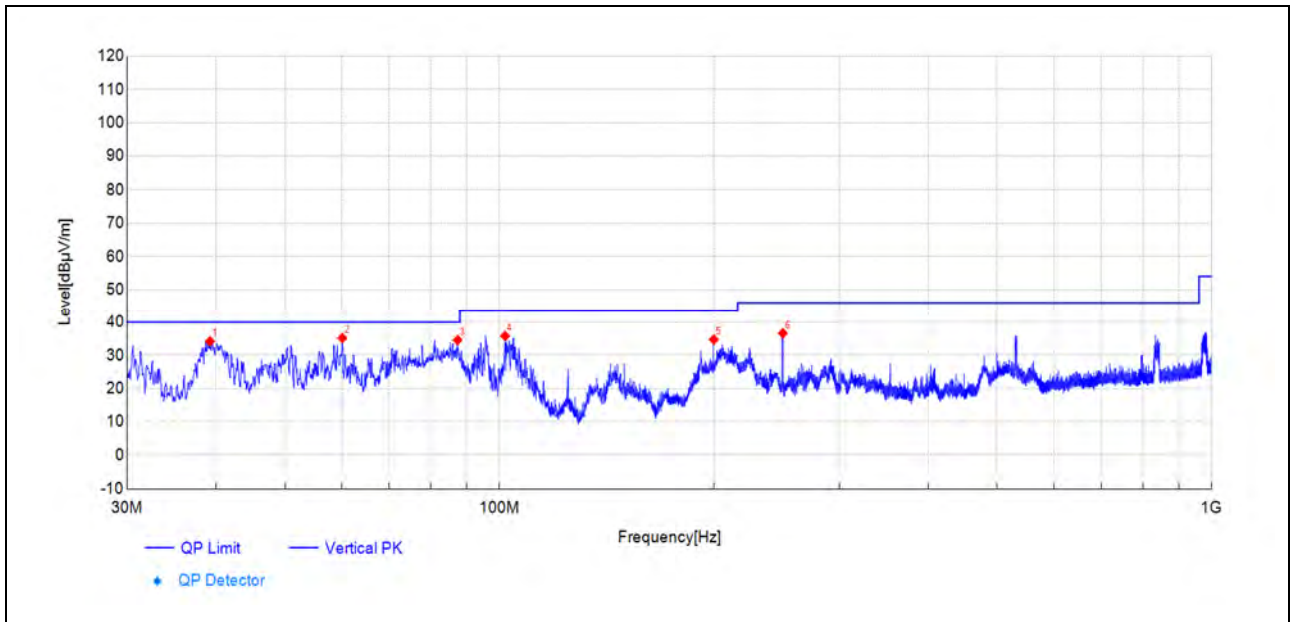
(Antenna Horizontal, 30MHz to 1GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 71.74         | 69.9              | 35.04             | -34.810          | 40.00             | 4.96           | 165            | 177          | PK       | PASS    |
| 81.09         | 68.7              | 33.64             | -35.030          | 40.00             | 6.36           | 165            | 10           | PK       | PASS    |
| 203.79        | 66.6              | 36.39             | -30.190          | 43.50             | 7.11           | 165            | 341          | PK       | PASS    |
| 250.00        | 69.9              | 41.73             | -28.120          | 46.00             | 4.27           | 165            | 341          | PK       | PASS    |
| 480.70        | 62.5              | 40.16             | -22.320          | 46.00             | 5.84           | 165            | 139          | PK       | PASS    |
| 834.50        | 51.5              | 35.61             | -15.910          | 46.00             | 10.39          | 165            | 124          | PK       | PASS    |



