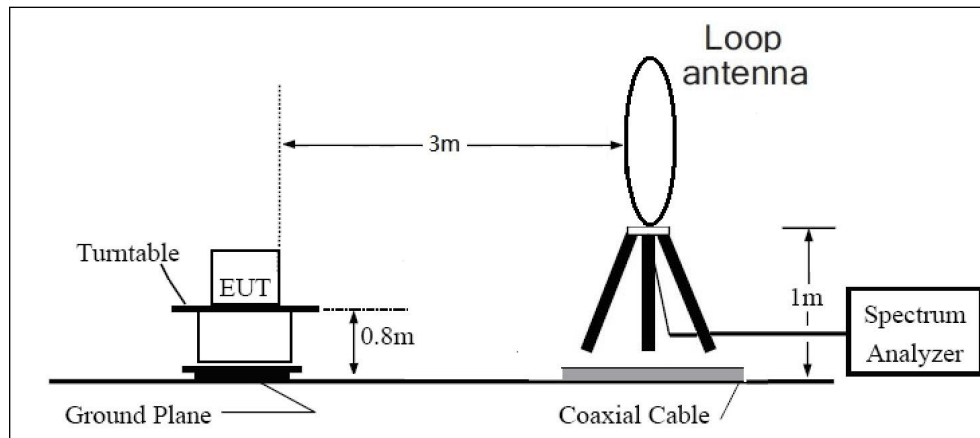
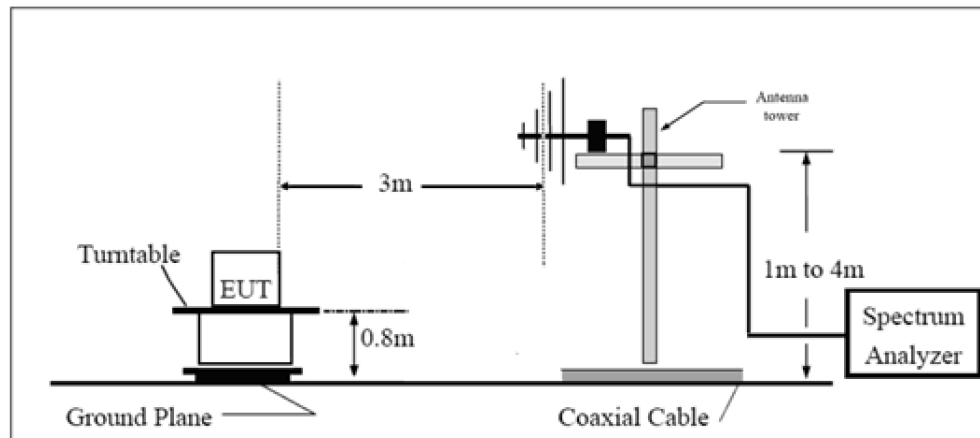


Test setup

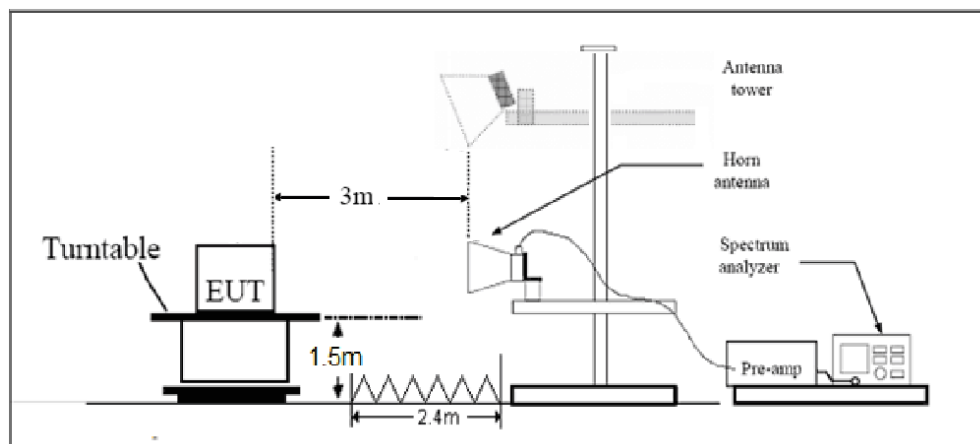
9kHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

## Limits

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

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

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

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

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

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

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

| MHz                        | MHz                   | MHz             | GHz              |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2690 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |
| 13.36 - 13.41              |                       |                 |                  |

### Measurement Uncertainty

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

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

## Test Results:

The following graphs display the maximum values of horizontal and vertical by software.  
Blue trace uses the peak detection, Green trace uses the average detection.

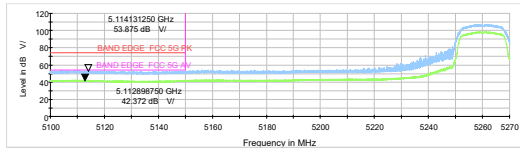
The signal beyond the limit is carrier.

### U-NII-1

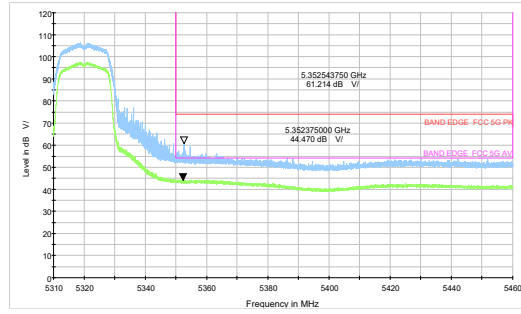


U-NII-2A

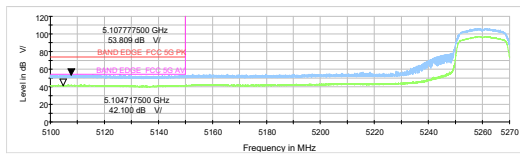
802.11a-Channel 52: Peak + Average



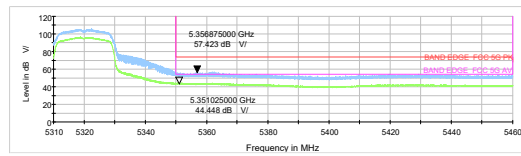
802.11a-Channel 64: Peak + Average



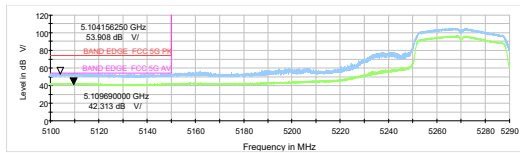
802.11n HT20-Channel 52: Peak + Average



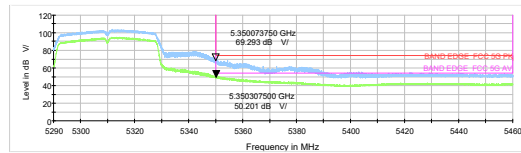
802.11n HT20-Channel 64: Peak + Average



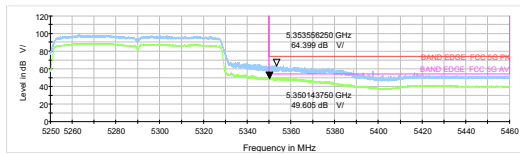
802.11n HT40-Channel 54: Peak + Average



802.11n HT40-Channel 62: Peak + Average

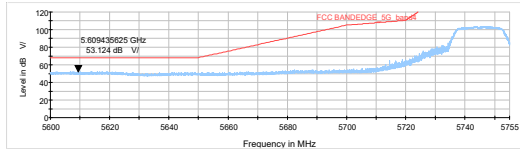


802.11ac VHT80 -Channel 58: Peak + Average

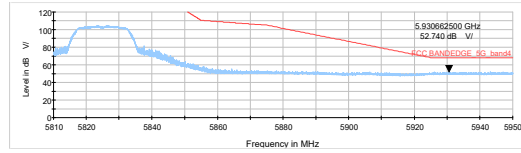


U-NII-3

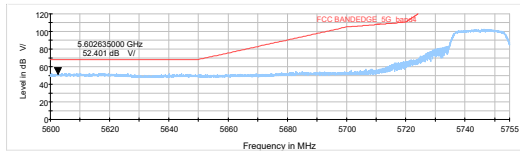
802.11a-Channel 149: Peak



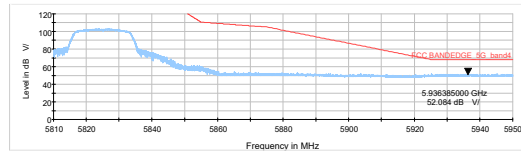
802.11a-Channel 165: Peak



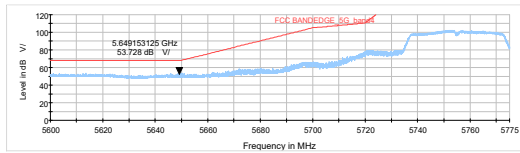
802.11n HT20-Channel 149: Peak



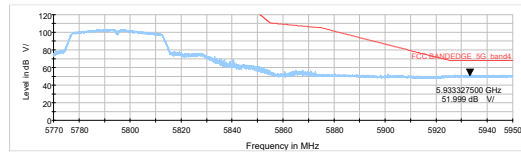
802.11n HT20-Channel 165: Peak



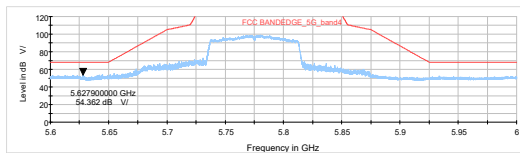
802.11n HT40-Channel 151: Peak



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.

### Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. A symbol (  $\text{dB}\mu\text{V/m}$  ) in the test plot below means (dB $\mu\text{V/m}$ )  
A symbol (  $\text{dB V/m}$  ) in the test plot below means (dBV/m)
4. **For below 1GHz**

 QP Level @Spectrum Overview H 
  QP Level @Spectrum Overview V 
  QP Level @Final Results 
  QP Limit

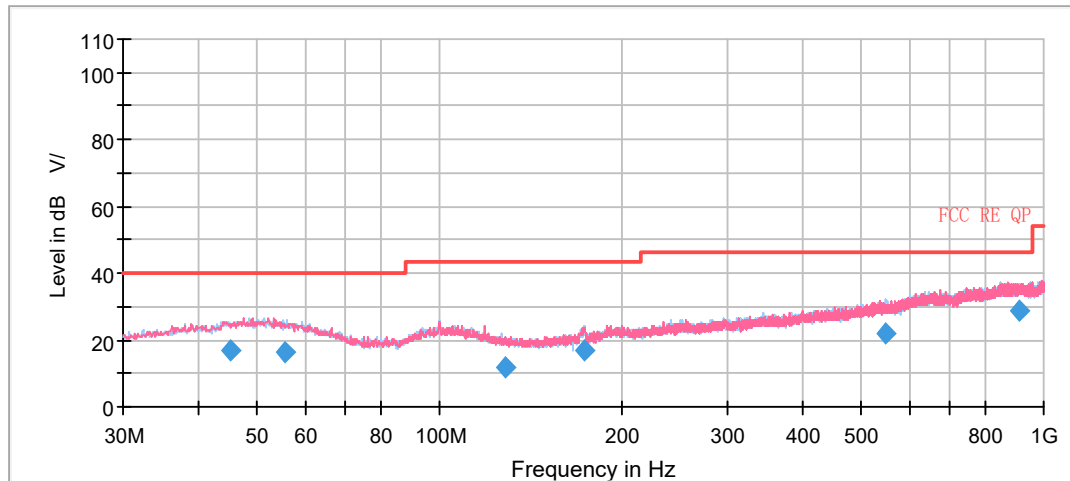
### For above 1GHz

 PK Level @Spectrum Overview H 
  PK Level @Spectrum Overview V 
  PK Level @Final Results 
  PK Limit

 AVG Level @Spectrum Overview H 
  AVG Level @Spectrum Overview V 
  AVG Level @Final Results 
  AVG Limit

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.

