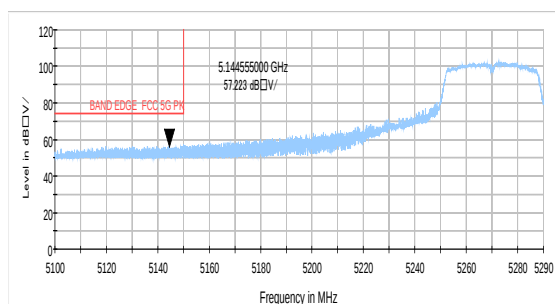
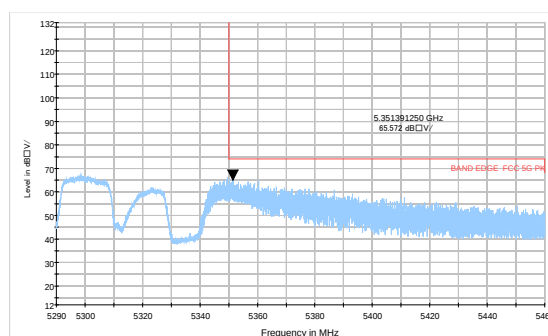


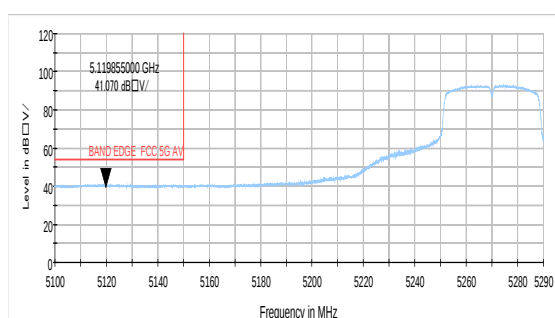
802.11n HT40-Channel 54: Peak



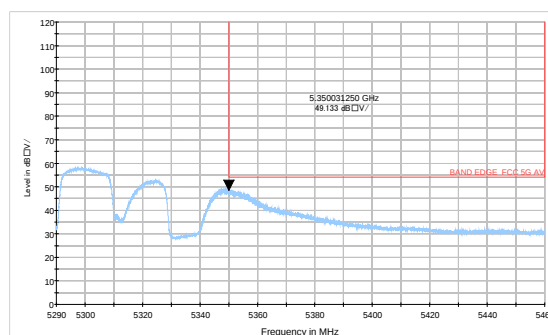
802.11n HT40-Channel 62: Peak



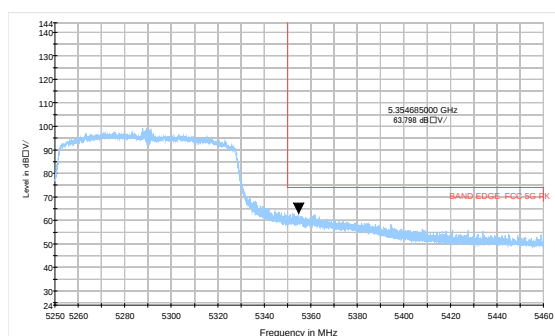
802.11n HT40-Channel 54: Average



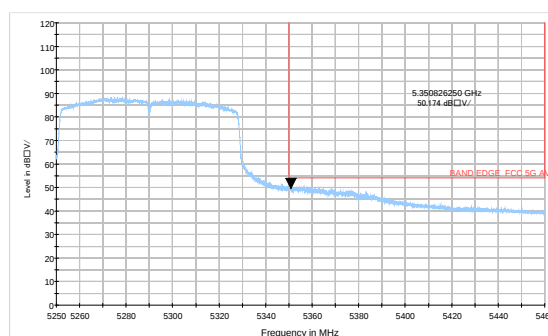
802.11n HT40-Channel 62: Average



802.11ac VHT80 -Channel 58: Peak

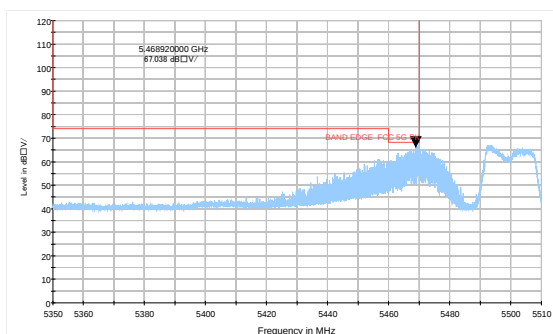


802.11ac VHT80- Channel 58: Average

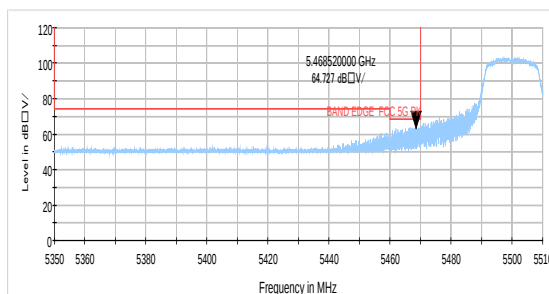


## U-NII-2C

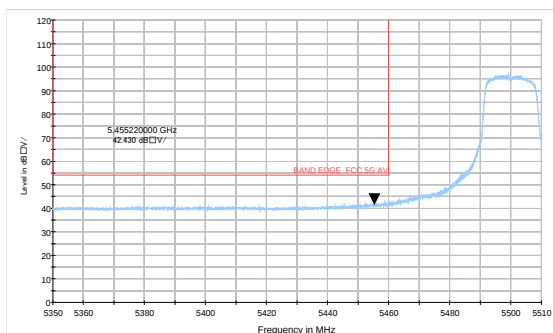
802.11a-Channel 100: Peak



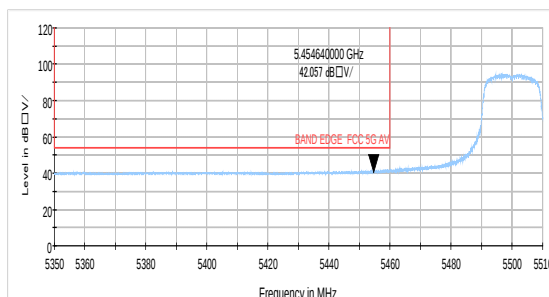
802.11n HT20-Channel 100: Peak



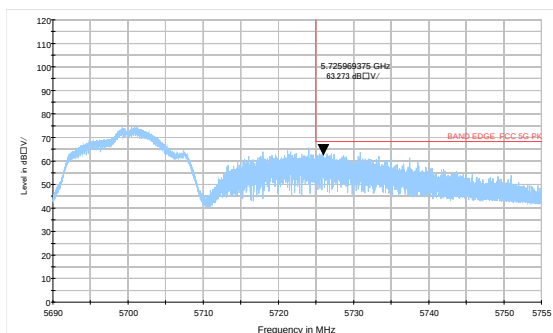
802.11a-Channel 100: Average



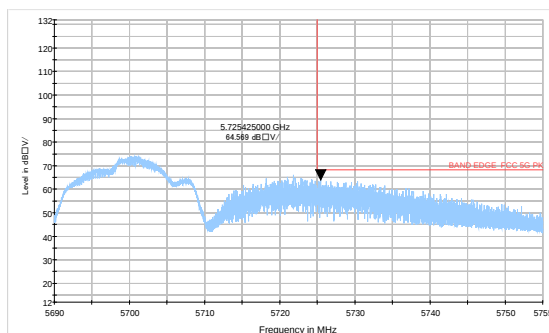
802.11n HT20-Channel 100: Average



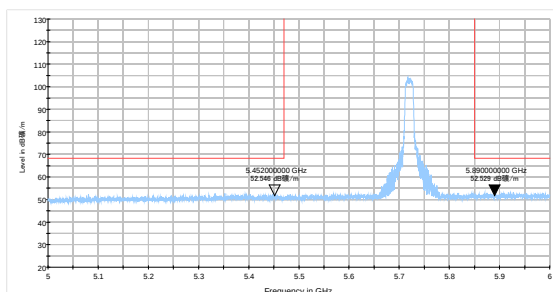
802.11a-Channel 140: Peak



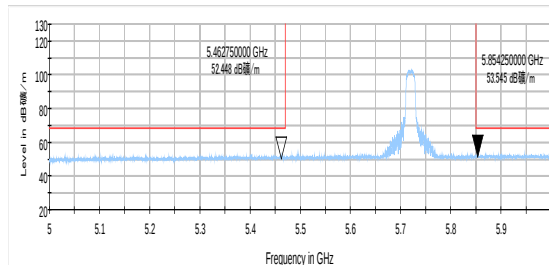
802.11n HT20-Channel 140: Peak



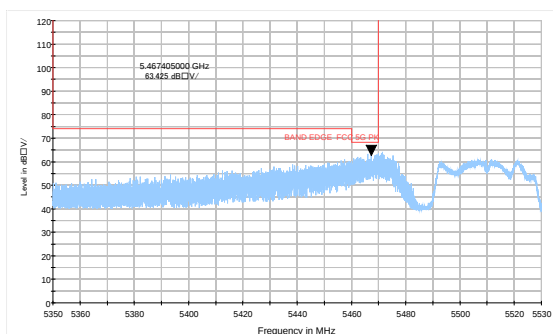
802.11a-Channel 144: Peak



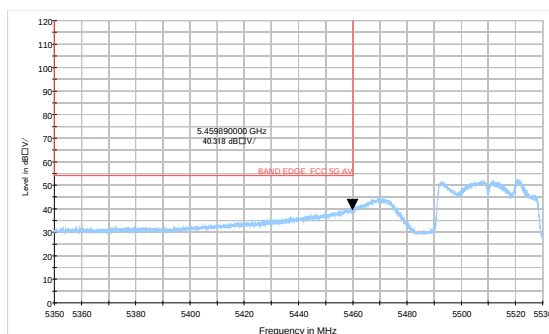
802.11n HT20-Channel 144: Peak



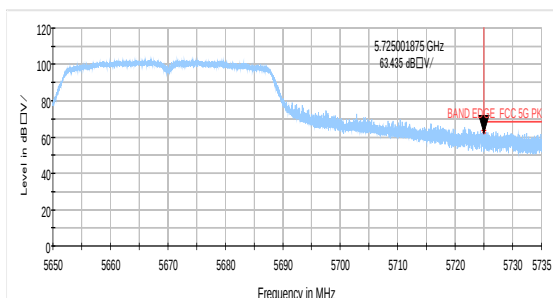
802.11n HT40-Channel 102: Peak



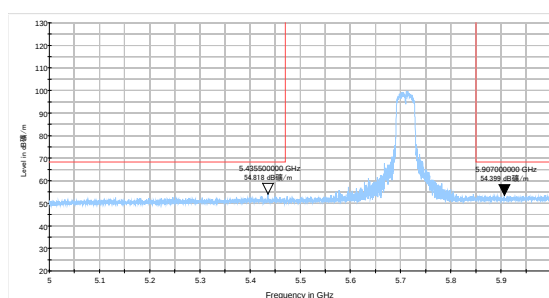
802.11n HT40-Channel 102: Average



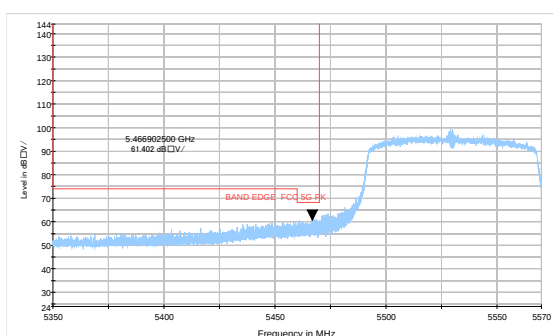
802.11n HT40-Channel 134: Peak



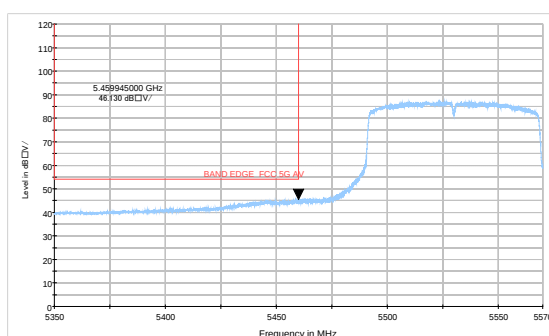
802.11n HT40-Channel 142: Peak



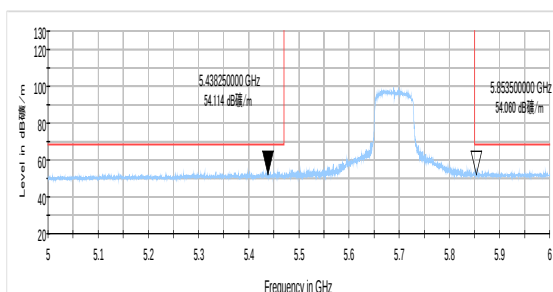
802.11ac VHT80 -Channel 106: Peak



802.11ac VHT80- Channel 106: Average

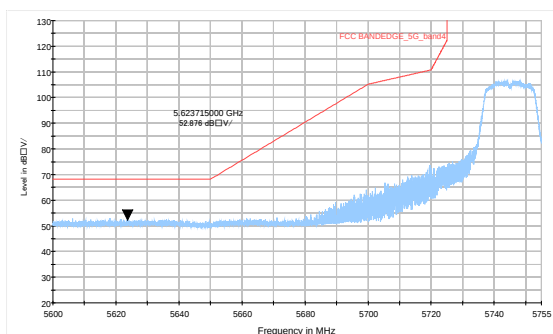


802.11ac VHT80 -Channel 138: Peak

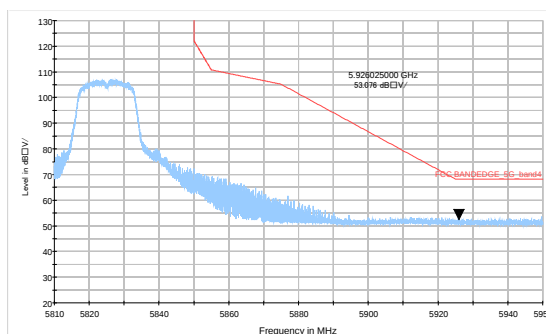


## U-NII-3

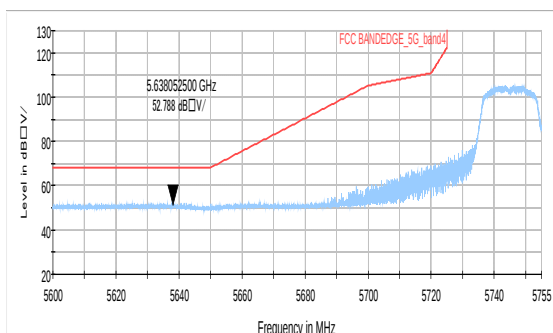
802.11a-Channel 149: Peak



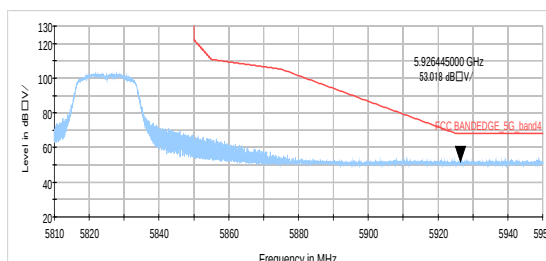
802.11a-Channel 165: Peak



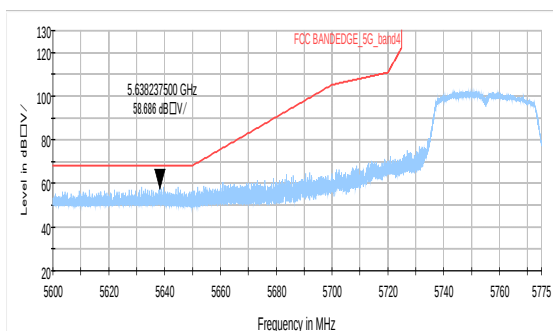
802.11n HT20-Channel 149: Peak



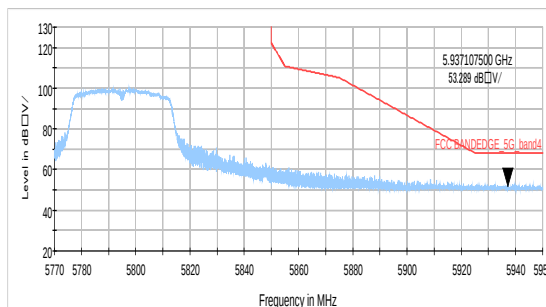
802.11n HT20-Channel 165: Peak



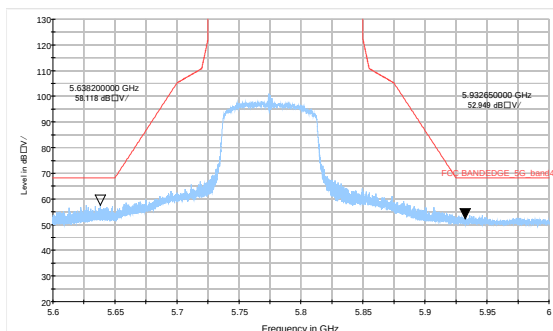
802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak



## Result of RE

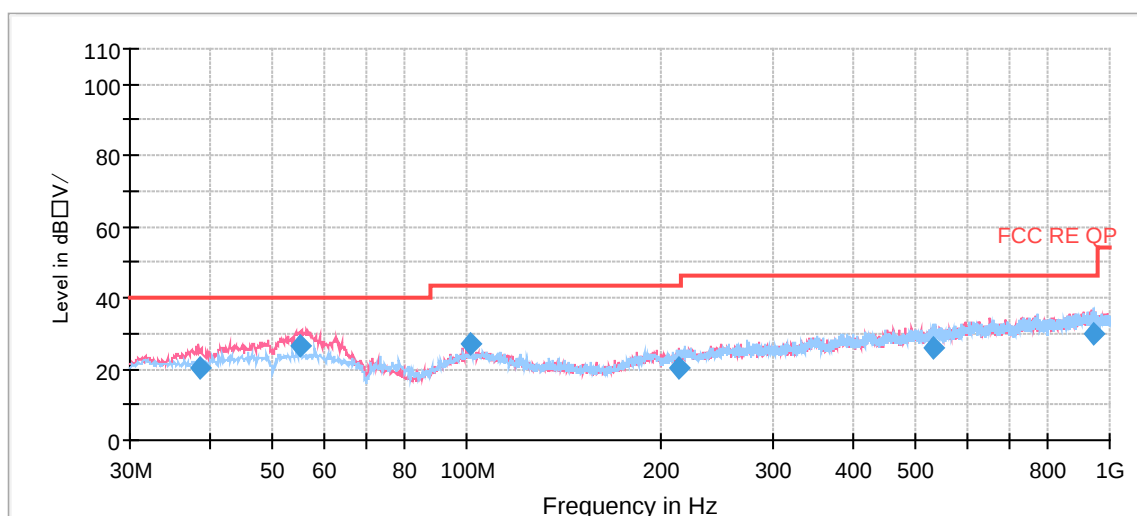
### Test result

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 and 26.5GHz-40GHz are more than 20dB below the limit are not reported.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11n (HT20) CH100 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A font ( Level in dB $\mu$ V/ ) in the test plot =(level in dB  $\mu$  V/m)

### Continuous TX mode:



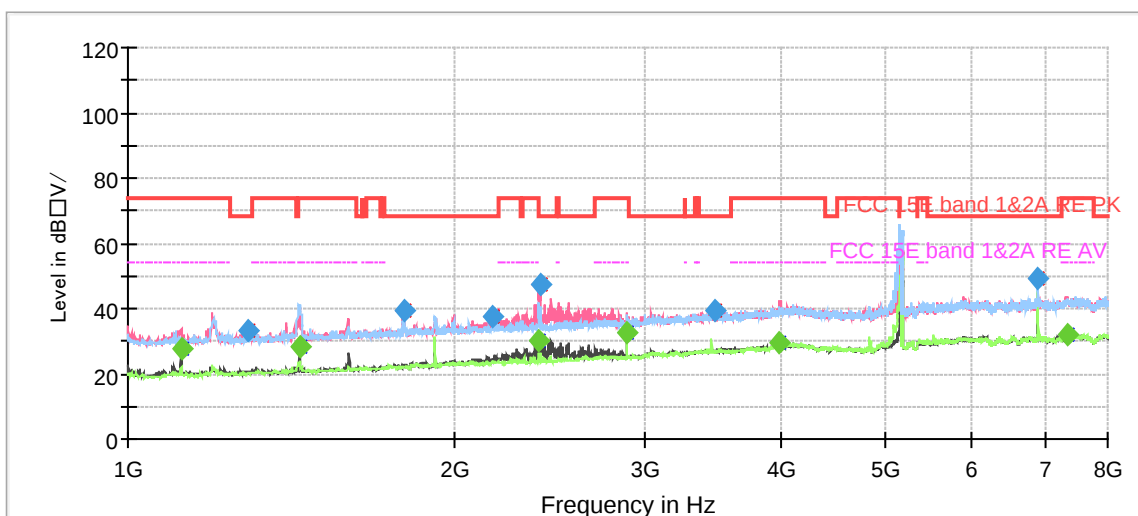
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dB $\mu$ V/m) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) | Margin (dB) | Limit (dB $\mu$ V/m) |
|-----------------|---------------------------|-------------|--------------|---------------|---------------------|-------------|----------------------|
| 38.486250       | 20.15                     | 100.0       | V            | 30.0          | -5.4                | 19.85       | 40.00                |
| 55.062500       | 26.28                     | 100.0       | V            | 2.0           | -4.7                | 13.72       | 40.00                |
| 101.658750      | 26.99                     | 100.0       | V            | 119.0         | -5.7                | 16.51       | 43.50                |
| 214.213750      | 20.28                     | 122.0       | V            | 203.0         | -6.2                | 23.22       | 43.50                |
| 533.348750      | 26.04                     | 225.0       | H            | 102.0         | 0.9                 | 19.96       | 46.00                |
| 944.507500      | 30.13                     | 185.0       | H            | 179.0         | 6.0                 | 15.87       | 46.00                |

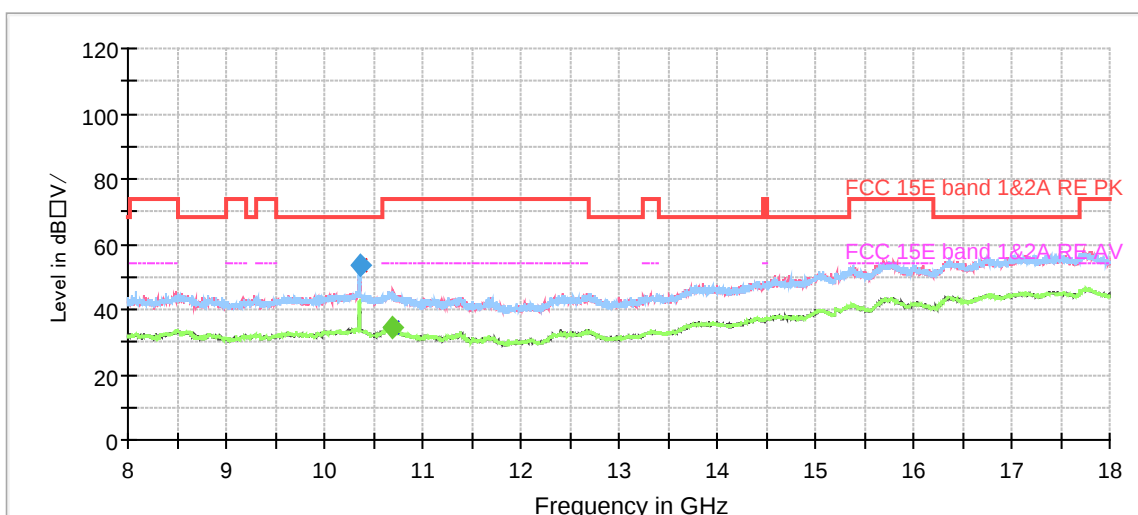
Remark: 1. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

2. Margin = Limit – Quasi-Peak

## 802.11a CH36



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

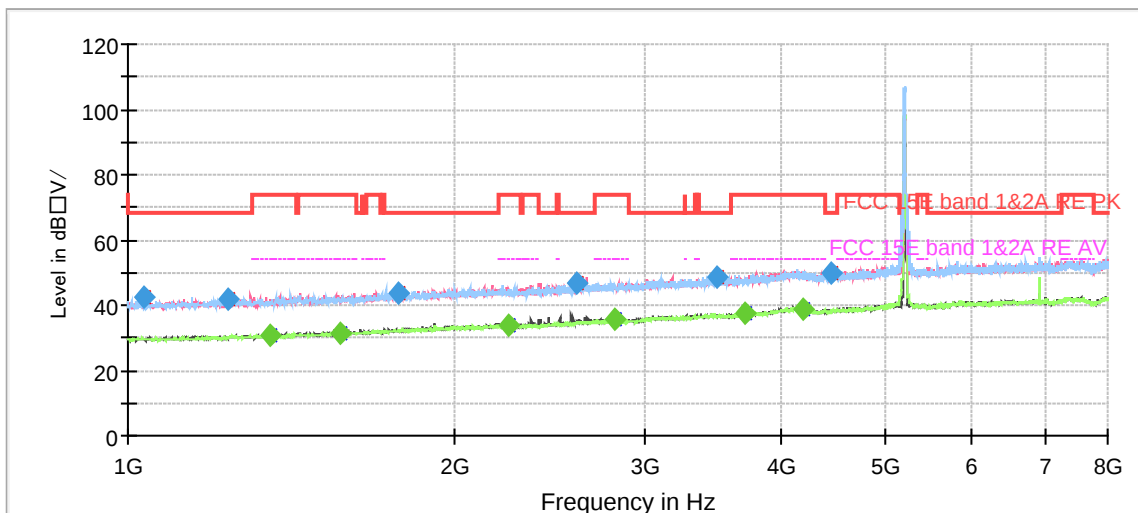


Radiates Emission from 8GHz to 18GHz

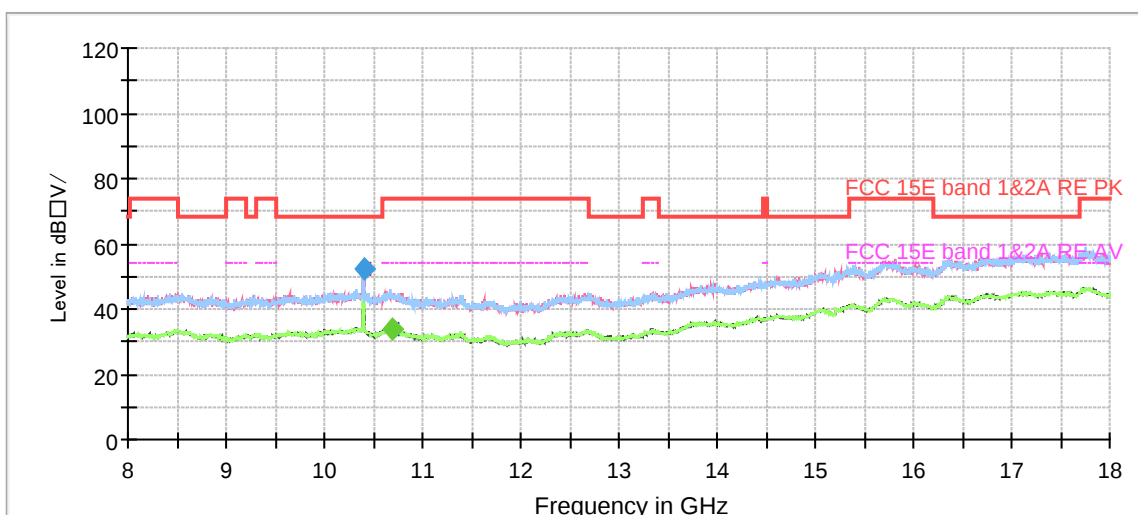
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1119.875000     | ---           | 27.78            | 54.00          | 26.22       | 200.0       | V            | 314.0         | -17.7               |
| 1290.500000     | 33.27         | ---              | 68.20          | 34.93       | 100.0       | V            | 311.0         | -16.8               |
| 1439.250000     | ---           | 28.40            | 54.00          | 25.60       | 100.0       | V            | 124.0         | -15.9               |
| 1797.125000     | 39.57         | ---              | 68.20          | 28.63       | 200.0       | V            | 0.0           | -13.8               |
| 2169.875000     | 37.38         | ---              | 68.20          | 30.82       | 100.0       | V            | 328.0         | -11.9               |
| 2389.500000     | ---           | 30.26            | 54.00          | 23.74       | 200.0       | V            | 223.0         | -11.2               |
| 2397.375000     | 47.64         | ---              | 68.20          | 20.56       | 200.0       | V            | 236.0         | -11.2               |
| 2879.500000     | ---           | 32.32            | 54.00          | 21.68       | 100.0       | H            | 93.0          | -8.8                |
| 3469.250000     | 39.63         | ---              | 68.20          | 28.57       | 100.0       | V            | 148.0         | -6.4                |
| 3989.875000     | ---           | 29.28            | 54.00          | 24.72       | 200.0       | V            | 0.0           | -3.9                |
| 6907.125000     | 49.21         | ---              | 68.20          | 18.99       | 100.0       | H            | 68.0          | 0.7                 |
| 7342.000000     | ---           | 32.23            | 54.00          | 21.77       | 200.0       | H            | 340.0         | 1.4                 |

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

# 802.11a CH40



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



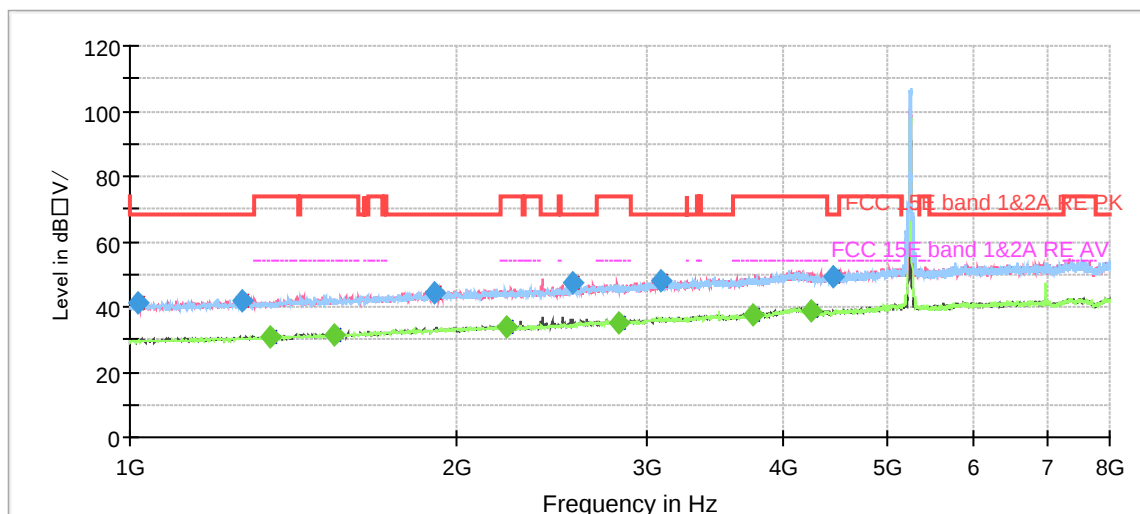
Radiates Emission from 8GHz to 18GHz



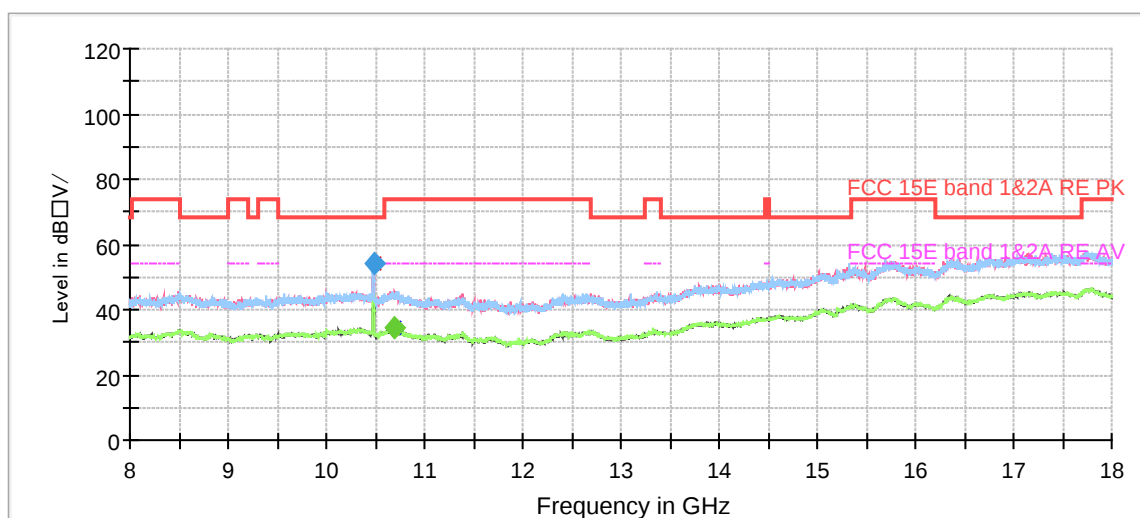
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1033.250000     | 42.34         | ---              | 68.20          | 25.86       | 200.0       | V            | 110.0         | -8.2                |
| 1238.875000     | 41.73         | ---              | 68.20          | 26.47       | 100.0       | V            | 302.0         | -7.1                |
| 1355.250000     | ---           | 30.81            | 54.00          | 23.19       | 200.0       | V            | 0.0           | -6.5                |
| 1572.250000     | ---           | 31.21            | 54.00          | 22.79       | 200.0       | V            | 6.0           | -5.2                |
| 1773.500000     | 43.94         | ---              | 68.20          | 24.26       | 200.0       | H            | 80.0          | -4.0                |
| 2240.750000     | ---           | 33.87            | 54.00          | 20.13       | 200.0       | V            | 6.0           | -1.7                |
| 2587.250000     | 46.58         | ---              | 68.20          | 21.62       | 100.0       | V            | 191.0         | -0.1                |
| 2807.750000     | ---           | 35.47            | 54.00          | 18.53       | 100.0       | V            | 152.0         | 1.0                 |
| 3491.125000     | 48.72         | ---              | 68.20          | 19.48       | 100.0       | V            | 117.0         | 3.7                 |
| 3711.625000     | ---           | 37.75            | 54.00          | 16.25       | 100.0       | V            | 152.0         | 4.5                 |
| 4192.000000     | ---           | 38.99            | 54.00          | 15.01       | 100.0       | V            | 355.0         | 6.5                 |
| 4445.750000     | 49.65         | ---              | 68.20          | 18.55       | 200.0       | H            | 271.0         | 6.3                 |