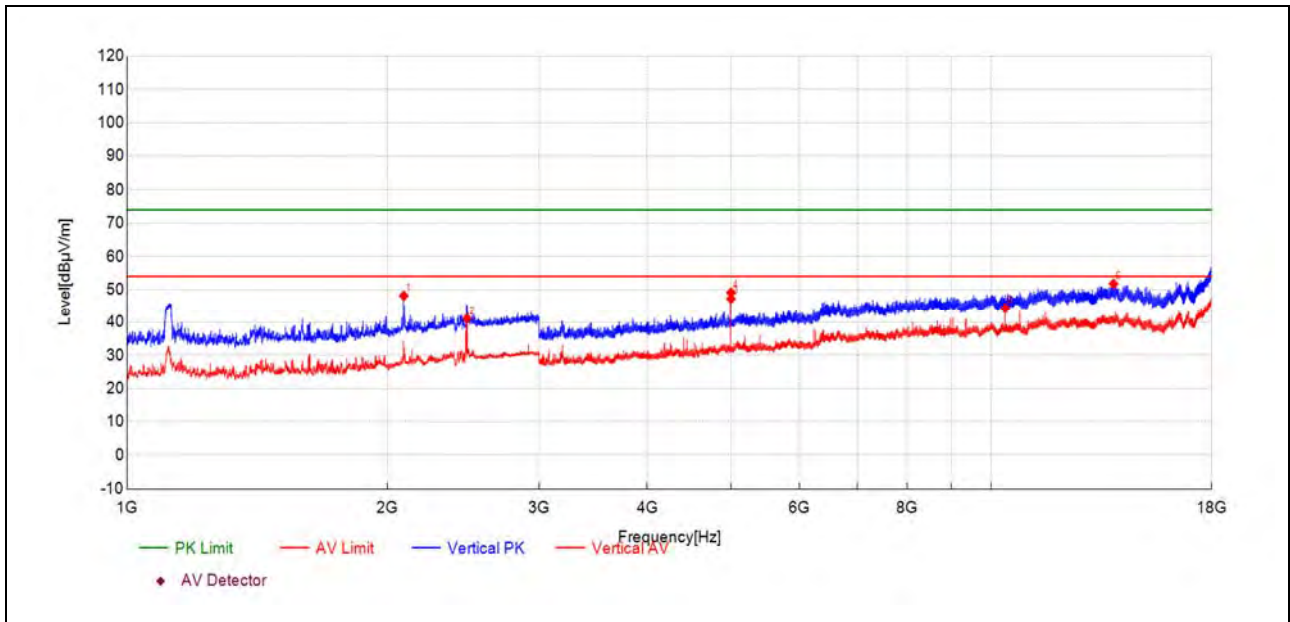
(Antenna Horizontal, 1GHz to 18GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2474.48       | 44.2              | 45.13             | 0.950            | -                 | -              | 165            | 326          | AV       | NA      |
| 2474.97       | 48.4              | 49.29             | 0.940            | -                 | -              | 165            | 326          | PK       | NA      |
| 4999.67       | 58.1              | 48.06             | -10.010          | 54.00             | 5.94           | 165            | 221          | AV       | PASS    |
| 5000.17       | 60.3              | 50.29             | -10.010          | 74.00             | 23.71          | 165            | 221          | PK       | PASS    |
| 11426.82      | 44.0              | 46.64             | 2.650            | 54.00             | 7.36           | 165            | 173          | AV       | PASS    |
| 11426.82      | 50.1              | 52.75             | 2.650            | 74.00             | 21.25          | 165            | 173          | PK       | PASS    |



(Antenna Vertical, 30MHz to 1GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 39.23         | 63.6              | 34.21             | -29.340          | 40.00             | 5.79           | 165            | 0            | PK       | PASS    |
| 60.16         | 66.1              | 35.17             | -30.970          | 40.00             | 4.83           | 165            | 299          | PK       | PASS    |
| 87.32         | 67.6              | 34.59             | -33.020          | 40.00             | 5.41           | 165            | 123          | PK       | PASS    |
| 101.84        | 66.1              | 35.82             | -30.310          | 43.50             | 7.68           | 165            | 32           | PK       | PASS    |
| 199.97        | 65.0              | 34.73             | -30.220          | 43.50             | 8.77           | 165            | 97           | PK       | PASS    |
| 250.00        | 64.8              | 36.64             | -28.120          | 46.00             | 9.36           | 165            | 21           | PK       | PASS    |



(Antenna Vertical, 1GHz to 18GHz)

| Fre.<br>(MHz) | Reading<br>[dBμV] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Detector | Verdict |
|---------------|-------------------|-------------------|------------------|-------------------|----------------|----------------|--------------|----------|---------|
| 2090.60       | 49.3              | 48.17             | -1.130           | 74.00             | 25.83          | 165            | 238          | PK       | PASS    |
| 2474.97       | 40.2              | 41.12             | 0.940            | -                 | -              | 165            | 126          | AV       | NA      |
| 4999.67       | 57.2              | 47.21             | -10.010          | 54.00             | 6.79           | 165            | 268          | AV       | PASS    |
| 4999.67       | 59.1              | 49.10             | -10.010          | 74.00             | 24.90          | 165            | 289          | PK       | PASS    |
| 10388.10      | 45.1              | 44.31             | -0.810           | 54.00             | 9.69           | 165            | 196          | AV       | PASS    |
| 13855.13      | 46.8              | 51.77             | 5.000            | 74.00             | 22.23          | 165            | 359          | PK       | PASS    |



## Notes

1. The report shall have report stamp or our company stamp.
2. The report shall be invalid without all the signatures of the editor and approver.
3. The report shall not be changed.
4. Any objections must be raised to Morlab within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit.
5. Conformity declaration:
  - ☒ Morlab issues a statement of conformity based on the corresponding standards (default)
  - ☐ Morlab issues a statement of conformity based on the applicant requirement
6. Use of uncertainty of measurement for decisions on conformity (decision rule):

No decision rule is specified by the testing standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule).
7. "\*" This item is not accredited in XXXX scope.

————— END OF REPORT —————