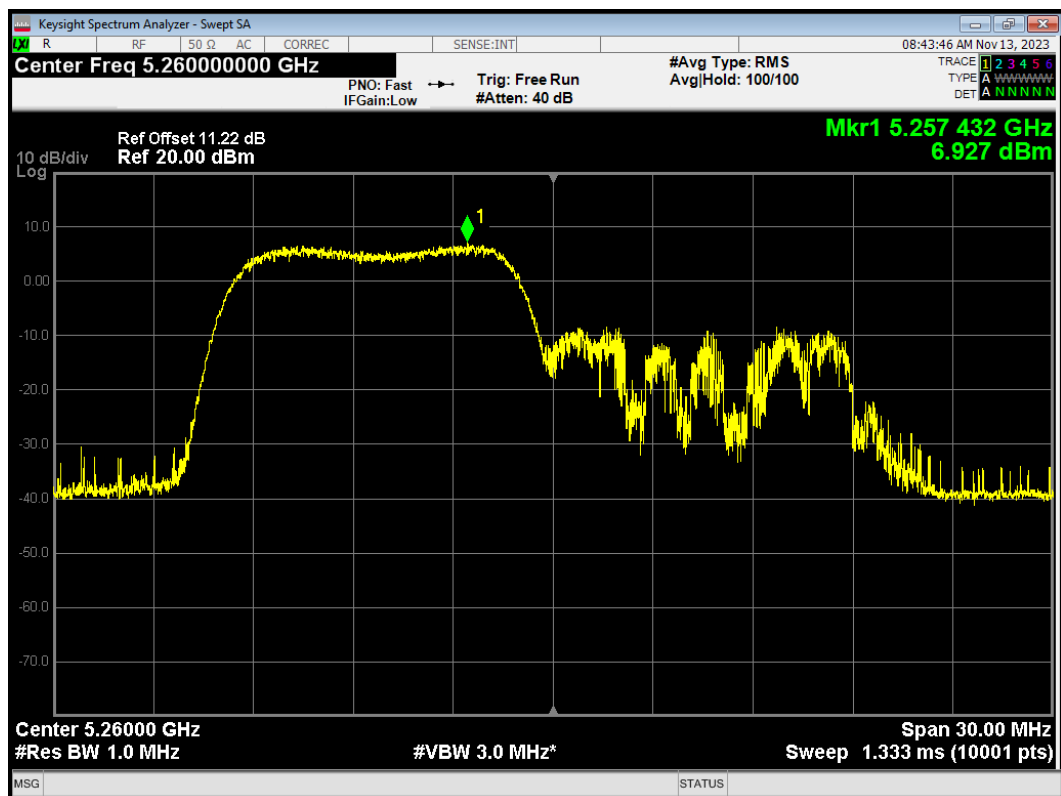
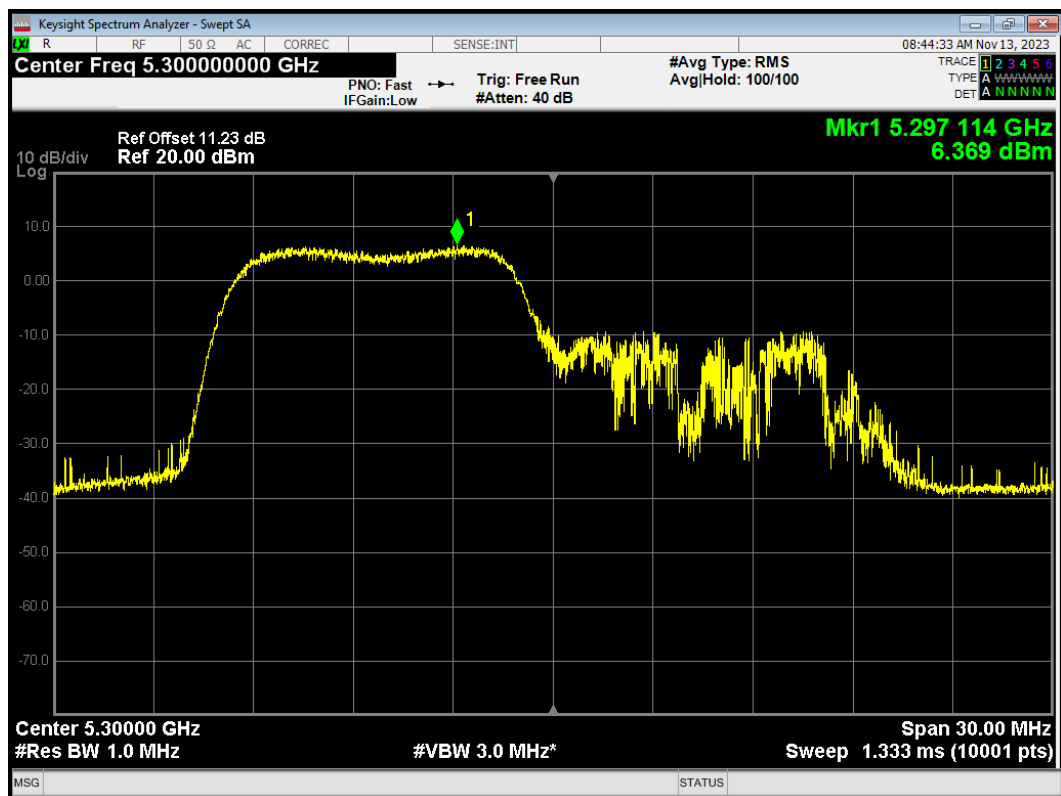


U-NII-2A

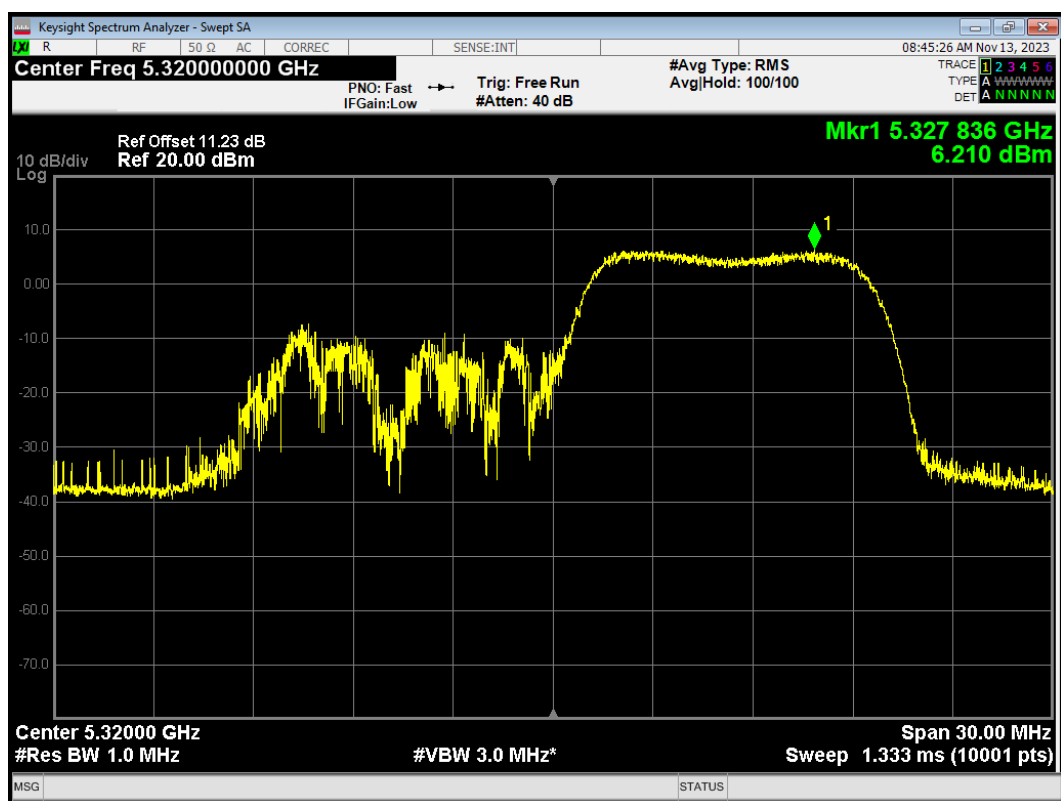
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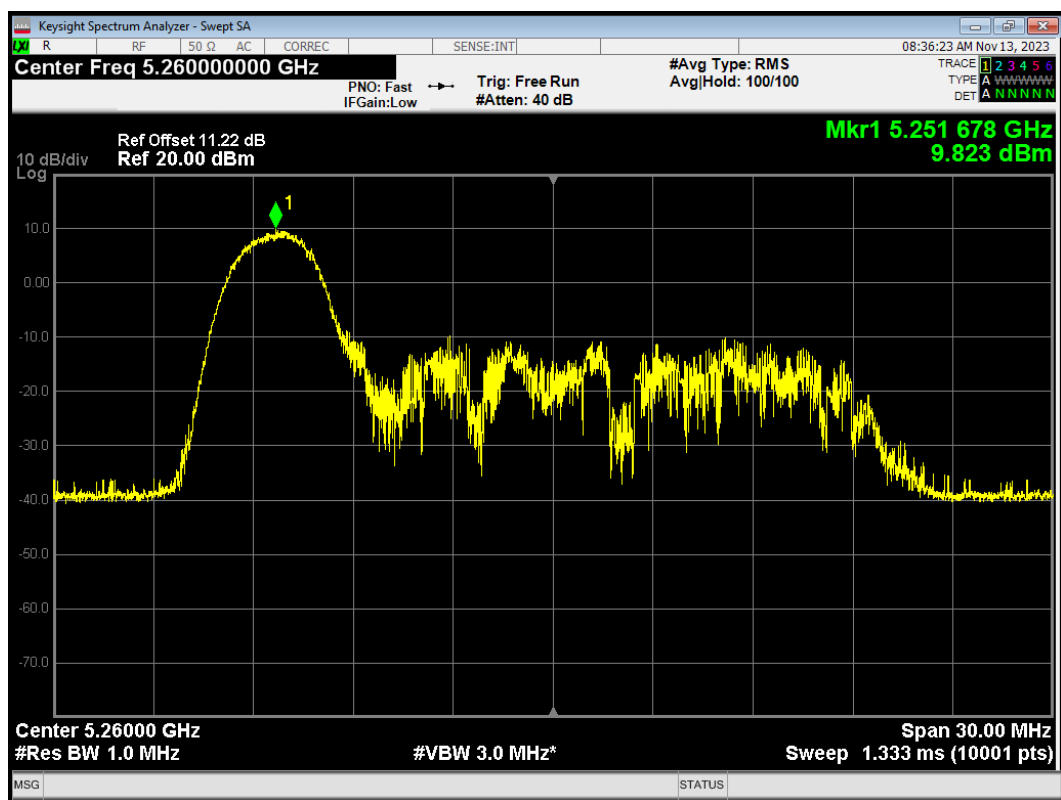
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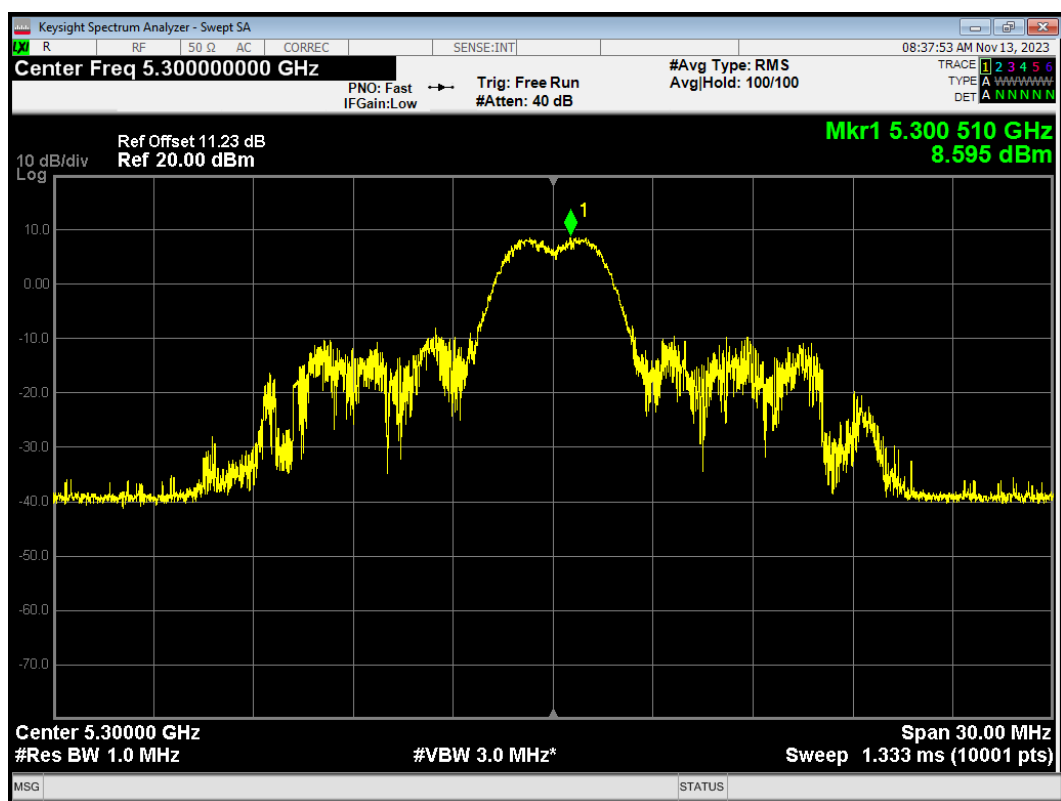
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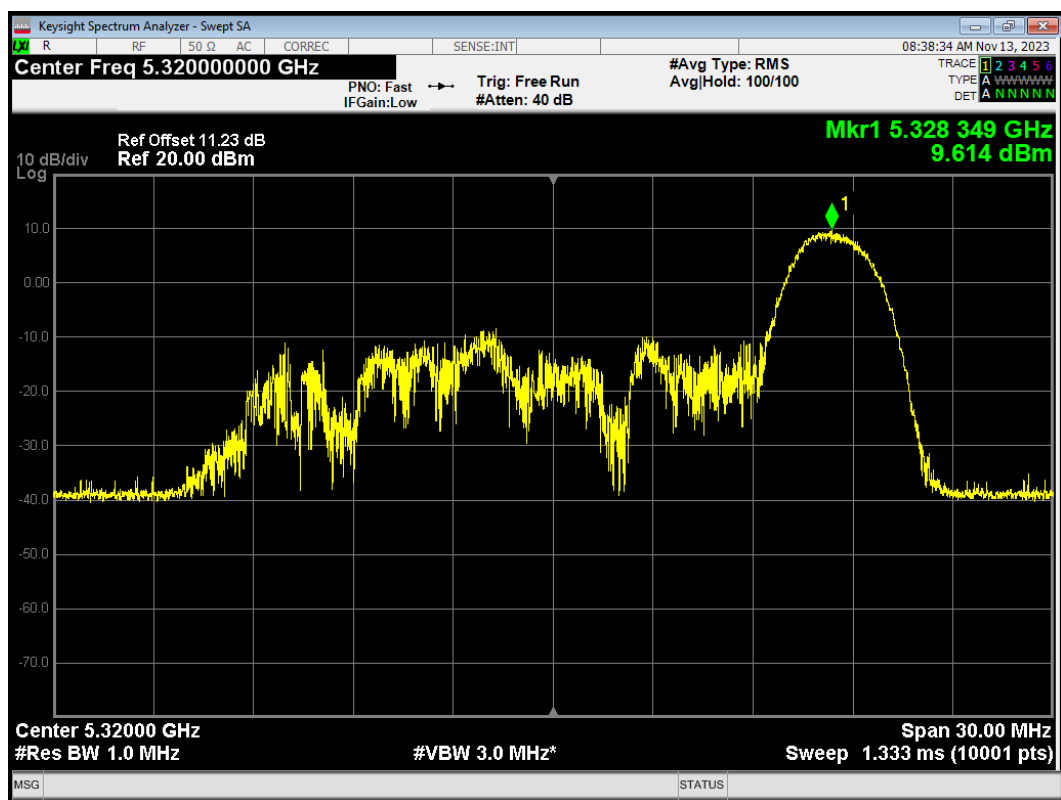
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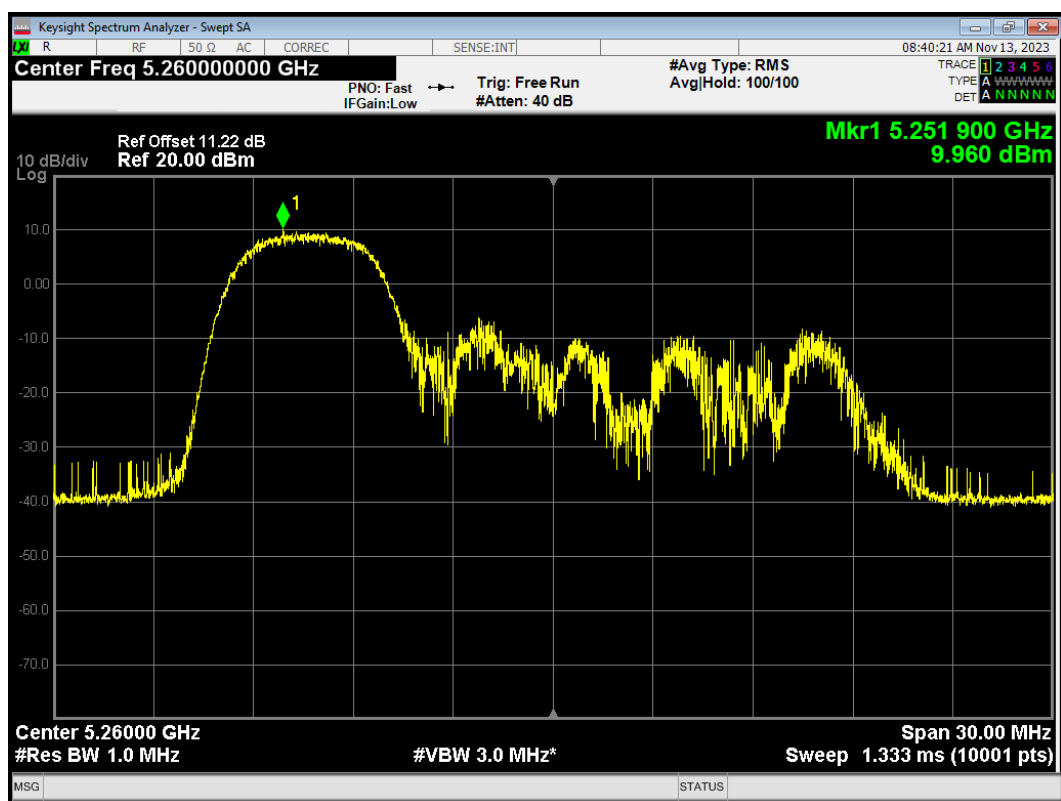
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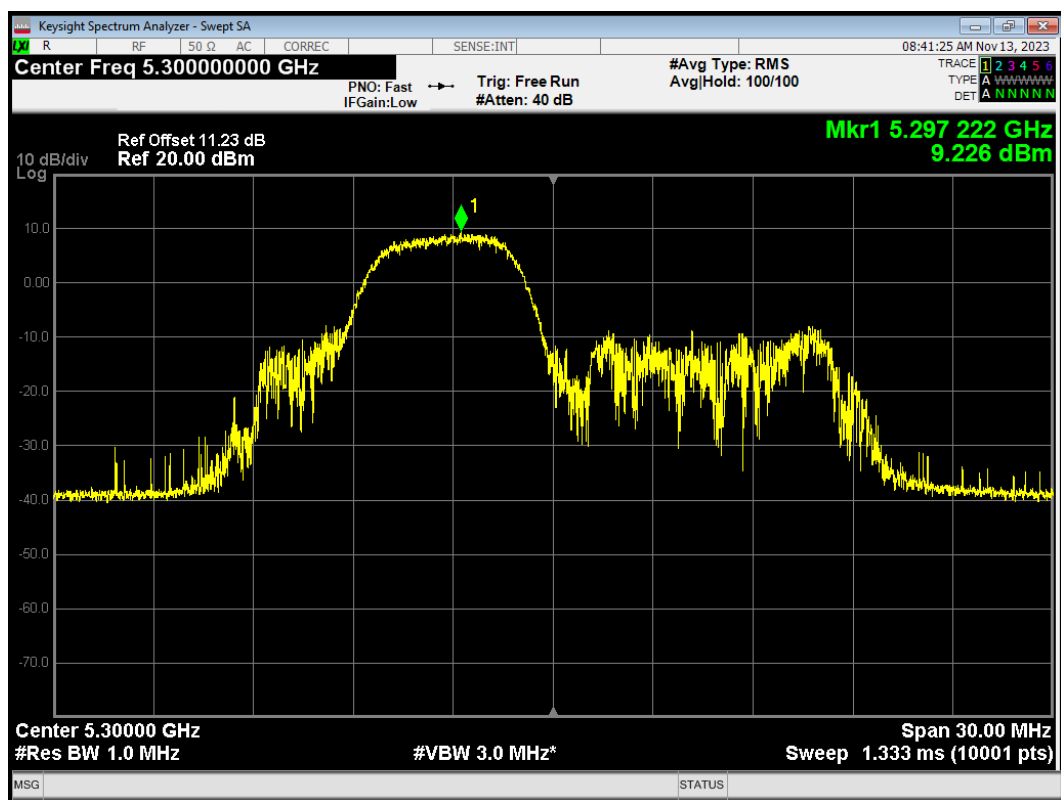
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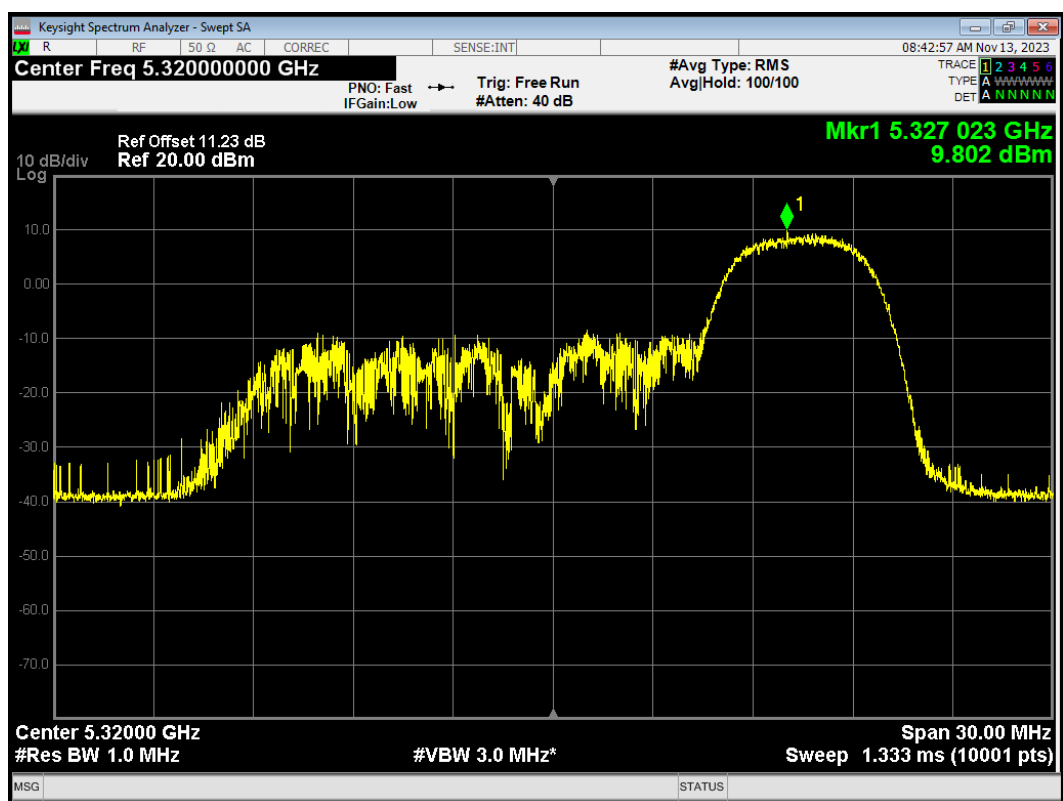
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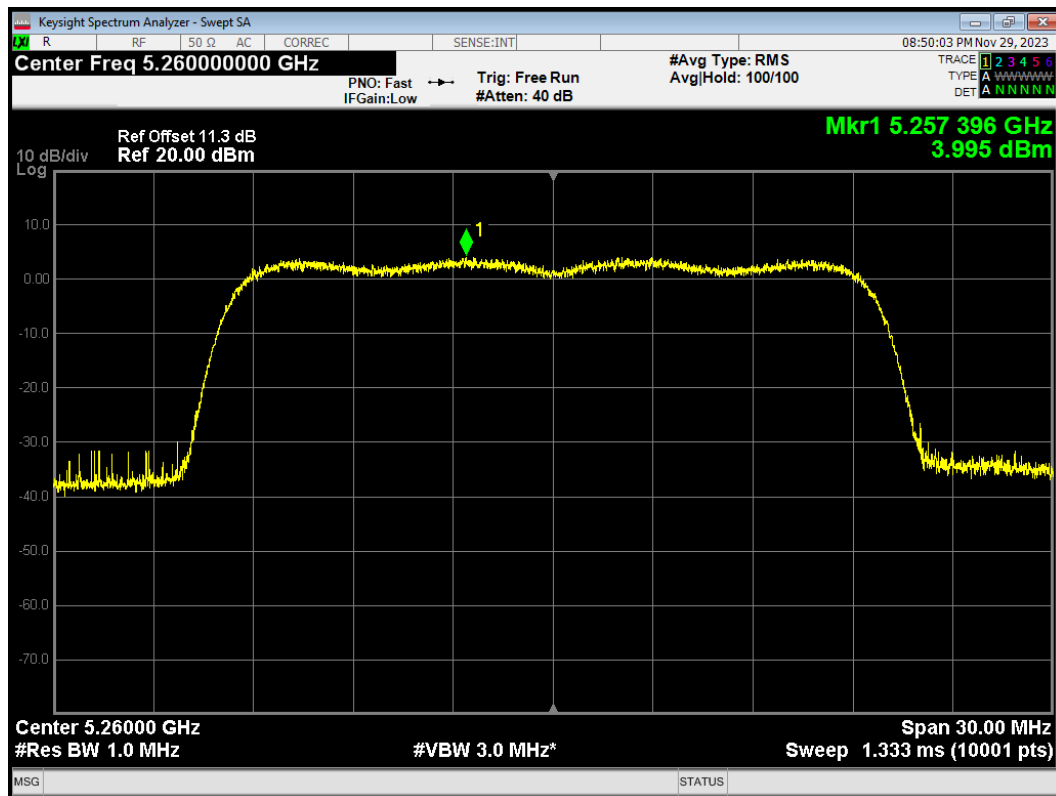
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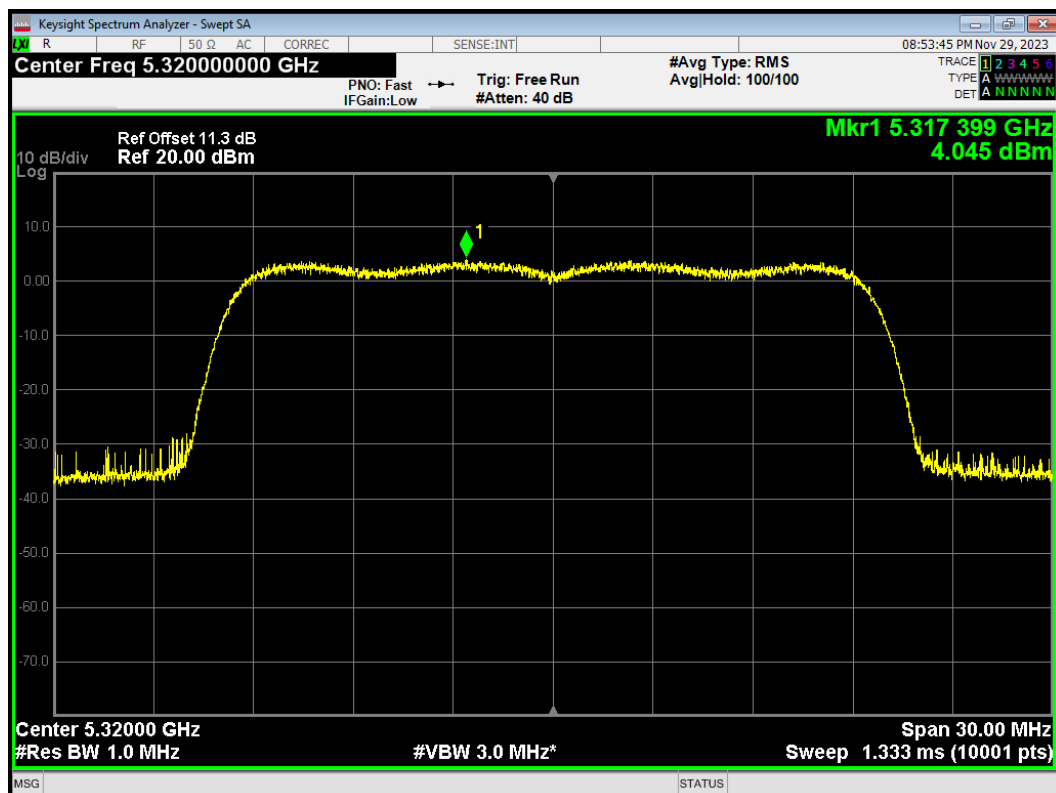
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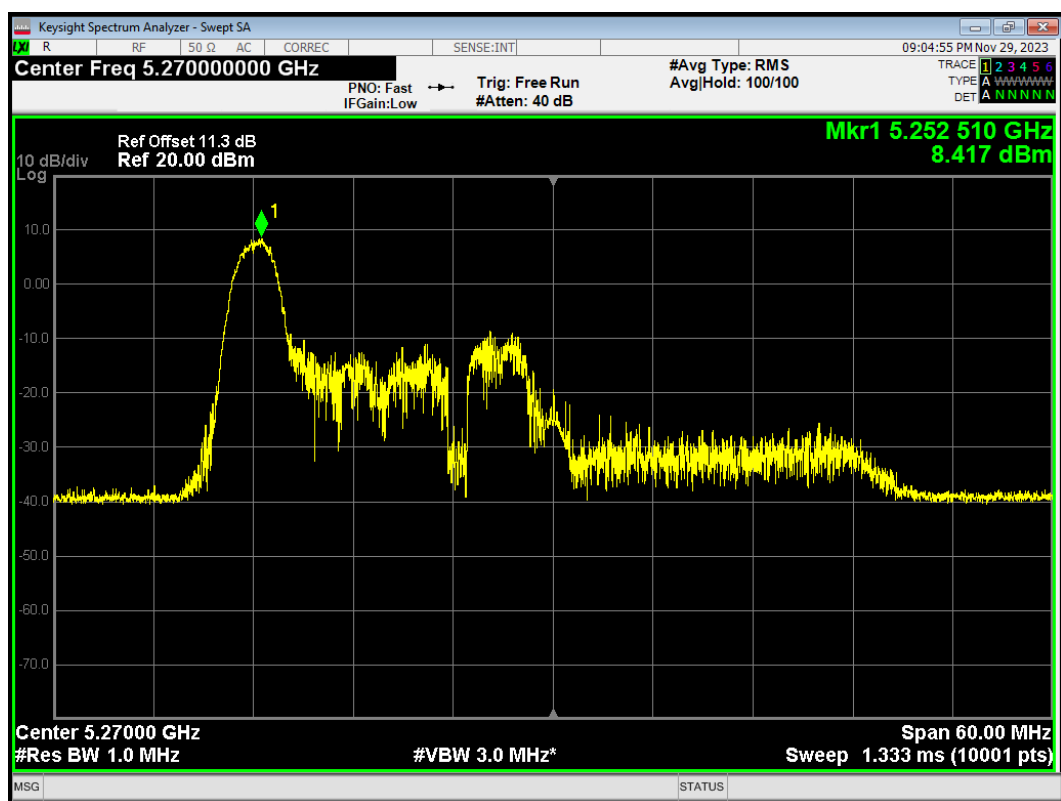
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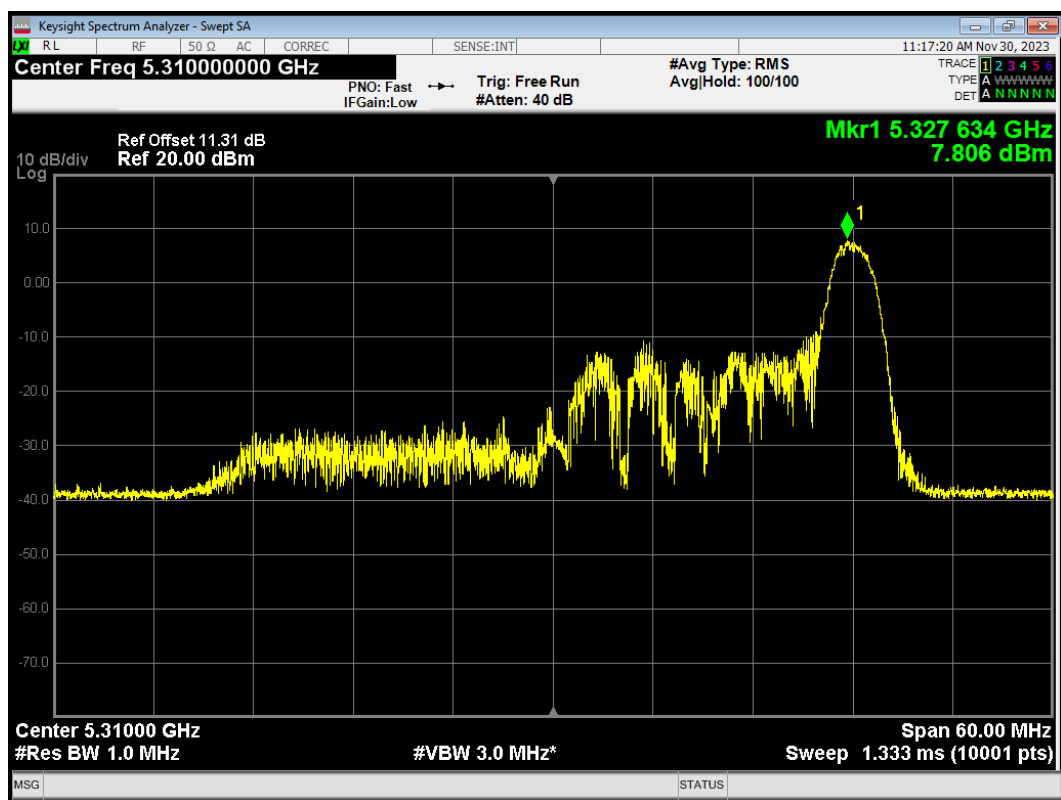
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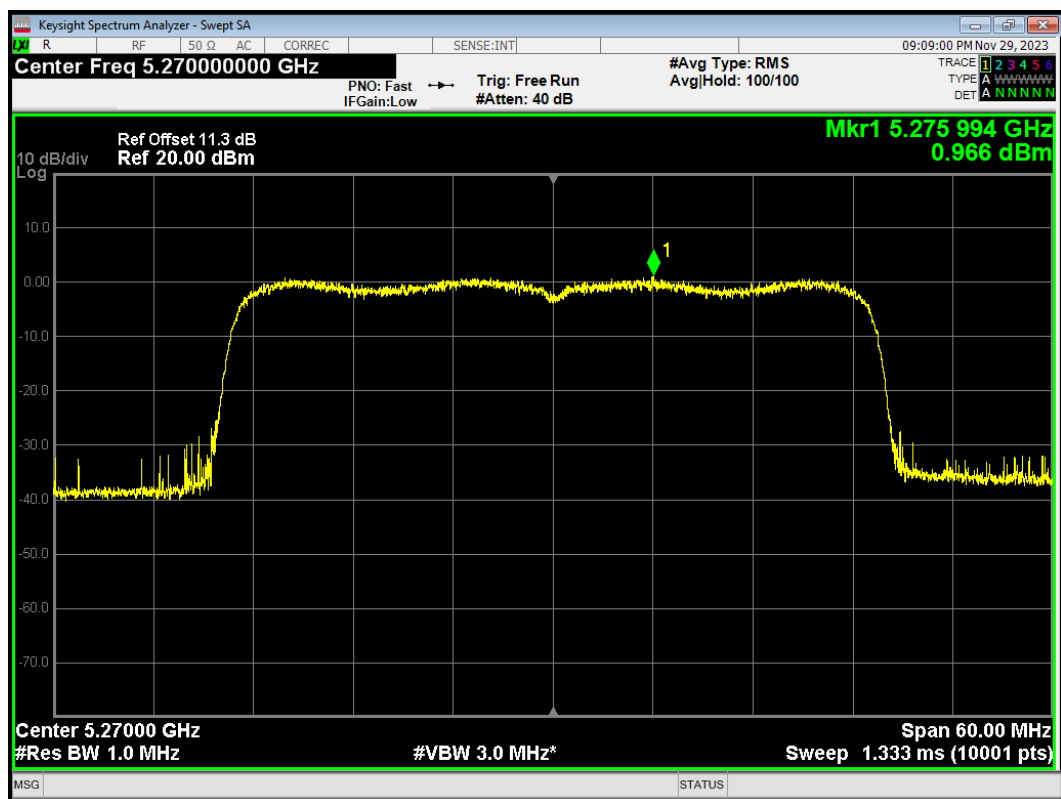
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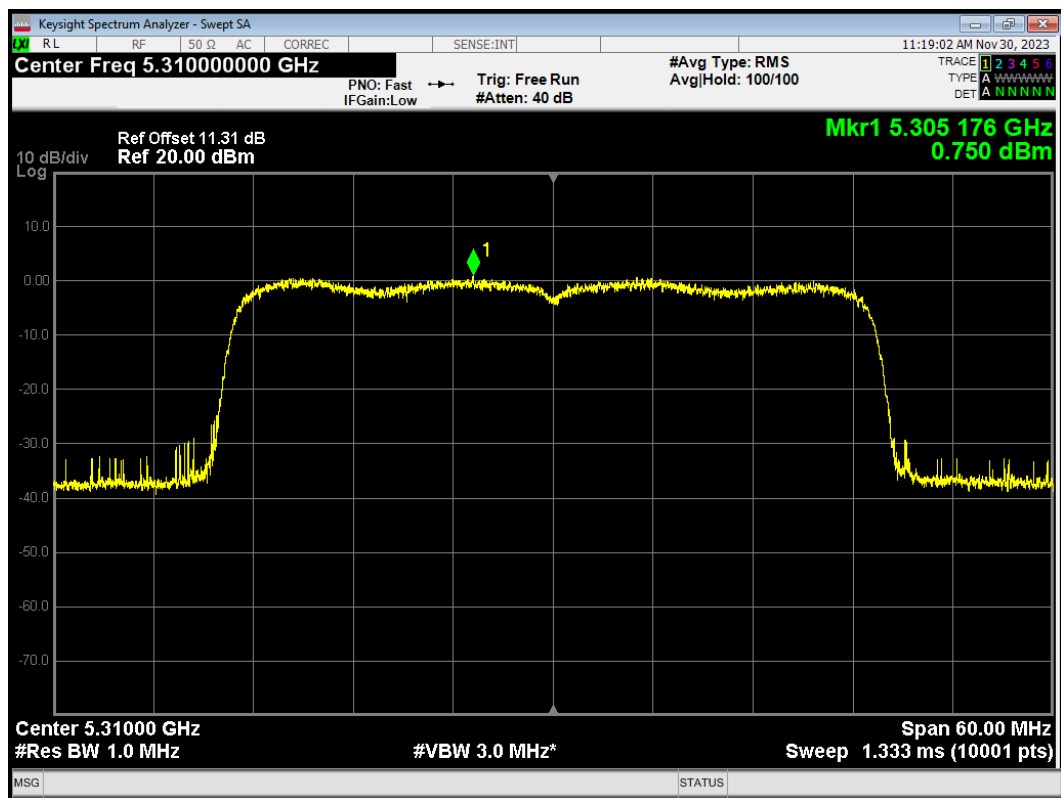
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PSD 802.11ax HE40 484-Tones 5270MHz

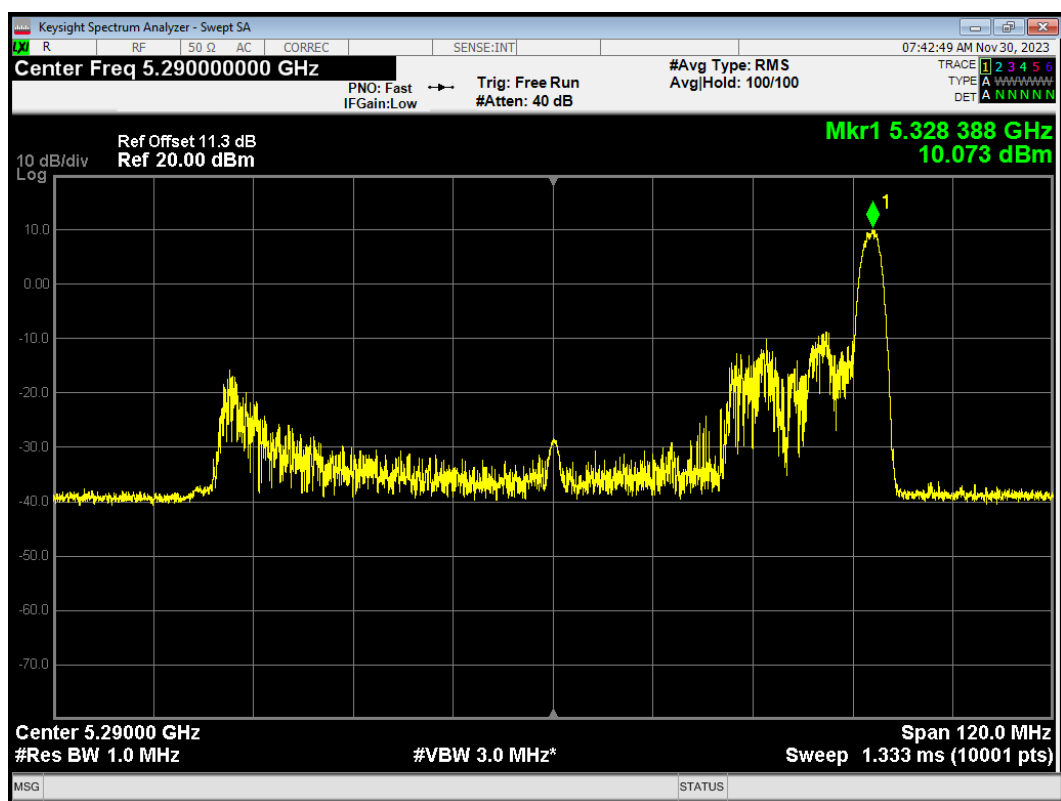


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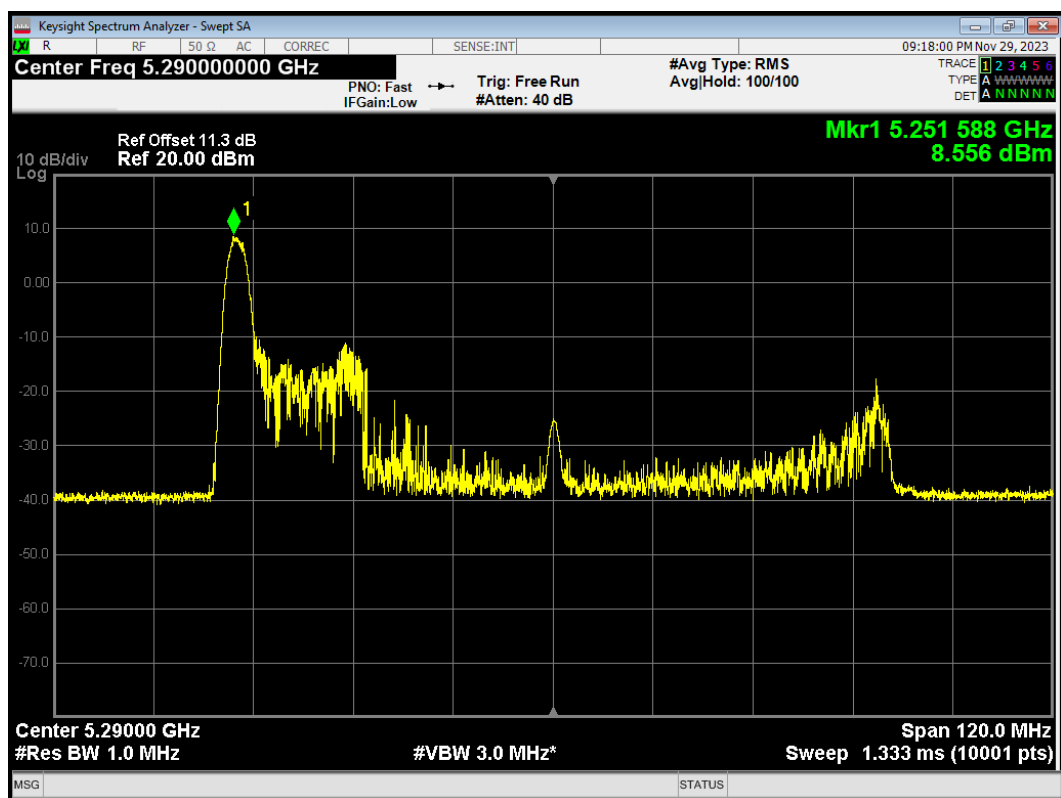




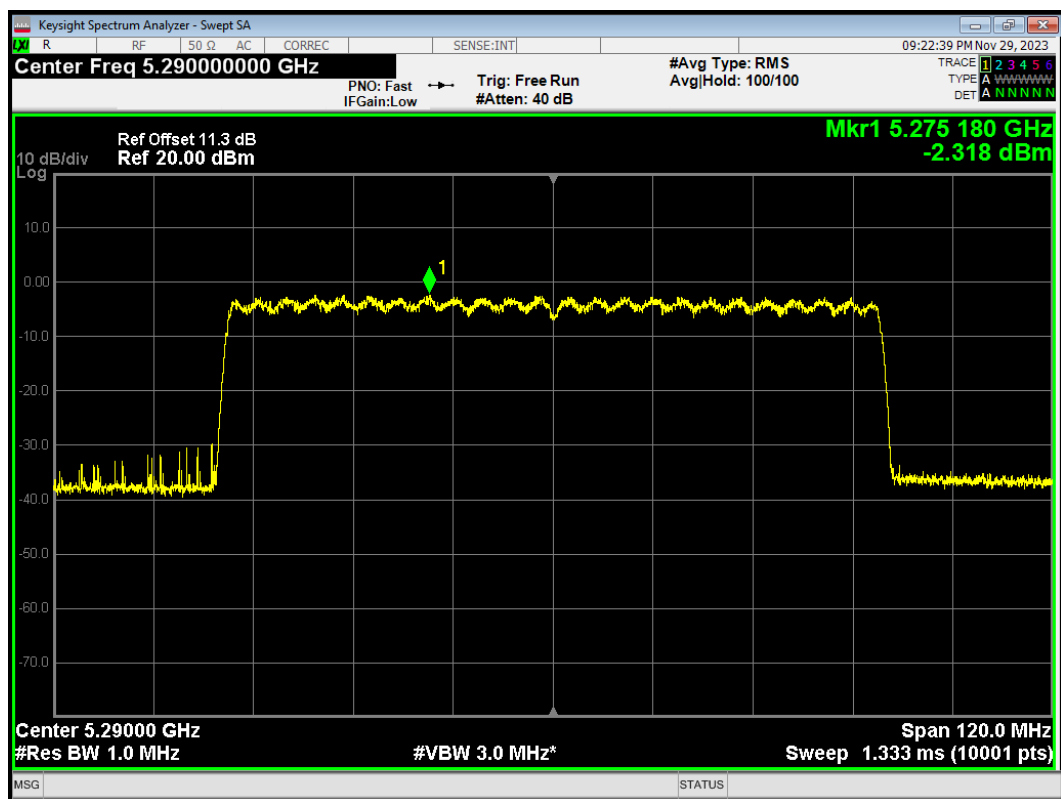
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PSD 802.11ax HE80 26-Tones 5290MHz