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

# 802.11a CH48



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



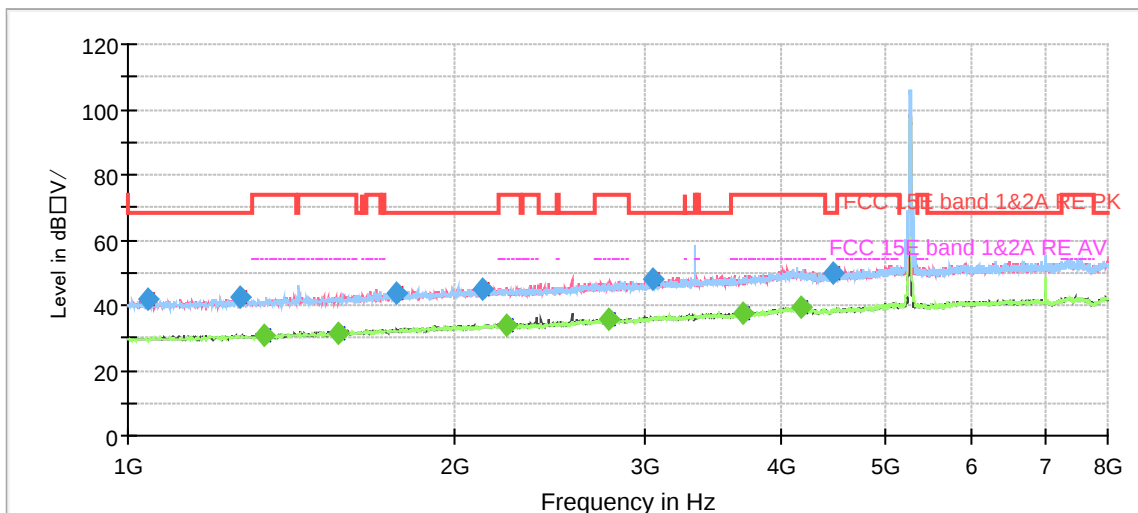
Radiates Emission from 8GHz to 18GHz



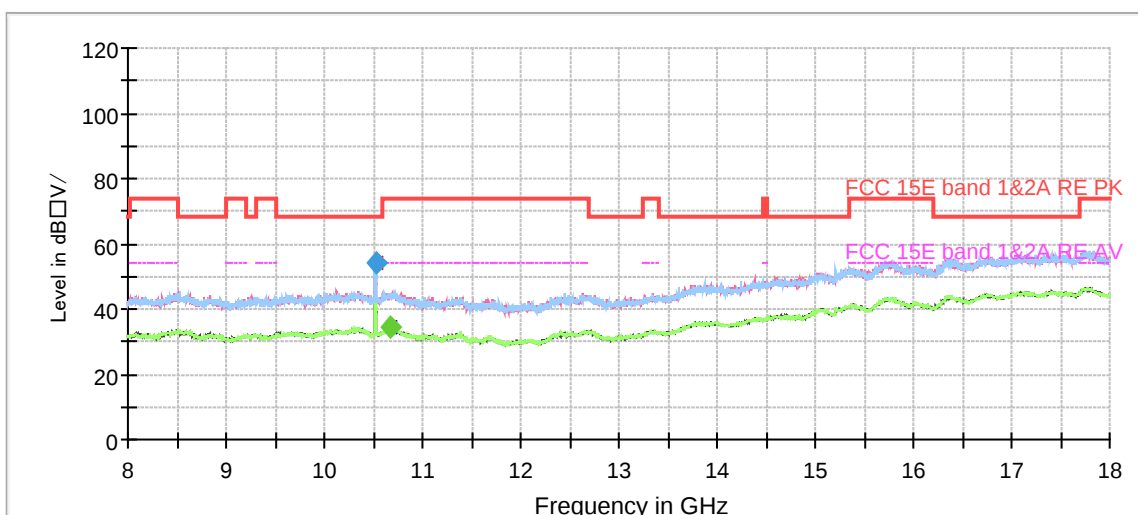
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1019.250000     | 41.00         | ---              | 68.20          | 27.20       | 200.0       | V            | 249.0         | -8.4                |
| 1268.625000     | 41.74         | ---              | 68.20          | 26.46       | 100.0       | H            | 0.0           | -6.9                |
| 1345.625000     | ---           | 30.65            | 54.00          | 23.35       | 200.0       | V            | 96.0          | -6.5                |
| 1545.125000     | ---           | 31.55            | 54.00          | 22.45       | 200.0       | V            | 78.0          | -5.3                |
| 1908.250000     | 44.16         | ---              | 68.20          | 24.04       | 200.0       | V            | 131.0         | -3.3                |
| 2223.250000     | ---           | 33.91            | 54.00          | 20.09       | 200.0       | V            | 191.0         | -1.7                |
| 2555.750000     | 47.29         | ---              | 68.20          | 20.91       | 200.0       | V            | 32.0          | -0.3                |
| 2817.375000     | ---           | 35.11            | 54.00          | 18.89       | 200.0       | V            | 114.0         | 1.0                 |
| 3079.875000     | 47.86         | ---              | 68.20          | 20.34       | 200.0       | V            | 314.0         | 2.4                 |
| 3753.625000     | ---           | 37.75            | 54.00          | 16.25       | 200.0       | V            | 301.0         | 4.7                 |
| 4236.625000     | ---           | 38.90            | 54.00          | 15.10       | 100.0       | V            | 352.0         | 6.3                 |
| 4456.250000     | 49.53         | ---              | 68.20          | 18.67       | 100.0       | V            | 219.0         | 6.4                 |

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

# 802.11a CH52



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



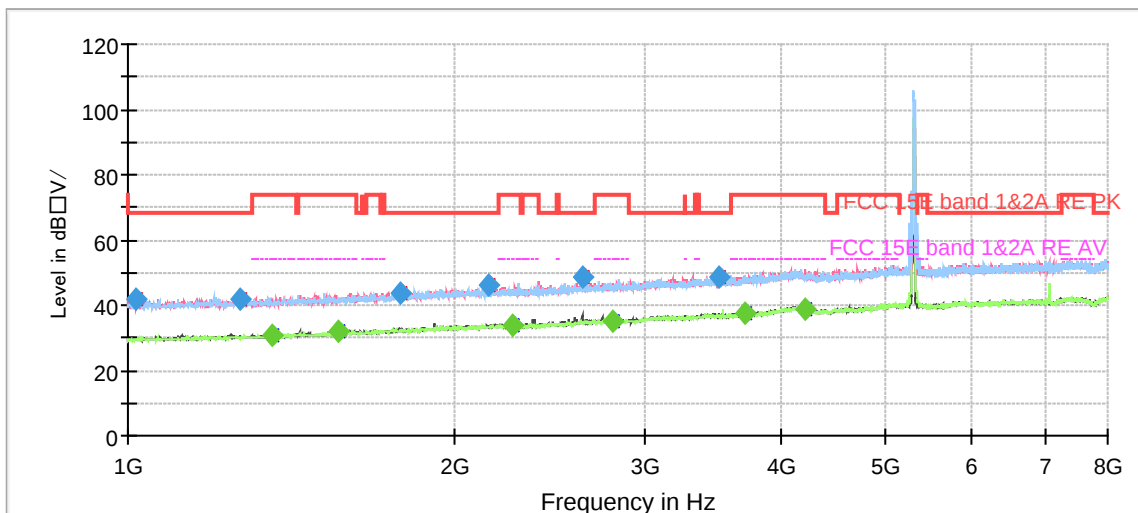
Radiates Emission from 8GHz to 18GHz



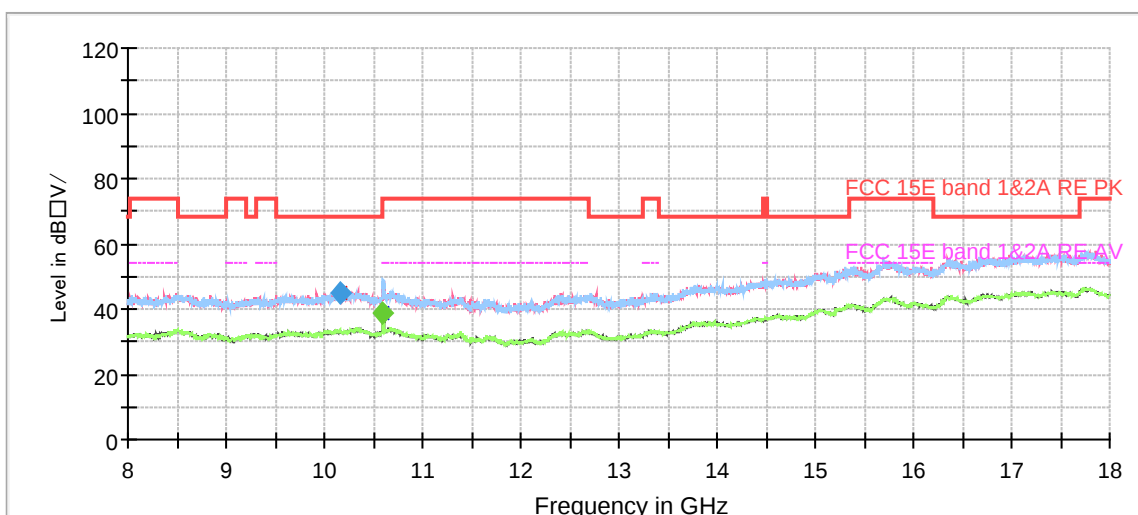
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1043.750000     | 41.58         | ---              | 68.20          | 26.62       | 100.0       | V            | 162.0         | -8.2                |
| 1271.250000     | 42.67         | ---              | 68.20          | 25.53       | 100.0       | H            | 96.0          | -6.9                |
| 1337.750000     | ---           | 30.47            | 54.00          | 23.53       | 200.0       | V            | 160.0         | -6.6                |
| 1561.750000     | ---           | 31.67            | 54.00          | 22.33       | 200.0       | H            | 358.0         | -5.2                |
| 1764.750000     | 43.50         | ---              | 68.20          | 24.70       | 200.0       | V            | 47.0          | -4.1                |
| 2124.375000     | 44.90         | ---              | 68.20          | 23.30       | 100.0       | V            | 241.0         | -2.1                |
| 2229.375000     | ---           | 34.14            | 54.00          | 19.86       | 200.0       | V            | 28.0          | -1.7                |
| 2779.750000     | ---           | 35.41            | 54.00          | 18.59       | 100.0       | V            | 218.0         | 0.9                 |
| 3051.875000     | 47.94         | ---              | 68.20          | 20.26       | 200.0       | V            | 286.0         | 2.3                 |
| 3691.500000     | ---           | 37.54            | 54.00          | 16.46       | 100.0       | V            | 257.0         | 4.4                 |
| 4171.875000     | ---           | 39.31            | 54.00          | 14.69       | 200.0       | V            | 216.0         | 6.6                 |
| 4465.875000     | 50.11         | ---              | 68.20          | 18.09       | 200.0       | V            | 47.0          | 6.4                 |

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

# 802.11a CH60



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



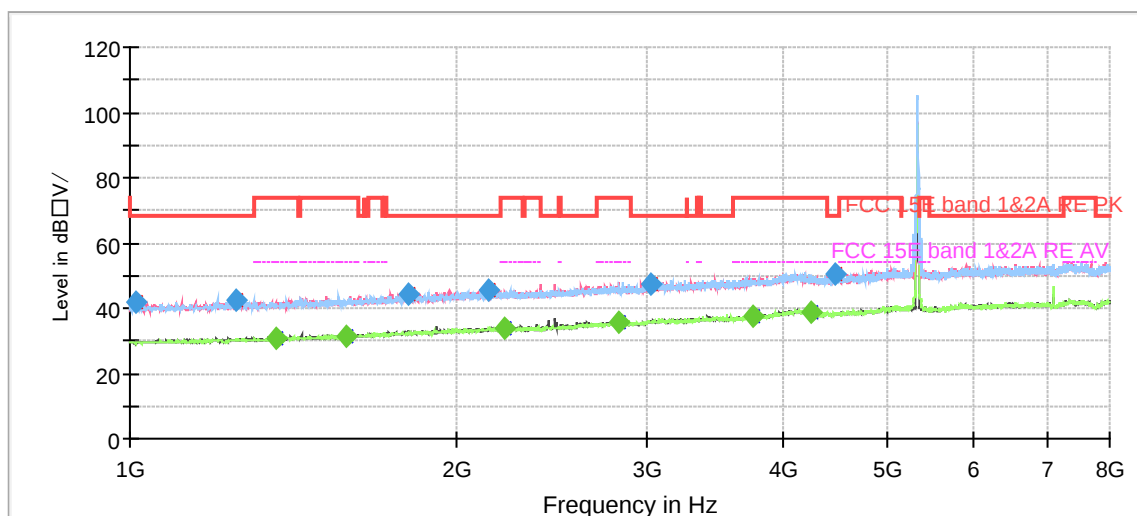
Radiates Emission from 8GHz to 18GHz



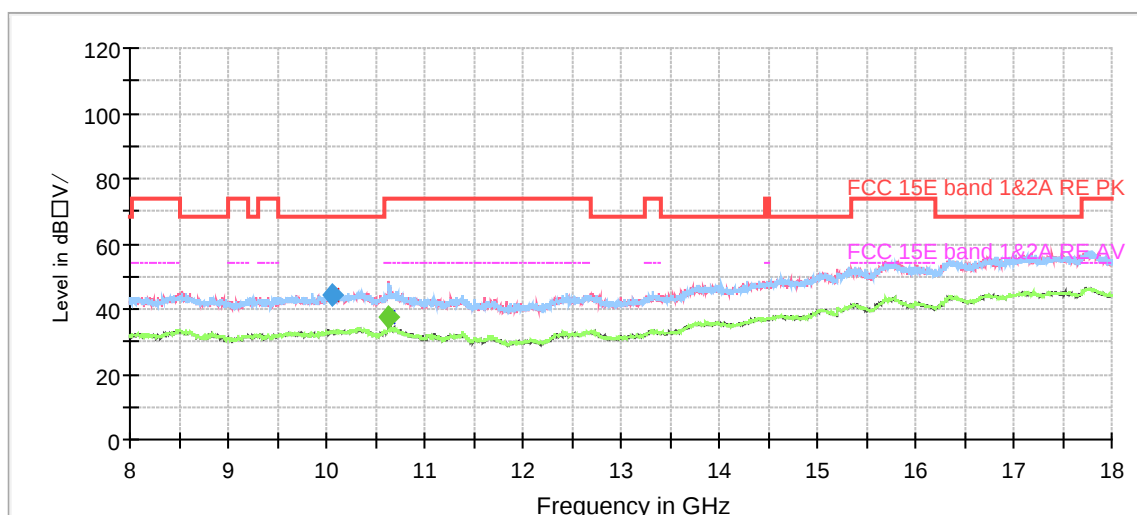
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1017.500000     | 41.74         | ---              | 68.20          | 26.46       | 200.0       | V            | 19.0          | -8.4                |
| 1266.875000     | 41.70         | ---              | 68.20          | 26.50       | 200.0       | V            | 1.0           | -6.9                |
| 1356.125000     | ---           | 30.81            | 54.00          | 23.19       | 200.0       | V            | 112.0         | -6.5                |
| 1563.500000     | ---           | 31.75            | 54.00          | 22.25       | 200.0       | V            | 94.0          | -5.2                |
| 1786.625000     | 43.53         | ---              | 68.20          | 24.67       | 200.0       | V            | 19.0          | -3.9                |
| 2146.250000     | 46.14         | ---              | 68.20          | 22.06       | 200.0       | H            | 276.0         | -2.0                |
| 2259.125000     | ---           | 34.04            | 54.00          | 19.96       | 200.0       | V            | 13.0          | -1.6                |
| 2620.500000     | 48.43         | ---              | 68.20          | 19.77       | 200.0       | V            | 24.0          | 0.2                 |
| 2800.750000     | ---           | 35.14            | 54.00          | 18.86       | 200.0       | V            | 118.0         | 0.9                 |
| 3512.125000     | 48.92         | ---              | 68.20          | 19.28       | 200.0       | H            | 220.0         | 3.8                 |
| 3708.125000     | ---           | 37.70            | 54.00          | 16.30       | 100.0       | V            | 76.0          | 4.5                 |
| 4216.500000     | ---           | 38.72            | 54.00          | 15.28       | 100.0       | V            | 273.0         | 6.4                 |

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

# 802.11a CH64



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



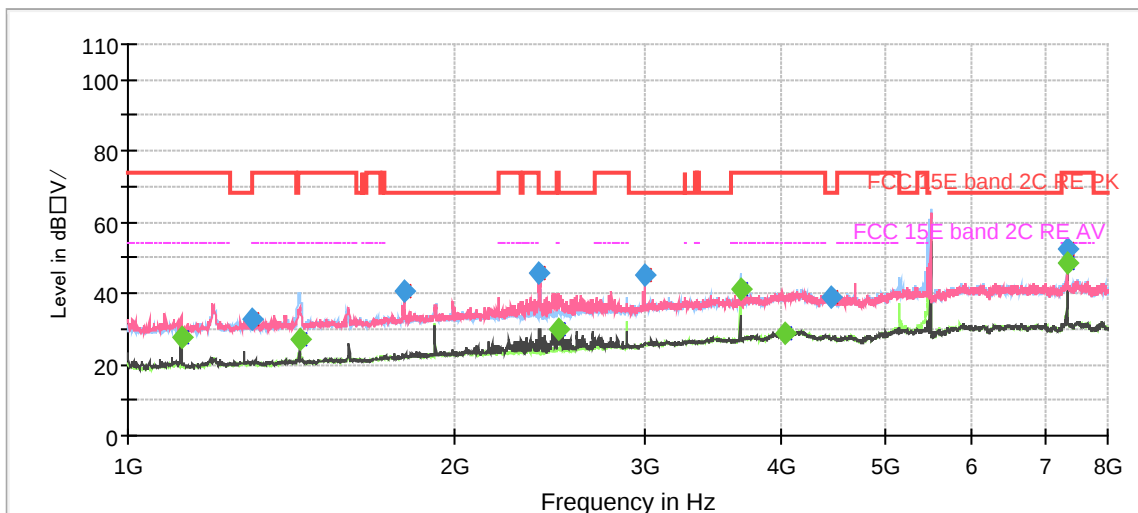
Radiates Emission from 8GHz to 18GHz



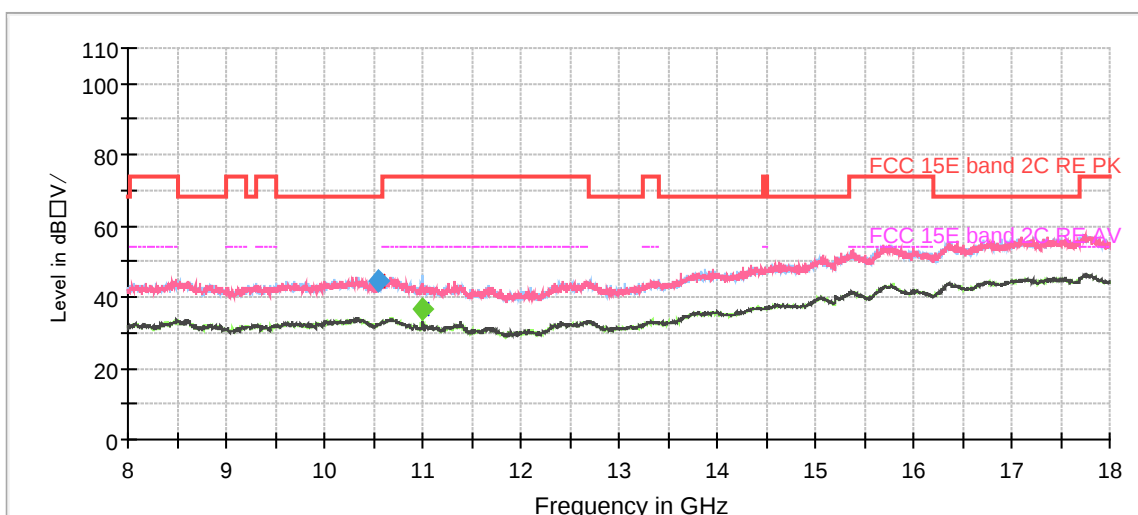
| Frequency<br>(MHz) | Peak<br>(dBuV/m) | Average<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Height<br>(cm) | Polarization | Azimuth<br>(deg) | Correct<br>Factor<br>(dB) |
|--------------------|------------------|---------------------|-------------------|----------------|----------------|--------------|------------------|---------------------------|
| 1014.000000        | 41.98            | ---                 | 68.20             | 26.22          | 200.0          | V            | 47.0             | -8.4                      |
| 1254.625000        | 42.33            | ---                 | 68.20             | 25.87          | 200.0          | H            | 348.0            | -7.0                      |
| 1364.000000        | ---              | 30.57               | 54.00             | 23.43          | 200.0          | V            | 238.0            | -6.4                      |
| 1583.625000        | ---              | 31.55               | 54.00             | 22.45          | 200.0          | V            | 88.0             | -5.1                      |
| 1804.125000        | 44.34            | ---                 | 68.20             | 23.86          | 200.0          | V            | 24.0             | -3.8                      |
| 2137.500000        | 45.73            | ---                 | 68.20             | 22.47          | 100.0          | V            | 267.0            | -2.0                      |
| 2218.875000        | ---              | 34.12               | 54.00             | 19.88          | 200.0          | V            | 42.0             | -1.7                      |
| 2816.500000        | ---              | 35.50               | 54.00             | 18.50          | 100.0          | V            | 336.0            | 1.0                       |
| 3022.125000        | 47.48            | ---                 | 68.20             | 20.72          | 200.0          | H            | 354.0            | 2.1                       |
| 3746.625000        | ---              | 37.56               | 54.00             | 16.44          | 100.0          | V            | 188.0            | 4.7                       |
| 4240.125000        | ---              | 38.72               | 54.00             | 15.28          | 200.0          | V            | 244.0            | 6.3                       |
| 4474.625000        | 50.19            | ---                 | 68.20             | 18.01          | 100.0          | V            | 93.0             | 6.4                       |

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

# 802.11a CH100



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



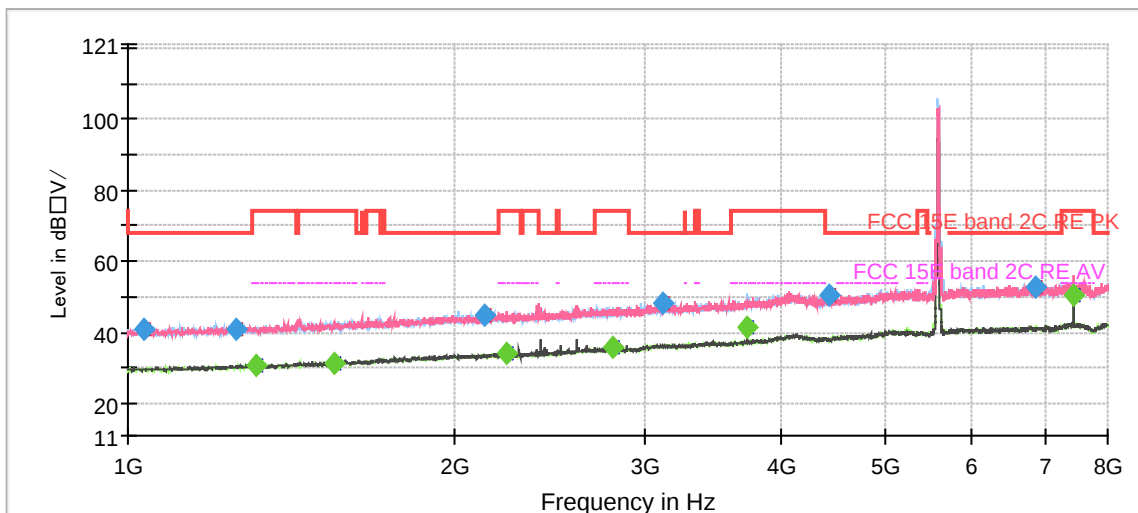
Radiates Emission from 8GHz to 18GHz



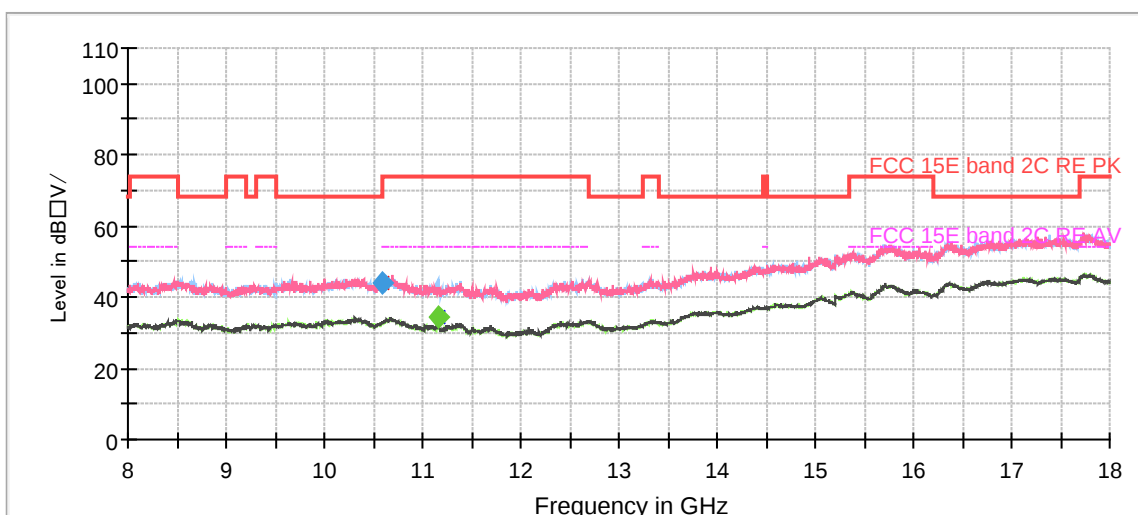
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1119.875000     | ---           | 27.49            | 54.00          | 26.51       | 100.0       | V            | 107.0         | -17.7               |
| 1299.250000     | 32.66         | ---              | 68.20          | 35.54       | 100.0       | V            | 261.0         | -16.8               |
| 1440.125000     | ---           | 27.00            | 54.00          | 27.00       | 100.0       | V            | 107.0         | -15.9               |
| 1795.375000     | 40.57         | ---              | 68.20          | 27.63       | 200.0       | V            | 256.0         | -13.8               |
| 2393.875000     | 45.89         | ---              | 68.20          | 22.31       | 200.0       | V            | 243.0         | -11.2               |
| 2493.625000     | ---           | 29.94            | 54.00          | 24.06       | 200.0       | V            | 249.0         | -10.7               |
| 2996.750000     | 44.85         | ---              | 68.20          | 23.35       | 100.0       | V            | 167.0         | -8.1                |
| 3666.125000     | ---           | 41.04            | 54.00          | 12.96       | 100.0       | H            | 73.0          | -5.7                |
| 4032.750000     | ---           | 28.56            | 54.00          | 25.44       | 100.0       | H            | 73.0          | -3.6                |
| 4456.250000     | 39.17         | ---              | 68.20          | 29.03       | 100.0       | H            | 170.0         | -3.6                |
| 7333.250000     | 52.25         | ---              | 74.00          | 21.75       | 100.0       | H            | 346.0         | 1.4                 |
| 7333.250000     | ---           | 48.57            | 54.00          | 5.43        | 100.0       | H            | 346.0         | 1.4                 |

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

# 802.11a CH116



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

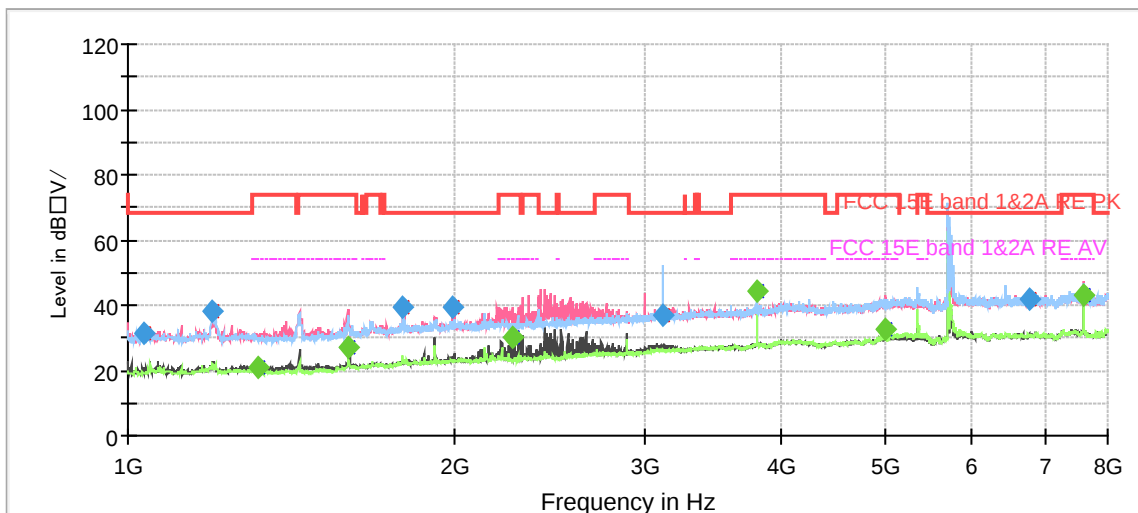


Radiates Emission from 8GHz to 18GHz

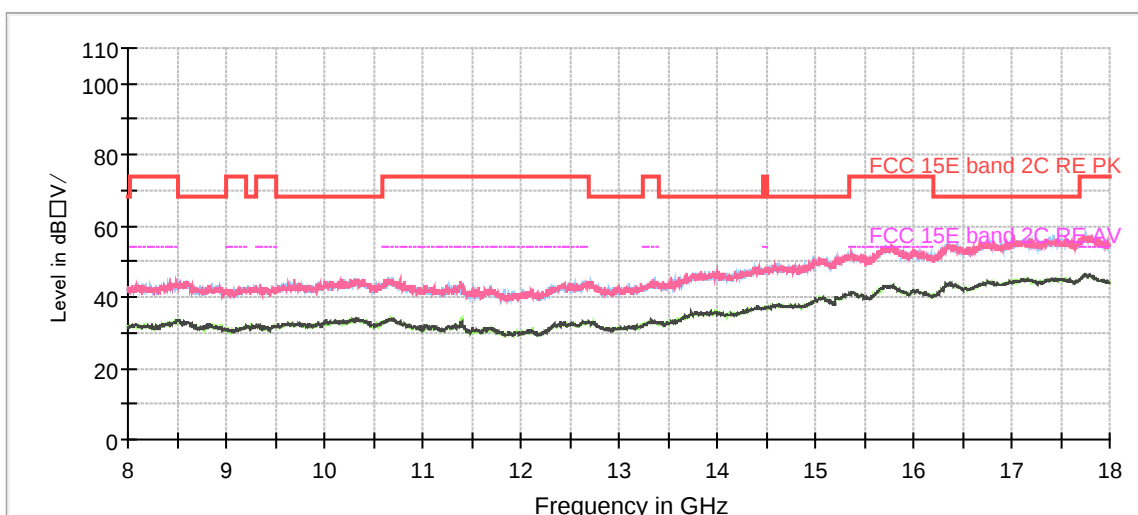
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1036.750000     | 40.83         | ---              | 68.20          | 27.37       | 100.0       | V            | 69.0          | -8.2                |
| 1255.500000     | 41.12         | ---              | 68.20          | 27.08       | 200.0       | V            | 53.0          | -7.0                |
| 1315.000000     | ---           | 30.57            | 54.00          | 23.43       | 100.0       | V            | 11.0          | -6.7                |
| 1547.750000     | ---           | 31.19            | 54.00          | 22.81       | 100.0       | H            | 116.0         | -5.3                |
| 2135.750000     | 45.12         | ---              | 68.20          | 23.08       | 200.0       | V            | 328.0         | -2.0                |
| 2238.125000     | ---           | 33.85            | 54.00          | 20.15       | 100.0       | H            | 207.0         | -1.7                |
| 2804.250000     | ---           | 35.66            | 54.00          | 18.34       | 100.0       | H            | 116.0         | 0.9                 |
| 3115.750000     | 48.21         | ---              | 68.20          | 19.99       | 200.0       | V            | 24.0          | 2.5                 |
| 3719.500000     | ---           | 41.31            | 54.00          | 12.69       | 200.0       | H            | 185.0         | 4.6                 |
| 4423.000000     | 50.39         | ---              | 68.20          | 17.81       | 100.0       | H            | 167.0         | 6.3                 |
| 6863.375000     | 52.63         | ---              | 68.20          | 15.57       | 200.0       | V            | 224.0         | 10.6                |
| 7440.000000     | ---           | 50.58            | 54.00          | 3.42        | 200.0       | V            | 276.0         | 11.5                |