### Continuous TX mode:



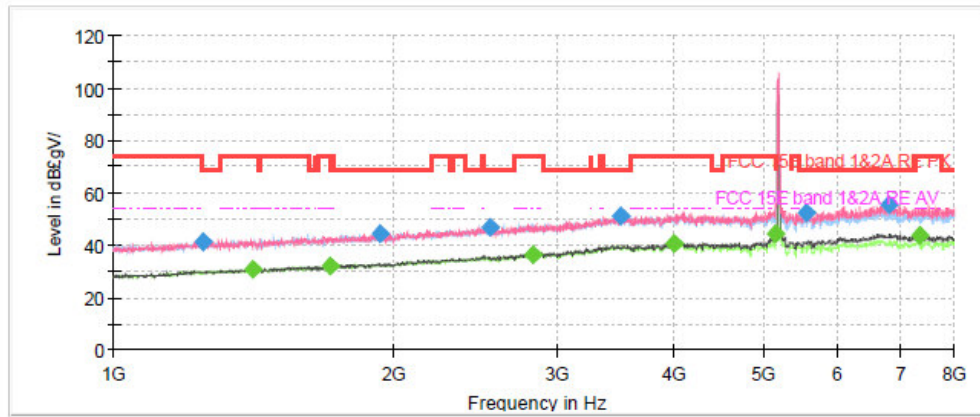
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dB $\mu\text{V/m}$ ) | Limit (dB $\mu\text{V/m}$ ) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|----------------------------------|-----------------------------|-------------|-------------|--------------|---------------|---------------------|
| 45.031250       | 17.07                            | 40.00                       | 22.93       | 175.0       | V            | 61.0          | 20.9                |
| 55.387500       | 16.50                            | 40.00                       | 23.50       | 211.0       | H            | 34.0          | 20.6                |
| 128.740000      | 11.74                            | 43.50                       | 31.76       | 210.0       | H            | 168.0         | 16.0                |
| 173.925000      | 16.82                            | 43.50                       | 26.68       | 197.0       | V            | 311.0         | 20.0                |
| 547.372500      | 22.14                            | 46.00                       | 23.86       | 223.0       | H            | 231.0         | 26.1                |
| 908.775000      | 28.55                            | 46.00                       | 17.45       | 109.0       | V            | 229.0         | 31.0                |

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

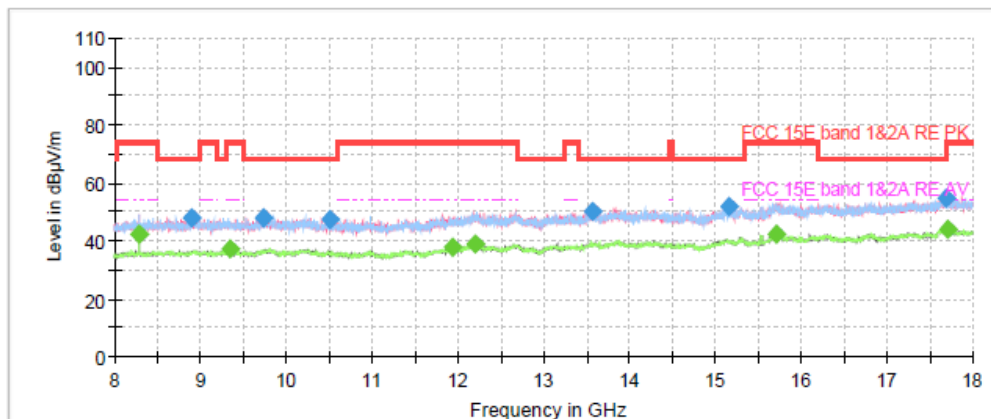
2. **Margin = Limit – Quasi-Peak**

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## Final Result

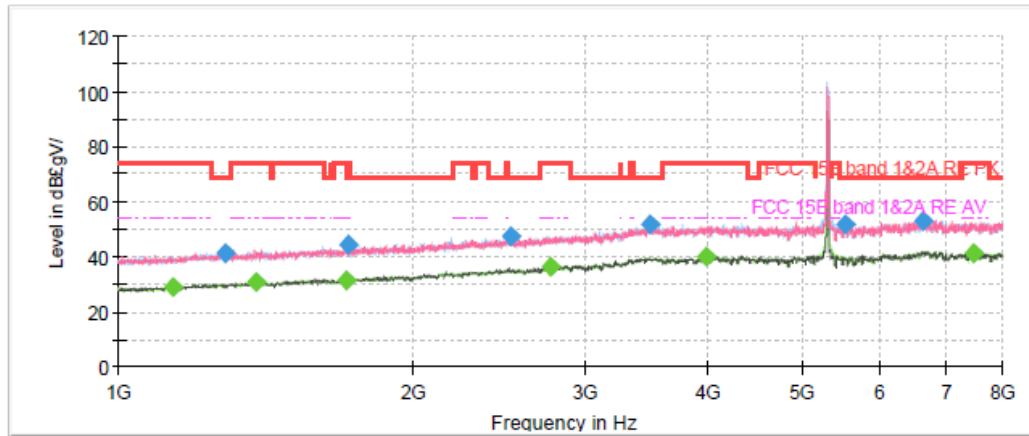
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1246.750000     | 41.31            | ---              | 68.20          | 26.89       | 500.0           | 200.0       | V   | 250.0         | -8.6         |
| 1413.875000     | ---              | 30.88            | 54.00          | 23.12       | 500.0           | 200.0       | V   | 339.0         | -7.5         |
| 1709.625000     | ---              | 32.07            | 54.00          | 21.93       | 500.0           | 200.0       | V   | 9.0           | -5.9         |
| 1934.500000     | 44.16            | ---              | 68.20          | 24.04       | 500.0           | 200.0       | H   | 323.0         | -4.8         |
| 2535.625000     | 46.93            | ---              | 68.20          | 21.27       | 500.0           | 200.0       | H   | 288.0         | -2.2         |
| 2824.375000     | ---              | 36.52            | 54.00          | 17.48       | 500.0           | 200.0       | V   | 0.0           | -1.2         |
| 3505.125000     | 50.91            | ---              | 68.20          | 17.29       | 500.0           | 200.0       | V   | 52.0          | 1.8          |
| 3993.375000     | ---              | 40.71            | 54.00          | 13.29       | 500.0           | 200.0       | V   | 0.0           | 3.2          |
| 5148.375000     | ---              | 44.46            | 54.00          | 9.54        | 500.0           | 200.0       | V   | 80.0          | 5.0          |
| 5557.000000     | 52.49            | ---              | 68.20          | 15.71       | 500.0           | 200.0       | V   | 0.0           | 5.4          |
| 6818.750000     | 55.35            | ---              | 68.20          | 12.85       | 500.0           | 200.0       | V   | 13.0          | 6.8          |
| 7340.250000     | ---              | 43.43            | 54.00          | 10.57       | 500.0           | 200.0       | V   | 36.0          | 7.0          |



## Final Result

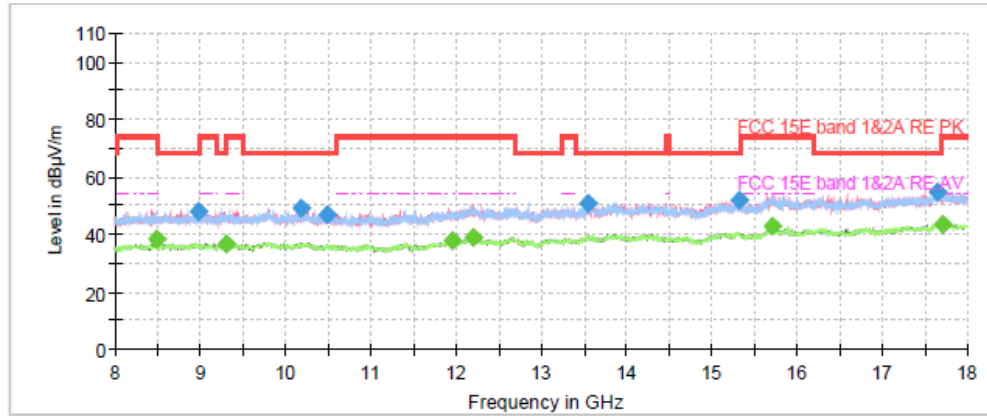
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8287.500000     | ---              | 42.55            | 54.00          | 11.45       | 500.0           | 200.0       | H   | 2.0           | 2.8        |
| 8905.000000     | 47.90            | ---              | 68.20          | 20.30       | 500.0           | 100.0       | V   | 45.0          | 3.2        |
| 9340.000000     | ---              | 37.02            | 54.00          | 16.98       | 500.0           | 100.0       | V   | 34.0          | 3.0        |
| 9742.500000     | 48.08            | ---              | 68.20          | 20.12       | 500.0           | 200.0       | H   | 45.0          | 3.2        |
| 10505.000000    | 47.63            | ---              | 68.20          | 20.57       | 500.0           | 200.0       | V   | 45.0          | 2.4        |
| 11941.250000    | ---              | 37.71            | 54.00          | 16.29       | 500.0           | 200.0       | V   | 0.0           | 3.8        |
| 12206.250000    | ---              | 39.04            | 54.00          | 14.96       | 500.0           | 100.0       | V   | 24.0          | 4.6        |
| 13563.750000    | 50.39            | ---              | 68.20          | 17.81       | 500.0           | 200.0       | V   | 24.0          | 5.6        |
| 15158.750000    | 51.85            | ---              | 68.20          | 16.35       | 500.0           | 100.0       | V   | 0.0           | 5.4        |
| 15718.750000    | ---              | 42.56            | 54.00          | 11.44       | 500.0           | 200.0       | H   | 11.0          | 5.9        |
| 17686.250000    | 54.55            | ---              | 68.20          | 13.65       | 500.0           | 200.0       | V   | 43.0          | 9.8        |
| 17713.750000    | ---              | 43.84            | 54.00          | 10.16       | 500.0           | 200.0       | V   | 45.0          | 9.9        |

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### Final Result

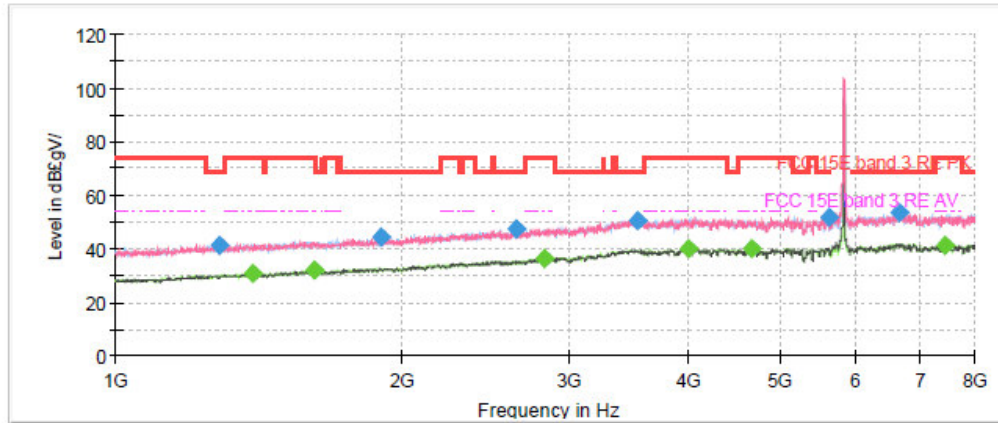
| Frequency (MHz) | MaxPeak (dBµgV/m) | Average (dBµgV/m) | Limit (dBµgV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1133.875000     | ---               | 28.74             | 54.00           | 25.26       | 500.0           | 200.0       | H   | 227.0         | -9.8         |
| 1287.875000     | 41.12             | ---               | 68.20           | 27.08       | 500.0           | 200.0       | H   | 241.0         | -8.3         |
| 1379.750000     | ---               | 30.56             | 54.00           | 23.44       | 500.0           | 200.0       | H   | 259.0         | -7.7         |
| 1709.625000     | ---               | 31.61             | 54.00           | 22.39       | 500.0           | 200.0       | H   | 204.0         | -5.9         |
| 1717.500000     | 44.58             | ---               | 68.20           | 23.62       | 500.0           | 200.0       | V   | 130.0         | -5.9         |
| 2513.750000     | 47.26             | ---               | 68.20           | 20.94       | 500.0           | 200.0       | H   | 82.0          | -2.1         |
| 2767.500000     | ---               | 36.29             | 54.00           | 17.71       | 500.0           | 200.0       | V   | 58.0          | -1.4         |
| 3492.875000     | 51.48             | ---               | 68.20           | 16.72       | 500.0           | 200.0       | H   | 154.0         | 1.8          |
| 3978.500000     | ---               | 39.77             | 54.00           | 14.23       | 500.0           | 200.0       | V   | 125.0         | 3.1          |
| 5537.750000     | 51.93             | ---               | 68.20           | 16.27       | 500.0           | 200.0       | V   | 44.0          | 5.3          |
| 6624.500000     | 53.20             | ---               | 68.20           | 15.00       | 500.0           | 200.0       | V   | 84.0          | 6.6          |
| 7461.875000     | ---               | 41.29             | 54.00           | 12.71       | 500.0           | 200.0       | H   | 185.0         | 7.0          |



## Final Result

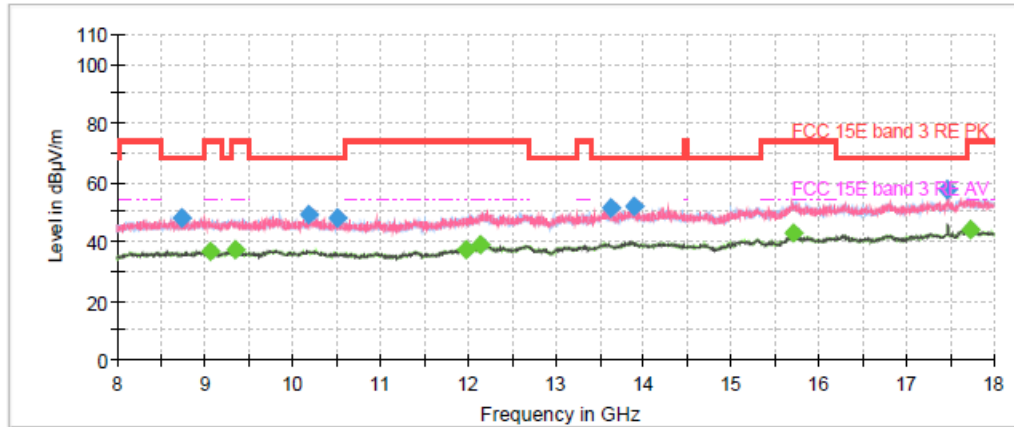
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8480.000000     | ---              | 38.10            | 54.00          | 15.90       | 500.0           | 200.0       | V   | 45.0          | 2.9        |
| 8987.500000     | 47.75            | ---              | 68.20          | 20.45       | 500.0           | 100.0       | V   | 45.0          | 3.1        |
| 9312.500000     | ---              | 36.65            | 54.00          | 17.35       | 500.0           | 100.0       | H   | 0.0           | 3.0        |
| 10185.000000    | 48.85            | ---              | 68.20          | 19.35       | 500.0           | 200.0       | H   | 0.0           | 2.7        |
| 10486.250000    | 46.89            | ---              | 68.20          | 21.31       | 500.0           | 200.0       | H   | 22.0          | 2.4        |
| 11958.750000    | ---              | 37.53            | 54.00          | 16.47       | 500.0           | 100.0       | V   | 0.0           | 3.9        |
| 12203.750000    | ---              | 39.17            | 54.00          | 14.83       | 500.0           | 200.0       | H   | 0.0           | 4.6        |
| 13558.750000    | 50.72            | ---              | 68.20          | 17.48       | 500.0           | 200.0       | V   | 0.0           | 5.6        |
| 15327.500000    | 52.08            | ---              | 68.20          | 16.12       | 500.0           | 100.0       | H   | 0.0           | 5.5        |
| 15713.750000    | ---              | 42.65            | 54.00          | 11.35       | 500.0           | 200.0       | H   | 22.0          | 5.9        |
| 17660.000000    | 54.69            | ---              | 68.20          | 13.51       | 500.0           | 200.0       | H   | 22.0          | 9.8        |
| 17711.250000    | ---              | 43.68            | 54.00          | 10.32       | 500.0           | 100.0       | H   | 45.0          | 9.9        |