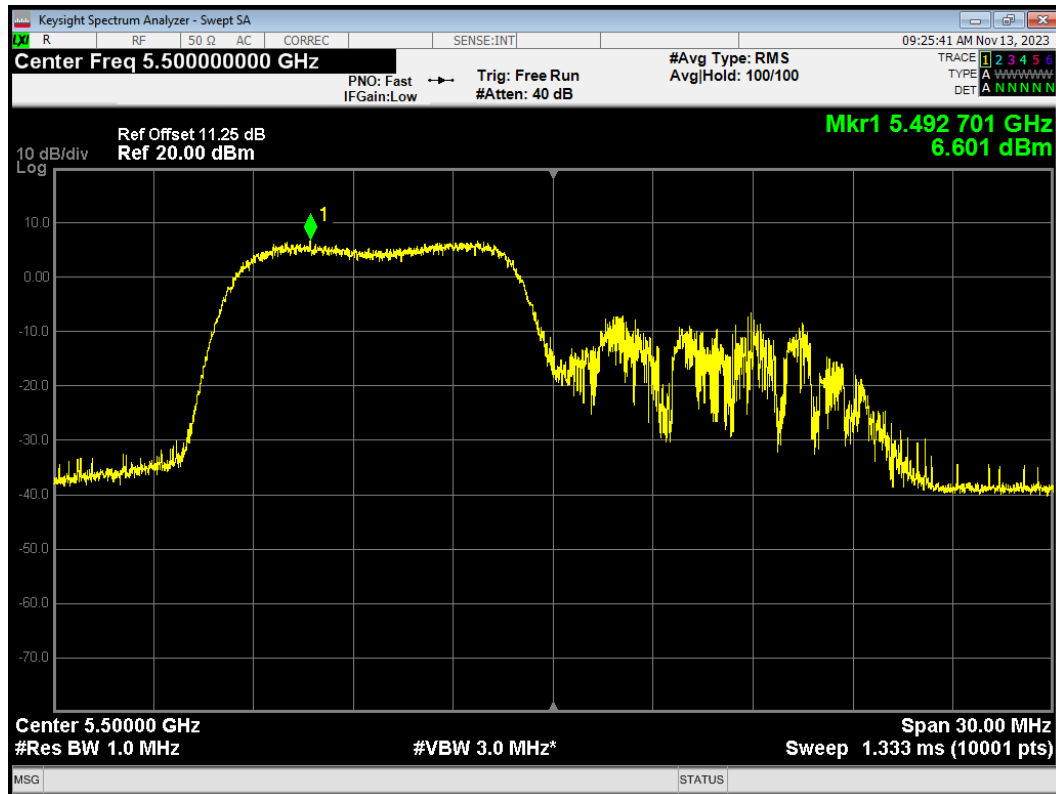


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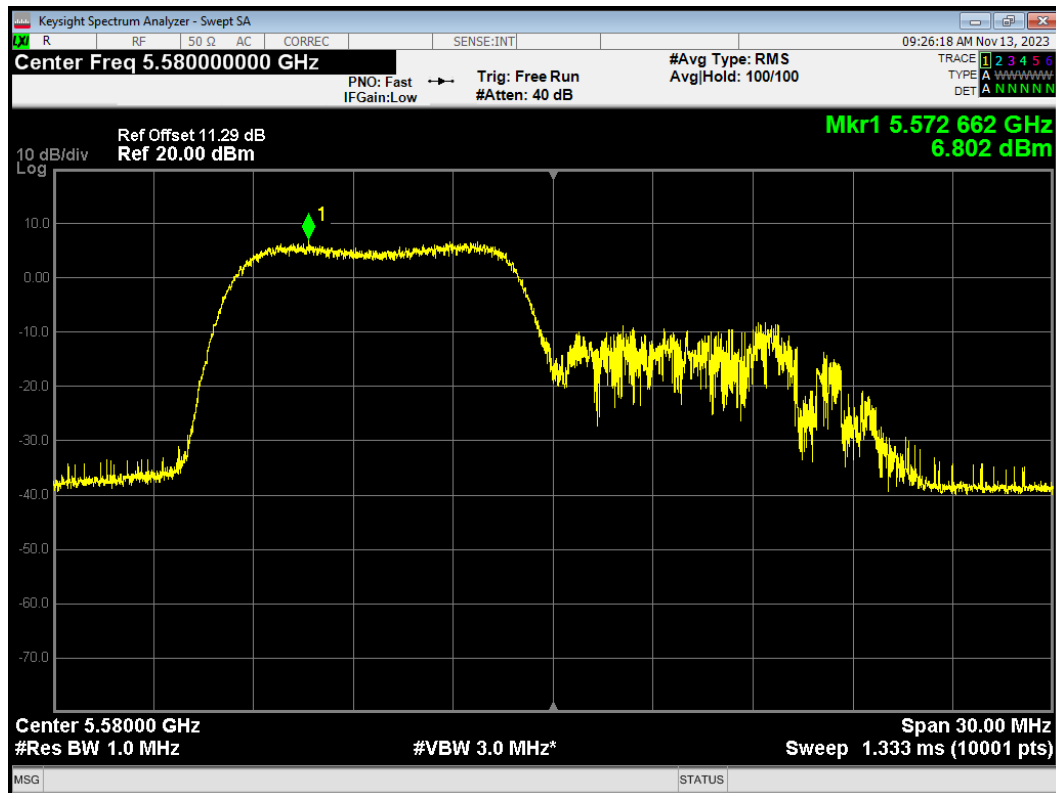


U-NII-2C

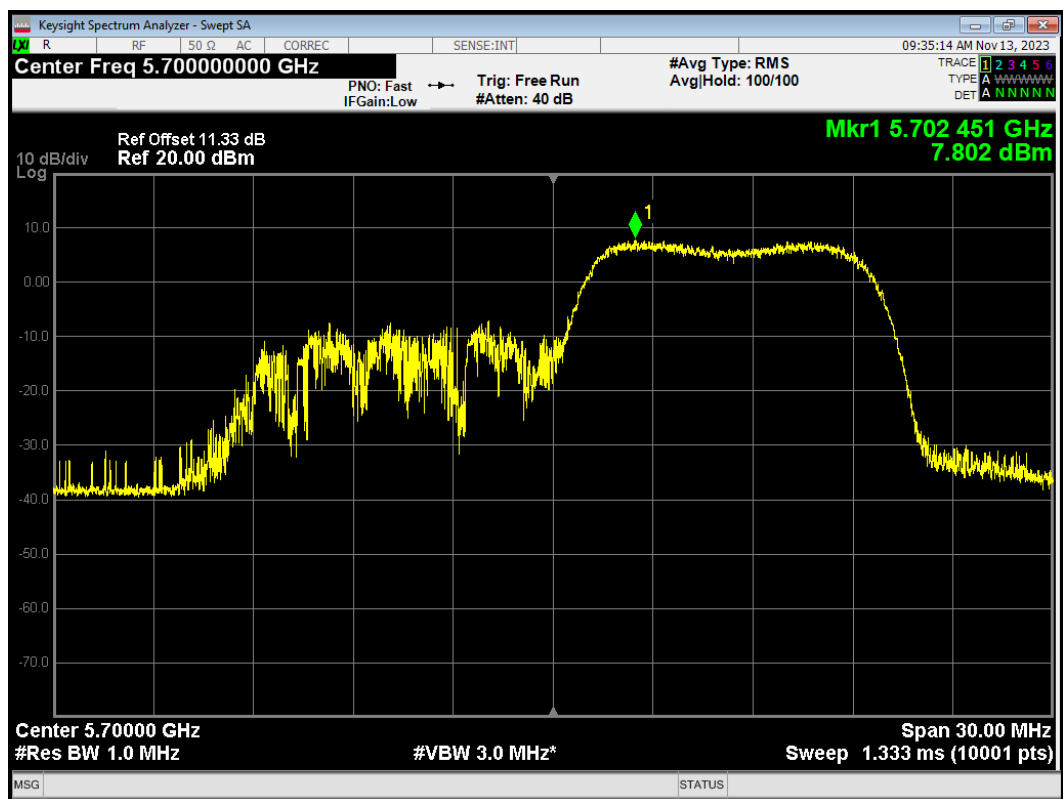
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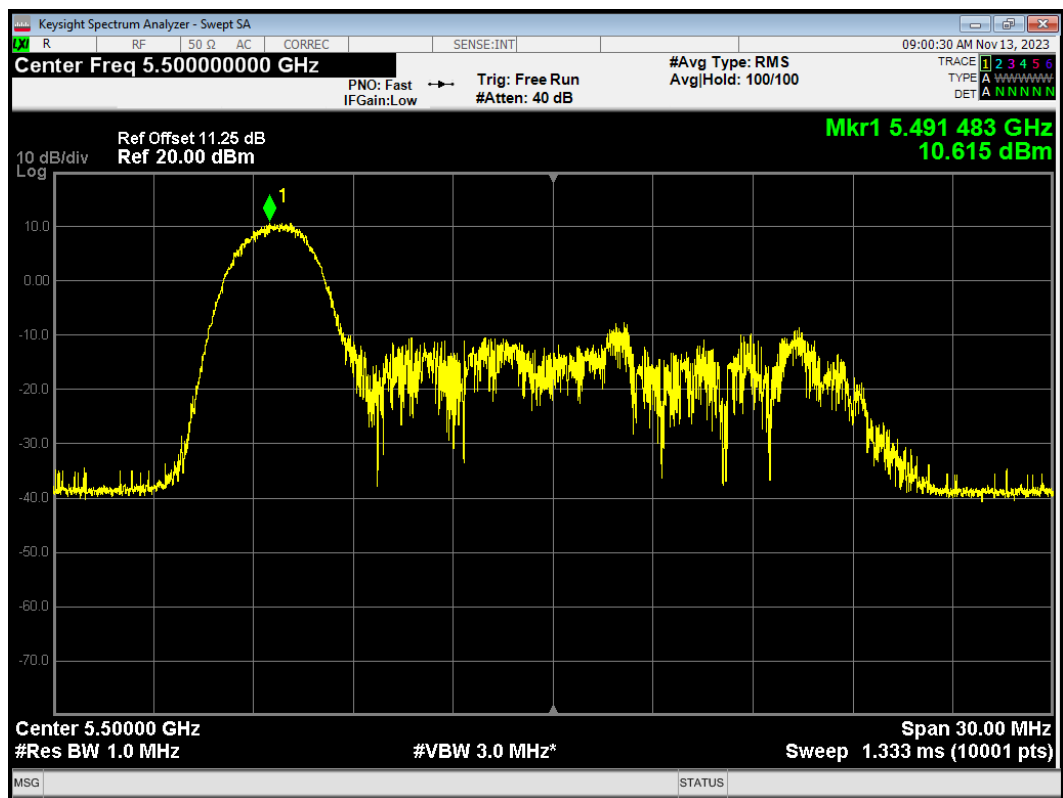
PSD 802.11ax HE20 106-Tones 5580MHz



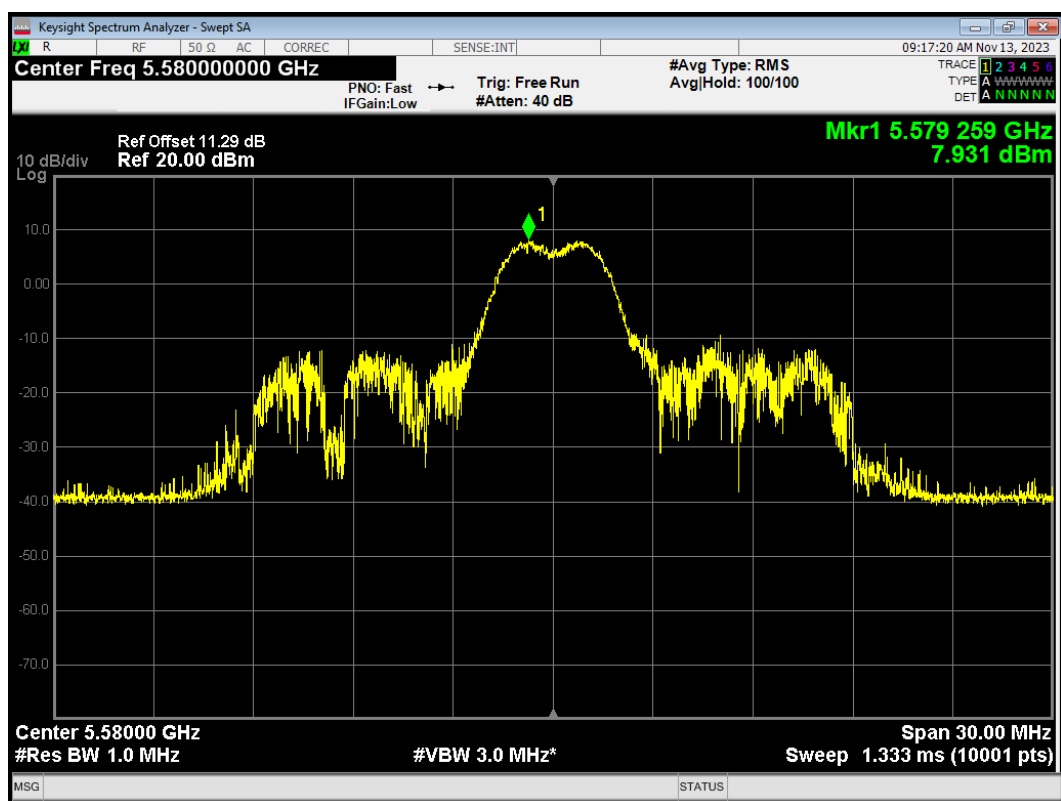
PSD 802.11ax HE20 106-Tones 5700MHz



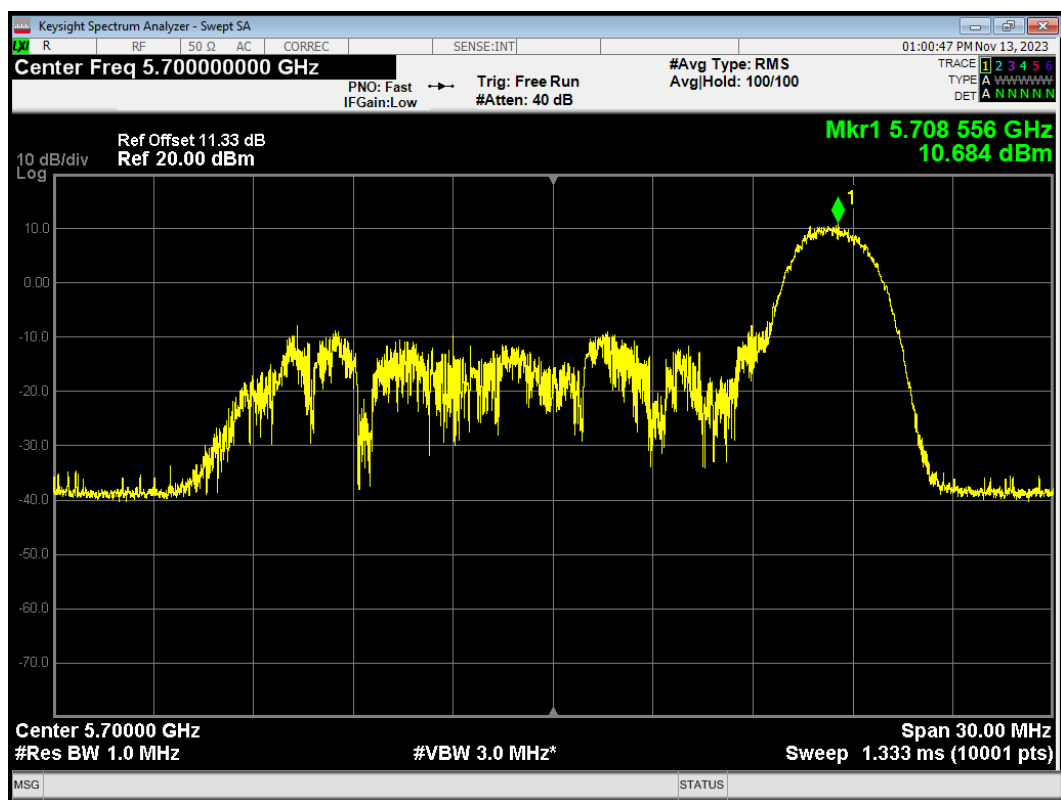
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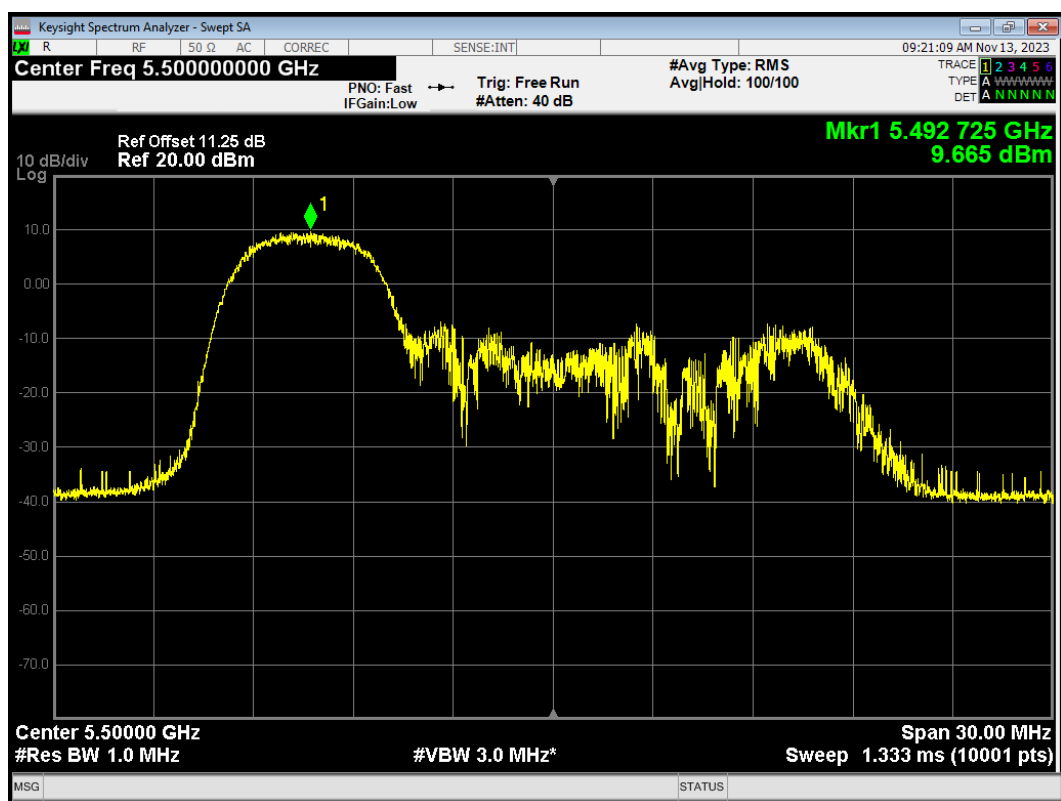
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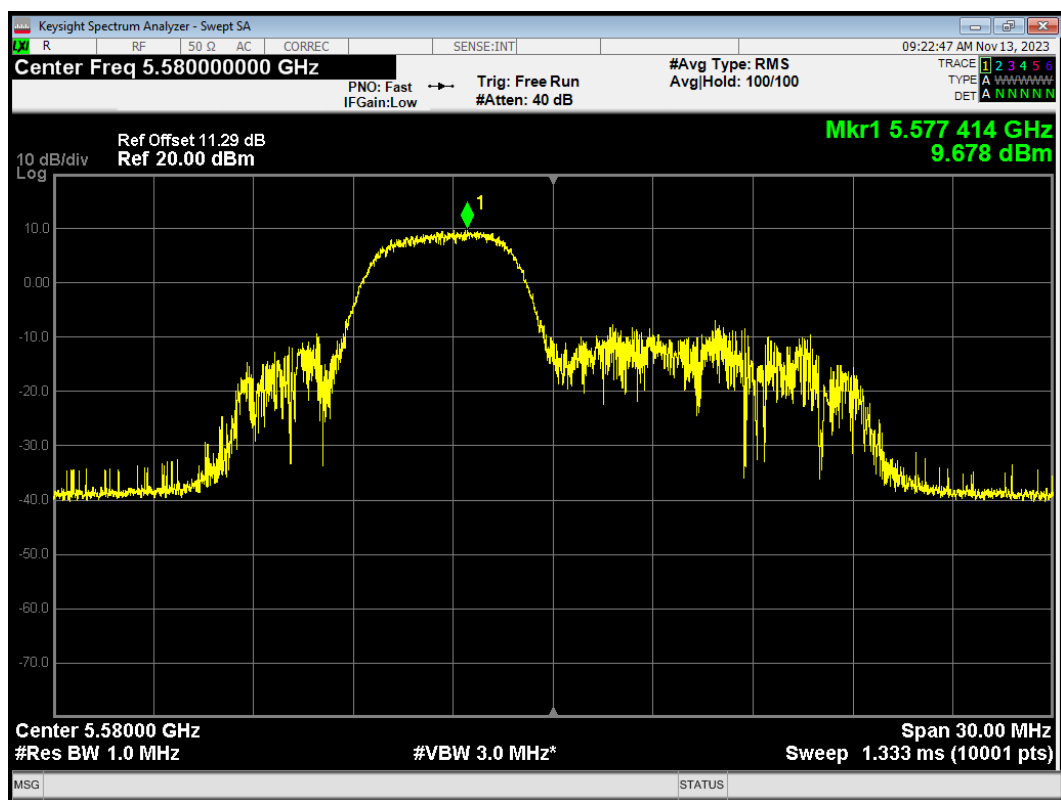
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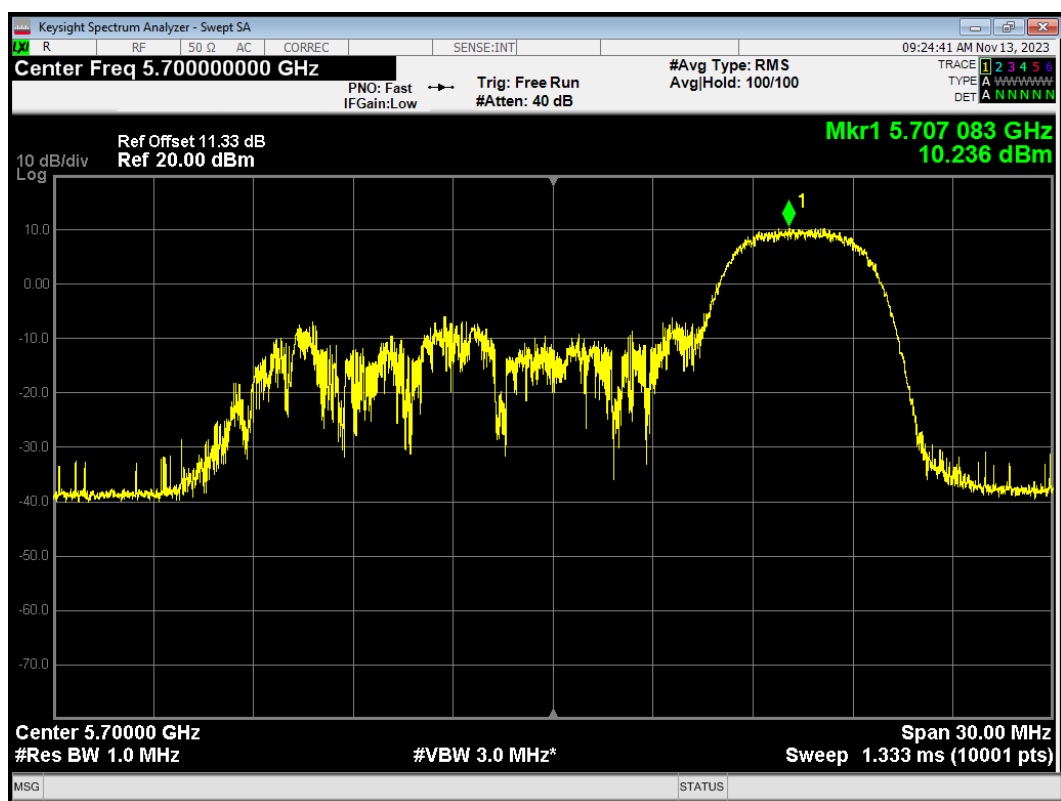
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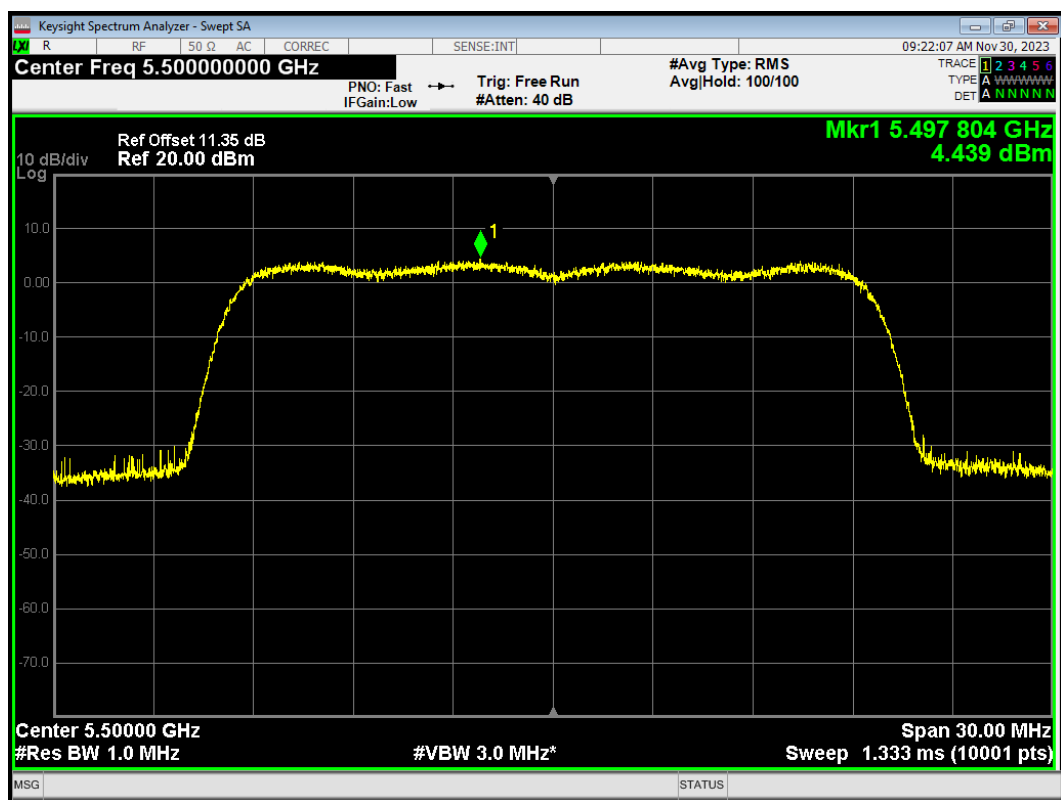
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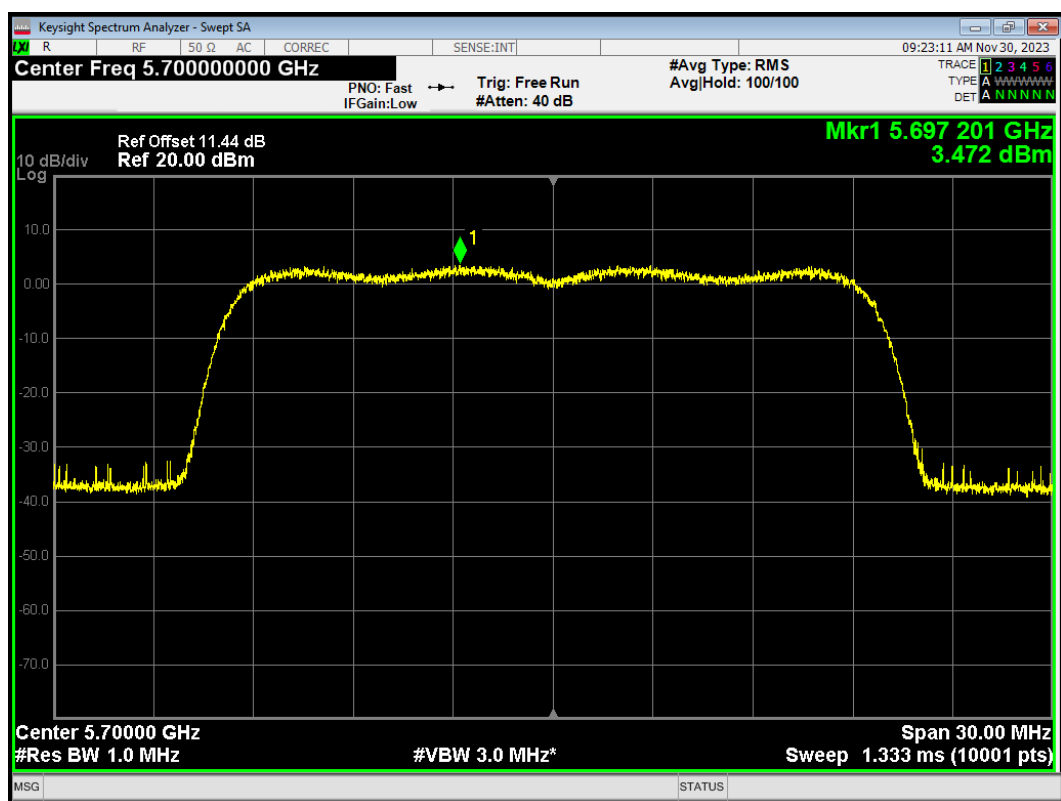
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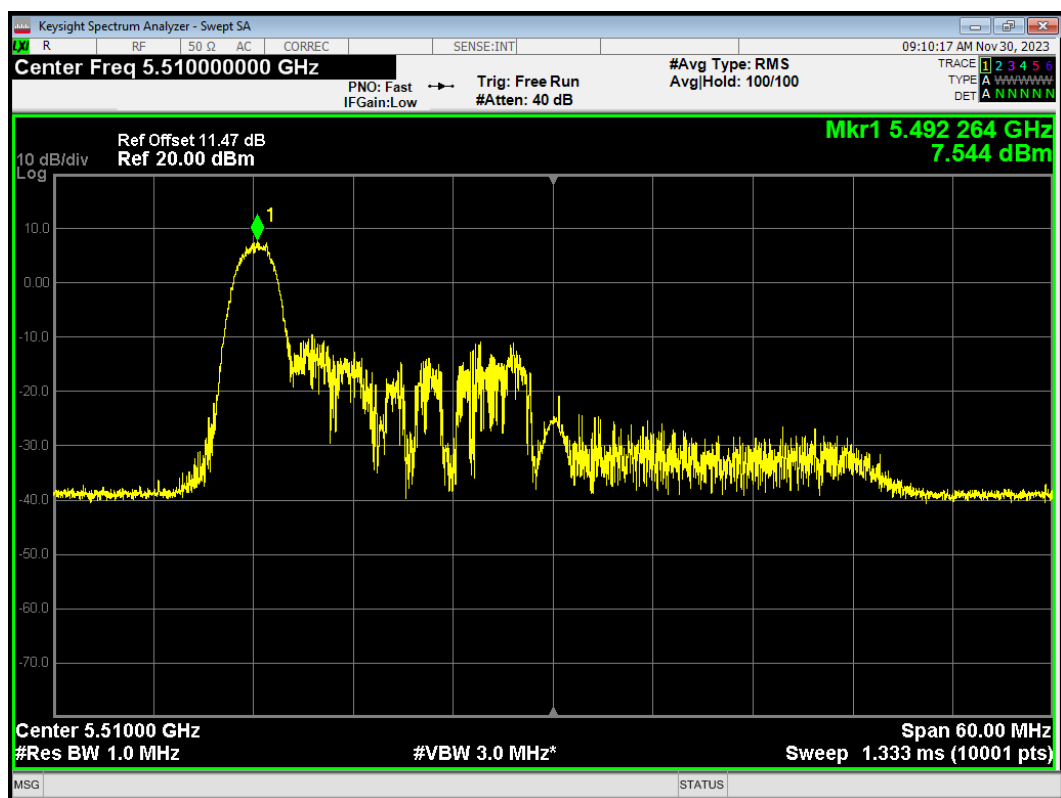
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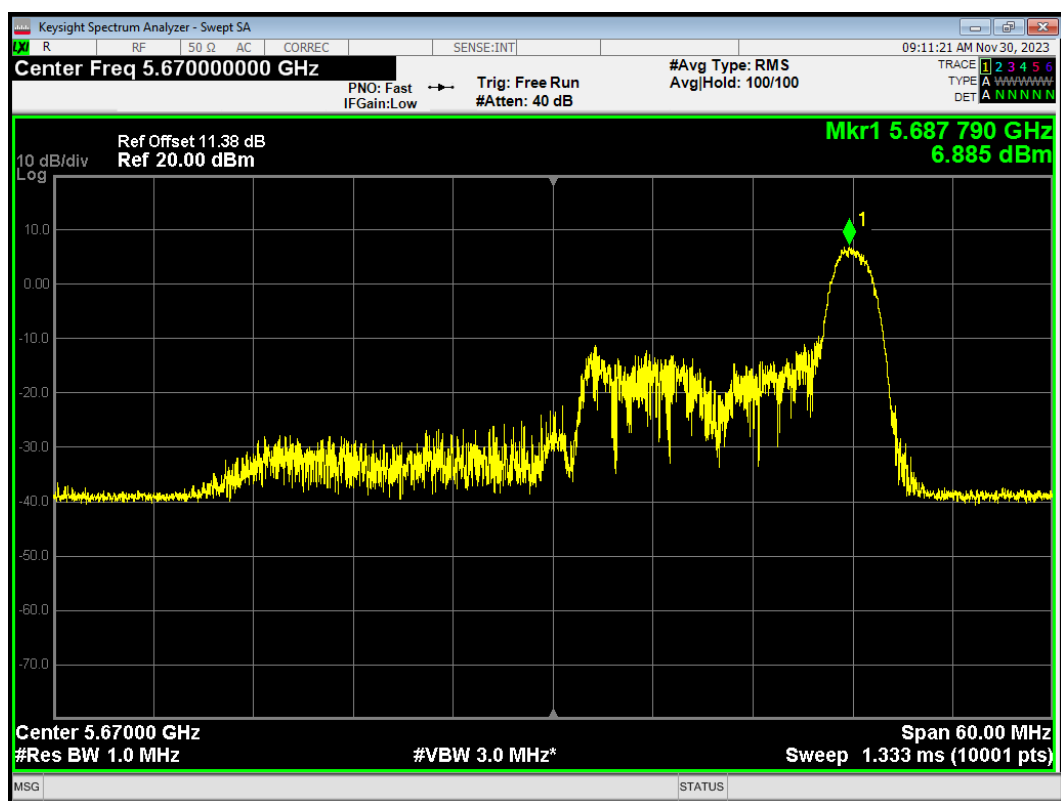


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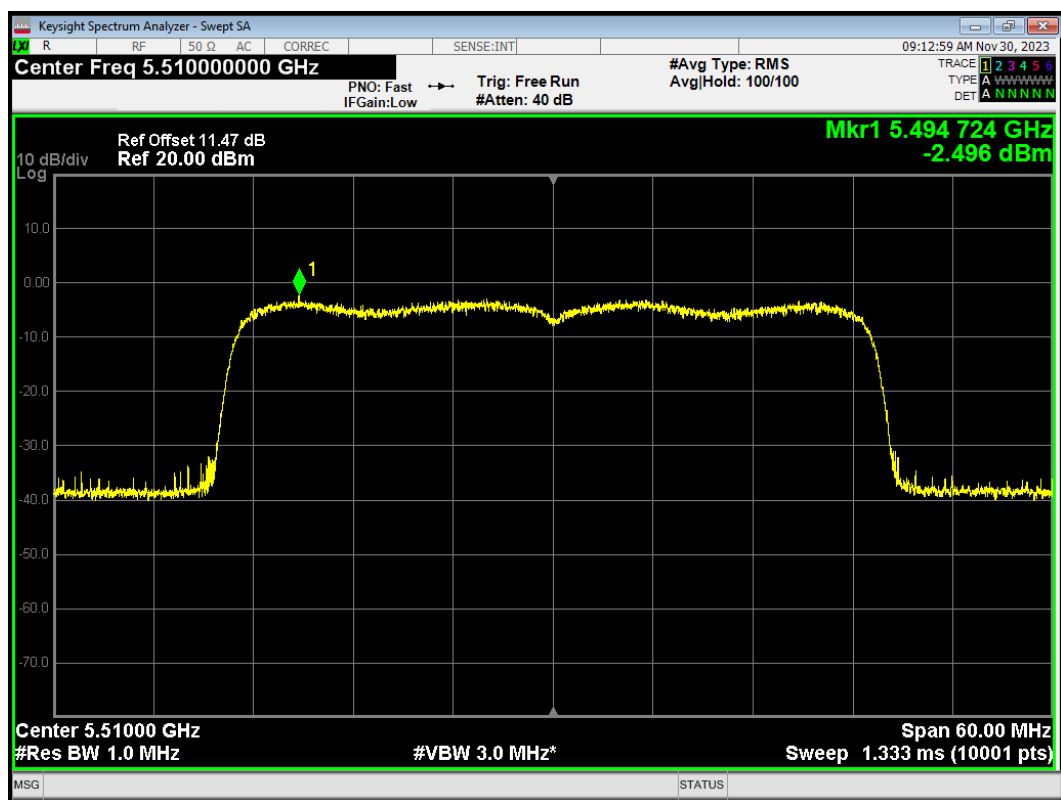




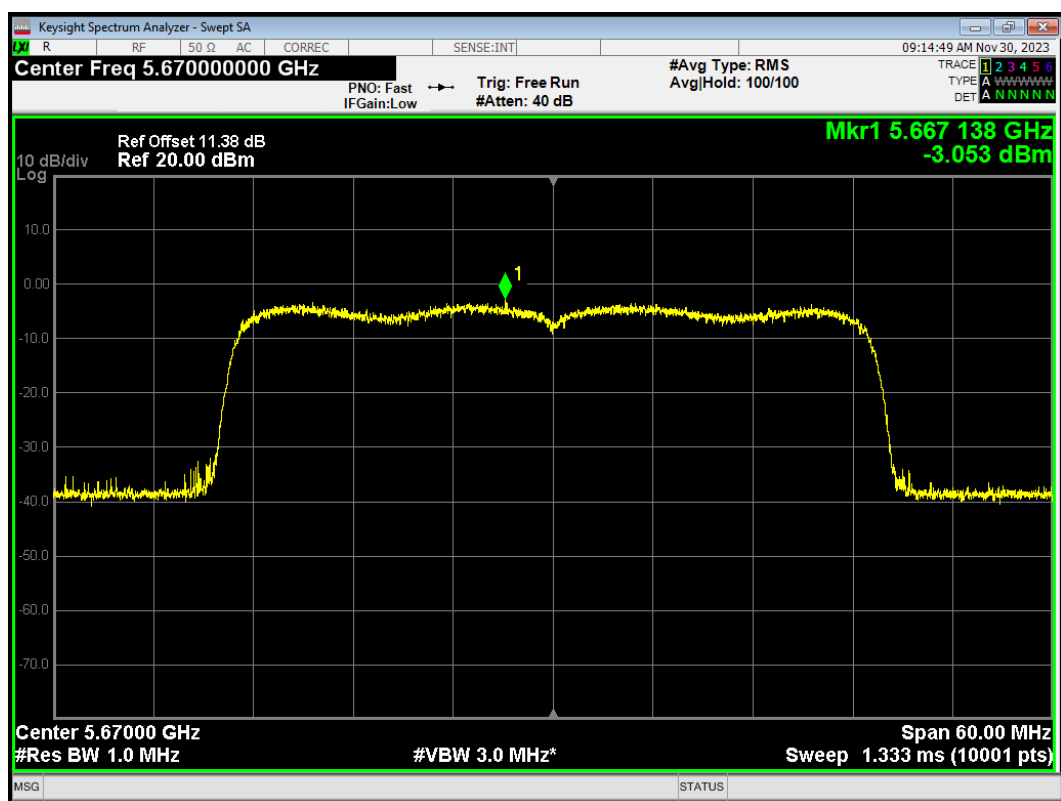
PSD 802.11ax HE40 26-Tones 5670MHz



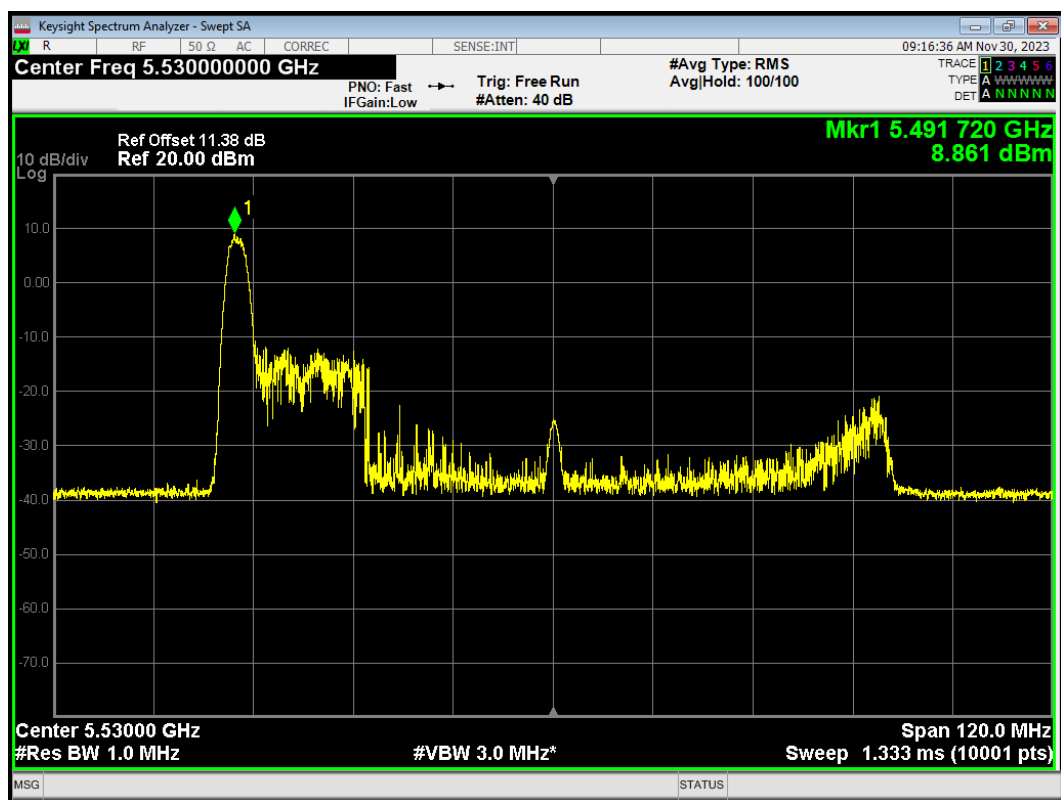
PSD 802.11ax HE40 484-Tones 5510MHz



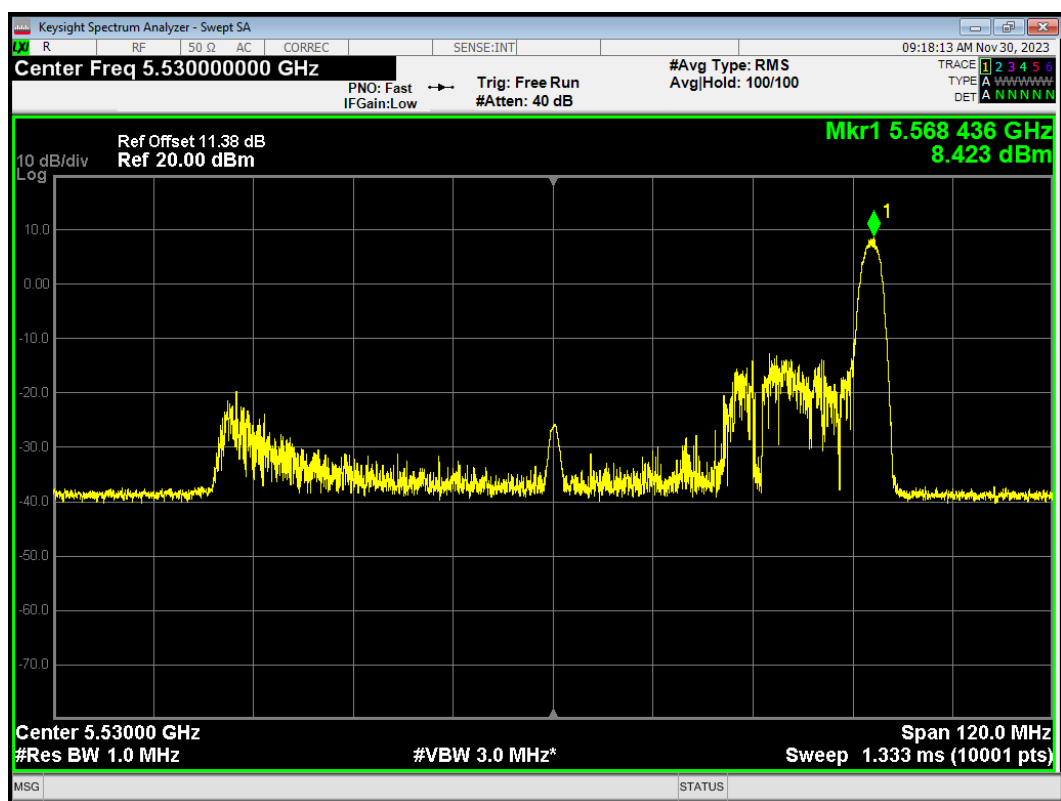
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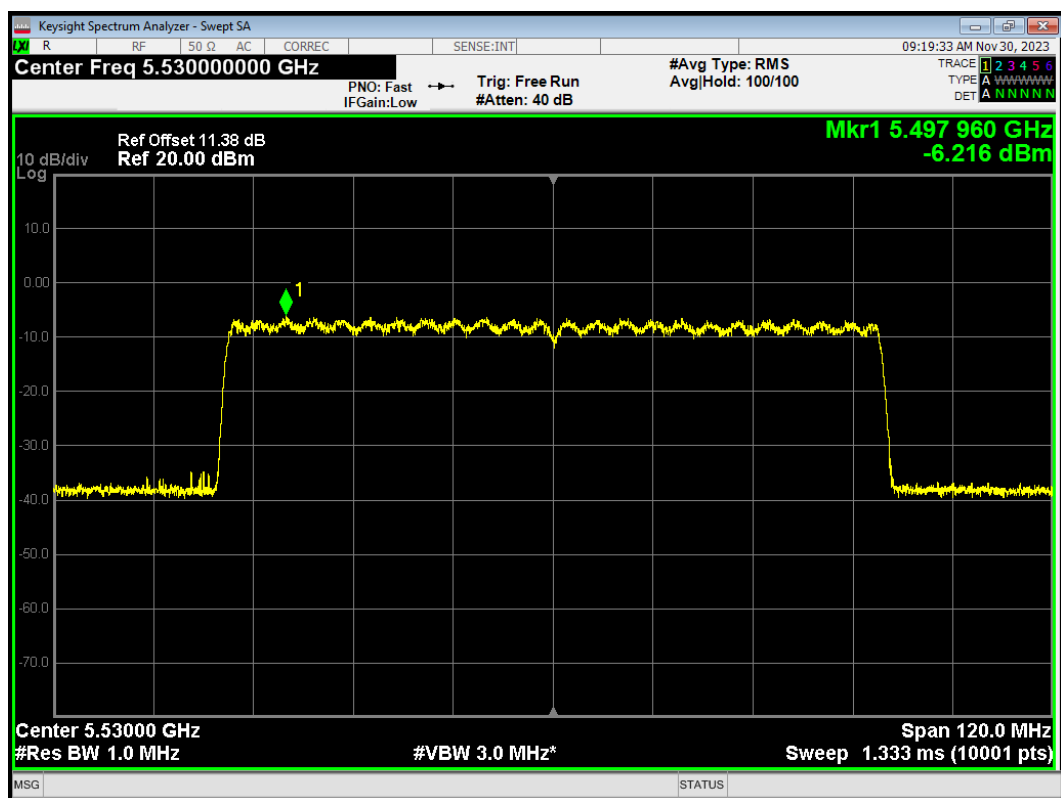
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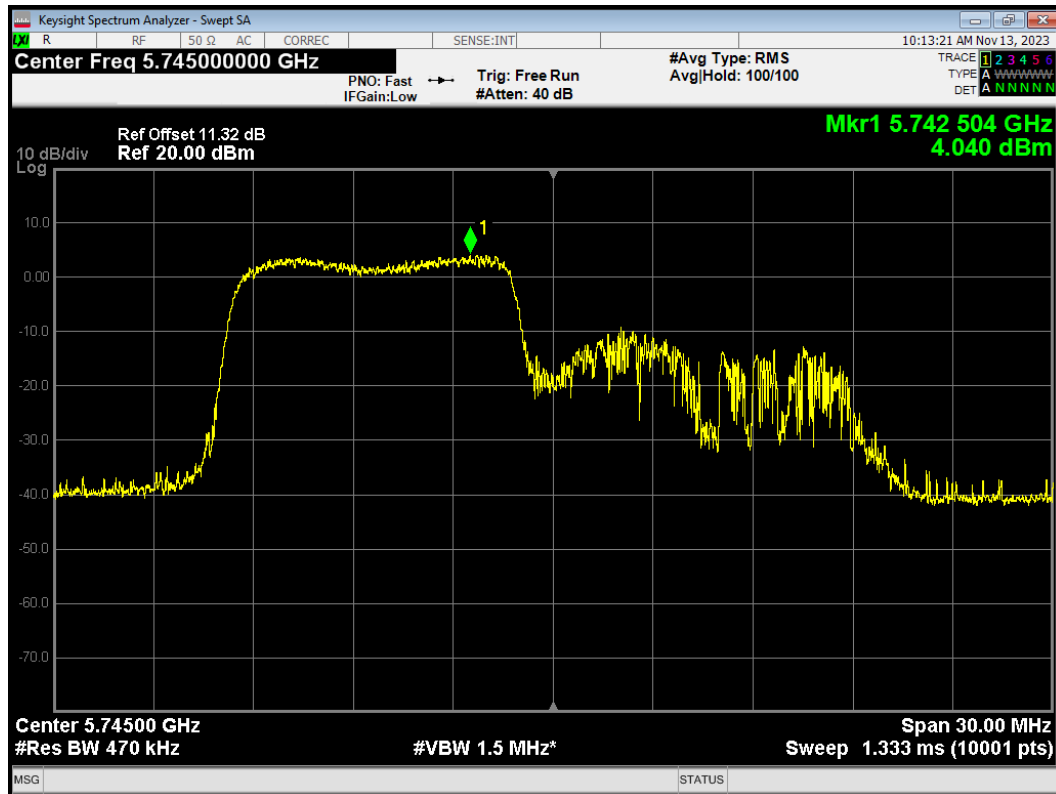