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

# 802.11a CH140



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

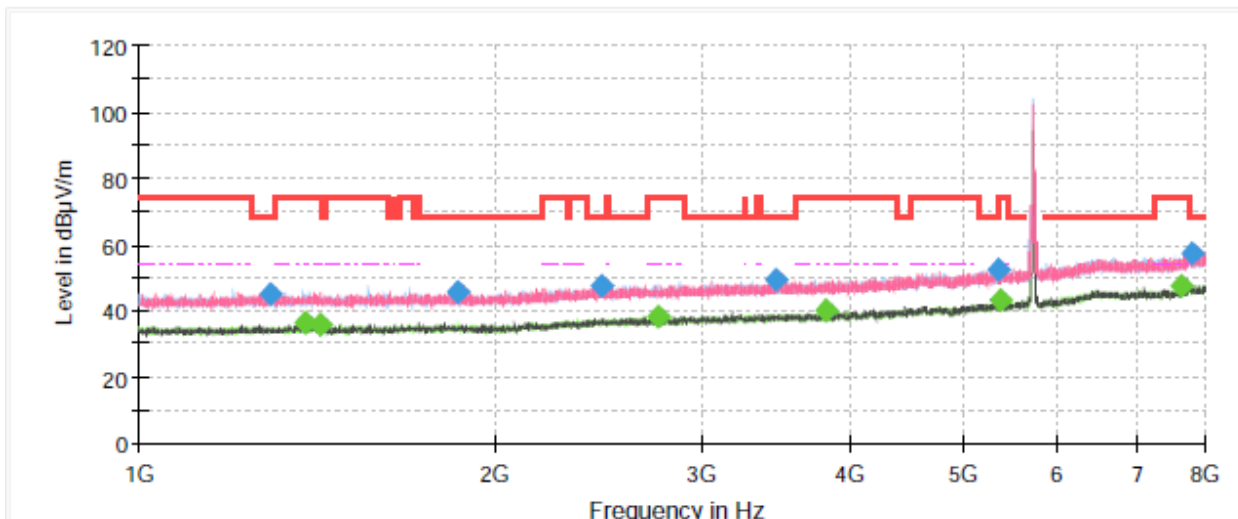


Radiates Emission from 8GHz to 18GHz

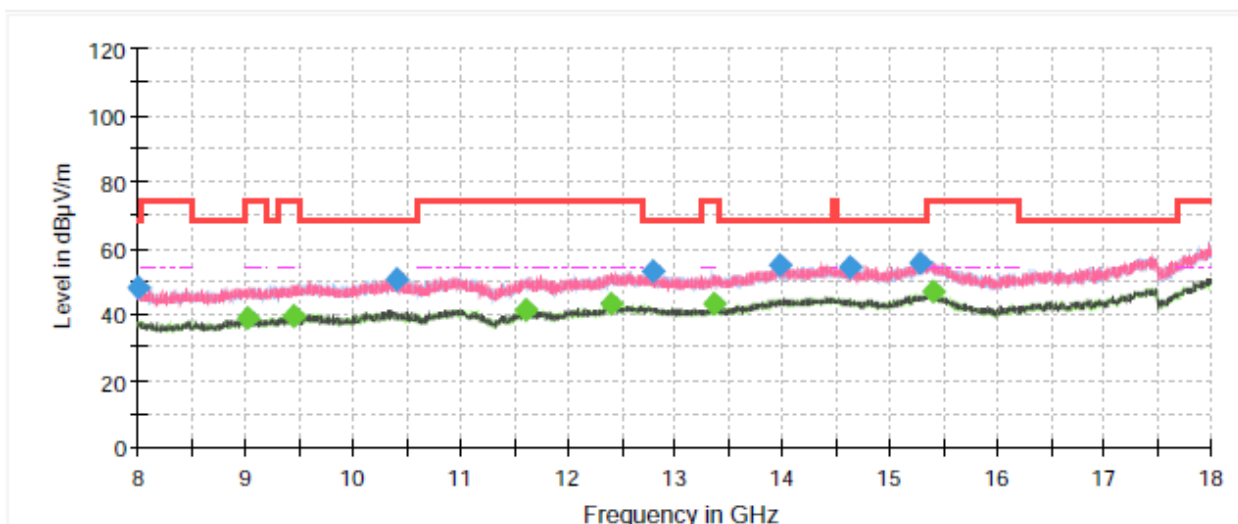
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1034.125000     | 31.53         | ---              | 68.20          | 36.67       | 200.0       | V            | 0.0           | -18.2               |
| 1197.750000     | 38.32         | ---              | 68.20          | 29.88       | 100.0       | H            | 128.0         | -17.3               |
| 1316.750000     | ---           | 20.78            | 54.00          | 33.22       | 100.0       | V            | 109.0         | -16.7               |
| 1599.375000     | ---           | 26.77            | 54.00          | 27.23       | 200.0       | V            | 83.0          | -15.0               |
| 1793.625000     | 39.40         | ---              | 68.20          | 28.80       | 200.0       | H            | 54.0          | -13.9               |
| 1994.875000     | 39.21         | ---              | 68.20          | 28.99       | 200.0       | V            | 318.0         | -12.7               |
| 2264.375000     | ---           | 30.11            | 54.00          | 23.89       | 200.0       | V            | 20.0          | -11.6               |
| 3115.750000     | 36.96         | ---              | 68.20          | 31.24       | 100.0       | H            | 110.0         | -7.5                |
| 3800.000000     | ---           | 44.26            | 54.00          | 9.74        | 100.0       | V            | 115.0         | -5.0                |
| 4996.125000     | ---           | 32.62            | 54.00          | 21.38       | 100.0       | H            | 204.0         | -1.4                |
| 6767.125000     | 42.02         | ---              | 68.20          | 26.18       | 100.0       | V            | 138.0         | 0.5                 |
| 7600.125000     | ---           | 42.95            | 54.00          | 11.05       | 200.0       | V            | 272.0         | 1.4                 |

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

## 802.11a CH144



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

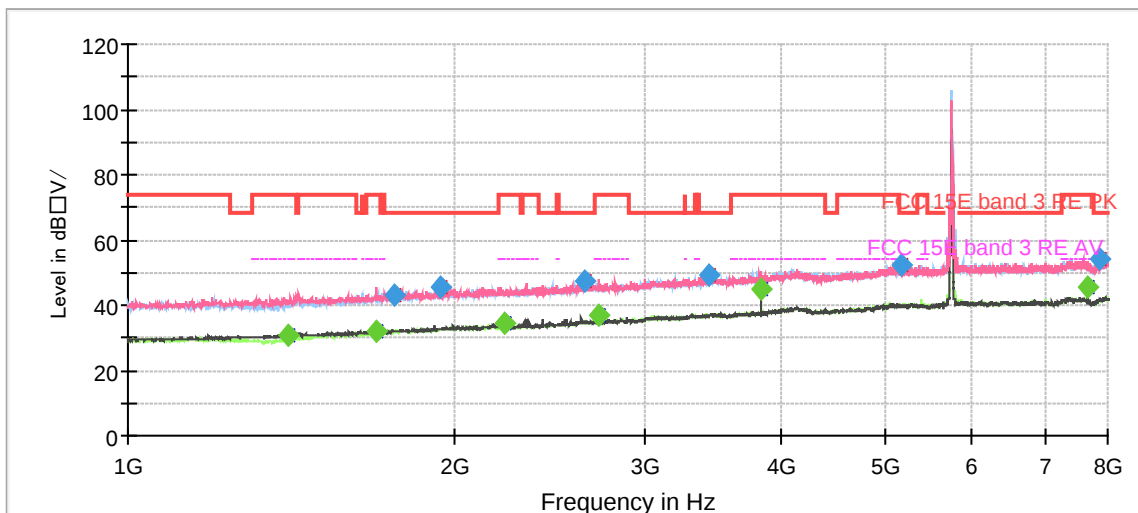


Radiates Emission from 8GHz to 18GHz

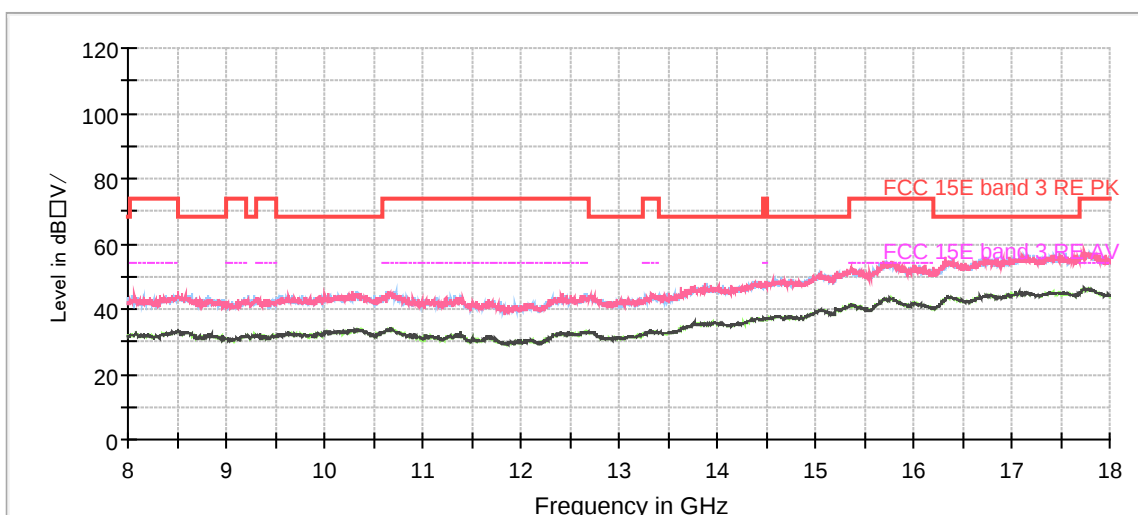
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1292.133333     | 45.12         | ---              | 68.20          | 23.08       | 100.0       | H            | 208.0         | -9.8                |
| 1378.933333     | ---           | 36.13            | 54.00          | 17.87       | 200.0       | H            | 104.0         | -9.6                |
| 1423.500000     | ---           | 35.61            | 54.00          | 18.39       | 200.0       | V            | 73.0          | -9.3                |
| 1862.866667     | 45.31         | ---              | 68.20          | 22.89       | 200.0       | V            | 359.0         | -8.4                |
| 2460.666667     | 47.69         | ---              | 68.20          | 20.51       | 100.0       | H            | 287.0         | -6.3                |
| 2749.766667     | ---           | 38.05            | 54.00          | 15.95       | 200.0       | H            | 92.0          | -6.1                |
| 3464.933333     | 49.19         | ---              | 68.20          | 19.01       | 200.0       | H            | 52.0          | -4.7                |
| 3813.300000     | ---           | 40.28            | 54.00          | 13.72       | 200.0       | V            | 346.0         | -4.0                |
| 5336.733333     | 52.60         | ---              | 68.20          | 15.60       | 100.0       | H            | 325.0         | 1.2                 |
| 5367.533333     | ---           | 42.83            | 54.00          | 11.17       | 200.0       | V            | 208.0         | 1.3                 |
| 7626.900000     | ---           | 47.52            | 54.00          | 6.48        | 100.0       | H            | 287.0         | 6.1                 |
| 7784.400000     | 57.20         | ---              | 68.20          | 11.00       | 100.0       | H            | 68.0          | 6.5                 |

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

# 802.11a CH149



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

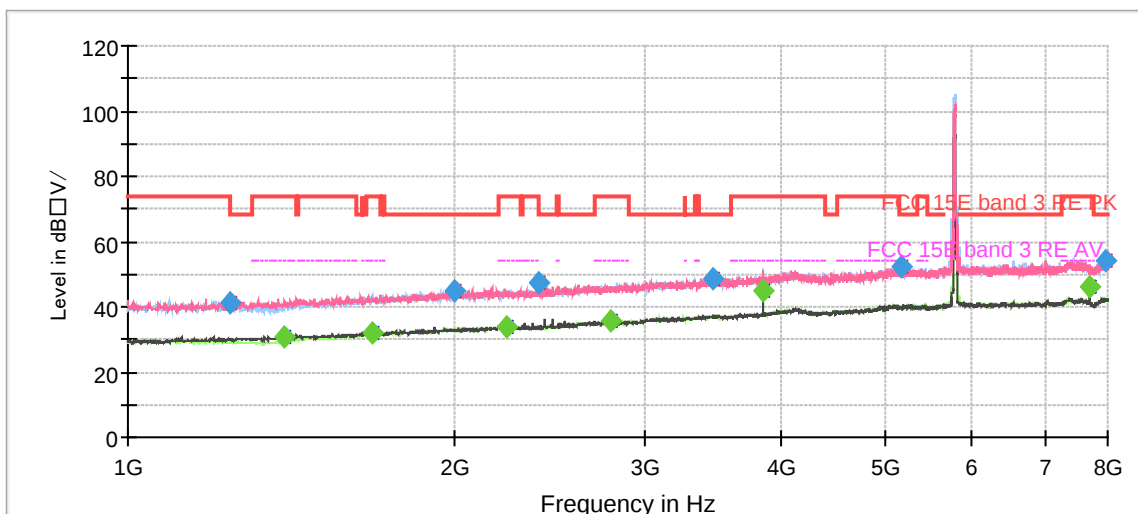


Radiates Emission from 8GHz to 18GHz

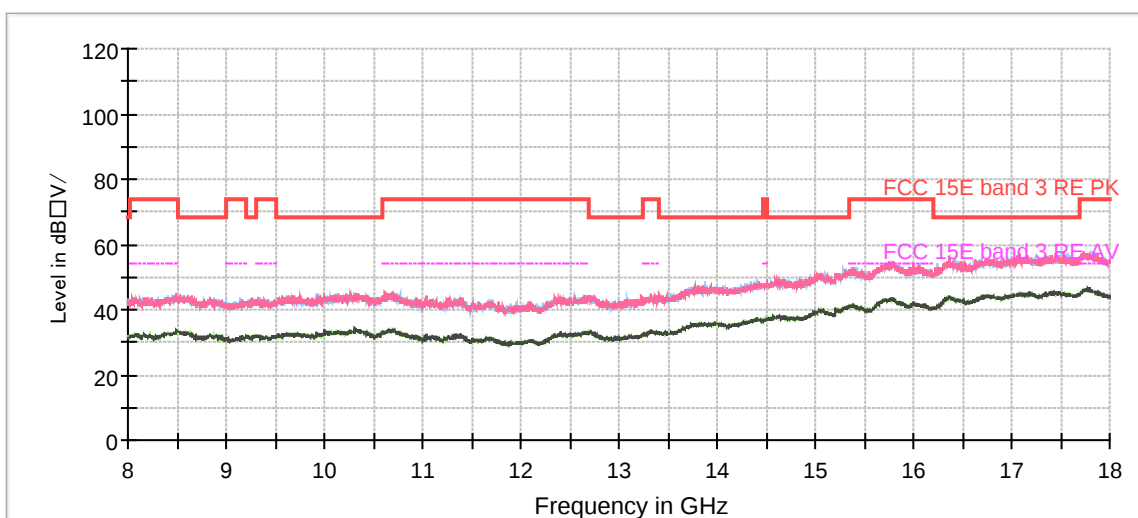
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1405.125000     | ---           | 31.04            | 54.00          | 22.96       | 200.0       | V            | 157.0         | -6.1                |
| 1696.500000     | ---           | 32.11            | 54.00          | 21.89       | 100.0       | V            | 113.0         | -4.5                |
| 1761.250000     | 42.91         | ---              | 68.20          | 25.29       | 200.0       | H            | 0.0           | -4.1                |
| 1943.250000     | 45.67         | ---              | 68.20          | 22.53       | 100.0       | V            | 198.0         | -3.0                |
| 2225.000000     | ---           | 34.30            | 54.00          | 19.70       | 200.0       | V            | 17.0          | -1.7                |
| 2636.250000     | 47.18         | ---              | 68.20          | 21.02       | 200.0       | V            | 11.0          | 0.3                 |
| 2718.500000     | ---           | 36.87            | 54.00          | 17.13       | 200.0       | V            | 34.0          | 0.6                 |
| 3439.500000     | 48.97         | ---              | 68.20          | 19.23       | 200.0       | V            | 75.0          | 3.6                 |
| 3829.750000     | ---           | 45.01            | 54.00          | 8.99        | 100.0       | V            | 119.0         | 5.1                 |
| 5166.750000     | 52.00         | ---              | 68.20          | 16.20       | 200.0       | H            | 31.0          | 8.7                 |
| 7660.500000     | ---           | 45.80            | 54.00          | 8.20        | 200.0       | V            | 179.0         | 11.4                |
| 7860.875000     | 54.43         | ---              | 68.20          | 13.77       | 100.0       | V            | 352.0         | 11.6                |

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

# 802.11a CH157



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

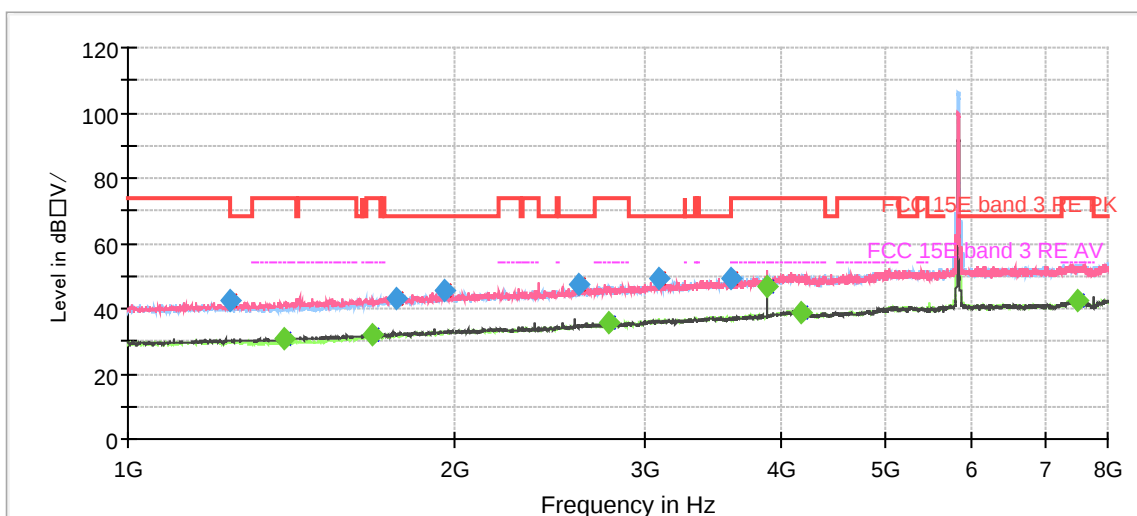


Radiates Emission from 8GHz to 18GHz

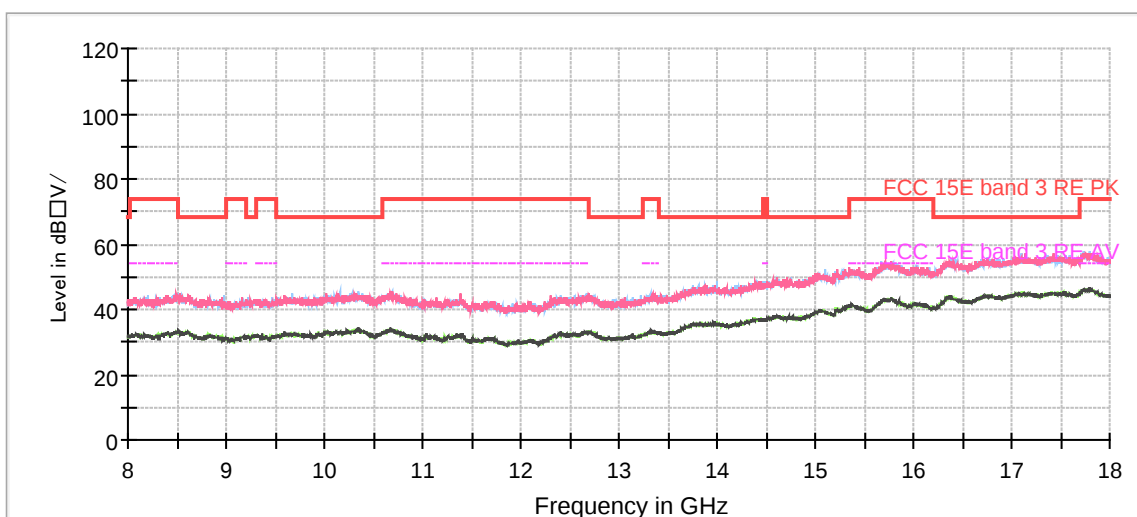
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1241.500000     | 41.53         | ---              | 68.20          | 26.67       | 200.0       | V            | 0.0           | -7.1                |
| 1392.000000     | ---           | 30.86            | 54.00          | 23.14       | 200.0       | V            | 200.0         | -6.2                |
| 1679.000000     | ---           | 32.15            | 54.00          | 21.85       | 200.0       | V            | 344.0         | -4.6                |
| 1999.250000     | 45.13         | ---              | 68.20          | 23.07       | 100.0       | V            | 204.0         | -2.7                |
| 2229.375000     | ---           | 33.64            | 54.00          | 20.36       | 100.0       | V            | 0.0           | -1.7                |
| 2392.125000     | 47.36         | ---              | 68.20          | 20.84       | 200.0       | V            | 12.0          | -1.2                |
| 2787.625000     | ---           | 35.64            | 54.00          | 18.36       | 100.0       | V            | 152.0         | 0.9                 |
| 3461.375000     | 48.78         | ---              | 68.20          | 19.42       | 100.0       | H            | 257.0         | 3.6                 |
| 3856.875000     | ---           | 44.85            | 54.00          | 9.15        | 100.0       | V            | 117.0         | 5.3                 |
| 5162.375000     | 52.18         | ---              | 68.20          | 16.02       | 100.0       | V            | 337.0         | 8.7                 |
| 7713.875000     | ---           | 46.21            | 54.00          | 7.79        | 200.0       | V            | 183.0         | 11.3                |
| 7981.625000     | 54.20         | ---              | 68.20          | 14.00       | 200.0       | H            | 33.0          | 11.9                |

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

## 802.11a CH65



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



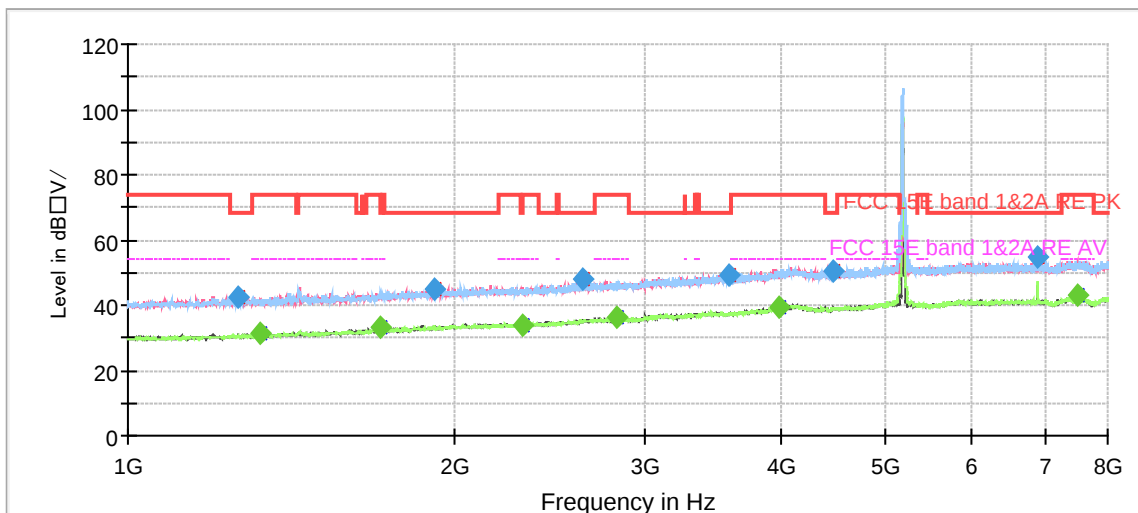
Radiates Emission from 8GHz to 18GHz



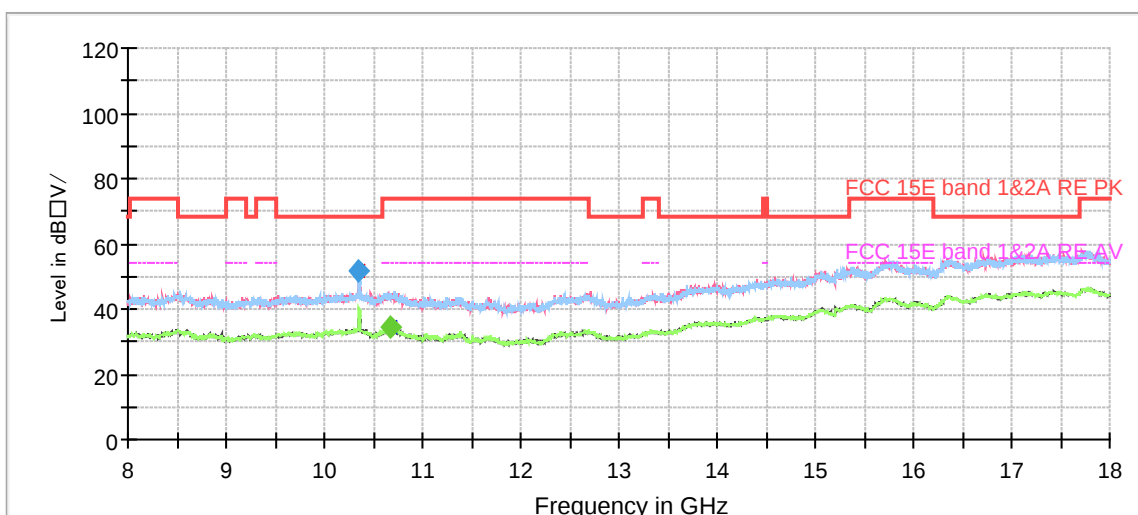
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1240.625000     | 42.23         | ---              | 68.20          | 25.97       | 200.0       | H            | 269.0         | -7.1                |
| 1393.750000     | ---           | 30.93            | 54.00          | 23.07       | 200.0       | V            | 262.0         | -6.2                |
| 1680.750000     | ---           | 32.18            | 54.00          | 21.82       | 100.0       | V            | 212.0         | -4.6                |
| 1767.375000     | 42.95         | ---              | 68.20          | 25.25       | 200.0       | H            | 153.0         | -4.0                |
| 1954.625000     | 45.82         | ---              | 68.20          | 22.38       | 200.0       | V            | 267.0         | -2.9                |
| 2602.125000     | 47.26         | ---              | 68.20          | 20.94       | 200.0       | V            | 24.0          | 0.0                 |
| 2774.500000     | ---           | 35.57            | 54.00          | 18.43       | 200.0       | V            | 107.0         | 0.8                 |
| 3081.625000     | 49.09         | ---              | 68.20          | 19.11       | 200.0       | V            | 209.0         | 2.4                 |
| 3590.000000     | 49.17         | ---              | 68.20          | 19.03       | 200.0       | H            | 129.0         | 4.0                 |
| 3883.125000     | ---           | 46.52            | 54.00          | 7.48        | 100.0       | V            | 116.0         | 5.4                 |
| 4171.875000     | ---           | 38.78            | 54.00          | 15.22       | 100.0       | H            | 103.0         | 6.6                 |
| 7505.625000     | ---           | 42.34            | 54.00          | 11.66       | 100.0       | H            | 147.0         | 11.5                |

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

# 802.11n (HT20) CH36



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



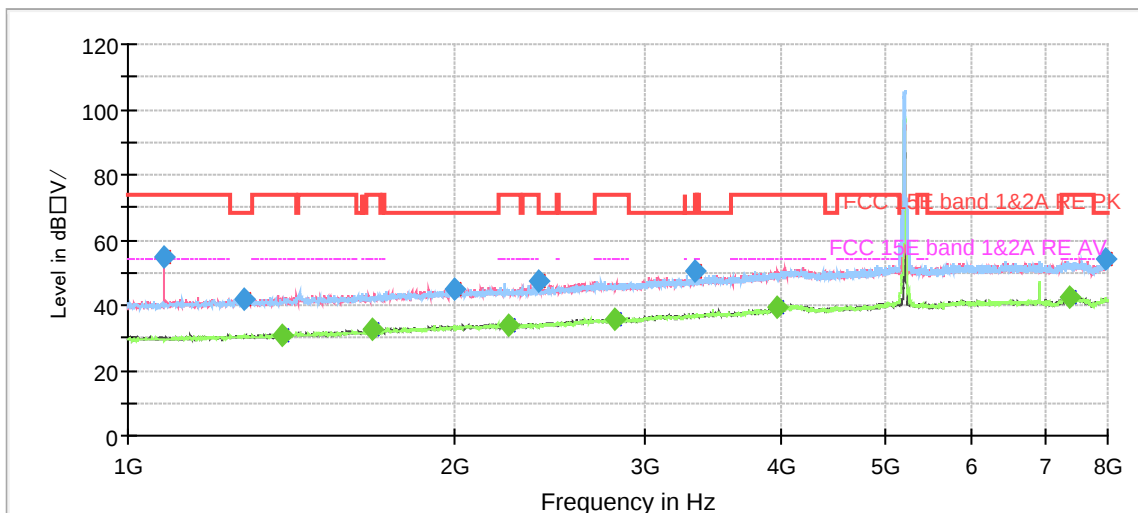
Radiates Emission from 8GHz to 18GHz



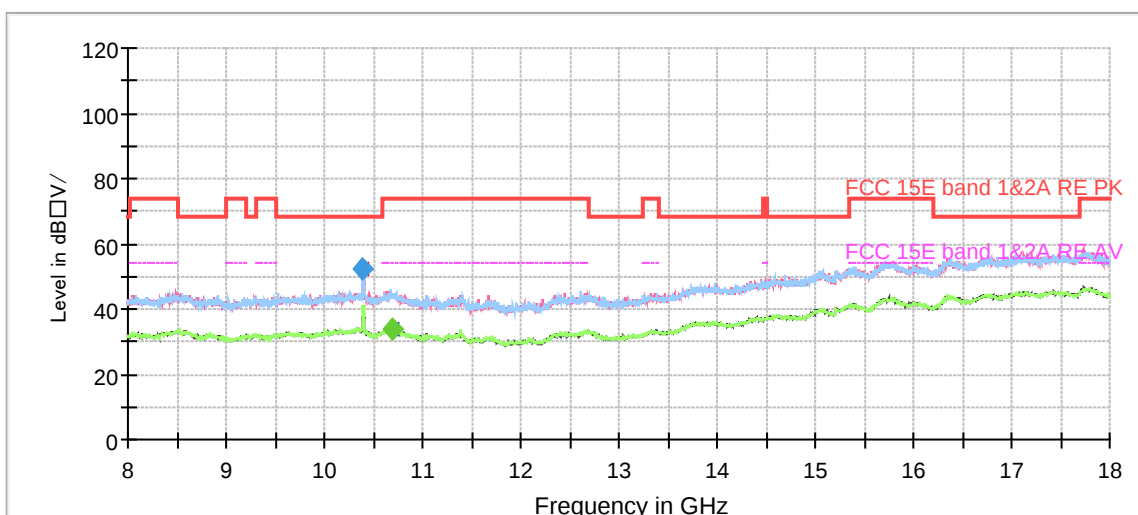
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1261.625000     | 42.75         | ---              | 68.20          | 25.45       | 100.0       | H            | 56.0          | -6.9                |
| 1325.500000     | ---           | 31.43            | 54.00          | 22.57       | 100.0       | V            | 260.0         | -6.6                |
| 1707.875000     | ---           | 32.95            | 54.00          | 21.05       | 100.0       | H            | 239.0         | -4.4                |
| 1918.750000     | 45.04         | ---              | 68.20          | 23.16       | 100.0       | V            | 0.0           | -3.2                |
| 2311.625000     | ---           | 33.82            | 54.00          | 20.18       | 200.0       | V            | 237.0         | -1.5                |
| 2624.875000     | 47.83         | ---              | 68.20          | 20.37       | 100.0       | H            | 0.0           | 0.2                 |
| 2822.625000     | ---           | 36.12            | 54.00          | 17.88       | 200.0       | H            | 84.0          | 1.0                 |
| 3588.250000     | 49.32         | ---              | 68.20          | 18.88       | 100.0       | H            | 172.0         | 4.0                 |
| 3978.500000     | ---           | 39.46            | 54.00          | 14.54       | 100.0       | V            | 149.0         | 6.0                 |
| 4468.500000     | 50.38         | ---              | 68.20          | 17.82       | 100.0       | H            | 161.0         | 6.4                 |
| 6908.000000     | 54.58         | ---              | 68.20          | 13.62       | 100.0       | H            | 245.0         | 10.7                |
| 7491.625000     | ---           | 42.77            | 54.00          | 11.23       | 100.0       | V            | 61.0          | 11.5                |