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## Final Result

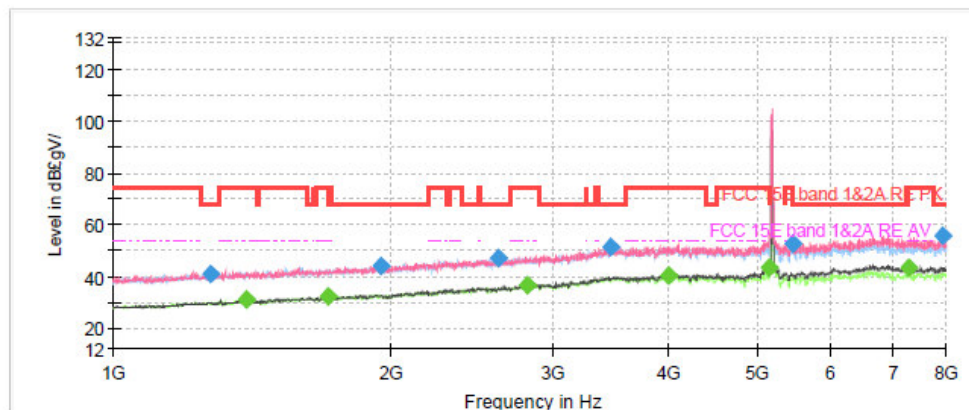
| Frequency (MHz) | MaxPeak (dBµgV/m) | Average (dBµgV/m) | Limit (dBµgV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1287.875000     | 41.07             | ---               | 68.20           | 27.13       | 500.0           | 200.0       | H   | 283.0         | -8.3         |
| 1391.125000     | ---               | 30.71             | 54.00           | 23.29       | 500.0           | 200.0       | V   | 118.0         | -7.6         |
| 1617.750000     | ---               | 31.80             | 54.00           | 22.20       | 500.0           | 200.0       | H   | 269.0         | -6.3         |
| 1903.000000     | 44.38             | ---               | 68.20           | 23.82       | 500.0           | 200.0       | H   | 237.0         | -5.0         |
| 2636.250000     | 47.40             | ---               | 68.20           | 20.80       | 500.0           | 200.0       | H   | 292.0         | -2.0         |
| 2825.250000     | ---               | 36.12             | 54.00           | 17.88       | 500.0           | 200.0       | V   | 65.0          | -1.2         |
| 3536.625000     | 50.63             | ---               | 68.20           | 17.57       | 500.0           | 200.0       | V   | 145.0         | 1.7          |
| 3997.750000     | ---               | 40.15             | 54.00           | 13.85       | 500.0           | 200.0       | V   | 205.0         | 3.2          |
| 4660.125000     | ---               | 40.30             | 54.00           | 13.70       | 500.0           | 200.0       | V   | 0.0           | 4.2          |
| 5611.250000     | 51.70             | ---               | 68.20           | 16.50       | 500.0           | 200.0       | V   | 41.0          | 5.6          |
| 6655.125000     | 53.40             | ---               | 68.20           | 14.80       | 500.0           | 200.0       | V   | 28.0          | 6.6          |
| 7452.250000     | ---               | 41.21             | 54.00           | 12.79       | 500.0           | 200.0       | V   | 310.0         | 7.0          |



## Final Result

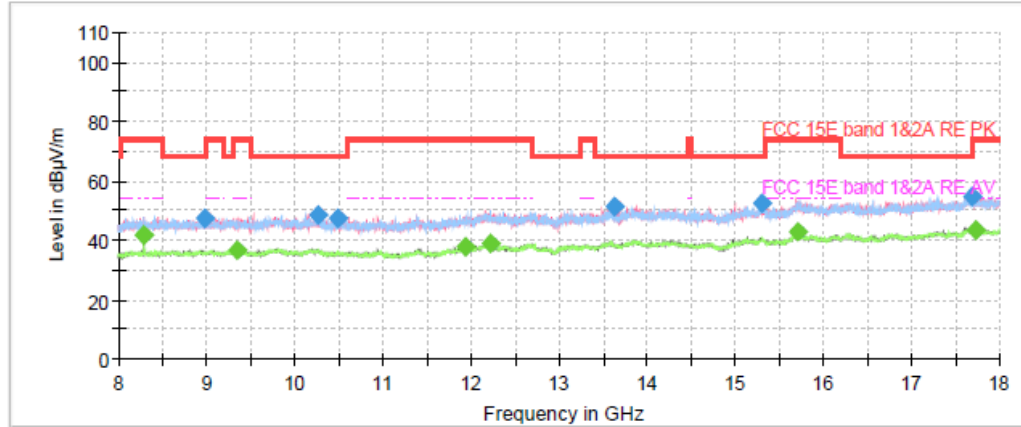
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8743.750000     | 47.88            | ---              | 68.20          | 20.32       | 500.0           | 100.0       | H   | 67.0          | 3.0        |
| 9051.250000     | ---              | 36.94            | 54.00          | 17.06       | 500.0           | 200.0       | H   | 87.0          | 3.1        |
| 9341.250000     | ---              | 37.05            | 54.00          | 16.95       | 500.0           | 200.0       | V   | 0.0           | 3.0        |
| 10183.750000    | 49.19            | ---              | 68.20          | 19.01       | 500.0           | 100.0       | V   | 0.0           | 2.7        |
| 10512.500000    | 47.72            | ---              | 68.20          | 20.48       | 500.0           | 100.0       | V   | 44.0          | 2.4        |
| 11978.750000    | ---              | 37.44            | 54.00          | 16.56       | 500.0           | 200.0       | V   | 14.0          | 3.9        |
| 12152.500000    | ---              | 38.73            | 54.00          | 15.27       | 500.0           | 200.0       | V   | 54.0          | 4.5        |
| 13637.500000    | 51.32            | ---              | 68.20          | 16.88       | 500.0           | 100.0       | V   | 4.0           | 5.6        |
| 13888.750000    | 51.64            | ---              | 68.20          | 16.56       | 500.0           | 200.0       | V   | 4.0           | 6.0        |
| 15707.500000    | ---              | 42.61            | 54.00          | 11.39       | 500.0           | 100.0       | V   | 0.0           | 5.9        |
| 17472.500000    | 57.63            | ---              | 68.20          | 10.57       | 500.0           | 200.0       | V   | 86.0          | 9.8        |
| 17730.000000    | ---              | 43.91            | 54.00          | 10.09       | 500.0           | 100.0       | V   | 4.0           | 9.9        |

802.11n (HT20) CH36



## Final Result

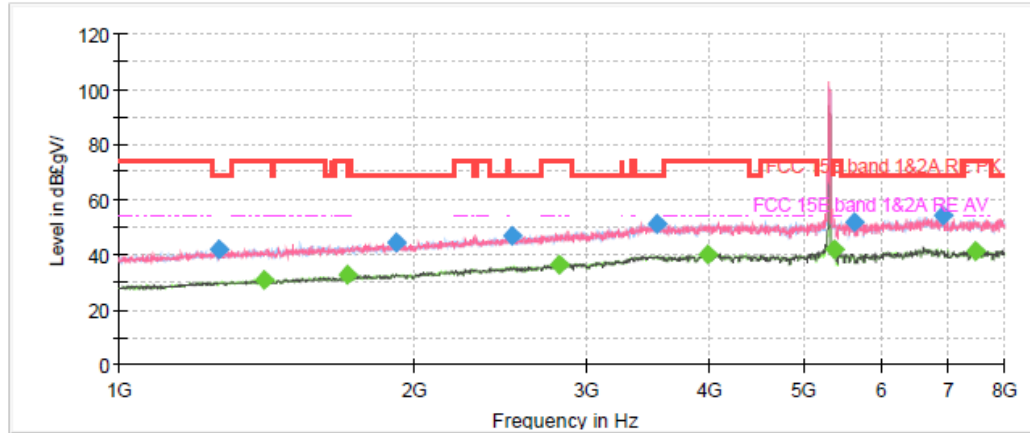
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1274.750000     | 41.17            | ---              | 68.20          | 27.03       | 500.0           | 200.0       | V   | 0.0           | -8.4         |
| 1393.750000     | ---              | 30.84            | 54.00          | 23.16       | 500.0           | 200.0       | V   | 22.0          | -7.6         |
| 1708.750000     | ---              | 32.23            | 54.00          | 21.77       | 500.0           | 200.0       | H   | 323.0         | -5.9         |
| 1951.125000     | 44.09            | ---              | 68.20          | 24.11       | 500.0           | 200.0       | V   | 46.0          | -4.7         |
| 2614.375000     | 46.89            | ---              | 68.20          | 21.31       | 500.0           | 200.0       | V   | 3.0           | -2.0         |
| 2810.375000     | ---              | 36.57            | 54.00          | 17.43       | 500.0           | 200.0       | V   | 55.0          | -1.2         |
| 3461.375000     | 51.20            | ---              | 68.20          | 17.00       | 500.0           | 200.0       | V   | 61.0          | 1.6          |
| 3998.625000     | ---              | 40.60            | 54.00          | 13.40       | 500.0           | 200.0       | V   | 0.0           | 3.2          |
| 5148.375000     | ---              | 43.56            | 54.00          | 10.44       | 500.0           | 200.0       | V   | 61.0          | 5.0          |
| 5463.375000     | 52.55            | ---              | 68.20          | 15.65       | 500.0           | 200.0       | V   | 8.0           | 5.3          |
| 7299.125000     | ---              | 43.51            | 54.00          | 10.49       | 500.0           | 200.0       | V   | 22.0          | 7.0          |
| 7916.000000     | 55.84            | ---              | 68.20          | 12.36       | 500.0           | 200.0       | V   | 3.0           | 7.7          |



## Final Result

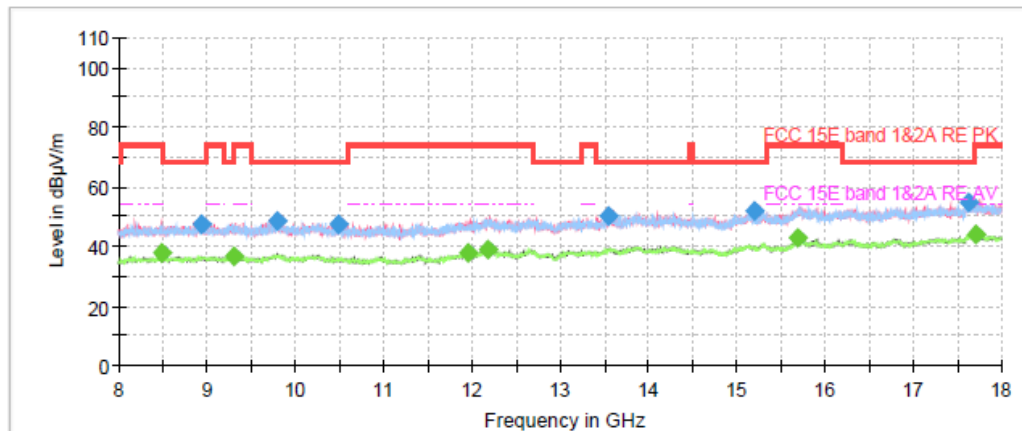
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8287.500000     | ---              | 41.76            | 54.00          | 12.24       | 500.0           | 200.0       | H   | 40.0          | 2.8        |
| 8981.250000     | 47.64            | ---              | 68.20          | 20.56       | 500.0           | 100.0       | H   | 18.0          | 3.1        |
| 9338.750000     | ---              | 36.59            | 54.00          | 17.41       | 500.0           | 100.0       | H   | 29.0          | 3.0        |
| 10266.250000    | 48.62            | ---              | 68.20          | 19.58       | 500.0           | 200.0       | H   | 0.0           | 2.7        |
| 10485.000000    | 47.25            | ---              | 68.20          | 20.95       | 500.0           | 200.0       | V   | 45.0          | 2.4        |
| 11935.000000    | ---              | 37.56            | 54.00          | 16.44       | 500.0           | 100.0       | H   | 29.0          | 3.8        |
| 12220.000000    | ---              | 39.12            | 54.00          | 14.88       | 500.0           | 200.0       | V   | 23.0          | 4.6        |
| 13642.500000    | 51.31            | ---              | 68.20          | 16.89       | 500.0           | 200.0       | V   | 0.0           | 5.6        |
| 15298.750000    | 52.61            | ---              | 68.20          | 15.59       | 500.0           | 100.0       | V   | 3.0           | 5.4        |
| 15710.000000    | ---              | 42.63            | 54.00          | 11.37       | 500.0           | 200.0       | V   | 0.0           | 5.9        |
| 17695.000000    | 54.65            | ---              | 68.20          | 13.55       | 500.0           | 100.0       | V   | 45.0          | 9.8        |
| 17736.250000    | ---              | 43.64            | 54.00          | 10.36       | 500.0           | 100.0       | H   | 18.0          | 9.9        |