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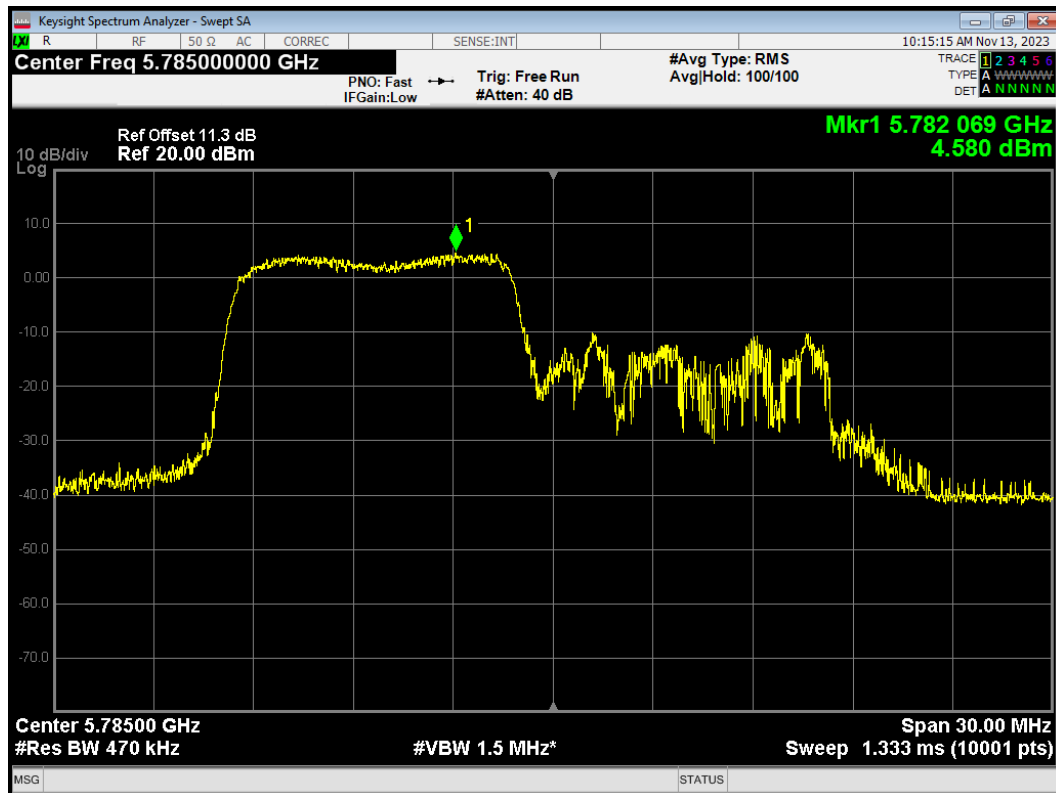


U-NII-3

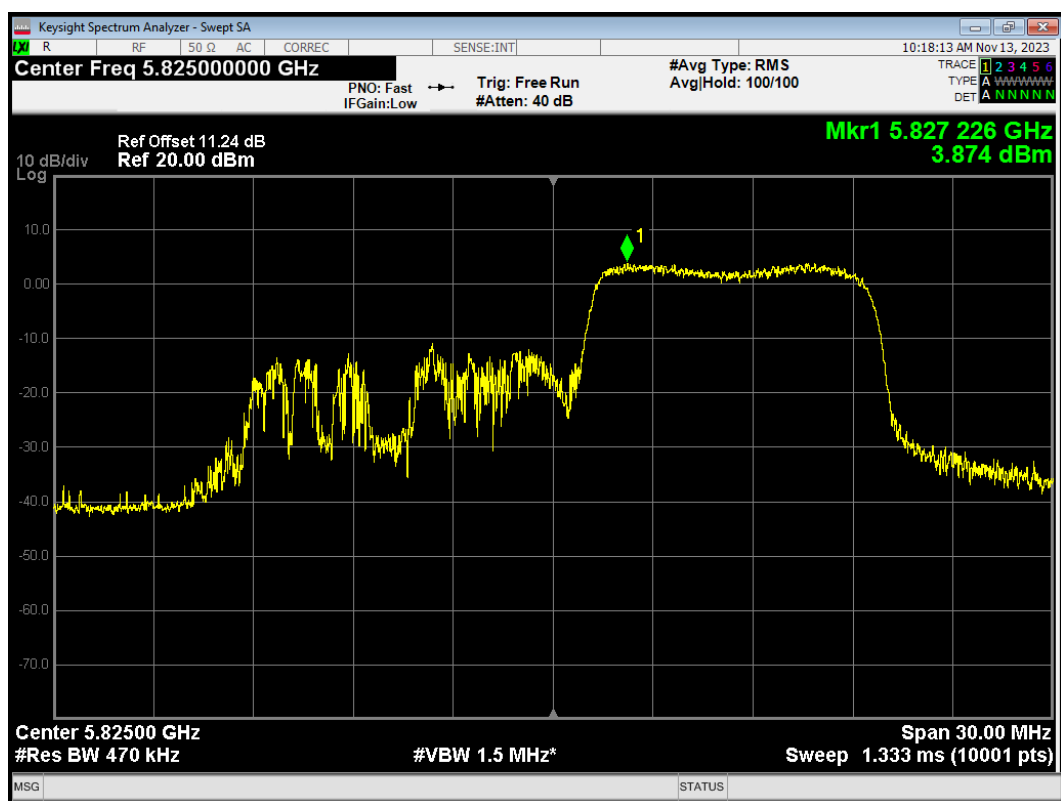
PSD 802.11ax HE20 106-Tones 5745MHz



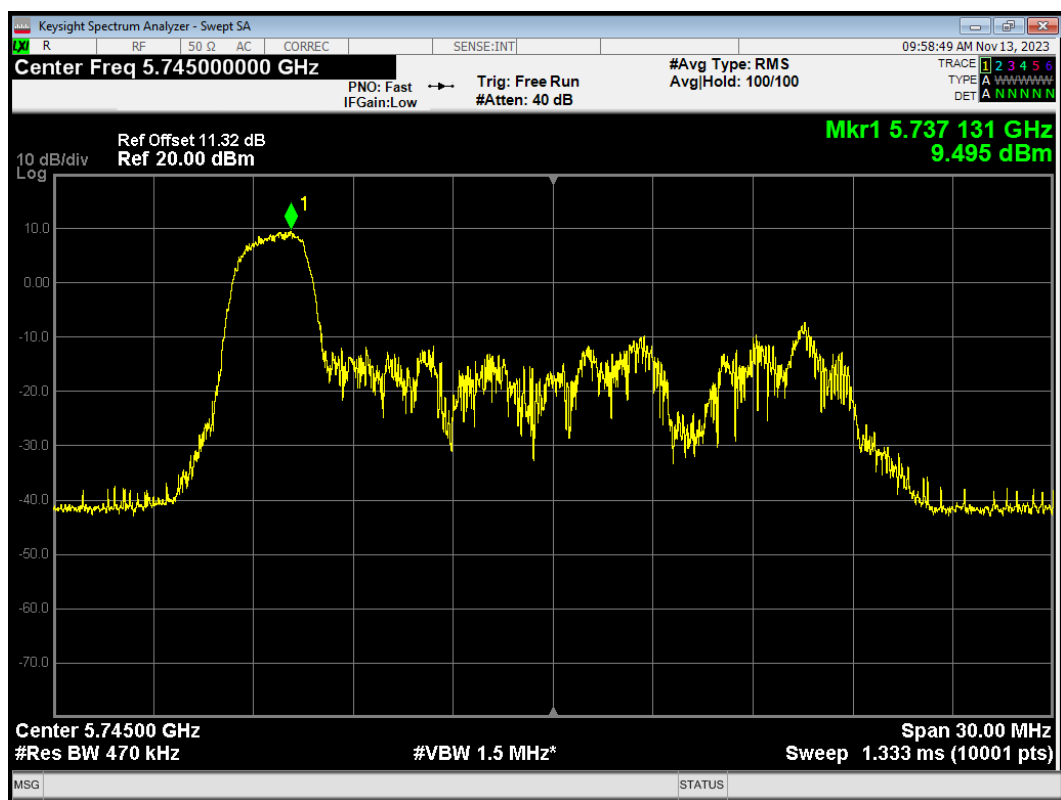
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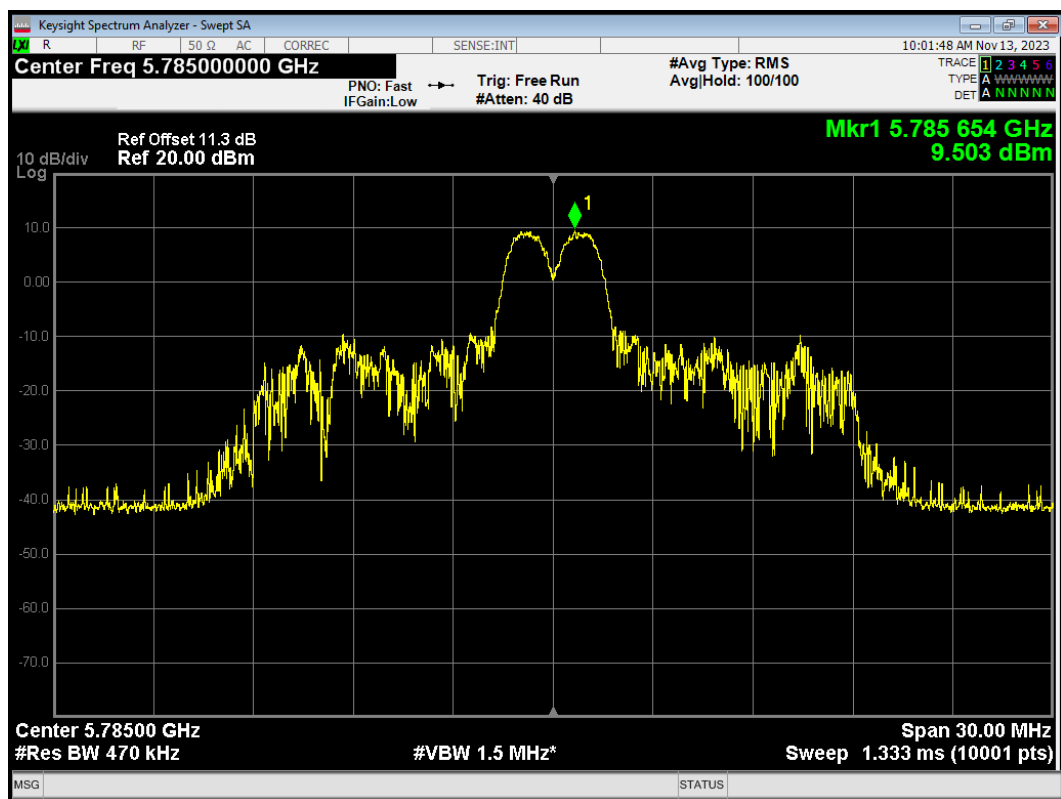
PSD 802.11ax HE20 106-Tones 5825MHz



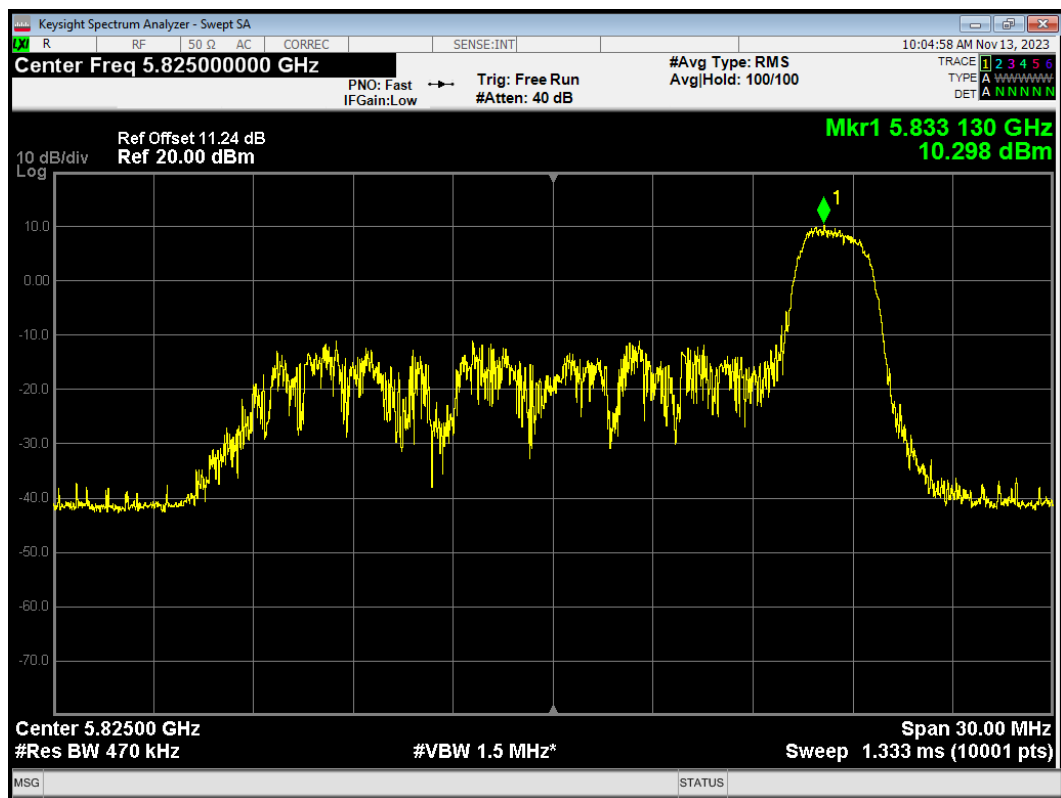
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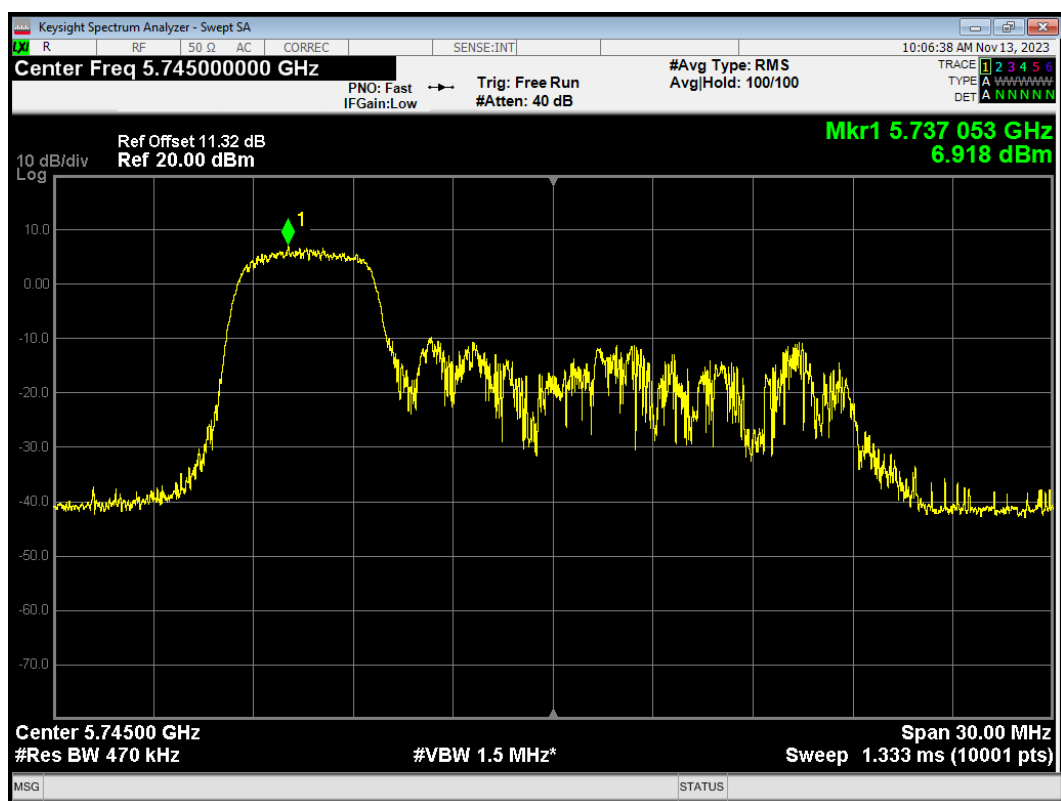
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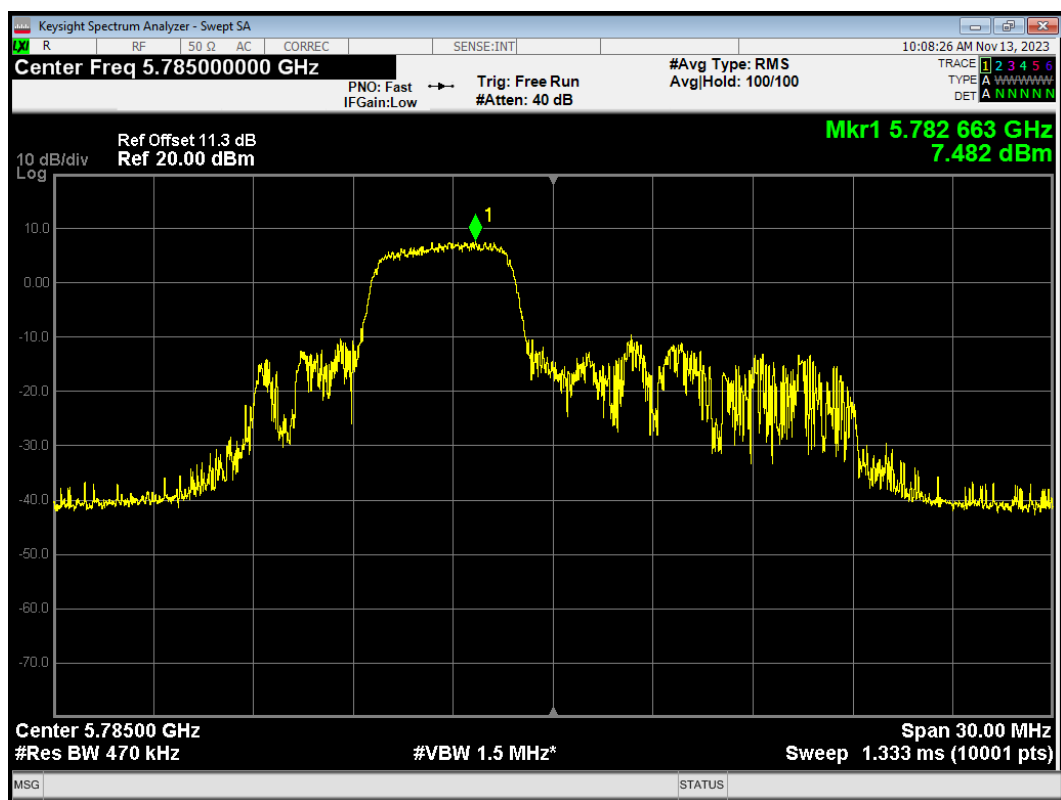
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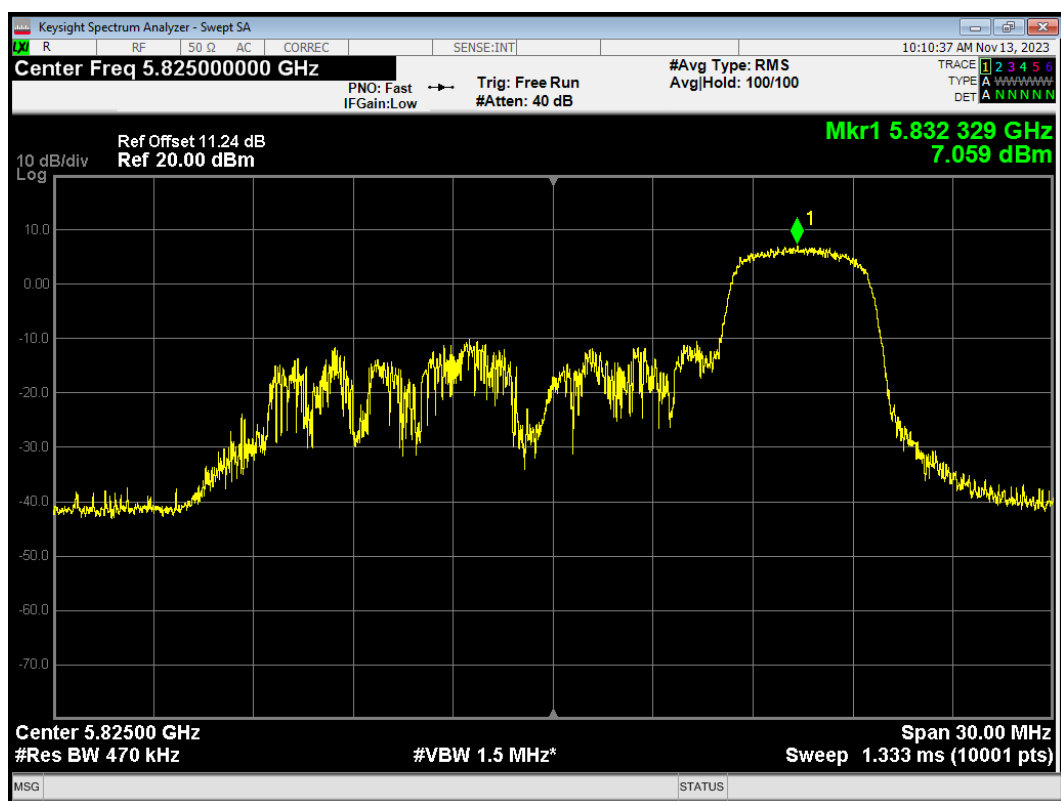
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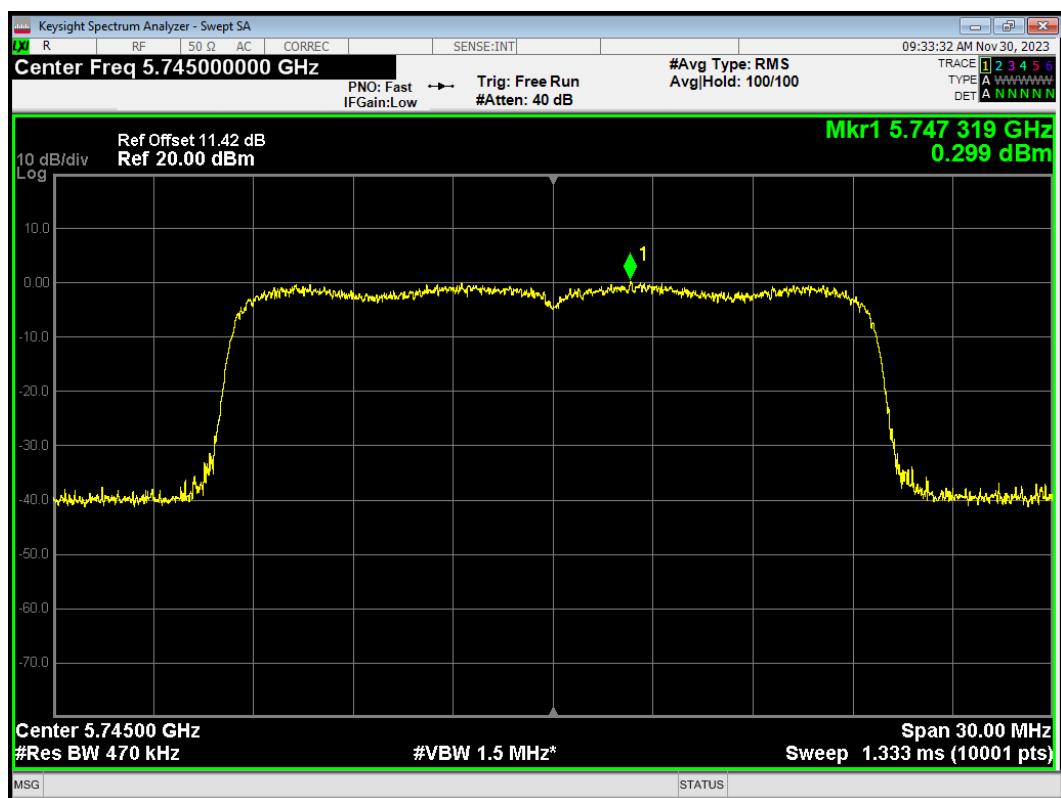
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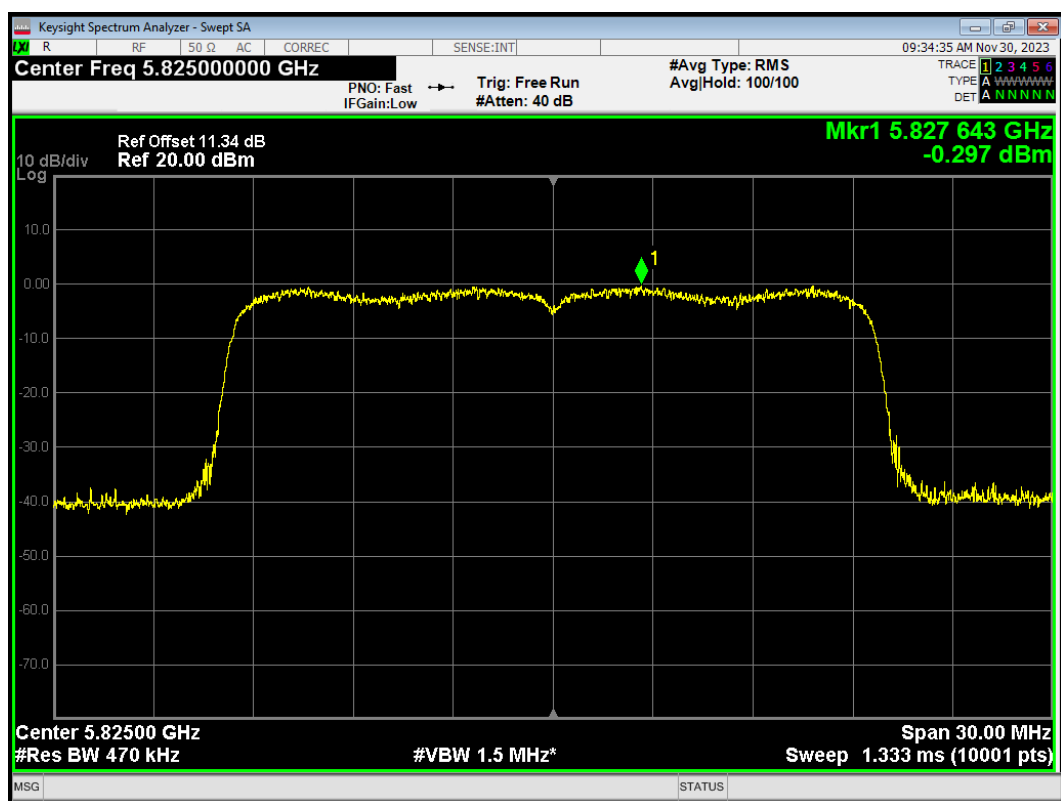


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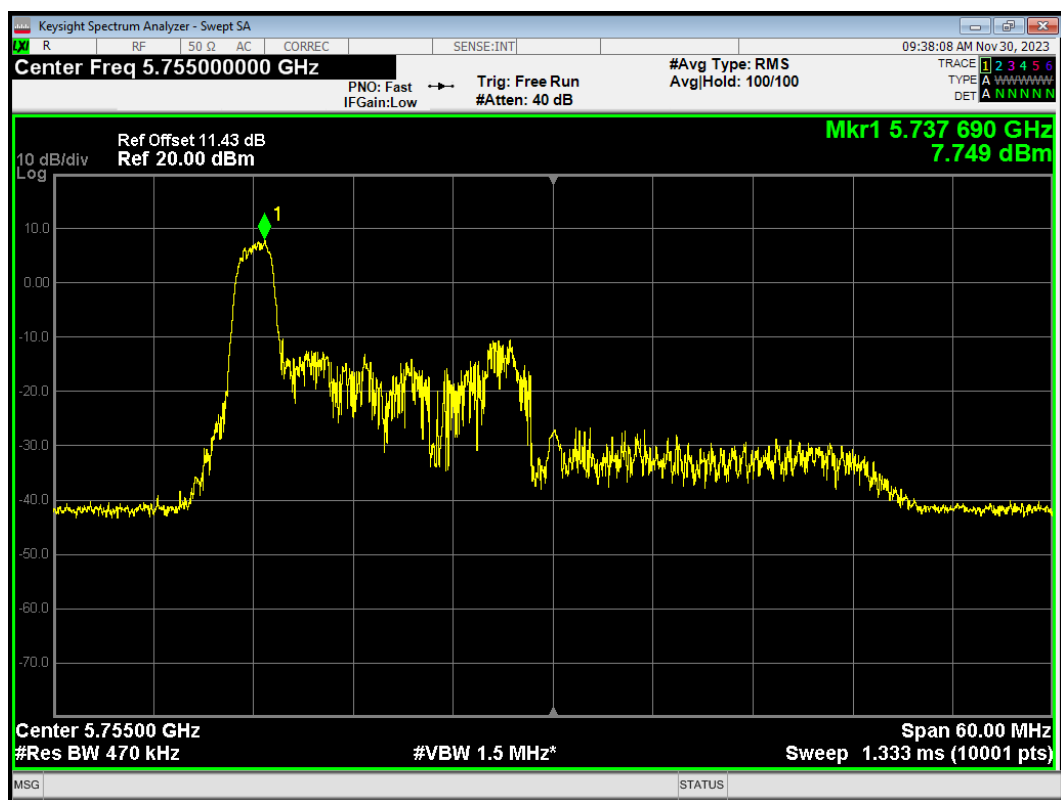




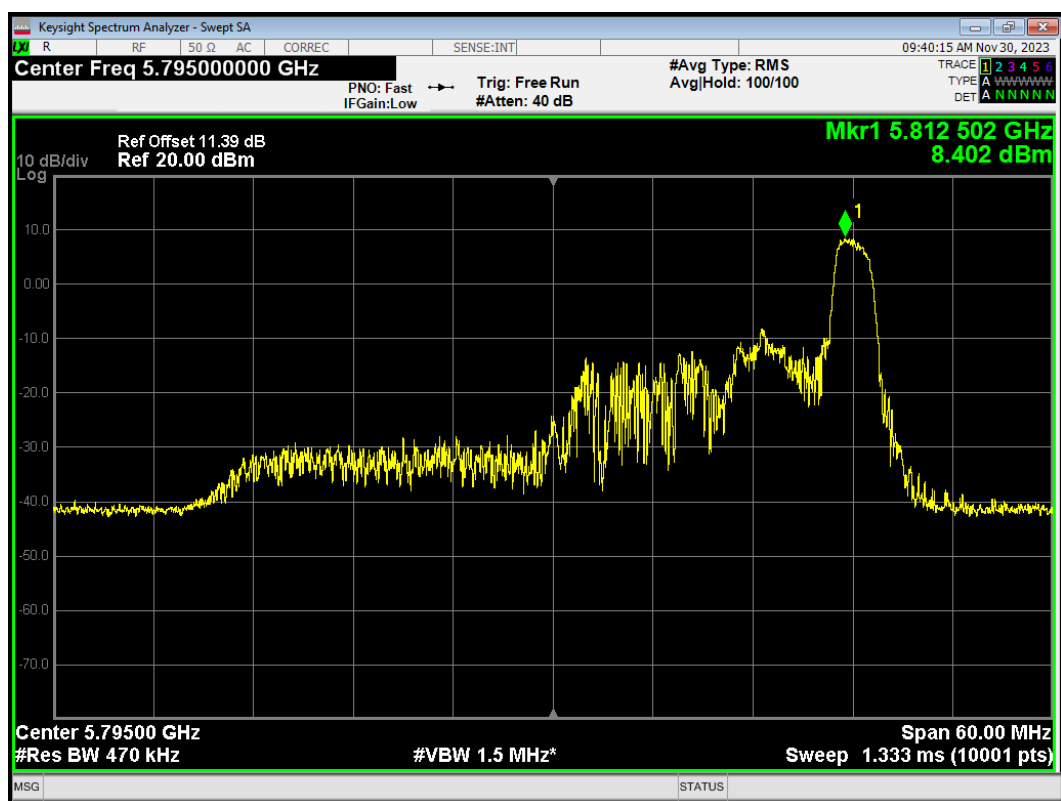
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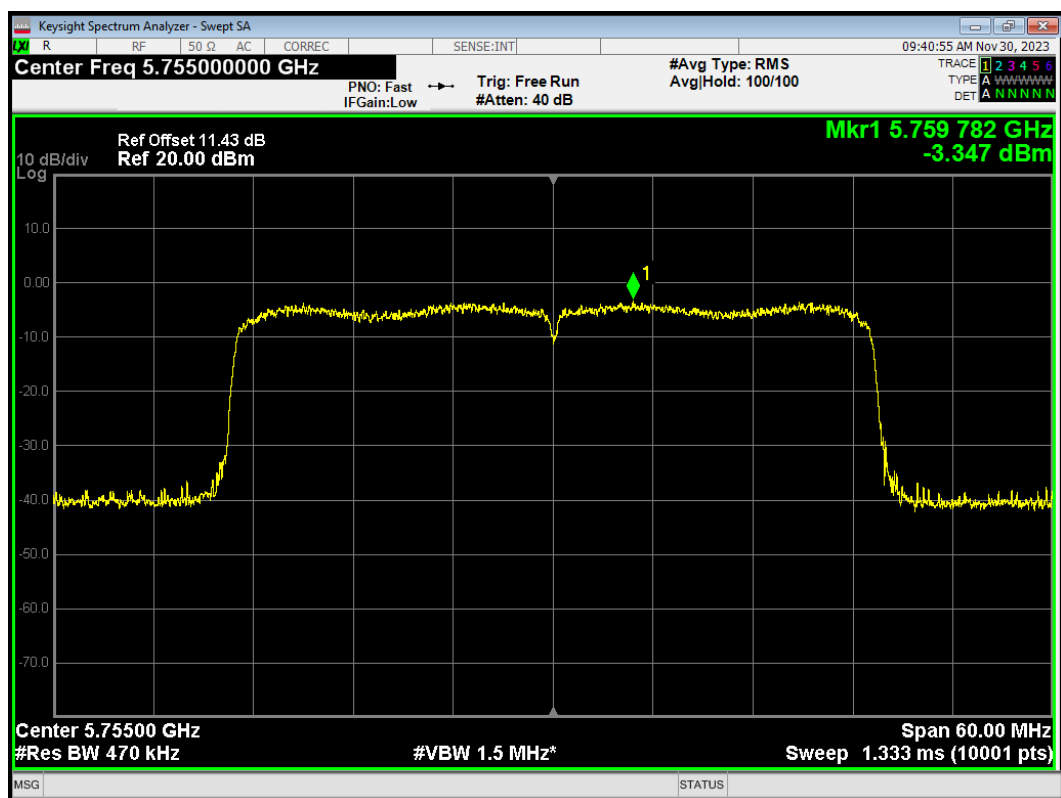
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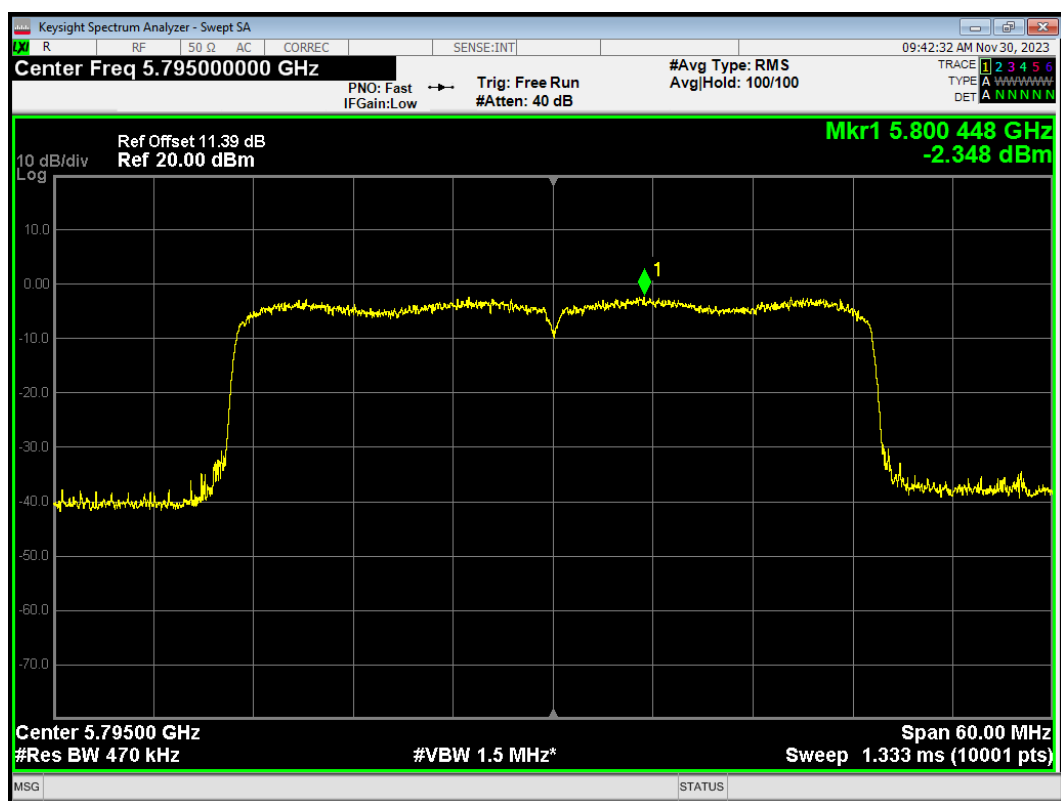
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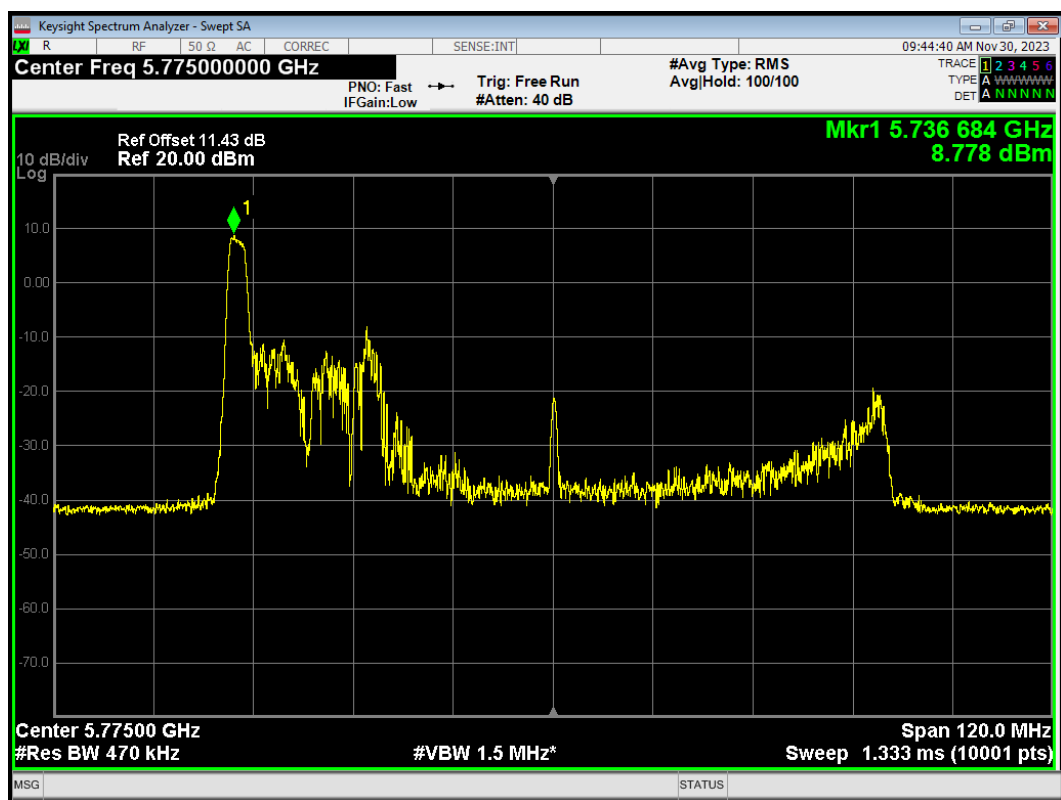
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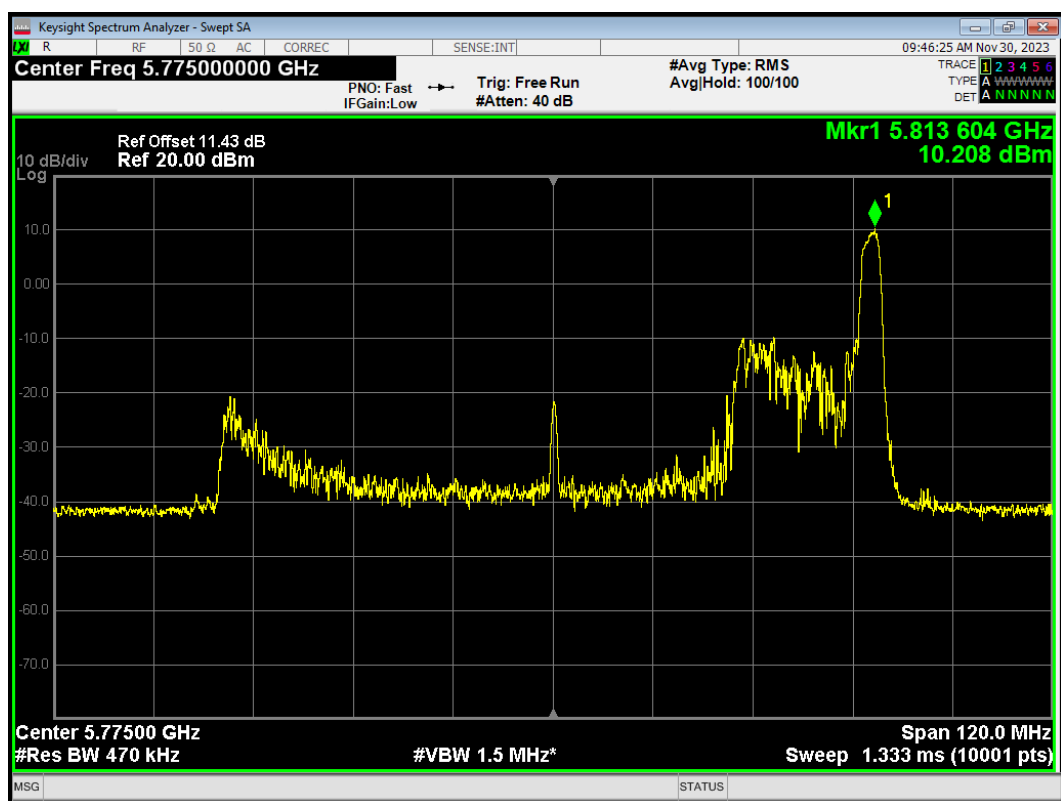
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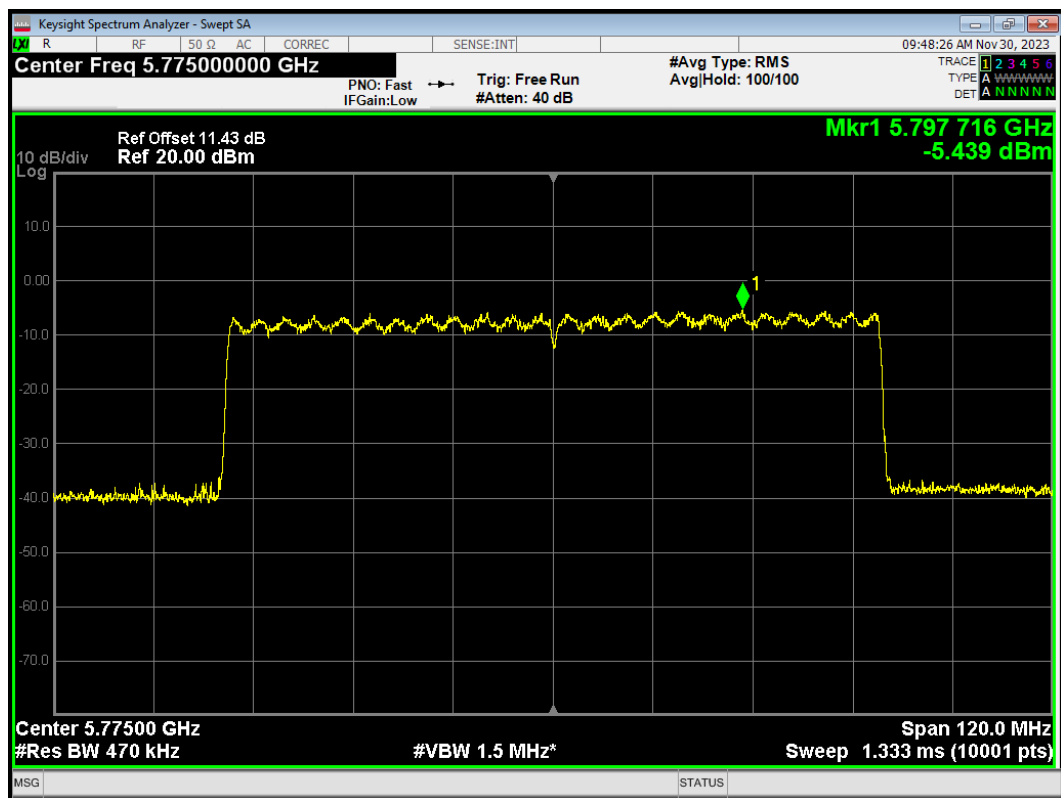
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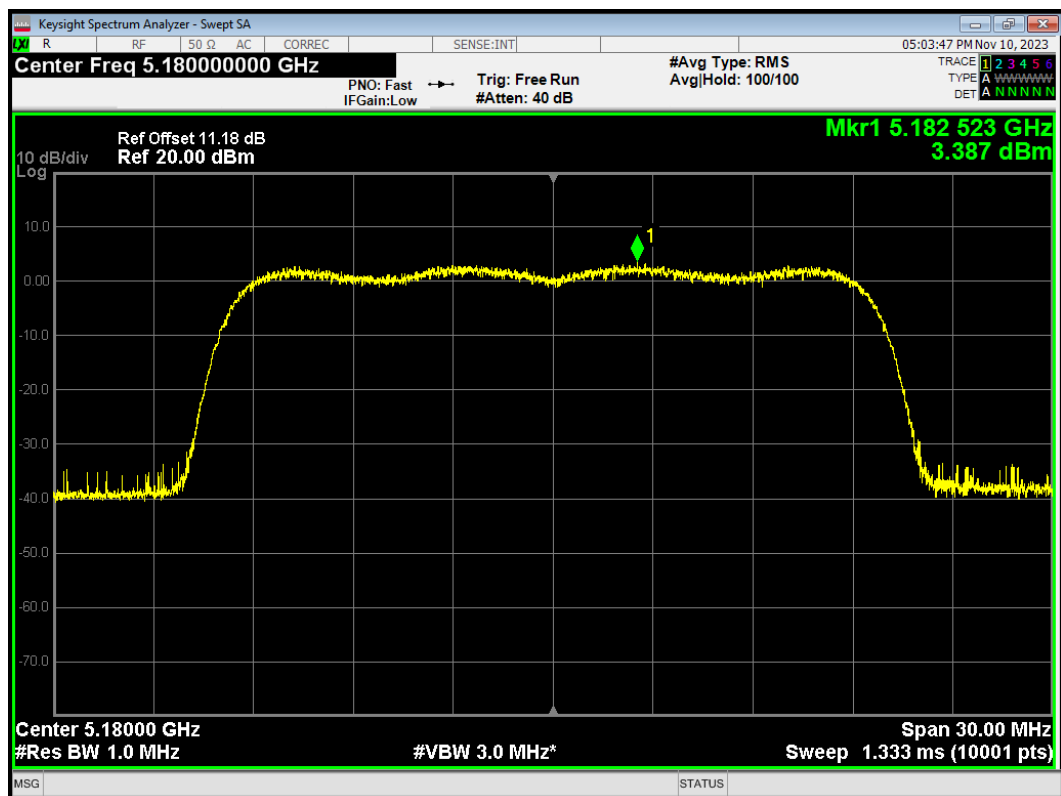
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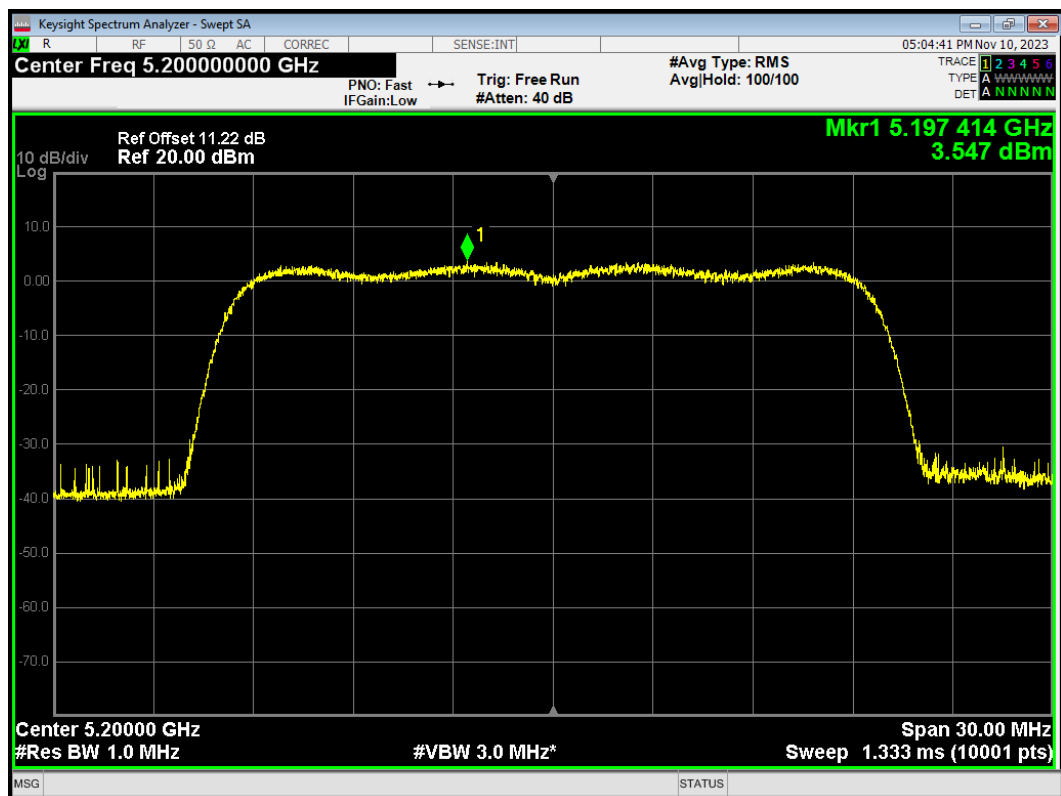
ERSU Mode