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

# 802.11n (HT20) CH40



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

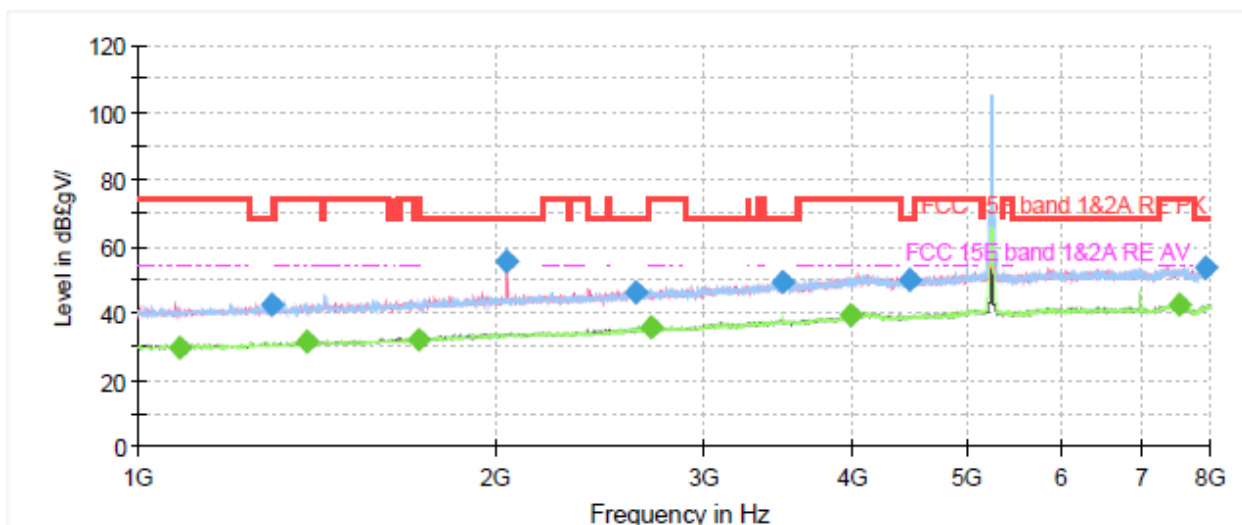


Radiates Emission from 8GHz to 18GHz

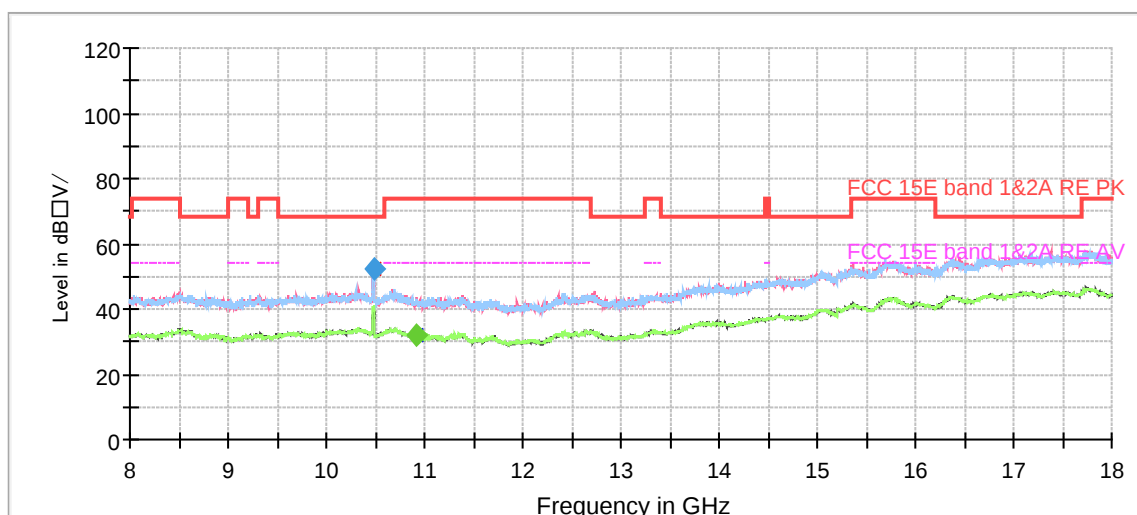
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1079.625000     | 54.57         | ---              | 74.00          | 19.43       | 100.0       | V            | 46.0          | -7.9                |
| 1277.375000     | 41.85         | ---              | 68.20          | 26.35       | 100.0       | V            | 134.0         | -6.8                |
| 1385.000000     | ---           | 31.05            | 54.00          | 22.95       | 200.0       | H            | 245.0         | -6.3                |
| 1680.750000     | ---           | 32.56            | 54.00          | 21.44       | 200.0       | H            | 167.0         | -4.6                |
| 1996.625000     | 45.04         | ---              | 68.20          | 23.16       | 100.0       | V            | 52.0          | -2.7                |
| 2246.875000     | ---           | 33.64            | 54.00          | 20.36       | 100.0       | V            | 105.0         | -1.7                |
| 2391.250000     | 47.32         | ---              | 68.20          | 20.88       | 200.0       | V            | 318.0         | -1.2                |
| 2805.125000     | ---           | 35.89            | 54.00          | 18.11       | 100.0       | V            | 211.0         | 1.0                 |
| 3330.125000     | 50.27         | ---              | 68.20          | 17.93       | 100.0       | V            | 81.0          | 3.1                 |
| 3971.500000     | ---           | 39.29            | 54.00          | 14.71       | 200.0       | H            | 14.0          | 6.0                 |
| 7391.000000     | ---           | 42.32            | 54.00          | 11.68       | 100.0       | H            | 304.0         | 11.5                |
| 7974.625000     | 53.86         | ---              | 68.20          | 14.34       | 200.0       | V            | 272.0         | 11.9                |

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

# 802.11n (HT20) CH48



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



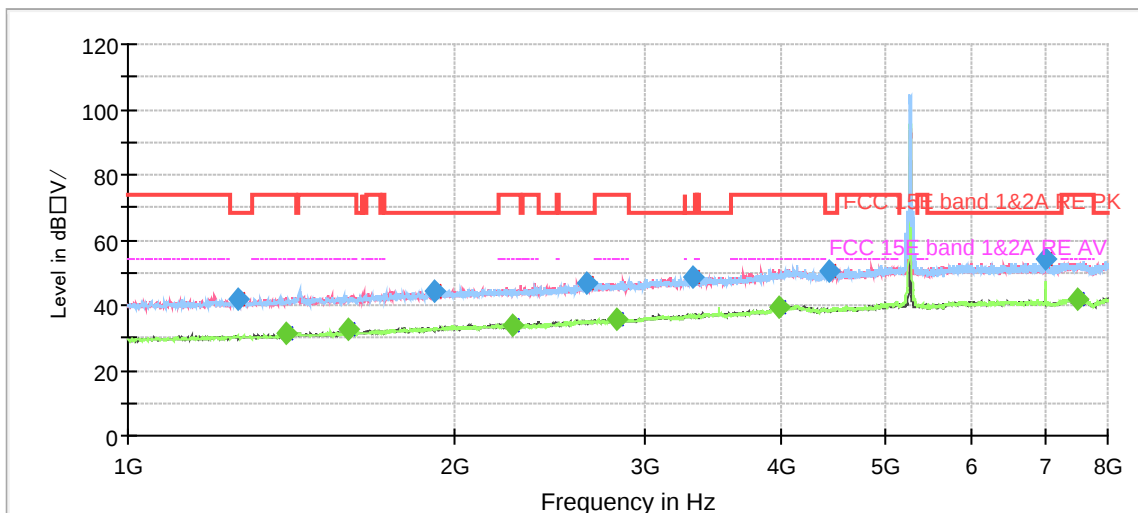
Radiates Emission from 8GHz to 18GHz



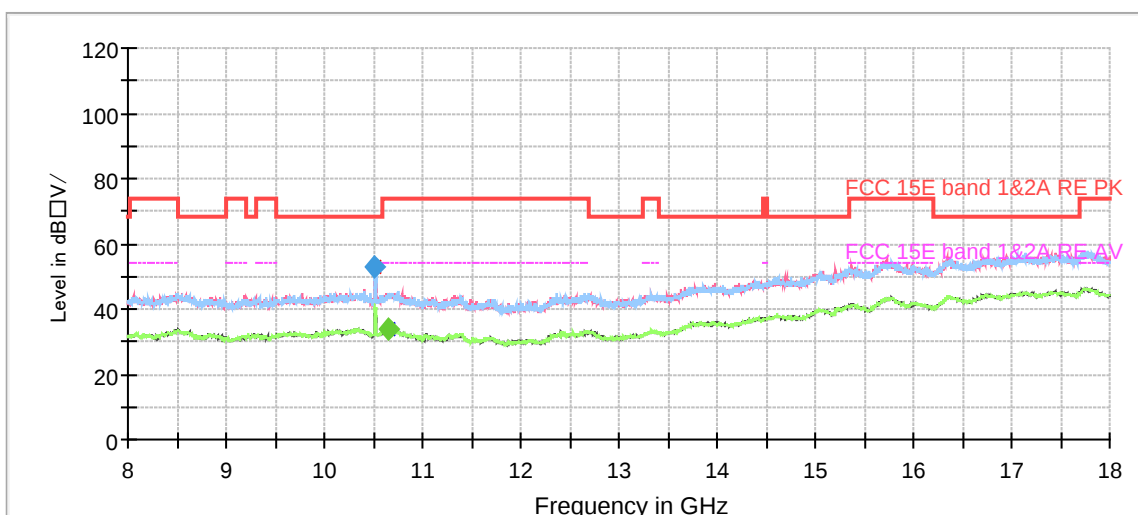
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1085.750000     | ---           | 29.60            | 54.00          | 24.40       | 100.0       | V            | 40.0          | -7.9                |
| 1295.750000     | 42.39         | ---              | 68.20          | 25.81       | 100.0       | H            | 305.0         | -6.8                |
| 1390.250000     | ---           | 31.09            | 54.00          | 22.91       | 100.0       | V            | 70.0          | -6.2                |
| 1721.875000     | ---           | 32.30            | 54.00          | 21.70       | 100.0       | H            | 281.0         | -4.3                |
| 2046.500000     | 55.42         | ---              | 68.20          | 12.78       | 100.0       | V            | 70.0          | -2.5                |
| 2624.875000     | 46.43         | ---              | 68.20          | 21.77       | 100.0       | V            | 185.0         | 0.2                 |
| 2709.750000     | ---           | 35.78            | 54.00          | 18.22       | 200.0       | V            | 284.0         | 0.6                 |
| 3493.750000     | 49.22         | ---              | 68.20          | 18.98       | 100.0       | V            | 130.0         | 3.7                 |
| 3979.375000     | ---           | 39.21            | 54.00          | 14.79       | 200.0       | H            | 21.0          | 6.0                 |
| 4472.875000     | 49.64         | ---              | 68.20          | 18.56       | 200.0       | V            | 101.0         | 6.4                 |
| 7546.750000     | ---           | 42.34            | 54.00          | 11.66       | 100.0       | V            | 0.0           | 11.5                |
| 7944.000000     | 53.79         | ---              | 68.20          | 14.41       | 200.0       | H            | 191.0         | 11.8                |

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

# 802.11n (HT20) CH52



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

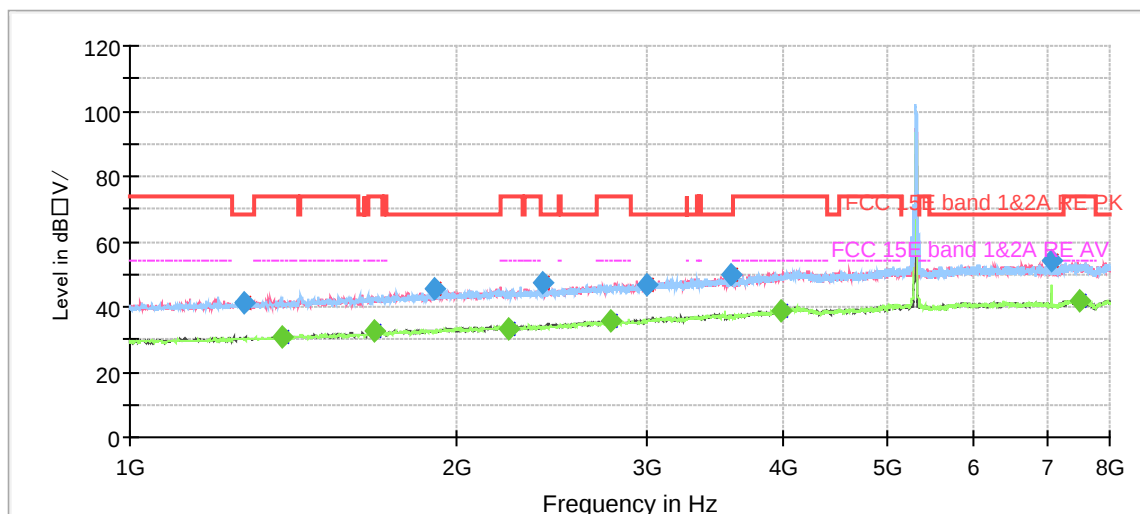


Radiates Emission from 8GHz to 18GHz

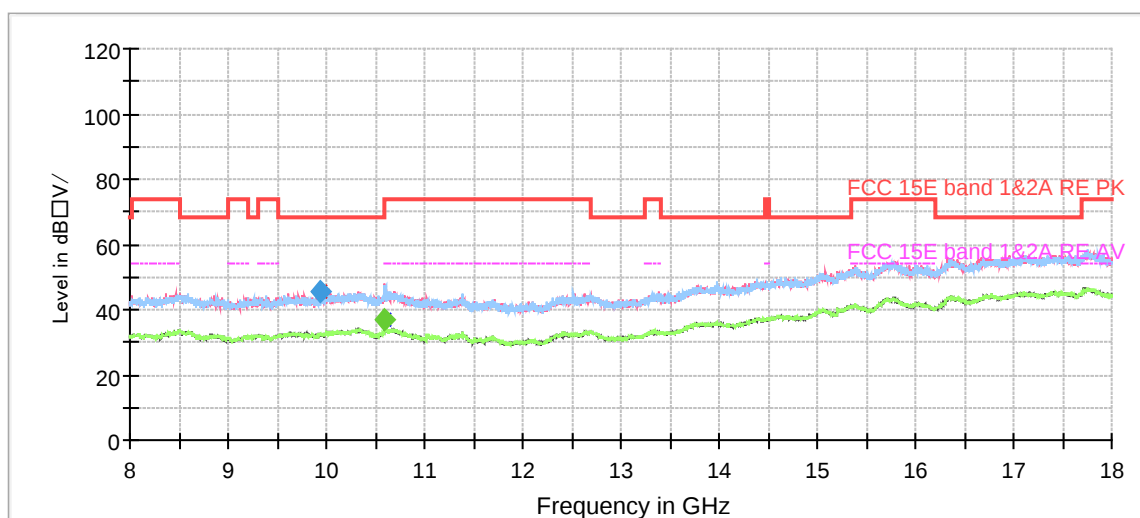
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1266.000000     | 42.02         | ---              | 68.20          | 26.18       | 100.0       | V            | 269.0         | -6.9                |
| 1399.000000     | ---           | 31.14            | 54.00          | 22.86       | 100.0       | V            | 232.0         | -6.2                |
| 1599.375000     | ---           | 32.40            | 54.00          | 21.60       | 200.0       | V            | 168.0         | -5.0                |
| 1915.250000     | 44.61         | ---              | 68.20          | 23.59       | 200.0       | H            | 324.0         | -3.2                |
| 2264.375000     | ---           | 33.73            | 54.00          | 20.27       | 200.0       | V            | 222.0         | -1.6                |
| 2645.875000     | 46.96         | ---              | 68.20          | 21.24       | 200.0       | V            | 161.0         | 0.3                 |
| 2826.125000     | ---           | 35.81            | 54.00          | 18.19       | 100.0       | V            | 33.0          | 1.0                 |
| 3319.625000     | 48.81         | ---              | 68.20          | 19.39       | 100.0       | H            | 286.0         | 3.1                 |
| 3983.750000     | ---           | 39.29            | 54.00          | 14.71       | 200.0       | V            | 222.0         | 6.1                 |
| 4429.125000     | 50.37         | ---              | 68.20          | 17.83       | 200.0       | H            | 54.0          | 6.3                 |
| 7013.875000     | 54.36         | ---              | 68.20          | 13.84       | 200.0       | H            | 347.0         | 10.8                |
| 7506.500000     | ---           | 42.01            | 54.00          | 11.99       | 100.0       | V            | 300.0         | 11.5                |

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

# 802.11n (HT20) CH60



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



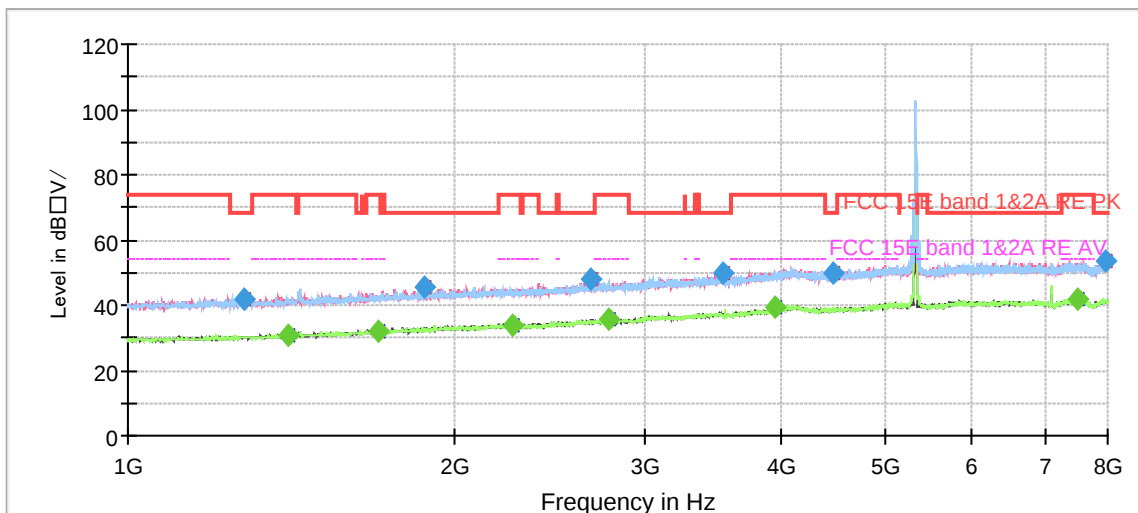
Radiates Emission from 8GHz to 18GHz



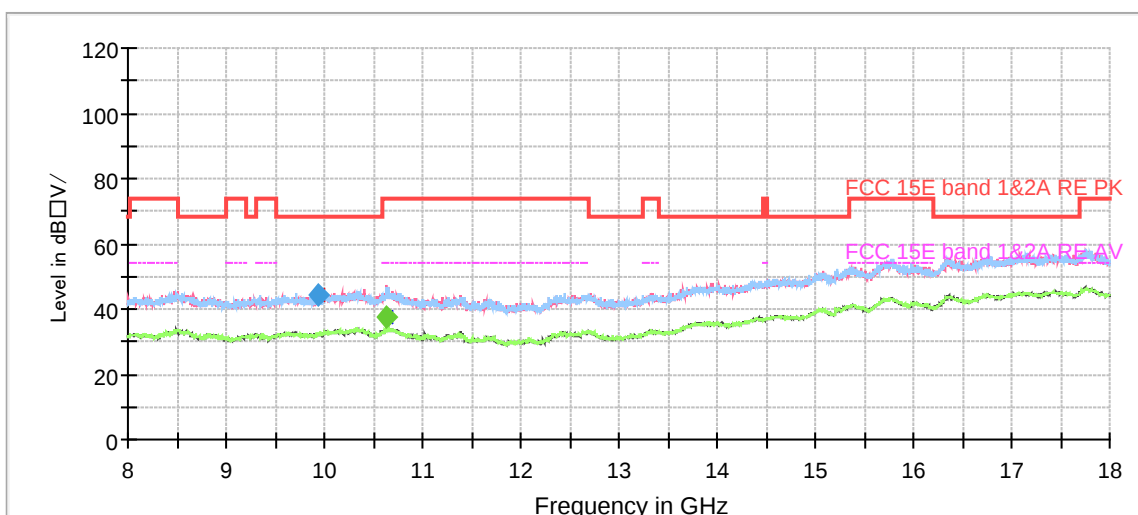
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1272.125000     | 41.41         | ---              | 68.20          | 26.79       | 100.0       | V            | 150.0         | -6.9                |
| 1383.250000     | ---           | 31.02            | 54.00          | 22.98       | 100.0       | H            | 3.0           | -6.3                |
| 1680.750000     | ---           | 32.48            | 54.00          | 21.52       | 100.0       | H            | 138.0         | -4.6                |
| 1906.500000     | 45.26         | ---              | 68.20          | 22.94       | 100.0       | H            | 104.0         | -3.3                |
| 2236.375000     | ---           | 33.48            | 54.00          | 20.52       | 100.0       | V            | 116.0         | -1.7                |
| 2396.500000     | 47.49         | ---              | 68.20          | 20.71       | 200.0       | V            | 176.0         | -1.2                |
| 2780.625000     | ---           | 35.69            | 54.00          | 18.31       | 200.0       | V            | 58.0          | 0.9                 |
| 2992.375000     | 46.95         | ---              | 68.20          | 21.25       | 200.0       | V            | 147.0         | 1.9                 |
| 3586.500000     | 49.88         | ---              | 68.20          | 18.32       | 200.0       | H            | 247.0         | 4.0                 |
| 3982.000000     | ---           | 38.97            | 54.00          | 15.03       | 200.0       | V            | 193.0         | 6.0                 |
| 7067.250000     | 53.87         | ---              | 68.20          | 14.33       | 100.0       | H            | 292.0         | 10.9                |
| 7499.500000     | ---           | 42.08            | 54.00          | 11.92       | 100.0       | H            | 166.0         | 11.5                |

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

# 802.11n (HT20) CH64



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



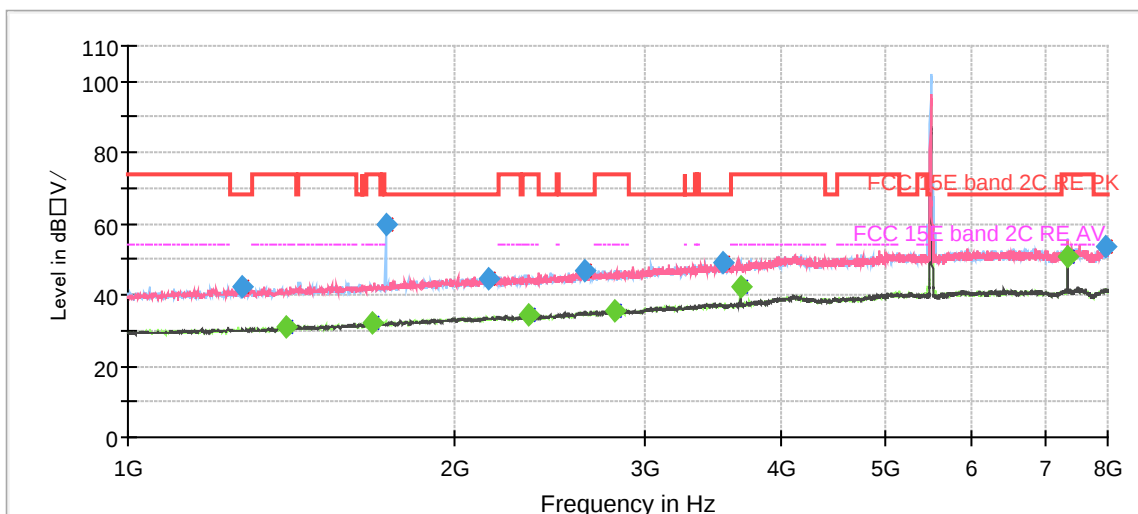
Radiates Emission from 8GHz to 18GHz



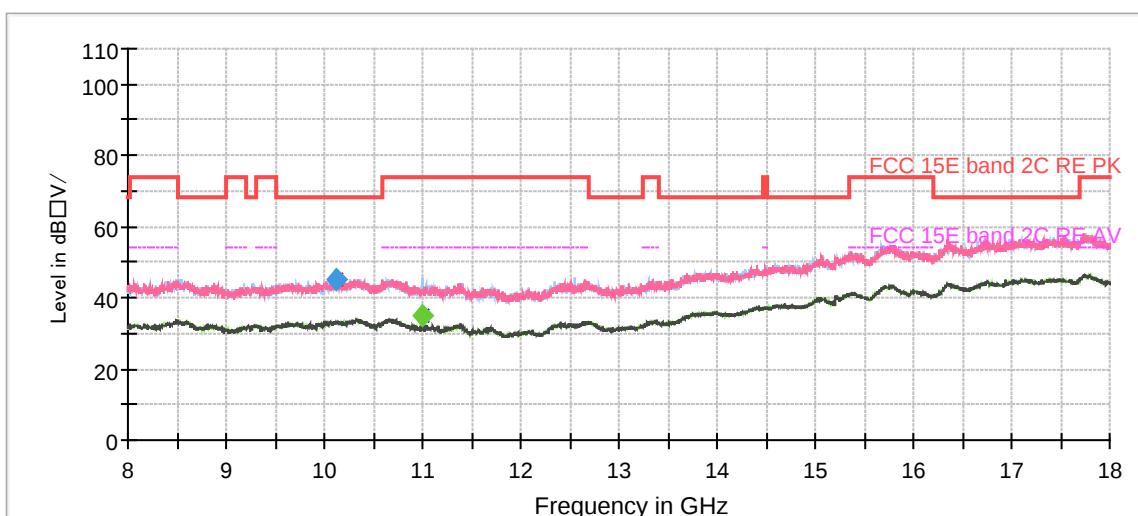
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1281.750000     | 41.96         | ---              | 68.20          | 26.24       | 200.0       | V            | 0.0           | -6.8                |
| 1405.125000     | ---           | 30.96            | 54.00          | 23.04       | 100.0       | H            | 252.0         | -6.1                |
| 1703.500000     | ---           | 32.18            | 54.00          | 21.82       | 200.0       | V            | 0.0           | -4.5                |
| 1876.750000     | 45.48         | ---              | 68.20          | 22.72       | 200.0       | V            | 318.0         | -3.5                |
| 2260.875000     | ---           | 33.64            | 54.00          | 20.36       | 100.0       | V            | 330.0         | -1.6                |
| 2674.750000     | 47.84         | ---              | 68.20          | 20.36       | 200.0       | V            | 0.0           | 0.5                 |
| 2778.875000     | ---           | 35.52            | 54.00          | 18.48       | 200.0       | H            | 130.0         | 0.9                 |
| 3537.500000     | 49.59         | ---              | 68.20          | 18.61       | 200.0       | H            | 184.0         | 3.8                 |
| 3948.750000     | ---           | 39.24            | 54.00          | 14.76       | 100.0       | V            | 239.0         | 5.8                 |
| 4462.375000     | 49.70         | ---              | 68.20          | 18.50       | 200.0       | V            | 140.0         | 6.4                 |
| 7508.250000     | ---           | 41.79            | 54.00          | 12.21       | 200.0       | H            | 325.0         | 11.5                |
| 7958.875000     | 53.73         | ---              | 68.20          | 14.47       | 100.0       | V            | 161.0         | 11.8                |

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

# 802.11n (HT20) CH100



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

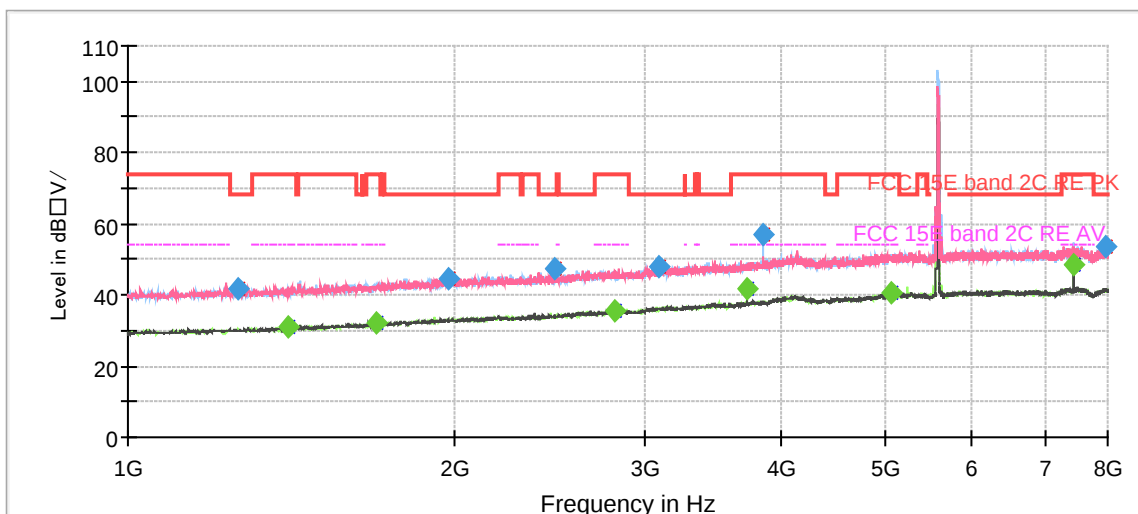


Radiates Emission from 8GHz to 18GHz

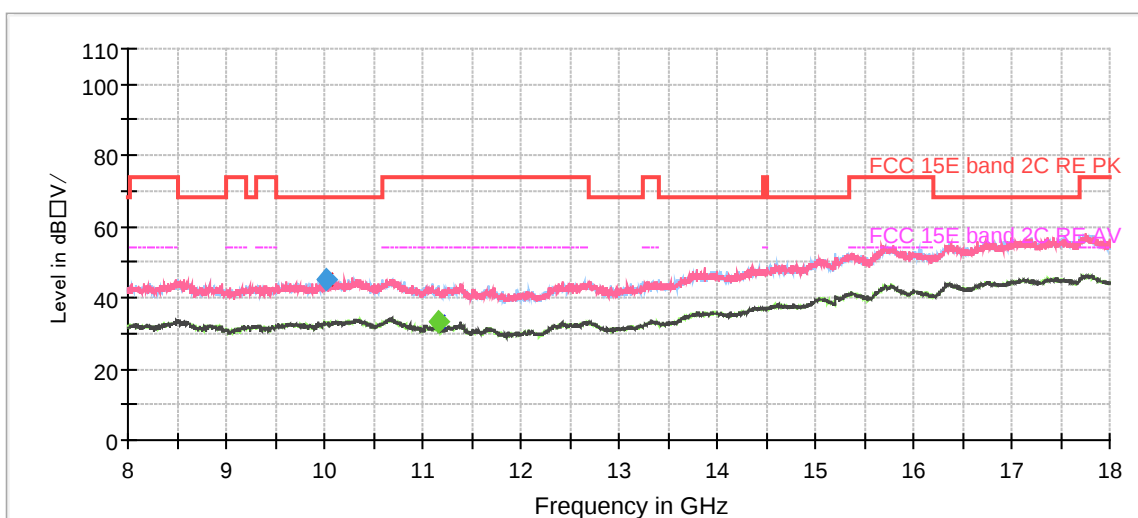
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1272.125000     | 42.21         | ---              | 68.20          | 25.99       | 100.0       | V            | 149.0         | -6.9                |
| 1396.375000     | ---           | 30.90            | 54.00          | 23.10       | 200.0       | V            | 219.0         | -6.2                |
| 1683.375000     | ---           | 32.01            | 54.00          | 21.99       | 100.0       | H            | 353.0         | -4.6                |
| 1727.125000     | 60.03         | ---              | 68.20          | 8.17        | 100.0       | H            | 347.0         | -4.3                |
| 2152.375000     | 44.53         | ---              | 68.20          | 23.67       | 100.0       | V            | 168.0         | -2.0                |
| 2336.125000     | ---           | 34.61            | 54.00          | 19.39       | 200.0       | V            | 194.0         | -1.4                |
| 2631.875000     | 46.56         | ---              | 68.20          | 21.64       | 200.0       | H            | 142.0         | 0.2                 |
| 2806.000000     | ---           | 35.64            | 54.00          | 18.36       | 100.0       | H            | 175.0         | 1.0                 |
| 3532.250000     | 49.33         | ---              | 68.20          | 18.87       | 100.0       | H            | 341.0         | 3.8                 |
| 3666.125000     | ---           | 42.31            | 54.00          | 11.69       | 200.0       | H            | 63.0          | 4.3                 |
| 7333.250000     | ---           | 50.95            | 54.00          | 3.05        | 100.0       | H            | 341.0         | 11.4                |
| 7950.125000     | 53.37         | ---              | 68.20          | 14.83       | 100.0       | V            | 14.0          | 11.8                |