802.11n (HT20) CH60



## Final Result

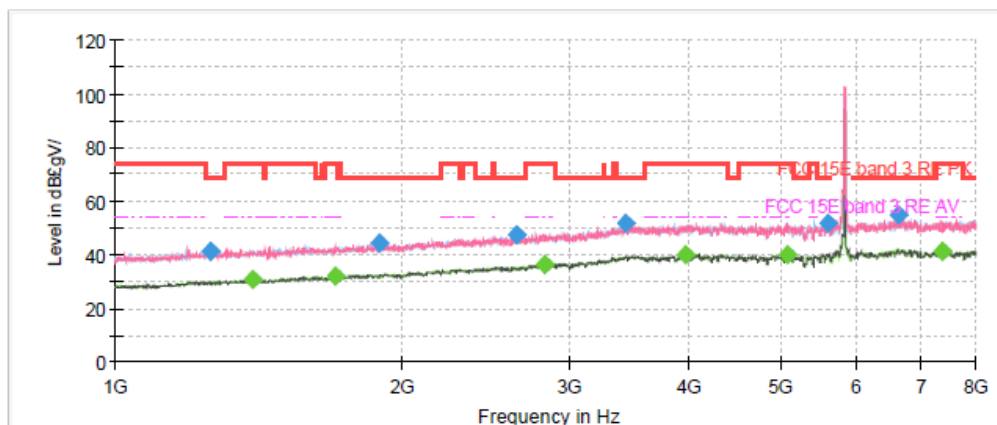
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1262.500000     | 41.76            | ---              | 68.20          | 26.44       | 500.0           | 200.0       | V   | 312.0         | -8.5         |
| 1403.375000     | ---              | 30.53            | 54.00          | 23.47       | 500.0           | 200.0       | V   | 287.0         | -7.6         |
| 1709.625000     | ---              | 32.45            | 54.00          | 21.55       | 500.0           | 200.0       | V   | 278.0         | -5.9         |
| 1914.375000     | 44.26            | ---              | 68.20          | 23.94       | 500.0           | 200.0       | H   | 253.0         | -4.9         |
| 2520.750000     | 46.82            | ---              | 68.20          | 21.38       | 500.0           | 200.0       | V   | 278.0         | -2.2         |
| 2809.500000     | ---              | 36.05            | 54.00          | 17.95       | 500.0           | 200.0       | V   | 292.0         | -1.2         |
| 3532.250000     | 51.12            | ---              | 68.20          | 17.08       | 500.0           | 200.0       | V   | 201.0         | 1.7          |
| 3981.125000     | ---              | 39.86            | 54.00          | 14.14       | 500.0           | 200.0       | V   | 0.0           | 3.1          |
| 5362.750000     | ---              | 41.84            | 54.00          | 12.16       | 500.0           | 200.0       | V   | 15.0          | 5.1          |
| 5614.750000     | 51.41            | ---              | 68.20          | 16.79       | 500.0           | 200.0       | V   | 24.0          | 5.6          |
| 6909.750000     | 54.11            | ---              | 68.20          | 14.09       | 500.0           | 200.0       | H   | 280.0         | 6.8          |
| 7461.875000     | ---              | 41.17            | 54.00          | 12.83       | 500.0           | 200.0       | V   | 20.0          | 7.0          |



## Final Result

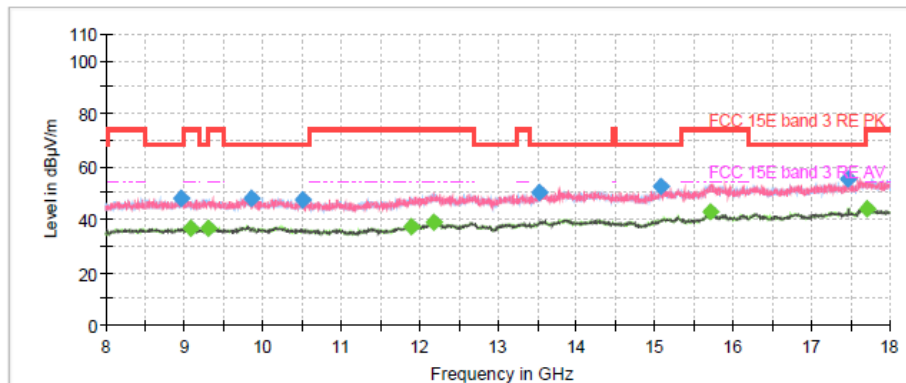
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8480.000000     | ---              | 38.00            | 54.00          | 16.00       | 500.0           | 200.0       | V   | 45.0          | 2.9        |
| 8935.000000     | 47.38            | ---              | 68.20          | 20.82       | 500.0           | 100.0       | H   | 42.0          | 3.3        |
| 9301.250000     | ---              | 36.69            | 54.00          | 17.31       | 500.0           | 100.0       | V   | 43.0          | 3.0        |
| 9797.500000     | 48.58            | ---              | 68.20          | 19.62       | 500.0           | 200.0       | V   | 45.0          | 3.2        |
| 10483.750000    | 47.39            | ---              | 68.20          | 20.81       | 500.0           | 200.0       | H   | 3.0           | 2.4        |
| 11965.000000    | ---              | 37.56            | 54.00          | 16.44       | 500.0           | 100.0       | V   | 34.0          | 3.9        |
| 12190.000000    | ---              | 38.91            | 54.00          | 15.09       | 500.0           | 200.0       | H   | 32.0          | 4.5        |
| 13553.750000    | 50.35            | ---              | 68.20          | 17.85       | 500.0           | 100.0       | H   | 42.0          | 5.6        |
| 15201.250000    | 51.89            | ---              | 68.20          | 16.31       | 500.0           | 200.0       | V   | 45.0          | 5.4        |
| 15703.750000    | ---              | 42.82            | 54.00          | 11.18       | 500.0           | 200.0       | V   | 0.0           | 5.9        |
| 17641.250000    | 54.96            | ---              | 68.20          | 13.24       | 500.0           | 100.0       | V   | 0.0           | 9.8        |
| 17718.750000    | ---              | 43.80            | 54.00          | 10.20       | 500.0           | 100.0       | H   | 22.0          | 9.9        |

802.11n (HT20) CH165



Final Result

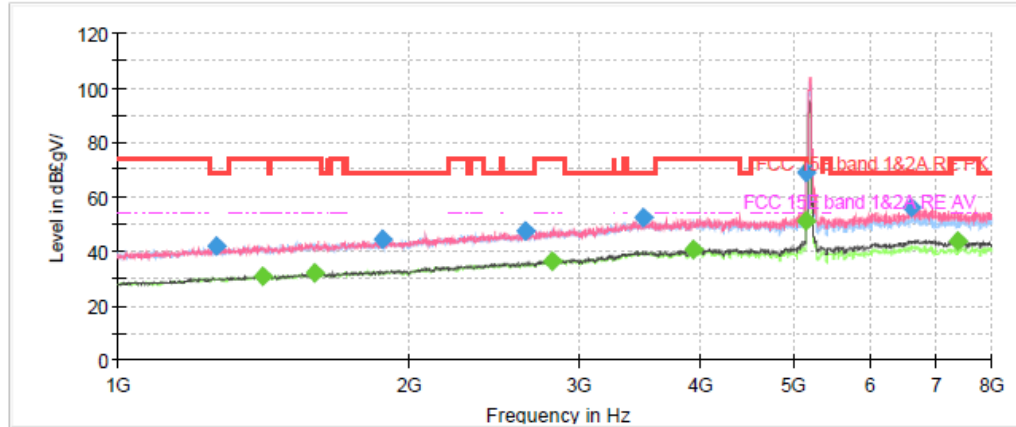
| Frequency (MHz) | MaxPeak (dBµgV/m) | Average (dBµgV/m) | Limit (dBµgV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1259.875000     | 41.10             | ---               | 68.20           | 27.10       | 500.0           | 200.0       | H   | 67.0          | -8.5         |
| 1395.500000     | ---               | 30.71             | 54.00           | 23.29       | 500.0           | 200.0       | H   | 236.0         | -7.6         |
| 1704.375000     | ---               | 32.23             | 54.00           | 21.77       | 500.0           | 200.0       | H   | 298.0         | -6.0         |
| 1893.375000     | 44.15             | ---               | 68.20           | 24.05       | 500.0           | 200.0       | V   | 136.0         | -5.0         |
| 2632.750000     | 47.55             | ---               | 68.20           | 20.65       | 500.0           | 200.0       | H   | 314.0         | -2.0         |
| 2827.875000     | ---               | 36.16             | 54.00           | 17.84       | 500.0           | 200.0       | V   | 207.0         | -1.1         |
| 3438.625000     | 51.68             | ---               | 68.20           | 16.52       | 500.0           | 200.0       | V   | 122.0         | 1.5          |
| 3968.875000     | ---               | 39.85             | 54.00           | 14.15       | 500.0           | 200.0       | H   | 30.0          | 3.0          |
| 5082.750000     | ---               | 40.06             | 54.00           | 13.94       | 500.0           | 200.0       | H   | 204.0         | 5.1          |
| 5586.750000     | 51.69             | ---               | 68.20           | 16.51       | 500.0           | 200.0       | H   | 222.0         | 5.6          |
| 6633.250000     | 54.48             | ---               | 68.20           | 13.72       | 500.0           | 200.0       | V   | 168.0         | 6.6          |
| 7384.000000     | ---               | 41.34             | 54.00           | 12.66       | 500.0           | 200.0       | H   | 226.0         | 7.2          |



### Final Result

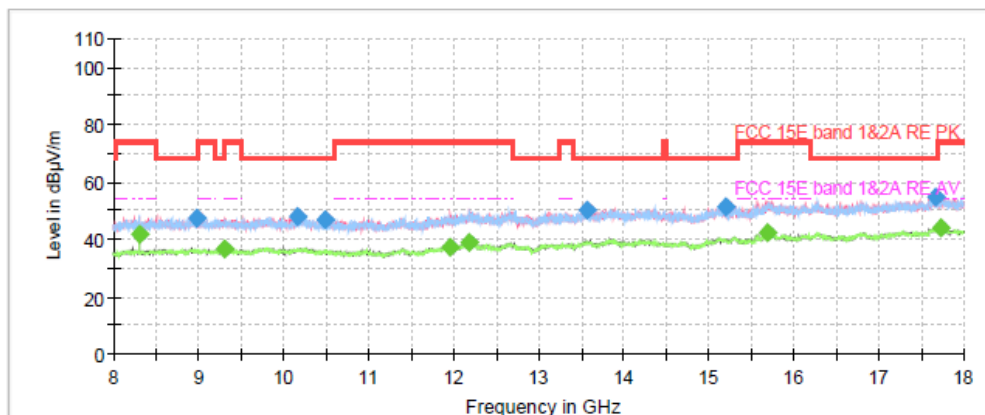
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8955.000000     | 47.69            | ---              | 68.20          | 20.51       | 500.0           | 200.0       | H   | 85.0          | 3.2        |
| 9086.250000     | ---              | 36.71            | 54.00          | 17.29       | 500.0           | 100.0       | H   | 34.0          | 3.1        |
| 9302.500000     | ---              | 36.81            | 54.00          | 17.19       | 500.0           | 100.0       | H   | 44.0          | 3.0        |
| 9853.750000     | 48.17            | ---              | 68.20          | 20.03       | 500.0           | 200.0       | V   | 0.0           | 3.1        |
| 10503.750000    | 47.38            | ---              | 68.20          | 20.82       | 500.0           | 200.0       | H   | 85.0          | 2.4        |
| 11890.000000    | ---              | 37.50            | 54.00          | 16.50       | 500.0           | 100.0       | H   | 44.0          | 3.6        |
| 12182.500000    | ---              | 39.18            | 54.00          | 14.82       | 500.0           | 200.0       | V   | 15.0          | 4.5        |
| 13532.500000    | 50.27            | ---              | 68.20          | 17.93       | 500.0           | 200.0       | V   | 15.0          | 5.5        |
| 15081.250000    | 52.34            | ---              | 68.20          | 15.86       | 500.0           | 100.0       | H   | 90.0          | 5.6        |
| 15707.500000    | ---              | 42.65            | 54.00          | 11.35       | 500.0           | 200.0       | V   | 45.0          | 5.9        |
| 17475.000000    | 55.39            | ---              | 68.20          | 12.81       | 500.0           | 200.0       | V   | 45.0          | 9.8        |
| 17713.750000    | ---              | 43.81            | 54.00          | 10.19       | 500.0           | 100.0       | H   | 65.0          | 9.9        |

802.11n (HT40) CH38



Final Result

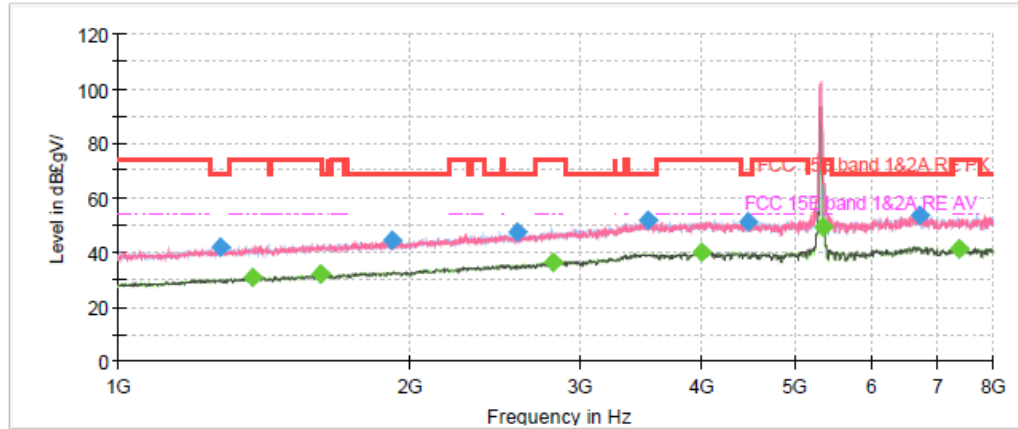
| Frequency (MHz) | MaxPeak (dBµgV/m) | Average (dBµgV/m) | Limit (dBµgV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1266.000000     | 41.61             | ---               | 68.20           | 26.59       | 500.0           | 200.0       | V   | 248.0         | -8.5         |
| 1408.625000     | ---               | 30.78             | 54.00           | 23.22       | 500.0           | 200.0       | V   | 57.0          | -7.5         |
| 1598.500000     | ---               | 32.14             | 54.00           | 21.86       | 500.0           | 200.0       | V   | 67.0          | -6.3         |
| 1875.000000     | 44.27             | ---               | 68.20           | 23.93       | 500.0           | 200.0       | V   | 202.0         | -5.1         |
| 2638.000000     | 47.47             | ---               | 68.20           | 20.73       | 500.0           | 200.0       | H   | 144.0         | -2.0         |
| 2815.625000     | ---               | 36.58             | 54.00           | 17.42       | 500.0           | 200.0       | V   | 47.0          | -1.2         |
| 3488.500000     | 52.31             | ---               | 68.20           | 15.89       | 500.0           | 200.0       | H   | 294.0         | 1.7          |
| 3934.750000     | ---               | 40.52             | 54.00           | 13.48       | 500.0           | 200.0       | V   | 15.0          | 2.7          |
| 5149.250000     | 69.03             | ---               | 74.00           | 4.97        | 500.0           | 200.0       | V   | 61.0          | 5.0          |
| 5149.250000     | ---               | 50.77             | 54.00           | 3.23        | 500.0           | 200.0       | V   | 61.0          | 5.0          |
| 6606.125000     | 55.75             | ---               | 68.20           | 12.45       | 500.0           | 200.0       | V   | 24.0          | 6.7          |
| 7386.625000     | ---               | 43.65             | 54.00           | 10.35       | 500.0           | 200.0       | V   | 33.0          | 7.2          |



## Final Result

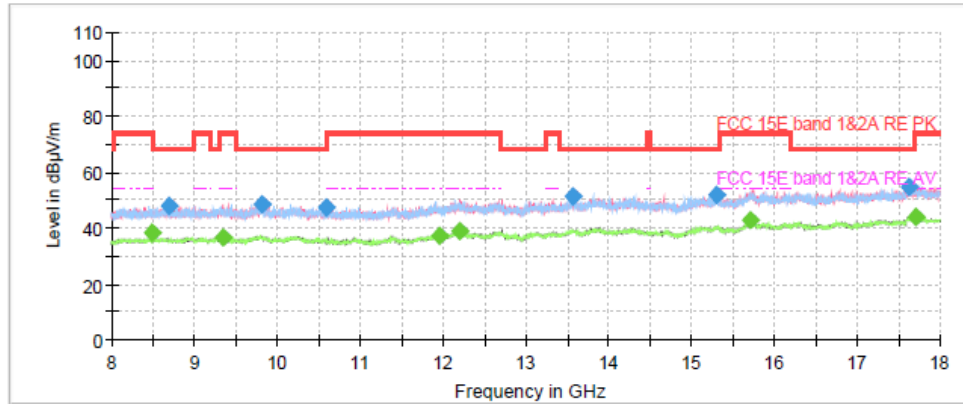
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8303.750000     | ---              | 41.69            | 54.00          | 12.31       | 500.0           | 200.0       | V   | 45.0          | 2.9        |
| 8982.500000     | 47.64            | ---              | 68.20          | 20.56       | 500.0           | 100.0       | V   | 45.0          | 3.1        |
| 9308.750000     | ---              | 36.81            | 54.00          | 17.19       | 500.0           | 200.0       | H   | 1.0           | 3.0        |
| 10157.500000    | 48.02            | ---              | 68.20          | 20.18       | 500.0           | 100.0       | V   | 45.0          | 2.7        |
| 10496.250000    | 46.93            | ---              | 68.20          | 21.27       | 500.0           | 200.0       | H   | 7.0           | 2.4        |
| 11953.750000    | ---              | 37.47            | 54.00          | 16.53       | 500.0           | 200.0       | H   | 1.0           | 3.9        |
| 12193.750000    | ---              | 39.02            | 54.00          | 14.98       | 500.0           | 100.0       | V   | 45.0          | 4.6        |
| 13565.000000    | 50.23            | ---              | 68.20          | 17.97       | 500.0           | 200.0       | V   | 14.0          | 5.6        |
| 15196.250000    | 51.40            | ---              | 68.20          | 16.80       | 500.0           | 200.0       | H   | 7.0           | 5.4        |
| 15703.750000    | ---              | 42.51            | 54.00          | 11.49       | 500.0           | 100.0       | V   | 24.0          | 5.9        |
| 17670.000000    | 54.54            | ---              | 68.20          | 13.66       | 500.0           | 200.0       | V   | 43.0          | 9.8        |
| 17727.500000    | ---              | 43.92            | 54.00          | 10.08       | 500.0           | 100.0       | H   | 1.0           | 9.9        |

802.11n (HT40) CH62



## Final Result

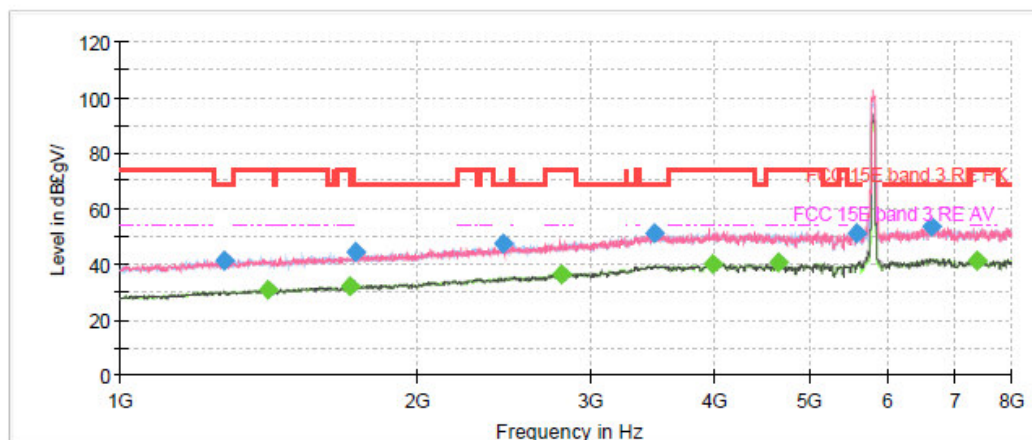
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1275.625000     | 41.88            | ---              | 68.20          | 26.32       | 500.0           | 200.0       | V   | 125.0         | -8.4         |
| 1375.375000     | ---              | 30.73            | 54.00          | 23.27       | 500.0           | 200.0       | H   | 166.0         | -7.7         |
| 1616.000000     | ---              | 31.75            | 54.00          | 22.25       | 500.0           | 200.0       | H   | 152.0         | -6.3         |
| 1918.750000     | 44.54            | ---              | 68.20          | 23.66       | 500.0           | 200.0       | H   | 185.0         | -4.9         |
| 2586.375000     | 47.56            | ---              | 68.20          | 20.64       | 500.0           | 200.0       | V   | 125.0         | -2.0         |
| 2809.500000     | ---              | 36.16            | 54.00          | 17.84       | 500.0           | 200.0       | V   | 159.0         | -1.2         |
| 3515.625000     | 51.91            | ---              | 68.20          | 16.29       | 500.0           | 200.0       | H   | 309.0         | 1.8          |
| 3999.500000     | ---              | 39.75            | 54.00          | 14.25       | 500.0           | 200.0       | V   | 111.0         | 3.2          |
| 5350.500000     | ---              | 49.04            | 54.00          | 4.96        | 500.0           | 200.0       | V   | 24.0          | 5.2          |
| 4465.000000     | 50.98            | ---              | 68.20          | 17.22       | 500.0           | 200.0       | V   | 24.0          | 5.2          |
| 6720.750000     | 53.39            | ---              | 68.20          | 14.81       | 500.0           | 200.0       | H   | 304.0         | 6.5          |
| 7387.500000     | ---              | 41.36            | 54.00          | 12.64       | 500.0           | 200.0       | V   | 217.0         | 7.2          |



## Final Result

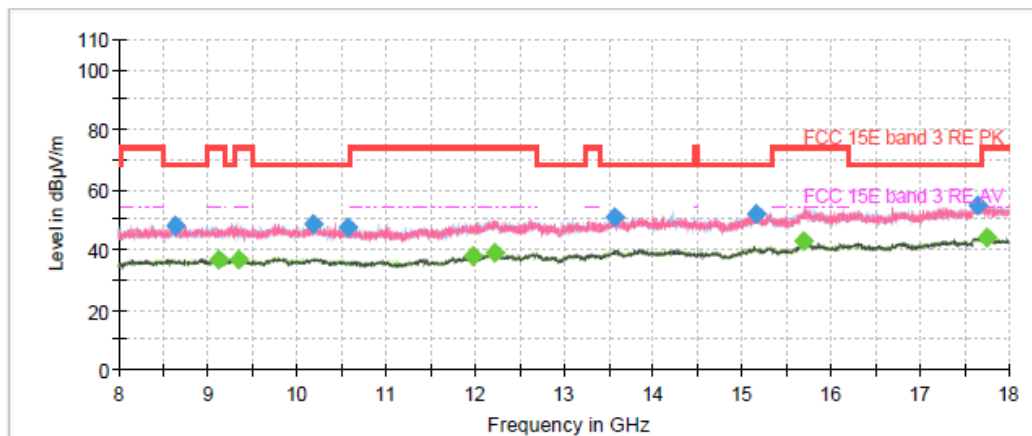
| Frequency (MHz) | MaxPeak (dBuV/m) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8495.000000     | ---              | 38.09            | 54.00          | 15.91       | 500.0           | 200.0       | H   | 42.0          | 2.9        |
| 8685.000000     | 47.95            | ---              | 68.20          | 20.25       | 500.0           | 100.0       | V   | 45.0          | 3.1        |
| 9346.250000     | ---              | 36.58            | 54.00          | 17.42       | 500.0           | 200.0       | H   | 2.0           | 3.0        |
| 9825.000000     | 48.55            | ---              | 68.20          | 19.65       | 500.0           | 200.0       | H   | 2.0           | 3.2        |
| 10595.000000    | 47.33            | ---              | 68.20          | 20.87       | 500.0           | 100.0       | H   | 0.0           | 2.2        |
| 11960.000000    | ---              | 37.51            | 54.00          | 16.49       | 500.0           | 200.0       | V   | 43.0          | 3.9        |
| 12196.250000    | ---              | 38.95            | 54.00          | 15.05       | 500.0           | 100.0       | V   | 24.0          | 4.6        |
| 13571.250000    | 51.09            | ---              | 68.20          | 17.11       | 500.0           | 200.0       | H   | 42.0          | 5.6        |
| 15301.250000    | 51.85            | ---              | 68.20          | 16.35       | 500.0           | 100.0       | H   | 2.0           | 5.4        |
| 15716.250000    | ---              | 42.91            | 54.00          | 11.09       | 500.0           | 200.0       | V   | 43.0          | 5.9        |
| 17628.750000    | 54.85            | ---              | 68.20          | 13.35       | 500.0           | 100.0       | H   | 0.0           | 9.8        |
| 17721.250000    | ---              | 43.77            | 54.00          | 10.23       | 500.0           | 100.0       | H   | 21.0          | 9.9        |

802.11n (HT40) CH159



## Final Result

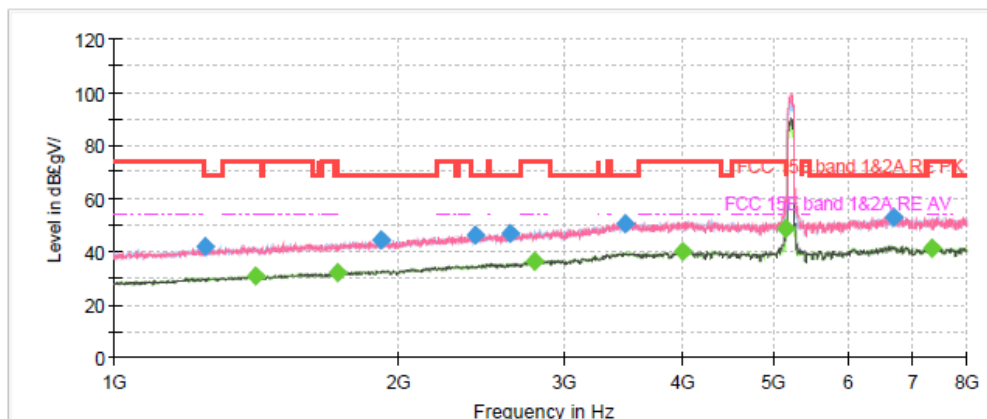
| Frequency (MHz) | MaxPeak (dBµgV/m) | Average (dBµgV/m) | Limit (dBµgV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1275.625000     | 41.51             | ---               | 68.20           | 26.69       | 500.0           | 200.0       | H   | 338.0         | -8.4         |
| 1408.625000     | ---               | 30.68             | 54.00           | 23.32       | 500.0           | 200.0       | V   | 116.0         | -7.5         |
| 1709.625000     | ---               | 31.93             | 54.00           | 22.07       | 500.0           | 200.0       | V   | 16.0          | -5.9         |
| 1731.500000     | 44.32             | ---               | 68.20           | 23.88       | 500.0           | 200.0       | H   | 228.0         | -5.8         |
| 2437.625000     | 47.37             | ---               | 68.20           | 20.83       | 500.0           | 200.0       | H   | 329.0         | -2.4         |
| 2794.625000     | ---               | 36.17             | 54.00           | 17.83       | 500.0           | 200.0       | V   | 144.0         | -1.3         |
| 3482.375000     | 51.11             | ---               | 68.20           | 17.09       | 500.0           | 200.0       | V   | 12.0          | 1.7          |
| 3978.500000     | ---               | 39.92             | 54.00           | 14.08       | 500.0           | 200.0       | H   | 201.0         | 3.1          |
| 4635.625000     | ---               | 40.37             | 54.00           | 13.63       | 500.0           | 200.0       | V   | 89.0          | 4.1          |
| 5570.125000     | 51.34             | ---               | 68.20           | 16.86       | 500.0           | 200.0       | V   | 21.0          | 5.5          |
| 6635.000000     | 53.51             | ---               | 68.20           | 14.69       | 500.0           | 200.0       | V   | 102.0         | 6.6          |
| 7386.625000     | ---               | 41.23             | 54.00           | 12.77       | 500.0           | 200.0       | H   | 46.0          | 7.2          |



## Final Result

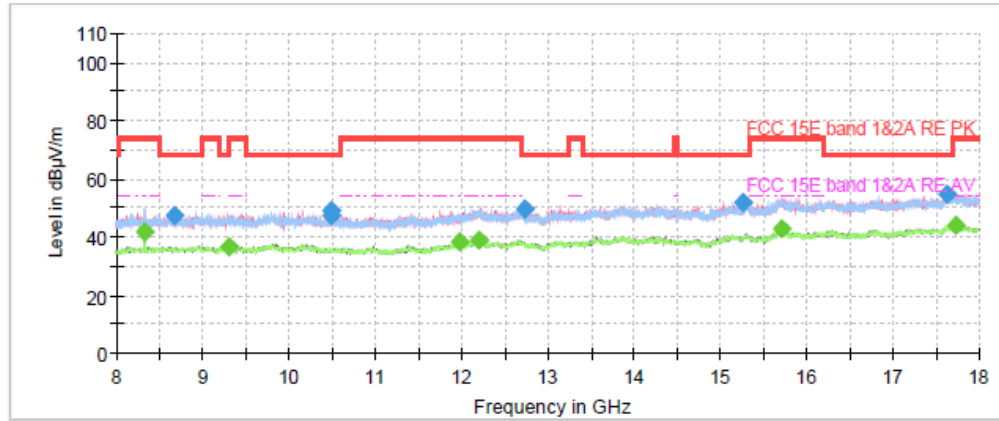
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8625.000000     | 48.15            | ---              | 68.20          | 20.06       | 500.0           | 100.0       | H   | 76.0          | 3.1        |
| 9126.250000     | ---              | 36.53            | 54.00          | 17.47       | 500.0           | 200.0       | H   | 90.0          | 3.1        |
| 9351.250000     | ---              | 36.63            | 54.00          | 17.37       | 500.0           | 100.0       | H   | 45.0          | 3.0        |
| 10178.750000    | 48.73            | ---              | 68.20          | 19.47       | 500.0           | 200.0       | H   | 45.0          | 2.7        |
| 10571.250000    | 47.24            | ---              | 68.20          | 20.96       | 500.0           | 200.0       | H   | 76.0          | 2.3        |
| 11986.250000    | ---              | 37.64            | 54.00          | 16.36       | 500.0           | 100.0       | V   | 67.0          | 4.0        |
| 12225.000000    | ---              | 38.93            | 54.00          | 15.07       | 500.0           | 200.0       | V   | 6.0           | 4.6        |
| 13566.250000    | 50.61            | ---              | 68.20          | 17.59       | 500.0           | 100.0       | V   | 0.0           | 5.6        |
| 15156.250000    | 51.91            | ---              | 68.20          | 16.29       | 500.0           | 200.0       | H   | 0.0           | 5.4        |
| 15695.000000    | ---              | 42.71            | 54.00          | 11.29       | 500.0           | 200.0       | H   | 90.0          | 5.9        |
| 17650.000000    | 54.77            | ---              | 68.20          | 13.43       | 500.0           | 100.0       | H   | 65.0          | 9.8        |
| 17760.000000    | ---              | 43.79            | 54.00          | 10.21       | 500.0           | 200.0       | V   | 46.0          | 9.9        |

802.11ac (VHT80) CH42



## Final Result

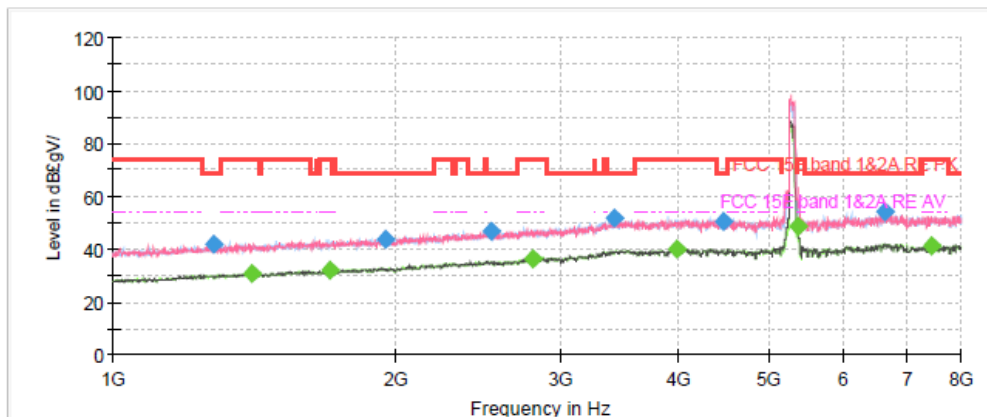
| Frequency (MHz) | MaxPeak (dBµgV/m) | Average (dBµgV/m) | Limit (dBµgV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1249.375000     | 41.80             | ---               | 68.20           | 26.40       | 500.0           | 200.0       | H   | 235.0         | -8.6         |
| 1413.875000     | ---               | 30.67             | 54.00           | 23.33       | 500.0           | 200.0       | V   | 104.0         | -7.5         |
| 1721.875000     | ---               | 31.96             | 54.00           | 22.04       | 500.0           | 200.0       | V   | 280.0         | -5.9         |
| 1919.625000     | 44.16             | ---               | 68.20           | 24.05       | 500.0           | 200.0       | H   | 337.0         | -4.9         |
| 2414.000000     | 46.08             | ---               | 68.20           | 22.12       | 500.0           | 200.0       | V   | 209.0         | -2.5         |
| 2624.000000     | 46.81             | ---               | 68.20           | 21.39       | 500.0           | 200.0       | V   | 21.0          | -2.0         |
| 2792.000000     | ---               | 36.32             | 54.00           | 17.68       | 500.0           | 200.0       | H   | 186.0         | -1.3         |
| 3479.750000     | 50.68             | ---               | 68.20           | 17.52       | 500.0           | 200.0       | V   | 209.0         | 1.7          |
| 3998.625000     | ---               | 40.02             | 54.00           | 13.98       | 500.0           | 200.0       | H   | 235.0         | 3.2          |
| 5148.375000     | ---               | 48.90             | 54.00           | 5.10        | 500.0           | 200.0       | V   | 57.0          | 5.0          |
| 6699.750000     | 53.14             | ---               | 68.20           | 15.06       | 500.0           | 200.0       | V   | 90.0          | 6.5          |
| 7344.625000     | ---               | 41.22             | 54.00           | 12.78       | 500.0           | 200.0       | V   | 62.0          | 7.0          |



## Final Result

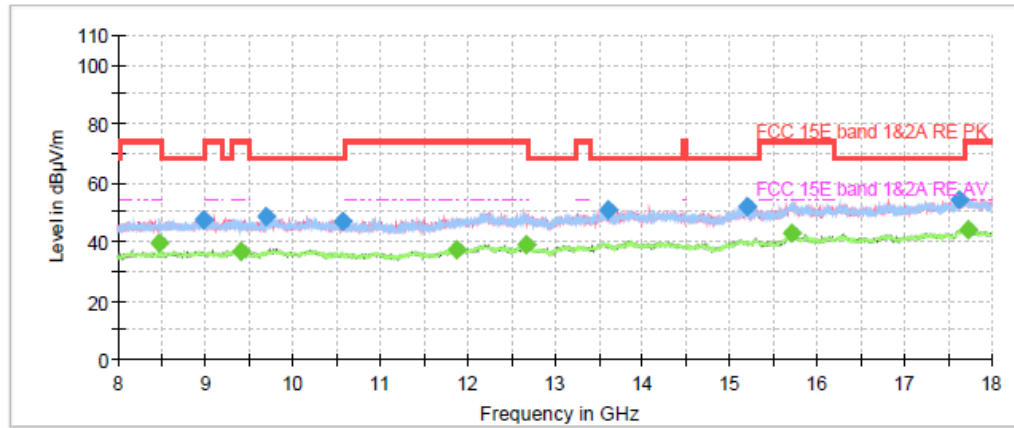
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8335.000000     | ---              | 41.67            | 54.00          | 12.33       | 500.0           | 100.0       | H   | 1.0           | 2.9        |
| 8671.250000     | 47.55            | ---              | 68.20          | 20.65       | 500.0           | 200.0       | H   | 7.0           | 3.1        |
| 9312.500000     | ---              | 36.82            | 54.00          | 17.18       | 500.0           | 200.0       | V   | 45.0          | 3.0        |
| 10480.000000    | 48.90            | ---              | 68.20          | 19.30       | 500.0           | 100.0       | V   | 45.0          | 2.4        |
| 10491.250000    | 47.29            | ---              | 68.20          | 20.91       | 500.0           | 100.0       | V   | 43.0          | 2.4        |
| 11981.250000    | ---              | 38.10            | 54.00          | 15.90       | 500.0           | 200.0       | V   | 45.0          | 3.9        |
| 12197.500000    | ---              | 39.02            | 54.00          | 14.98       | 500.0           | 200.0       | H   | 1.0           | 4.6        |
| 12728.750000    | 49.81            | ---              | 68.20          | 18.39       | 500.0           | 100.0       | V   | 43.0          | 5.1        |
| 15268.750000    | 51.67            | ---              | 68.20          | 16.53       | 500.0           | 200.0       | H   | 29.0          | 5.4        |
| 15710.000000    | ---              | 42.69            | 54.00          | 11.31       | 500.0           | 100.0       | H   | 45.0          | 5.9        |
| 17632.500000    | 54.75            | ---              | 68.20          | 13.45       | 500.0           | 200.0       | H   | 1.0           | 9.8        |
| 17730.000000    | ---              | 43.88            | 54.00          | 10.12       | 500.0           | 100.0       | V   | 45.0          | 9.9        |

802.11ac (VHT80) CH58



Final Result

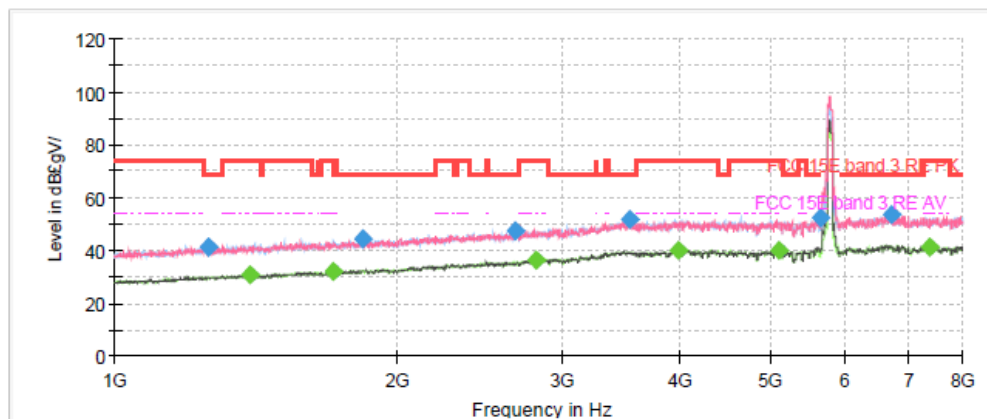
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1278.250000     | 42.05            | ---              | 68.20          | 26.15       | 500.0           | 200.0       | V   | 193.0         | -8.4         |
| 1404.250000     | ---              | 30.74            | 54.00          | 23.26       | 500.0           | 200.0       | V   | 31.0          | -7.6         |
| 1701.750000     | ---              | 31.80            | 54.00          | 22.20       | 500.0           | 200.0       | V   | 225.0         | -6.0         |
| 1952.875000     | 43.99            | ---              | 68.20          | 24.21       | 500.0           | 200.0       | V   | 40.0          | -4.7         |
| 2531.250000     | 46.74            | ---              | 68.20          | 21.46       | 500.0           | 200.0       | H   | 333.0         | -2.2         |
| 2794.625000     | ---              | 36.24            | 54.00          | 17.76       | 500.0           | 200.0       | V   | 21.0          | -1.3         |
| 3414.125000     | 51.80            | ---              | 68.20          | 16.40       | 500.0           | 200.0       | H   | 208.0         | 1.4          |
| 3979.375000     | ---              | 39.76            | 54.00          | 14.24       | 500.0           | 200.0       | H   | 75.0          | 3.1          |
| 4460.625000     | 50.21            | ---              | 68.20          | 17.99       | 500.0           | 200.0       | H   | 0.0           | 3.6          |
| 5355.750000     | ---              | 48.92            | 54.00          | 5.08        | 500.0           | 200.0       | V   | 50.0          | 5.2          |
| 6624.500000     | 54.01            | ---              | 68.20          | 14.19       | 500.0           | 200.0       | V   | 8.0           | 6.6          |
| 7452.250000     | ---              | 41.32            | 54.00          | 12.68       | 500.0           | 200.0       | H   | 75.0          | 7.0          |



## Final Result

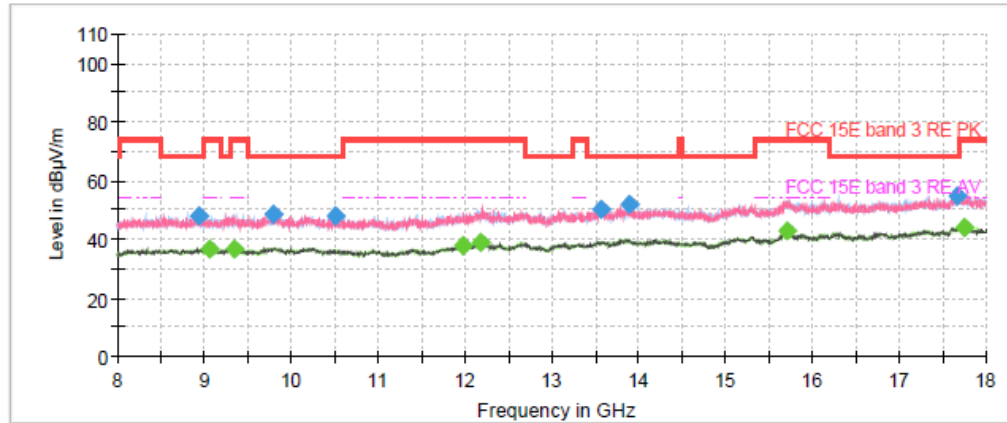
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8463.750000     | ---              | 39.39            | 54.00          | 14.61       | 500.0           | 200.0       | H   | 42.0          | 2.9        |
| 8973.750000     | 47.18            | ---              | 68.20          | 21.02       | 500.0           | 100.0       | H   | 11.0          | 3.1        |
| 9408.750000     | ---              | 36.71            | 54.00          | 17.29       | 500.0           | 100.0       | H   | 22.0          | 3.0        |
| 9698.750000     | 48.63            | ---              | 68.20          | 19.57       | 500.0           | 200.0       | H   | 45.0          | 3.0        |
| 10566.250000    | 46.89            | ---              | 68.20          | 21.31       | 500.0           | 200.0       | H   | 0.0           | 2.3        |
| 11875.000000    | ---              | 37.40            | 54.00          | 16.60       | 500.0           | 100.0       | V   | 34.0          | 3.6        |
| 12673.750000    | ---              | 38.89            | 54.00          | 15.11       | 500.0           | 200.0       | V   | 13.0          | 5.1        |
| 13605.000000    | 50.64            | ---              | 68.20          | 17.56       | 500.0           | 100.0       | H   | 0.0           | 5.6        |
| 15195.000000    | 51.90            | ---              | 68.20          | 16.30       | 500.0           | 200.0       | V   | 43.0          | 5.4        |
| 15717.500000    | ---              | 42.61            | 54.00          | 11.39       | 500.0           | 100.0       | H   | 0.0           | 5.9        |
| 17640.000000    | 54.42            | ---              | 68.20          | 13.78       | 500.0           | 200.0       | V   | 43.0          | 9.8        |
| 17725.000000    | ---              | 43.82            | 54.00          | 10.18       | 500.0           | 100.0       | V   | 45.0          | 9.9        |

802.11ac (VHT80) CH155



## Final Result

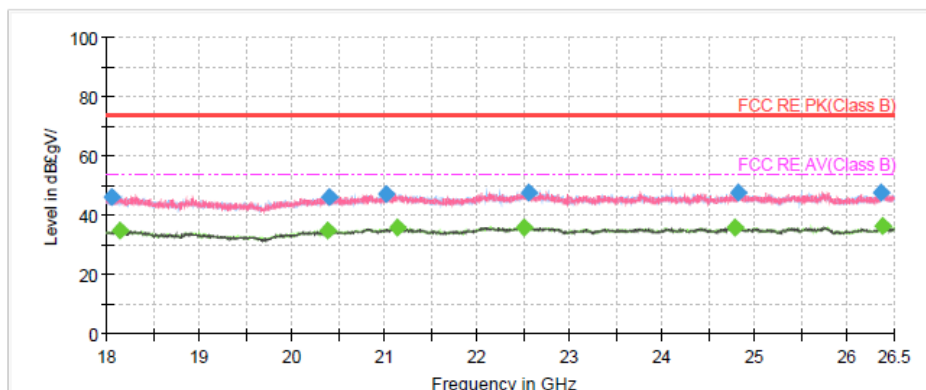
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1259.875000     | 41.18            | ---              | 68.20          | 27.02       | 500.0           | 200.0       | V   | 140.0         | -8.5         |
| 1395.500000     | ---              | 30.54            | 54.00          | 23.46       | 500.0           | 200.0       | H   | 356.0         | -7.6         |
| 1708.750000     | ---              | 31.86            | 54.00          | 22.14       | 500.0           | 200.0       | H   | 333.0         | -5.9         |
| 1837.375000     | 44.06            | ---              | 68.20          | 24.14       | 500.0           | 200.0       | H   | 178.0         | -5.2         |
| 2668.625000     | 47.28            | ---              | 68.20          | 20.92       | 500.0           | 200.0       | H   | 29.0          | -1.9         |
| 2807.750000     | ---              | 36.36            | 54.00          | 17.64       | 500.0           | 200.0       | H   | 277.0         | -1.2         |
| 3534.875000     | 51.60            | ---              | 68.20          | 16.60       | 500.0           | 200.0       | V   | 94.0          | 1.7          |
| 3979.375000     | ---              | 39.89            | 54.00          | 14.11       | 500.0           | 200.0       | H   | 48.0          | 3.1          |
| 5089.750000     | ---              | 40.27            | 54.00          | 13.73       | 500.0           | 200.0       | H   | 268.0         | 5.1          |
| 5643.625000     | 52.31            | ---              | 68.20          | 15.89       | 500.0           | 200.0       | V   | 66.0          | 5.4          |
| 6717.250000     | 53.39            | ---              | 68.20          | 14.81       | 500.0           | 200.0       | H   | 0.0           | 6.5          |
| 7382.250000     | ---              | 41.39            | 54.00          | 12.61       | 500.0           | 200.0       | V   | 0.0           | 7.2          |



## Final Result

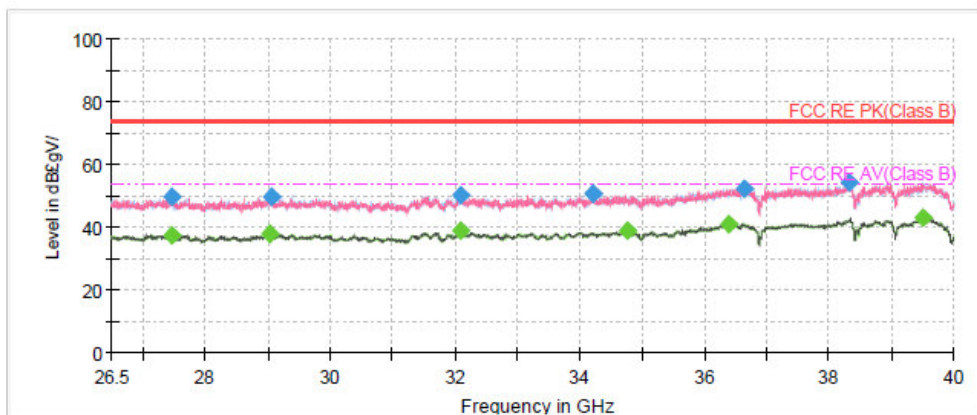
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 8940.000000     | 48.14            | ---              | 68.20          | 20.06       | 500.0           | 200.0       | H   | 90.0          | 3.3        |
| 9051.250000     | ---              | 36.71            | 54.00          | 17.29       | 500.0           | 100.0       | V   | 0.0           | 3.1        |
| 9342.500000     | ---              | 36.77            | 54.00          | 17.23       | 500.0           | 100.0       | V   | 87.0          | 3.0        |
| 9796.250000     | 48.40            | ---              | 68.20          | 19.80       | 500.0           | 200.0       | V   | 25.0          | 3.2        |
| 10510.000000    | 47.92            | ---              | 68.20          | 20.28       | 500.0           | 200.0       | H   | 76.0          | 2.4        |
| 11981.250000    | ---              | 37.97            | 54.00          | 16.03       | 500.0           | 100.0       | V   | 15.0          | 3.9        |
| 12193.750000    | ---              | 38.96            | 54.00          | 15.04       | 500.0           | 200.0       | V   | 35.0          | 4.6        |
| 13566.250000    | 50.33            | ---              | 68.20          | 17.87       | 500.0           | 100.0       | H   | 90.0          | 5.6        |
| 13893.750000    | 51.81            | ---              | 68.20          | 16.39       | 500.0           | 200.0       | H   | 34.0          | 6.0        |
| 15712.500000    | ---              | 42.73            | 54.00          | 11.27       | 500.0           | 200.0       | V   | 0.0           | 5.9        |
| 17675.000000    | 54.95            | ---              | 68.20          | 13.25       | 500.0           | 100.0       | H   | 86.0          | 9.8        |
| 17762.500000    | ---              | 43.76            | 54.00          | 10.24       | 500.0           | 100.0       | H   | 90.0          | 9.9        |

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 18053.125000    | 46.33            | ---              | 74.00          | 27.67       | 500.0           | 200.0       | H   | 333.0         | -5.7         |
| 18134.937500    | ---              | 34.90            | 54.00          | 19.10       | 500.0           | 200.0       | H   | 128.0         | -5.8         |
| 20391.687500    | ---              | 34.94            | 54.00          | 19.06       | 500.0           | 200.0       | V   | 202.0         | -5.2         |
| 20400.187500    | 46.11            | ---              | 74.00          | 27.89       | 500.0           | 200.0       | H   | 291.0         | -5.1         |
| 21013.250000    | 47.36            | ---              | 74.00          | 26.64       | 500.0           | 100.0       | H   | 77.0          | -4.4         |
| 21135.437500    | ---              | 35.71            | 54.00          | 18.29       | 500.0           | 200.0       | V   | 0.0           | -4.2         |
| 22511.375000    | ---              | 36.11            | 54.00          | 17.89       | 500.0           | 200.0       | H   | 250.0         | -3.4         |
| 22550.687500    | 47.83            | ---              | 74.00          | 26.17       | 500.0           | 200.0       | V   | 49.0          | -3.4         |
| 24786.187500    | ---              | 35.85            | 54.00          | 18.15       | 500.0           | 200.0       | H   | 0.0           | -2.7         |
| 24822.312500    | 47.64            | ---              | 74.00          | 26.36       | 500.0           | 200.0       | H   | 296.0         | -2.7         |
| 26359.750000    | 47.86            | ---              | 74.00          | 26.14       | 500.0           | 200.0       | H   | 296.0         | -2.2         |
| 26382.062500    | ---              | 36.38            | 54.00          | 17.62       | 500.0           | 200.0       | H   | 282.0         | -2.2         |



## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 27460.187500    | ---              | 37.56            | 54.00          | 16.44       | 500.0           | 100.0       | H   | 211.0         | -0.3         |
| 27465.250000    | 49.78            | ---              | 74.00          | 24.22       | 500.0           | 200.0       | V   | 110.0         | -0.3         |
| 29021.125000    | ---              | 38.14            | 54.00          | 15.86       | 500.0           | 100.0       | H   | 7.0           | 0.1          |
| 29049.812500    | 49.59            | ---              | 74.00          | 24.41       | 500.0           | 200.0       | V   | 227.0         | 0.1          |
| 32090.687500    | ---              | 38.98            | 54.00          | 15.02       | 500.0           | 100.0       | H   | 155.0         | -0.9         |
| 32097.437500    | 50.34            | ---              | 74.00          | 23.66       | 500.0           | 200.0       | V   | 82.0          | -0.9         |
| 34208.500000    | 50.74            | ---              | 74.00          | 23.26       | 500.0           | 200.0       | H   | 348.0         | 0.1          |
| 34768.750000    | ---              | 38.73            | 54.00          | 15.27       | 500.0           | 100.0       | H   | 124.0         | 1.2          |
| 36390.437500    | ---              | 41.08            | 54.00          | 12.92       | 500.0           | 100.0       | H   | 198.0         | 4.1          |
| 36638.500000    | 52.38            | ---              | 74.00          | 21.62       | 500.0           | 200.0       | H   | 117.0         | 4.2          |
| 38332.750000    | 54.19            | ---              | 74.00          | 19.81       | 500.0           | 100.0       | H   | 169.0         | 5.4          |
| 39510.625000    | ---              | 42.84            | 54.00          | 11.16       | 500.0           | 100.0       | V   | 0.0           | 5.0          |

## 5.6. Conducted Emission

### Ambient condition

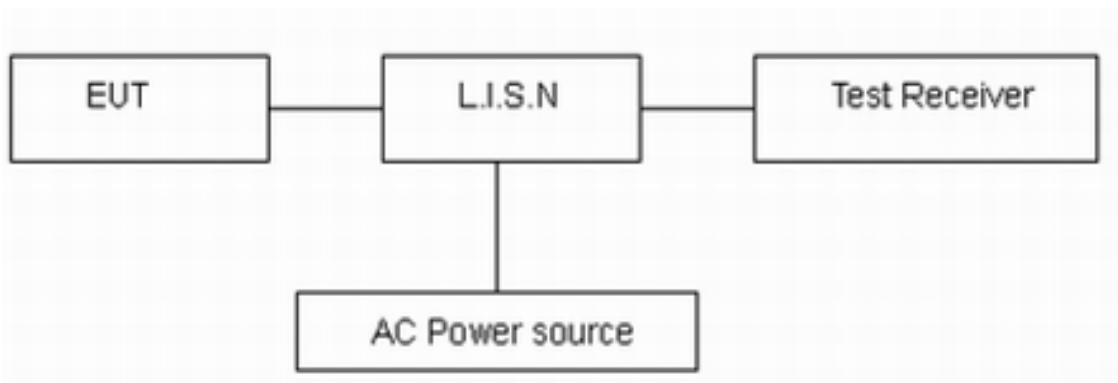
| Temperature | Relative humidity | Pressure         |
|-------------|-------------------|------------------|
| 15°C ~ 35°C | 20% ~ 80%         | 86 kPa ~ 106 kPa |

### 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

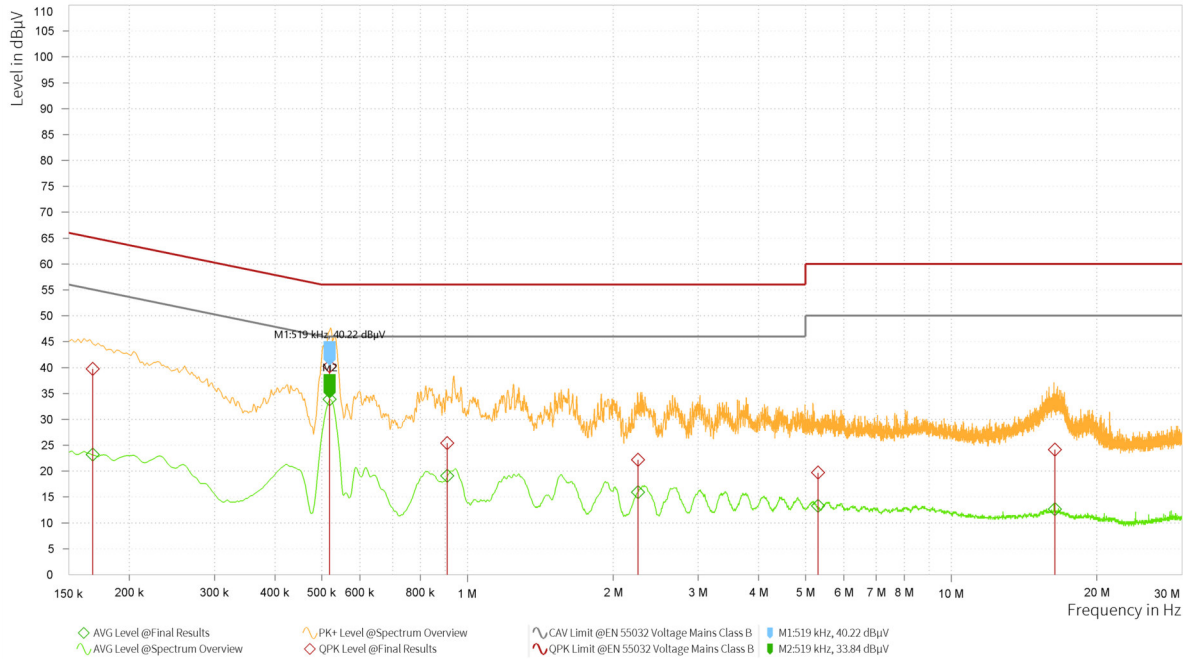
| Frequency<br>(MHz)                                | Conducted Limits(dBμV) |           |
|---------------------------------------------------|------------------------|-----------|
|                                                   | Quasi-peak             | Average   |
| 0.15 - 0.5                                        | 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. The test data of the worst-case condition was recorded in this report.

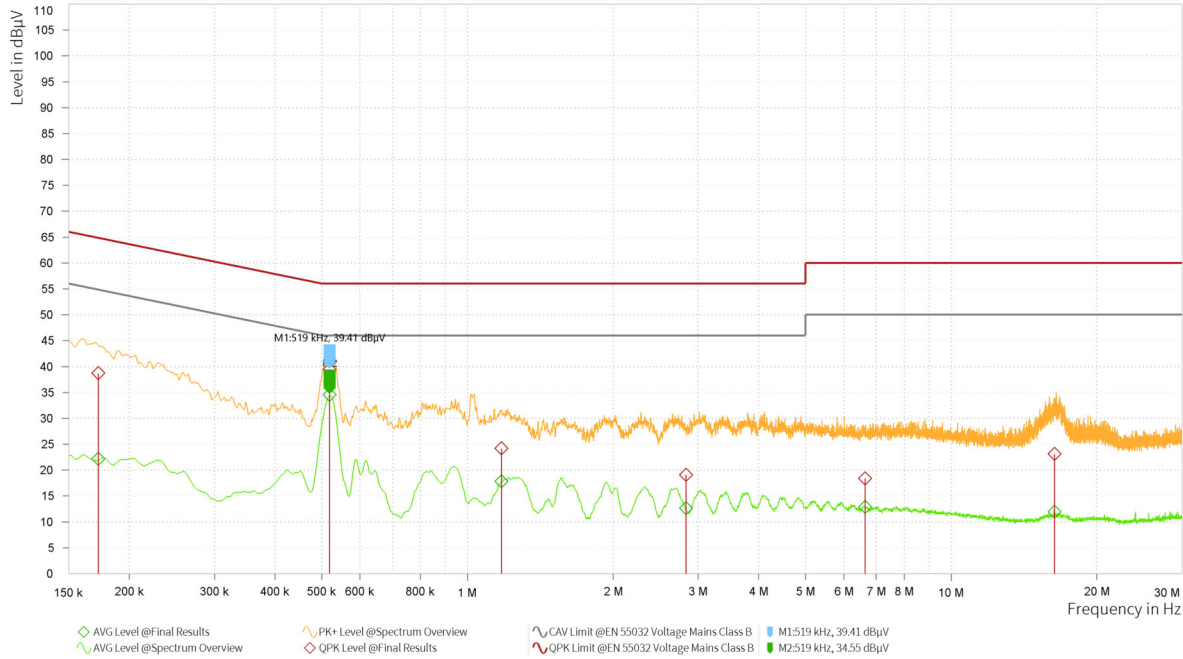


## EMI Final Results

| Rg | Frequency [MHz] | QPK Level [dBμV] | QPK Limit [dBμV] | QPK Margin [dB] | AVG Level [dBμV] | AVG: CAV Limit [dBμV] | AVG Margin [dB] | Correction [dB] | Line | Meas. BW [kHz] | Meas. Time [s] |
|----|-----------------|------------------|------------------|-----------------|------------------|-----------------------|-----------------|-----------------|------|----------------|----------------|
| 1  | 0.168           | 39.73            | 65.06            | 25.33           | 23.19            | 55.06                 | 31.87           | 20.89           | L1   | 9.000          | 1.000          |
| 1  | 0.519           | 40.22            | 56.00            | 15.78           | 33.84            | 46.00                 | 12.16           | 20.76           | L1   | 9.000          | 1.000          |
| 1  | 0.908           | 25.41            | 56.00            | 30.59           | 19.09            | 46.00                 | 26.91           | 20.23           | L1   | 9.000          | 1.000          |
| 1  | 2.252           | 22.17            | 56.00            | 33.83           | 15.94            | 46.00                 | 30.06           | 19.59           | L1   | 9.000          | 1.000          |
| 1  | 5.309           | 19.68            | 60.00            | 40.32           | 13.25            | 50.00                 | 36.75           | 19.40           | L1   | 9.000          | 1.000          |
| 1  | 16.373          | 24.13            | 60.00            | 35.87           | 12.64            | 50.00                 | 37.36           | 19.55           | L1   | 9.000          | 1.000          |

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



## EMI Final Results

| Rg | Frequency [MHz] | QPK Level [dBμV] | QPK Limit [dBμV] | QPK Margin [dB] | AVG Level [dBμV] | AVG: CAV Limit [dBμV] | AVG Margin [dB] | Correction [dB] | Line | Meas. BW [kHz] | Meas. Time [s] |
|----|-----------------|------------------|------------------|-----------------|------------------|-----------------------|-----------------|-----------------|------|----------------|----------------|
| 1  | 0.173           | 38.71            | 64.84            | 26.13           | 22.14            | 54.84                 | 32.70           | 20.90           | N    | 9.000          | 1.000          |
| 1  | 0.519           | 39.41            | 56.00            | 16.59           | 34.55            | 46.00                 | 11.45           | 20.77           | N    | 9.000          | 1.000          |
| 1  | 1.176           | 24.18            | 56.00            | 31.82           | 17.79            | 46.00                 | 28.21           | 20.04           | N    | 9.000          | 1.000          |
| 1  | 2.830           | 19.09            | 56.00            | 36.91           | 12.62            | 46.00                 | 33.38           | 19.51           | N    | 9.000          | 1.000          |
| 1  | 6.637           | 18.40            | 60.00            | 41.60           | 12.87            | 50.00                 | 37.13           | 19.41           | N    | 9.000          | 1.000          |
| 1  | 16.346          | 23.10            | 60.00            | 36.90           | 11.96            | 50.00                 | 38.04           | 19.58           | N    | 9.000          | 1.000          |

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

## 6. Main Test Instruments

| Name                     | Manufacturer | Type              | Serial Number | Calibration Date | Expiration Date |
|--------------------------|--------------|-------------------|---------------|------------------|-----------------|
| Power Sensor             | R&S          | NRP18S            | 101954        | 2024-05-07       | 2025-05-06      |
| Signal Analyzer          | KEYSIGHT     | N9020A            | MY51330870    | 2024-05-07       | 2025-05-06      |
| DC Power Supply          | UNI-T        | UTP1306S+         | 2205D0517426  | 2024-12-02       | 2025-12-01      |
| Climate Chamber          | ESPEC        | SU-242            | 93000506      | 2024-12-02       | 2025-12-01      |
| Attenuator               | HASCO        | HA18A-10          | 0003          | /                | /               |
| EMI Test Receiver        | R&S          | ESCI3             | 100948        | 2024-05-07       | 2025-05-06      |
| Loop Antenna             | SCHWARZBECK  | FMZB1519          | 1519-047      | 2023-04-16       | 2026-04-15      |
| EMI Test Receiver        | R&S          | ESR               | 102389        | 2024-05-07       | 2025-05-06      |
| Signal Analyzer          | R&S          | FSV40             | 101298        | 2024-05-07       | 2025-05-06      |
| TRILOG Broadband Antenna | SCHWARZBECK  | VULB 9163         | 01111         | 2022-10-25       | 2025-10-24      |
| Horn Antenna             | R&S          | HF 907            | 102723        | 2023-11-24       | 2026-11-23      |
| Amplifier                | R&S          | SCU18             | 10034         | 2024-05-08       | 2025-05-07      |
| Horn Antenna             | ETS-Lindgren | 3160-09           | 00102643      | 2024-09-24       | 2027-09-23      |
| Horn Antenna             | STEATITE     | QSH-SL-26-40-K-15 | 16779         | 2023-01-17       | 2026-01-16      |
| Amplifier                | MicroWave    | KLNA-18040050     | 220826001     | 2024-05-08       | 2025-05-07      |
| Software                 | R&S          | EMC32             | 9.26.01       | /                | /               |
| Artificial main network  | R&S          | ENV216            | 102191        | 2024-12-02       | 2026-12-01      |
| EMI Test Receiver        | R&S          | ESR               | 101667        | 2024-05-07       | 2025-05-06      |
| Software                 | R&S          | EMC32             | 10.35.10      | /                | /               |

## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

## ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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