U-NII-1

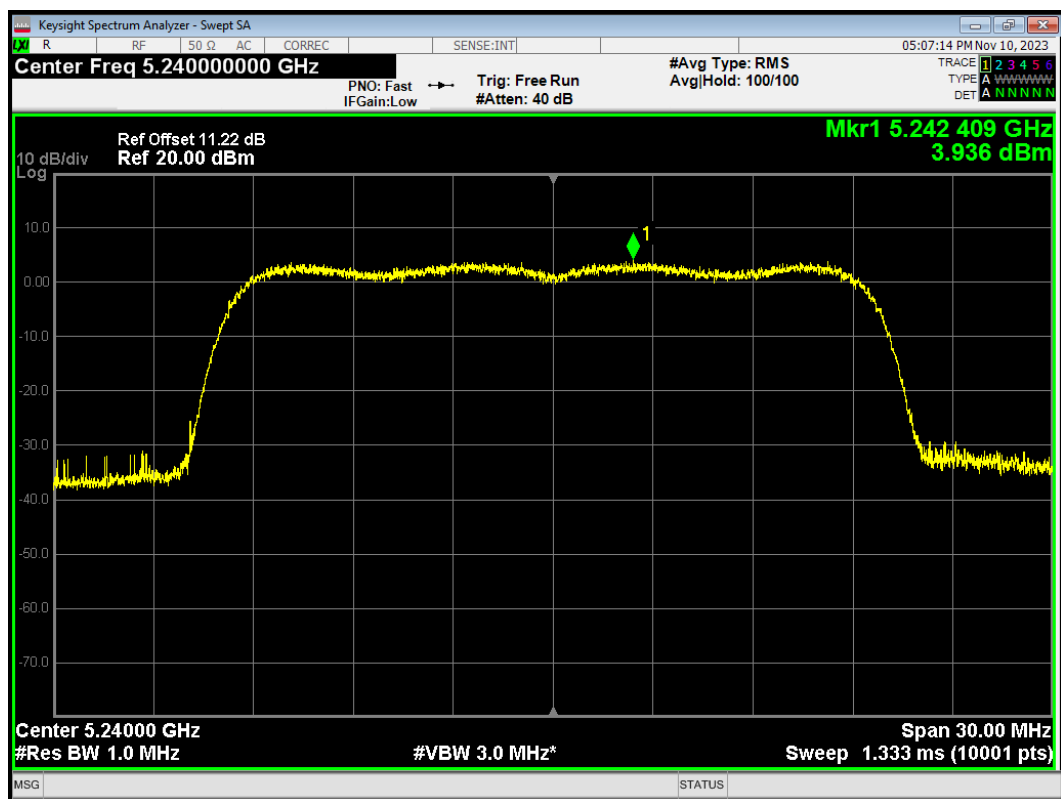
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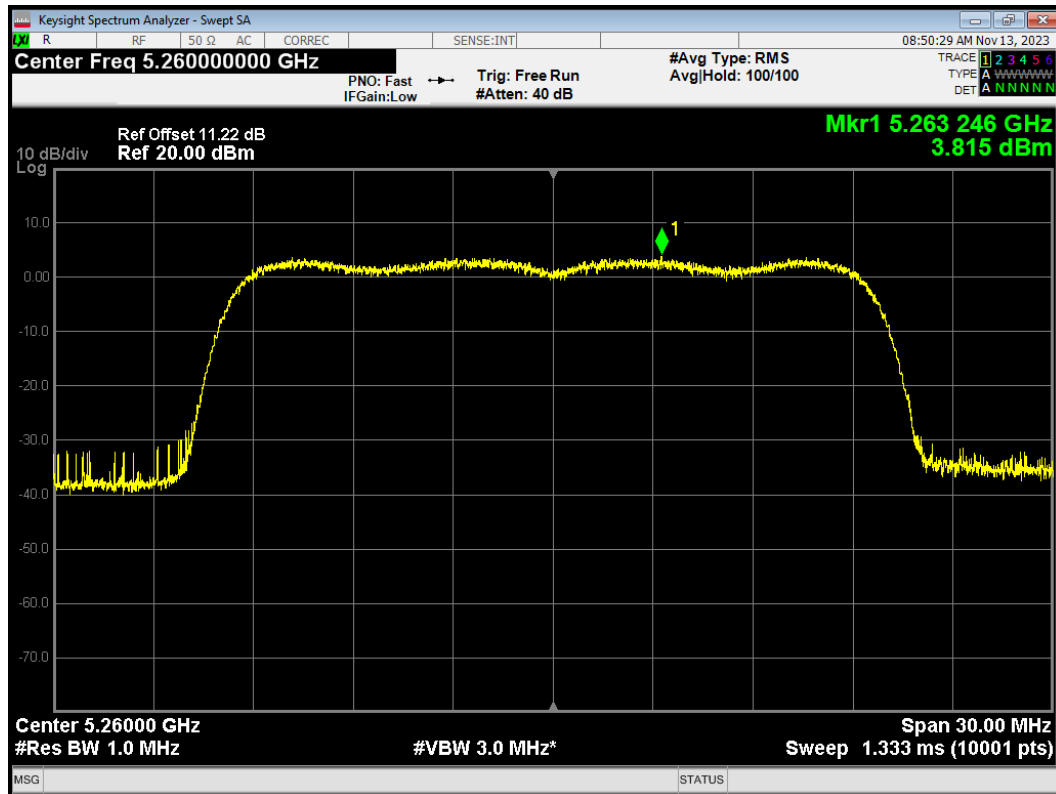


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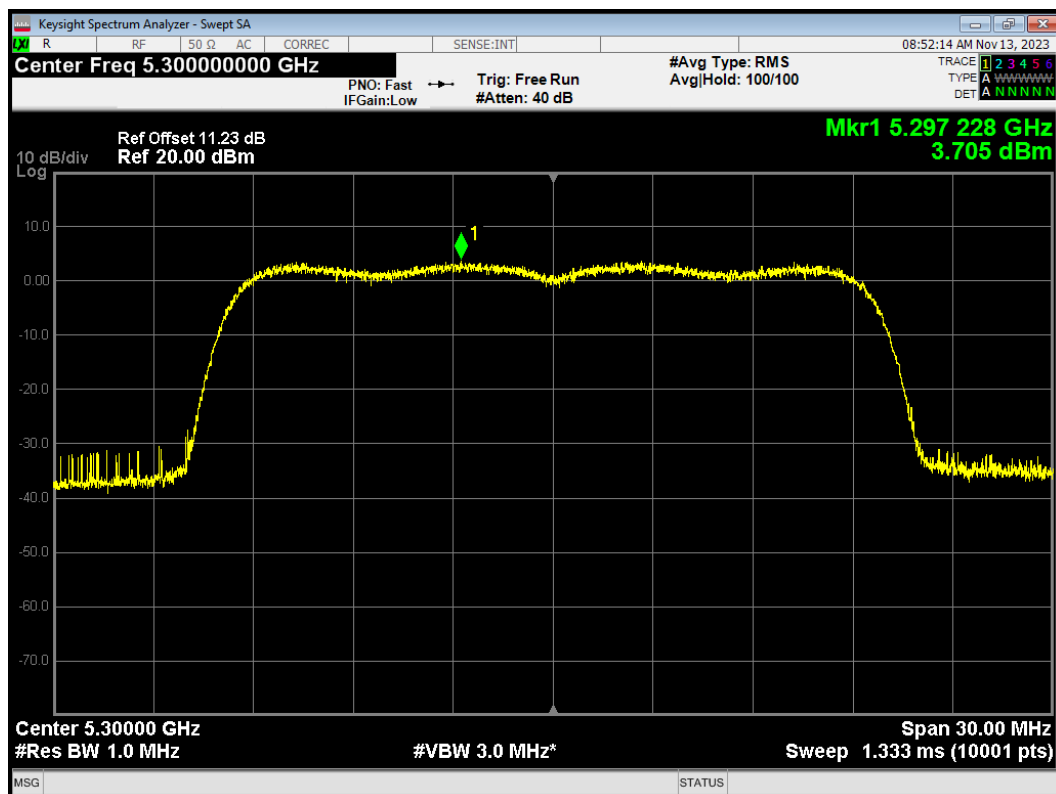


U-NII-2A

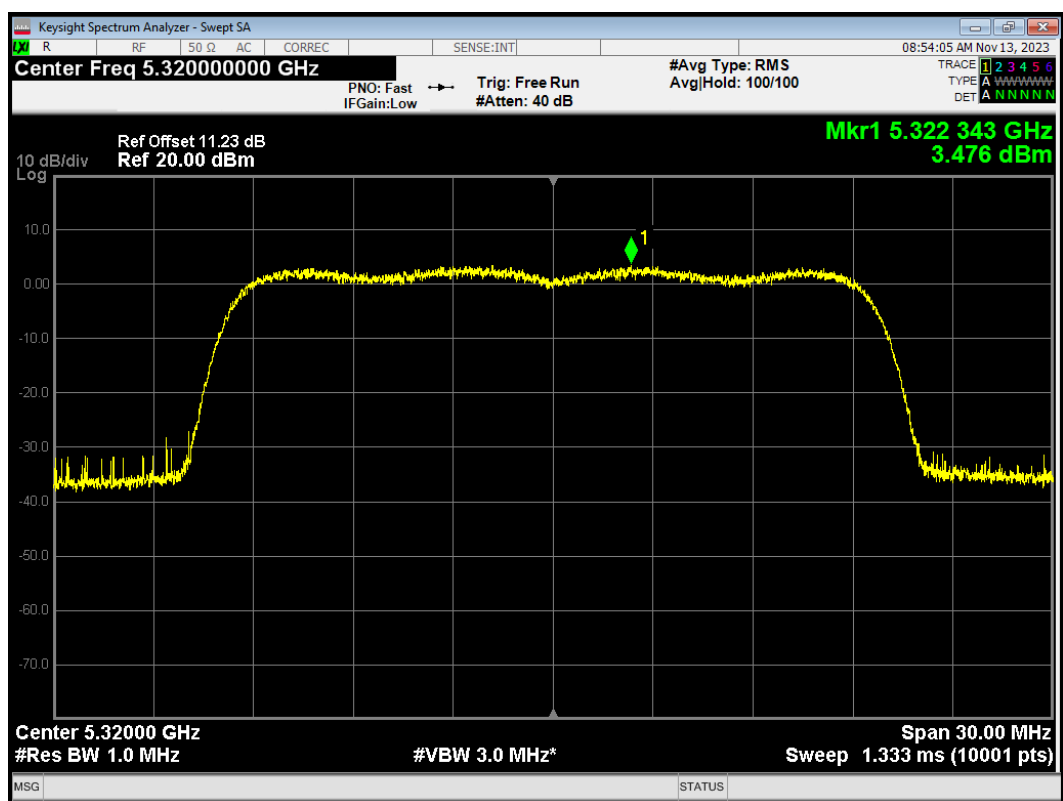
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PSD 802.11ax HE20 242-Tones 5300MHz



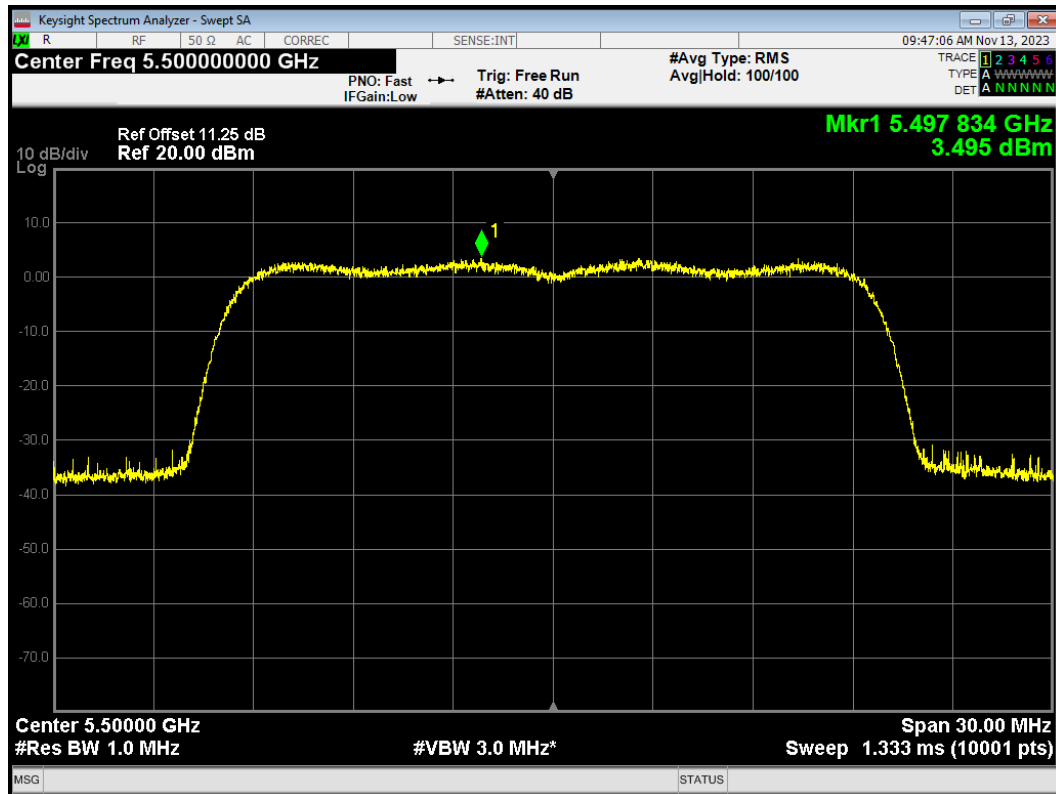
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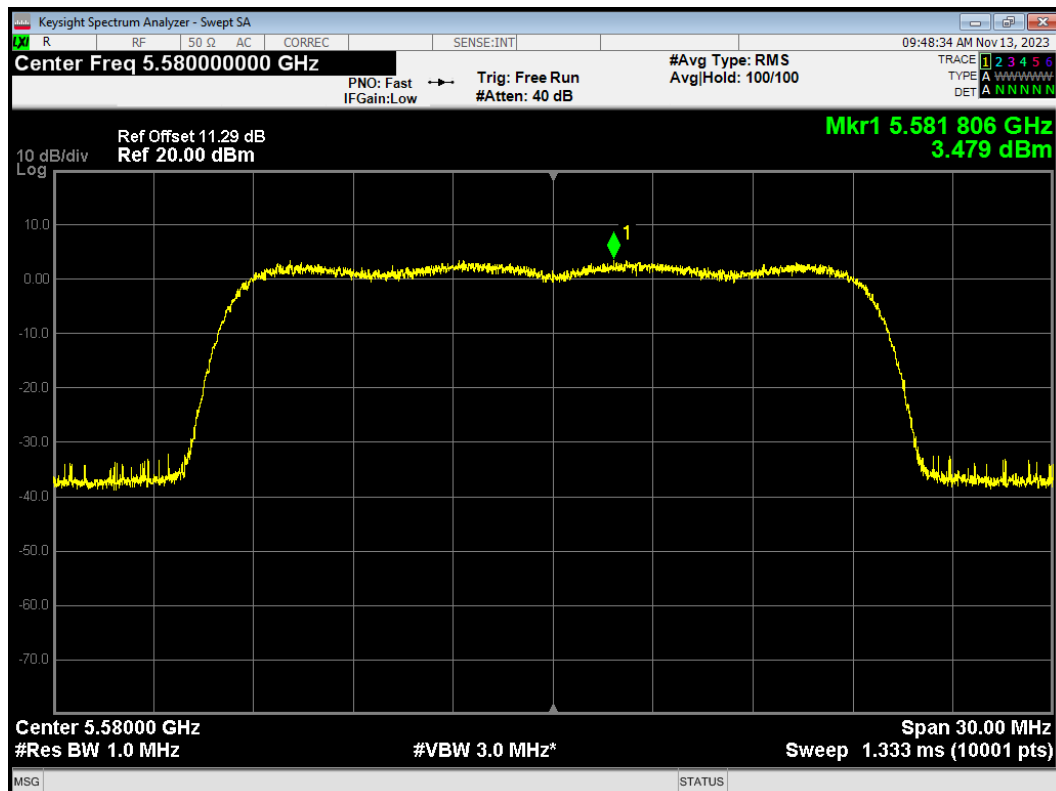


U-NII-2C

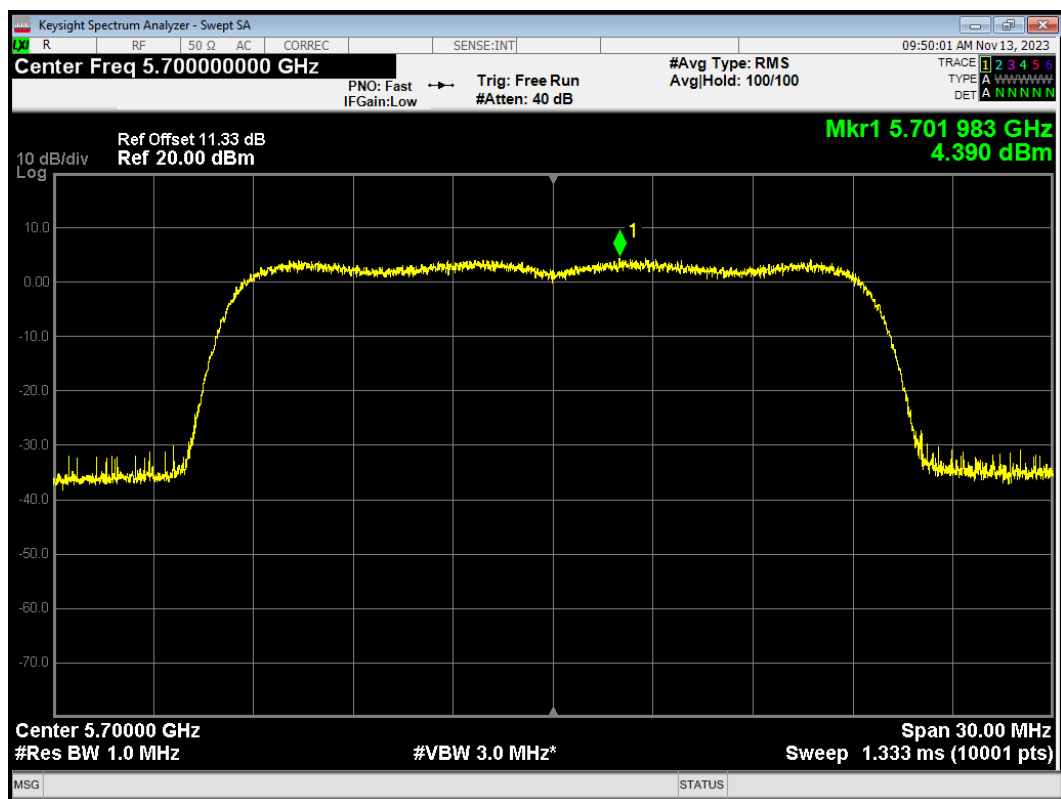
PSD 802.11ax HE20 242-Tones 5500MHz



PSD 802.11ax HE20 242-Tones 5580MHz

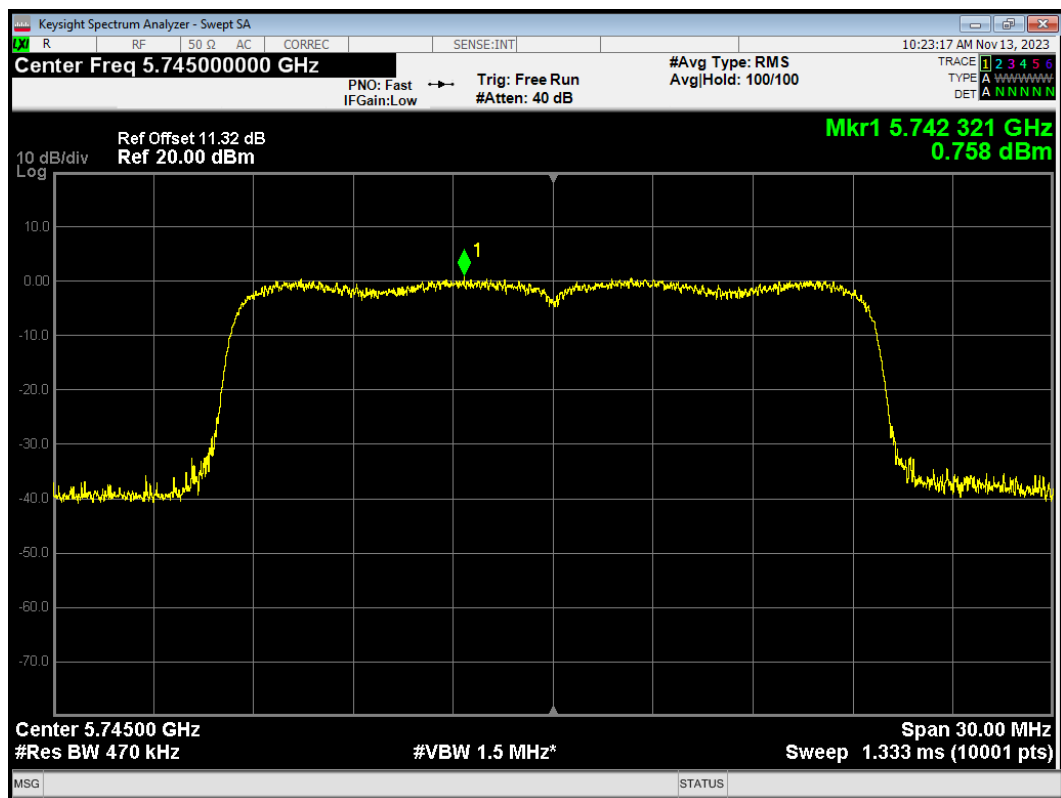


PSD 802.11ax HE20 242-Tones 5700MHz

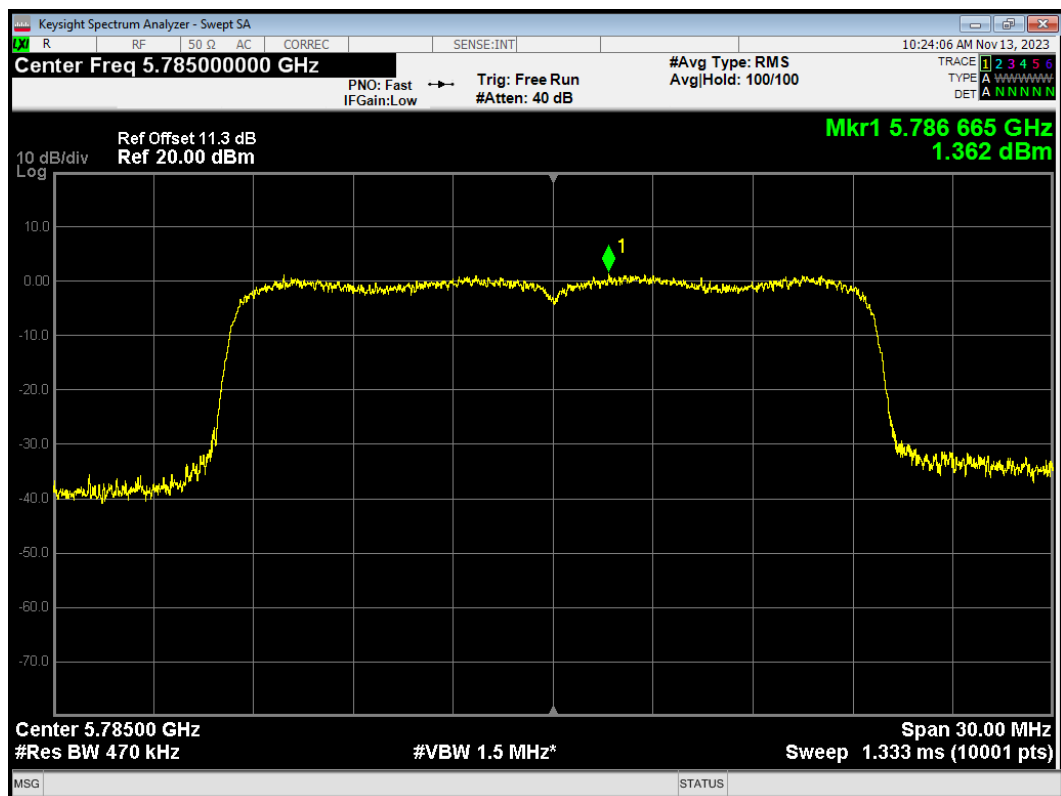


U-NII-3

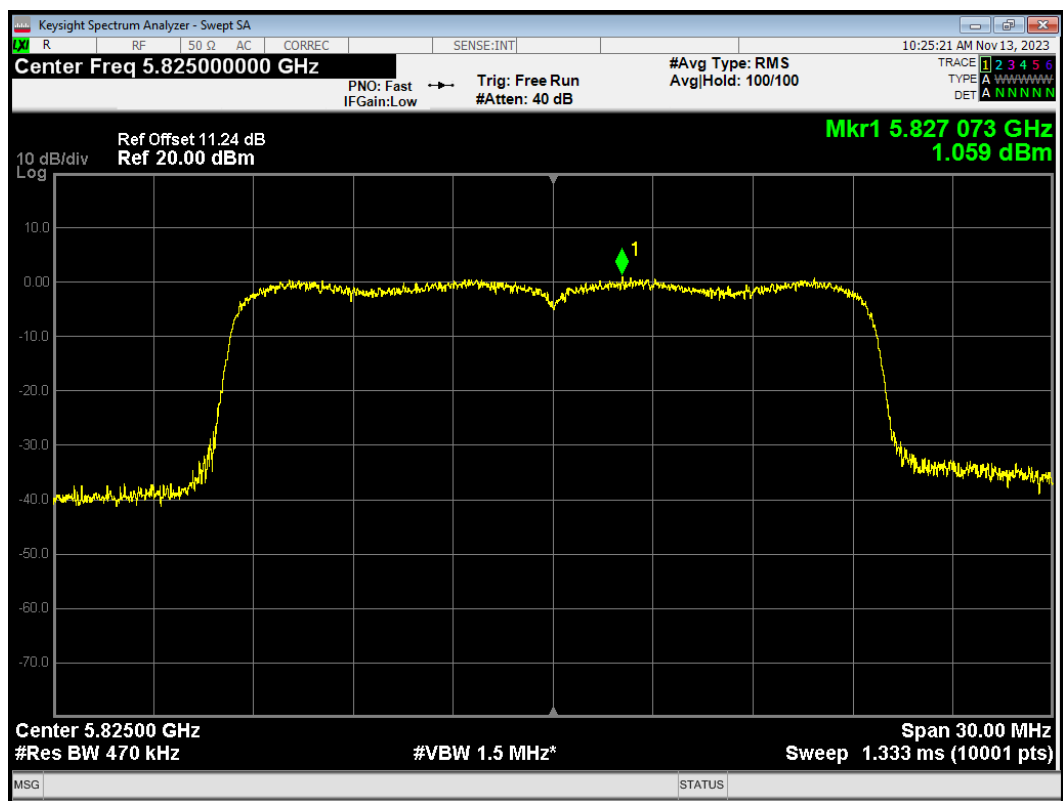
PSD 802.11ax HE20 242-Tones 5745MHz



PSD 802.11ax HE20 242-Tones 5785MHz



PSD 802.11ax HE20 242-Tones 5825MHz



## 5.5. Unwanted Emission

### Ambient condition

| Temperature | Relative humidity | Pressure |
|-------------|-------------------|----------|
| 23°C ~25°C  | 45%~50%           | 101.5kPa |

### Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

9kHz~150 kHz

RBW=200Hz, VBW=1kHz/ Sweep=AUTO

150 kHz~30MHz

RBW=9KHz, VBW=30KHz,/ Sweep=AUTO

Below 1GHz

RBW=100kHz / VBW=300kHz / Sweep=AUTO

a) Peak emission levels are measured by setting the instrument as follows:

Above 1GHz

PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

b) Average emission levels are measured by setting the instrument as follows:

Above 1GHz

AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

c) Detector: The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)

e) Sweep time = auto.

f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and

OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is  $[10 \log (1 / D)]$ , where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is  $[20 \log (1 / D)]$ , where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

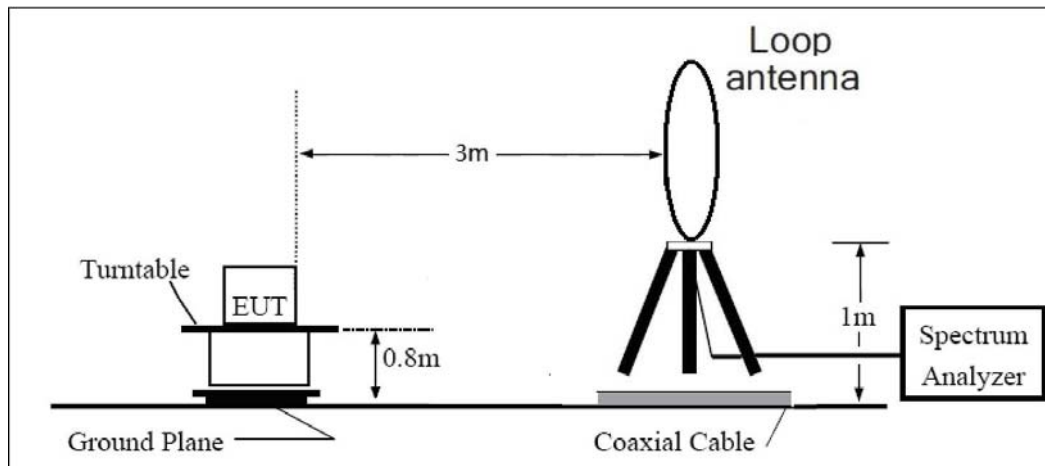
Reduce the video bandwidth until no significant variations in the displayed signal are observed in subsequent traces, provided the video bandwidth is no less than 1 Hz. For regulatory requirements that specify averaging only over the transmit duration (e.g., digital transmission system [DTS] and Unlicensed National Information Infrastructure [U-NII]), the video bandwidth shall be greater than  $[1 / (\text{minimum transmitter on time})]$  and no less than 1 Hz.

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the loop antenna is vertical, others antenna are vertical and horizontal.

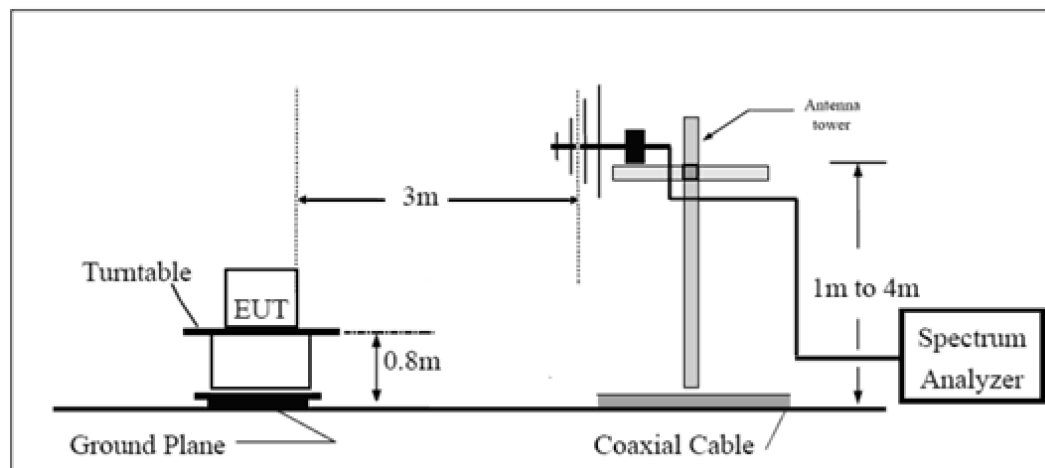
The test is in transmitting mode.

# Test setup

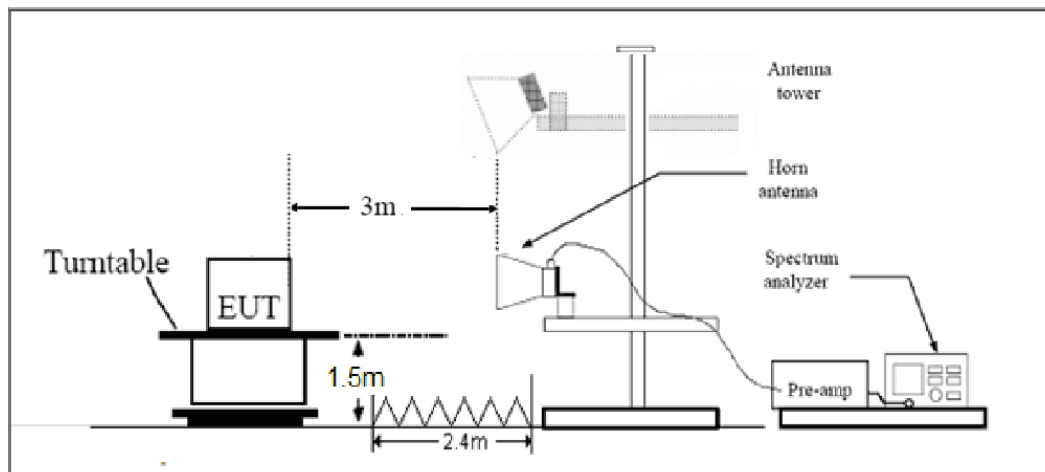
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

## Limits

- (1) For transmitters operating in the 5725-5850 MHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (2) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz(68.2dBμV/m).
- (3) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz(68.2dBμV/m).
- (4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz(68.2dBμV/m).

Note: the following formula is used to convert the EIRP to field strength

§1、  $E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$ , where E = field strength and

d = distance at which field strength limit is specified in the rules;

§2、  $E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2$ , for d = 3 meters

- (5) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

| Frequency of emission (MHz) | Field strength(μV/m) | Field strength(dBμV/m) |
|-----------------------------|----------------------|------------------------|
| 0.009–0.490                 | 2400/F(kHz)          | /                      |
| 0.490–1.705                 | 24000/F(kHz)         | /                      |
| 1.705–30.0                  | 30                   | /                      |
| 30-88                       | 100                  | 40                     |
| 88-216                      | 150                  | 43.5                   |
| 216-960                     | 200                  | 46                     |
| Above960                    | 500                  | 54                     |



| MHz                 | MHz                   | MHz             | GHz              |
|---------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110       | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| 0.495 - 0.505       | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905     | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128       | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775   | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775   | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218       | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825   | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225   | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294       | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366       | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675   | 156.7 - 156.9         | 2690 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475   | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293      | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025 | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725 | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |
| 13.36 - 13.41       |                       |                 |                  |

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ .

| Frequency     | Uncertainty |
|---------------|-------------|
| 9KHz-30MHz    | 3.55 dB     |
| 30MHz-200MHz  | 4.17 dB     |
| 200MHz-1GHz   | 4.84 dB     |
| 1-18GHz       | 4.35 dB     |
| 18-26.5GHz    | 5.90 dB     |
| 26.5GHz~40GHz | 5.92 dB     |

## Test Results:

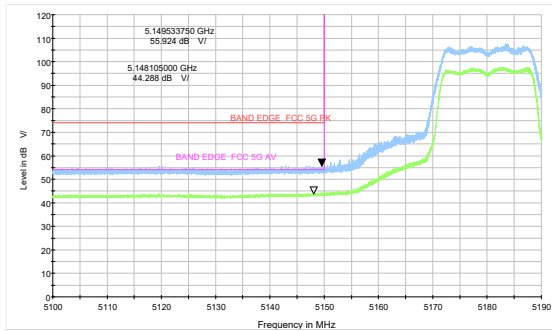
The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ac mode for V20MHz/V40MHz, therefore investigated worst case to representative mode in test report.

A symbol ( $\text{dB } \mu\text{V/m}$ ) in the test plot below means ( $\text{dB}\mu\text{V/m}$ )

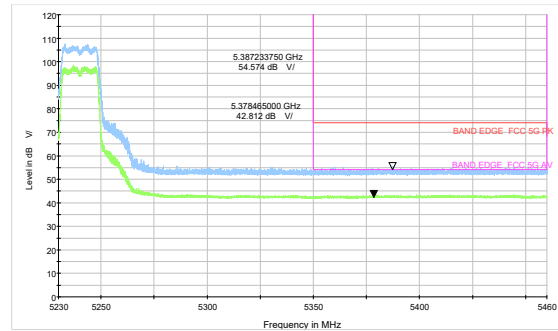
**The signal beyond the limit is carrier.**

### U-NII-1

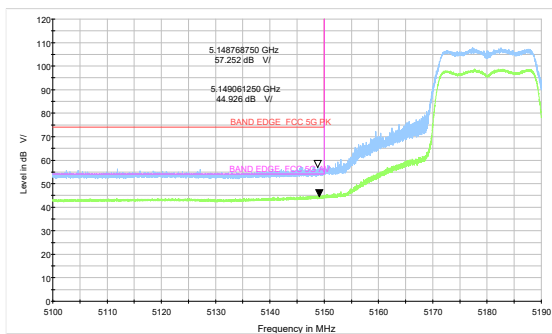
802.11a-Channel 36: Peak + Average



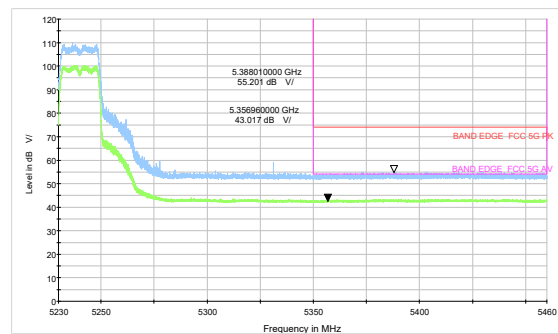
802.11a-Channel 48: Peak + Average



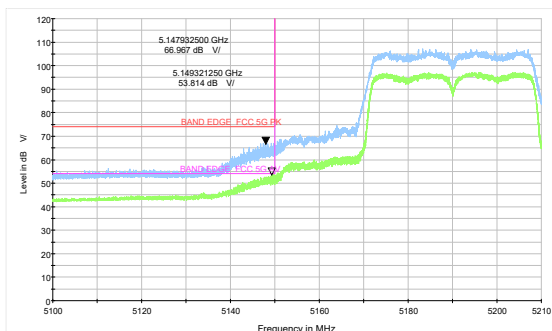
802.11n HT20-Channel 36: Peak + Average



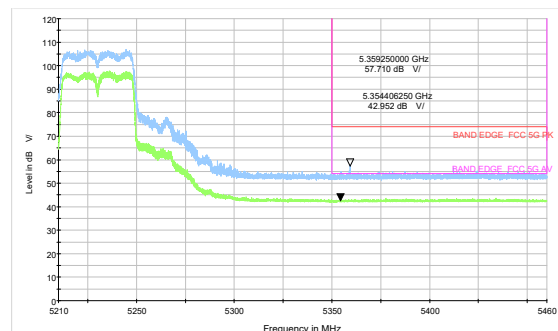
802.11n HT20-Channel 48: Peak + Average



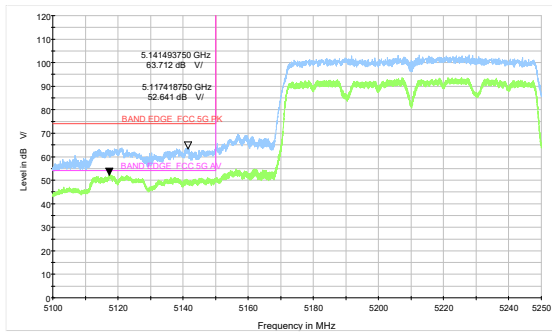
802.11n HT40-Channel 38: Peak + Average



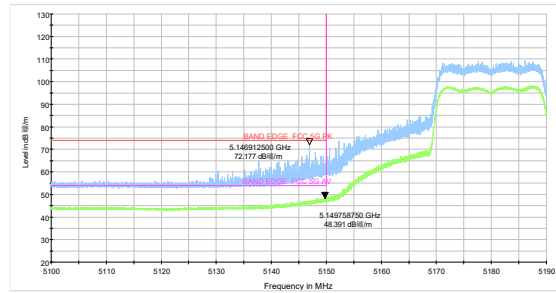
802.11n HT40-Channel 46: Peak + Average



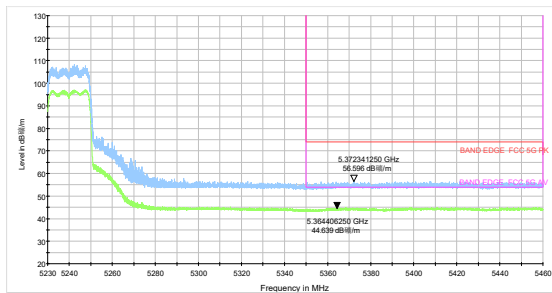
802.11ac VHT80 –Channel 42: Peak + Average



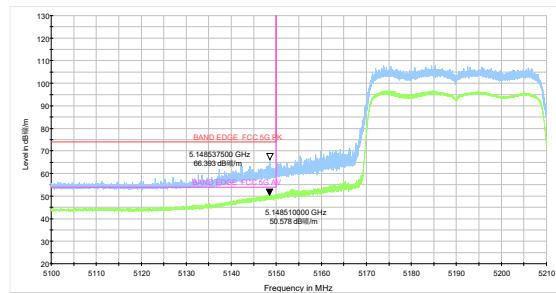
802.11ax HE20 -Channel 36: Peak + Average



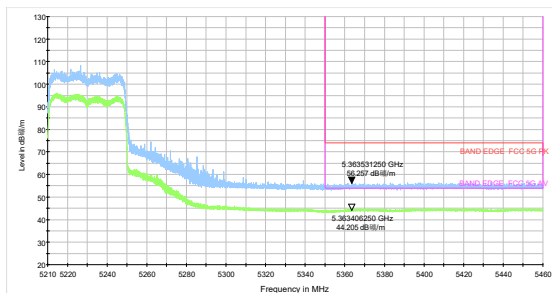
802.11ax HE20 -Channel 48: Peak + Average



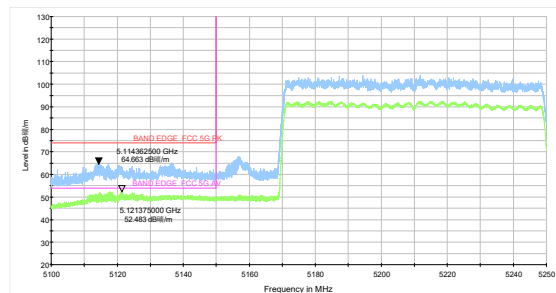
802.11ax HE40-Channel 38: Peak + Average



802.11ax HE40-Channel 46: Peak + Average

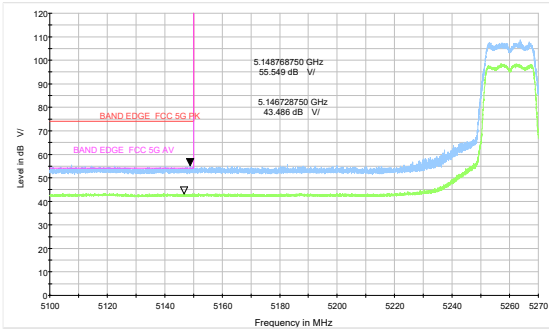


802.11ax HE80-Channel 42: Peak + Average

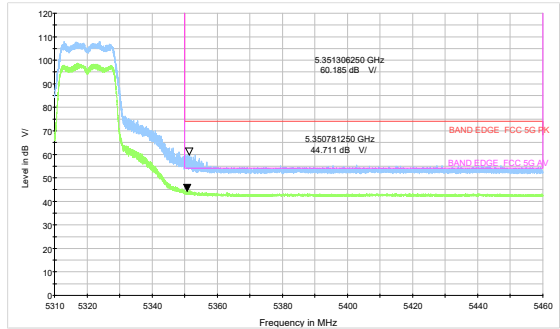


# U-NII-2A

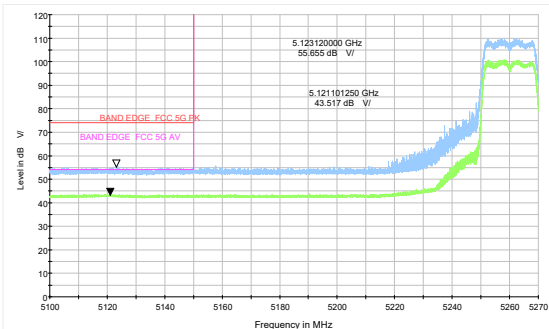
802.11a-Channel 52: Peak + Average



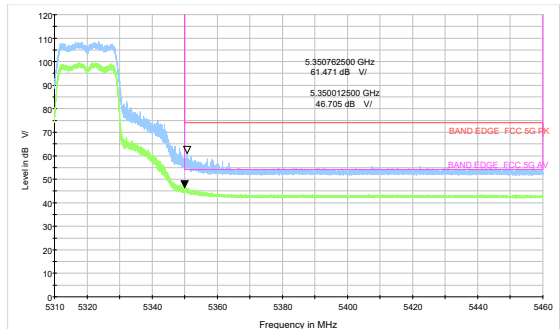
802.11a-Channel 64: Peak + Average



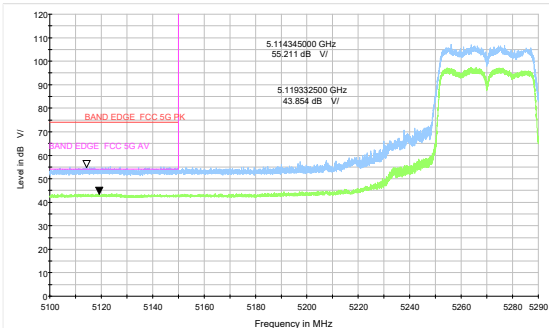
802.11n HT20-Channel 52: Peak + Average



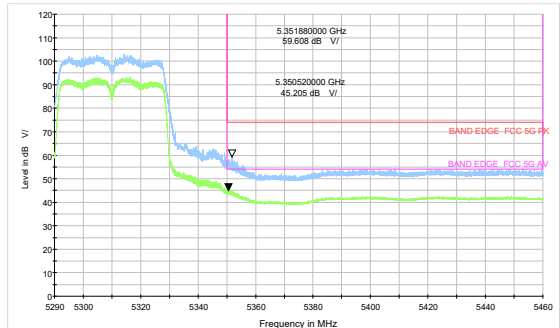
802.11n HT20-Channel 64: Peak + Average



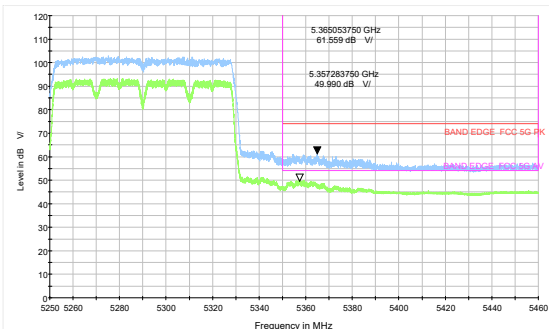
802.11n HT40-Channel 54: Peak + Average



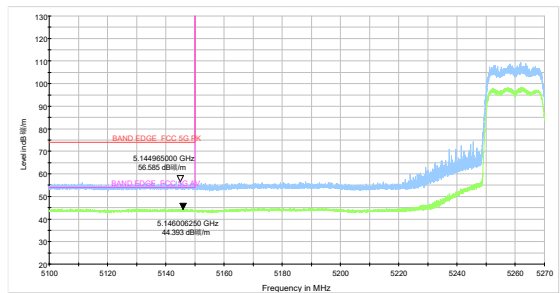
802.11n HT40-Channel 62: Peak + Average



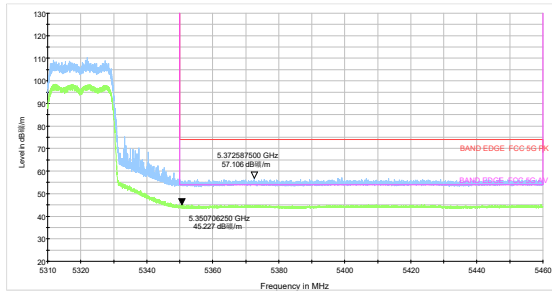
802.11ac VHT80 -Channel 58: Peak + Average



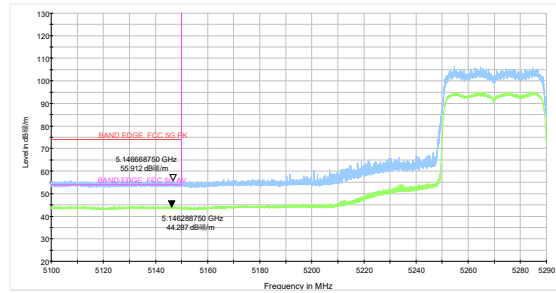
802.11ax HE20 -Channel 52: Peak + Average



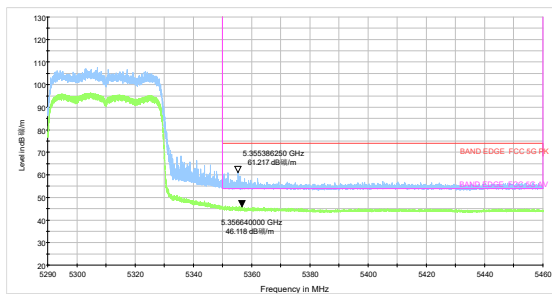
802.11ax HE20-Channel 64: Peak + Average



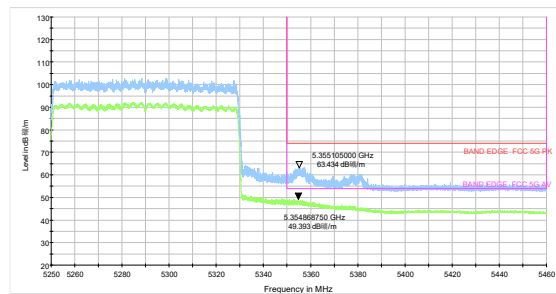
802.11ax HE40-Channel 54: Peak + Average