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

# 802.11n (HT20) CH116



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



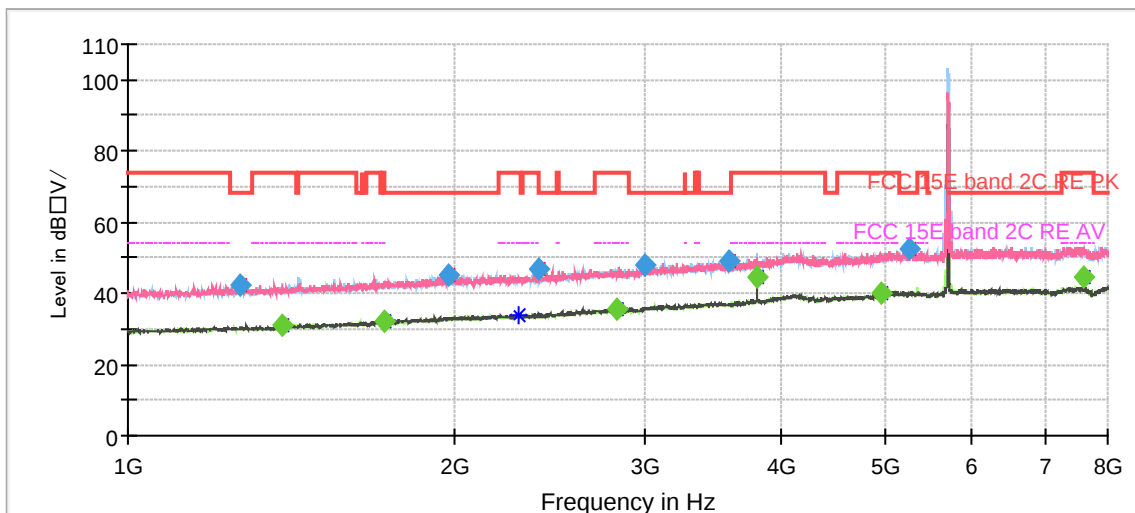
Radiates Emission from 8GHz to 18GHz



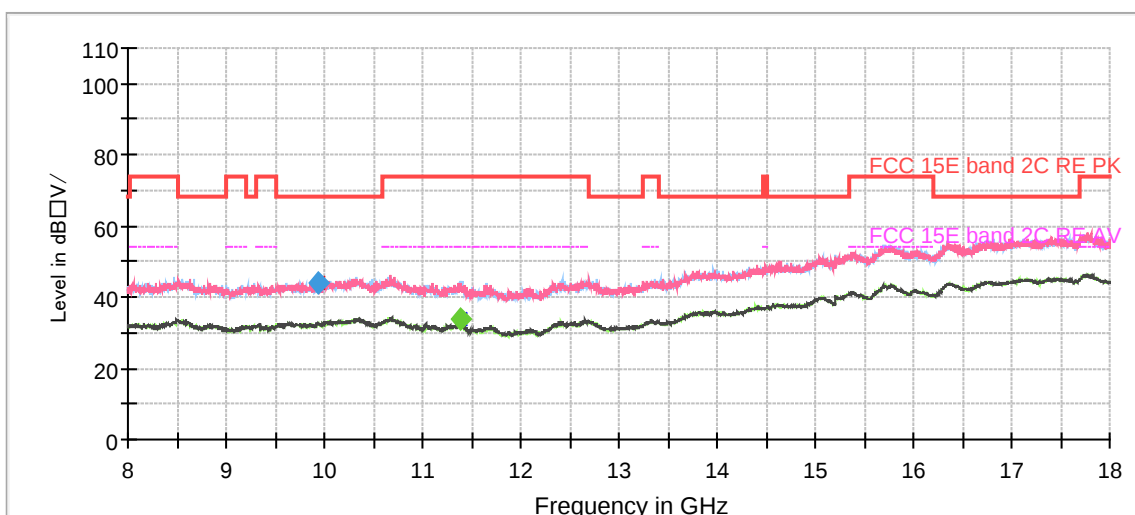
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1262.500000     | 41.78         | ---              | 68.20          | 26.42       | 200.0       | H            | 88.0          | -6.9                |
| 1403.375000     | ---           | 31.05            | 54.00          | 22.95       | 100.0       | V            | 12.0          | -6.1                |
| 1691.250000     | ---           | 32.25            | 54.00          | 21.75       | 100.0       | V            | 0.0           | -4.5                |
| 1971.250000     | 44.81         | ---              | 68.20          | 23.39       | 200.0       | V            | 0.0           | -2.8                |
| 2473.500000     | 47.15         | ---              | 68.20          | 21.05       | 200.0       | V            | 315.0         | -0.8                |
| 2806.875000     | ---           | 35.49            | 54.00          | 18.51       | 200.0       | V            | 185.0         | 1.0                 |
| 3088.625000     | 47.69         | ---              | 68.20          | 20.51       | 200.0       | H            | 306.0         | 2.4                 |
| 3719.500000     | ---           | 41.80            | 54.00          | 12.20       | 200.0       | H            | 29.0          | 4.6                 |
| 3851.625000     | 57.01         | ---              | 74.00          | 16.99       | 100.0       | H            | 0.0           | 5.2                 |
| 5048.625000     | ---           | 40.74            | 54.00          | 13.26       | 100.0       | V            | 6.0           | 8.7                 |
| 7440.000000     | ---           | 48.51            | 54.00          | 5.49        | 100.0       | H            | 337.0         | 11.5                |
| 7972.875000     | 53.52         | ---              | 68.20          | 14.68       | 100.0       | V            | 42.0          | 11.9                |

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

# 802.11n (HT20) CH140



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



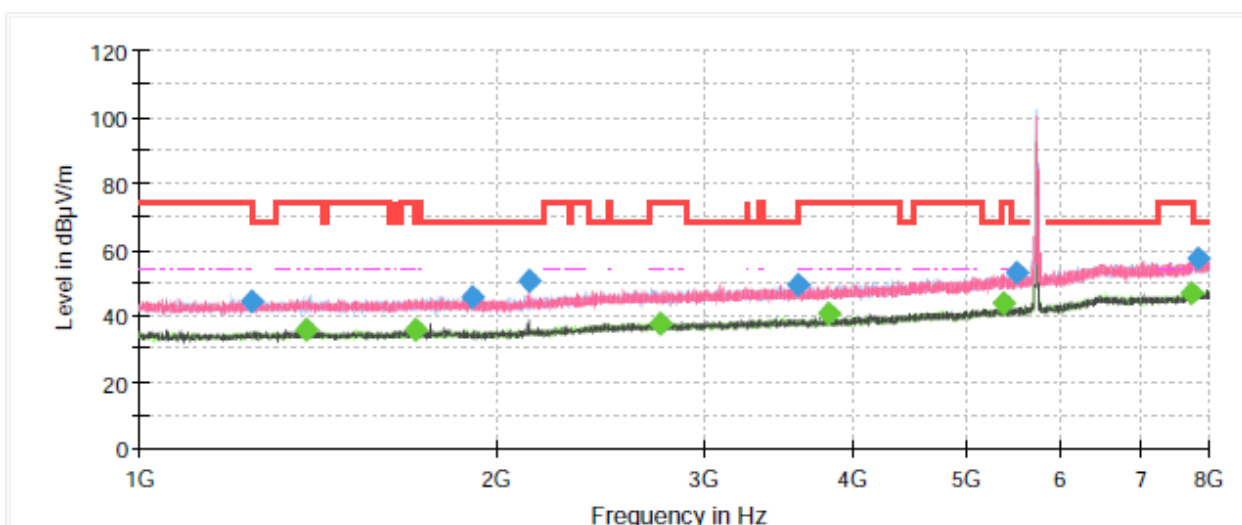
Radiates Emission from 8GHz to 18GHz



| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1269.500000     | 42.14         | ---              | 68.20          | 26.06       | 100.0       | V            | 74.0          | -6.9                |
| 1388.500000     | ---           | 31.08            | 54.00          | 22.92       | 200.0       | V            | 56.0          | -6.2                |
| 1720.125000     | ---           | 32.29            | 54.00          | 21.71       | 100.0       | V            | 32.0          | -4.4                |
| 1974.750000     | 44.89         | ---              | 68.20          | 23.31       | 200.0       | V            | 339.0         | -2.8                |
| 2996.750000     | 47.80         | ---              | 68.20          | 20.33       | 100.0       | V            | 19.0          | -1.6                |
| 2390.375000     | 46.92         | ---              | 68.20          | 21.28       | 100.0       | V            | 74.0          | -1.2                |
| 2816.500000     | ---           | 35.53            | 54.00          | 18.47       | 200.0       | V            | 292.0         | 1.0                 |
| 3583.000000     | 49.19         | ---              | 68.20          | 19.01       | 100.0       | H            | 240.0         | 4.0                 |
| 3800.000000     | ---           | 44.64            | 54.00          | 9.36        | 200.0       | H            | 33.0          | 5.0                 |
| 4942.750000     | ---           | 40.15            | 54.00          | 13.85       | 200.0       | V            | 229.0         | 8.3                 |
| 5255.125000     | 52.30         | ---              | 68.20          | 15.90       | 200.0       | V            | 125.0         | 8.8                 |
| 7600.125000     | ---           | 44.83            | 54.00          | 9.17        | 200.0       | V            | 297.0         | 11.4                |

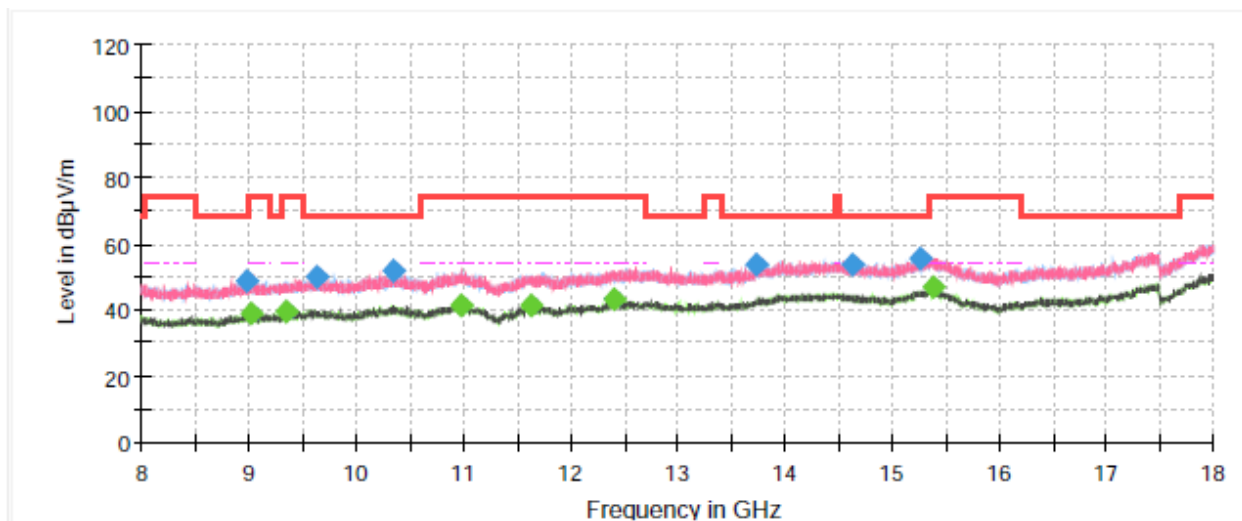
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## 802.11n (HT20) CH144



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

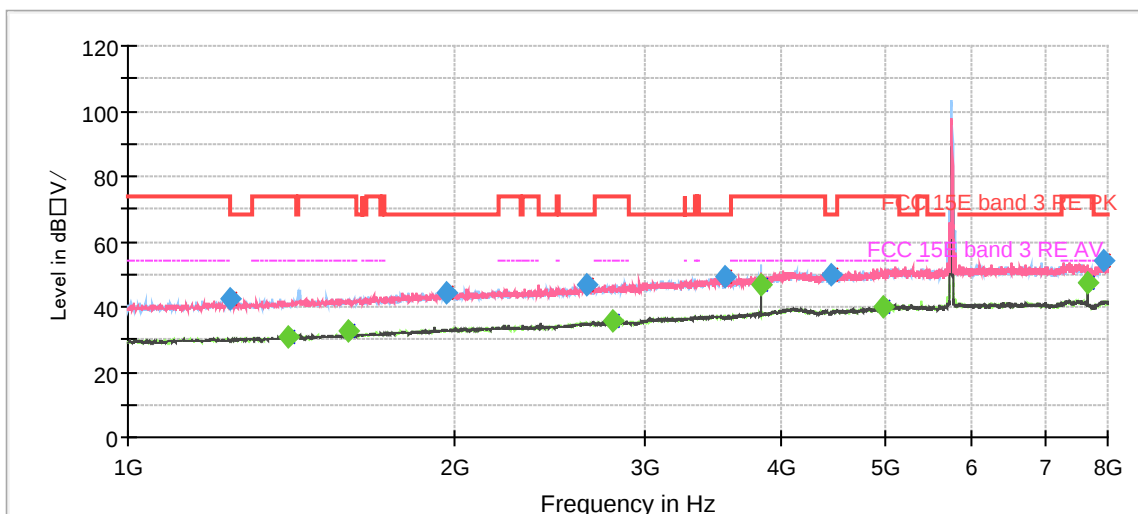


Radiates Emission from 8GHz to 18GHz

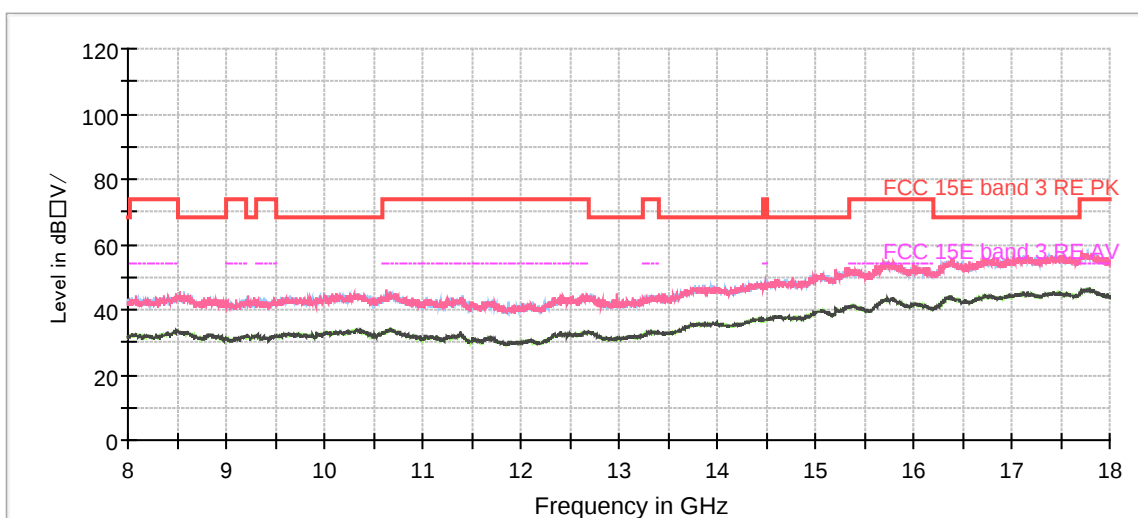
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1244.066667     | 44.50         | ---              | 68.20          | 23.70       | 100.0       | H            | 137.0         | -10.0               |
| 1381.266667     | ---           | 35.54            | 54.00          | 18.46       | 200.0       | H            | 138.0         | -9.6                |
| 1705.366667     | ---           | 35.68            | 54.00          | 18.32       | 200.0       | H            | 1.0           | -8.6                |
| 1906.033333     | 45.81         | ---              | 68.20          | 22.39       | 100.0       | V            | 139.0         | -8.4                |
| 2129.100000     | 50.45         | ---              | 68.20          | 17.75       | 200.0       | V            | 69.0          | -7.5                |
| 2751.633333     | ---           | 37.67            | 54.00          | 16.33       | 100.0       | V            | 60.0          | -6.1                |
| 3598.866667     | 49.47         | ---              | 68.20          | 18.73       | 100.0       | V            | 218.0         | -4.4                |
| 3813.533333     | ---           | 40.62            | 54.00          | 13.38       | 200.0       | V            | 343.0         | -4.0                |
| 5374.766667     | ---           | 43.87            | 54.00          | 10.13       | 200.0       | H            | 292.0         | 1.3                 |
| 5501.000000     | 52.90         | ---              | 68.20          | 15.30       | 100.0       | V            | 23.0          | 1.5                 |
| 7746.833333     | ---           | 46.85            | 54.00          | 7.15        | 200.0       | V            | 0.0           | 6.4                 |
| 7831.066667     | 57.00         | ---              | 68.20          | 11.20       | 100.0       | H            | 244.0         | 6.6                 |

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

# 802.11n (HT20) CH149



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



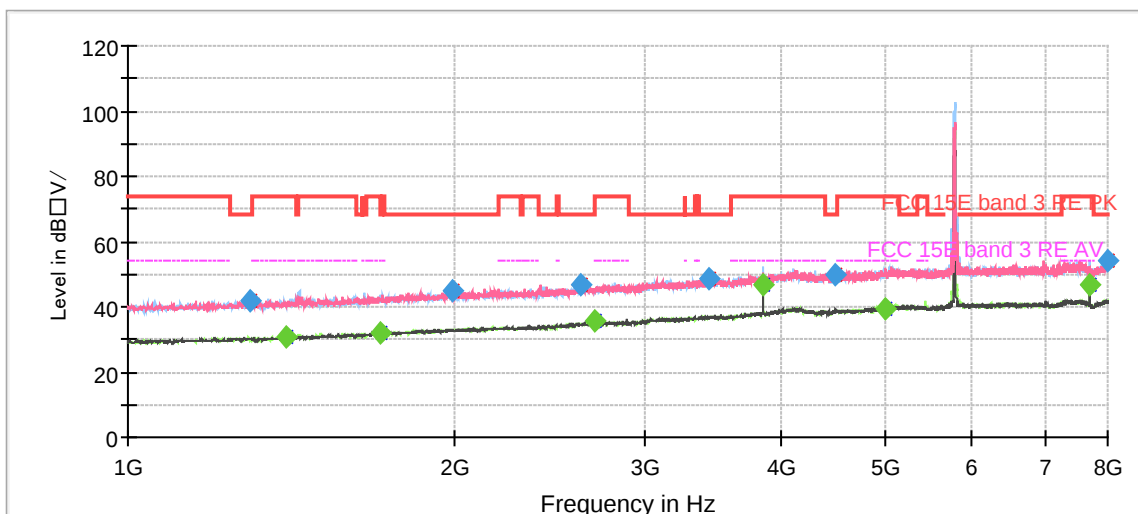
Radiates Emission from 8GHz to 18GHz



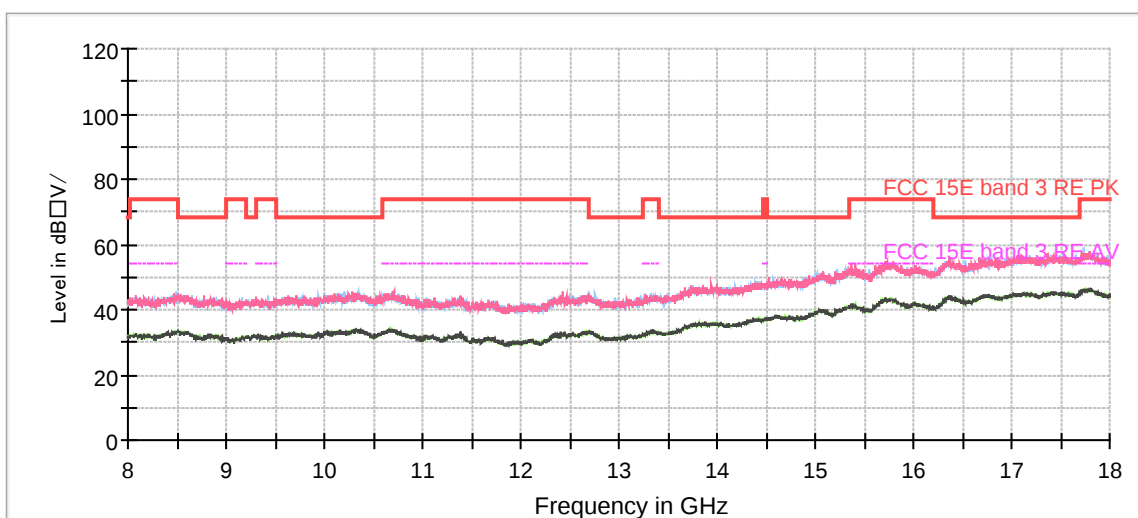
| Frequency<br>(MHz) | Peak<br>(dBuV/m) | Average<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Height<br>(cm) | Polarization | Azimuth<br>(deg) | Correct<br>Factor<br>(dB) |
|--------------------|------------------|---------------------|-------------------|----------------|----------------|--------------|------------------|---------------------------|
| 1243.250000        | 42.49            | ---                 | 68.20             | 25.71          | 100.0          | V            | 91.0             | -7.1                      |
| 1402.500000        | ---              | 30.94               | 54.00             | 23.06          | 100.0          | V            | 291.0            | -6.1                      |
| 1599.375000        | ---              | 32.38               | 54.00             | 21.62          | 200.0          | V            | 122.0            | -5.0                      |
| 1965.125000        | 44.44            | ---                 | 68.20             | 23.76          | 100.0          | H            | 90.0             | -2.9                      |
| 2652.875000        | 46.72            | ---                 | 68.20             | 21.48          | 100.0          | H            | 274.0            | 0.4                       |
| 2802.500000        | ---              | 35.50               | 54.00             | 18.50          | 200.0          | V            | 346.0            | 0.9                       |
| 3554.125000        | 48.97            | ---                 | 68.20             | 19.23          | 100.0          | V            | 85.0             | 3.9                       |
| 3829.750000        | ---              | 46.60               | 54.00             | 7.40           | 200.0          | H            | 60.0             | 5.1                       |
| 4451.000000        | 49.63            | ---                 | 68.20             | 18.57          | 200.0          | H            | 187.0            | 6.3                       |
| 4966.375000        | ---              | 40.00               | 54.00             | 14.00          | 200.0          | V            | 116.0            | 8.5                       |
| 7660.500000        | ---              | 47.33               | 54.00             | 6.67           | 200.0          | V            | 305.0            | 11.4                      |
| 7919.500000        | 53.94            | ---                 | 68.20             | 14.26          | 100.0          | H            | 255.0            | 11.7                      |

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

# 802.11n (HT20) CH157



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

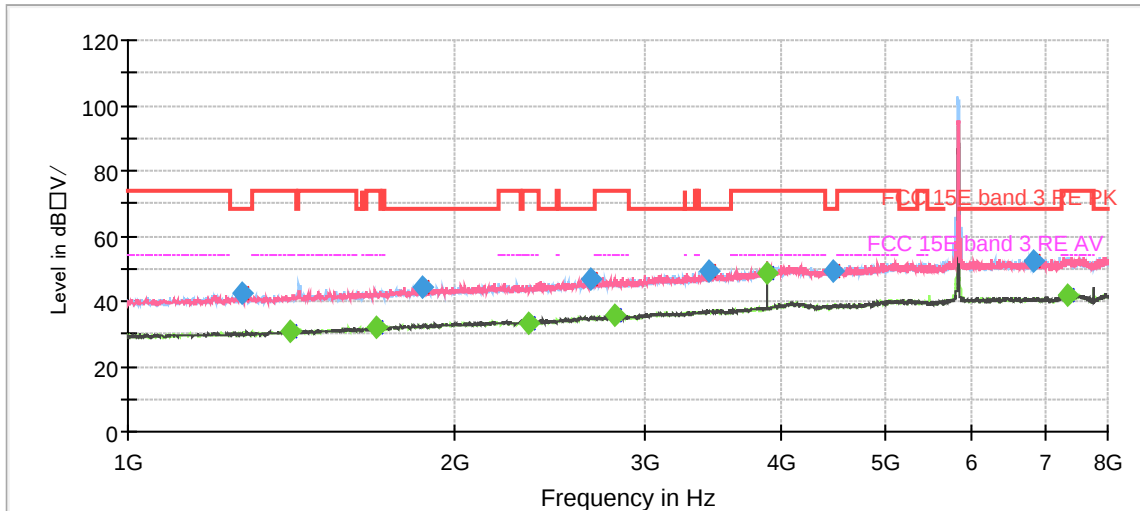


Radiates Emission from 8GHz to 18GHz

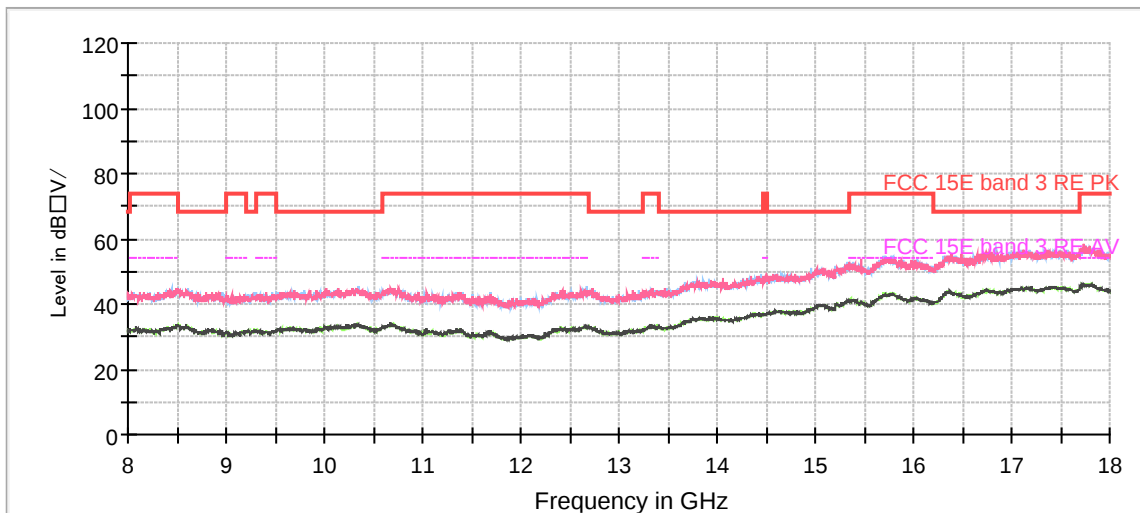
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1295.750000     | 41.64         | ---              | 68.20          | 26.56       | 100.0       | H            | 4.0           | -6.8                |
| 1399.875000     | ---           | 30.89            | 54.00          | 23.11       | 100.0       | V            | 324.0         | -6.2                |
| 1707.000000     | ---           | 32.04            | 54.00          | 21.96       | 200.0       | V            | 215.0         | -4.4                |
| 1989.625000     | 44.74         | ---              | 68.20          | 23.46       | 100.0       | V            | 0.0           | -2.7                |
| 2618.750000     | 46.73         | ---              | 68.20          | 21.47       | 200.0       | V            | 111.0         | 0.1                 |
| 2694.875000     | ---           | 35.49            | 54.00          | 18.51       | 100.0       | V            | 293.0         | 0.5                 |
| 3427.250000     | 48.85         | ---              | 68.20          | 19.35       | 200.0       | V            | 52.0          | 3.5                 |
| 3856.875000     | ---           | 46.48            | 54.00          | 7.52        | 200.0       | H            | 59.0          | 5.3                 |
| 4477.250000     | 49.85         | ---              | 68.20          | 18.35       | 100.0       | H            | 40.0          | 6.4                 |
| 4983.000000     | ---           | 39.65            | 54.00          | 14.35       | 200.0       | H            | 126.0         | 8.6                 |
| 7713.875000     | ---           | 46.62            | 54.00          | 7.38        | 200.0       | V            | 300.0         | 11.3                |
| 7983.375000     | 53.99         | ---              | 68.20          | 14.21       | 200.0       | V            | 281.0         | 11.9                |

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

# 802.11n (HT20) CH165



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



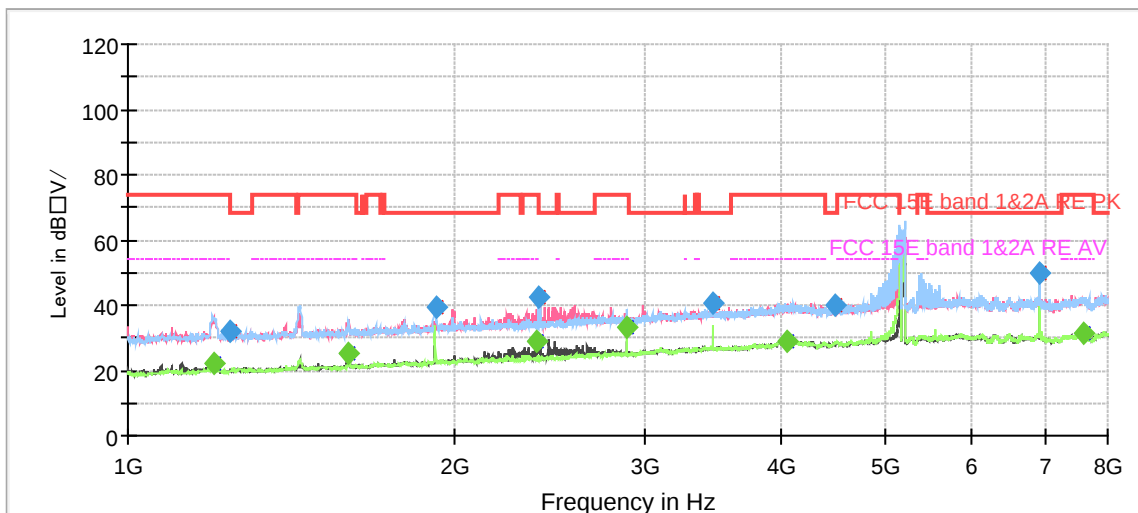
Radiates Emission from 8GHz to 18GHz



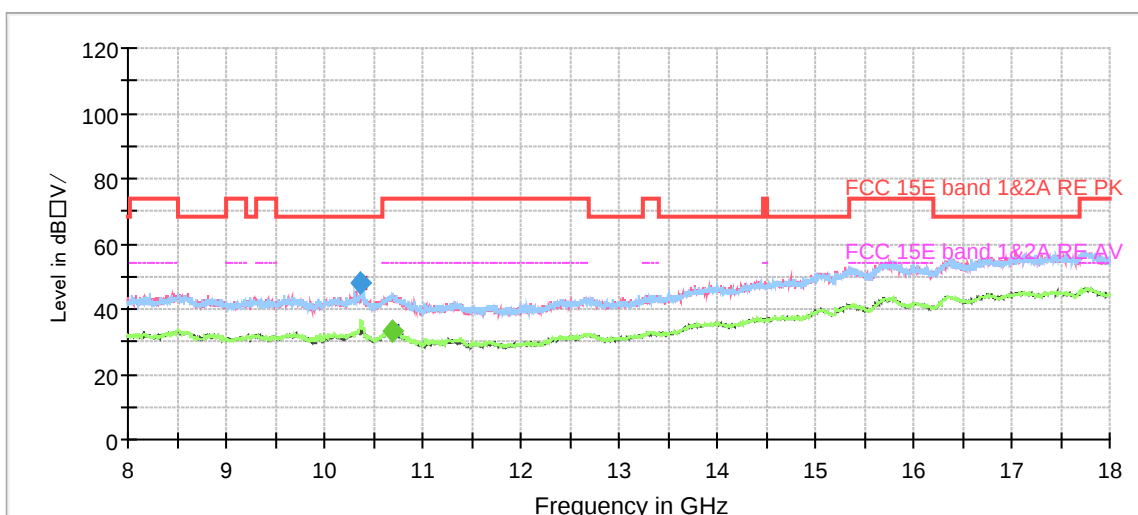
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1273.875000     | 42.20         | ---              | 68.20          | 26.00       | 100.0       | H            | 97.0          | -6.9                |
| 1411.250000     | ---           | 30.72            | 54.00          | 23.28       | 100.0       | V            | 2.0           | -6.1                |
| 1692.125000     | ---           | 32.06            | 54.00          | 21.94       | 200.0       | V            | 92.0          | -4.5                |
| 1864.500000     | 44.43         | ---              | 68.20          | 23.77       | 200.0       | V            | 228.0         | -3.5                |
| 2337.000000     | ---           | 33.53            | 54.00          | 20.47       | 100.0       | V            | 286.0         | -1.4                |
| 2674.750000     | 46.70         | ---              | 68.20          | 21.50       | 200.0       | V            | 240.0         | 0.5                 |
| 2810.375000     | ---           | 35.47            | 54.00          | 18.53       | 100.0       | V            | 195.0         | 1.0                 |
| 3438.625000     | 49.00         | ---              | 68.20          | 19.20       | 100.0       | H            | 241.0         | 3.5                 |
| 3883.125000     | ---           | 48.39            | 54.00          | 5.61        | 200.0       | H            | 61.0          | 5.4                 |
| 4467.625000     | 49.26         | ---              | 68.20          | 18.94       | 200.0       | H            | 280.0         | 6.4                 |
| 6849.375000     | 52.56         | ---              | 68.20          | 15.64       | 100.0       | V            | 269.0         | 10.6                |
| 7342.875000     | ---           | 41.98            | 54.00          | 12.02       | 100.0       | V            | 235.0         | 11.4                |