802.11ax HE40-Channel 62: Peak + Average

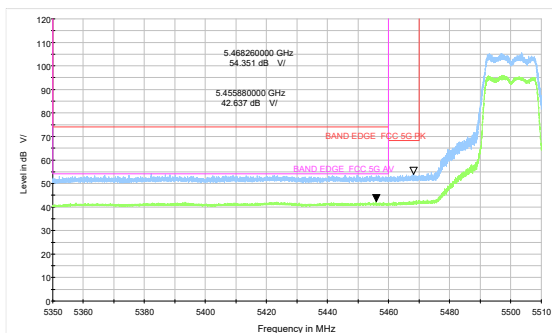


802.11ax HE80-Channel 58: Peak + Average

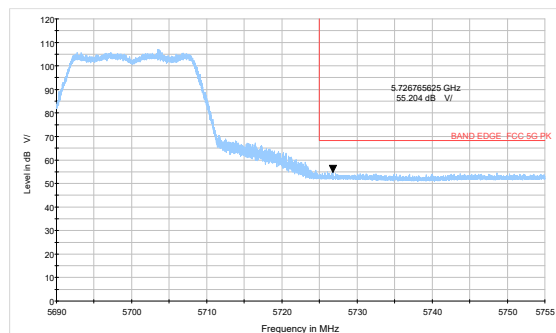


## U-NII-2C

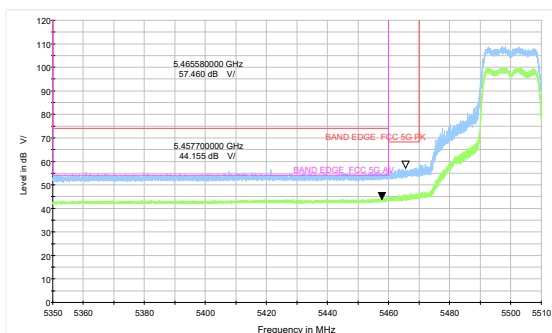
802.11a-Channel 100: Peak + Average



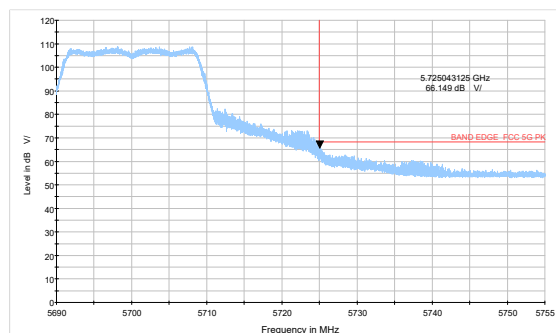
802.11a-Channel 140: Peak



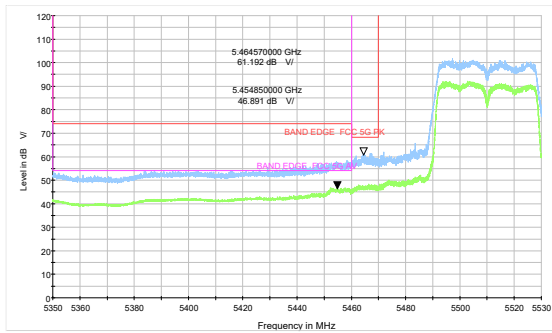
802.11n HT20-Channel 100: Peak + Average



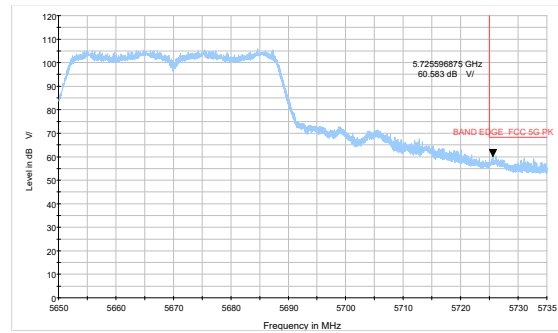
802.11n HT20-Channel 140: Peak



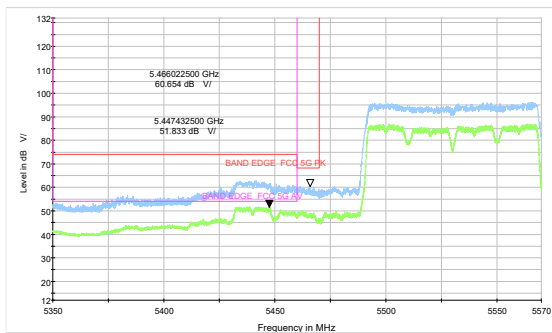
802.11n HT40-Channel 102: Peak + Average



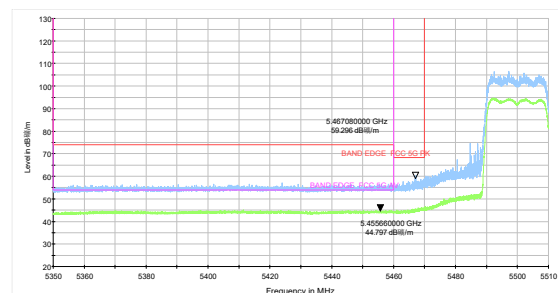
802.11n HT40-Channel 134: Peak



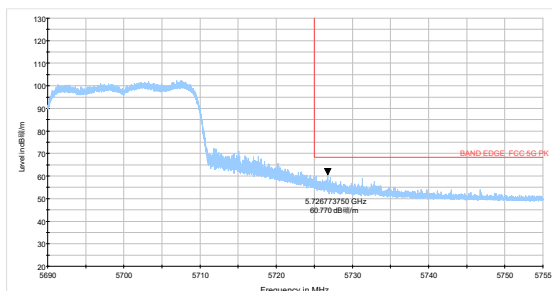
802.11ac VHT80-Channel 106: Peak + Average



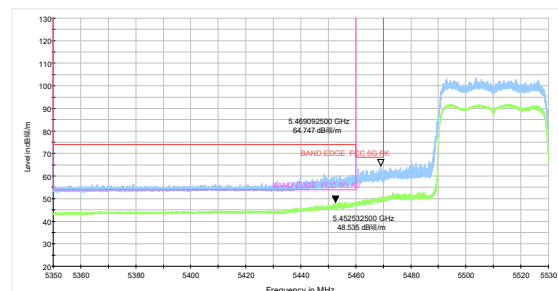
802.11ax HE20 -Channel 100: Peak + Average



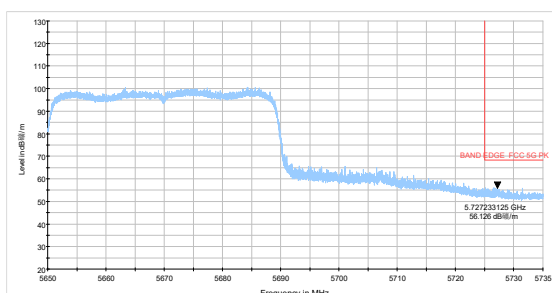
802.11ax HE20-Channel 140: Peak



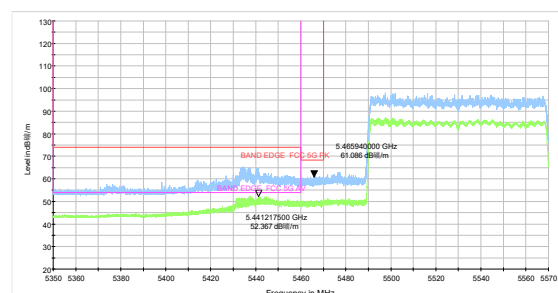
802.11ax HE40-Channel 102: Peak + Average



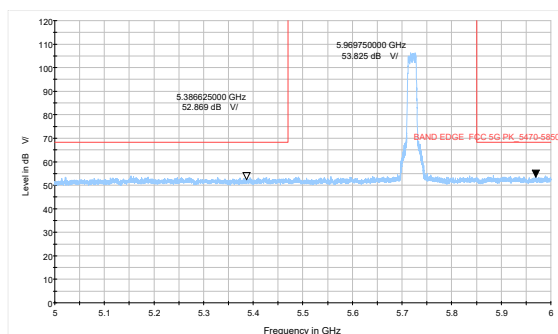
802.11ax HE40-Channel 134: Peak



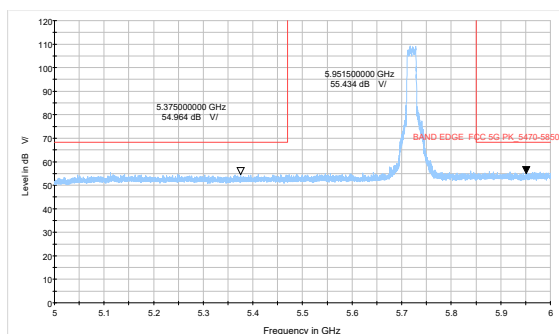
802.11ax HE80-Channel 106: Peak + Average



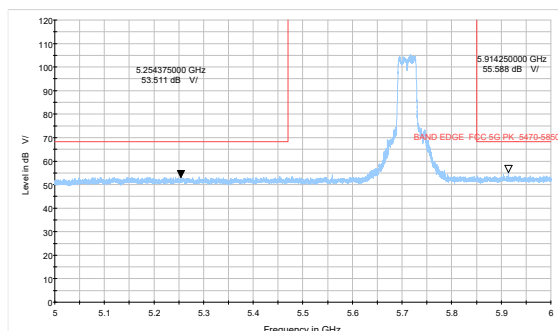
802.11a-Channel 144: Peak



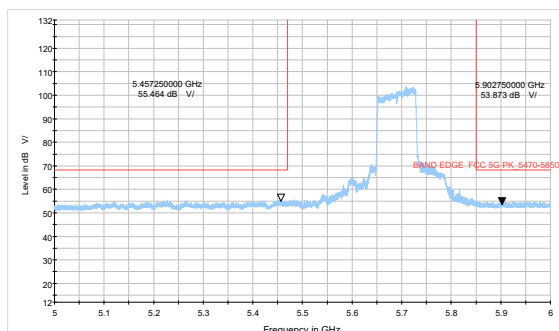
802.11n HT20-Channel 144: Peak



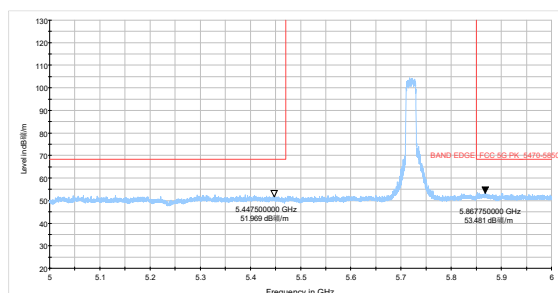
802.11n HT40-Channel 142: Peak



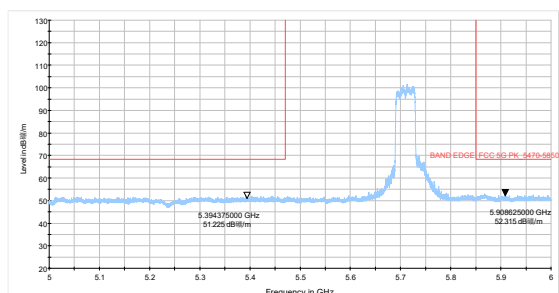
802.11ac VHT80- Channel 138: Peak



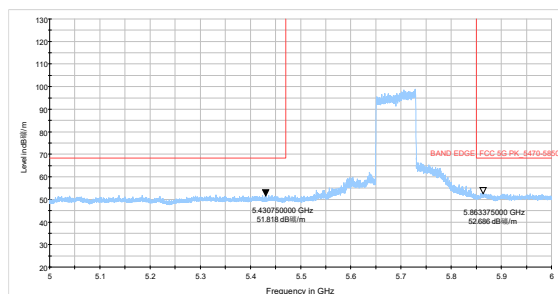
802.11ax HE20-Channel 144: Peak



802.11ax HE40-Channel 142: Peak

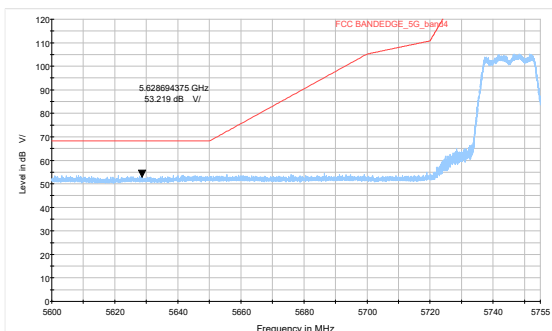


802.11ax HE80-Channel 138: Peak

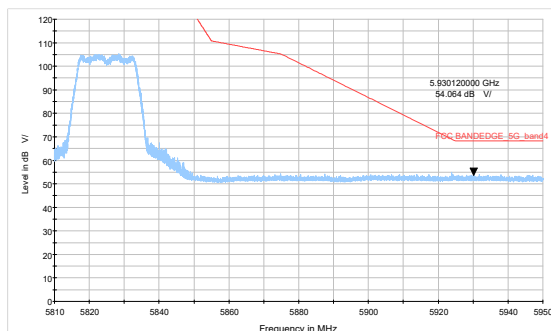


### U-NII-3

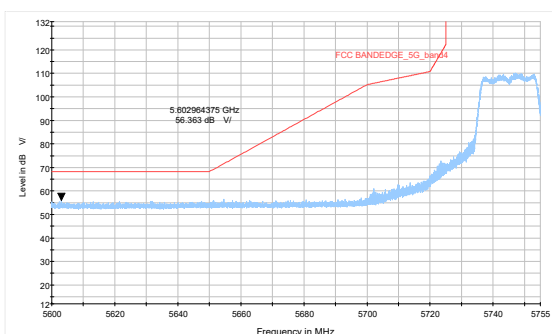
802.11a-Channel 149: Peak



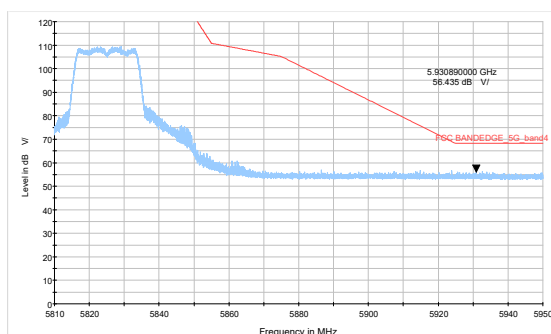
802.11a-Channel 165: Peak



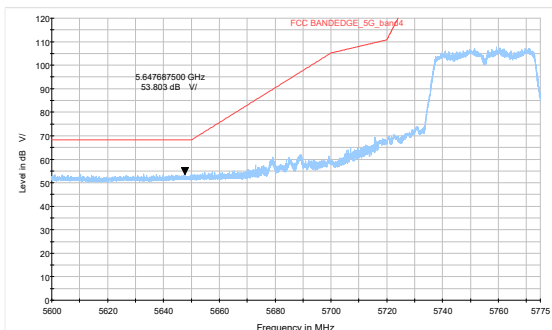
802.11n HT20-Channel 149: Peak



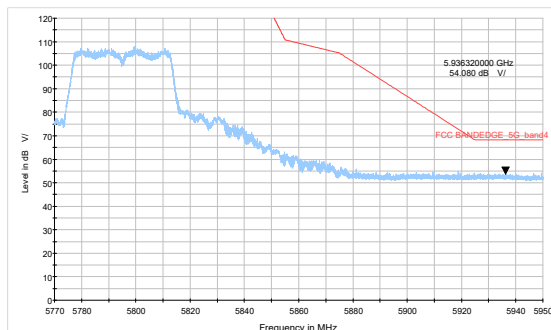
802.11n HT20-Channel 165: Peak



802.11n HT40-Channel 151: Peak

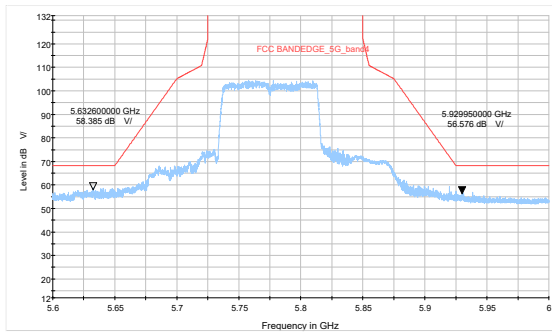


802.11n HT40-Channel 159: Peak

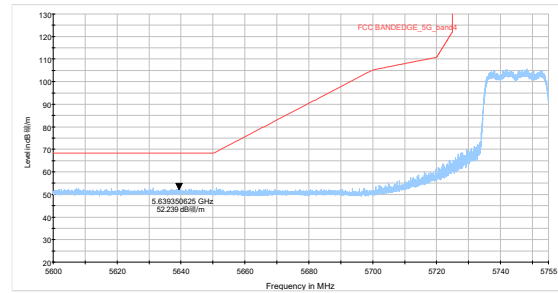




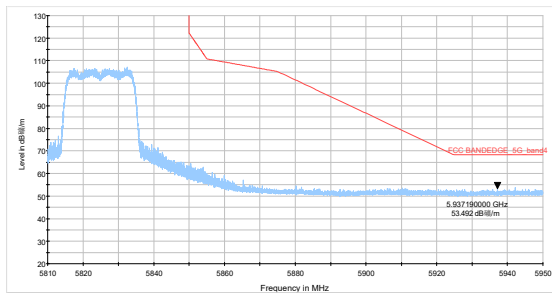
802.11ac VHT80- Channel 155: Peak



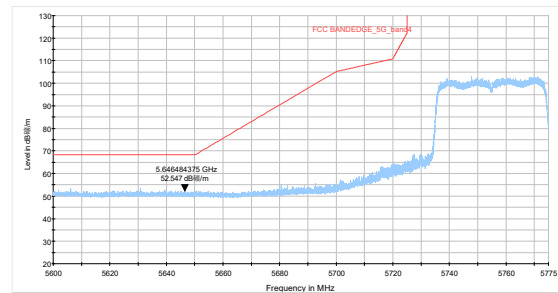
802.11ax HE20-Channel 149: Peak



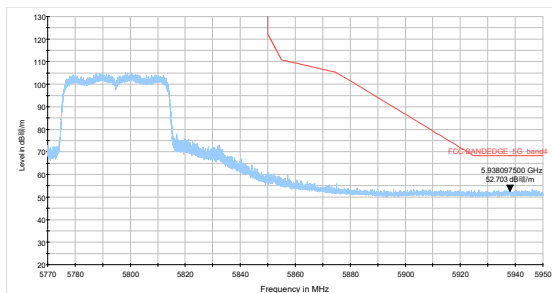
802.11ax HE20-Channel 165: Peak



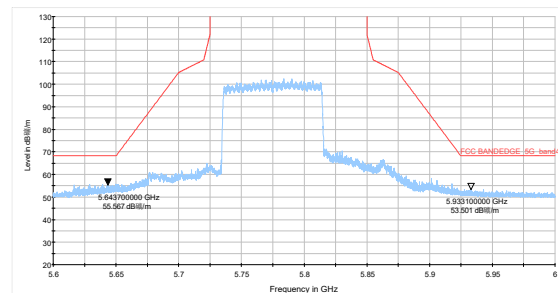
802.11ax HE40-Channel 151: Peak



802.11ax HE40-Channel 159: Peak

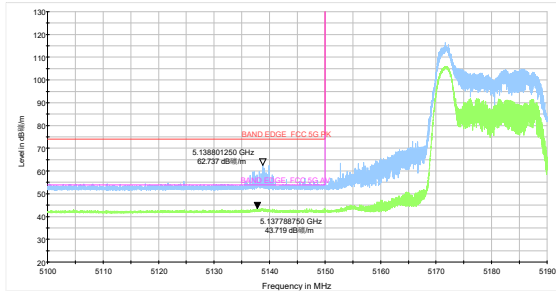


802.11ax HE80-Channel 155: Peak

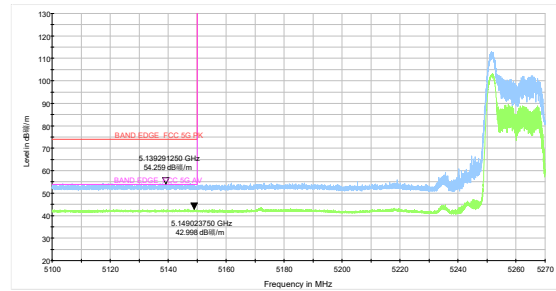


TB Mode

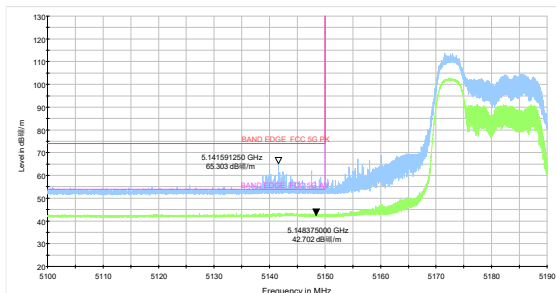
802.11ax HE20-Channel 36 26Tone: Peak + Average



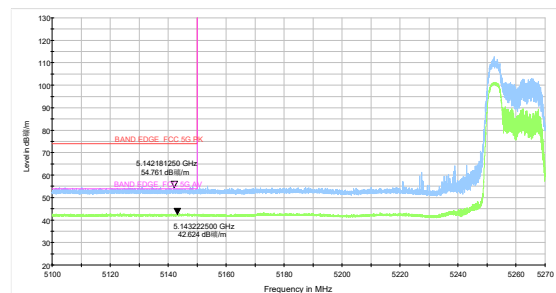
802.11ax HE20-Channel 52 26Tone: Peak + Average



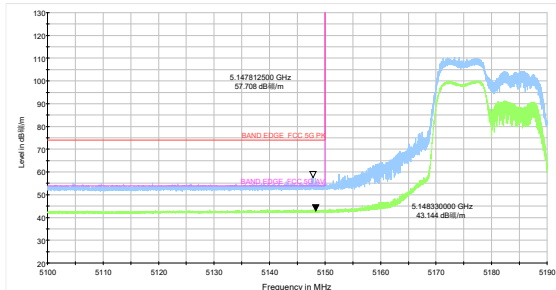
802.11ax HE20-Channel 36 52Tone: Peak + Average



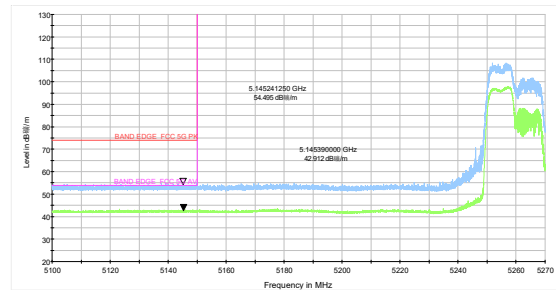
802.11ax HE20-Channel 52 52Tone: Peak + Average



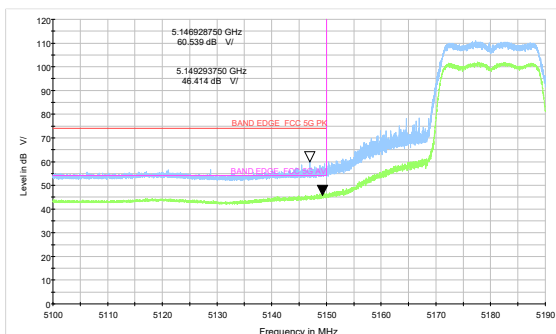
802.11ax HE20-Channel 36 106Tone: Peak + Average



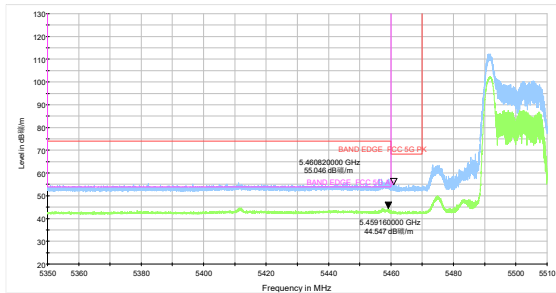
802.11ax HE20-Channel 52 106Tone: Peak + Average



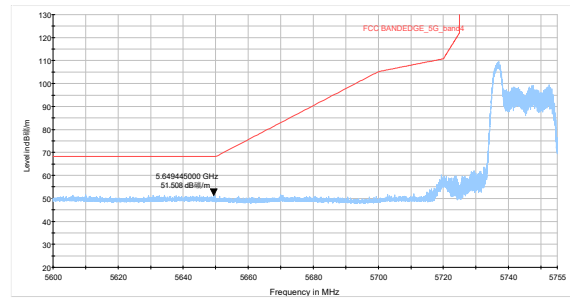
802.11ax HE20-Channel 36 242Tone: Peak + Average



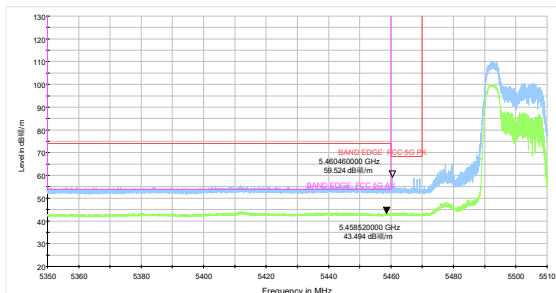
802.11ax HE20-Channel 100 26Tone: Peak + Average



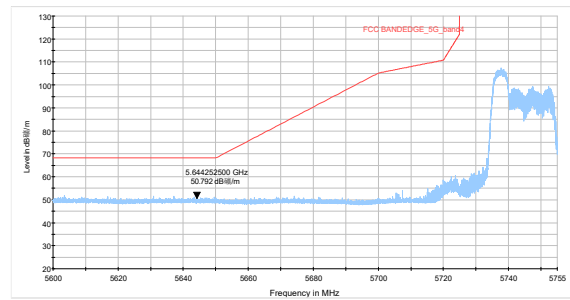
802.11ax HE20-Channel 149 26Tone: Peak



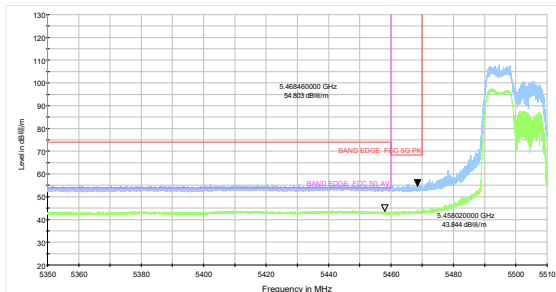
802.11ax HE20-Channel 100 52Tone: Peak + Average



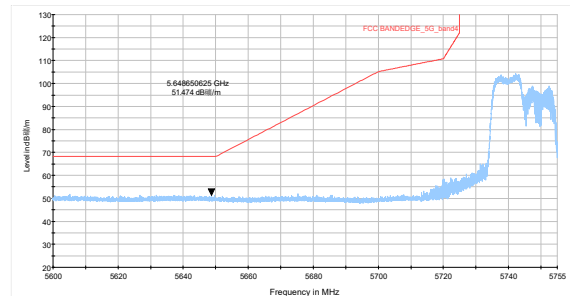
802.11ax HE20-Channel 149 52Tone: Peak



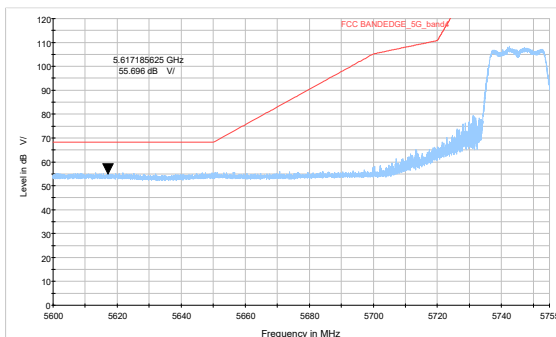
802.11ax HE20-Channel 100 106Tone: Peak + Average



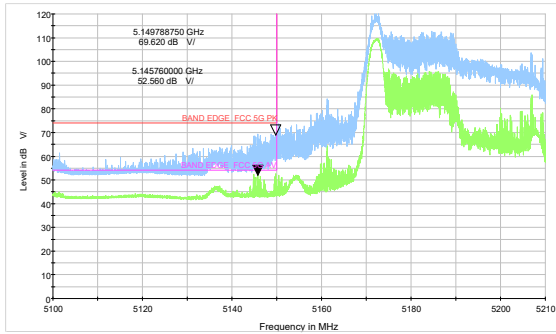
802.11ax HE20-Channel 149 106Tone: Peak



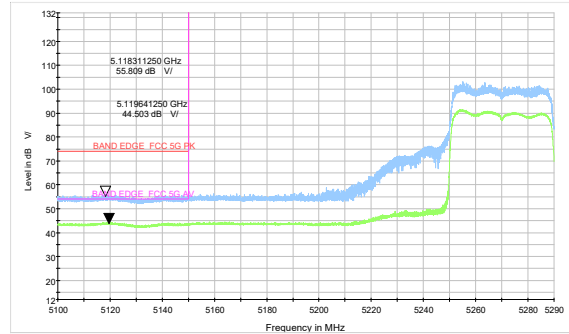
802.11ax HE20-Channel 149 242Tone: Peak



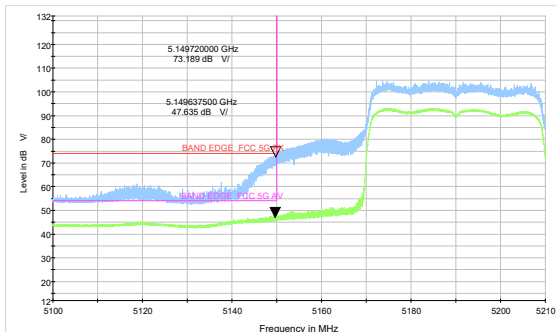
802.11ax HE40-Channel 38 26Tone: Peak + Average



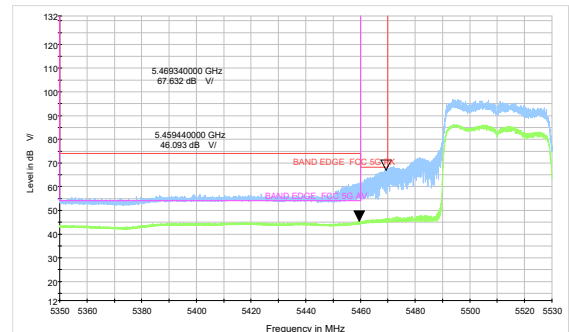
802.11ax HE40-Channel 54 484Tone: Peak + Average



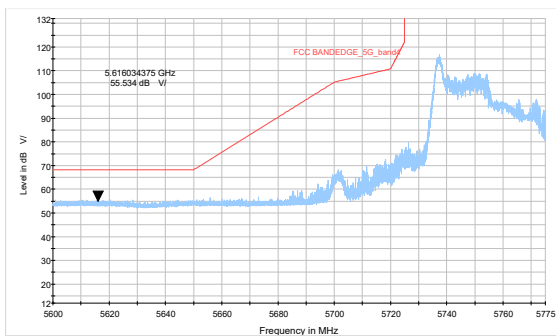
802.11ax HE40-Channel 38 484Tone: Peak + Average



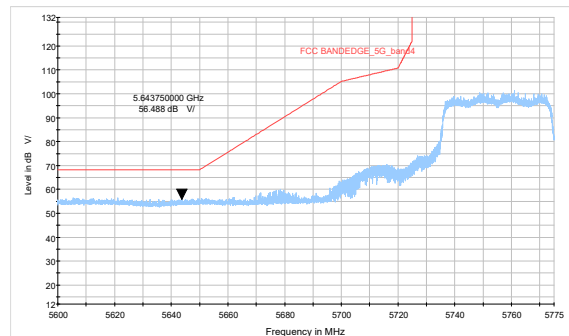
802.11ax HE40-Channel 102 484Tone: Peak + Average



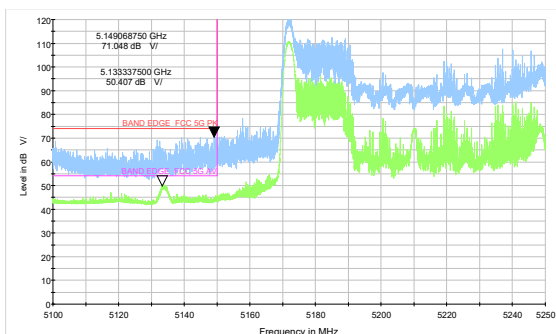
802.11ax HE40-Channel 151 26Tone: Peak



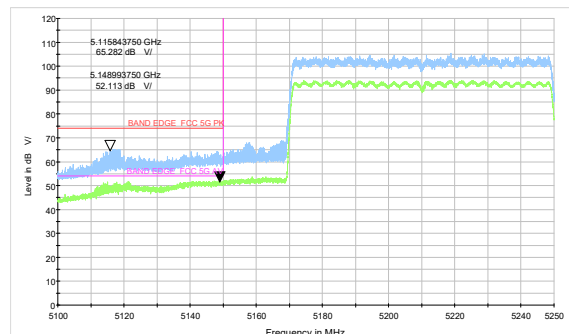
802.11ax HE40-Channel 151 484Tone: Peak



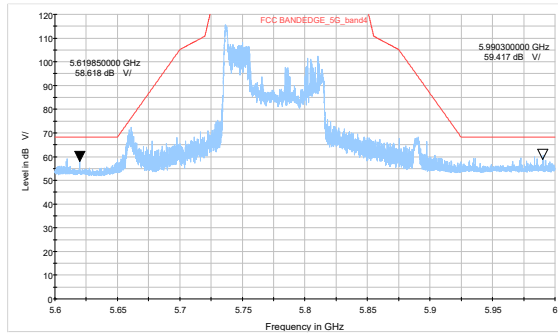
802.11ax HE80-Channel 42 26Tone: Peak + Average



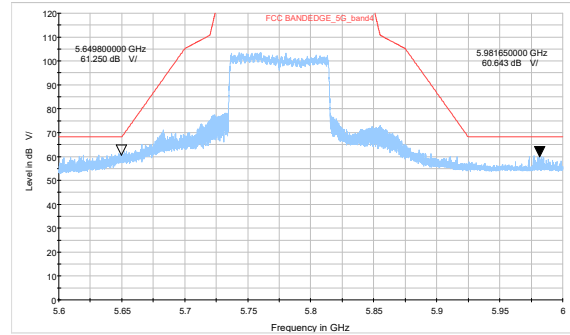
802.11ax HE80-Channel 42 996Tone: Peak + Average



802.11ax HE80-Channel 155 26Tone: Peak

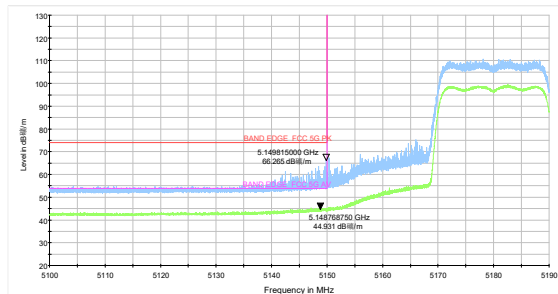


802.11ax HE80-Channel 155 996Tone: Peak

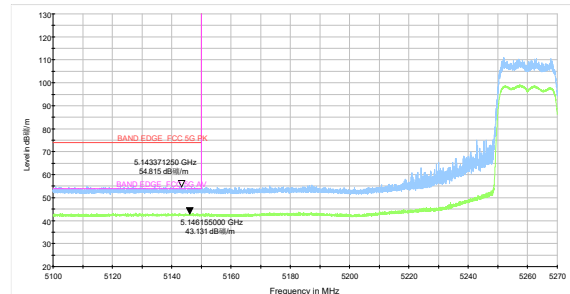


## ERSU Mode

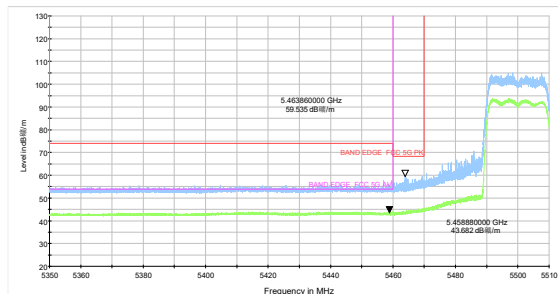
802.11ax HE20-Channel 36 Peak + Average



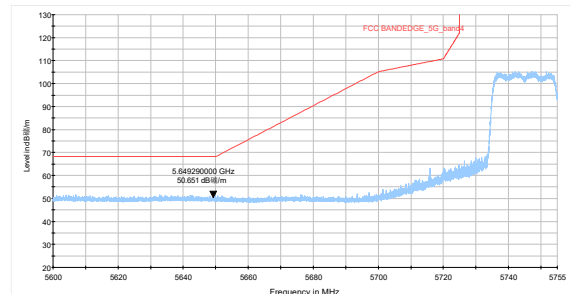
802.11ax HE20-Channel 52 Peak + Average



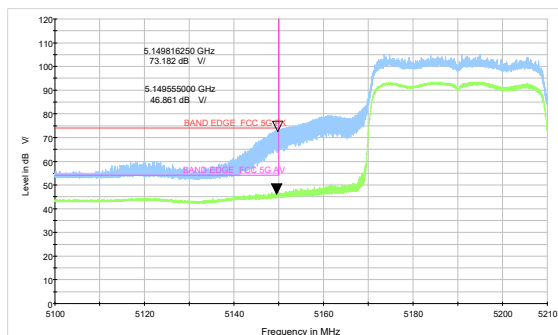
802.11ax HE20-Channel 100 Peak + Average



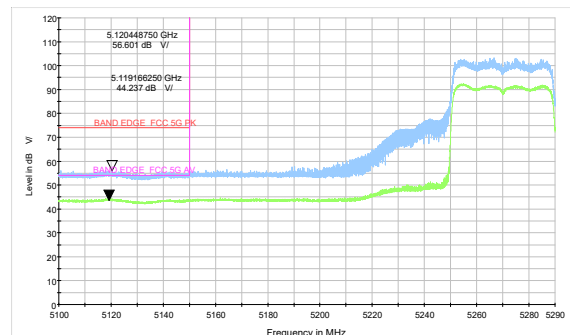
802.11ax HE20-Channel 149 Peak



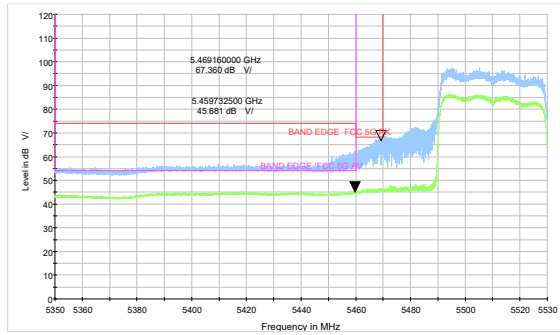
802.11ax HE40-Channel 38: Peak + Average



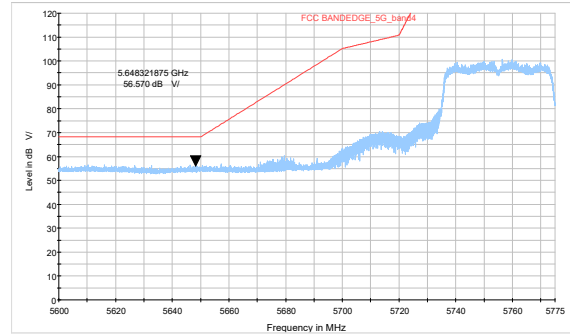
802.11ax HE40-Channel 54: Peak + Average



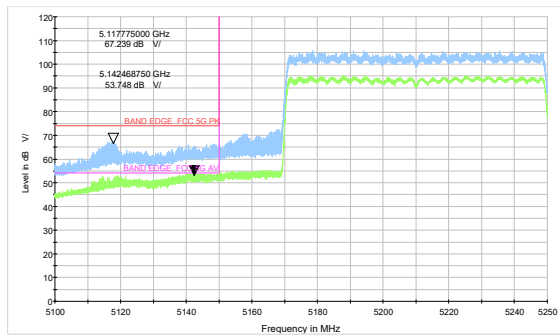
802.11ax HE40-Channel 102: Peak + Average



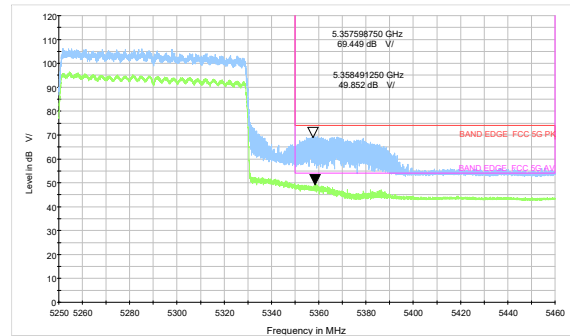
802.11ax HE40-Channel 151: Peak



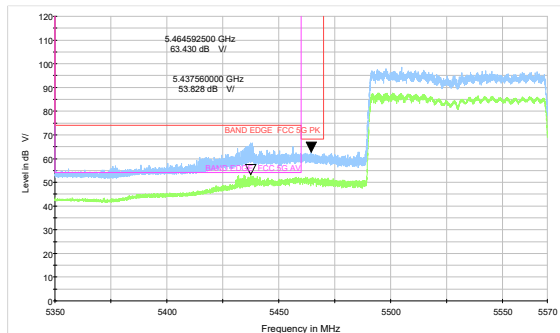
802.11ax HE80-Channel 42: Peak + Average



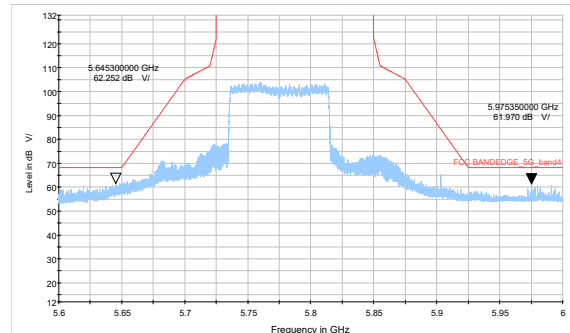
802.11ax HE80-Channel 58: Peak + Average



802.11ax HE80-Channel 106: Peak + Average



802.11ax HE80-Channel 155: Peak



## Result of RE

### Test result

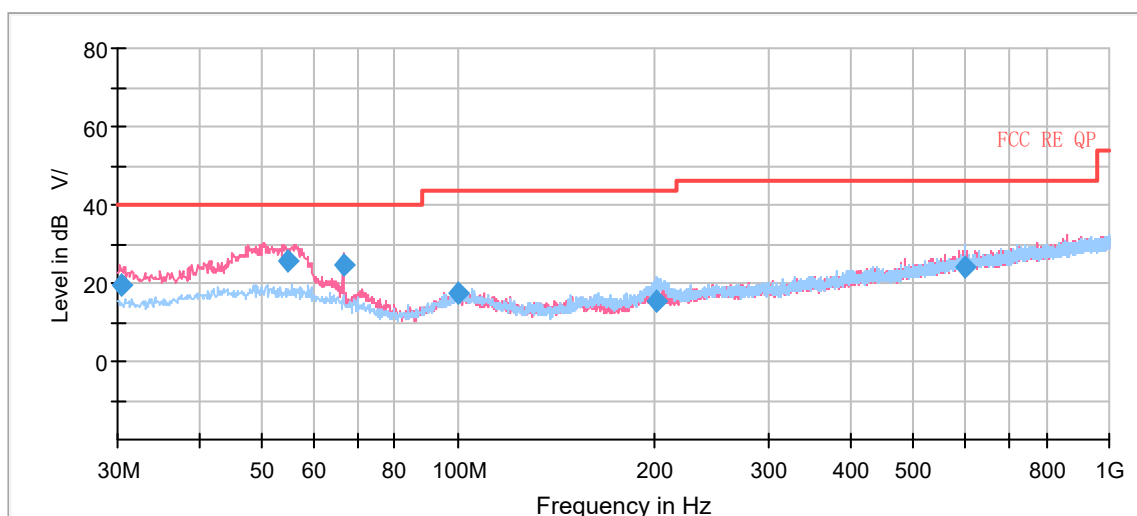
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz are more than 20dB below the limit are not reported.

A symbol ( $\text{dB } \mu\text{V/m}$ ) in the test plot below means ( $\text{dB}\mu\text{V/m}$ )

A symbol ( $\text{dB } \mu\text{V/m}$ ) in the test plot below means ( $\text{dB}\mu\text{V/m}$ )

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11ax HE80, Channel 42 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

### Continuous TX mode:



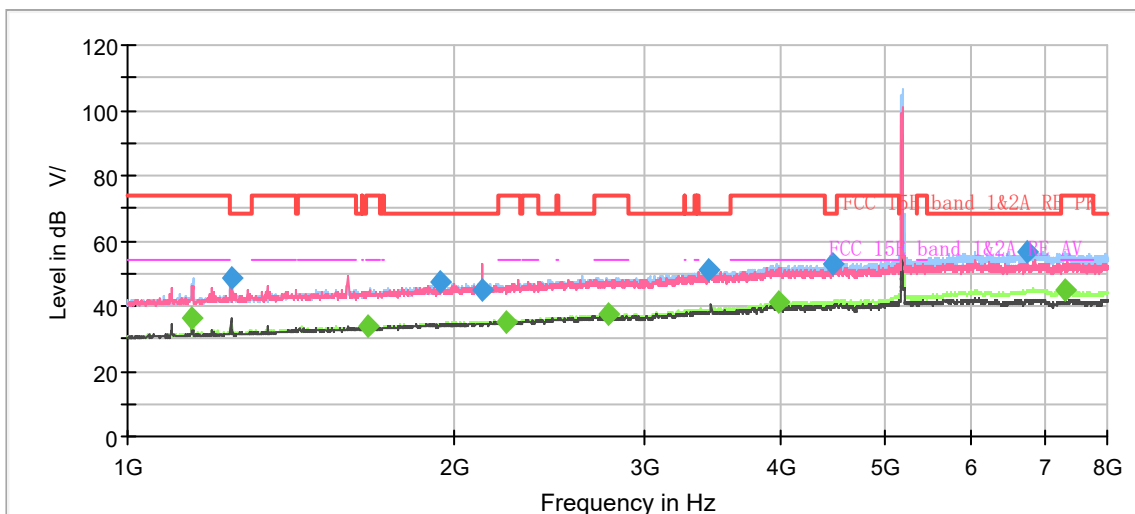
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak ( $\text{dB}\mu\text{V/m}$ ) | Limit ( $\text{dB}\mu\text{V/m}$ ) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|-----------------------------------------|------------------------------------|-------------|-------------|--------------|---------------|---------------------|
| 30.328750       | 19.69                                   | 40.00                              | 20.31       | 100.0       | V            | 146.0         | 17.0                |
| 54.607500       | 25.68                                   | 40.00                              | 14.32       | 100.0       | V            | 40.0          | 20.1                |
| 66.657500       | 24.76                                   | 40.00                              | 15.24       | 100.0       | V            | 0.0           | 17.4                |
| 100.088750      | 17.22                                   | 43.50                              | 26.28       | 225.0       | H            | 187.0         | 18.8                |
| 202.331250      | 15.30                                   | 43.50                              | 28.20       | 175.0       | H            | 62.0          | 17.8                |
| 600.037500      | 24.18                                   | 46.00                              | 21.82       | 100.0       | H            | 142.0         | 27.0                |

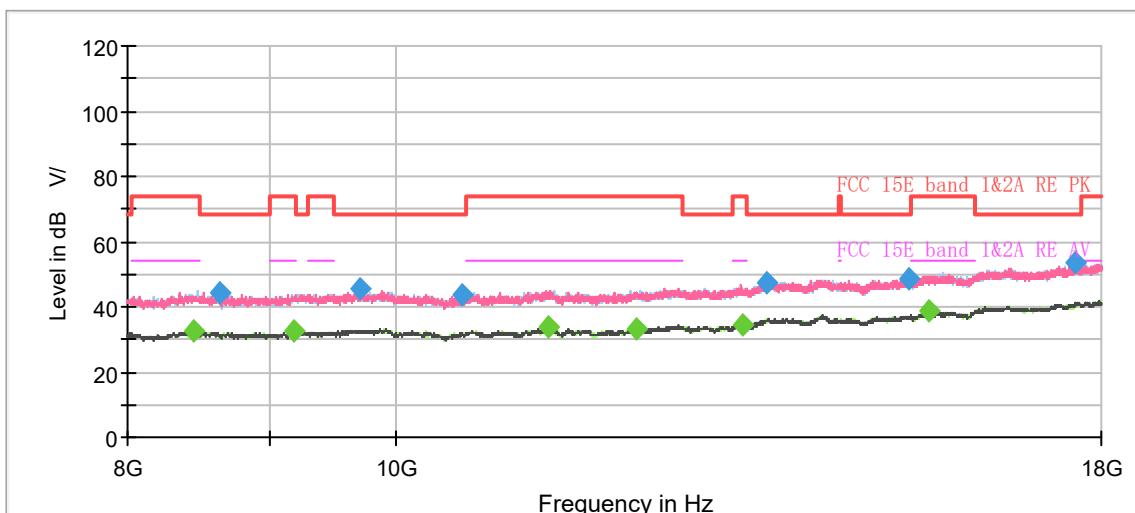
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

802.11a CH36



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

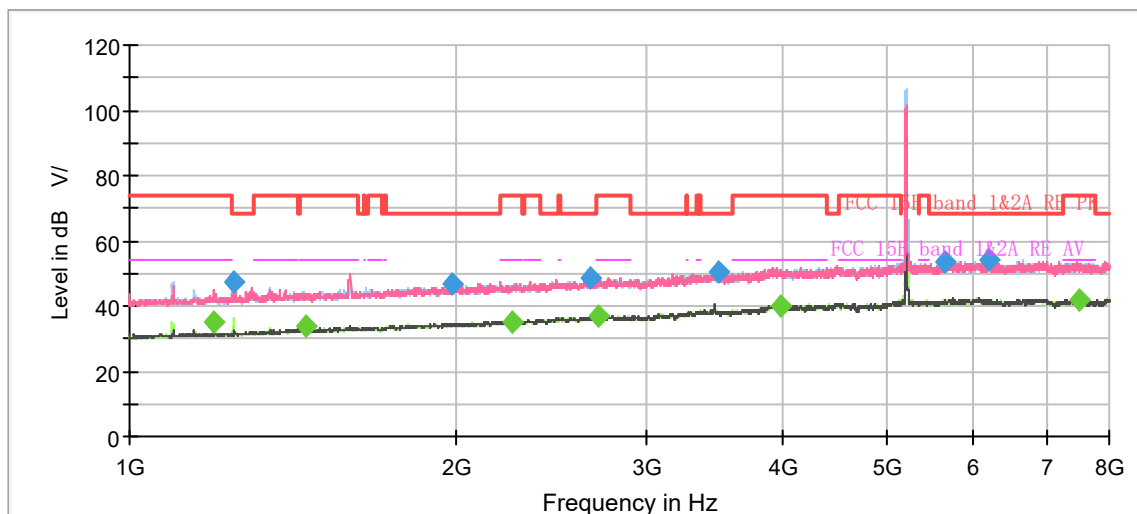


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1146.125000     | ---                    | 36.37                  | 54.00                | 17.63       | 500.0           | 200.0       | H   | 260.0         | -8.1         |
| 1245.000000     | 48.77                  | ---                    | 68.20                | 19.43       | 500.0           | 200.0       | V   | 28.0          | -7.5         |
| 1663.250000     | ---                    | 33.66                  | 54.00                | 20.34       | 500.0           | 200.0       | H   | 184.0         | -5.1         |
| 1940.625000     | 47.57                  | ---                    | 68.20                | 20.63       | 500.0           | 100.0       | V   | 312.0         | -3.7         |
| 2125.250000     | 45.02                  | ---                    | 68.20                | 23.18       | 500.0           | 200.0       | H   | 330.0         | -2.9         |
| 2238.125000     | ---                    | 34.92                  | 54.00                | 19.08       | 500.0           | 100.0       | H   | 50.0          | -2.4         |
| 2775.375000     | ---                    | 37.37                  | 54.00                | 16.63       | 500.0           | 100.0       | H   | 140.0         | 0.0          |
| 3425.500000     | 51.07                  | ---                    | 68.20                | 17.13       | 500.0           | 200.0       | H   | 174.0         | 2.3          |
| 3989.000000     | ---                    | 41.49                  | 54.00                | 12.51       | 500.0           | 100.0       | H   | 18.0          | 4.5          |
| 4462.375000     | 53.22                  | ---                    | 68.20                | 14.98       | 500.0           | 100.0       | H   | 140.0         | 5.4          |
| 6755.750000     | 56.83                  | ---                    | 68.20                | 11.37       | 500.0           | 100.0       | H   | 8.0           | 8.6          |
| 7305.250000     | ---                    | 45.20                  | 54.00                | 8.80        | 500.0           | 100.0       | H   | 74.0          | 9.3          |

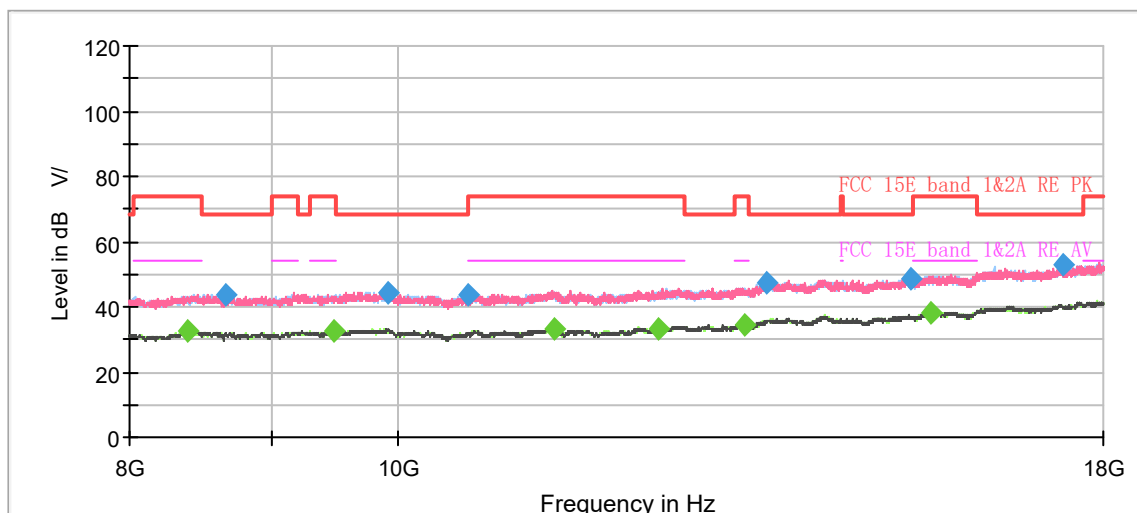
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11a CH40



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



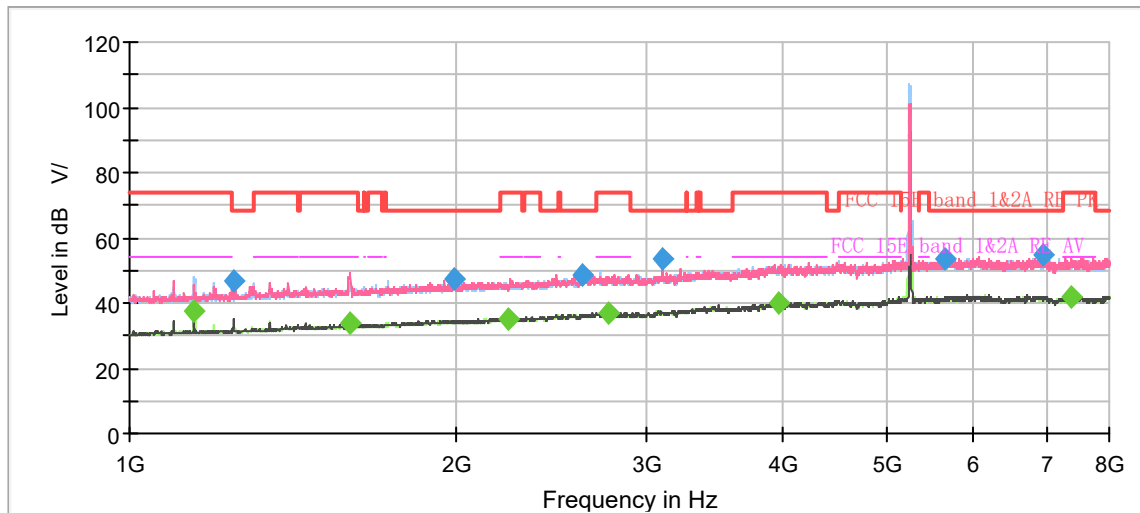
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1196.000000     | ---                    | 35.22                  | 54.00                | 18.78       | 500.0           | 100.0       | H   | 51.0          | -7.8         |
| 1247.625000     | 47.60                  | ---                    | 68.20                | 20.60       | 500.0           | 100.0       | H   | 125.0         | -7.5         |
| 1451.500000     | ---                    | 33.87                  | 54.00                | 20.13       | 500.0           | 200.0       | V   | 20.0          | -6.2         |
| 1986.125000     | 46.66                  | ---                    | 68.20                | 21.54       | 500.0           | 200.0       | H   | 222.0         | -3.5         |
| 2255.625000     | ---                    | 34.90                  | 54.00                | 19.10       | 500.0           | 200.0       | V   | 64.0          | -2.3         |
| 2664.250000     | 48.65                  | ---                    | 68.20                | 19.55       | 500.0           | 200.0       | H   | 132.0         | -0.3         |
| 2699.250000     | ---                    | 36.93                  | 54.00                | 17.07       | 500.0           | 200.0       | V   | 0.0           | -0.1         |
| 3486.750000     | 50.40                  | ---                    | 68.20                | 17.80       | 500.0           | 100.0       | V   | 171.0         | 2.5          |
| 3977.625000     | ---                    | 40.13                  | 54.00                | 13.87       | 500.0           | 200.0       | V   | 5.0           | 4.5          |
| 5654.125000     | 53.53                  | ---                    | 68.20                | 14.67       | 500.0           | 200.0       | V   | 114.0         | 8.1          |
| 6201.000000     | 54.44                  | ---                    | 68.20                | 13.76       | 500.0           | 200.0       | V   | 83.0          | 8.1          |
| 7501.250000     | ---                    | 42.02                  | 54.00                | 11.98       | 500.0           | 200.0       | V   | 282.0         | 8.9          |

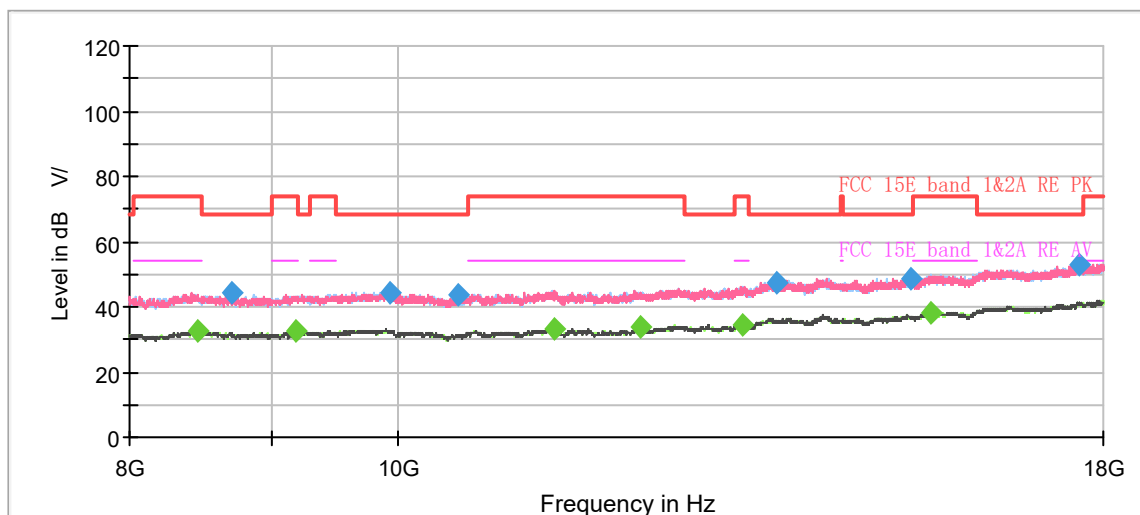
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11a CH48



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



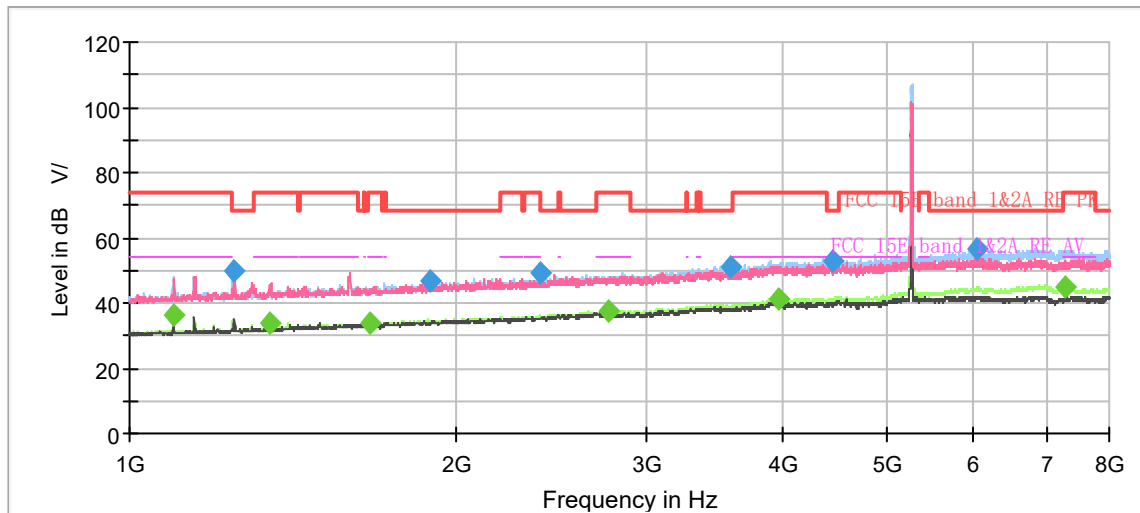
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1146.125000     | ---                    | 37.48                  | 54.00                | 16.52       | 500.0           | 200.0       | H   | 351.0         | -8.1         |
| 1245.875000     | 46.75                  | ---                    | 68.20                | 21.45       | 500.0           | 100.0       | V   | 12.0          | -7.5         |
| 1596.750000     | ---                    | 33.80                  | 54.00                | 20.20       | 500.0           | 200.0       | V   | 59.0          | -5.5         |
| 1991.375000     | 47.65                  | ---                    | 68.20                | 20.55       | 500.0           | 200.0       | V   | 99.0          | -3.5         |
| 2233.750000     | ---                    | 34.87                  | 54.00                | 19.13       | 500.0           | 200.0       | H   | 118.0         | -2.4         |
| 2617.875000     | 48.40                  | ---                    | 68.20                | 19.80       | 500.0           | 200.0       | H   | 326.0         | -0.6         |
| 2764.000000     | ---                    | 36.86                  | 54.00                | 17.14       | 500.0           | 100.0       | V   | 0.0           | -0.1         |
| 3103.500000     | 53.32                  | ---                    | 68.20                | 14.88       | 500.0           | 200.0       | V   | 171.0         | 0.9          |
| 3966.250000     | ---                    | 40.07                  | 54.00                | 13.93       | 500.0           | 200.0       | H   | 312.0         | 4.5          |
| 5655.000000     | 53.26                  | ---                    | 68.20                | 14.94       | 500.0           | 100.0       | V   | 318.0         | 8.1          |
| 6938.625000     | 54.54                  | ---                    | 68.20                | 13.66       | 500.0           | 200.0       | V   | 147.0         | 8.8          |
| 7393.625000     | ---                    | 41.88                  | 54.00                | 12.12       | 500.0           | 100.0       | V   | 238.0         | 9.3          |

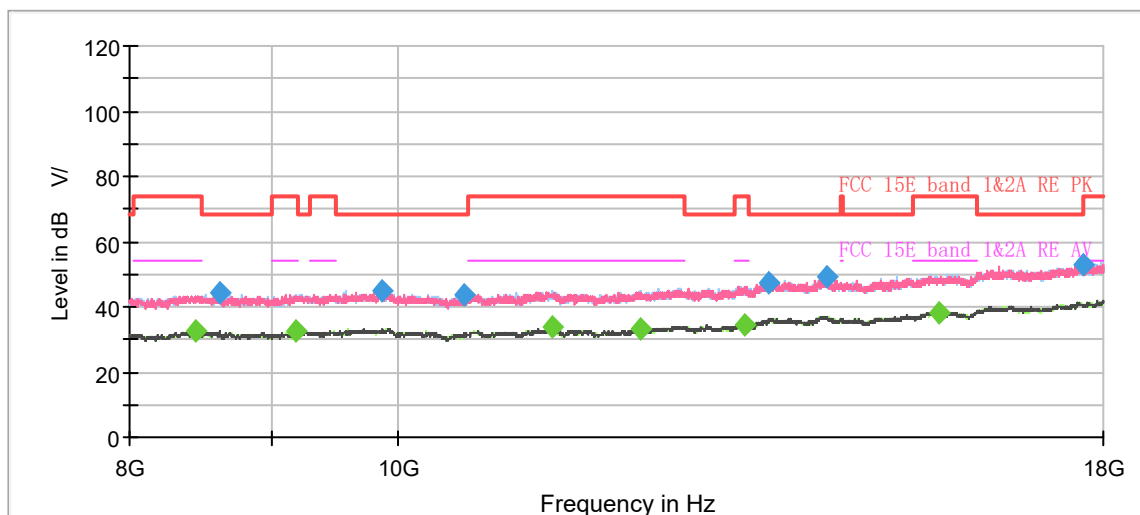
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11a CH52



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



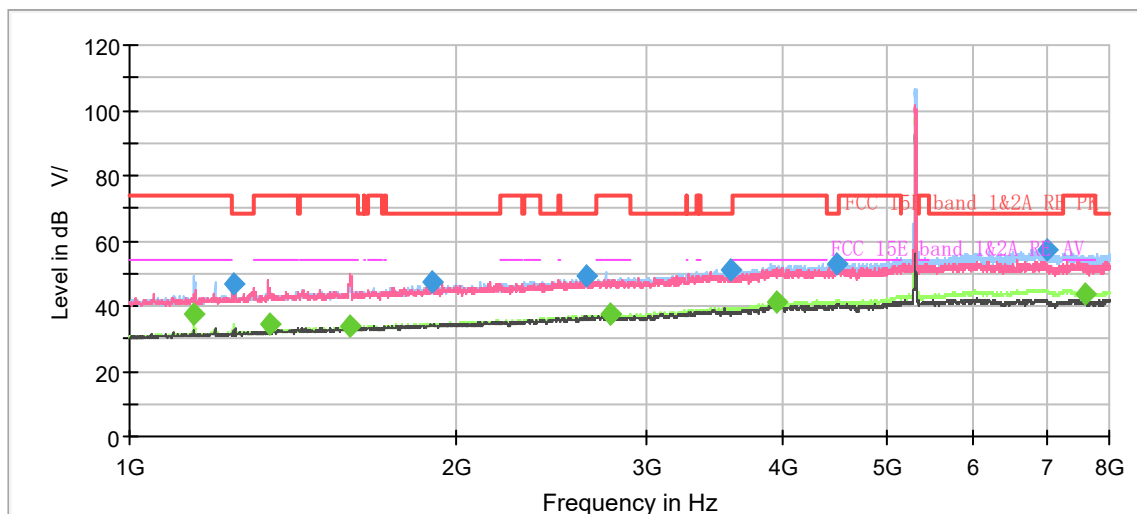
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1098.875000     | ---                    | 36.61                  | 54.00                | 17.39       | 500.0           | 200.0       | V   | 82.0          | -8.4         |
| 1249.375000     | 49.81                  | ---                    | 68.20                | 18.39       | 500.0           | 200.0       | V   | 17.0          | -7.4         |
| 1346.500000     | ---                    | 33.88                  | 54.00                | 20.12       | 500.0           | 200.0       | V   | 171.0         | -6.8         |
| 1665.875000     | ---                    | 33.95                  | 54.00                | 20.05       | 500.0           | 100.0       | H   | 68.0          | -5.1         |
| 1894.250000     | 46.87                  | ---                    | 68.20                | 21.33       | 500.0           | 100.0       | V   | 222.0         | -4.0         |
| 2392.125000     | 49.52                  | ---                    | 68.20                | 18.68       | 500.0           | 100.0       | V   | 314.0         | -1.8         |
| 2762.250000     | ---                    | 37.41                  | 54.00                | 16.59       | 500.0           | 200.0       | H   | 220.0         | -0.1         |
| 3580.375000     | 50.93                  | ---                    | 68.20                | 17.27       | 500.0           | 100.0       | H   | 14.0          | 2.7          |
| 3966.250000     | ---                    | 41.19                  | 54.00                | 12.81       | 500.0           | 200.0       | H   | 134.0         | 4.5          |
| 4444.000000     | 52.97                  | ---                    | 68.20                | 15.23       | 500.0           | 200.0       | H   | 191.0         | 5.3          |
| 6049.625000     | 56.87                  | ---                    | 68.20                | 11.33       | 500.0           | 200.0       | H   | 230.0         | 8.1          |
| 7283.375000     | ---                    | 45.16                  | 54.00                | 8.84        | 500.0           | 100.0       | H   | 161.0         | 9.3          |

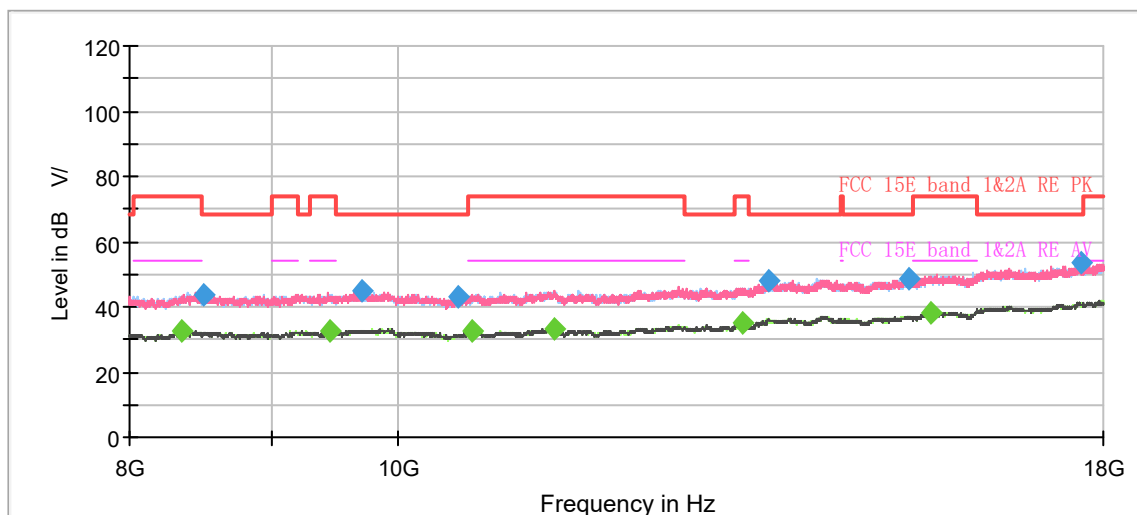
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11a CH60



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

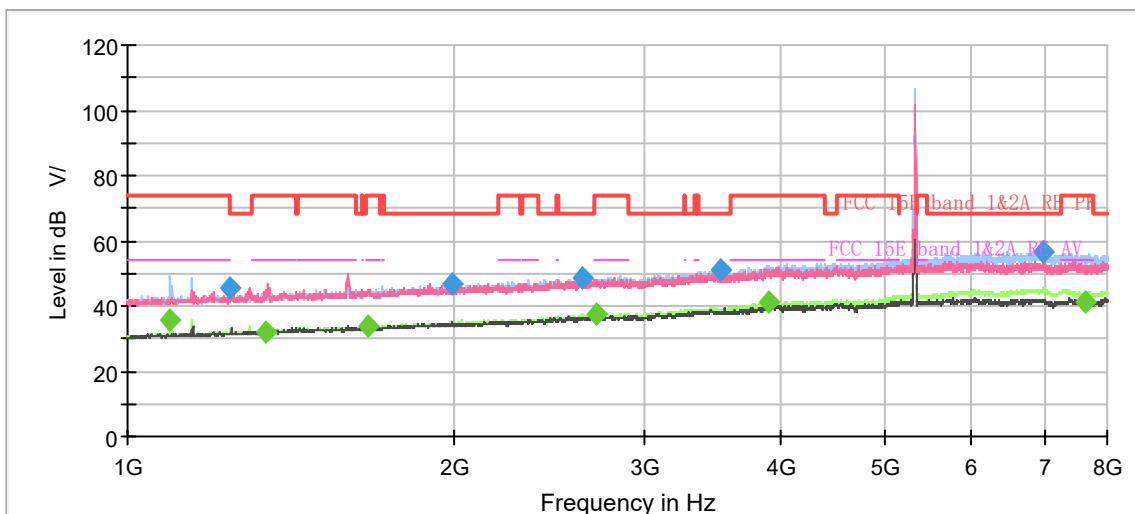


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1146.125000     | ---                    | 37.35                  | 54.00                | 16.65       | 500.0           | 200.0       | H   | 0.0           | -8.1         |
| 1246.750000     | 47.02                  | ---                    | 68.20                | 21.18       | 500.0           | 100.0       | H   | 34.0          | -7.5         |
| 1347.375000     | ---                    | 34.20                  | 54.00                | 19.80       | 500.0           | 100.0       | H   | 20.0          | -6.8         |
| 1595.000000     | ---                    | 33.77                  | 54.00                | 20.23       | 500.0           | 200.0       | V   | 64.0          | -5.5         |
| 1902.125000     | 47.39                  | ---                    | 68.20                | 20.81       | 500.0           | 100.0       | V   | 321.0         | -3.9         |
| 2638.875000     | 49.08                  | ---                    | 68.20                | 19.12       | 500.0           | 200.0       | H   | 303.0         | -0.5         |
| 2773.625000     | ---                    | 37.26                  | 54.00                | 16.74       | 500.0           | 200.0       | H   | 110.0         | 0.0          |
| 3583.875000     | 51.13                  | ---                    | 68.20                | 17.07       | 500.0           | 100.0       | H   | 191.0         | 2.7          |
| 3955.750000     | ---                    | 41.16                  | 54.00                | 12.84       | 500.0           | 100.0       | H   | 34.0          | 4.4          |
| 4483.375000     | 53.08                  | ---                    | 68.20                | 15.12       | 500.0           | 100.0       | H   | 9.0           | 5.5          |
| 6999.000000     | 57.20                  | ---                    | 68.20                | 11.00       | 500.0           | 200.0       | H   | 342.0         | 8.8          |
| 7589.625000     | ---                    | 43.75                  | 54.00                | 10.25       | 500.0           | 100.0       | H   | 9.0           | 8.8          |

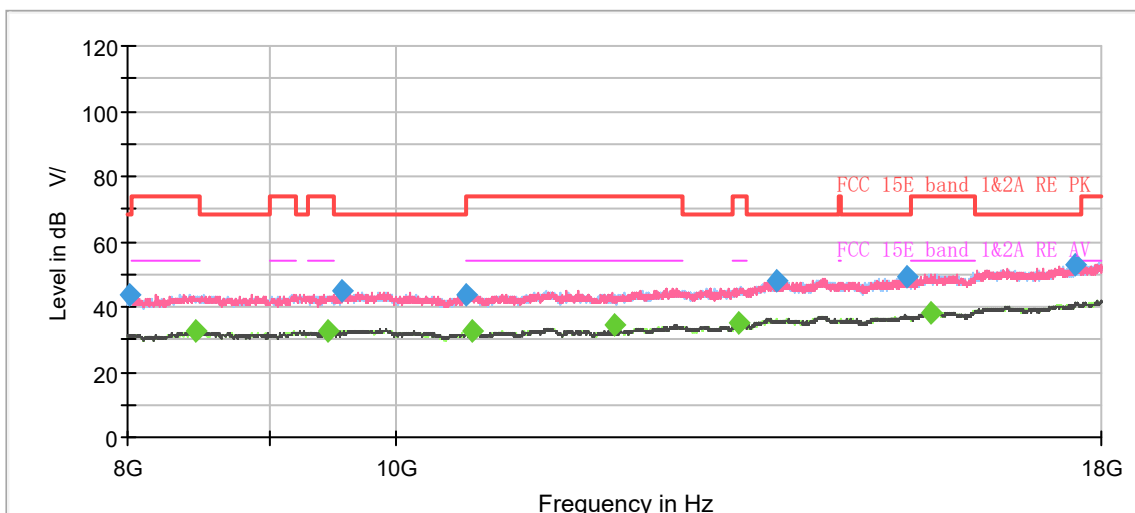
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11a CH64



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



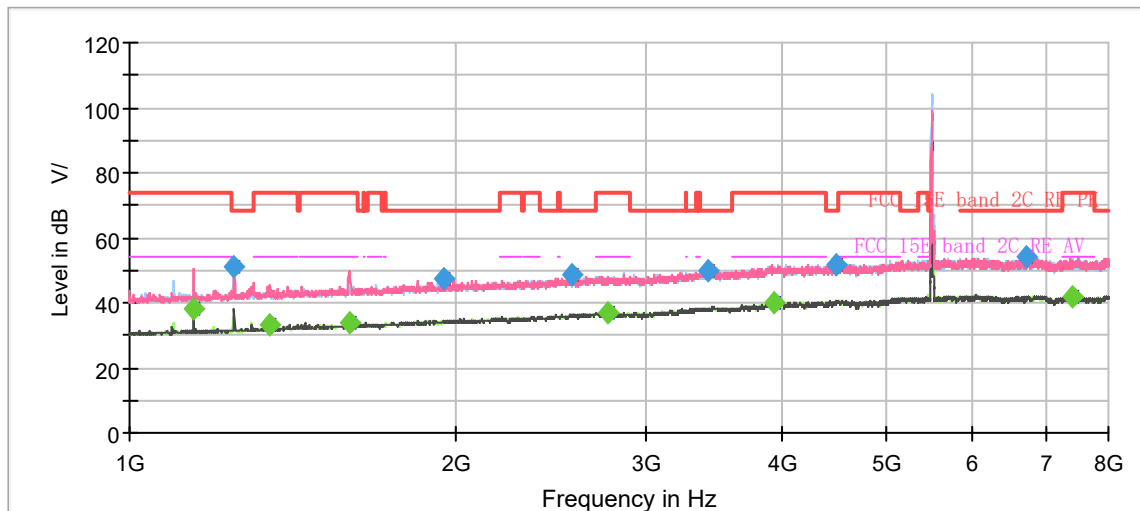
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1095.375000     | ---                    | 35.96                  | 54.00                | 18.04       | 500.0           | 200.0       | H   | 150.0         | -8.4         |
| 1244.125000     | 45.62                  | ---                    | 68.20                | 22.58       | 500.0           | 200.0       | H   | 198.0         | -7.5         |
| 1339.500000     | ---                    | 31.94                  | 54.00                | 22.06       | 500.0           | 200.0       | H   | 186.0         | -6.9         |
| 1666.750000     | ---                    | 33.72                  | 54.00                | 20.28       | 500.0           | 100.0       | H   | 177.0         | -5.1         |
| 1993.125000     | 46.84                  | ---                    | 68.20                | 21.36       | 500.0           | 100.0       | V   | 231.0         | -3.5         |
| 2623.125000     | 48.92                  | ---                    | 68.20                | 19.28       | 500.0           | 200.0       | H   | 126.0         | -0.6         |
| 2703.625000     | ---                    | 37.36                  | 54.00                | 16.64       | 500.0           | 200.0       | H   | 231.0         | -0.1         |
| 3516.500000     | 50.89                  | ---                    | 68.20                | 17.31       | 500.0           | 100.0       | H   | 11.0          | 2.6          |
| 3899.750000     | ---                    | 41.36                  | 54.00                | 12.64       | 500.0           | 200.0       | H   | 236.0         | 4.3          |
| 6994.625000     | 56.90                  | ---                    | 68.20                | 11.30       | 500.0           | 100.0       | H   | 217.0         | 8.8          |
| 7629.875000     | ---                    | 41.06                  | 54.00                | 12.94       | 500.0           | 200.0       | V   | 53.0          | 8.9          |
| 17613.750000    | 52.63                  | ---                    | 68.20                | 15.57       | 500.0           | 100.0       | V   | 137.0         | 12.8         |

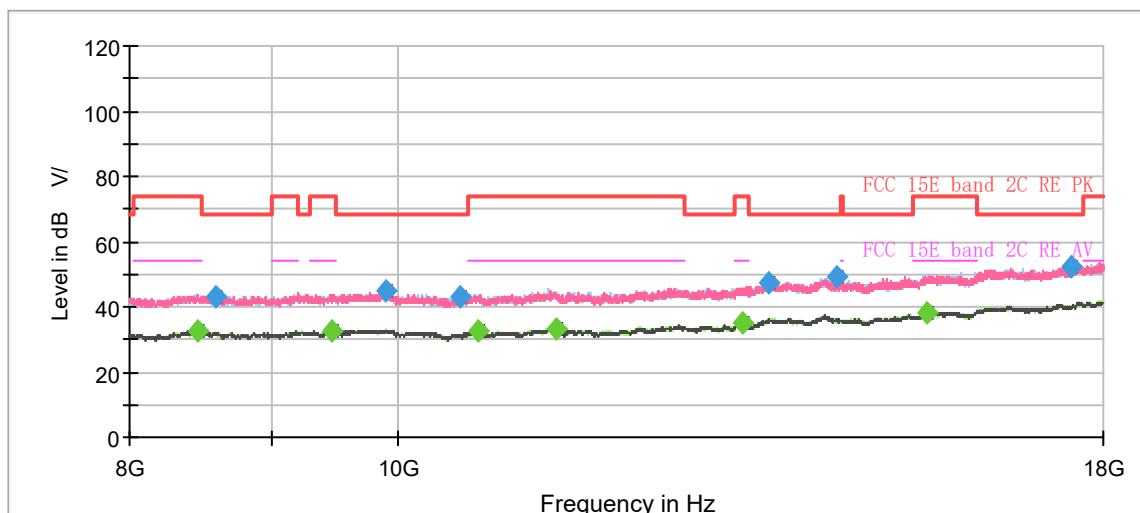
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11a CH100



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



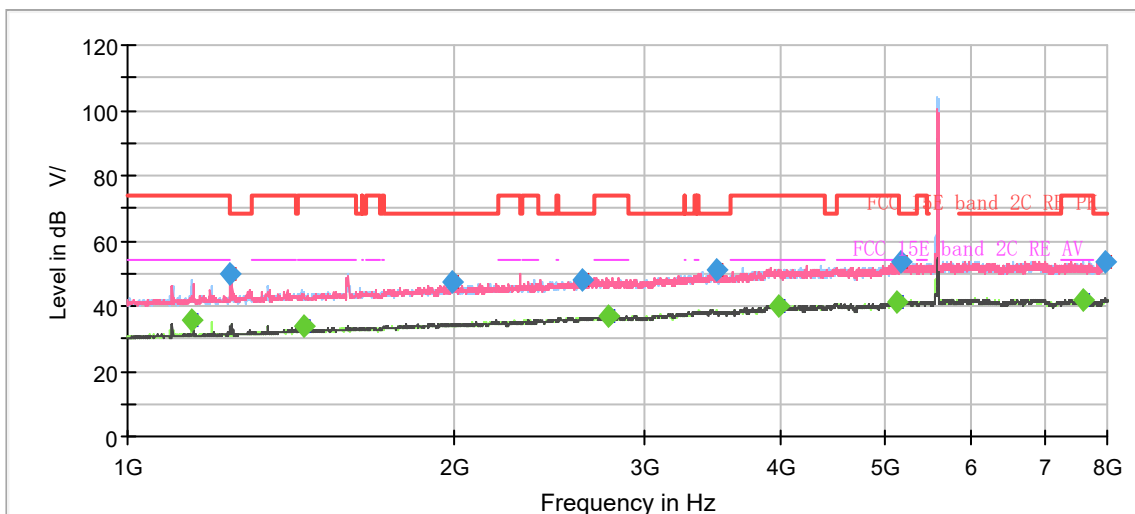
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1146.125000     | ---                    | 38.27                  | 54.00                | 15.73       | 500.0           | 200.0       | V   | 338.0         | -8.1         |
| 1249.375000     | 51.15                  | ---                    | 68.20                | 17.05       | 500.0           | 200.0       | V   | 38.0          | -7.4         |
| 1344.750000     | ---                    | 33.35                  | 54.00                | 20.65       | 500.0           | 100.0       | V   | 172.0         | -6.8         |
| 1594.125000     | ---                    | 33.86                  | 54.00                | 20.14       | 500.0           | 100.0       | V   | 6.0           | -5.5         |
| 1947.625000     | 47.13                  | ---                    | 68.20                | 21.07       | 500.0           | 100.0       | V   | 217.0         | -3.7         |
| 2558.375000     | 48.38                  | ---                    | 68.20                | 19.82       | 500.0           | 100.0       | H   | 93.0          | -0.9         |
| 2762.250000     | ---                    | 36.84                  | 54.00                | 17.16       | 500.0           | 200.0       | V   | 334.0         | -0.1         |
| 3415.875000     | 50.06                  | ---                    | 68.20                | 18.14       | 500.0           | 100.0       | H   | 0.0           | 2.2          |
| 3936.500000     | ---                    | 40.24                  | 54.00                | 13.76       | 500.0           | 200.0       | V   | 161.0         | 4.4          |
| 4477.250000     | 51.44                  | ---                    | 68.20                | 16.76       | 500.0           | 100.0       | V   | 206.0         | 5.4          |
| 6732.125000     | 53.96                  | ---                    | 68.20                | 14.24       | 500.0           | 100.0       | H   | 88.0          | 8.6          |
| 7416.375000     | ---                    | 41.84                  | 54.00                | 12.16       | 500.0           | 100.0       | V   | 338.0         | 9.2          |

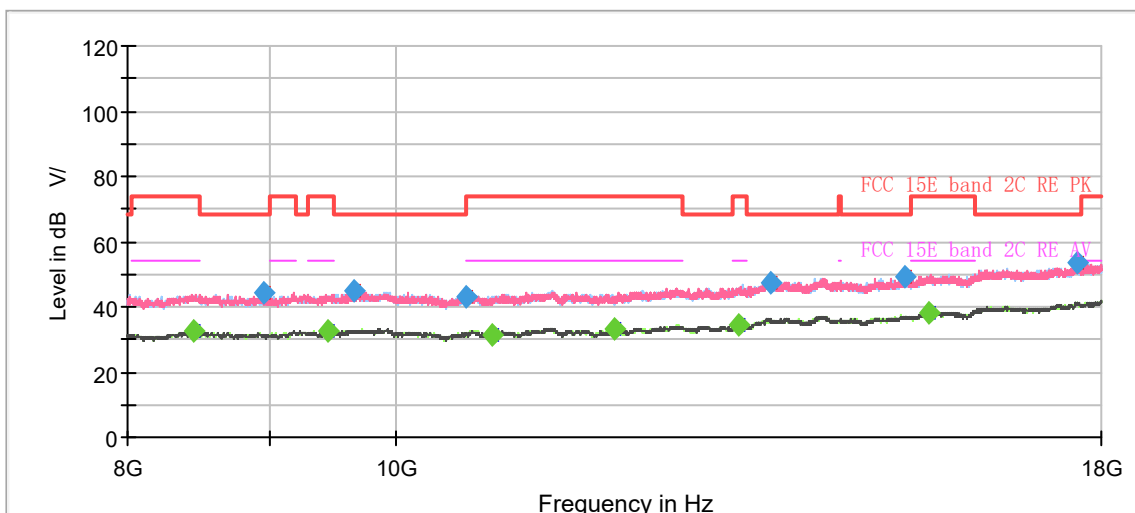
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11a CH116



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



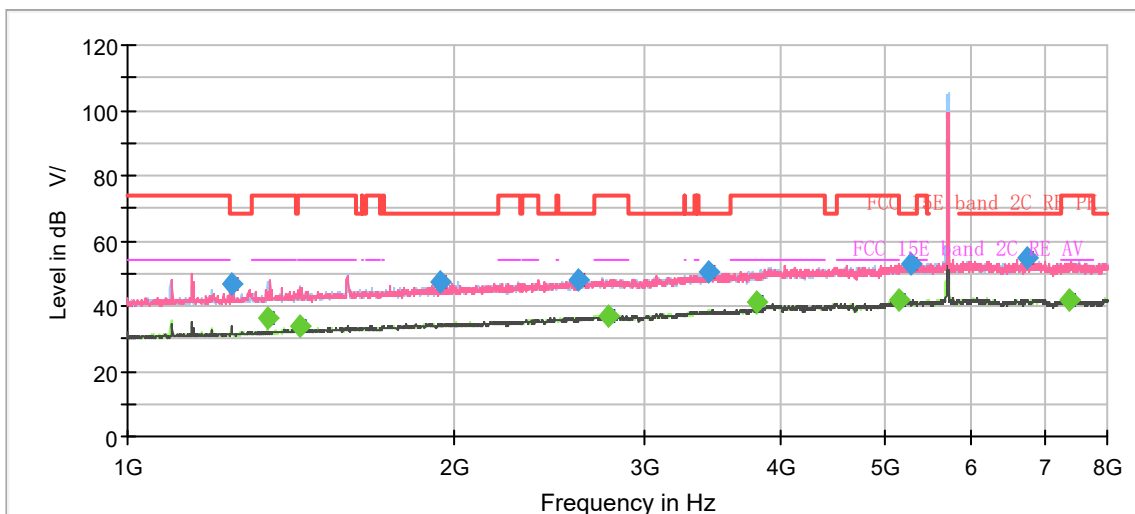
Radiates Emission from 8GHz to 18GHz

| Frequency<br>(MHz) | MaxPeak<br>(dB $\mu$ V/m) | Average<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) | Meas. Time<br>(ms) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------------|---------------------------|-------------------------|----------------|--------------------|----------------|-----|------------------|-----------------|
| 1145.250000        | ---                       | 35.63                     | 54.00                   | 18.37          | 500.0              | 100.0          | H   | 200.0            | -8.1            |
| 1244.125000        | 49.97                     | ---                       | 68.20                   | 18.23          | 500.0              | 200.0          | V   | 25.0             | -7.5            |
| 1451.500000        | ---                       | 34.03                     | 54.00                   | 19.97          | 500.0              | 200.0          | V   | 25.0             | -6.2            |
| 1991.375000        | 47.43                     | ---                       | 68.20                   | 20.77          | 500.0              | 100.0          | V   | 312.0            | -3.5            |
| 2625.750000        | 47.82                     | ---                       | 68.20                   | 20.38          | 500.0              | 200.0          | H   | 318.0            | -0.5            |
| 2778.000000        | ---                       | 37.01                     | 54.00                   | 16.99          | 500.0              | 200.0          | H   | 219.0            | 0.0             |
| 3489.375000        | 50.83                     | ---                       | 68.20                   | 17.37          | 500.0              | 200.0          | H   | 0.0              | 2.5             |
| 3979.375000        | ---                       | 40.12                     | 54.00                   | 13.88          | 500.0              | 200.0          | V   | 138.0            | 4.5             |
| 5119.500000        | ---                       | 41.54                     | 54.00                   | 12.46          | 500.0              | 200.0          | H   | 298.0            | 7.0             |
| 5155.375000        | 53.28                     | ---                       | 68.20                   | 14.92          | 500.0              | 100.0          | H   | 0.0              | 7.1             |
| 7608.875000        | ---                       | 41.69                     | 54.00                   | 12.31          | 500.0              | 200.0          | V   | 118.0            | 8.8             |
| 7961.500000        | 53.76                     | ---                       | 68.20                   | 14.44          | 500.0              | 100.0          | H   | 49.0             | 9.1             |

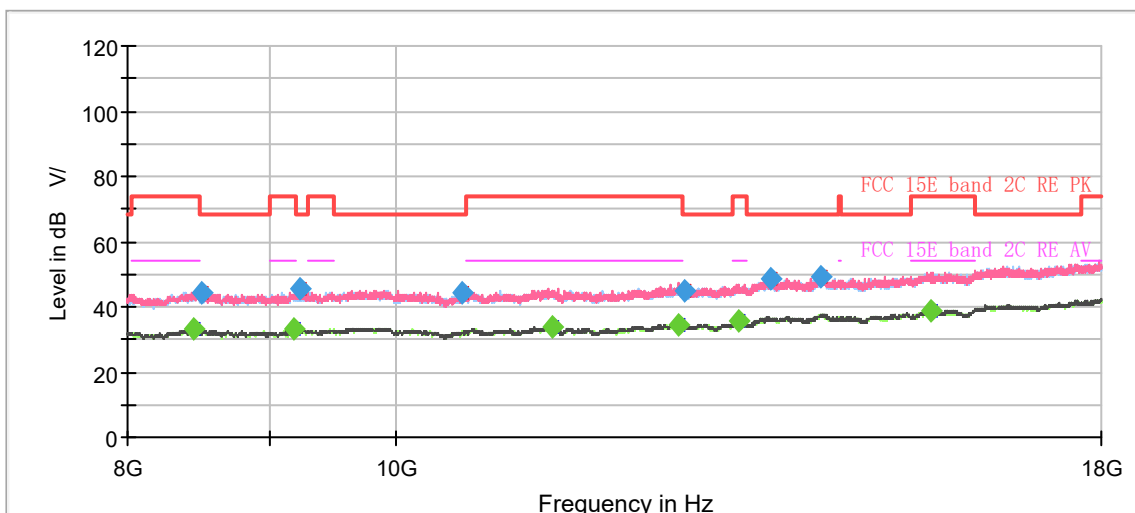
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11a CH140



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

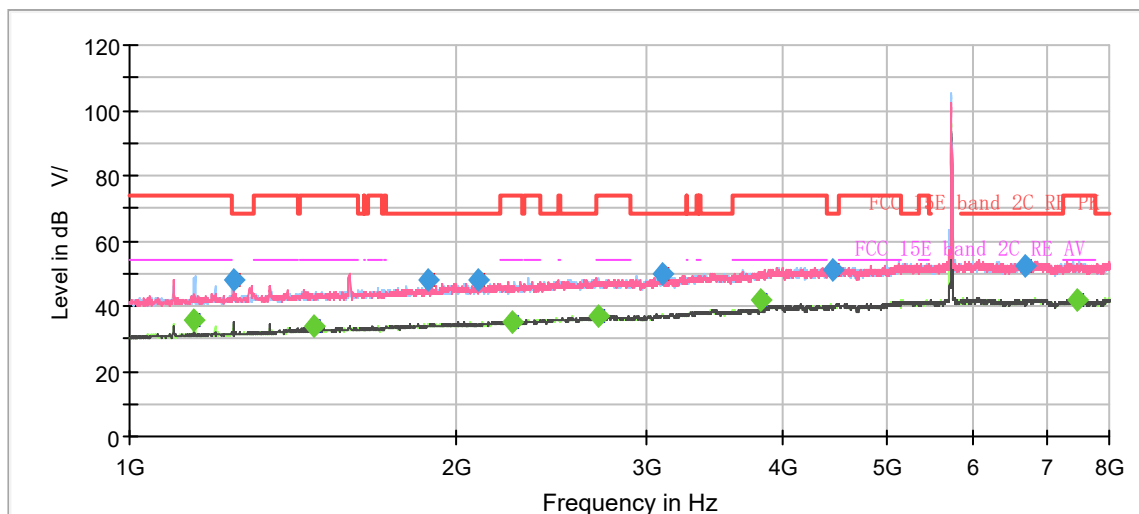


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1245.875000     | 46.92                  | ---                    | 68.20                | 21.28       | 500.0           | 200.0       | V   | 329.0         | -7.5         |
| 1347.375000     | ---                    | 36.20                  | 54.00                | 17.80       | 500.0           | 100.0       | H   | 48.0          | -6.8         |
| 1444.500000     | ---                    | 33.94                  | 54.00                | 20.06       | 500.0           | 200.0       | H   | 214.0         | -6.2         |
| 1942.375000     | 47.20                  | ---                    | 68.20                | 21.00       | 500.0           | 100.0       | V   | 219.0         | -3.7         |
| 2608.250000     | 48.21                  | ---                    | 68.20                | 19.99       | 500.0           | 100.0       | V   | 264.0         | -0.7         |
| 2769.250000     | ---                    | 36.90                  | 54.00                | 17.10       | 500.0           | 100.0       | H   | 34.0          | 0.0          |
| 3437.750000     | 50.33                  | ---                    | 68.20                | 17.87       | 500.0           | 200.0       | H   | 254.0         | 2.3          |
| 3800.000000     | ---                    | 41.12                  | 54.00                | 12.88       | 500.0           | 200.0       | V   | 334.0         | 3.7          |
| 5149.250000     | ---                    | 41.55                  | 54.00                | 12.45       | 500.0           | 200.0       | V   | 61.0          | 7.1          |
| 5277.875000     | 52.93                  | ---                    | 68.20                | 15.27       | 500.0           | 100.0       | V   | 155.0         | 7.5          |
| 6742.625000     | 54.80                  | ---                    | 68.20                | 13.40       | 500.0           | 100.0       | H   | 121.0         | 8.6          |
| 7384.875000     | ---                    | 41.94                  | 54.00                | 12.06       | 500.0           | 100.0       | H   | 253.0         | 9.3          |

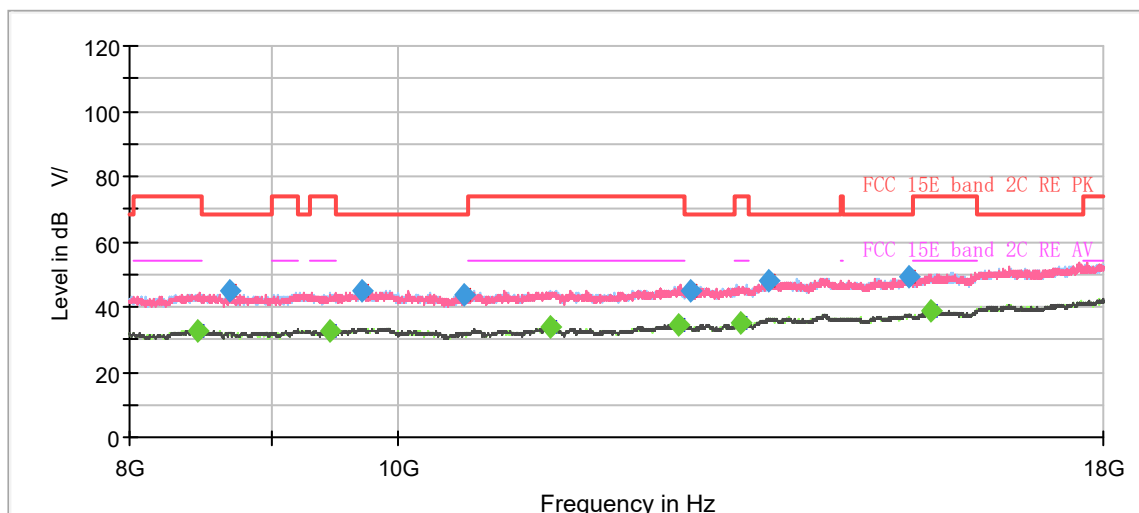
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH144