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

# 802.11n (HT40) CH38



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



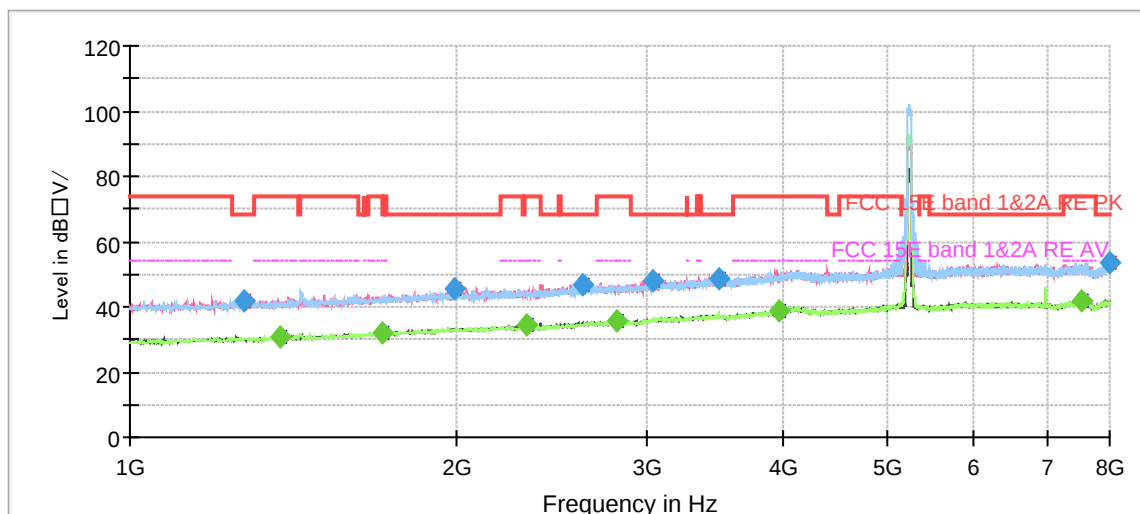
Radiates Emission from 8GHz to 18GHz



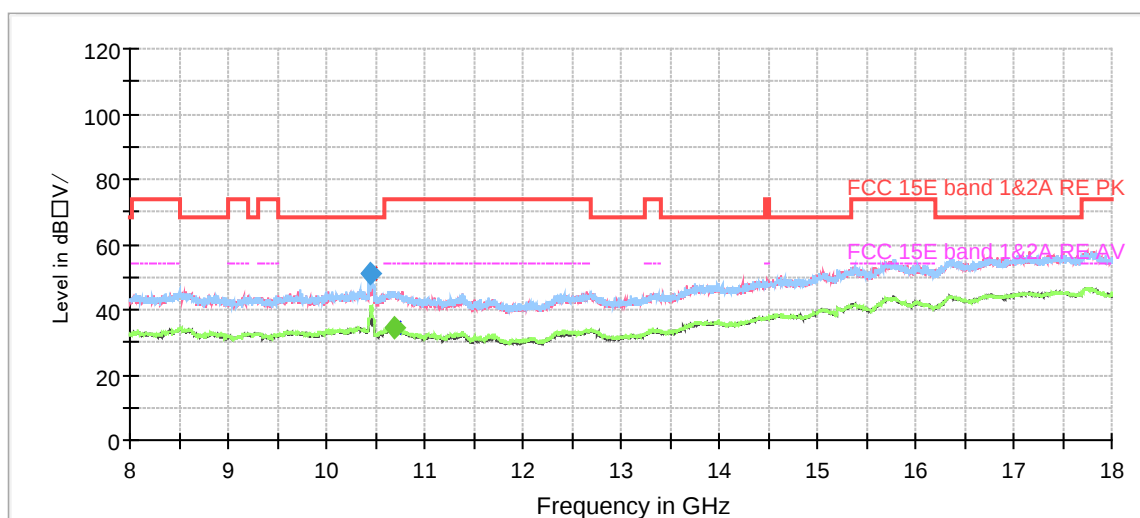
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1199.500000     | ---           | 22.20            | 54.00          | 31.80       | 200.0       | H            | 16.0          | -17.3               |
| 1243.250000     | 31.89         | ---              | 68.20          | 36.31       | 100.0       | V            | 11.0          | -17.1               |
| 1599.375000     | ---           | 25.20            | 54.00          | 28.80       | 100.0       | V            | 161.0         | -15.0               |
| 1922.250000     | 39.59         | ---              | 68.20          | 28.61       | 200.0       | H            | 310.0         | -13.2               |
| 2385.125000     | ---           | 28.65            | 54.00          | 25.35       | 200.0       | V            | 188.0         | -11.2               |
| 2394.750000     | 42.44         | ---              | 68.20          | 25.76       | 200.0       | V            | 331.0         | -11.2               |
| 2879.500000     | ---           | 33.01            | 54.00          | 20.99       | 200.0       | H            | 332.0         | -8.8                |
| 3459.625000     | 40.69         | ---              | 68.20          | 27.51       | 100.0       | H            | 110.0         | -6.4                |
| 4048.500000     | ---           | 28.68            | 54.00          | 25.32       | 200.0       | V            | 350.0         | -3.5                |
| 4484.250000     | 40.09         | ---              | 68.20          | 28.11       | 200.0       | H            | 139.0         | -3.6                |
| 6920.250000     | 50.03         | ---              | 68.20          | 18.17       | 200.0       | H            | 139.0         | 0.7                 |
| 7595.750000     | ---           | 31.48            | 54.00          | 22.52       | 100.0       | H            | 256.0         | 1.4                 |

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

# 802.11n (HT40) CH46



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



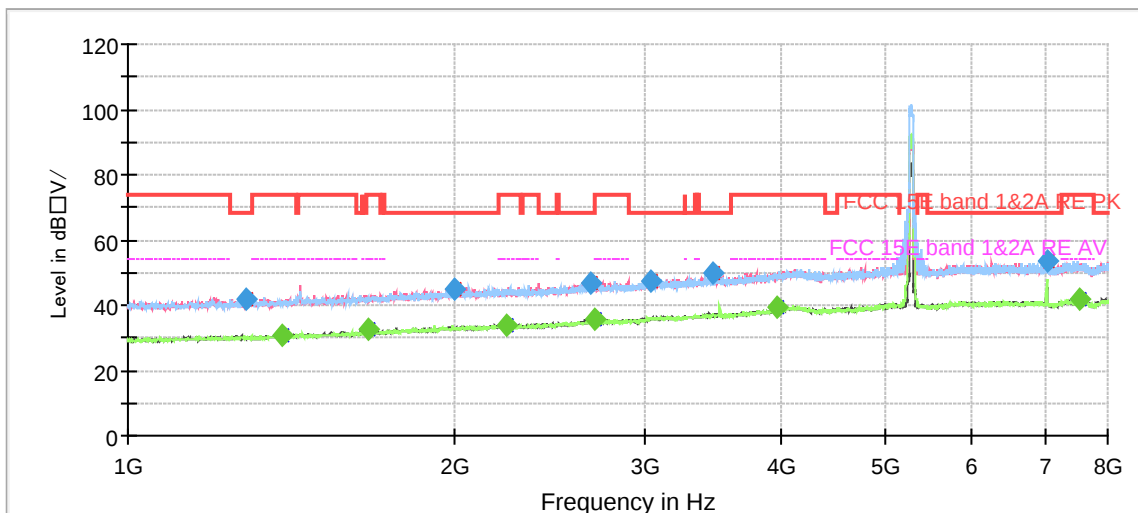
Radiates Emission from 8GHz to 18GHz



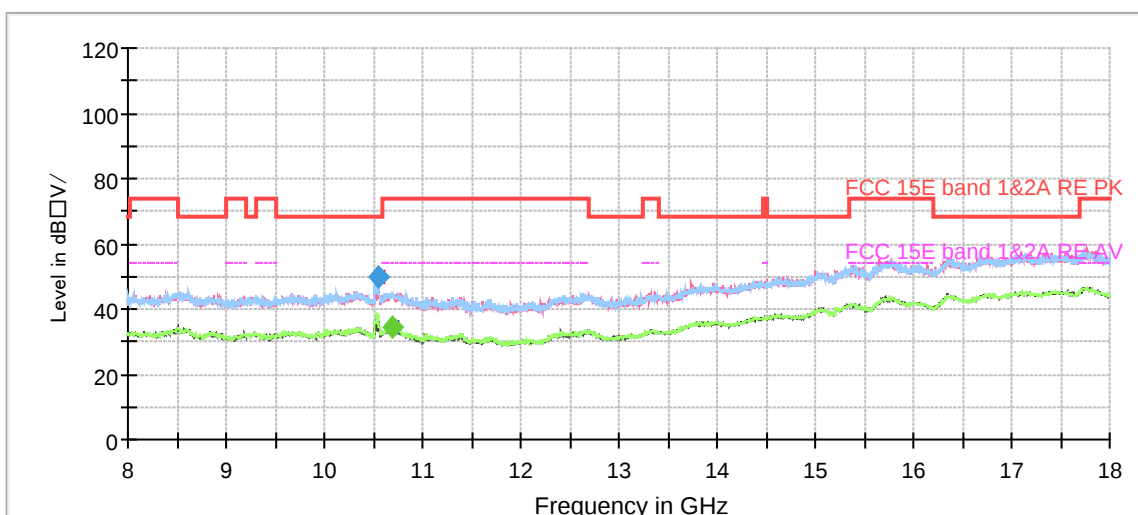
| Frequency<br>(MHz) | Peak<br>(dBuV/m) | Average<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Height<br>(cm) | Polarization | Azimuth<br>(deg) | Correct<br>Factor<br>(dB) |
|--------------------|------------------|---------------------|-------------------|----------------|----------------|--------------|------------------|---------------------------|
| 1274.750000        | 41.93            | ---                 | 68.20             | 26.27          | 100.0          | H            | 111.0            | -6.9                      |
| 1377.125000        | ---              | 30.98               | 54.00             | 23.02          | 100.0          | H            | 19.0             | -6.3                      |
| 1707.000000        | ---              | 32.06               | 54.00             | 21.94          | 100.0          | V            | 263.0            | -4.4                      |
| 1989.625000        | 45.63            | ---                 | 68.20             | 22.57          | 200.0          | V            | 99.0             | -2.7                      |
| 2324.750000        | ---              | 34.17               | 54.00             | 19.83          | 200.0          | V            | 157.0            | -1.4                      |
| 2612.625000        | 46.71            | ---                 | 68.20             | 21.49          | 100.0          | V            | 313.0            | 0.1                       |
| 2805.125000        | ---              | 35.78               | 54.00             | 18.22          | 200.0          | V            | 7.0              | 1.0                       |
| 3032.625000        | 47.76            | ---                 | 68.20             | 20.44          | 100.0          | V            | 307.0            | 2.2                       |
| 3486.750000        | 48.89            | ---                 | 68.20             | 19.31          | 200.0          | H            | 261.0            | 3.7                       |
| 3974.125000        | ---              | 38.87               | 54.00             | 15.13          | 100.0          | V            | 113.0            | 6.0                       |
| 7541.500000        | ---              | 41.80               | 54.00             | 12.20          | 100.0          | H            | 7.0              | 11.5                      |
| 7997.375000        | 53.30            | ---                 | 68.20             | 14.90          | 100.0          | V            | 191.0            | 11.9                      |

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

# 802.11n (HT40) CH54



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

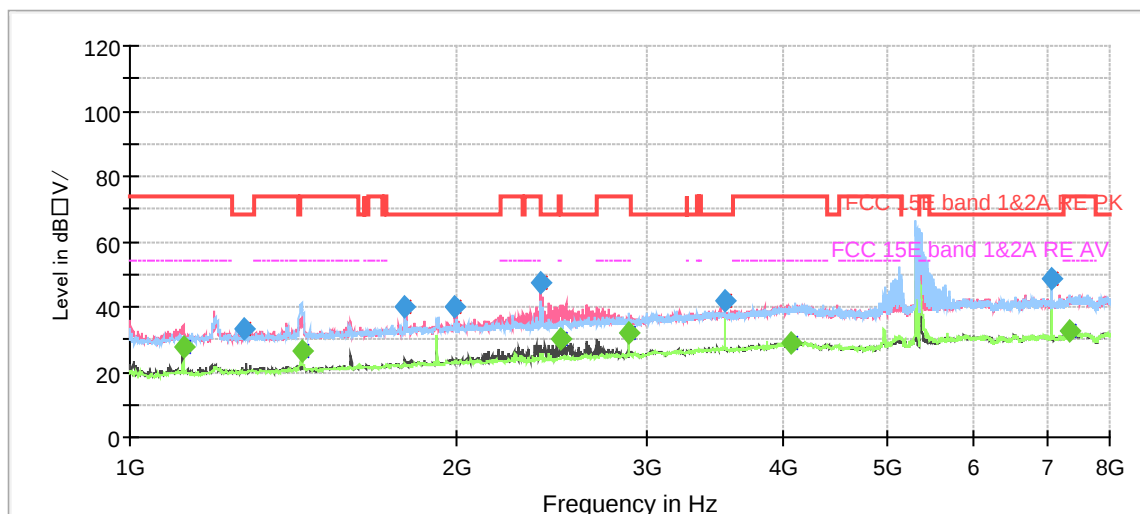


Radiates Emission from 8GHz to 18GHz

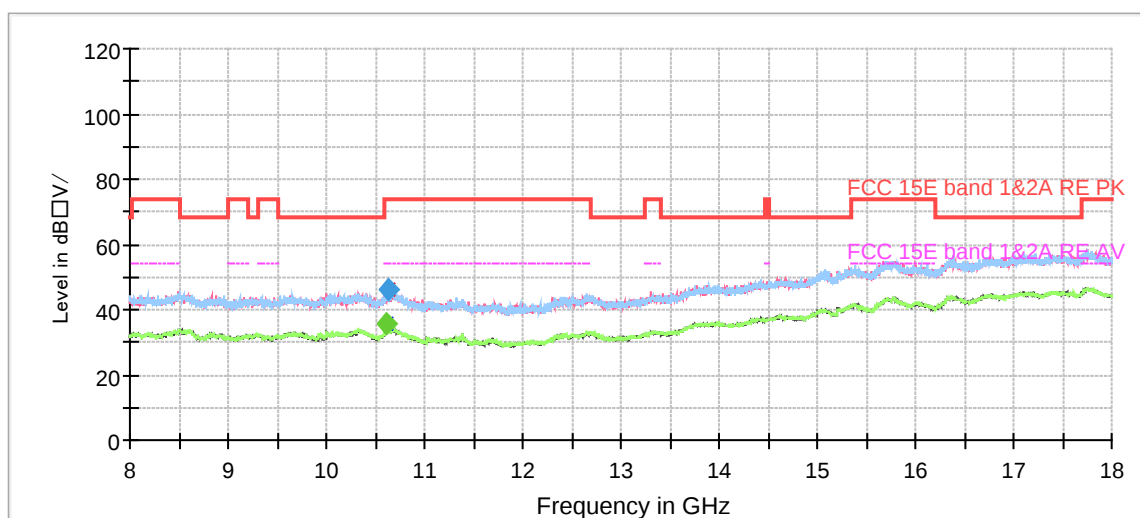
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1287.875000     | 41.70         | ---              | 68.20          | 26.50       | 200.0       | V            | 108.0         | -6.8                |
| 1390.250000     | ---           | 30.93            | 54.00          | 23.07       | 200.0       | V            | 114.0         | -6.2                |
| 1665.875000     | ---           | 32.32            | 54.00          | 21.68       | 100.0       | V            | 337.0         | -4.7                |
| 1998.375000     | 44.72         | ---              | 68.20          | 23.48       | 100.0       | H            | 270.0         | -2.7                |
| 2237.250000     | ---           | 33.62            | 54.00          | 20.38       | 100.0       | V            | 342.0         | -1.7                |
| 2673.000000     | 46.71         | ---              | 68.20          | 21.49       | 100.0       | V            | 284.0         | 0.4                 |
| 2693.125000     | ---           | 35.57            | 54.00          | 18.43       | 200.0       | V            | 135.0         | 0.5                 |
| 3034.375000     | 47.69         | ---              | 68.20          | 20.52       | 100.0       | V            | 342.0         | 2.2                 |
| 3466.625000     | 49.56         | ---              | 68.20          | 18.64       | 100.0       | V            | 256.0         | 3.6                 |
| 3959.250000     | ---           | 39.13            | 54.00          | 14.87       | 200.0       | V            | 158.0         | 5.9                 |
| 7027.000000     | 53.64         | ---              | 68.20          | 14.56       | 100.0       | H            | 350.0         | 10.9                |
| 7545.000000     | ---           | 41.82            | 54.00          | 12.18       | 100.0       | H            | 118.0         | 11.5                |

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

# 802.11n (HT40) CH62



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



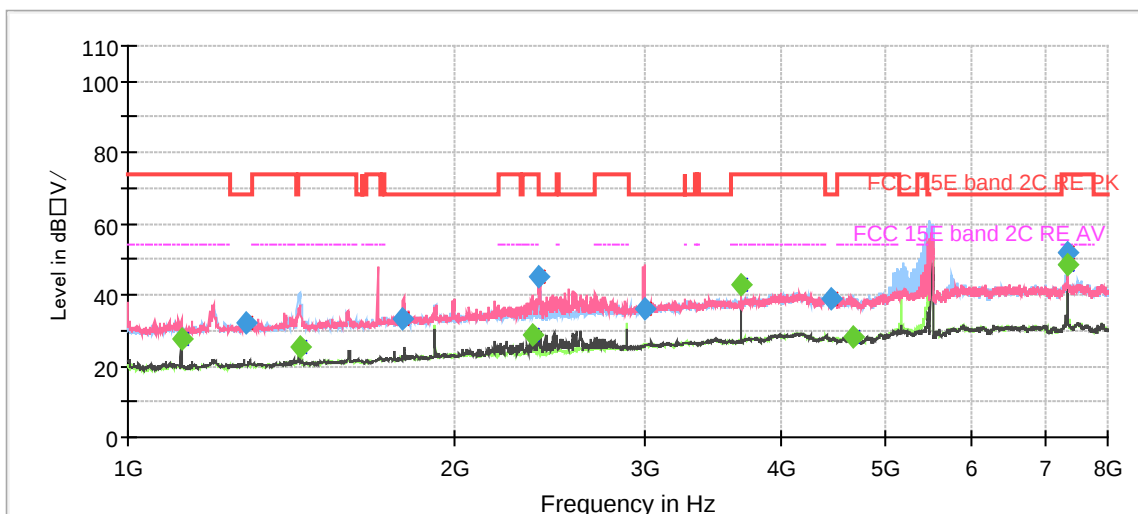
Radiates Emission from 8GHz to 18GHz



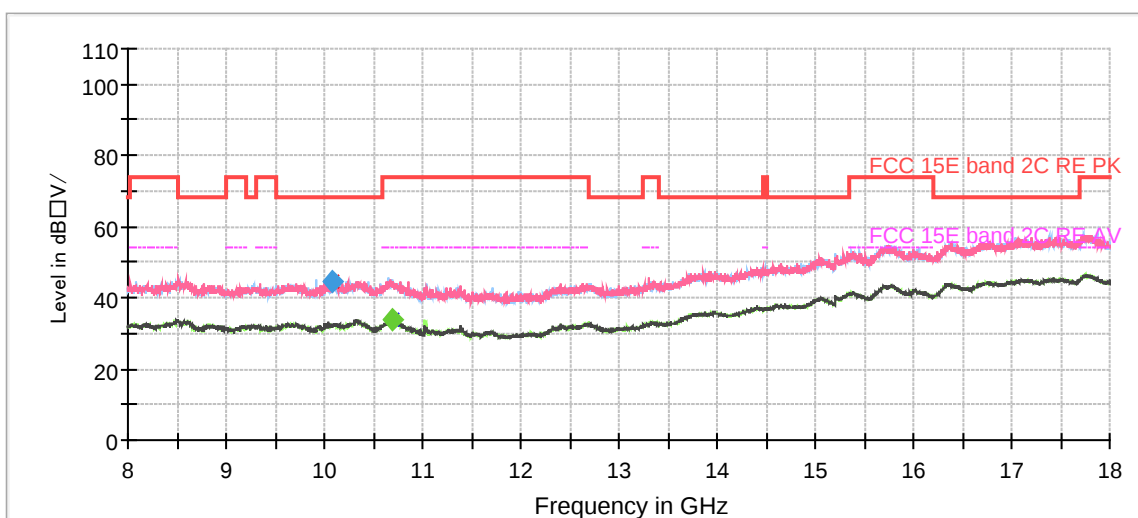
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1119.875000     | ---           | 27.65            | 54.00          | 26.35       | 100.0       | V            | 109.0         | -17.7               |
| 1274.750000     | 32.98         | ---              | 68.20          | 35.22       | 100.0       | V            | 277.0         | -16.9               |
| 1439.250000     | ---           | 26.34            | 54.00          | 27.66       | 100.0       | V            | 283.0         | -15.9               |
| 1791.875000     | 39.86         | ---              | 68.20          | 28.34       | 200.0       | V            | 245.0         | -13.9               |
| 1994.000000     | 40.09         | ---              | 68.20          | 28.11       | 100.0       | V            | 53.0          | -12.7               |
| 2394.750000     | 47.59         | ---              | 68.20          | 20.61       | 200.0       | V            | 239.0         | -11.2               |
| 2498.875000     | ---           | 30.32            | 54.00          | 23.69       | 200.0       | V            | 97.0          | -10.6               |
| 2879.500000     | ---           | 31.99            | 54.00          | 22.01       | 100.0       | H            | 87.0          | -8.8                |
| 3540.125000     | 41.58         | ---              | 68.20          | 26.62       | 100.0       | H            | 75.0          | -6.2                |
| 4075.625000     | ---           | 28.95            | 54.00          | 25.05       | 200.0       | V            | 274.0         | -3.4                |
| 7080.375000     | 48.31         | ---              | 68.20          | 19.89       | 100.0       | H            | 75.0          | 1.0                 |
| 7339.375000     | ---           | 32.36            | 54.00          | 21.64       | 200.0       | H            | 274.0         | 1.4                 |

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

# 802.11n (HT40) CH102



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



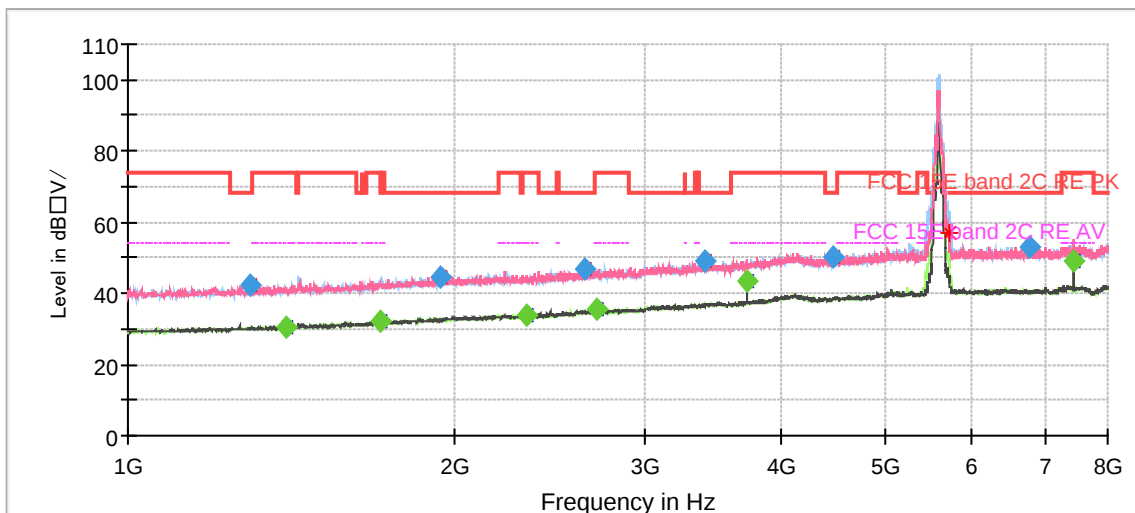
Radiates Emission from 8GHz to 18GHz



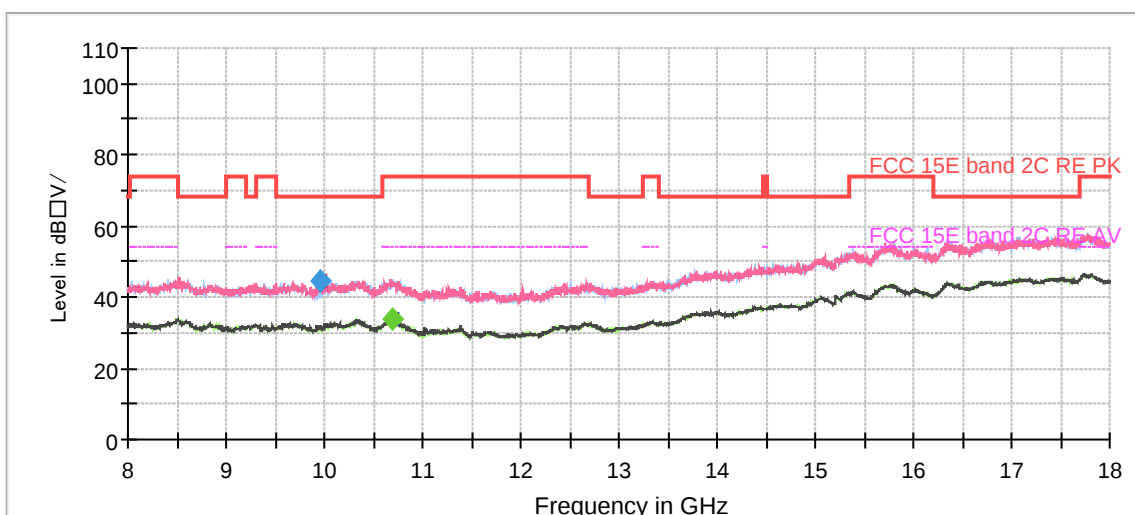
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1119.875000     | ---           | 27.43            | 54.00          | 26.57       | 100.0       | V            | 107.0         | -17.7               |
| 1283.500000     | 32.26         | ---              | 68.20          | 35.94       | 100.0       | V            | 0.0           | -16.8               |
| 1439.250000     | ---           | 25.59            | 54.00          | 28.41       | 100.0       | V            | 71.0          | -15.9               |
| 1790.125000     | 33.26         | ---              | 68.20          | 34.94       | 200.0       | H            | 0.0           | -13.9               |
| 2358.000000     | ---           | 28.63            | 54.00          | 25.37       | 200.0       | V            | 233.0         | -11.3               |
| 2394.750000     | 45.32         | ---              | 68.20          | 22.88       | 200.0       | V            | 233.0         | -11.2               |
| 2990.625000     | 36.32         | ---              | 68.20          | 31.88       | 100.0       | H            | 261.0         | -8.1                |
| 3673.125000     | ---           | 42.93            | 54.00          | 11.07       | 100.0       | H            | 69.0          | -5.6                |
| 4457.125000     | 38.68         | ---              | 68.20          | 29.52       | 200.0       | H            | 22.0          | -3.6                |
| 4655.750000     | ---           | 28.03            | 54.00          | 25.97       | 200.0       | H            | 16.0          | -3.0                |
| 7347.250000     | 51.69         | ---              | 74.00          | 22.31       | 200.0       | V            | 17.0          | 1.5                 |
| 7347.250000     | ---           | 48.78            | 54.00          | 5.22        | 100.0       | H            | 341.0         | 1.5                 |

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

# 802.11n (HT40) CH118



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



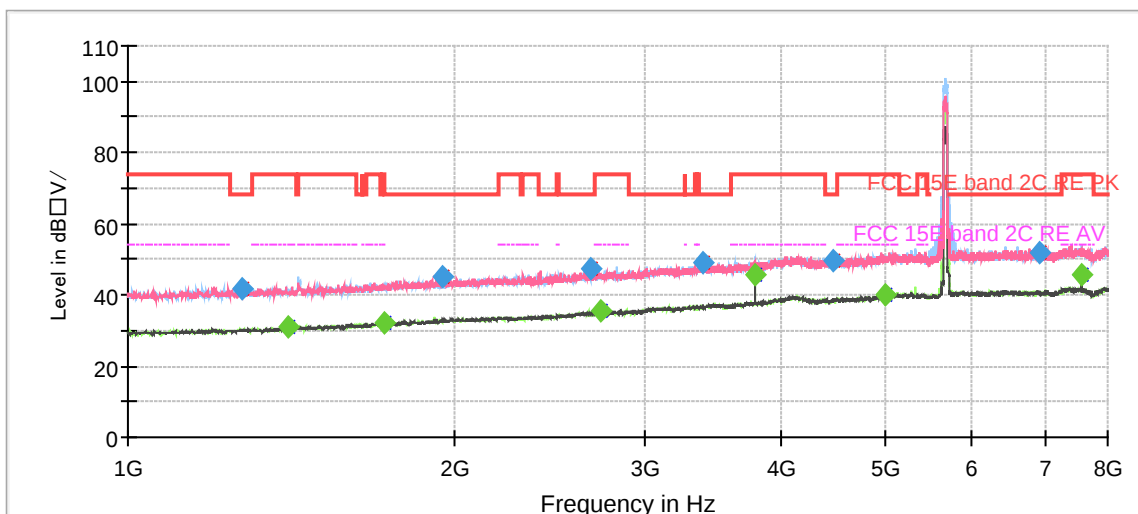
Radiates Emission from 8GHz to 18GHz



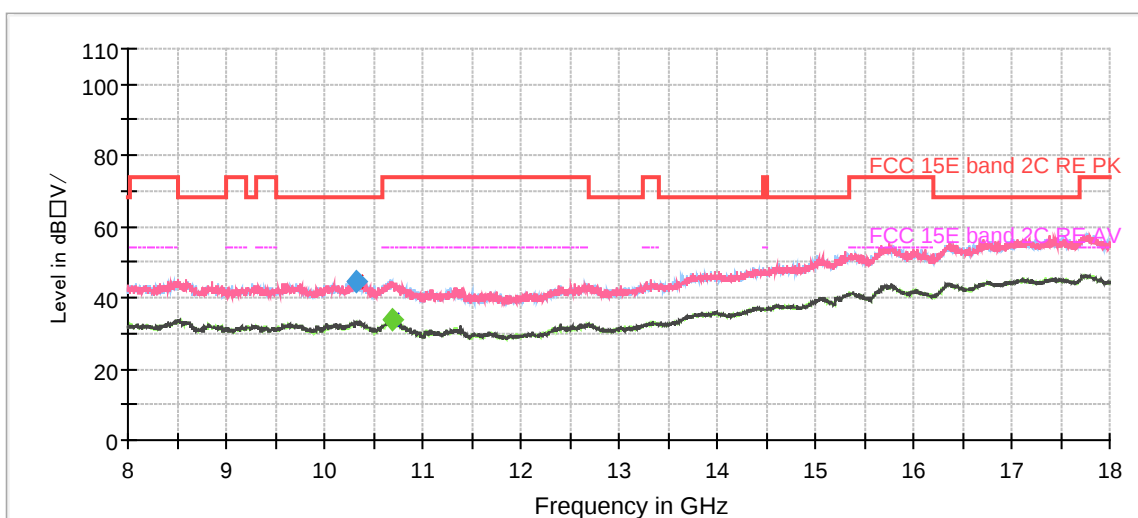
| Frequency<br>(MHz) | Peak<br>(dBuV/m) | Average<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Height<br>(cm) | Polarization | Azimuth<br>(deg) | Correct<br>Factor<br>(dB) |
|--------------------|------------------|---------------------|-------------------|----------------|----------------|--------------|------------------|---------------------------|
| 1298.375000        | 42.10            | ---                 | 68.20             | 26.10          | 100.0          | V            | 156.0            | -6.8                      |
| 1396.375000        | ---              | 30.69               | 54.00             | 23.31          | 100.0          | V            | 296.0            | -6.2                      |
| 1707.000000        | ---              | 31.89               | 54.00             | 22.11          | 100.0          | V            | 278.0            | -4.4                      |
| 1941.500000        | 44.72            | ---                 | 68.20             | 23.48          | 200.0          | H            | 261.0            | -3.0                      |
| 2328.250000        | ---              | 33.66               | 54.00             | 20.34          | 100.0          | V            | 120.0            | -1.4                      |
| 2641.500000        | 46.98            | ---                 | 68.20             | 21.22          | 200.0          | V            | 252.0            | 0.3                       |
| 2709.750000        | ---              | 35.39               | 54.00             | 18.61          | 100.0          | V            | 0.0              | 0.6                       |
| 3399.250000        | 49.04            | ---                 | 68.20             | 19.16          | 200.0          | V            | 74.0             | 3.4                       |
| 3726.500000        | ---              | 43.70               | 54.00             | 10.30          | 100.0          | H            | 64.0             | 4.6                       |
| 4475.500000        | 50.31            | ---                 | 68.20             | 17.89          | 100.0          | V            | 108.0            | 6.4                       |
| 6773.250000        | 53.23            | ---                 | 68.20             | 14.97          | 100.0          | H            | 52.0             | 9.5                       |
| 7454.000000        | ---              | 48.80               | 54.00             | 5.20           | 200.0          | H            | 2.0              | 11.5                      |