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



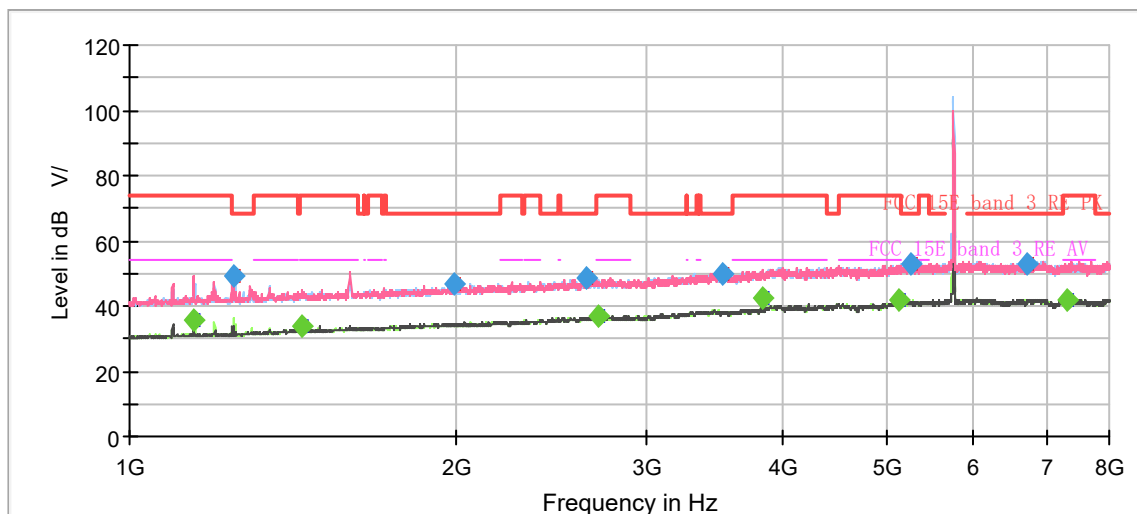
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1145.250000     | ---                    | 35.44                  | 54.00                | 18.56       | 500.0           | 100.0       | H   | 0.0           | -8.1         |
| 1247.625000     | 48.30                  | ---                    | 68.20                | 19.90       | 500.0           | 200.0       | H   | 331.0         | -7.5         |
| 1476.000000     | ---                    | 33.69                  | 54.00                | 20.31       | 500.0           | 200.0       | H   | 287.0         | -6.1         |
| 1888.125000     | 47.77                  | ---                    | 68.20                | 20.43       | 500.0           | 100.0       | V   | 342.0         | -4.0         |
| 2092.875000     | 48.22                  | ---                    | 68.20                | 19.98       | 500.0           | 100.0       | V   | 129.0         | -3.0         |
| 2248.625000     | ---                    | 34.94                  | 54.00                | 19.06       | 500.0           | 100.0       | H   | 38.0          | -2.4         |
| 2699.250000     | ---                    | 36.96                  | 54.00                | 17.04       | 500.0           | 200.0       | H   | 205.0         | -0.1         |
| 3098.250000     | 49.97                  | ---                    | 68.20                | 18.23       | 500.0           | 100.0       | V   | 337.0         | 0.9          |
| 3813.125000     | ---                    | 41.89                  | 54.00                | 12.11       | 500.0           | 200.0       | V   | 25.0          | 3.8          |
| 4442.250000     | 51.15                  | ---                    | 68.20                | 17.05       | 500.0           | 200.0       | V   | 257.0         | 5.3          |
| 6690.125000     | 52.40                  | ---                    | 68.20                | 15.80       | 500.0           | 100.0       | H   | 66.0          | 8.5          |
| 7465.375000     | ---                    | 41.88                  | 54.00                | 12.12       | 500.0           | 100.0       | H   | 118.0         | 9.0          |

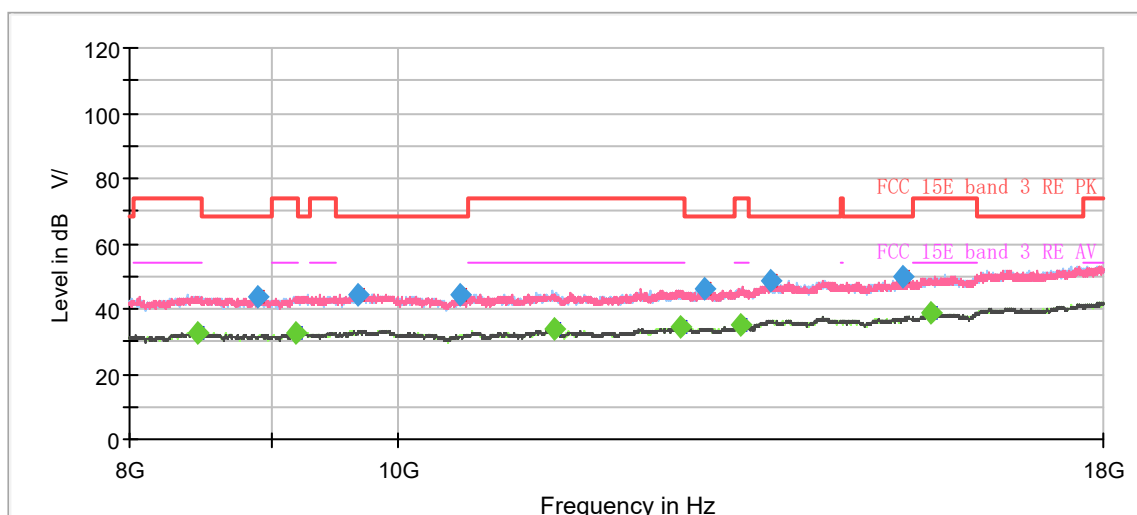
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11a CH149



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



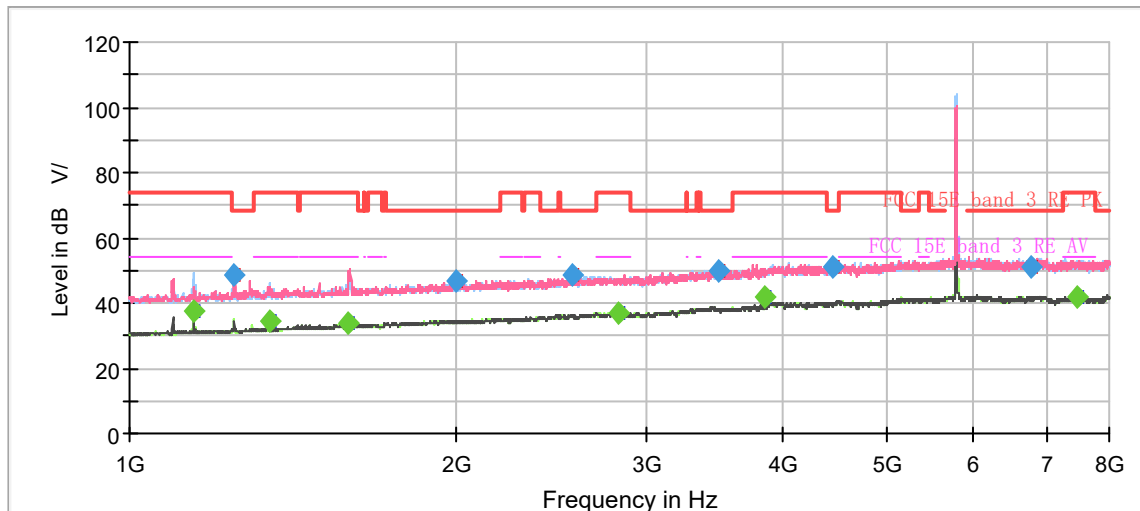
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1147.000000     | ---                    | 35.96                  | 54.00                | 18.04       | 500.0           | 200.0       | V   | 343.0         | -8.1         |
| 1246.750000     | 49.14                  | ---                    | 68.20                | 19.06       | 500.0           | 200.0       | H   | 209.0         | -7.5         |
| 1444.500000     | ---                    | 33.81                  | 54.00                | 20.19       | 500.0           | 200.0       | V   | 359.0         | -6.2         |
| 1991.375000     | 47.06                  | ---                    | 68.20                | 21.14       | 500.0           | 100.0       | V   | 223.0         | -3.5         |
| 2638.000000     | 48.52                  | ---                    | 68.20                | 19.68       | 500.0           | 200.0       | H   | 80.0          | -0.5         |
| 2700.125000     | ---                    | 36.82                  | 54.00                | 17.18       | 500.0           | 200.0       | V   | 142.0         | -0.1         |
| 3517.375000     | 49.80                  | ---                    | 68.20                | 18.40       | 500.0           | 100.0       | H   | 161.0         | 2.6          |
| 3829.750000     | ---                    | 42.20                  | 54.00                | 11.80       | 500.0           | 200.0       | V   | 12.0          | 3.9          |
| 5118.625000     | ---                    | 41.65                  | 54.00                | 12.35       | 500.0           | 200.0       | H   | 209.0         | 7.0          |
| 5253.375000     | 53.11                  | ---                    | 68.20                | 15.09       | 500.0           | 100.0       | H   | 77.0          | 7.4          |
| 6710.250000     | 52.77                  | ---                    | 68.20                | 15.43       | 500.0           | 100.0       | H   | 111.0         | 8.5          |
| 7311.375000     | ---                    | 42.00                  | 54.00                | 12.00       | 500.0           | 100.0       | V   | 277.0         | 9.3          |

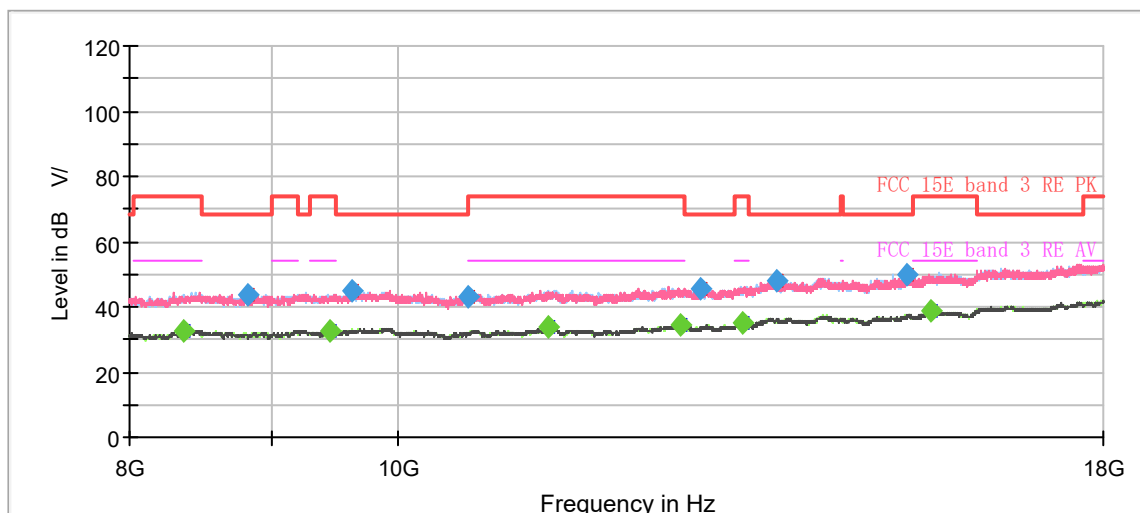
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11a CH157



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



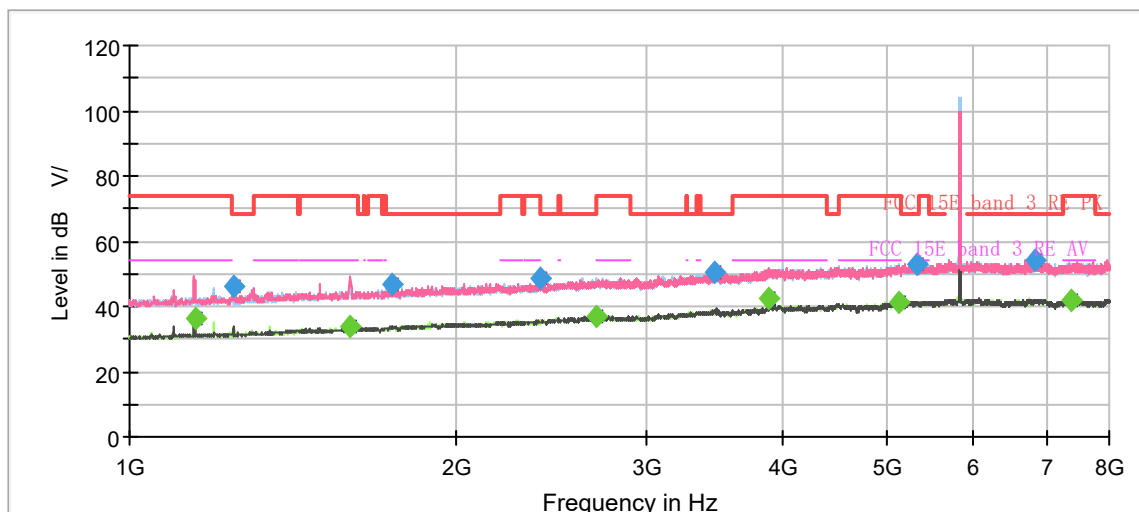
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1147.000000     | ---                    | 37.72                  | 54.00                | 16.28       | 500.0           | 200.0       | H   | 356.0         | -8.1         |
| 1249.375000     | 48.52                  | ---                    | 68.20                | 19.68       | 500.0           | 100.0       | V   | 342.0         | -7.4         |
| 1346.500000     | ---                    | 34.62                  | 54.00                | 19.38       | 500.0           | 100.0       | H   | 359.0         | -6.8         |
| 1592.375000     | ---                    | 33.62                  | 54.00                | 20.38       | 500.0           | 200.0       | V   | 165.0         | -5.5         |
| 1996.625000     | 46.65                  | ---                    | 68.20                | 21.55       | 500.0           | 200.0       | H   | 323.0         | -3.5         |
| 2556.625000     | 48.73                  | ---                    | 68.20                | 19.47       | 500.0           | 200.0       | V   | 5.0           | -0.9         |
| 2818.250000     | ---                    | 37.10                  | 54.00                | 16.90       | 500.0           | 200.0       | V   | 80.0          | 0.1          |
| 3498.125000     | 49.93                  | ---                    | 68.20                | 18.27       | 500.0           | 100.0       | H   | 156.0         | 2.5          |
| 3856.875000     | ---                    | 41.64                  | 54.00                | 12.36       | 500.0           | 200.0       | V   | 10.0          | 4.0          |
| 4444.000000     | 51.38                  | ---                    | 68.20                | 16.82       | 500.0           | 100.0       | V   | 342.0         | 5.3          |
| 6769.750000     | 51.03                  | ---                    | 68.20                | 17.17       | 500.0           | 200.0       | H   | 184.0         | 8.6          |
| 7484.625000     | ---                    | 41.84                  | 54.00                | 12.16       | 500.0           | 100.0       | V   | 126.0         | 9.0          |

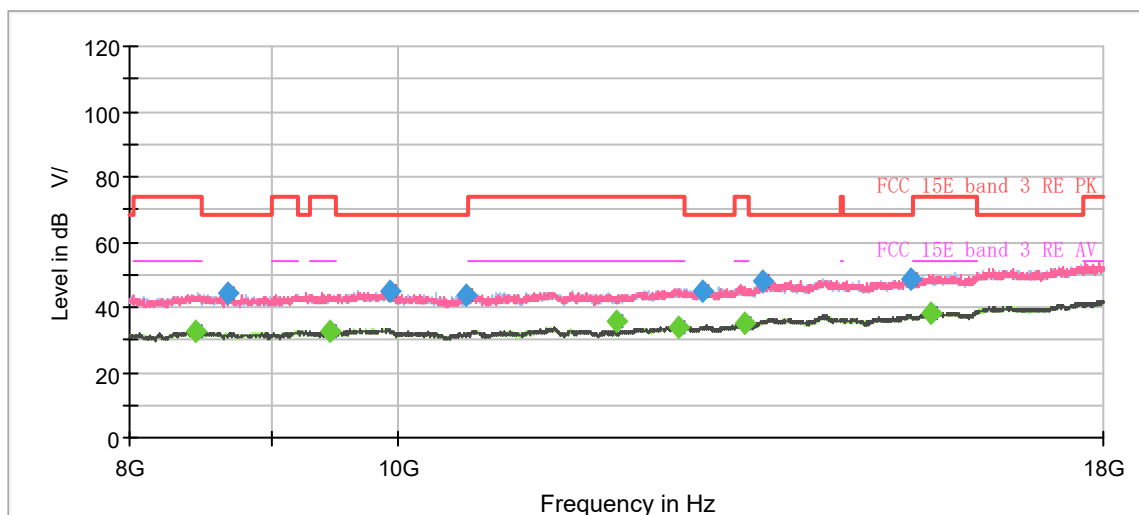
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH165



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

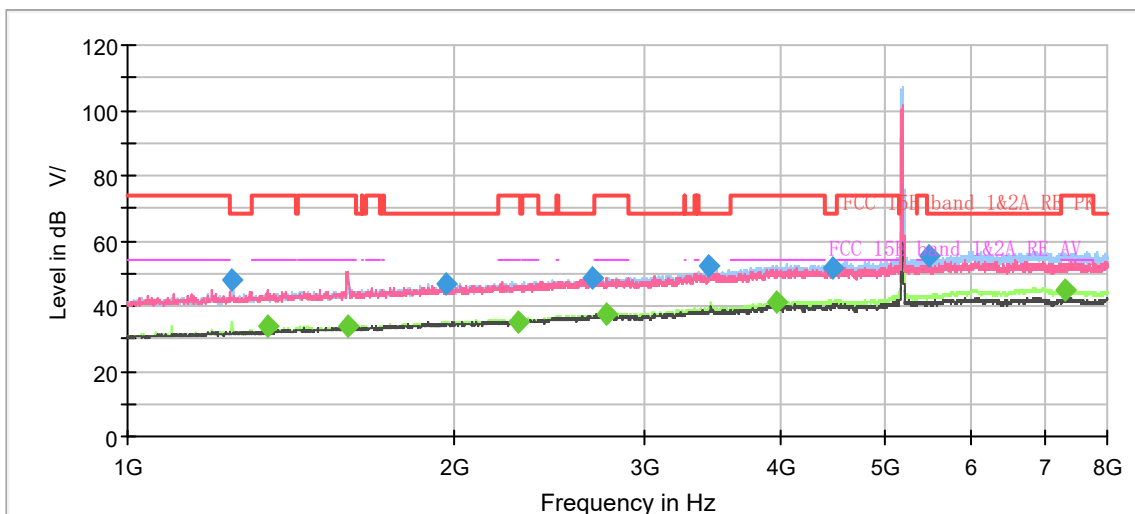


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1148.750000     | ---                    | 36.37                  | 54.00                | 17.63       | 500.0           | 100.0       | H   | 252.0         | -8.1         |
| 1249.375000     | 46.44                  | ---                    | 68.20                | 21.76       | 500.0           | 200.0       | H   | 210.0         | -7.4         |
| 1599.375000     | ---                    | 33.67                  | 54.00                | 20.33       | 500.0           | 100.0       | V   | 359.0         | -5.5         |
| 1749.000000     | 47.02                  | ---                    | 68.20                | 21.18       | 500.0           | 100.0       | V   | 339.0         | -4.7         |
| 2395.625000     | 48.48                  | ---                    | 68.20                | 19.72       | 500.0           | 200.0       | V   | 65.0          | -1.8         |
| 2696.625000     | ---                    | 36.82                  | 54.00                | 17.18       | 500.0           | 200.0       | V   | 70.0          | -0.1         |
| 3454.375000     | 50.27                  | ---                    | 68.20                | 17.93       | 500.0           | 200.0       | V   | 75.0          | 2.4          |
| 3883.125000     | ---                    | 42.28                  | 54.00                | 11.72       | 500.0           | 200.0       | V   | 11.0          | 4.2          |
| 5117.750000     | ---                    | 41.38                  | 54.00                | 12.62       | 500.0           | 200.0       | H   | 263.0         | 7.0          |
| 5320.750000     | 52.96                  | ---                    | 68.20                | 15.24       | 500.0           | 100.0       | V   | 299.0         | 7.4          |
| 6847.625000     | 54.18                  | ---                    | 68.20                | 14.02       | 500.0           | 100.0       | H   | 57.0          | 8.7          |
| 7375.250000     | ---                    | 41.82                  | 54.00                | 12.18       | 500.0           | 200.0       | H   | 297.0         | 9.3          |

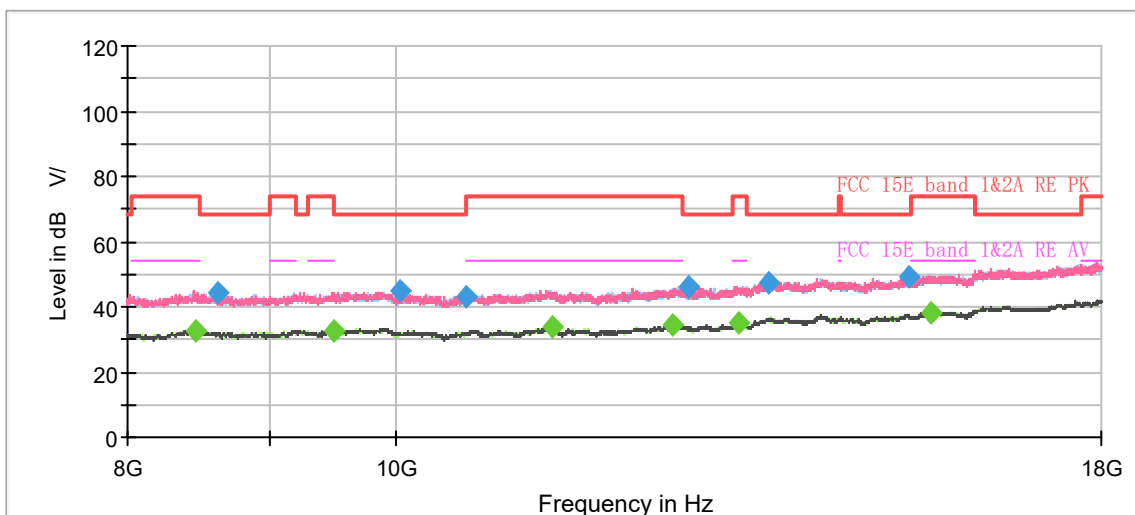
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH36



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



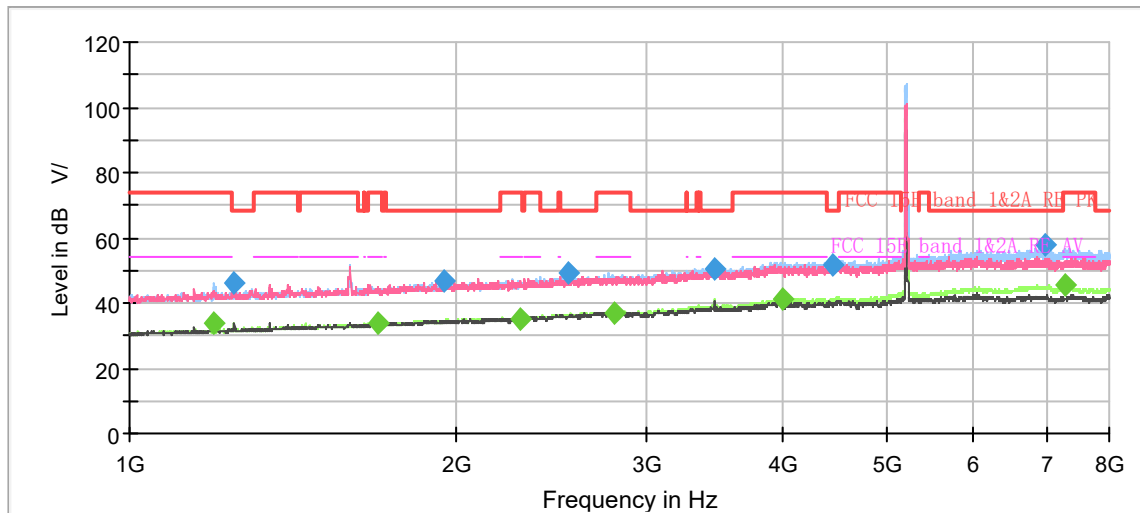
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1245.875000     | 48.27                  | ---                    | 68.20                | 19.93       | 500.0           | 200.0       | H   | 185.0         | -7.5         |
| 1343.875000     | ---                    | 34.12                  | 54.00                | 19.88       | 500.0           | 200.0       | V   | 318.0         | -6.8         |
| 1595.875000     | ---                    | 33.92                  | 54.00                | 20.08       | 500.0           | 200.0       | H   | 222.0         | -5.5         |
| 1970.375000     | 46.80                  | ---                    | 68.20                | 21.40       | 500.0           | 100.0       | H   | 222.0         | -3.6         |
| 2293.250000     | ---                    | 35.31                  | 54.00                | 18.69       | 500.0           | 200.0       | H   | 269.0         | -2.2         |
| 2684.375000     | 48.43                  | ---                    | 68.20                | 19.77       | 500.0           | 200.0       | H   | 109.0         | -0.2         |
| 2764.000000     | ---                    | 37.39                  | 54.00                | 16.61       | 500.0           | 200.0       | H   | 100.0         | -0.1         |
| 3434.250000     | 52.16                  | ---                    | 68.20                | 16.04       | 500.0           | 200.0       | H   | 83.0          | 2.3          |
| 3959.250000     | ---                    | 41.46                  | 54.00                | 12.54       | 500.0           | 200.0       | H   | 296.0         | 4.4          |
| 4473.750000     | 51.49                  | ---                    | 68.20                | 16.71       | 500.0           | 100.0       | H   | 27.0          | 5.4          |
| 5472.125000     | 55.41                  | ---                    | 68.20                | 12.79       | 500.0           | 200.0       | H   | 109.0         | 7.7          |
| 7330.625000     | ---                    | 45.13                  | 54.00                | 8.87        | 500.0           | 200.0       | H   | 278.0         | 9.3          |

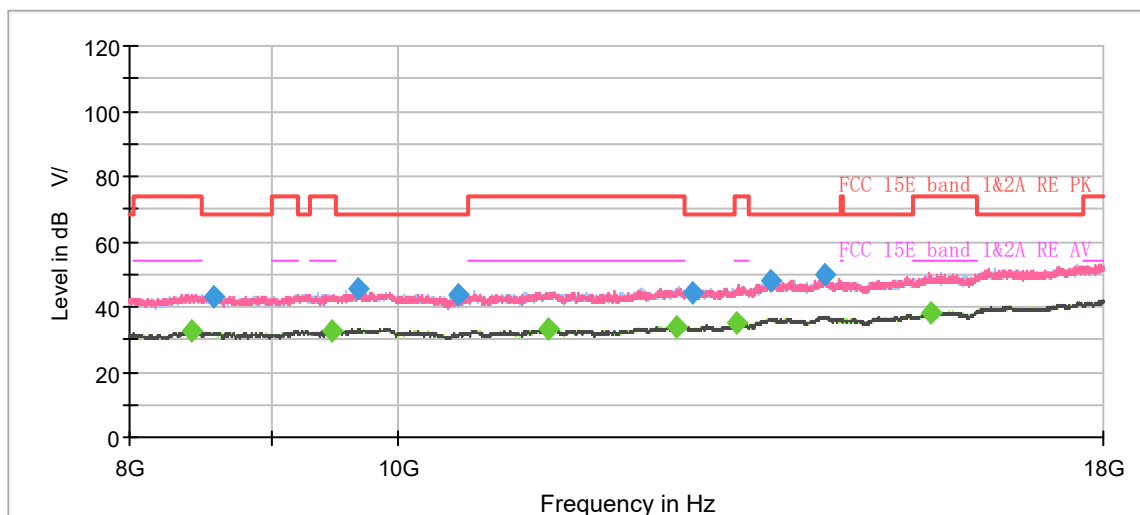
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH40



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



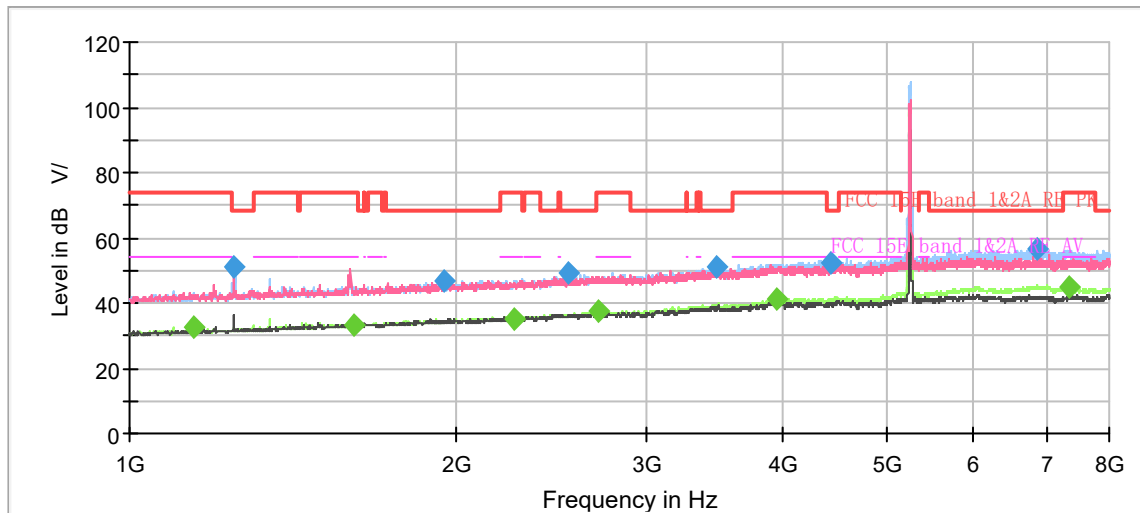
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1196.875000     | ---                    | 33.94                  | 54.00                | 20.06       | 500.0           | 100.0       | V   | 199.0         | -7.7         |
| 1248.500000     | 46.28                  | ---                    | 68.20                | 21.92       | 500.0           | 100.0       | V   | 179.0         | -7.4         |
| 1693.000000     | ---                    | 33.80                  | 54.00                | 20.20       | 500.0           | 100.0       | V   | 254.0         | -5.0         |
| 1946.750000     | 46.78                  | ---                    | 68.20                | 21.42       | 500.0           | 100.0       | V   | 288.0         | -3.7         |
| 2288.000000     | ---                    | 35.25                  | 54.00                | 18.75       | 500.0           | 100.0       | H   | 129.0         | -2.3         |
| 2536.500000     | 49.04                  | ---                    | 68.20                | 19.16       | 500.0           | 200.0       | V   | 209.0         | -1.0         |
| 2798.125000     | ---                    | 37.23                  | 54.00                | 16.77       | 500.0           | 100.0       | H   | 72.0          | 0.0          |
| 3466.625000     | 50.68                  | ---                    | 68.20                | 17.52       | 500.0           | 200.0       | V   | 219.0         | 2.4          |
| 3996.875000     | ---                    | 41.23                  | 54.00                | 12.77       | 500.0           | 100.0       | H   | 20.0          | 4.5          |
| 4449.250000     | 51.67                  | ---                    | 68.20                | 16.53       | 500.0           | 100.0       | V   | 348.0         | 5.3          |
| 6975.375000     | 57.54                  | ---                    | 68.20                | 10.66       | 500.0           | 100.0       | H   | 162.0         | 8.8          |
| 7289.500000     | ---                    | 45.42                  | 54.00                | 8.58        | 500.0           | 100.0       | H   | 77.0          | 9.3          |

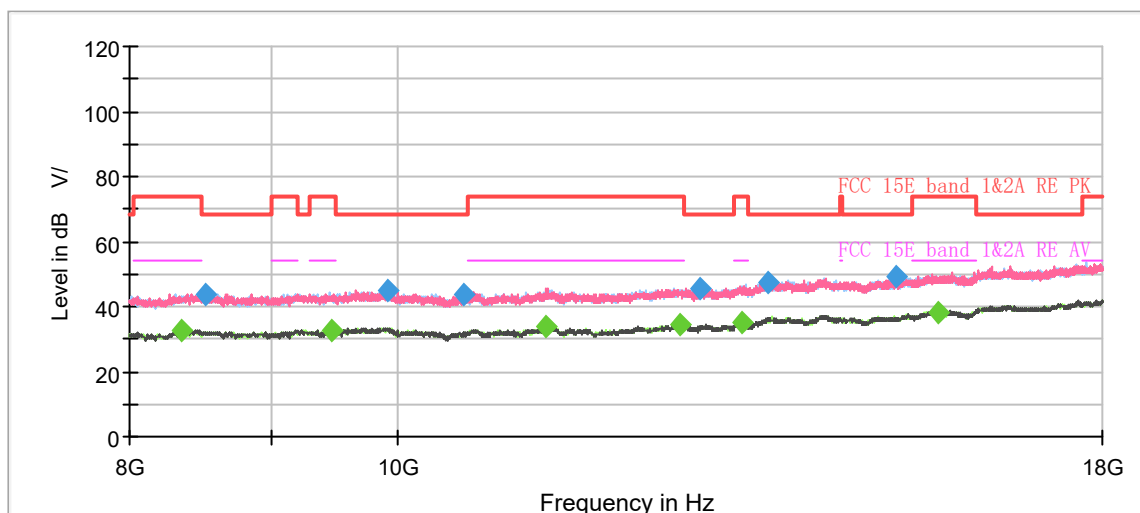
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH48



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



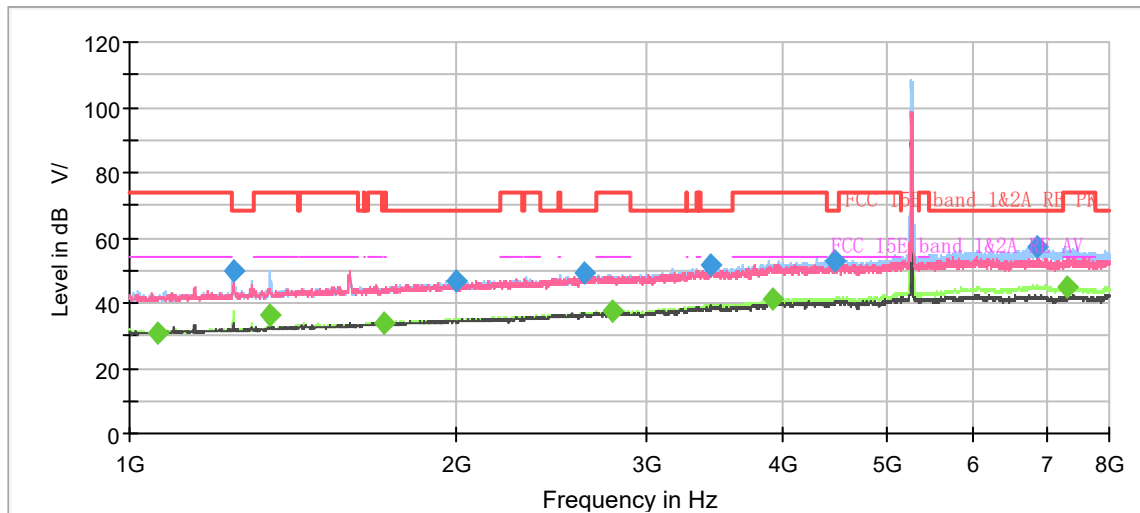
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1145.250000     | ---                    | 32.82                  | 54.00                | 21.18       | 500.0           | 100.0       | V   | 321.0         | -8.1         |
| 1246.750000     | 50.83                  | ---                    | 68.20                | 17.37       | 500.0           | 200.0       | V   | 207.0         | -7.5         |
| 1612.500000     | ---                    | 33.10                  | 54.00                | 20.90       | 500.0           | 100.0       | H   | 29.0          | -5.4         |
| 1952.875000     | 46.88                  | ---                    | 68.20                | 21.32       | 500.0           | 200.0       | V   | 216.0         | -3.7         |
| 2259.125000     | ---                    | 35.12                  | 54.00                | 18.88       | 500.0           | 100.0       | H   | 33.0          | -2.3         |
| 2536.500000     | 49.37                  | ---                    | 68.20                | 18.83       | 500.0           | 100.0       | H   | 38.0          | -1.0         |
| 2699.250000     | ---                    | 37.24                  | 54.00                | 16.76       | 500.0           | 100.0       | H   | 67.0          | -0.1         |
| 3471.000000     | 51.10                  | ---                    | 68.20                | 17.10       | 500.0           | 100.0       | H   | 5.0           | 2.5          |
| 3945.250000     | ---                    | 41.13                  | 54.00                | 12.87       | 500.0           | 100.0       | H   | 5.0           | 4.4          |
| 4437.000000     | 52.39                  | ---                    | 68.20                | 15.81       | 500.0           | 100.0       | H   | 71.0          | 5.3          |
| 6873.875000     | 56.72                  | ---                    | 68.20                | 11.48       | 500.0           | 100.0       | H   | 171.0         | 8.8          |
| 7359.500000     | ---                    | 45.06                  | 54.00                | 8.94        | 500.0           | 100.0       | H   | 81.0          | 9.3          |

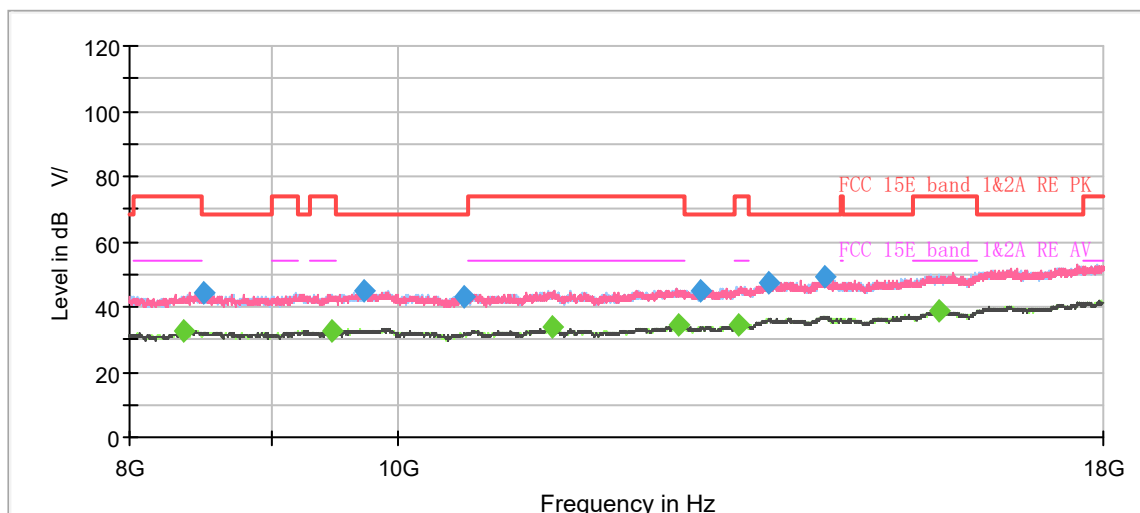
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH52



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

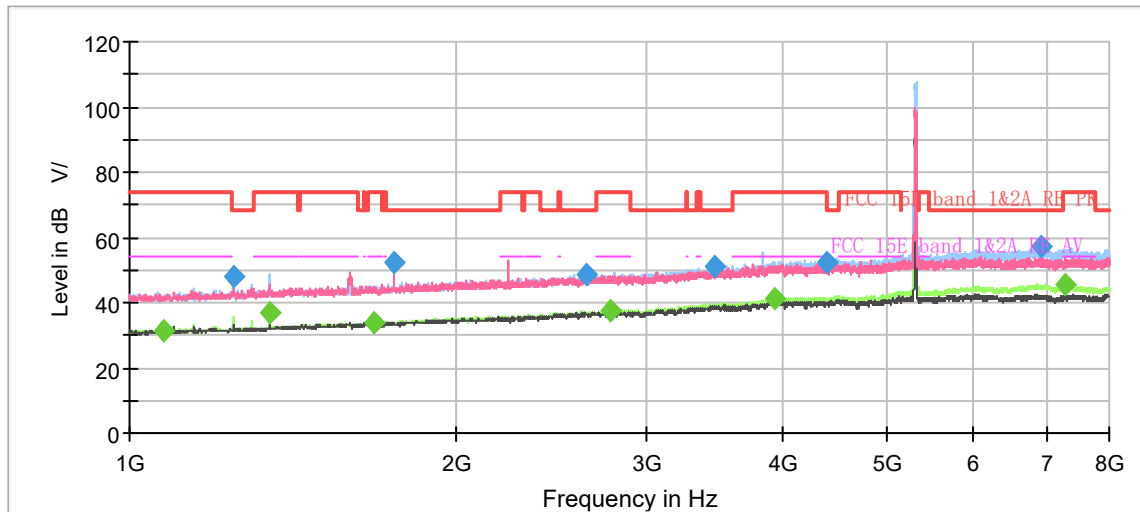


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1060.375000     | ---                    | 30.78                  | 54.00                | 23.22       | 500.0           | 100.0       | H   | 32.0          | -8.7         |
| 1246.750000     | 50.14                  | ---                    | 68.20                | 18.06       | 500.0           | 100.0       | H   | 185.0         | -7.5         |
| 1344.750000     | ---                    | 36.10                  | 54.00                | 17.90       | 500.0           | 100.0       | H   | 195.0         | -6.8         |
| 1719.250000     | ---                    | 34.05                  | 54.00                | 19.95       | 500.0           | 100.0       | V   | 58.0          | -4.9         |
| 1999.250000     | 46.65                  | ---                    | 68.20                | 21.55       | 500.0           | 200.0       | H   | 347.0         | -3.4         |
| 2625.750000     | 48.98                  | ---                    | 68.20                | 19.22       | 500.0           | 100.0       | V   | 142.0         | -0.5         |
| 2785.875000     | ---                    | 37.65                  | 54.00                | 16.35       | 500.0           | 100.0       | H   | 37.0          | 0.0          |
| 3436.875000     | 51.60                  | ---                    | 68.20                | 16.60       | 500.0           | 100.0       | H   | 42.0          | 2.3          |
| 3920.750000     | ---                    | 41.39                  | 54.00                | 12.61       | 500.0           | 100.0       | H   | 132.0         | 4.4          |
| 4464.125000     | 52.84                  | ---                    | 68.20                | 15.36       | 500.0           | 200.0       | H   | 0.0           | 5.4          |
| 6878.250000     | 57.03                  | ---                    | 68.20                | 11.17       | 500.0           | 100.0       | H   | 118.0         | 8.8          |
| 7305.250000     | ---                    | 45.16                  | 54.00                | 8.84        | 500.0           | 200.0       | H   | 301.0         | 9.3          |

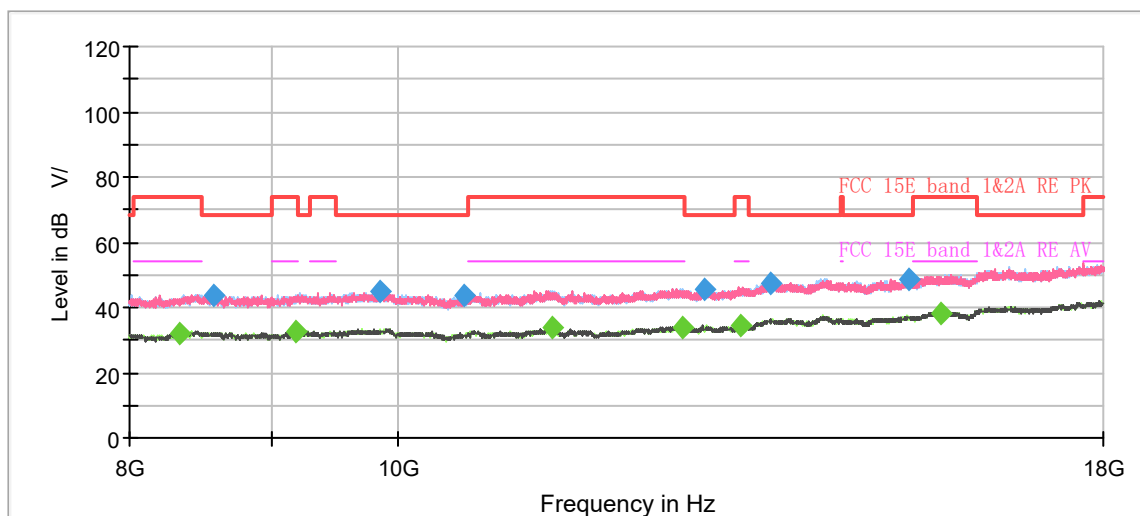
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH60



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



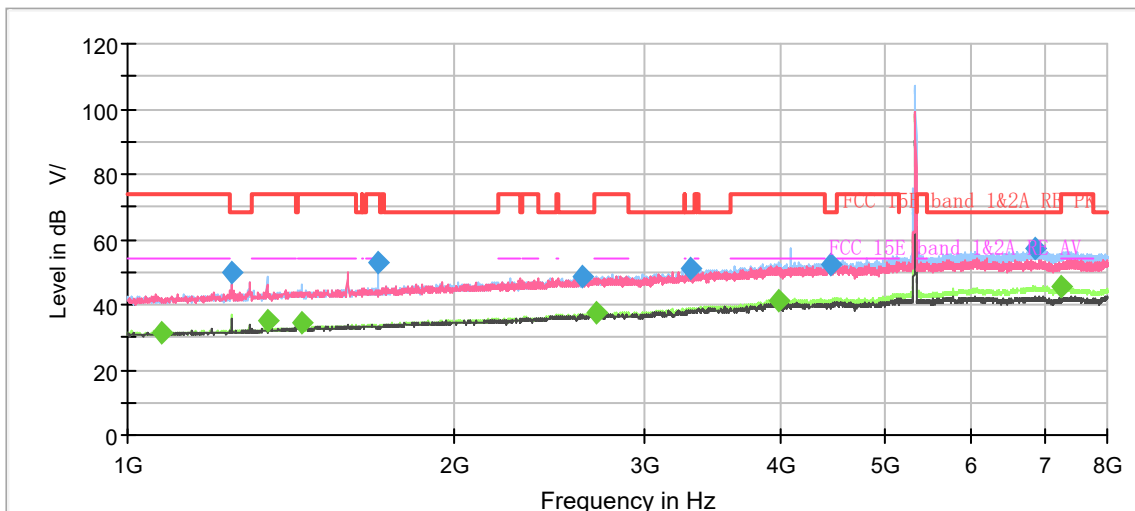
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1075.250000     | ---                    | 31.20                  | 54.00                | 22.80       | 500.0           | 200.0       | H   | 326.0         | -8.6         |
| 1245.000000     | 47.76                  | ---                    | 68.20                | 20.44       | 500.0           | 200.0       | H   | 0.0           | -7.5         |
| 1348.250000     | ---                    | 36.95                  | 54.00                | 17.05       | 500.0           | 100.0       | H   | 248.0         | -6.8         |
| 1682.500000     | ---                    | 33.91                  | 54.00                | 20.09       | 500.0           | 200.0       | H   | 306.0         | -5.0         |
| 1753.375000     | 52.12                  | ---                    | 68.20                | 16.08       | 500.0           | 200.0       | V   | 82.0          | -4.7         |
| 2640.625000     | 48.83                  | ---                    | 68.20                | 19.37       | 500.0           | 200.0       | V   | 194.0         | -0.5         |
| 2777.125000     | ---                    | 37.51                  | 54.00                | 16.49       | 500.0           | 100.0       | H   | 243.0         | 0.0          |
| 3456.125000     | 50.98                  | ---                    | 68.20                | 17.22       | 500.0           | 100.0       | H   | 65.0          | 2.4          |
| 3933.875000     | ---                    | 41.08                  | 54.00                | 12.92       | 500.0           | 200.0       | H   | 0.0           | 4.4          |
| 4396.750000     | 52.19                  | ---                    | 74.00                | 21.81       | 500.0           | 200.0       | H   | 0.0           | 5.1          |
| 6930.750000     | 56.94                  | ---                    | 68.20                | 11.26       | 500.0           | 100.0       | H   | 50.0          | 8.8          |
| 7293.875000     | ---                    | 45.36                  | 54.00                | 8.64        | 500.0           | 200.0       | H   | 306.0         | 9.3          |

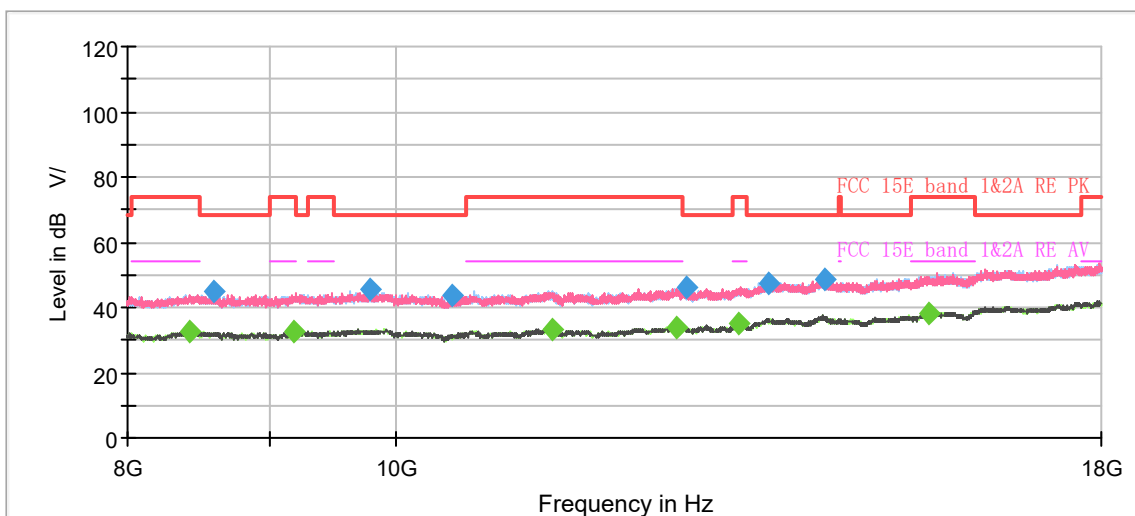
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH64