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

# 802.11n (HT40) CH134



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



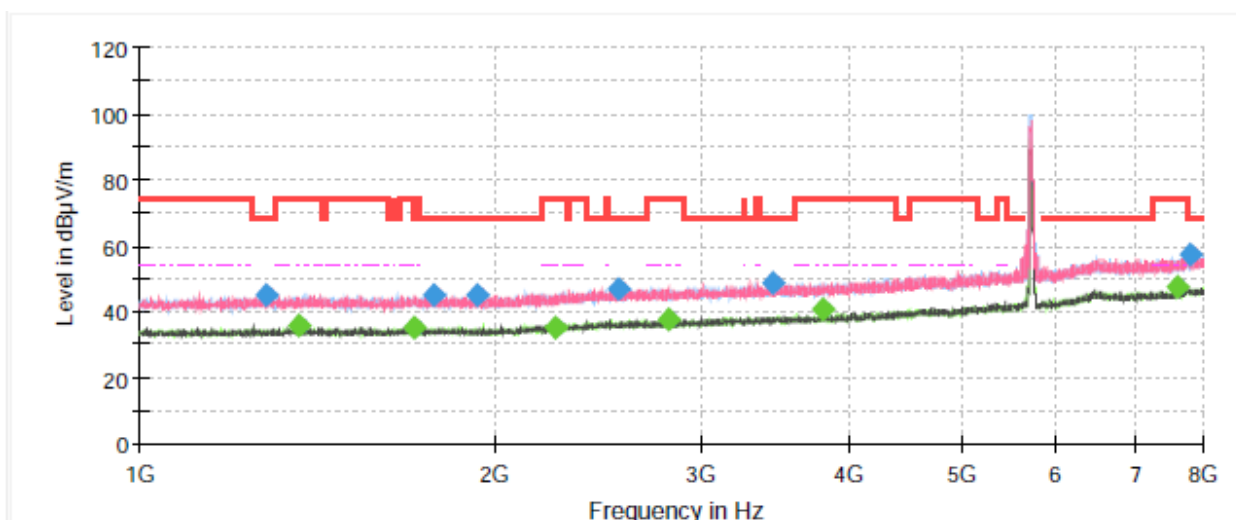
Radiates Emission from 8GHz to 18GHz



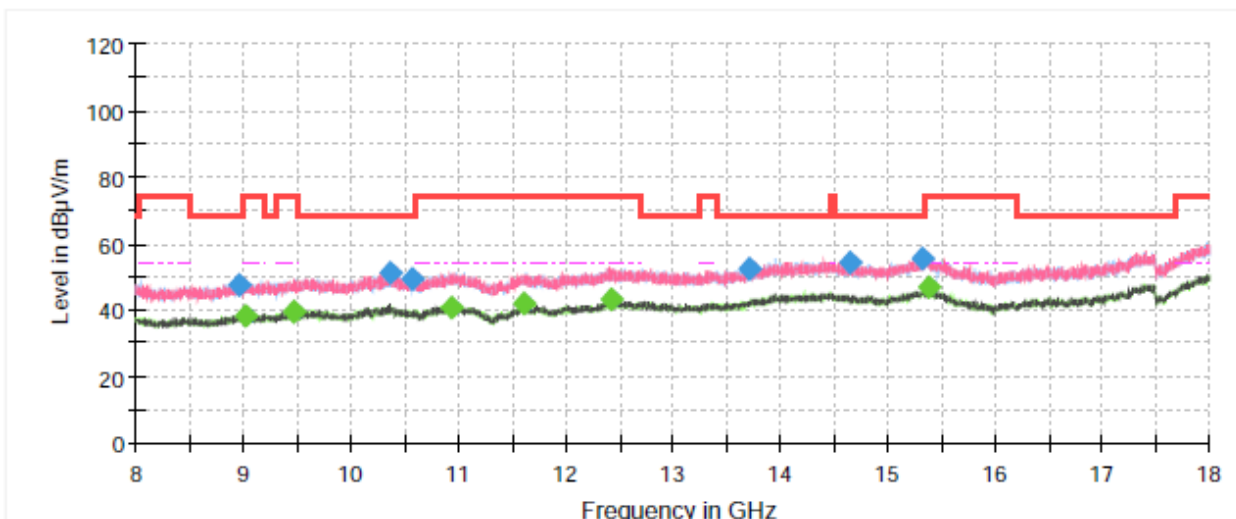
| Frequency<br>(MHz) | Peak<br>(dBuV/m) | Average<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Height<br>(cm) | Polarization | Azimuth<br>(deg) | Correct<br>Factor<br>(dB) |
|--------------------|------------------|---------------------|-------------------|----------------|----------------|--------------|------------------|---------------------------|
| 1276.500000        | 41.53            | ---                 | 68.20             | 26.67          | 200.0          | H            | 0.0              | -6.8                      |
| 1405.125000        | ---              | 30.81               | 54.00             | 23.19          | 100.0          | H            | 132.0            | -6.1                      |
| 1720.125000        | ---              | 32.22               | 54.00             | 21.78          | 200.0          | H            | 158.0            | -4.4                      |
| 1945.875000        | 45.03            | ---                 | 68.20             | 23.17          | 100.0          | V            | 358.0            | -3.0                      |
| 2673.000000        | 47.51            | ---                 | 68.20             | 20.69          | 200.0          | V            | 152.0            | 0.4                       |
| 2730.750000        | ---              | 35.57               | 54.00             | 18.43          | 200.0          | V            | 37.0             | 0.7                       |
| 3390.500000        | 49.24            | ---                 | 68.20             | 18.96          | 200.0          | H            | 0.0              | 3.4                       |
| 3779.875000        | ---              | 45.60               | 54.00             | 8.40           | 100.0          | H            | 28.0             | 4.9                       |
| 4462.375000        | 49.53            | ---                 | 68.20             | 18.67          | 200.0          | H            | 195.0            | 6.4                       |
| 4991.750000        | ---              | 40.02               | 54.00             | 13.98          | 200.0          | H            | 177.0            | 8.6                       |
| 6925.500000        | 51.91            | ---                 | 68.20             | 16.29          | 200.0          | H            | 152.0            | 10.7                      |
| 7560.750000        | ---              | 45.95               | 54.00             | 8.05           | 100.0          | H            | 243.0            | 11.5                      |

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

## 802.11n (HT40) CH142



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



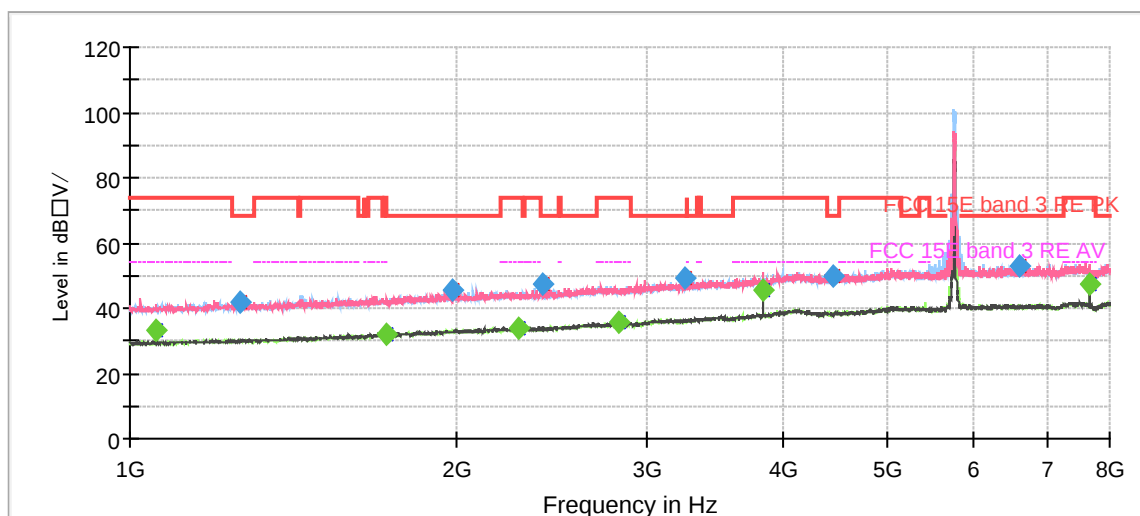
Radiates Emission from 8GHz to 18GHz



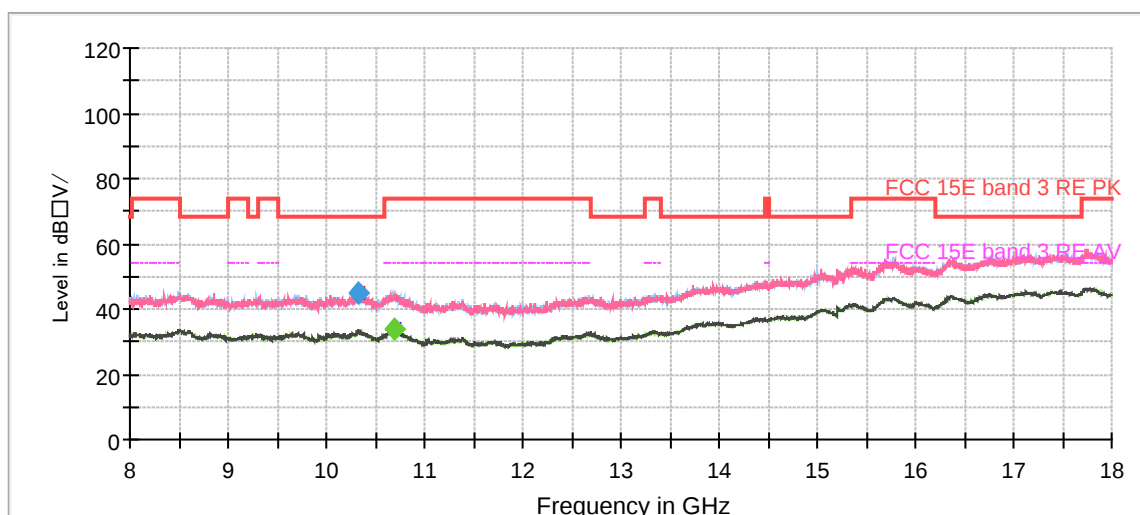
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1278.833333     | 44.66         | ---              | 68.20          | 23.54       | 200.0       | H            | 197.0         | -9.9                |
| 1363.300000     | ---           | 35.77            | 54.00          | 18.23       | 100.0       | H            | 54.0          | -9.6                |
| 1707.000000     | ---           | 35.38            | 54.00          | 18.62       | 100.0       | V            | 143.0         | -8.6                |
| 1777.000000     | 44.64         | ---              | 68.20          | 23.56       | 200.0       | H            | 0.0           | -8.6                |
| 1931.700000     | 44.72         | ---              | 68.20          | 23.48       | 100.0       | H            | 54.0          | -8.3                |
| 2251.600000     | ---           | 35.27            | 54.00          | 18.73       | 200.0       | H            | 0.0           | -7.1                |
| 2551.433333     | 46.97         | ---              | 68.20          | 21.23       | 200.0       | V            | 48.0          | -6.2                |
| 2809.033333     | ---           | 37.51            | 54.00          | 16.49       | 200.0       | V            | 250.0         | -6.0                |
| 3451.400000     | 48.68         | ---              | 68.20          | 19.52       | 200.0       | H            | 289.0         | -4.8                |
| 3807.000000     | ---           | 40.31            | 54.00          | 13.69       | 200.0       | V            | 0.0           | -4.0                |
| 7613.366667     | ---           | 47.11            | 54.00          | 6.89        | 200.0       | V            | 3.0           | 6.1                 |
| 7798.633333     | 56.94         | ---              | 68.20          | 11.26       | 200.0       | V            | 320.0         | 6.5                 |

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

# 802.11n (HT40) CH151



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



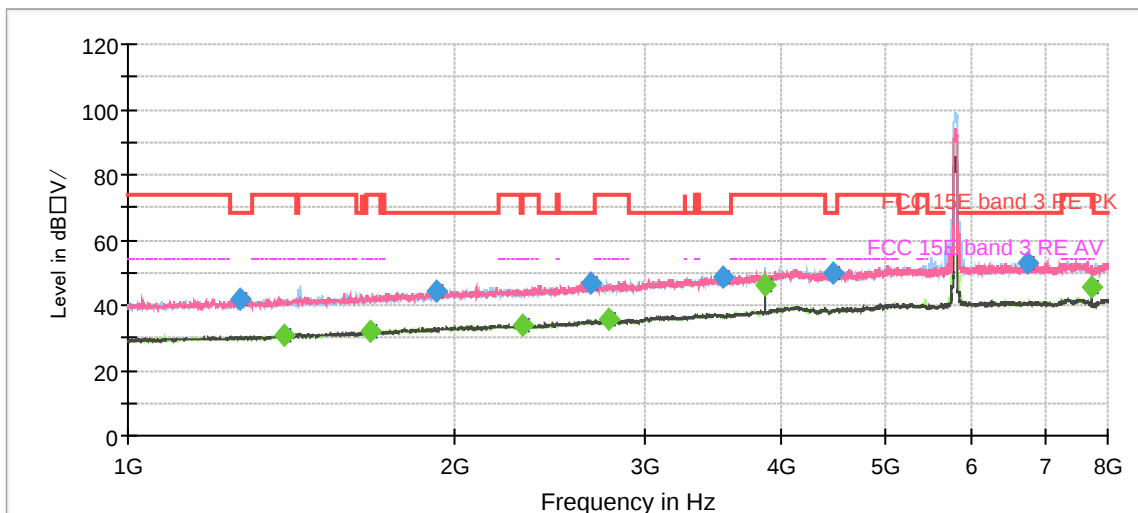
Radiates Emission from 8GHz to 18GHz



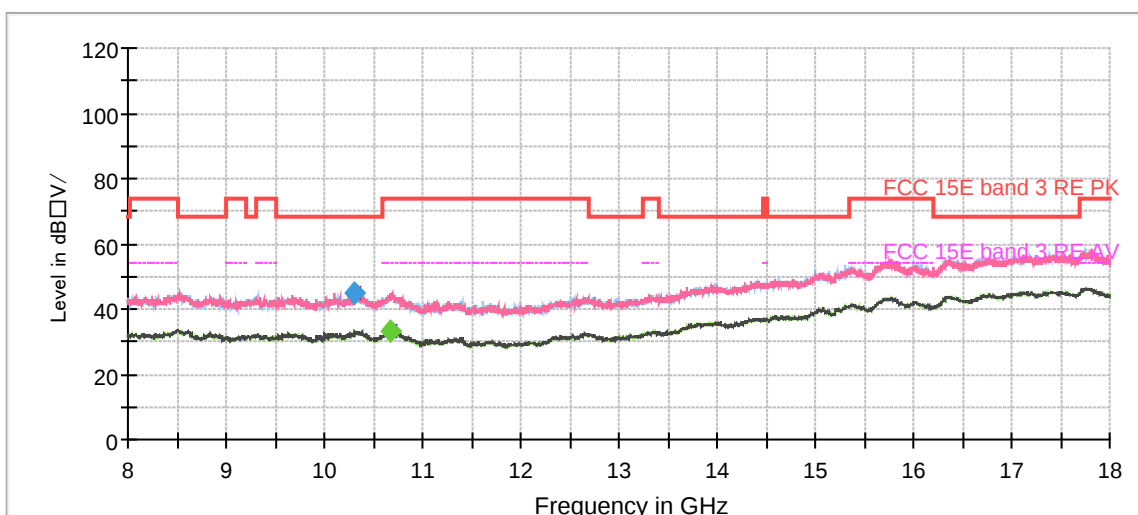
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1055.125000     | ---           | 33.14            | 54.00          | 20.86       | 100.0       | H            | 3.0           | -8.1                |
| 1263.375000     | 41.62         | ---              | 68.20          | 26.58       | 100.0       | H            | 188.0         | -6.9                |
| 1720.125000     | ---           | 32.15            | 54.00          | 21.85       | 200.0       | V            | 212.0         | -4.4                |
| 1981.750000     | 45.28         | ---              | 68.20          | 22.92       | 100.0       | V            | 122.0         | -2.8                |
| 2286.250000     | ---           | 33.54            | 54.00          | 20.46       | 200.0       | H            | 164.0         | -1.6                |
| 2398.250000     | 47.24         | ---              | 68.20          | 20.96       | 200.0       | V            | 181.0         | -1.2                |
| 2820.000000     | ---           | 35.52            | 54.00          | 18.48       | 100.0       | V            | 150.0         | 1.0                 |
| 3252.250000     | 49.04         | ---              | 68.20          | 19.16       | 200.0       | H            | 304.0         | 2.8                 |
| 3836.750000     | ---           | 45.39            | 54.00          | 8.61        | 100.0       | V            | 129.0         | 5.2                 |
| 4458.000000     | 49.95         | ---              | 68.20          | 18.25       | 200.0       | V            | 200.0         | 6.4                 |
| 6593.000000     | 52.94         | ---              | 68.20          | 15.26       | 100.0       | V            | 342.0         | 10.4                |
| 7673.625000     | ---           | 47.31            | 54.00          | 6.69        | 200.0       | V            | 304.0         | 11.3                |

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

# 802.11n (HT40) CH159



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



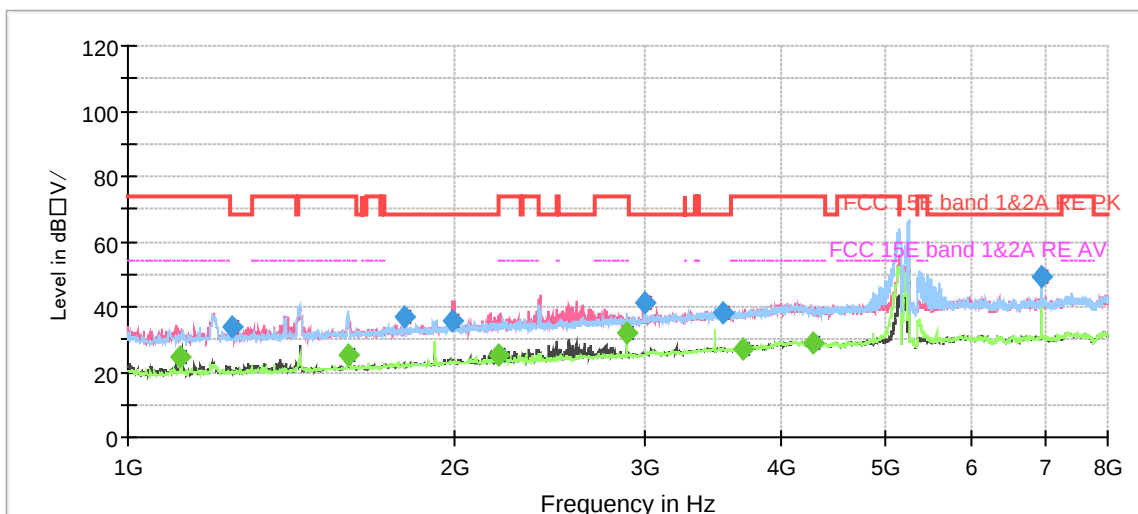
Radiates Emission from 8GHz to 18GHz



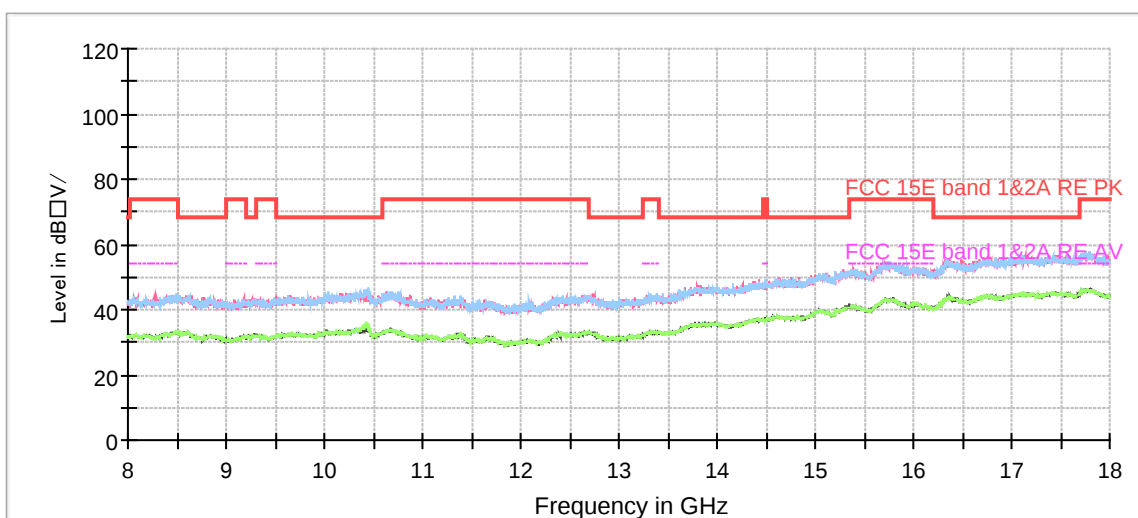
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1268.625000     | 42.11         | ---              | 68.20          | 26.09       | 100.0       | V            | 101.0         | -6.9                |
| 1395.500000     | ---           | 30.80            | 54.00          | 23.20       | 100.0       | V            | 17.0          | -6.2                |
| 1672.000000     | ---           | 32.18            | 54.00          | 21.82       | 100.0       | V            | 198.0         | -4.6                |
| 1927.500000     | 44.49         | ---              | 68.20          | 23.71       | 100.0       | H            | 69.0          | -3.1                |
| 2310.750000     | ---           | 33.61            | 54.00          | 20.39       | 100.0       | V            | 322.0         | -1.5                |
| 2674.750000     | 46.62         | ---              | 68.20          | 21.58       | 100.0       | V            | 0.0           | 0.5                 |
| 2779.750000     | ---           | 35.45            | 54.00          | 18.55       | 200.0       | H            | 21.0          | 0.9                 |
| 3541.875000     | 48.69         | ---              | 68.20          | 19.51       | 200.0       | H            | 167.0         | 3.8                 |
| 3863.000000     | ---           | 46.08            | 54.00          | 7.92        | 100.0       | H            | 62.0          | 5.3                 |
| 4468.500000     | 50.14         | ---              | 68.20          | 18.06       | 200.0       | H            | 246.0         | 6.4                 |
| 6744.375000     | 52.64         | ---              | 68.20          | 15.56       | 200.0       | V            | 0.0           | 10.5                |
| 7727.000000     | ---           | 45.39            | 54.00          | 8.61        | 200.0       | V            | 286.0         | 11.3                |

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

# 802.11ac (VHT80) CH42



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

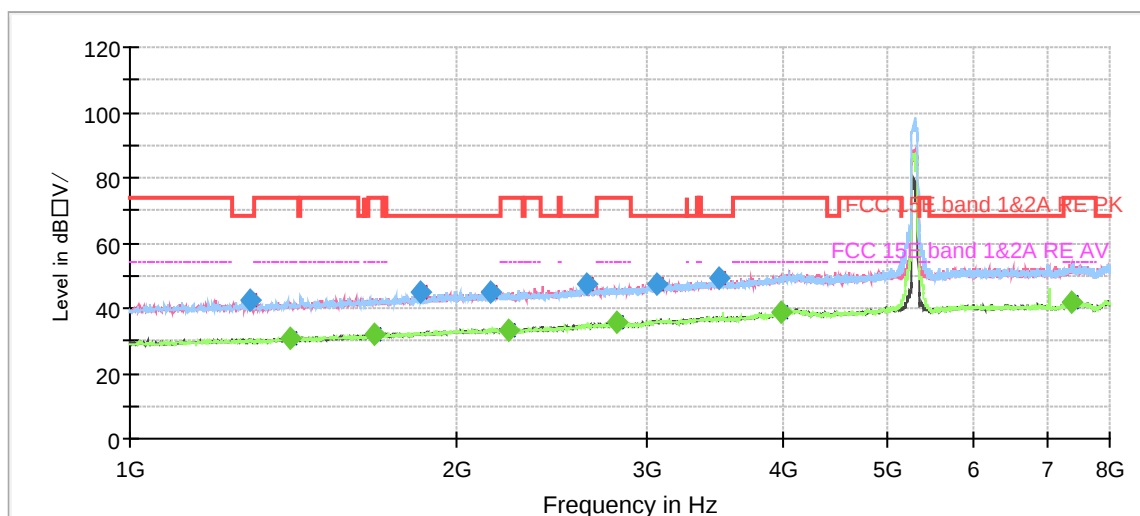


Radiates Emission from 8GHz to 18GHz

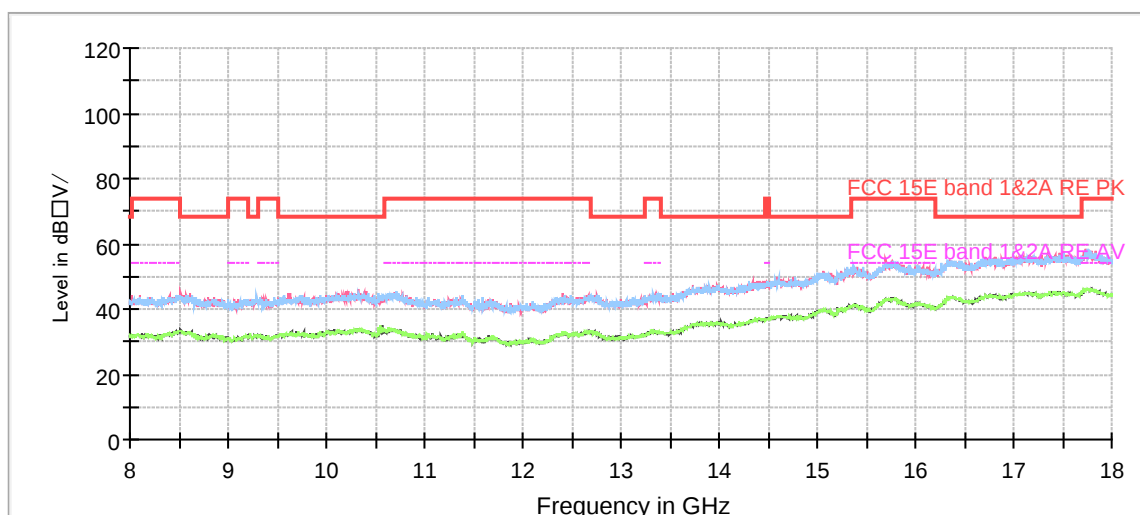
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1119.000000     | ---           | 24.81            | 54.00          | 29.19       | 100.0       | V            | 118.0         | -17.7               |
| 1245.875000     | 33.58         | ---              | 68.20          | 34.62       | 100.0       | V            | 194.0         | -17.0               |
| 1599.375000     | ---           | 25.25            | 54.00          | 28.75       | 100.0       | V            | 107.0         | -15.0               |
| 1794.500000     | 36.92         | ---              | 68.20          | 31.28       | 100.0       | H            | 210.0         | -13.8               |
| 1994.875000     | 35.81         | ---              | 68.20          | 32.39       | 100.0       | H            | 119.0         | -12.7               |
| 2200.500000     | ---           | 25.15            | 54.00          | 28.85       | 100.0       | V            | 54.0          | -11.8               |
| 2879.500000     | ---           | 31.83            | 54.00          | 22.17       | 200.0       | H            | 163.0         | -8.8                |
| 2995.875000     | 41.33         | ---              | 68.20          | 26.87       | 100.0       | H            | 324.0         | -8.1                |
| 3539.250000     | 38.35         | ---              | 68.20          | 29.85       | 100.0       | V            | 222.0         | -6.2                |
| 3695.000000     | ---           | 27.31            | 54.00          | 26.69       | 100.0       | V            | 48.0          | -5.5                |
| 4273.375000     | ---           | 28.62            | 54.00          | 25.38       | 200.0       | V            | 13.0          | -3.8                |
| 6946.500000     | 49.23         | ---              | 68.20          | 18.97       | 200.0       | H            | 336.0         | 0.7                 |

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

# 802.11ac (VHT80) CH58



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

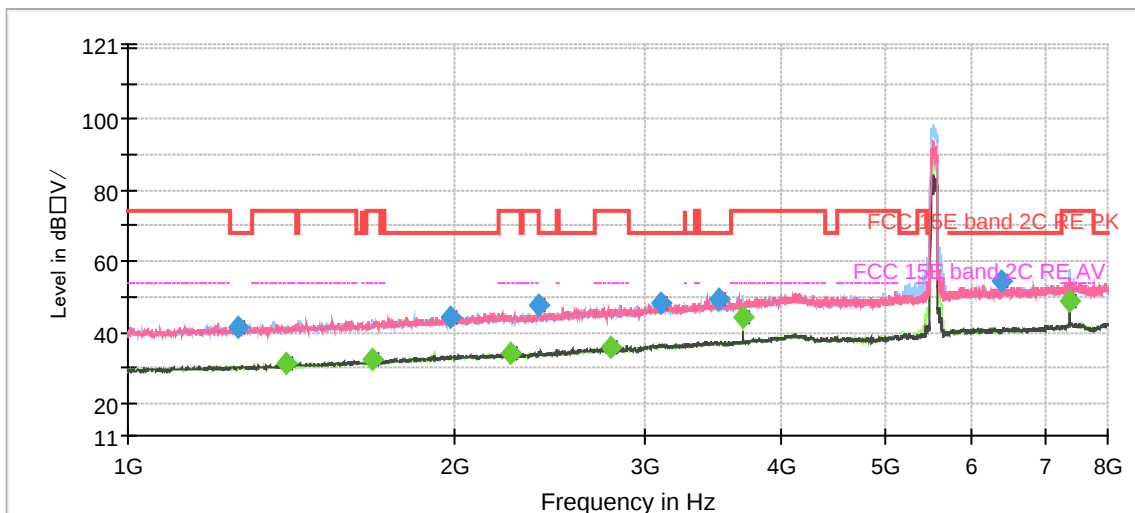


Radiates Emission from 8GHz to 18GHz

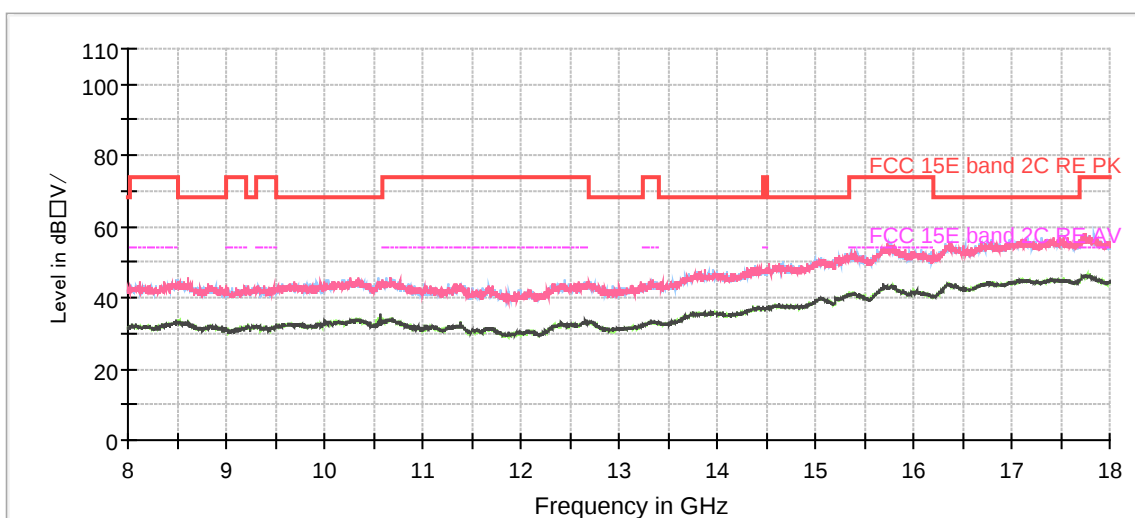
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1292.250000     | 42.46         | ---              | 68.20          | 25.74       | 200.0       | V            | 197.0         | -6.8                |
| 1406.000000     | ---           | 30.72            | 54.00          | 23.28       | 200.0       | V            | 336.0         | -6.1                |
| 1679.000000     | ---           | 31.91            | 54.00          | 22.09       | 200.0       | V            | 139.0         | -4.6                |
| 1852.250000     | 44.89         | ---              | 68.20          | 23.31       | 100.0       | H            | 6.0           | -3.6                |
| 2147.125000     | 44.68         | ---              | 68.20          | 23.52       | 100.0       | V            | 211.0         | -2.0                |
| 2237.250000     | ---           | 33.31            | 54.00          | 20.69       | 200.0       | V            | 98.0          | -1.7                |
| 2633.625000     | 47.10         | ---              | 68.20          | 21.10       | 100.0       | V            | 81.0          | 0.2                 |
| 2809.500000     | ---           | 35.50            | 54.00          | 18.50       | 200.0       | H            | 331.0         | 1.0                 |
| 3056.250000     | 47.15         | ---              | 68.20          | 21.05       | 200.0       | V            | 93.0          | 2.3                 |
| 3490.250000     | 49.31         | ---              | 68.20          | 18.89       | 100.0       | H            | 85.0          | 3.7                 |
| 3975.875000     | ---           | 38.83            | 54.00          | 15.17       | 100.0       | V            | 9.0           | 6.0                 |
| 7381.375000     | ---           | 42.03            | 54.00          | 11.97       | 100.0       | V            | 337.0         | 11.5                |

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

# 802.11ac (VHT80) CH106



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



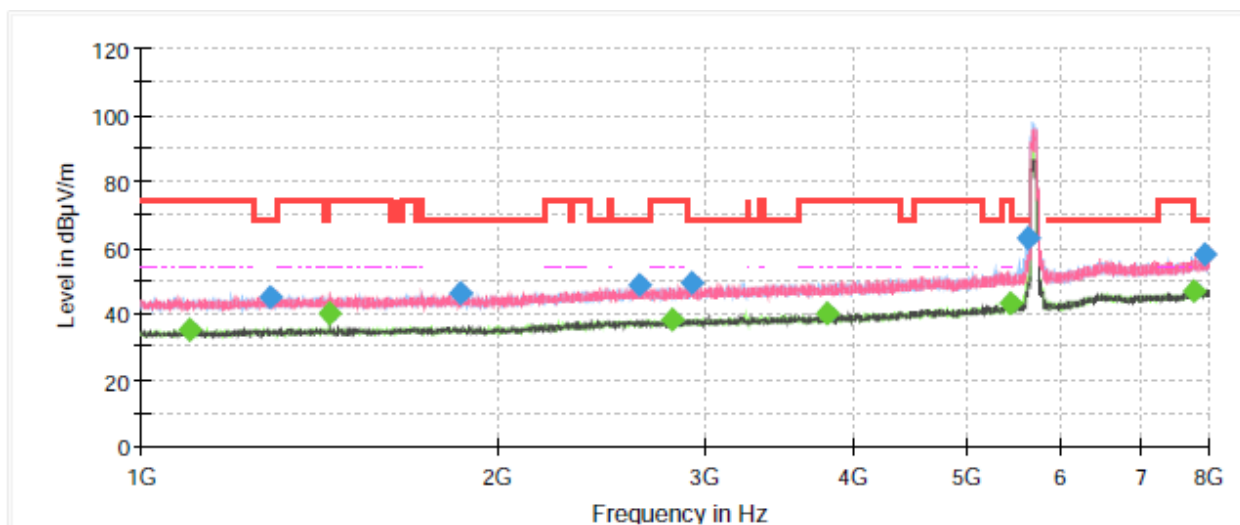
Radiates Emission from 8GHz to 18GHz



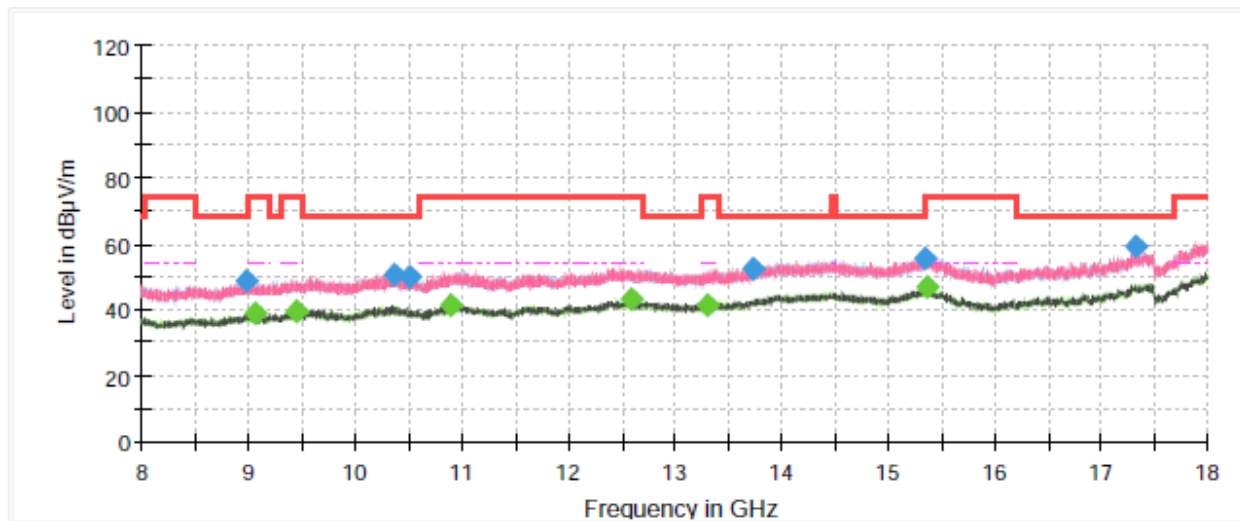
| Frequency<br>(MHz) | Peak<br>(dBuV/m) | Average<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Height<br>(cm) | Polarization | Azimuth<br>(deg) | Correct<br>Factor<br>(dB) |
|--------------------|------------------|---------------------|-------------------|----------------|----------------|--------------|------------------|---------------------------|
| 1261.625000        | 41.60            | ---                 | 68.20             | 26.60          | 100.0          | H            | 91.0             | -6.9                      |
| 1400.750000        | ---              | 31.07               | 54.00             | 22.93          | 200.0          | H            | 267.0            | -6.2                      |
| 1679.875000        | ---              | 32.22               | 54.00             | 21.78          | 100.0          | V            | 239.0            | -4.6                      |
| 1980.000000        | 44.56            | ---                 | 68.20             | 23.64          | 200.0          | V            | 106.0            | -2.8                      |
| 2249.500000        | ---              | 33.88               | 54.00             | 20.12          | 200.0          | H            | 299.0            | -1.7                      |
| 2390.375000        | 47.86            | ---                 | 68.20             | 20.34          | 200.0          | V            | 200.0            | -1.2                      |
| 2789.375000        | ---              | 35.73               | 54.00             | 18.27          | 100.0          | H            | 102.0            | 0.9                       |
| 3103.500000        | 48.05            | ---                 | 68.20             | 20.15          | 100.0          | H            | 102.0            | 2.5                       |
| 3500.750000        | 49.35            | ---                 | 68.20             | 18.85          | 200.0          | H            | 103.0            | 3.7                       |
| 3686.250000        | ---              | 44.16               | 54.00             | 9.84           | 200.0          | H            | 299.0            | 4.4                       |
| 6388.250000        | 54.40            | ---                 | 68.20             | 13.80          | 200.0          | V            | 52.0             | 10.3                      |
| 7373.500000        | ---              | 48.95               | 54.00             | 5.05           | 100.0          | V            | 0.0              | 11.5                      |

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

# 802.11ac (VHT80) CH138



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

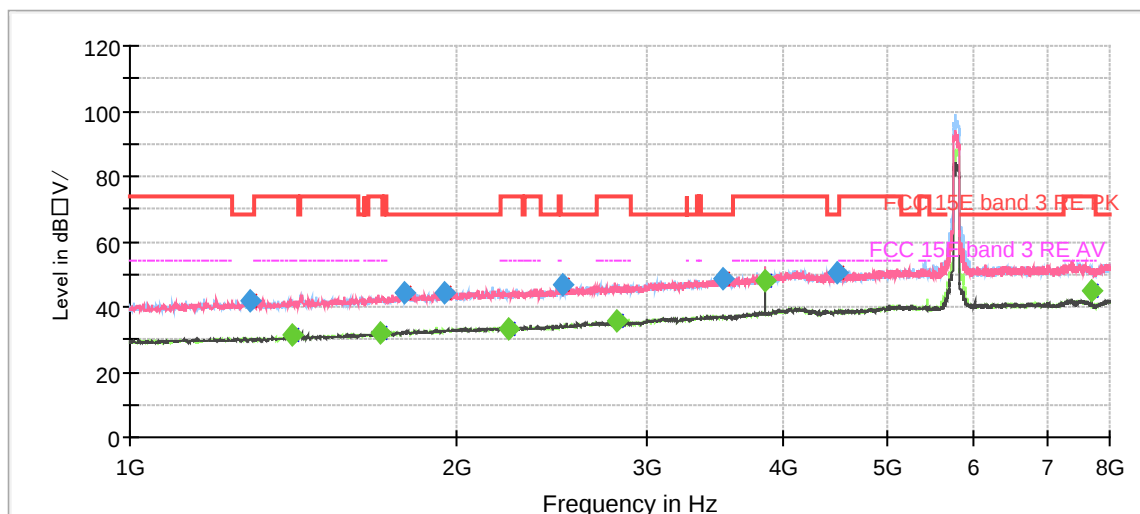


Radiates Emission from 8GHz to 18GHz

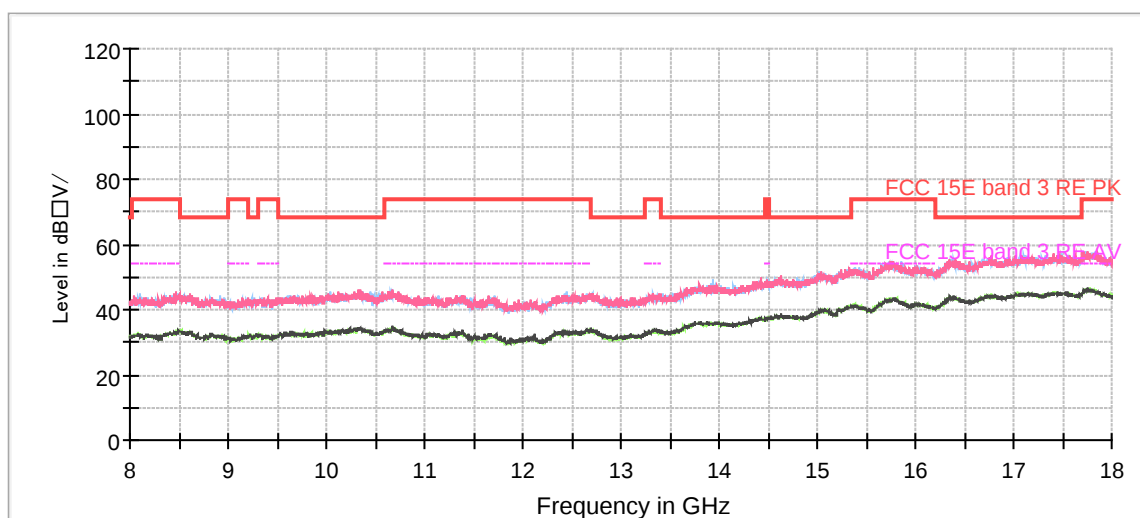
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1099.400000     | ---           | 34.81            | 54.00          | 19.19       | 100.0       | H            | 125.0         | -10.6               |
| 1285.833333     | 45.11         | ---              | 68.20          | 23.09       | 100.0       | H            | 285.0         | -9.8                |
| 1440.766667     | ---           | 39.99            | 54.00          | 14.01       | 200.0       | V            | 244.0         | -9.3                |
| 1860.533333     | 46.38         | ---              | 68.20          | 21.82       | 100.0       | H            | 359.0         | -8.4                |
| 2633.100000     | 48.88         | ---              | 68.20          | 19.32       | 100.0       | H            | 352.0         | -6.1                |
| 2808.566667     | ---           | 38.36            | 54.00          | 15.64       | 200.0       | H            | 358.0         | -6.0                |
| 2917.066667     | 49.23         | ---              | 68.20          | 18.97       | 100.0       | V            | 5.0           | -6.1                |
| 3793.233333     | ---           | 39.76            | 54.00          | 14.24       | 100.0       | H            | 259.0         | -4.0                |
| 5421.433333     | ---           | 42.95            | 54.00          | 11.05       | 100.0       | H            | 179.0         | 1.4                 |
| 5612.066667     | 63.00         | ---              | 68.20          | 5.20        | 100.0       | H            | 84.0          | 1.9                 |
| 7749.400000     | ---           | 46.66            | 54.00          | 7.34        | 100.0       | H            | 219.0         | 6.4                 |
| 7921.600000     | 57.62         | ---              | 68.20          | 10.58       | 100.0       | V            | 190.0         | 7.2                 |

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

# 802.11ac (VHT80) CH155



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



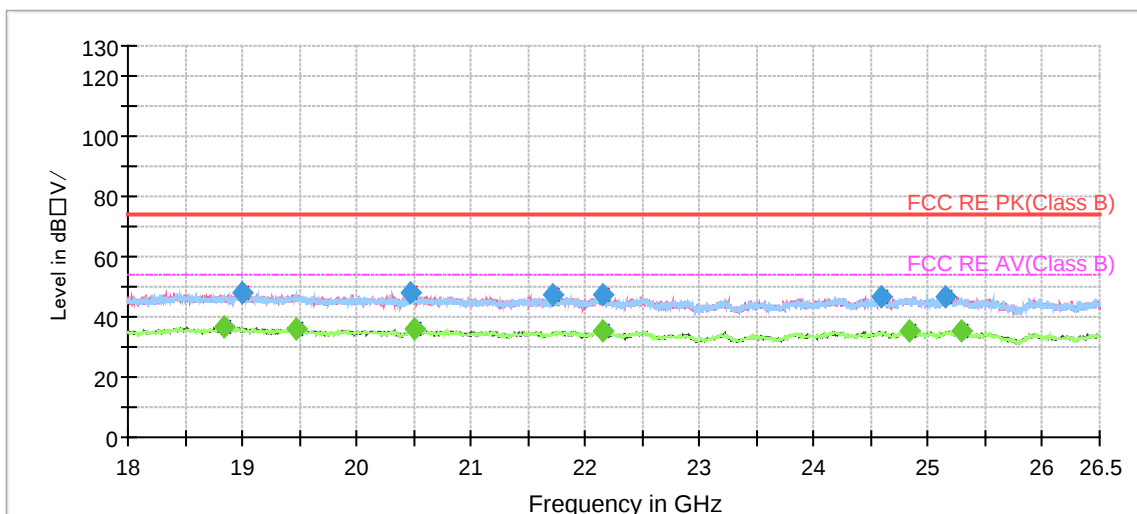
Radiates Emission from 8GHz to 18GHz



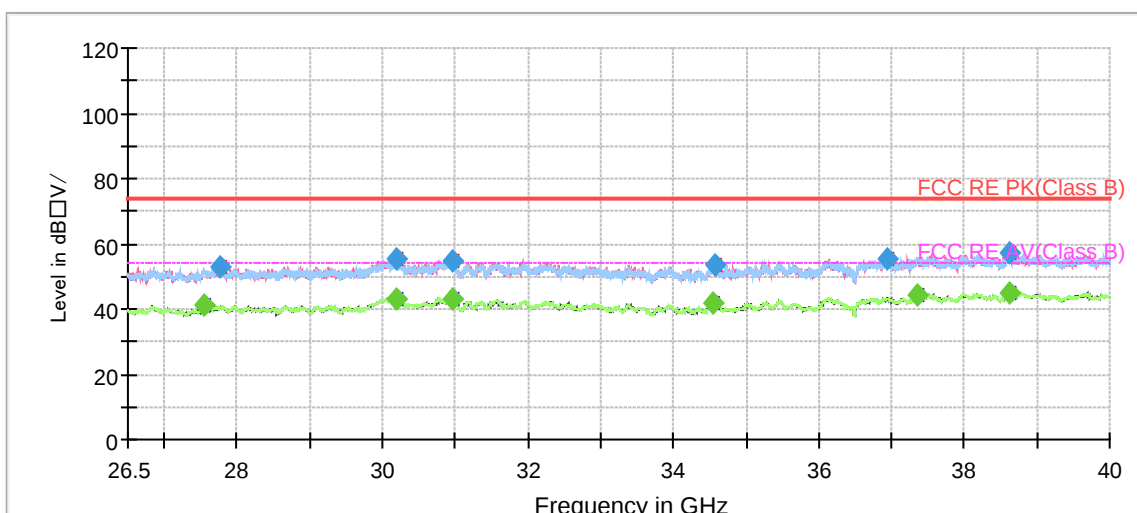
| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 1291.375000     | 41.77         | ---              | 68.20          | 26.43       | 100.0       | V            | 239.0         | -6.8                |
| 1413.000000     | ---           | 31.11            | 54.00          | 22.89       | 100.0       | H            | 0.0           | -6.1                |
| 1704.375000     | ---           | 32.02            | 54.00          | 21.98       | 200.0       | H            | 126.0         | -4.5                |
| 1789.250000     | 44.48         | ---              | 68.20          | 23.72       | 200.0       | H            | 89.0          | -3.9                |
| 1949.375000     | 44.49         | ---              | 68.20          | 23.71       | 200.0       | H            | 65.0          | -3.0                |
| 2234.625000     | ---           | 33.50            | 54.00          | 20.50       | 100.0       | V            | 0.0           | -1.7                |
| 2503.250000     | 46.80         | ---              | 68.20          | 21.40       | 100.0       | V            | 0.0           | -0.6                |
| 2813.000000     | ---           | 35.47            | 54.00          | 18.53       | 100.0       | V            | 24.0          | 1.0                 |
| 3517.375000     | 48.91         | ---              | 68.20          | 19.29       | 100.0       | H            | 192.0         | 3.8                 |
| 3849.875000     | ---           | 47.78            | 54.00          | 6.22        | 100.0       | V            | 167.0         | 5.2                 |
| 4484.250000     | 50.40         | ---              | 68.20          | 17.80       | 200.0       | H            | 138.0         | 6.4                 |
| 7700.750000     | ---           | 44.94            | 54.00          | 9.06        | 100.0       | H            | 309.0         | 11.3                |

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

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11n (HT20) CH100 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz



Radiates Emission from 26.5GHz to 40GHz



| Frequency (MHz) | Peak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------|------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 18834.062500    | ---           | 36.38            | 54.00          | 17.62       | 200.0       | V            | 65.0          | -4.8                |
| 19004.062500    | 47.94         | ---              | 74.00          | 26.06       | 200.0       | V            | 12.0          | -4.7                |
| 19466.250000    | ---           | 36.09            | 54.00          | 17.91       | 100.0       | V            | 309.0         | -4.6                |
| 20462.875000    | 47.72         | ---              | 74.00          | 26.28       | 100.0       | V            | 242.0         | -3.6                |
| 20505.375000    | ---           | 35.85            | 54.00          | 18.15       | 200.0       | V            | 172.0         | -3.5                |
| 21724.062500    | 47.02         | ---              | 74.00          | 26.98       | 100.0       | H            | 211.0         | -2.8                |
| 22153.312500    | 47.44         | ---              | 74.00          | 26.56       | 100.0       | H            | 22.0          | -2.2                |
| 22154.375000    | ---           | 35.54            | 54.00          | 18.46       | 200.0       | H            | 296.0         | -2.2                |
| 24581.125000    | 46.62         | ---              | 74.00          | 27.38       | 200.0       | H            | 266.0         | -0.7                |
| 24838.250000    | ---           | 35.53            | 54.00          | 18.47       | 200.0       | V            | 24.0          | -0.3                |
| 25159.125000    | 46.62         | ---              | 74.00          | 27.38       | 200.0       | H            | 0.0           | -0.1                |
| 25289.812500    | ---           | 35.40            | 54.00          | 18.60       | 100.0       | H            | 0.0           | -0.2                |

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

## 5.6. Conducted Emission

### Ambient condition

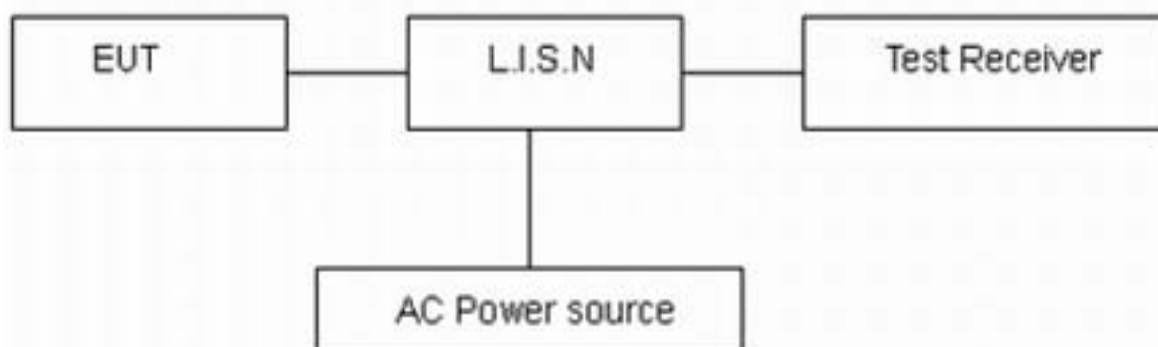
| Temperature | Relative humidity | Pressure |
|-------------|-------------------|----------|
| 23°C ~25°C  | 45%~50%           | 101.5kPa |

### Methods of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

### Limits

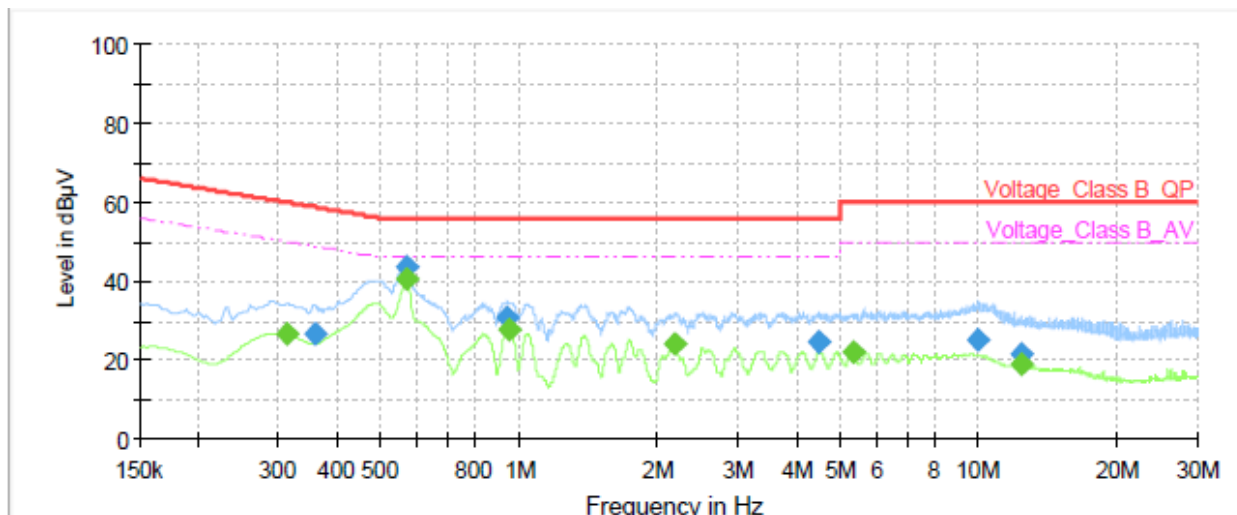
| Frequency<br>(MHz)                                | Conducted Limits(dB $\mu$ V) |           |
|---------------------------------------------------|------------------------------|-----------|
|                                                   | Quasi-peak                   | Average   |
| 0.15 - 0.5                                        | 66 to 56 *                   | 56 to 46* |
| 0.5 - 5                                           | 56                           | 46        |
| 5 - 30                                            | 60                           | 50        |
| *: Decreases with the logarithm of the frequency. |                              |           |

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.

## Test Results:

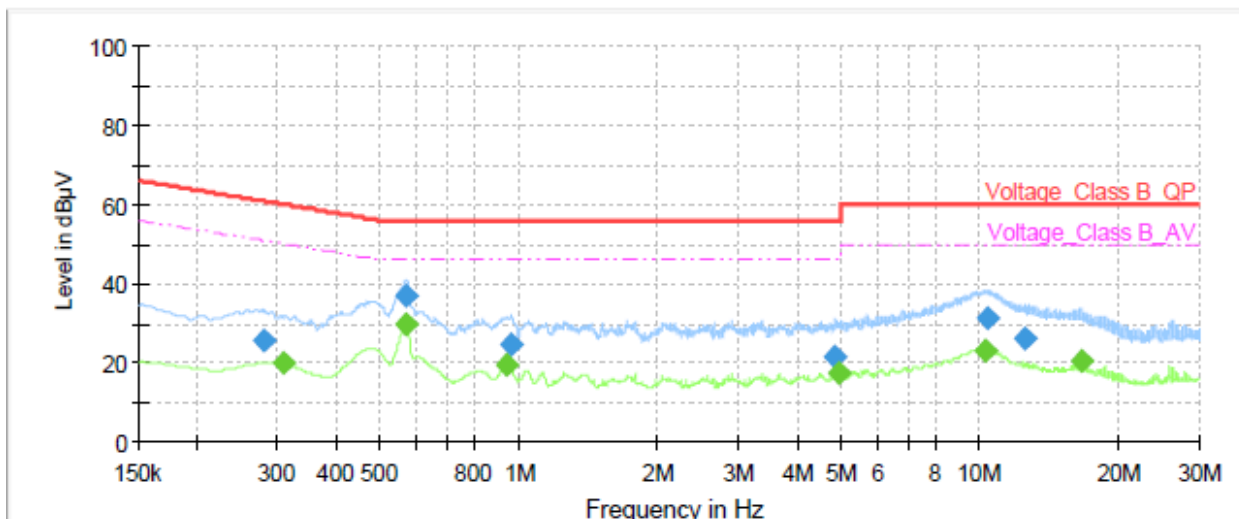
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11n (HT20) CH100 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.31            | ---              | 26.62          | 49.92        | 23.30       | 70.0            | 9.000           | L1   | ON     | 21         |
| 0.36            | 26.50            | ---            | 58.75        | 32.25       | 70.0            | 9.000           | L1   | ON     | 21         |
| 0.57            | ---              | 40.58          | 46.00        | 5.42        | 70.0            | 9.000           | L1   | ON     | 20         |
| 0.57            | 43.45            | ---            | 56.00        | 12.55       | 70.0            | 9.000           | L1   | ON     | 20         |
| 0.94            | 30.57            | ---            | 56.00        | 25.43       | 70.0            | 9.000           | L1   | ON     | 20         |
| 0.95            | ---              | 27.85          | 46.00        | 18.15       | 70.0            | 9.000           | L1   | ON     | 20         |
| 2.18            | ---              | 23.87          | 46.00        | 22.13       | 70.0            | 9.000           | L1   | ON     | 20         |
| 4.47            | 24.77            | ---            | 56.00        | 31.23       | 70.0            | 9.000           | L1   | ON     | 19         |
| 5.32            | ---              | 21.93          | 50.00        | 28.07       | 70.0            | 9.000           | L1   | ON     | 19         |
| 10.00           | 25.09            | ---            | 60.00        | 34.91       | 70.0            | 9.000           | L1   | ON     | 20         |
| 12.41           | 21.54            | ---            | 60.00        | 38.46       | 70.0            | 9.000           | L1   | ON     | 20         |
| 12.42           | ---              | 18.73          | 50.00        | 31.27       | 70.0            | 9.000           | L1   | ON     | 20         |

**Remark: Correct factor=cable loss + LISN factor**

L line Conducted Emission from 150 KHz to 30 MHz



| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.28            | 25.68            | ---            | 60.80        | 35.12       | 70.0            | 9.000           | N    | ON     | 21         |
| 0.31            | ---              | 19.86          | 50.04        | 30.18       | 70.0            | 9.000           | N    | ON     | 21         |
| 0.57            | ---              | 29.99          | 46.00        | 16.01       | 70.0            | 9.000           | N    | ON     | 20         |
| 0.57            | 36.86            | ---            | 56.00        | 19.14       | 70.0            | 9.000           | N    | ON     | 20         |
| 0.94            | ---              | 19.65          | 46.00        | 26.35       | 70.0            | 9.000           | N    | ON     | 20         |
| 0.96            | 24.54            | ---            | 56.00        | 31.46       | 70.0            | 9.000           | N    | ON     | 20         |
| 4.82            | 21.75            | ---            | 56.00        | 34.25       | 70.0            | 9.000           | N    | ON     | 19         |
| 4.95            | ---              | 17.29          | 46.00        | 28.71       | 70.0            | 9.000           | N    | ON     | 19         |
| 10.34           | ---              | 23.20          | 50.00        | 26.80       | 70.0            | 9.000           | N    | ON     | 20         |
| 10.37           | 31.48            | ---            | 60.00        | 28.52       | 70.0            | 9.000           | N    | ON     | 20         |
| 12.52           | 26.01            | ---            | 60.00        | 33.99       | 70.0            | 9.000           | N    | ON     | 20         |
| 16.56           | ---              | 20.44          | 50.00        | 29.56       | 70.0            | 9.000           | N    | ON     | 20         |

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

## 6. Main Test Instruments

Date of Testing: April 26, 2021~ April 29, 2021

| Name                     | Manufacturer | Type                  | Serial Number      | Calibration Date | Expiration Date |
|--------------------------|--------------|-----------------------|--------------------|------------------|-----------------|
| Spectrum Analyzer        | R&S          | FSV40                 | 15195-01-00        | 2020-05-18       | 2021-05-17      |
| EMI Test Receiver        | R&S          | ESCI                  | 100948             | 2020-05-18       | 2021-05-17      |
| Loop Antenna             | SCHWARZBECK  | FMZB1519              | 1519-047           | 2020-04-02       | 2023-04-01      |
| TRILOG Broadband Antenna | SCHWARZBECK  | VULB 9163             | 391                | 2019-12-16       | 2021-12-15      |
| Horn Antenna             | R&S          | HF907                 | 102723             | 2018-08-11       | 2021-08-10      |
| Horn Antenna             | ETS-Lindgren | 3160-09               | 00102643           | 2018-06-20       | 2021-06-19      |
| Standard Gain Horn       | STEATITE     | QSH-SL-26-40<br>-K-15 | 16779              | 2019-12-24       | 2022-12-23      |
| Broadband Horn Antenna   | SCHWARZBECK  | BBHA 9120D            | 430                | 2018-07-07       | 2021-07-06      |
| EMI Test Receiver        | R&S          | ESR                   | 101667             | 2020-05-18       | 2021-05-17      |
| LISN                     | R&S          | ENV216                | 101171             | 2018-12-15       | 2021-12-14      |
| Spectrum Analyzer        | KEYSIGHT     | N9020A                | MY54420163         | 2020-05-18       | 2021-05-17      |
| RF Cable                 | Agilent      | SMA 15cm              | 0001               | 2020-12-12       | 2021-06-11      |
| TEMPERATURE CHAMBER      | WEISS        | VT4002                | 582261194500<br>10 | 2020-05-18       | 2021-05-17      |
| Power Meter              | R&S          | NRP2                  | 104306             | 2020-05-18       | 2021-05-17      |
| Power Sensor             | R&S          | NRP-Z21               | 104799             | 2020-05-18       | 2021-05-17      |
| DC Power Supply          | GWINSTEK     | GPS-3030D             | GEP882653          | 2020-05-18       | 2021-05-17      |
| Software                 | R&S          | EMC32                 | 9.26.0             | /                | /               |



Date of Testing: July 9, 2021~ July 10, 2021

| Name                     | Manufacturer | Type                  | Serial Number      | Calibration Date | Expiration Date |
|--------------------------|--------------|-----------------------|--------------------|------------------|-----------------|
| Spectrum Analyzer        | R&S          | FSV40                 | 15195-01-00        | 2021-05-15       | 2022-05-14      |
| EMI Test Receiver        | R&S          | ESCI                  | 100948             | 2021-05-15       | 2022-05-14      |
| Loop Antenna             | SCHWARZBECK  | FMZB1519              | 1519-047           | 2020-04-02       | 2023-04-01      |
| TRILOG Broadband Antenna | SCHWARZBECK  | VULB 9163             | 391                | 2019-12-16       | 2022-12-15      |
| Horn Antenna             | R&S          | HF907                 | 102723             | 2018-08-11       | 2021-08-10      |
| Horn Antenna             | ETS-Lindgren | 3160-09               | 00102643           | 2018-06-20       | 2021-06-19      |
| Standard Gain Horn       | STEATITE     | QSH-SL-26-40<br>-K-15 | 16779              | 2019-12-24       | 2022-12-23      |
| Broadband Horn Antenna   | SCHWARZBECK  | BBHA 9120D            | 430                | 2018-07-07       | 2021-07-06      |
| EMI Test Receiver        | R&S          | ESR                   | 101667             | 2021-05-16       | 2022-05-15      |
| LISN                     | R&S          | ENV216                | 101171             | 2018-12-15       | 2021-12-14      |
| Spectrum Analyzer        | KEYSIGHT     | N9020A                | MY54420163         | 2020-12-13       | 2021-12-12      |
| RF Cable                 | Agilent      | SMA 15cm              | 0001               | 2021-06-12       | 2021-12-11      |
| TEMPERATURE CHAMBER      | WEISS        | VT4002                | 582261194500<br>10 | 2020-12-13       | 2021-12-12      |
| Power Meter              | R&S          | NRP                   | 104306             | 2021-05-15       | 2022-05-14      |
| Power Sensor             | R&S          | NRP-Z21               | 104799             | 2021-05-15       | 2022-05-14      |
| DC Power Supply          | GWINSTEK     | GPS-3030D             | GEP882653          | 2021-05-15       | 2022-05-14      |
| Software                 | R&S          | EMC32                 | 9.26.0             | /                | /               |

\*\*\*\*\*END OF REPORT \*\*\*\*\*



## **ANNEX A: The EUT Appearance**

The EUT Appearance are submitted separately.



## ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.



## **ANNEX C: Product Change Description**

The Product Change Description are submitted separately.