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



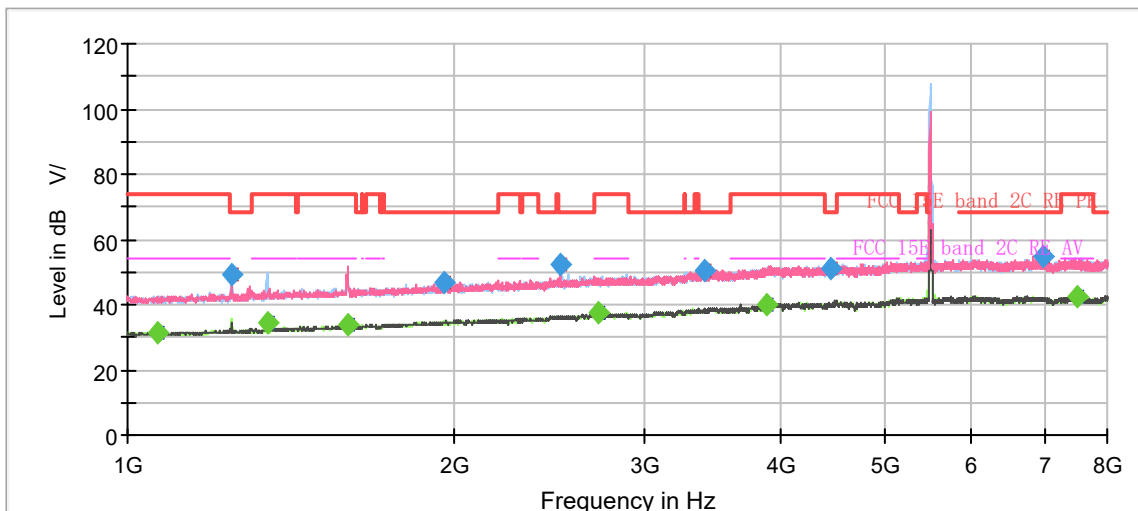
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1077.000000     | ---                    | 31.33                  | 54.00                | 22.67       | 500.0           | 100.0       | H   | 1.0           | -8.6         |
| 1246.750000     | 49.72                  | ---                    | 68.20                | 18.48       | 500.0           | 200.0       | H   | 260.0         | -7.5         |
| 1343.875000     | ---                    | 35.13                  | 54.00                | 18.87       | 500.0           | 100.0       | H   | 65.0          | -6.8         |
| 1447.125000     | ---                    | 34.69                  | 54.00                | 19.31       | 500.0           | 200.0       | H   | 269.0         | -6.2         |
| 1700.000000     | 52.75                  | ---                    | 74.00                | 21.25       | 500.0           | 100.0       | H   | 16.0          | -4.9         |
| 2620.500000     | 48.71                  | ---                    | 68.20                | 19.49       | 500.0           | 200.0       | V   | 70.0          | -0.6         |
| 2699.250000     | ---                    | 37.54                  | 54.00                | 16.46       | 500.0           | 200.0       | H   | 308.0         | -0.1         |
| 3303.000000     | 50.88                  | ---                    | 68.20                | 17.32       | 500.0           | 100.0       | H   | 168.0         | 1.9          |
| 3989.000000     | ---                    | 41.34                  | 54.00                | 12.66       | 500.0           | 100.0       | H   | 1.0           | 4.5          |
| 4442.250000     | 52.20                  | ---                    | 68.20                | 16.00       | 500.0           | 200.0       | H   | 352.0         | 5.3          |
| 6855.500000     | 57.03                  | ---                    | 68.20                | 11.17       | 500.0           | 100.0       | H   | 6.0           | 8.7          |
| 7251.000000     | ---                    | 45.30                  | 54.00                | 8.70        | 500.0           | 100.0       | H   | 16.0          | 9.2          |

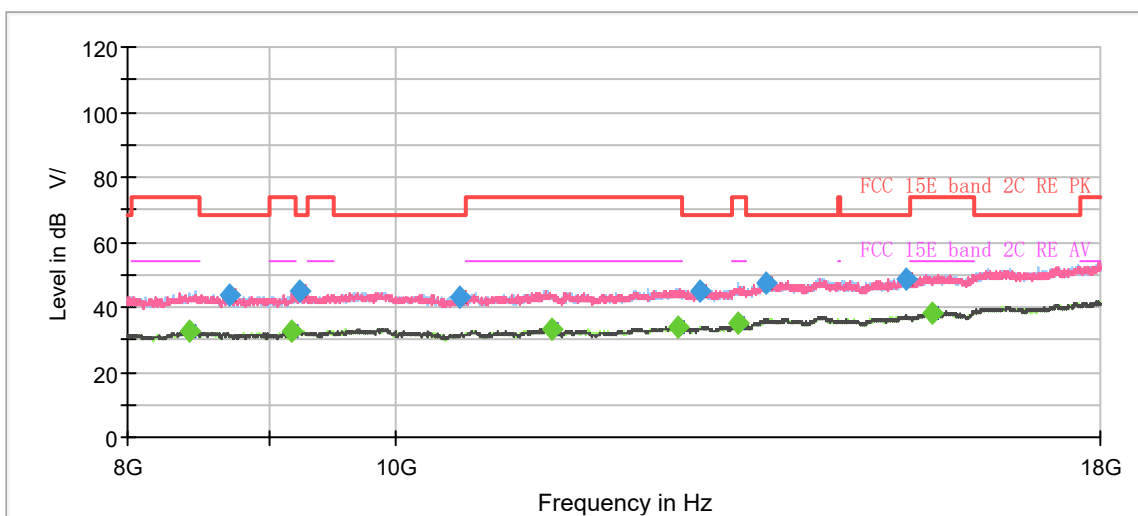
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11n (HT20) CH100



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



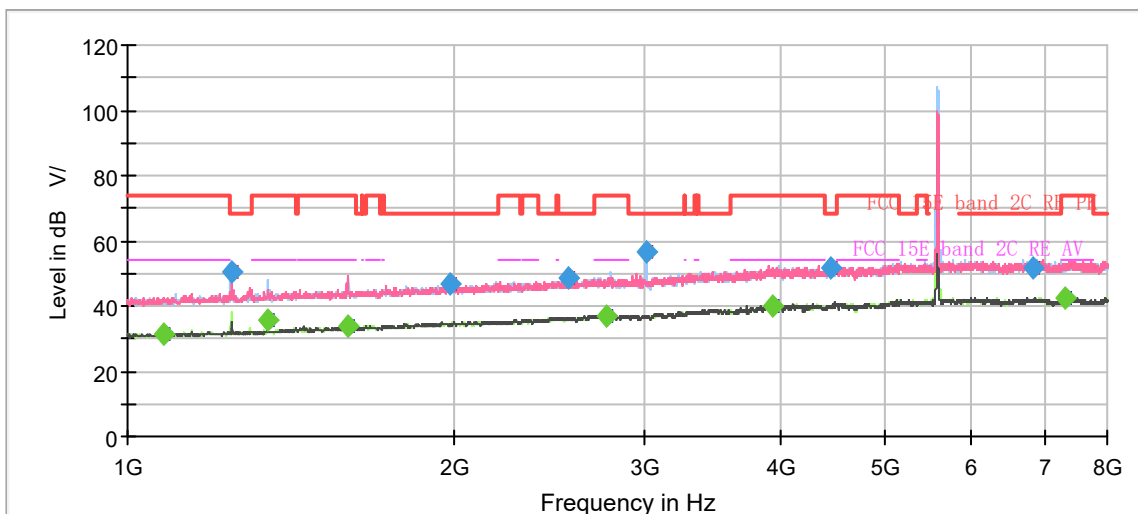
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1066.500000     | ---                    | 31.17                  | 54.00                | 22.83       | 500.0           | 200.0       | V   | 246.0         | -8.6         |
| 1245.000000     | 49.30                  | ---                    | 68.20                | 18.90       | 500.0           | 100.0       | H   | 266.0         | -7.5         |
| 1347.375000     | ---                    | 34.37                  | 54.00                | 19.63       | 500.0           | 100.0       | H   | 61.0          | -6.8         |
| 1597.625000     | ---                    | 34.12                  | 54.00                | 19.88       | 500.0           | 200.0       | V   | 145.0         | -5.5         |
| 1960.750000     | 46.94                  | ---                    | 68.20                | 21.26       | 500.0           | 100.0       | V   | 237.0         | -3.6         |
| 2508.500000     | 52.50                  | ---                    | 68.20                | 15.70       | 500.0           | 200.0       | V   | 0.0           | -1.1         |
| 2721.125000     | ---                    | 37.25                  | 54.00                | 16.75       | 500.0           | 200.0       | H   | 71.0          | -0.1         |
| 3401.000000     | 50.54                  | ---                    | 68.20                | 17.66       | 500.0           | 200.0       | H   | 317.0         | 2.2          |
| 3888.375000     | ---                    | 40.27                  | 54.00                | 13.73       | 500.0           | 100.0       | V   | 127.0         | 4.2          |
| 4458.000000     | 51.15                  | ---                    | 68.20                | 17.05       | 500.0           | 200.0       | V   | 35.0          | 5.4          |
| 6968.375000     | 54.69                  | ---                    | 68.20                | 13.51       | 500.0           | 200.0       | V   | 0.0           | 8.8          |
| 7507.375000     | ---                    | 42.21                  | 54.00                | 11.79       | 500.0           | 200.0       | V   | 10.0          | 8.9          |

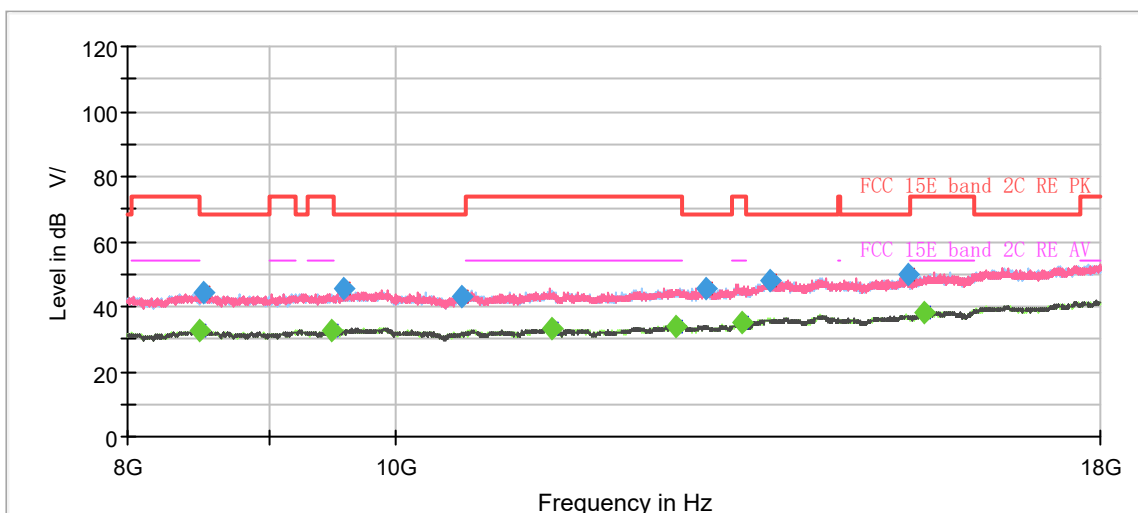
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH116



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

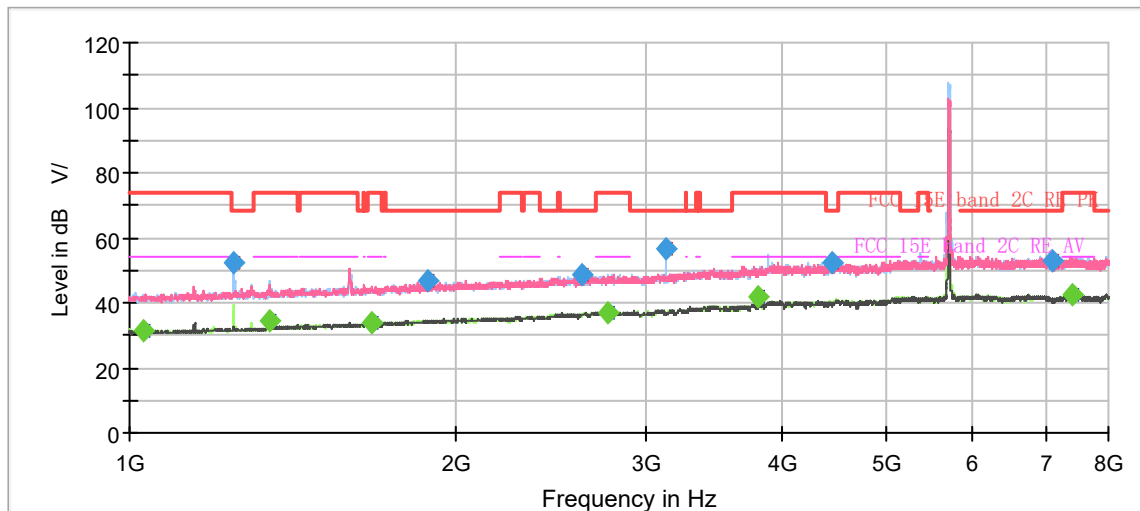


| Frequency<br>(MHz) | MaxPeak<br>(dB $\mu$ V/m) | Average<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) | Meas. Time<br>(ms) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------------|---------------------------|-------------------------|----------------|--------------------|----------------|-----|------------------|-----------------|
| 1080.500000        | ---                       | 31.22                     | 54.00                   | 22.78          | 500.0              | 200.0          | V   | 52.0             | -8.6            |
| 1248.500000        | 50.22                     | ---                       | 68.20                   | 17.98          | 500.0              | 200.0          | H   | 2.0              | -7.4            |
| 1348.250000        | ---                       | 35.43                     | 54.00                   | 18.57          | 500.0              | 200.0          | H   | 40.0             | -6.8            |
| 1598.500000        | ---                       | 33.89                     | 54.00                   | 20.11          | 500.0              | 200.0          | V   | 183.0            | -5.5            |
| 1987.000000        | 46.53                     | ---                       | 68.20                   | 21.67          | 500.0              | 100.0          | V   | 258.0            | -3.5            |
| 2547.000000        | 48.43                     | ---                       | 68.20                   | 19.77          | 500.0              | 100.0          | H   | 69.0             | -1.0            |
| 2764.000000        | ---                       | 37.15                     | 54.00                   | 16.85          | 500.0              | 200.0          | H   | 311.0            | -0.1            |
| 3009.875000        | 56.59                     | ---                       | 68.20                   | 11.61          | 500.0              | 100.0          | H   | 214.0            | 0.5             |
| 3940.875000        | ---                       | 40.19                     | 54.00                   | 13.81          | 500.0              | 100.0          | V   | 258.0            | 4.4             |
| 4446.625000        | 51.57                     | ---                       | 68.20                   | 16.63          | 500.0              | 100.0          | H   | 39.0             | 5.3             |
| 6823.125000        | 51.45                     | ---                       | 68.20                   | 16.75          | 500.0              | 100.0          | H   | 358.0            | 8.7             |
| 7311.375000        | ---                       | 42.32                     | 54.00                   | 11.68          | 500.0              | 100.0          | H   | 130.0            | 9.3             |

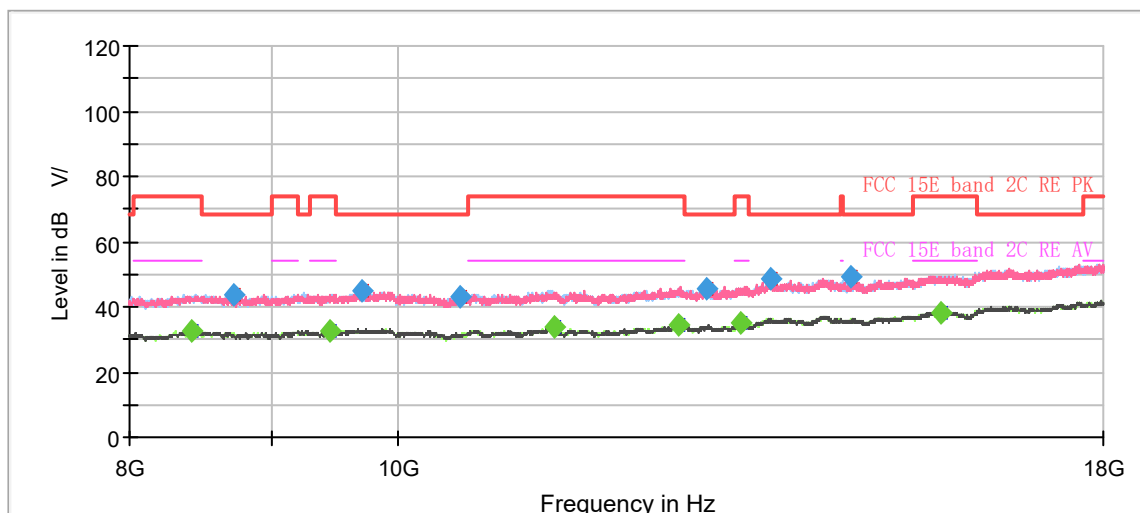
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11n (HT20) CH140



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



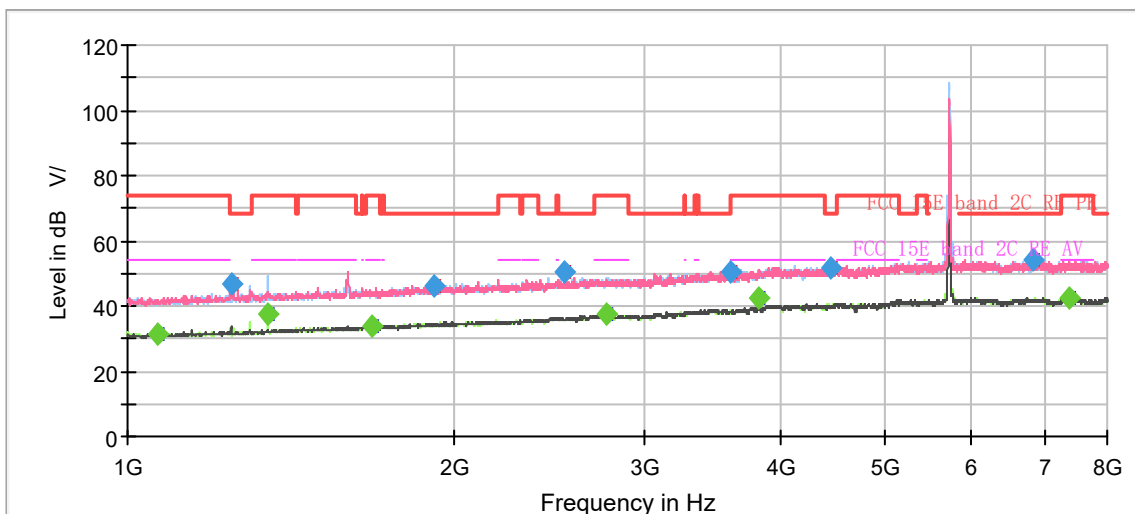
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1031.500000     | ---                    | 31.49                  | 54.00                | 22.51       | 500.0           | 200.0       | H   | 148.0         | -8.9         |
| 1248.500000     | 52.14                  | ---                    | 68.20                | 16.06       | 500.0           | 100.0       | H   | 67.0          | -7.4         |
| 1348.250000     | ---                    | 34.56                  | 54.00                | 19.44       | 500.0           | 200.0       | H   | 284.0         | -6.8         |
| 1671.125000     | ---                    | 33.86                  | 54.00                | 20.14       | 500.0           | 100.0       | V   | 96.0          | -5.1         |
| 1883.750000     | 46.49                  | ---                    | 68.20                | 21.71       | 500.0           | 100.0       | H   | 26.0          | -4.0         |
| 2617.000000     | 48.53                  | ---                    | 68.20                | 19.67       | 500.0           | 200.0       | H   | 158.0         | -0.6         |
| 2768.375000     | ---                    | 37.11                  | 54.00                | 16.89       | 500.0           | 200.0       | V   | 132.0         | -0.1         |
| 3121.875000     | 56.55                  | ---                    | 68.20                | 11.65       | 500.0           | 100.0       | H   | 179.0         | 1.0          |
| 3800.000000     | ---                    | 41.88                  | 54.00                | 12.12       | 500.0           | 200.0       | V   | 43.0          | 3.7          |
| 4446.625000     | 52.18                  | ---                    | 68.20                | 16.02       | 500.0           | 200.0       | V   | 289.0         | 5.3          |
| 7111.000000     | 53.12                  | ---                    | 68.20                | 15.08       | 500.0           | 100.0       | H   | 11.0          | 9.0          |
| 7419.000000     | ---                    | 42.30                  | 54.00                | 11.70       | 500.0           | 200.0       | H   | 246.0         | 9.2          |

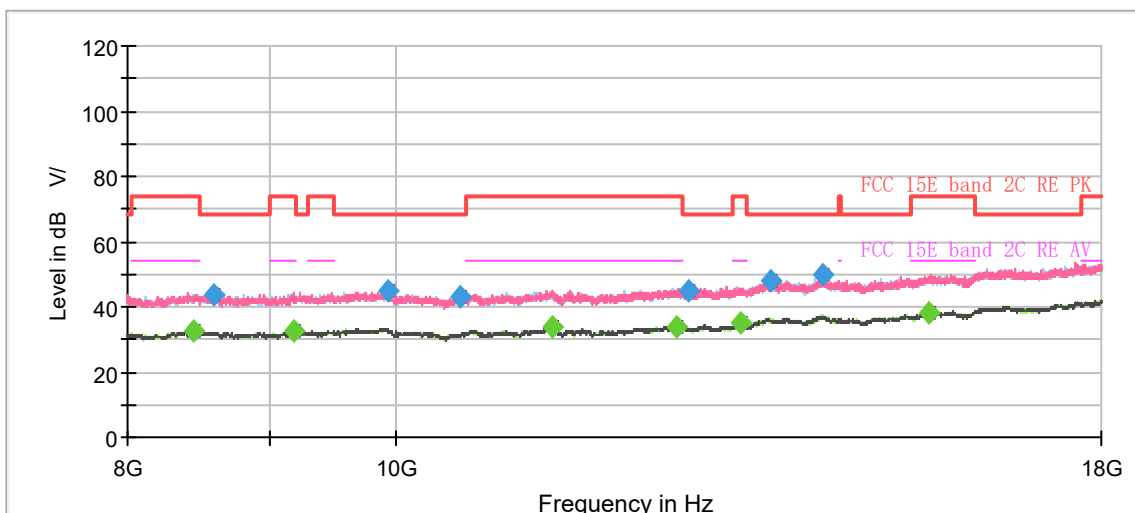
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH144



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



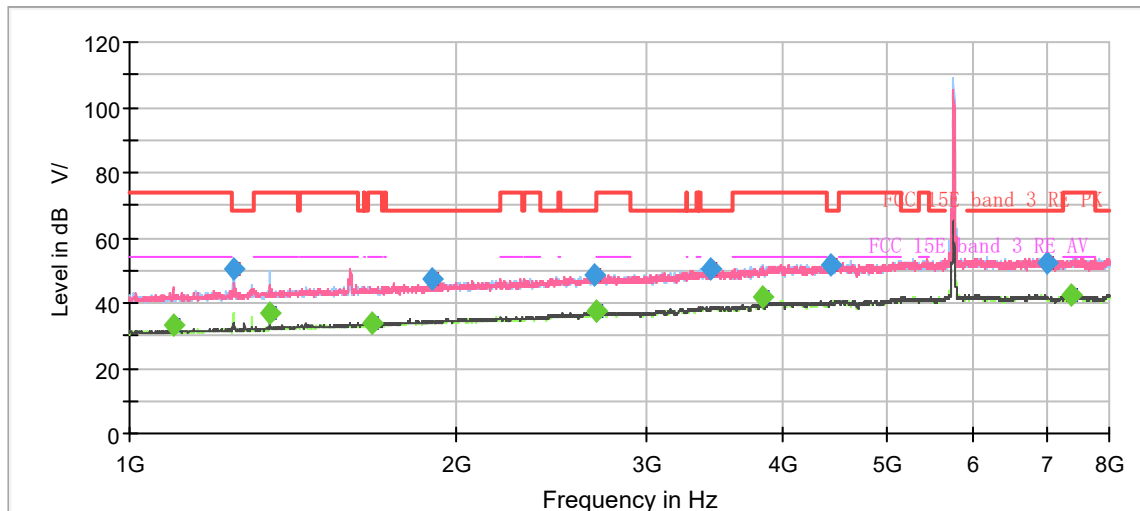
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1066.500000     | ---                    | 31.19                  | 54.00                | 22.81       | 500.0           | 100.0       | V   | 269.0         | -8.6         |
| 1245.000000     | 47.01                  | ---                    | 68.20                | 21.19       | 500.0           | 100.0       | H   | 24.0          | -7.5         |
| 1345.625000     | ---                    | 37.49                  | 54.00                | 16.51       | 500.0           | 100.0       | H   | 280.0         | -6.8         |
| 1677.250000     | ---                    | 34.00                  | 54.00                | 20.00       | 500.0           | 200.0       | V   | 156.0         | -5.0         |
| 1917.000000     | 46.38                  | ---                    | 68.20                | 21.82       | 500.0           | 100.0       | V   | 340.0         | -3.9         |
| 2532.125000     | 50.65                  | ---                    | 68.20                | 17.55       | 500.0           | 100.0       | H   | 43.0          | -1.0         |
| 2767.500000     | ---                    | 37.30                  | 54.00                | 16.70       | 500.0           | 200.0       | V   | 42.0          | -0.1         |
| 3598.750000     | 50.32                  | ---                    | 68.20                | 17.88       | 500.0           | 200.0       | H   | 191.0         | 2.7          |
| 3813.125000     | ---                    | 42.38                  | 54.00                | 11.62       | 500.0           | 200.0       | V   | 240.0         | 3.8          |
| 4457.125000     | 51.77                  | ---                    | 68.20                | 16.43       | 500.0           | 100.0       | H   | 144.0         | 5.4          |
| 6838.000000     | 54.39                  | ---                    | 68.20                | 13.81       | 500.0           | 100.0       | V   | 125.0         | 8.7          |
| 7394.500000     | ---                    | 42.25                  | 54.00                | 11.75       | 500.0           | 200.0       | V   | 98.0          | 9.3          |

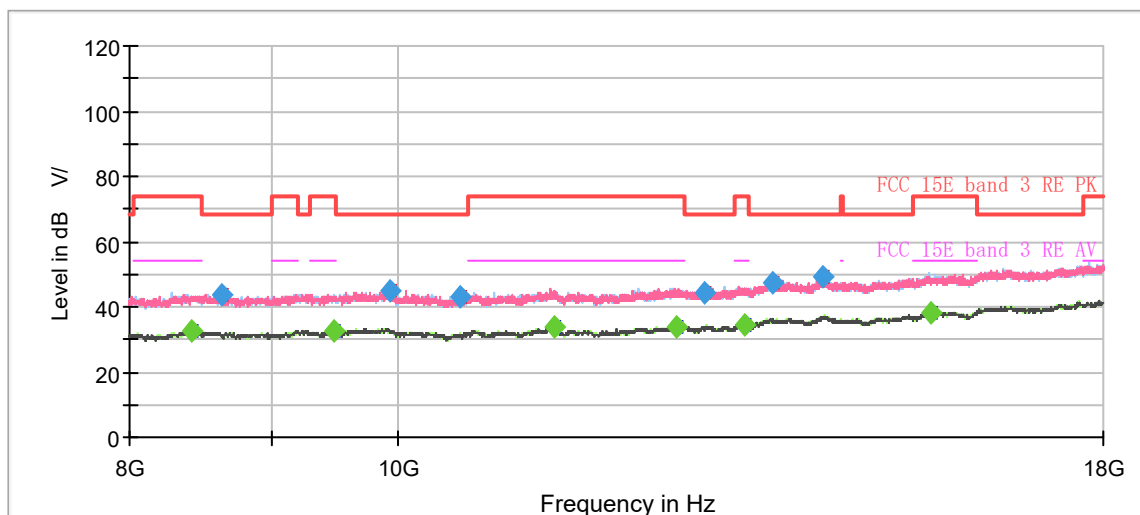
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH149



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



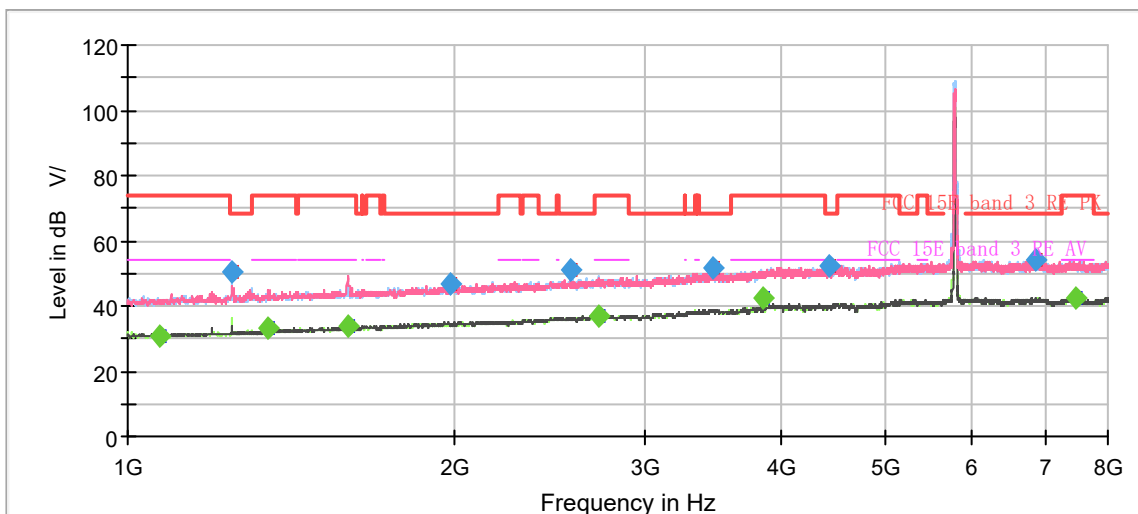
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1096.250000     | ---                    | 33.42                  | 54.00                | 20.58       | 500.0           | 200.0       | V   | 231.0         | -8.4         |
| 1247.625000     | 50.53                  | ---                    | 68.20                | 17.67       | 500.0           | 100.0       | H   | 49.0          | -7.5         |
| 1345.625000     | ---                    | 36.71                  | 54.00                | 17.29       | 500.0           | 100.0       | H   | 280.0         | -6.8         |
| 1675.500000     | ---                    | 33.84                  | 54.00                | 20.16       | 500.0           | 200.0       | V   | 285.0         | -5.0         |
| 1899.500000     | 47.37                  | ---                    | 68.20                | 20.83       | 500.0           | 100.0       | V   | 266.0         | -3.9         |
| 2679.125000     | 48.52                  | ---                    | 68.20                | 19.68       | 500.0           | 100.0       | V   | 0.0           | -0.2         |
| 2692.250000     | ---                    | 37.32                  | 54.00                | 16.68       | 500.0           | 100.0       | V   | 336.0         | -0.1         |
| 3430.750000     | 50.44                  | ---                    | 68.20                | 17.76       | 500.0           | 200.0       | H   | 359.0         | 2.3          |
| 3829.750000     | ---                    | 41.87                  | 54.00                | 12.13       | 500.0           | 200.0       | V   | 236.0         | 3.9          |
| 4435.250000     | 51.90                  | ---                    | 68.20                | 16.30       | 500.0           | 200.0       | V   | 47.0          | 5.3          |
| 7004.250000     | 52.21                  | ---                    | 68.20                | 15.99       | 500.0           | 200.0       | H   | 239.0         | 8.9          |
| 7394.500000     | ---                    | 42.30                  | 54.00                | 11.70       | 500.0           | 200.0       | V   | 87.0          | 9.3          |

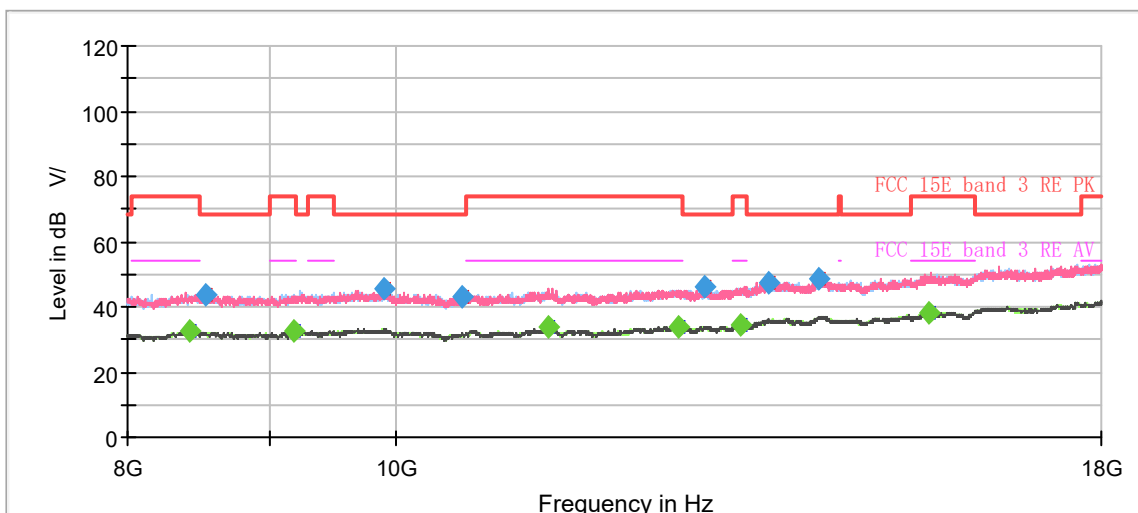
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

# 802.11n (HT20) CH157



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

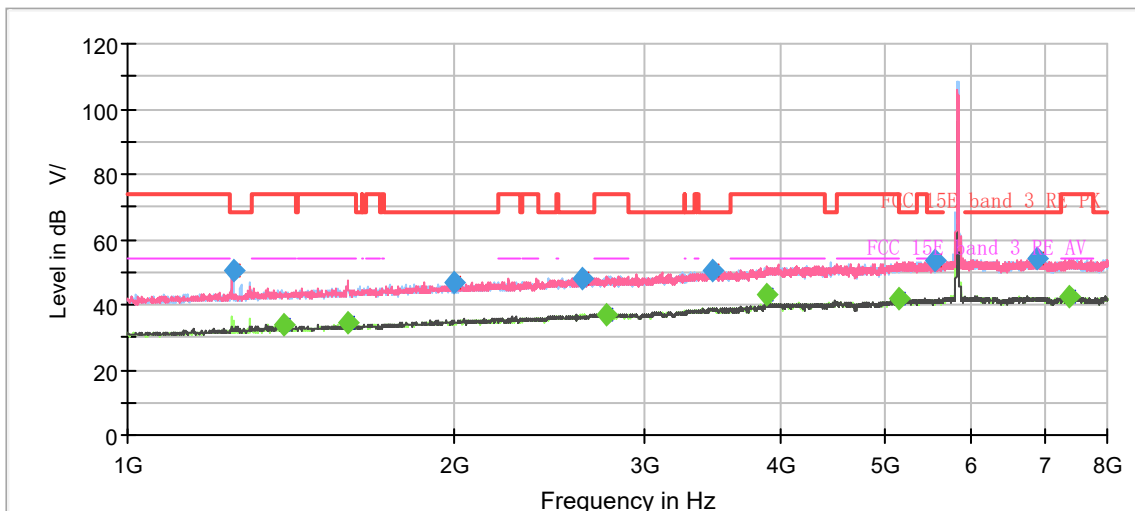


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1070.000000     | ---                    | 30.90                  | 54.00                | 23.10       | 500.0           | 100.0       | V   | 213.0         | -8.6         |
| 1247.625000     | 50.43                  | ---                    | 68.20                | 17.77       | 500.0           | 100.0       | H   | 281.0         | -7.5         |
| 1345.625000     | ---                    | 33.14                  | 54.00                | 20.86       | 500.0           | 200.0       | H   | 192.0         | -6.8         |
| 1594.125000     | ---                    | 33.90                  | 54.00                | 20.10       | 500.0           | 100.0       | V   | 64.0          | -5.5         |
| 1985.250000     | 46.57                  | ---                    | 68.20                | 21.63       | 500.0           | 200.0       | H   | 240.0         | -3.5         |
| 2557.500000     | 51.16                  | ---                    | 68.20                | 17.04       | 500.0           | 200.0       | V   | 220.0         | -0.9         |
| 2712.375000     | ---                    | 36.97                  | 54.00                | 17.03       | 500.0           | 100.0       | H   | 0.0           | -0.1         |
| 3466.625000     | 51.57                  | ---                    | 68.20                | 16.63       | 500.0           | 200.0       | V   | 104.0         | 2.4          |
| 3856.875000     | ---                    | 42.72                  | 54.00                | 11.28       | 500.0           | 200.0       | V   | 238.0         | 4.0          |
| 4428.250000     | 52.15                  | ---                    | 68.20                | 16.05       | 500.0           | 200.0       | H   | 309.0         | 5.2          |
| 6871.250000     | 54.13                  | ---                    | 68.20                | 14.07       | 500.0           | 100.0       | V   | 350.0         | 8.8          |
| 7485.500000     | ---                    | 42.33                  | 54.00                | 11.67       | 500.0           | 100.0       | H   | 117.0         | 9.0          |

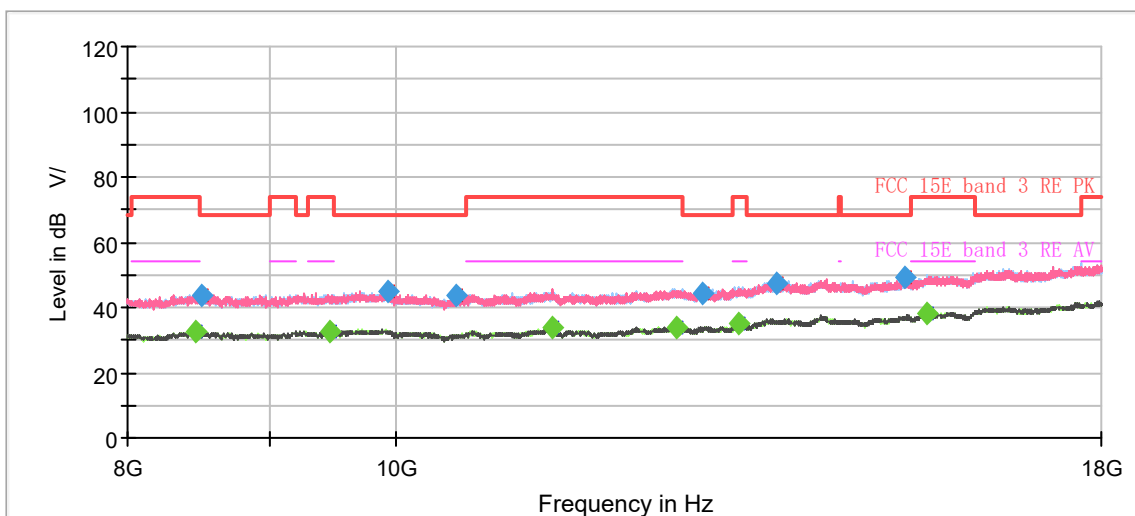
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT20) CH165



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



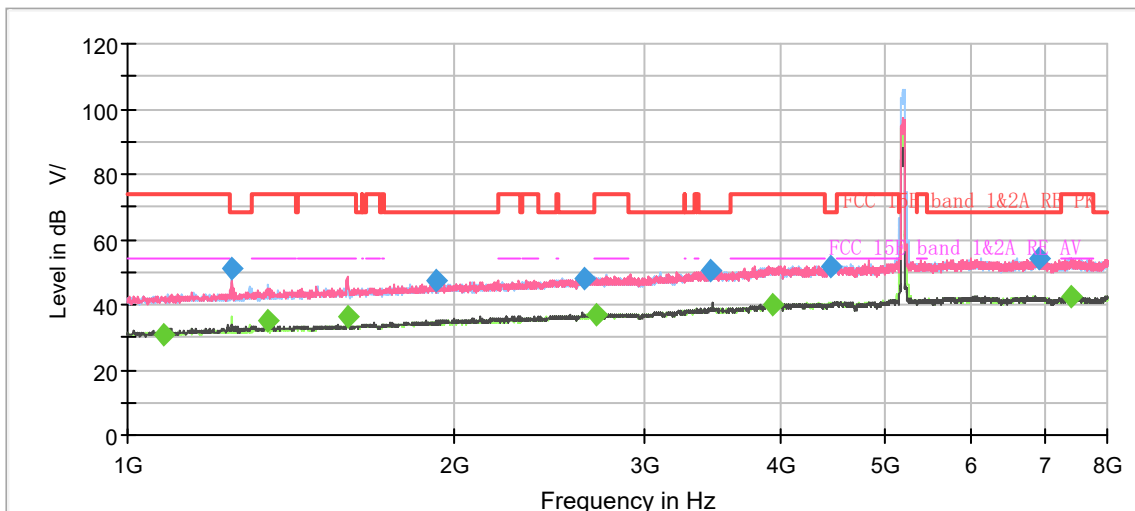
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1250.250000     | 50.76                  | ---                    | 68.20                | 17.44       | 500.0           | 100.0       | H   | 67.0          | -7.4         |
| 1394.625000     | ---                    | 33.99                  | 54.00                | 20.01       | 500.0           | 100.0       | H   | 258.0         | -6.5         |
| 1594.125000     | ---                    | 34.19                  | 54.00                | 19.81       | 500.0           | 200.0       | V   | 330.0         | -5.5         |
| 1998.375000     | 46.69                  | ---                    | 68.20                | 21.51       | 500.0           | 100.0       | H   | 28.0          | -3.4         |
| 2628.375000     | 48.30                  | ---                    | 68.20                | 19.90       | 500.0           | 100.0       | H   | 6.0           | -0.5         |
| 2758.750000     | ---                    | 36.99                  | 54.00                | 17.01       | 500.0           | 200.0       | V   | 104.0         | -0.1         |
| 3455.250000     | 50.41                  | ---                    | 68.20                | 17.79       | 500.0           | 200.0       | V   | 165.0         | 2.4          |
| 3883.125000     | ---                    | 43.31                  | 54.00                | 10.69       | 500.0           | 200.0       | V   | 236.0         | 4.2          |
| 5149.250000     | ---                    | 41.86                  | 54.00                | 12.14       | 500.0           | 200.0       | V   | 260.0         | 7.1          |
| 5544.750000     | 53.74                  | ---                    | 68.20                | 14.46       | 500.0           | 200.0       | V   | 297.0         | 7.9          |
| 6887.875000     | 54.33                  | ---                    | 68.20                | 13.87       | 500.0           | 200.0       | V   | 203.0         | 8.8          |
| 7394.500000     | ---                    | 42.29                  | 54.00                | 11.71       | 500.0           | 100.0       | V   | 251.0         | 9.3          |

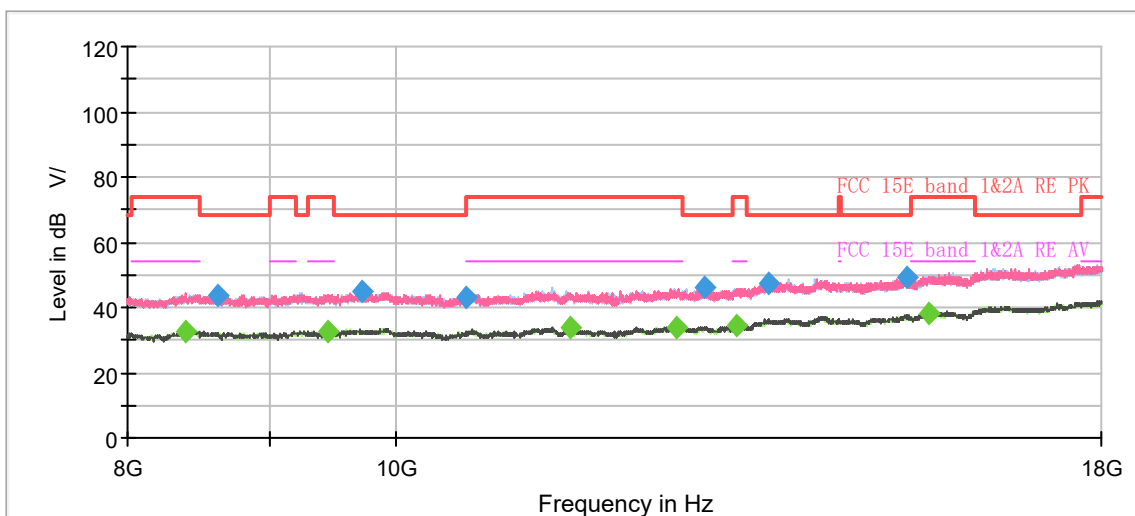
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT40) CH38



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



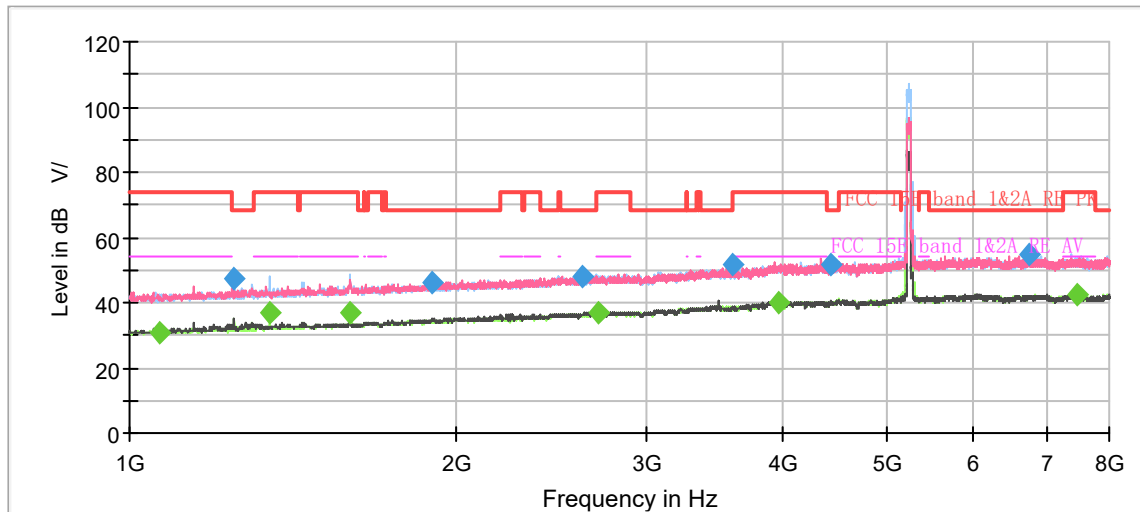
Radiates Emission from 8GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1079.625000     | ---                    | 31.05                  | 54.00                | 22.95       | 500.0           | 200.0       | H   | 78.0          | -8.6         |
| 1247.625000     | 51.09                  | ---                    | 68.20                | 17.11       | 500.0           | 100.0       | H   | 55.0          | -7.5         |
| 1349.125000     | ---                    | 34.95                  | 54.00                | 19.05       | 500.0           | 200.0       | H   | 240.0         | -6.8         |
| 1593.250000     | ---                    | 36.18                  | 54.00                | 17.82       | 500.0           | 100.0       | V   | 275.0         | -5.5         |
| 1925.750000     | 47.61                  | ---                    | 68.20                | 20.59       | 500.0           | 100.0       | V   | 261.0         | -3.8         |
| 2637.125000     | 48.22                  | ---                    | 68.20                | 19.98       | 500.0           | 100.0       | V   | 26.0          | -0.5         |
| 2700.125000     | ---                    | 37.22                  | 54.00                | 16.78       | 500.0           | 200.0       | V   | 135.0         | -0.1         |
| 3445.625000     | 50.63                  | ---                    | 68.20                | 17.57       | 500.0           | 200.0       | V   | 206.0         | 2.4          |
| 3936.500000     | ---                    | 40.29                  | 54.00                | 13.71       | 500.0           | 200.0       | V   | 103.0         | 4.4          |
| 4449.250000     | 51.96                  | ---                    | 68.20                | 16.24       | 500.0           | 200.0       | V   | 16.0          | 5.3          |
| 6919.375000     | 54.08                  | ---                    | 68.20                | 14.12       | 500.0           | 200.0       | V   | 164.0         | 8.8          |
| 7395.375000     | ---                    | 42.43                  | 54.00                | 11.57       | 500.0           | 200.0       | H   | 20.0          | 9.3          |

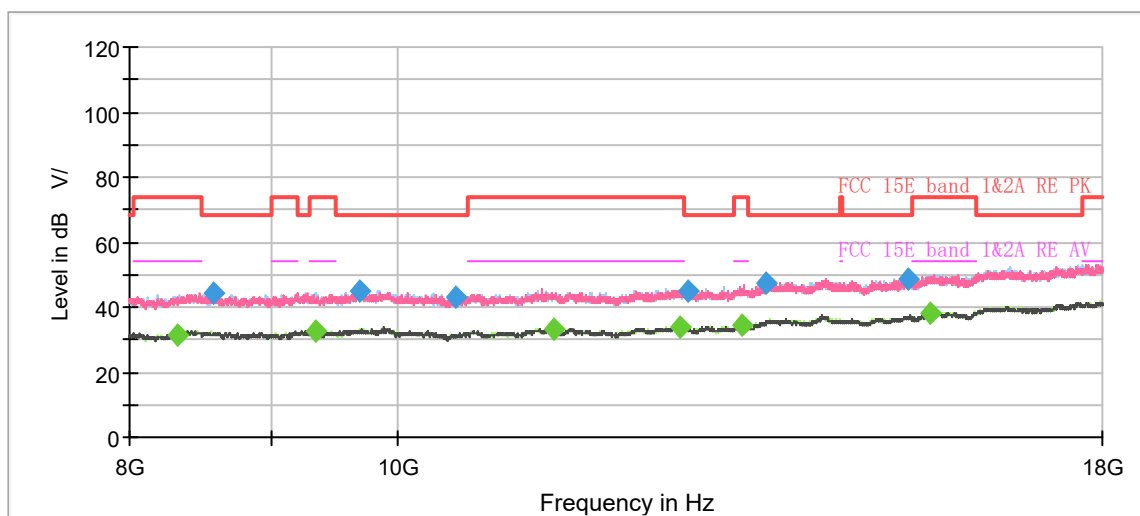
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

## 802.11n (HT40) CH46



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz