

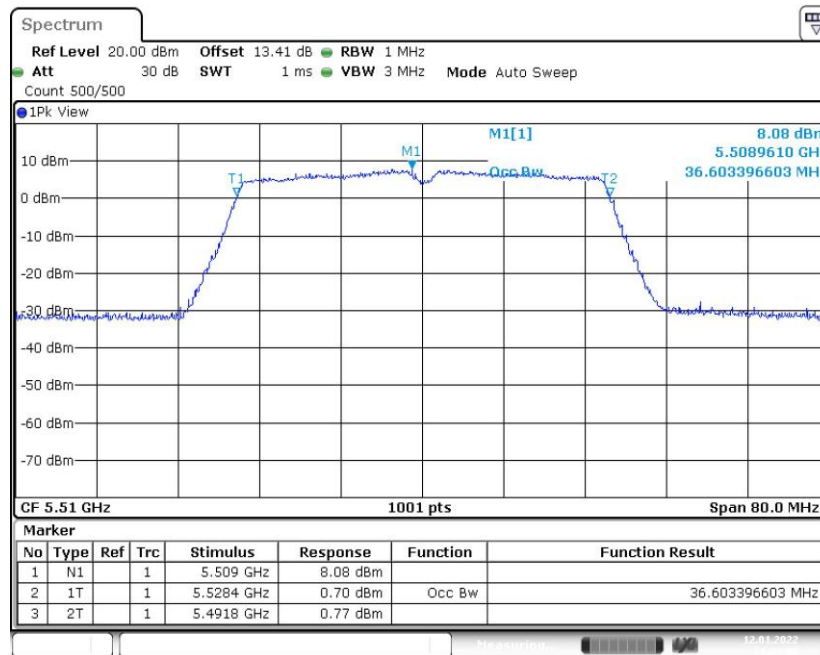


Fig. 49 99% Occupied Bandwidth (802.11ac-VHT40, 5510MHz)

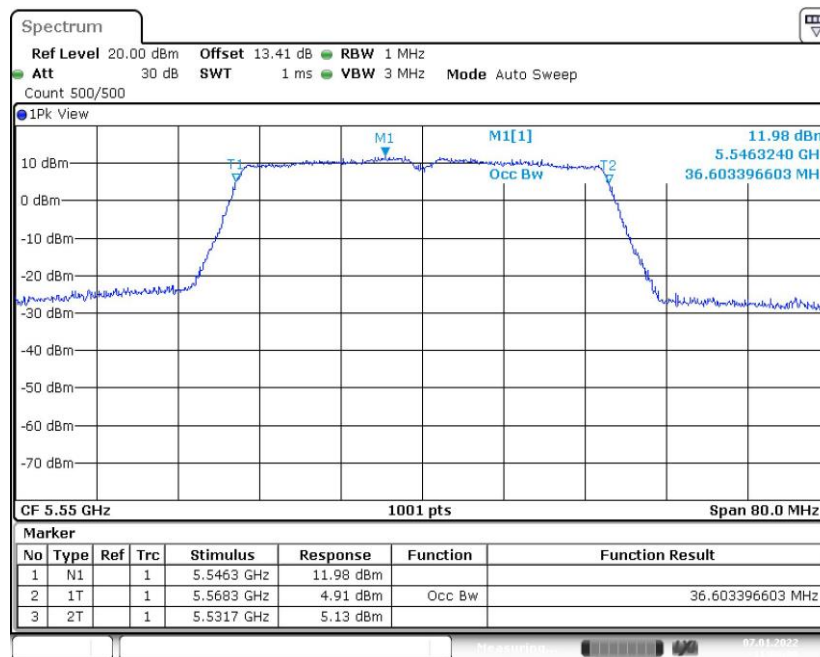


Fig. 50 99% Occupied Bandwidth (802.11ac-VHT40, 5550MHz)

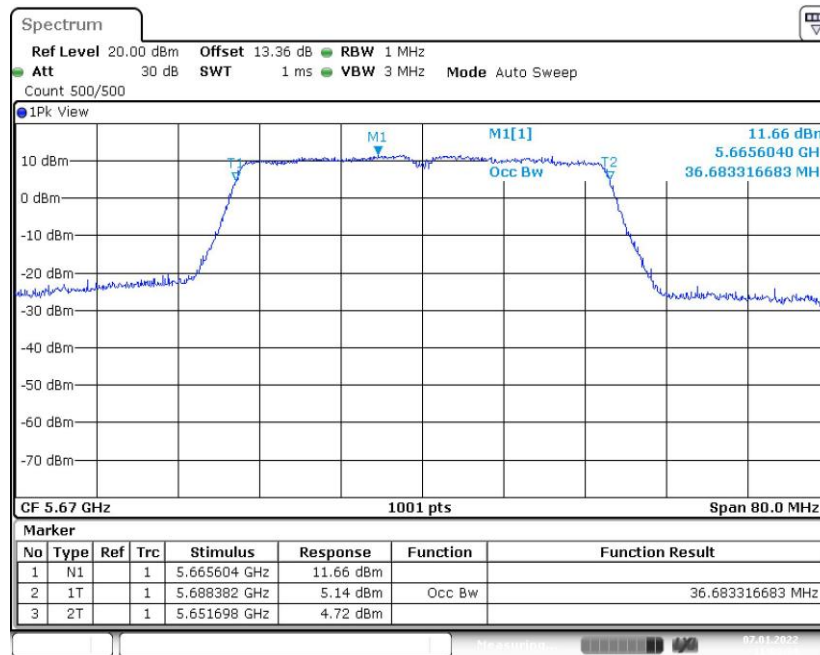


Fig. 51 99% Occupied Bandwidth (802.11ac-VHT40, 5670MHz)

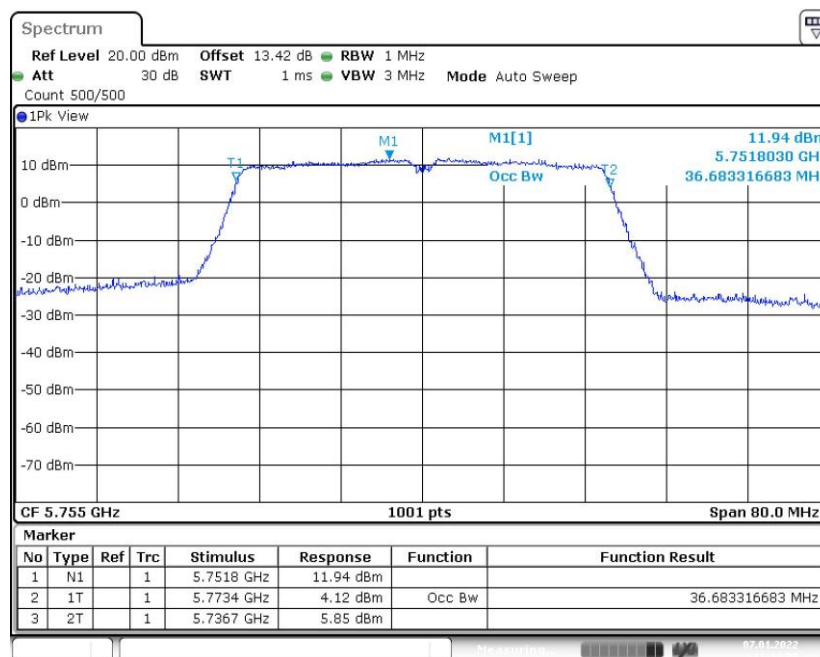


Fig. 52 99% Occupied Bandwidth (802.11ac-VHT40, 5755MHz)

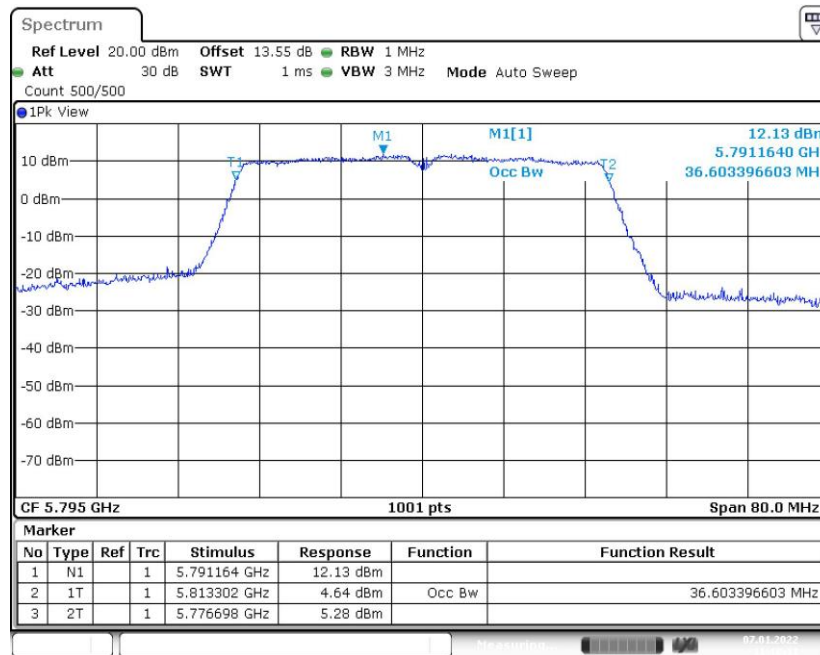


Fig. 53 99% Occupied Bandwidth (802.11ac-VHT40, 5795MHz)

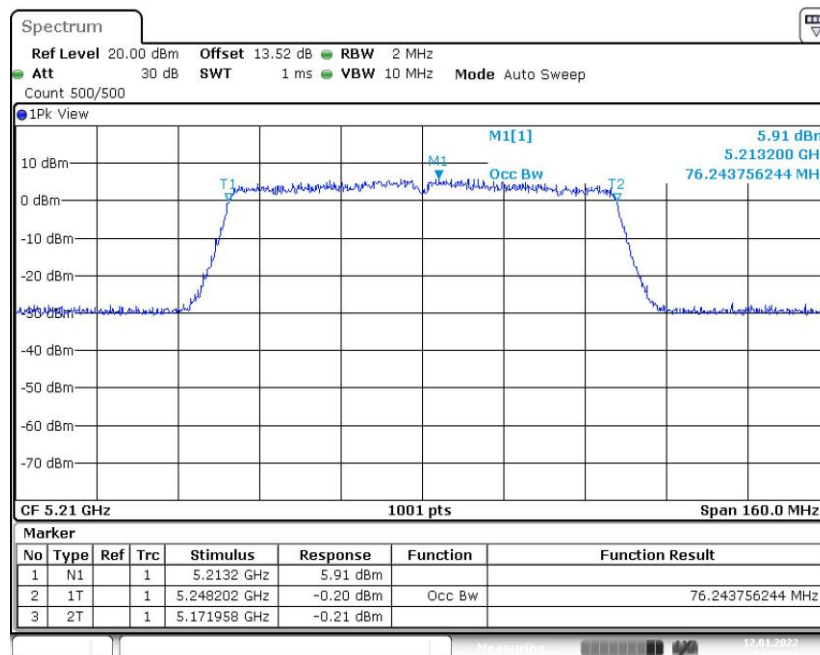


Fig. 54 99% Occupied Bandwidth (802.11ac-VHT80, 5210MHz)

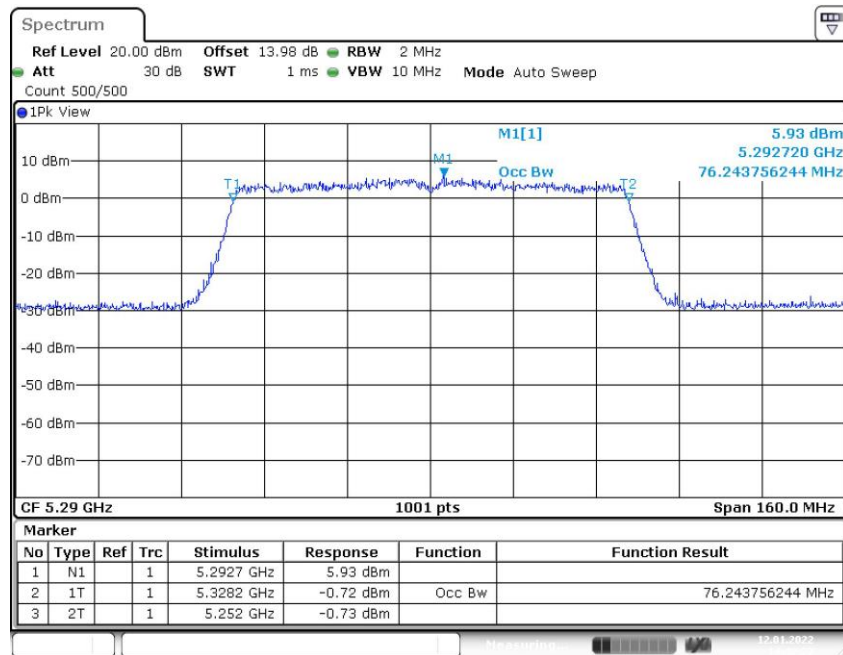


Fig. 55 99% Occupied Bandwidth (802.11ac-VHT80, 5290MHz)

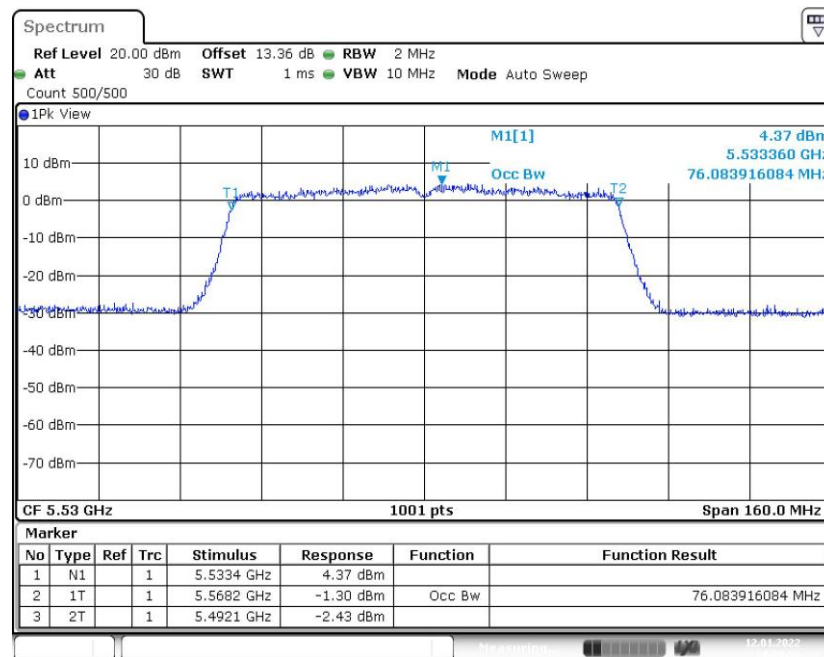


Fig. 56 99% Occupied Bandwidth (802.11ac-VHT80, 5530MHz)

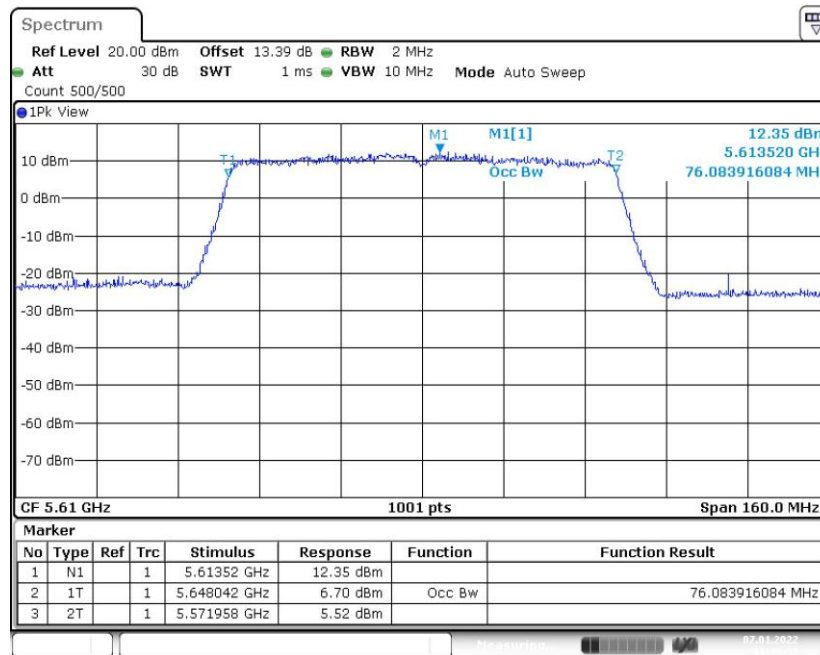


Fig. 57 99% Occupied Bandwidth (802.11ac-VHT80, 5610MHz)

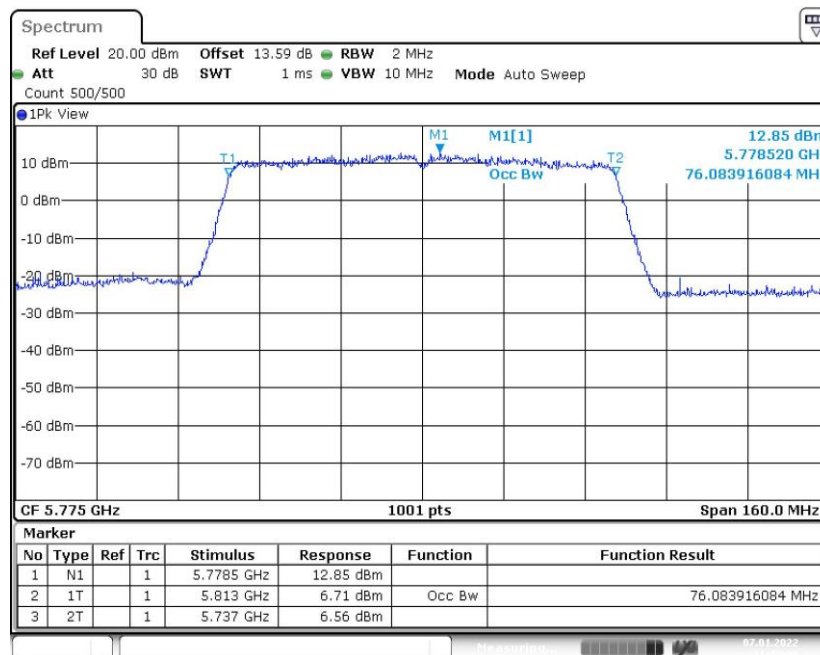


Fig. 58 99% Occupied Bandwidth (802.11ac-VHT80, 5775MHz)

## A.7. Dynamic Frequency Selection

The EUT is Client without radar detection (only support client mode).

Measurement of method: See KDB 905462-D02.

Measurement Limit:

| Standard                   | Test Items                        | Limit            |
|----------------------------|-----------------------------------|------------------|
| FCC 47 CFR Part 15.407 (h) | Channel Move Time                 | < 10 s           |
|                            | Channel Closing Transmission Time | < 200 ms + 60 ms |
|                            | Non-Occupancy Period              | > 1800 s         |

The measurement is made according to KDB 905462.

1). Parameters of DFS test signal:

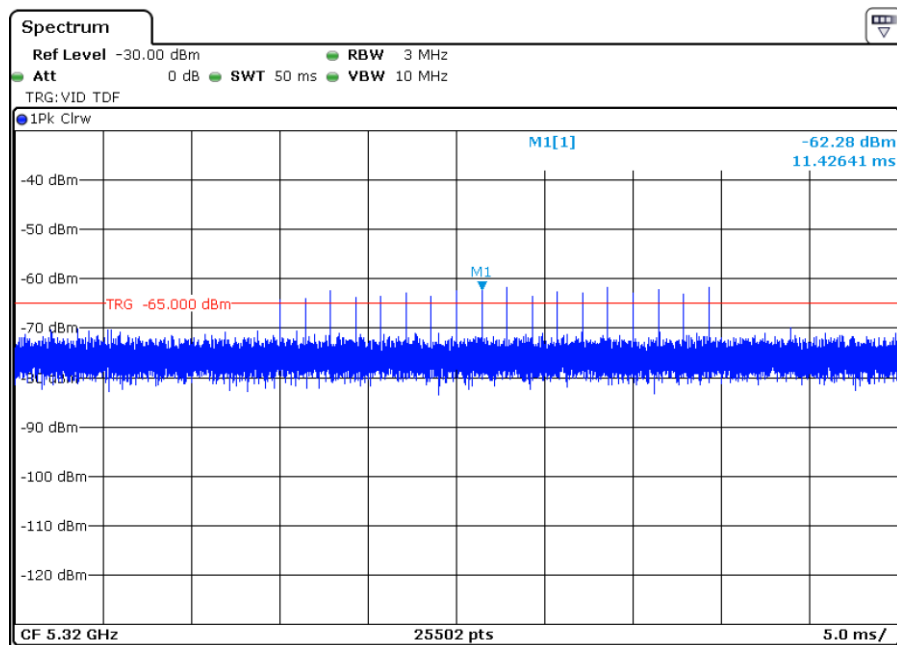
Interference threshold values, master or client incorporation in service monitoring. For device Power less than 23dBm (E.I.R.P.), the threshold level is -62 dBm at the antenna port after Correction for antenna gain and procedural adjustments.

Because of conducted measurement performed, the calibration power from radar signal generator to antenna port of DFS test equipment is -62 dBm.

| Maximum Transmit Power | Value   |
|------------------------|---------|
| > 200 mW               | -64 dBm |
| < 200 mW               | -62 dBm |

2). Parameters of the reference DFS test signal:

| Pulse width W (μs) | Pulse repetition frequency PRF (PPS) | Pulses per burst (PPB) |
|--------------------|--------------------------------------|------------------------|
| 1                  | 700                                  | 18                     |



Radar Signal (Type 0)



**Measurement Results:**

**Channel Move Time & Channel Closing Transmission Time:**

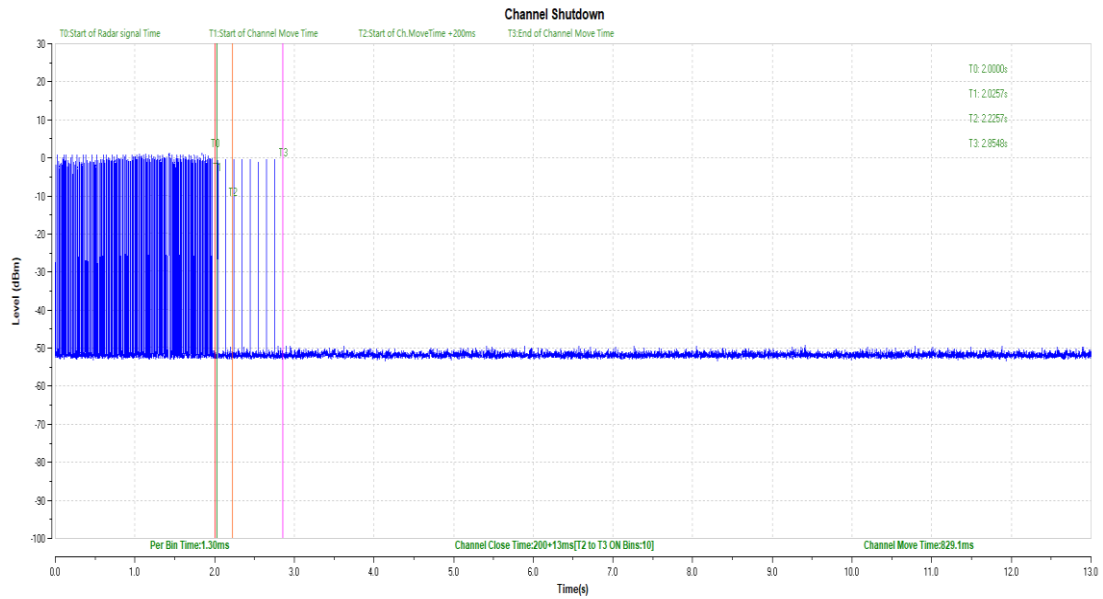
| Mode           | Channel        | Test Results | Conclusion |
|----------------|----------------|--------------|------------|
| 802.11a        | 5320MHz(Ch64)  | Fig.59       | <b>P</b>   |
| 802.11ac-VHT80 | 5530MHz(Ch106) | Fig.60       | <b>P</b>   |

**Non-Occupancy Period:**

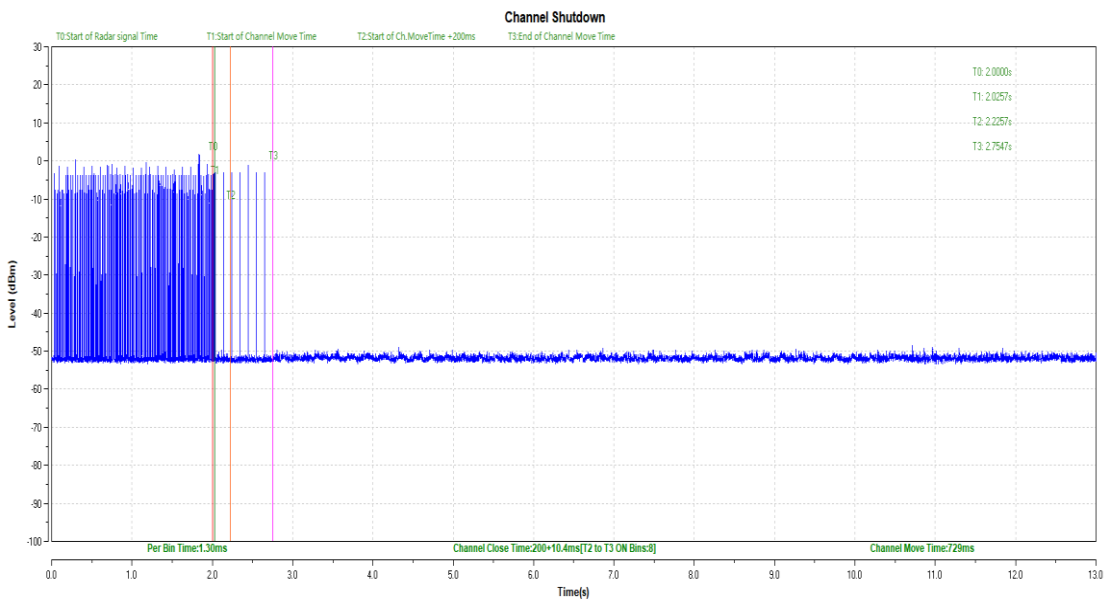
| Mode           | Channel        | Test Results | Conclusion |
|----------------|----------------|--------------|------------|
| 802.11a        | 5320MHz(Ch64)  | Fig.61       | <b>P</b>   |
| 802.11ac-VHT80 | 5530MHz(Ch106) | Fig.62       | <b>P</b>   |

**See below for test graphs.**

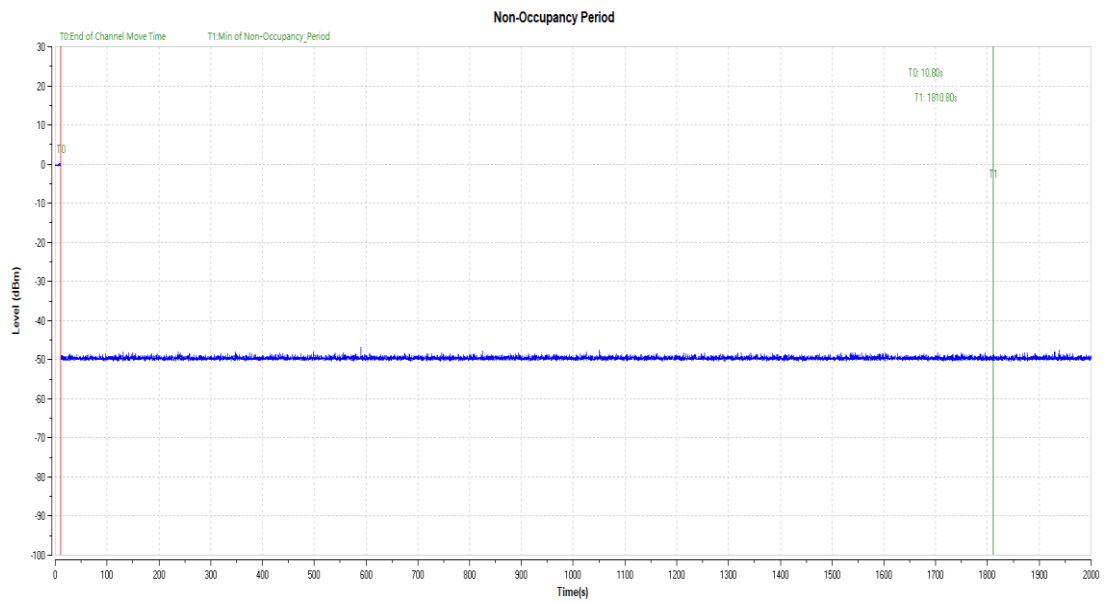
**Conclusion: PASS**



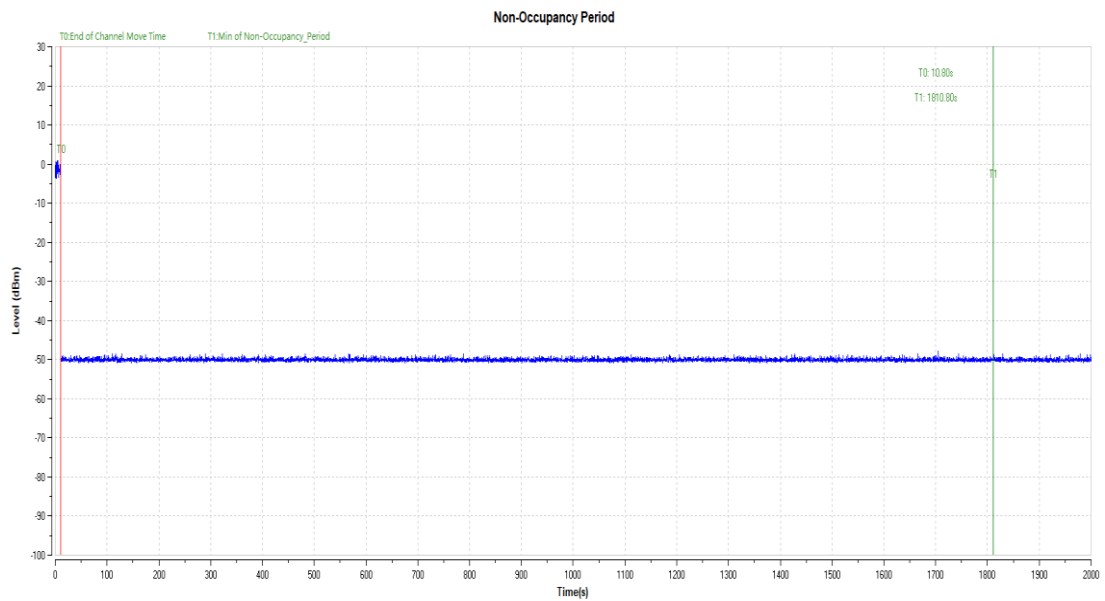
**Fig. 59 Channel Move Time & Channel Closing Transmission Time (802.11a Frequency Band: 5250MHz ~ 5350MHz)**



**Fig. 60 Channel Move Time & Channel Closing Transmission Time (802.11ac-VHT80 Frequency Band: 5470MHz~5725MHz)**



**Fig. 61 Non-Occupancy Period (802.11a Frequency Band: 5250MHz ~ 5350MHz)**



**Fig. 62 Non-Occupancy Period (802.11ac-VHT80 Frequency Band: 5470MHz~5725MHz)**

## A.8. Band Edges Compliance

Method of Measurement: See ANSI C63.10-clause 6.10.

Measurement Limit:

| Standard               | Limit (dB $\mu$ V/m) |    |
|------------------------|----------------------|----|
| FCC 47 CFR Part 15.209 | Peak                 | 74 |
|                        | Average              | 54 |

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Measurement Result:

| Mode           | Channel         | Test Results | Conclusion |
|----------------|-----------------|--------------|------------|
| 802.11a        | 5180 MHz(CH36)  | Fig.63       | <b>P</b>   |
|                | 5320 MHz(CH64)  | Fig.64       | <b>P</b>   |
|                | 5500 MHz(CH100) | Fig.65       | <b>P</b>   |
|                | 5700 MHz(CH140) | Fig.66       | <b>P</b>   |
|                | 5745 MHz(CH149) | Fig.67       | <b>P</b>   |
|                | 5825 MHz(CH165) | Fig.68       | <b>P</b>   |
| 802.11ac-VHT40 | 5190 MHz(CH38)  | Fig.69       | <b>P</b>   |
|                | 5310 MHz(CH62)  | Fig.70       | <b>P</b>   |
|                | 5510 MHz(CH102) | Fig.71       | <b>P</b>   |
|                | 5670 MHz(CH134) | Fig.72       | <b>P</b>   |
|                | 5755 MHz(CH151) | Fig.73       | <b>P</b>   |
|                | 5795 MHz(CH159) | Fig.74       | <b>P</b>   |
| 802.11ac-VHT80 | 5210 MHz(CH42)  | Fig.75       | <b>P</b>   |
|                | 5290 MHz(CH58)  | Fig.76       | <b>P</b>   |
|                | 5530 MHz(CH106) | Fig.77       | <b>P</b>   |
|                | 5610MHz(Ch122)  | Fig.78       | <b>P</b>   |
|                | 5775 MHz(CH155) | Fig.79       | <b>P</b>   |

See below for test graphs.

Conclusion: **PASS**

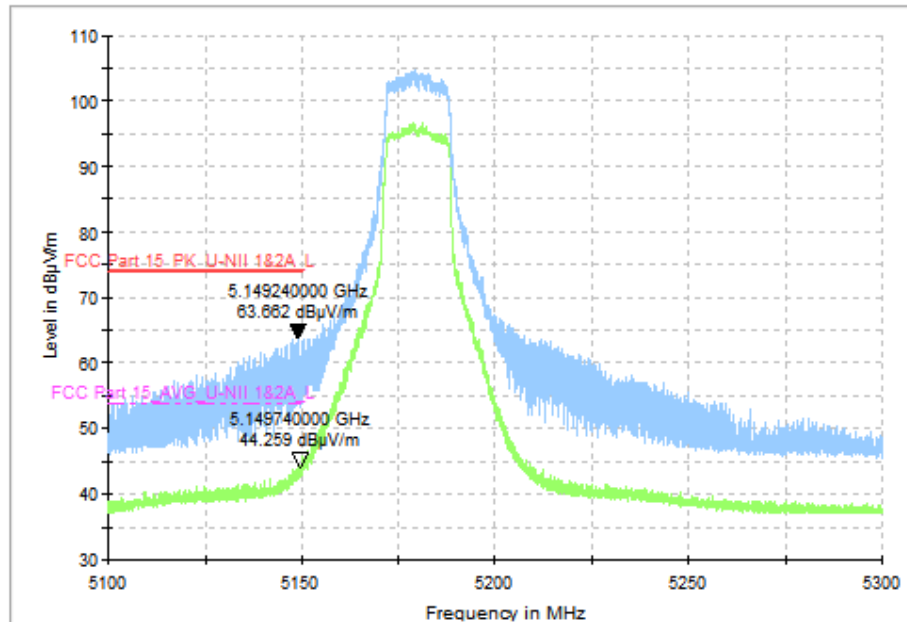


Fig. 63 Band Edges (802.11a, CH36 5180MHz)

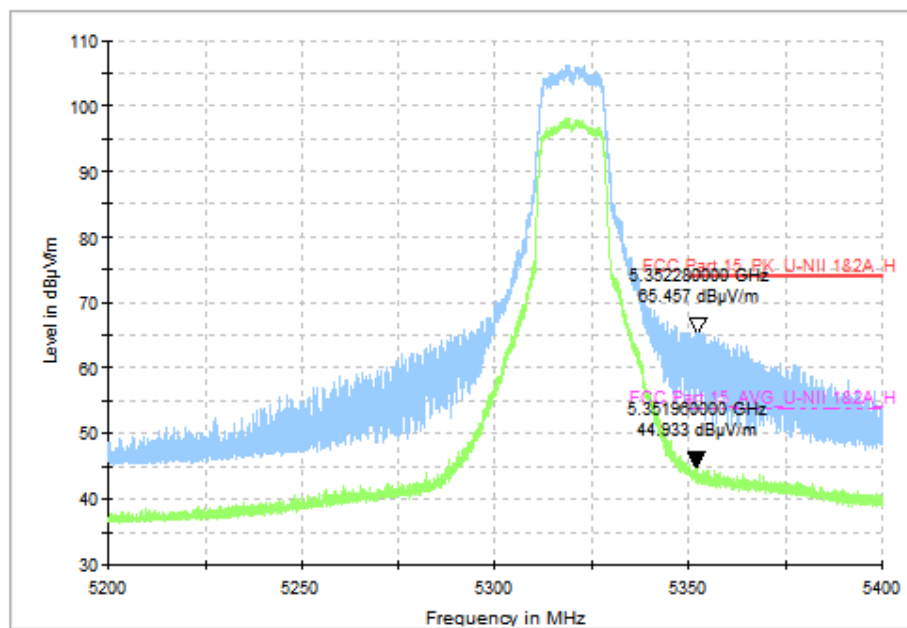
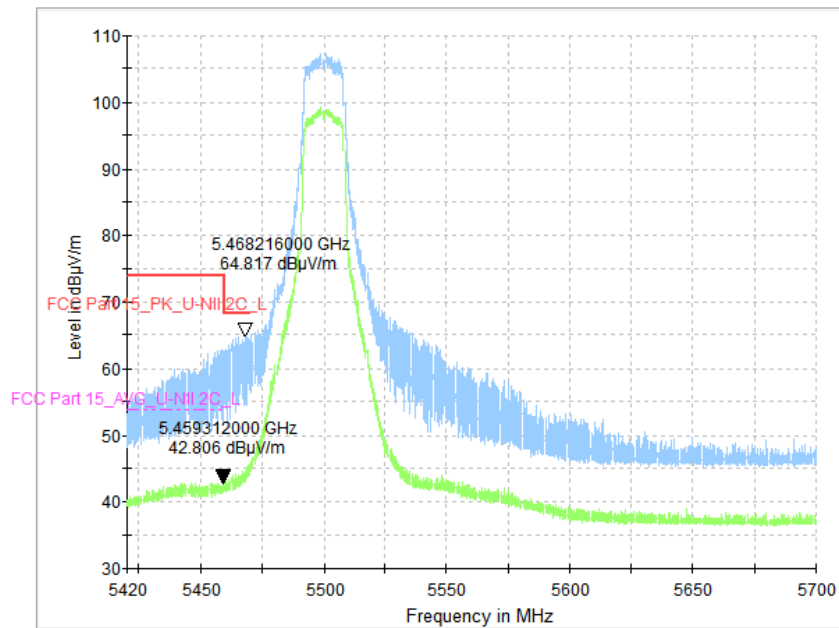
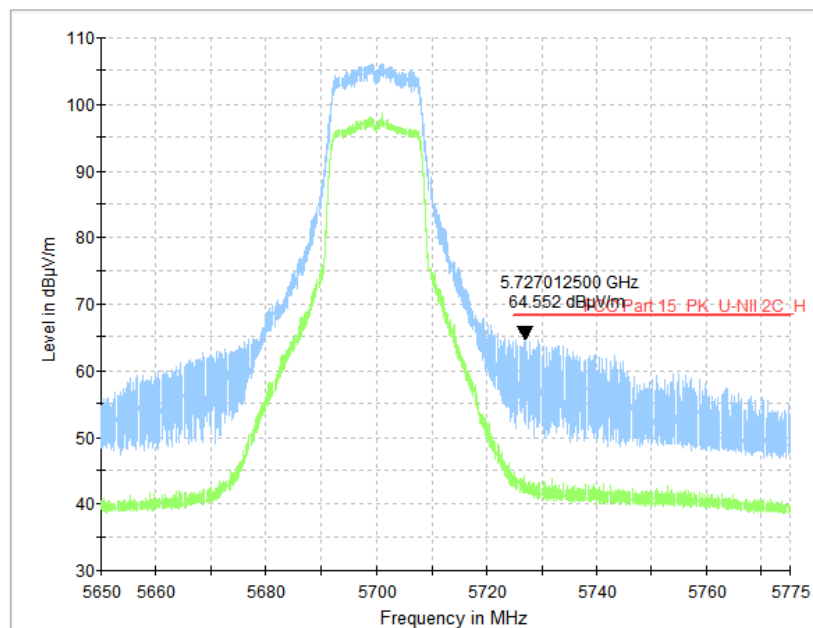


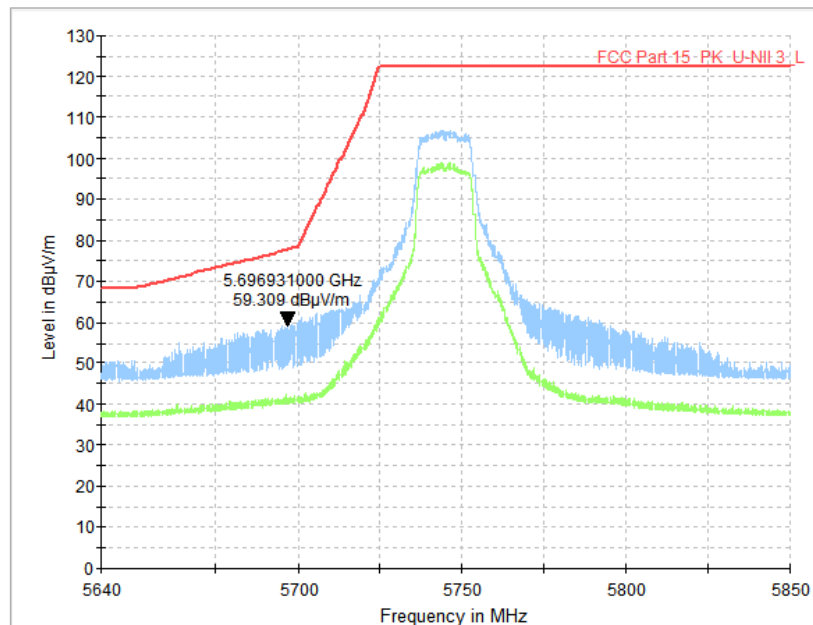
Fig. 64 Band Edges (802.11a, CH64 5320MHz)



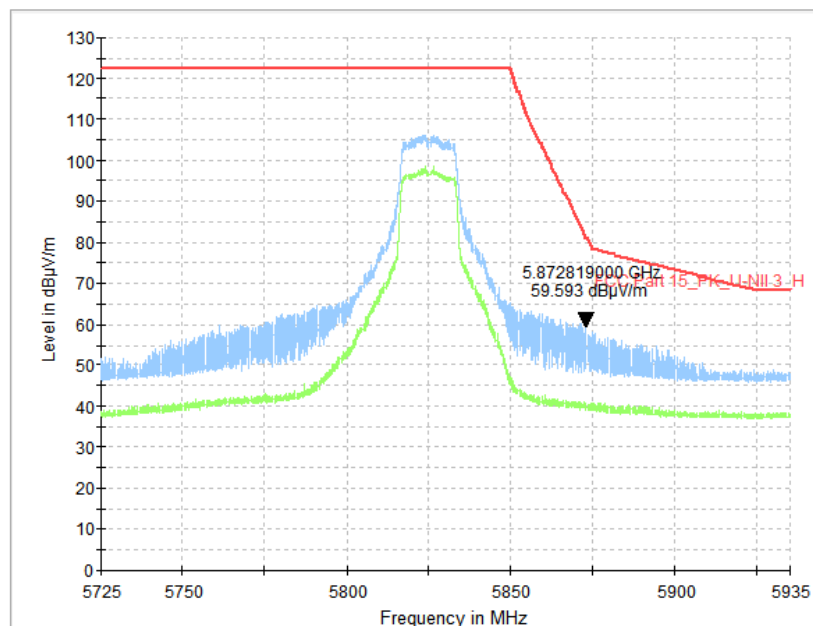
**Fig. 65 Band Edges (802.11a, CH100 5500MHz)**



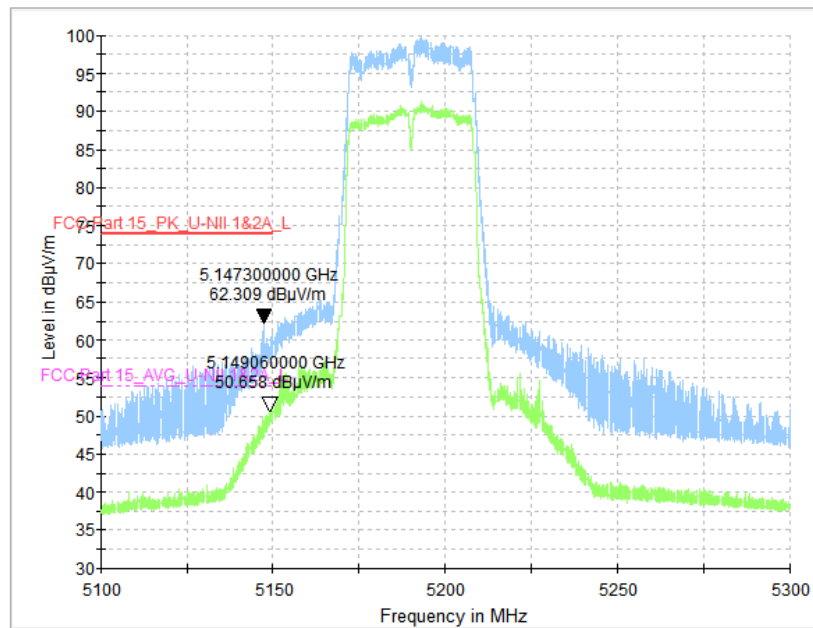
**Fig. 66 Band Edges (802.11a, CH140 5700MHz)**



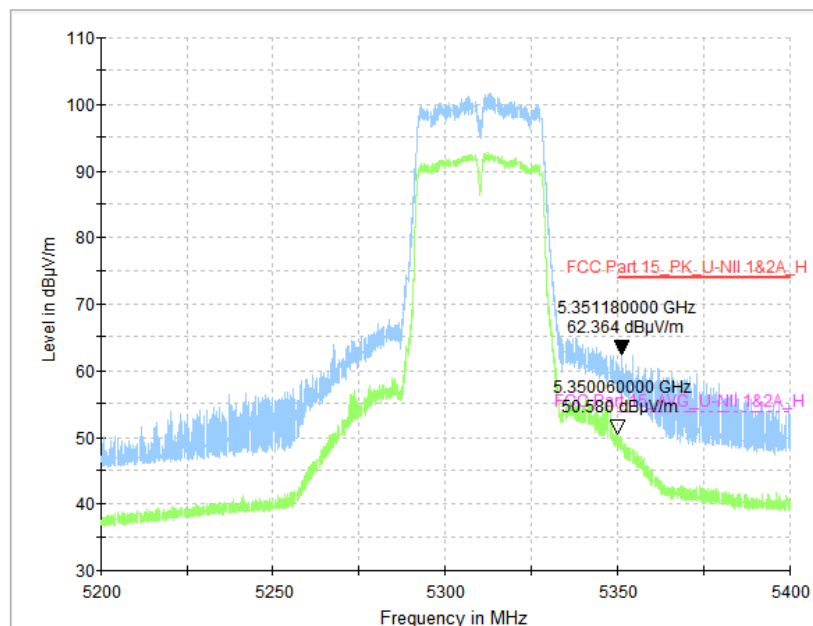
**Fig. 67 Band Edges (802.11a, CH149 5745MHz)**



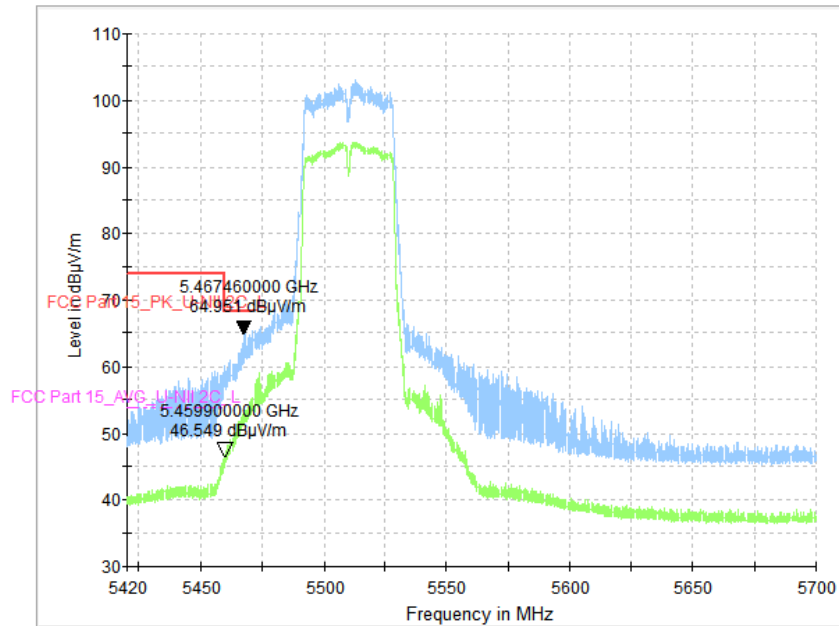
**Fig. 68 Band Edges (802.11a, CH165 5825MHz)**



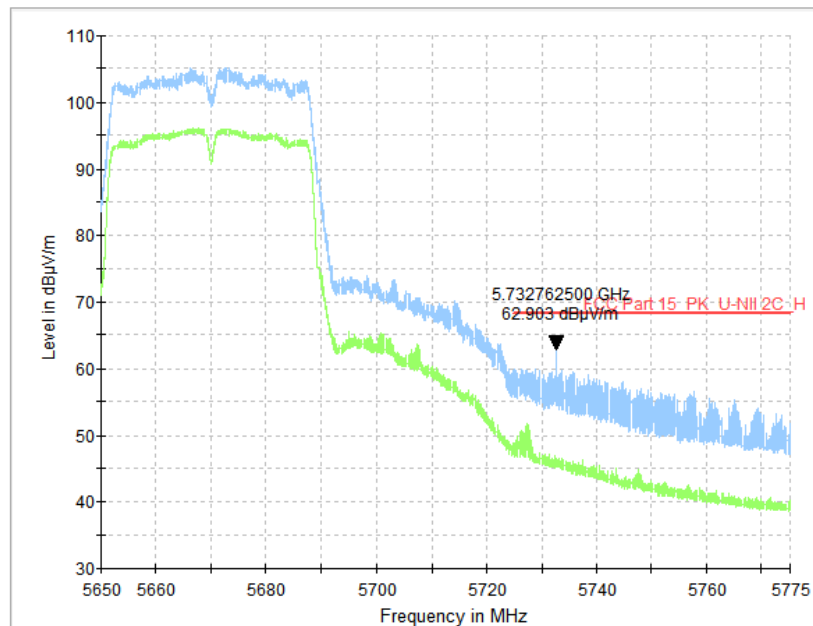
**Fig. 69 Band Edges (802.11ac-VHT40, CH38 5190MHz)**



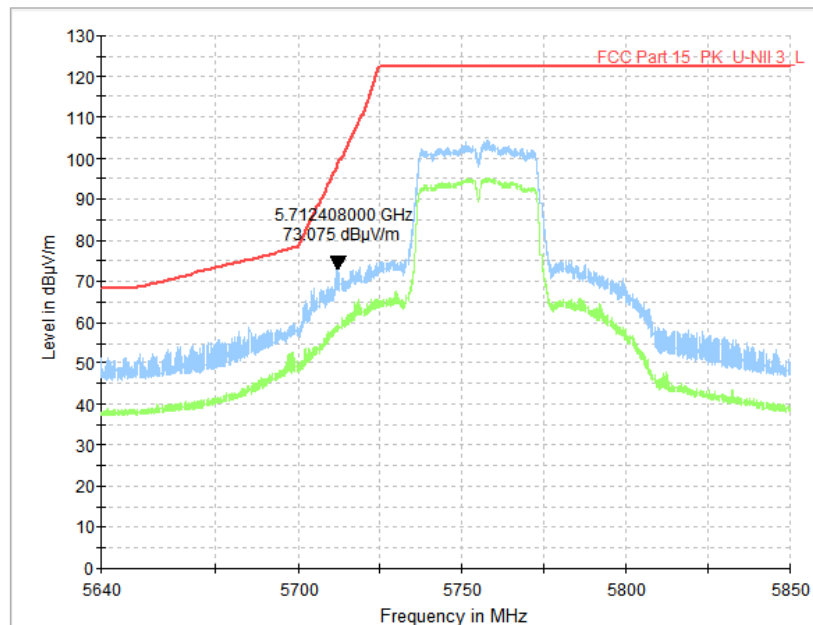
**Fig. 70 Band Edges (802.11ac-VHT40, CH62 5310MHz)**



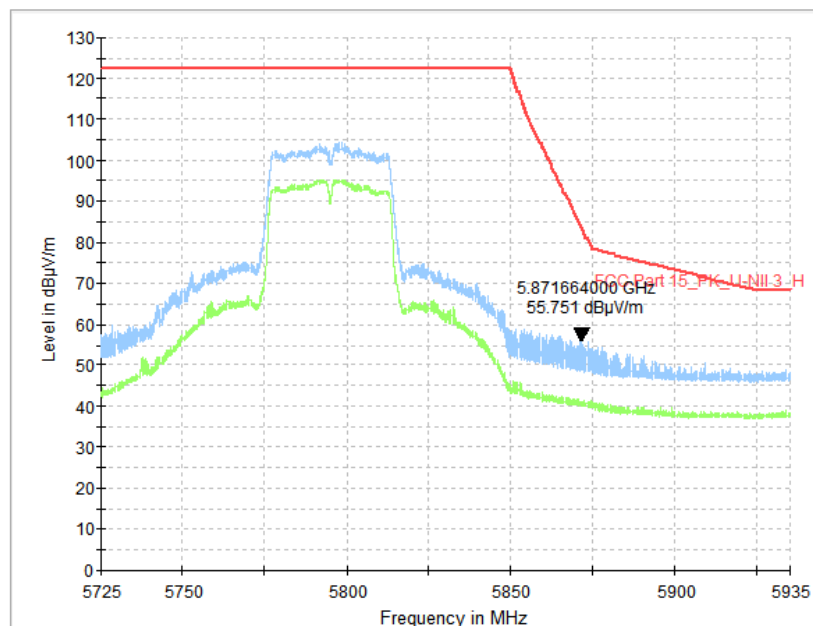
**Fig. 71 Band Edges (802.11ac-VHT40, CH102 5510MHz)**



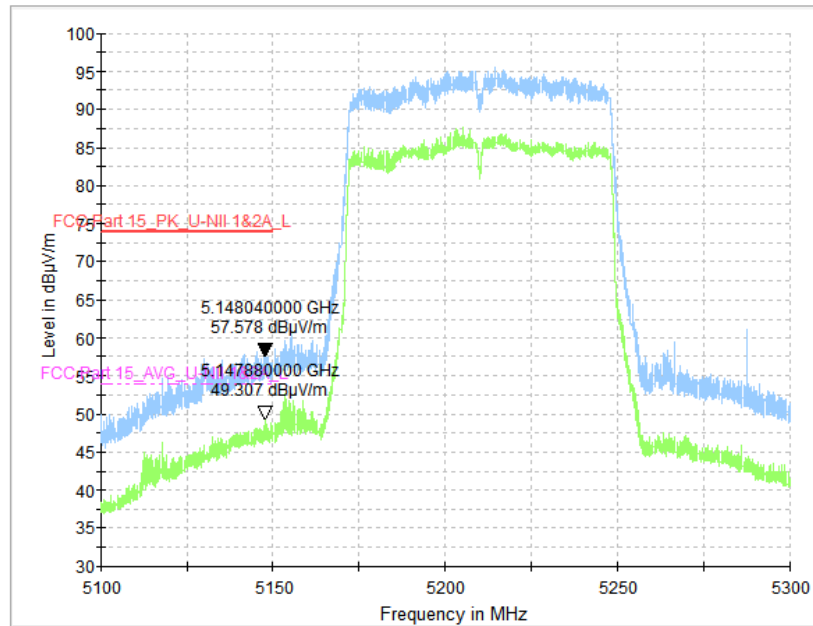
**Fig. 72 Band Edges (802.11ac-VHT40, CH134 5670MHz)**



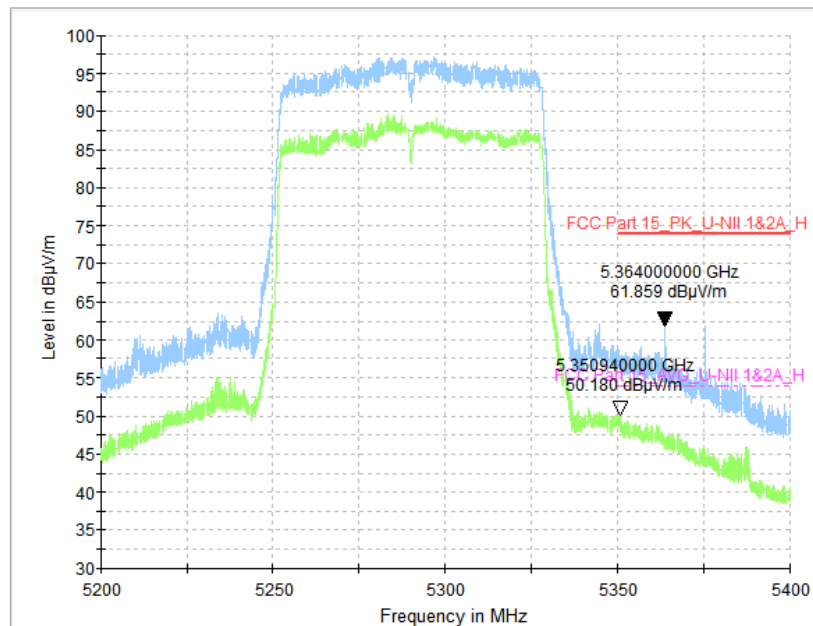
**Fig. 73 Band Edges (802.11ac-VHT40, CH151 5755MHz)**



**Fig. 74 Band Edges (802.11ac-VHT40, CH159 5795MHz)**



**Fig. 75 Band Edges (802.11ac-VHT80, CH42 5210MHz)**



**Fig. 76 Band Edges (802.11ac-VHT80, CH58 5290MHz)**

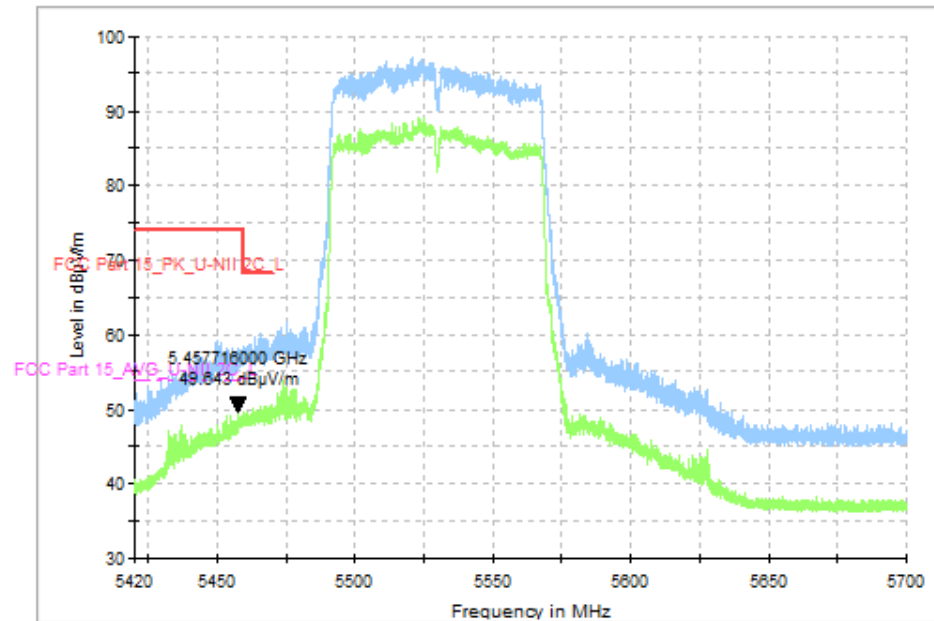


Fig. 77 Band Edges (802.11ac-VHT80, CH106 5530MHz)

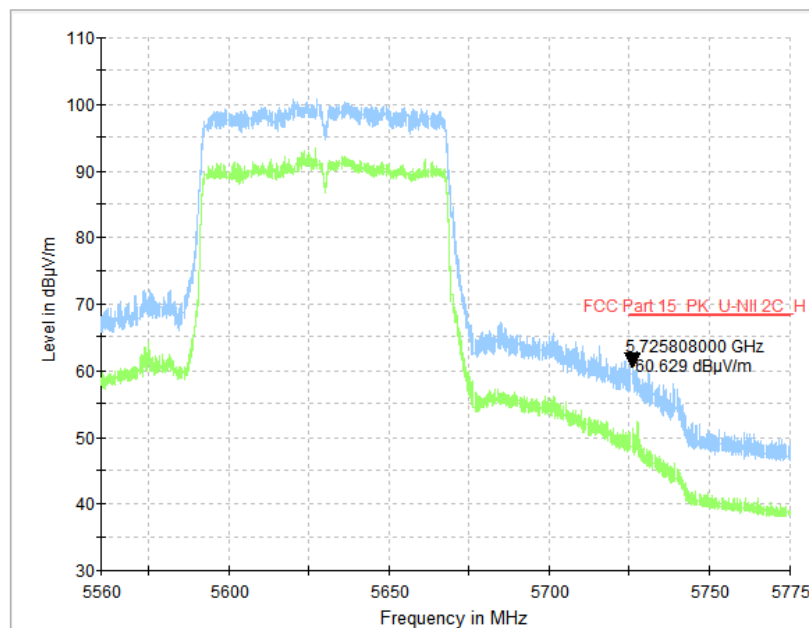
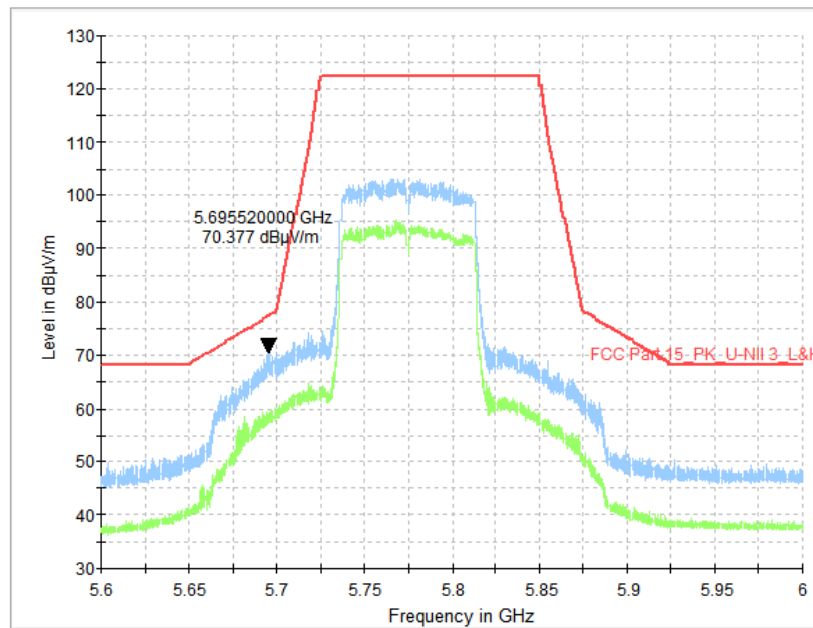


Fig. 78 Band Edges (802.11ac-VHT80, CH122 5610MHz)



**Fig. 79 Band Edges (802.11ac-VHT80, CH155 5775MHz)**

## A.9. Transmitter Spurious Emission

Measurement of method: See KDB 789033 D02 v02r01, Section G.3, G.4, G.5 and G.6.

Measurement Limit:

| Standard               | Limit (dBμV/m) |    |
|------------------------|----------------|----|
| FCC 47 CFR Part 15.209 | Peak           | 74 |
|                        | Average        | 54 |

The measurement is made according to KDB 789033.

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

| Frequency of emission (MHz) | Field strength (dBμV/m) | Measurement distance (m) |
|-----------------------------|-------------------------|--------------------------|
| 30-88                       | 40.0                    | 3                        |
| 88-216                      | 43.5                    | 3                        |
| 216-960                     | 46.0                    | 3                        |
| Above 960                   | 54.0                    | 3                        |

Note: For frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m.

Measurement Result:

| Mode               | Channel        | Frequency Range | Test Results | Conclusion |
|--------------------|----------------|-----------------|--------------|------------|
| 802.11a            | 5180MHz(Ch36)  | 1 GHz ~18 GHz   | Fig.80       | P          |
|                    | 5200MHz(Ch40)  | 1 GHz ~18 GHz   | Fig.81       | P          |
|                    | 5240MHz(Ch48)  | 1 GHz ~18 GHz   | Fig.82       | P          |
|                    | 5260MHz(Ch52)  | 1 GHz ~18 GHz   | Fig.83       | P          |
|                    | 5280MHz(Ch56)  | 1 GHz ~18 GHz   | Fig.84       | P          |
|                    | 5320MHz(Ch64)  | 1 GHz ~18 GHz   | Fig.85       | P          |
|                    | 5500MHz(Ch100) | 1 GHz ~18 GHz   | Fig.86       | P          |
|                    | 5600MHz(Ch120) | 1 GHz ~18 GHz   | Fig.87       | P          |
|                    | 5700MHz(Ch140) | 1 GHz ~18 GHz   | Fig.88       | P          |
|                    | 5745MHz(Ch149) | 1 GHz ~18 GHz   | Fig.89       | P          |
|                    | 5785MHz(Ch157) | 1 GHz ~18 GHz   | Fig.90       | P          |
|                    | 5825MHz(Ch165) | 1 GHz ~18 GHz   | Fig.91       | P          |
| 802.11ac<br>-VHT40 | 5190MHz(Ch38)  | 1 GHz ~18 GHz   | Fig.92       | P          |
|                    | 5230MHz(Ch46)  | 1 GHz ~18 GHz   | Fig.93       | P          |
|                    | 5270MHz(Ch54)  | 1 GHz ~18 GHz   | Fig.94       | P          |
|                    | 5310MHz(Ch62)  | 1 GHz ~18 GHz   | Fig.95       | P          |
|                    | 5510MHz(Ch102) | 1 GHz ~18 GHz   | Fig.96       | P          |
|                    | 5580MHz(Ch118) | 1 GHz ~18 GHz   | Fig.97       | P          |
|                    | 5670MHz(Ch134) | 1 GHz ~18 GHz   | Fig.98       | P          |

|                    |                |                  |         |          |
|--------------------|----------------|------------------|---------|----------|
| 802.11ac<br>-VHT80 | 5755MHz(Ch151) | 1 GHz ~18 GHz    | Fig.99  | <b>P</b> |
|                    | 5795MHz(Ch159) | 1 GHz ~18 GHz    | Fig.100 | <b>P</b> |
|                    | 5210MHz(Ch42)  | 1 GHz ~18 GHz    | Fig.101 | <b>P</b> |
|                    | 5290MHz(Ch58)  | 1 GHz ~18 GHz    | Fig.102 | <b>P</b> |
|                    | 5530MHz(Ch106) | 1 GHz ~18 GHz    | Fig.103 | <b>P</b> |
|                    | 5610MHz(Ch122) | 1 GHz ~18 GHz    | Fig.104 | <b>P</b> |
|                    | 5775MHz(Ch155) | 1 GHz ~18 GHz    | Fig.105 | <b>P</b> |
| All channels       |                | 30 MHz ~1 GHz    | Fig.106 | <b>P</b> |
|                    |                | 18 GHz ~26.5 GHz | Fig.107 | <b>P</b> |
|                    |                | 26.5GHz~40GHz    | Fig.108 | <b>P</b> |

### Worst Case Result:

#### 802.11a CH149

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|--------------------|---------------------|-------------------|----------------|-----|-----------------|
| 7514.307692        | 44.18               | 74.00             | 29.82          | H   | 5.7             |
| 8227.846154        | 45.00               | 74.00             | 29.00          | V   | 5.9             |
| 10890.923077       | 48.35               | 74.00             | 25.65          | H   | 9.4             |
| 12266.307692       | 47.63               | 74.00             | 26.37          | V   | 11.0            |
| 15854.769231       | 51.70               | 74.00             | 22.30          | V   | 14.0            |
| 17904.923077       | 53.58               | 74.00             | 20.42          | V   | 18.8            |

| Frequency<br>(MHz) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|--------------------|---------------------|-------------------|----------------|-----|-----------------|
| 7514.307692        | 33.65               | 54.00             | 20.35          | H   | 5.7             |
| 8227.846154        | 34.36               | 54.00             | 19.64          | V   | 5.9             |
| 10890.923077       | 36.36               | 54.00             | 17.64          | H   | 9.4             |
| 12266.307692       | 37.37               | 54.00             | 16.63          | V   | 11.0            |
| 15854.769231       | 40.86               | 54.00             | 13.14          | V   | 14.0            |
| 17904.923077       | 43.26               | 54.00             | 10.74          | V   | 18.8            |

#### 802.11ac-VHT40 CH151

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|--------------------|---------------------|-------------------|----------------|-----|-----------------|
| 7609.384616        | 45.35               | 74.00             | 28.65          | H   | 5.7             |
| 8251.846154        | 45.37               | 74.00             | 28.63          | H   | 5.9             |
| 10881.692308       | 46.91               | 74.00             | 27.09          | H   | 9.3             |
| 11631.692308       | 47.59               | 74.00             | 26.41          | V   | 9.9             |
| 12414.923077       | 48.03               | 74.00             | 25.97          | V   | 11.4            |
| 15883.846154       | 51.17               | 74.00             | 22.83          | H   | 14.0            |

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----|--------------|
| 7609.384616     | 34.36            | 54.00          | 19.64       | H   | 5.7          |
| 8251.846154     | 34.58            | 54.00          | 19.42       | H   | 5.9          |
| 10881.692308    | 36.21            | 54.00          | 17.79       | H   | 9.3          |
| 11631.692308    | 36.99            | 54.00          | 17.01       | V   | 9.9          |
| 12414.923077    | 37.39            | 54.00          | 16.61       | V   | 11.4         |
| 15883.846154    | 40.76            | 54.00          | 13.24       | H   | 14.0         |

#### 802.11ac-VHT80 CH155

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----|--------------|
| 7487.538462     | 45.40            | 74.00          | 28.60       | H   | 5.7          |
| 8259.230769     | 44.94            | 74.00          | 29.06       | H   | 5.9          |
| 11197.384615    | 47.36            | 74.00          | 26.64       | V   | 9.7          |
| 12475.384615    | 47.79            | 74.00          | 26.21       | V   | 11.3         |
| 15876.000000    | 51.64            | 74.00          | 22.36       | H   | 14.0         |
| 17920.615385    | 54.74            | 74.00          | 19.26       | V   | 18.9         |

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----|--------------|
| 7487.538462     | 33.94            | 54.00          | 20.06       | H   | 5.7          |
| 8259.230769     | 34.72            | 54.00          | 19.28       | H   | 5.9          |
| 11197.384615    | 36.43            | 54.00          | 17.57       | V   | 9.7          |
| 12475.384615    | 37.84            | 54.00          | 16.16       | V   | 11.3         |
| 15876.000000    | 41.17            | 54.00          | 12.83       | H   | 14.0         |
| 17920.615385    | 43.79            | 54.00          | 10.21       | V   | 18.9         |

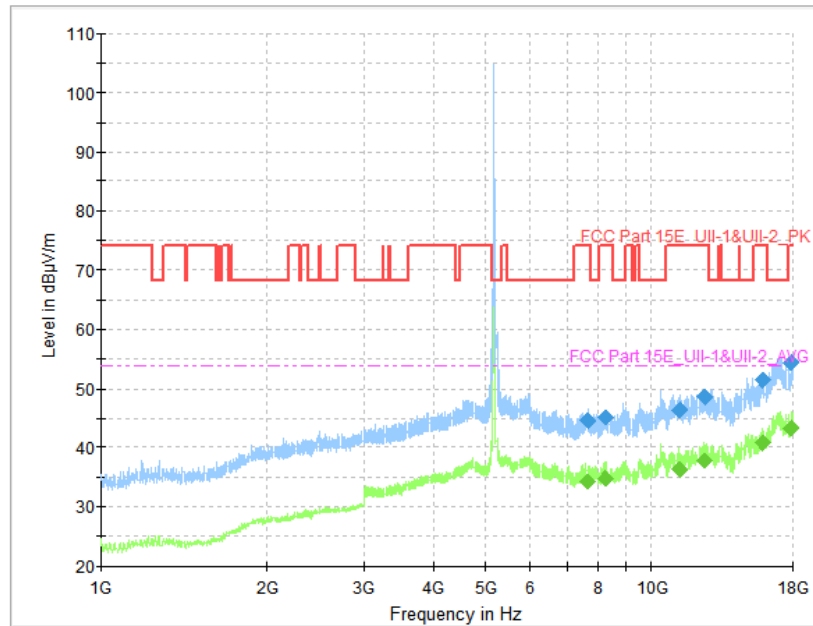
#### Note:

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.  $P_{Mea}$  is the field strength recorded from the instrument. The measurement results are obtained as described below:

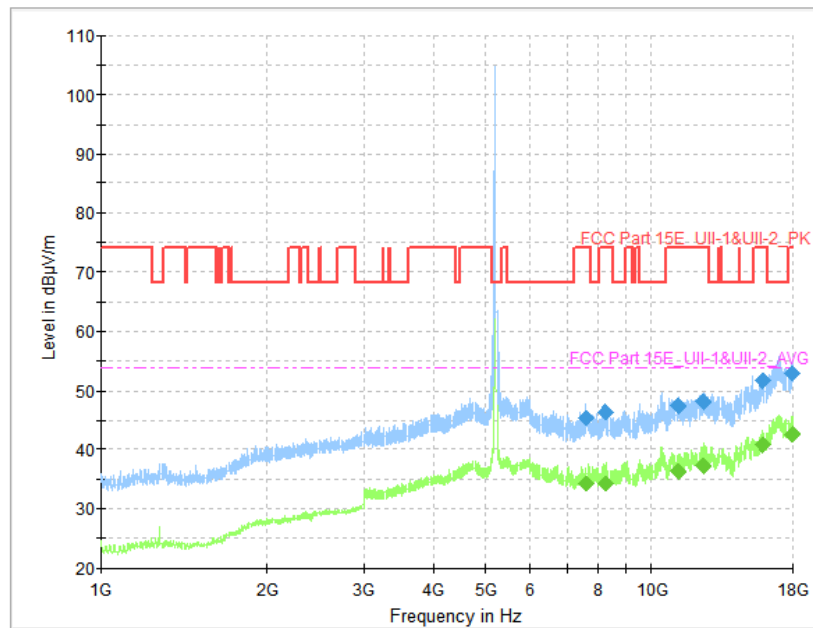
Result =  $P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$

See below for test graphs.

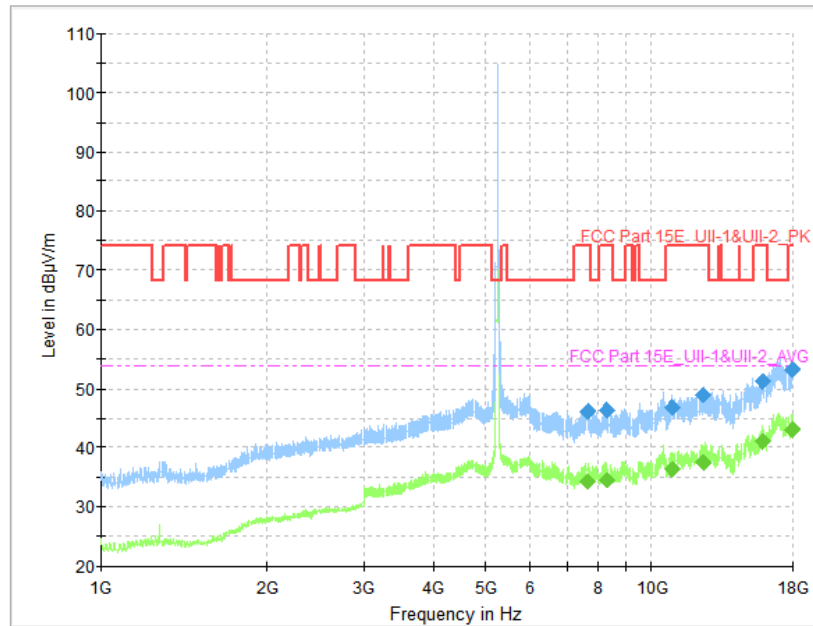
Conclusion: PASS



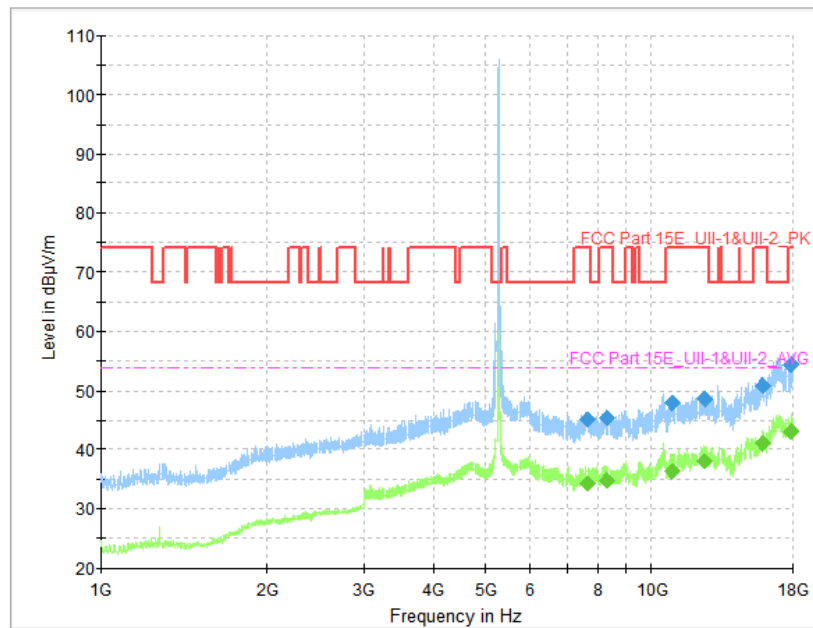
**Fig. 80 Transmitter Spurious Emission (802.11a, CH36 5180MHz, 1 GHz-18 GHz)**



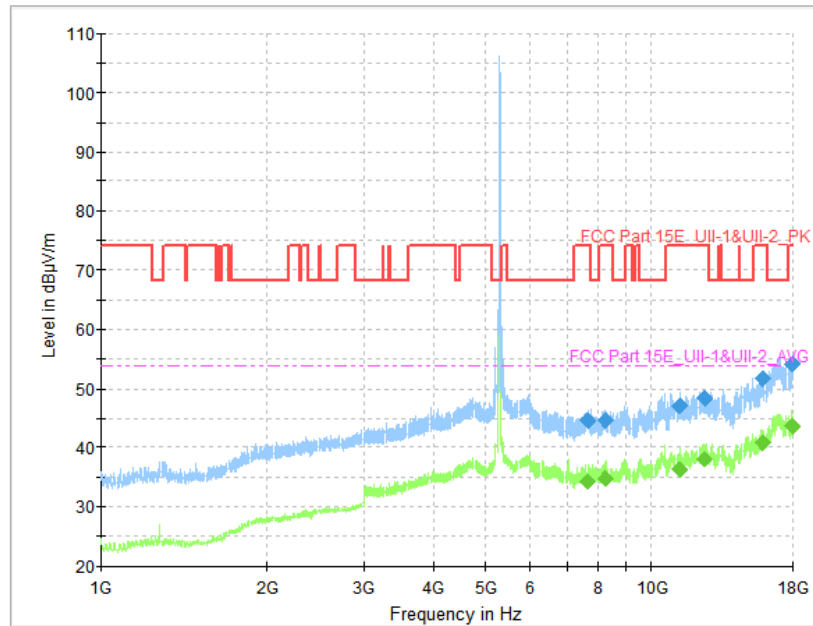
**Fig. 81 Transmitter Spurious Emission (802.11a, CH40 5200MHz, 1 GHz-18 GHz)**



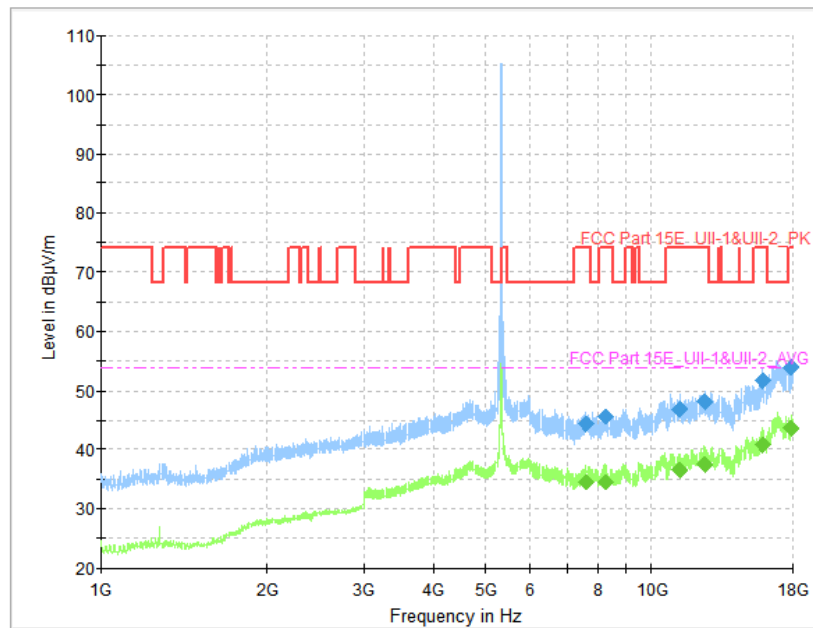
**Fig. 82 Transmitter Spurious Emission (802.11a, CH48 5240MHz, 1 GHz-18 GHz)**



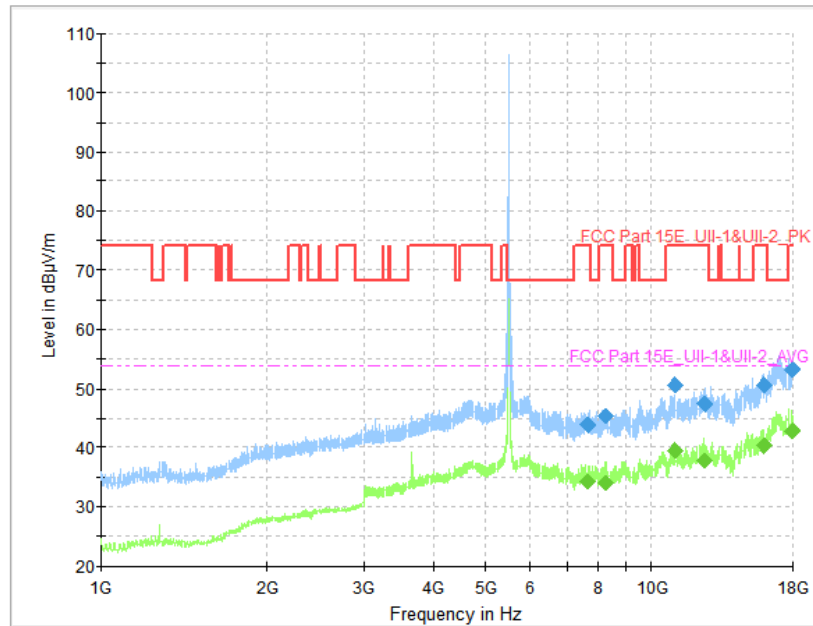
**Fig. 83 Transmitter Spurious Emission (802.11a, CH52 5260MHz, 1 GHz-18 GHz)**



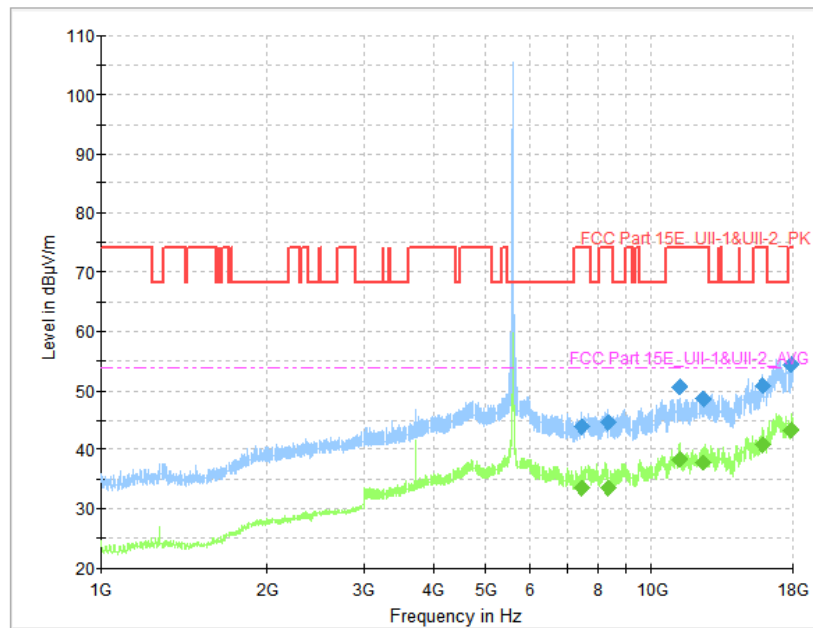
**Fig. 84 Transmitter Spurious Emission (802.11a, CH56 5280MHz, 1 GHz-18 GHz)**



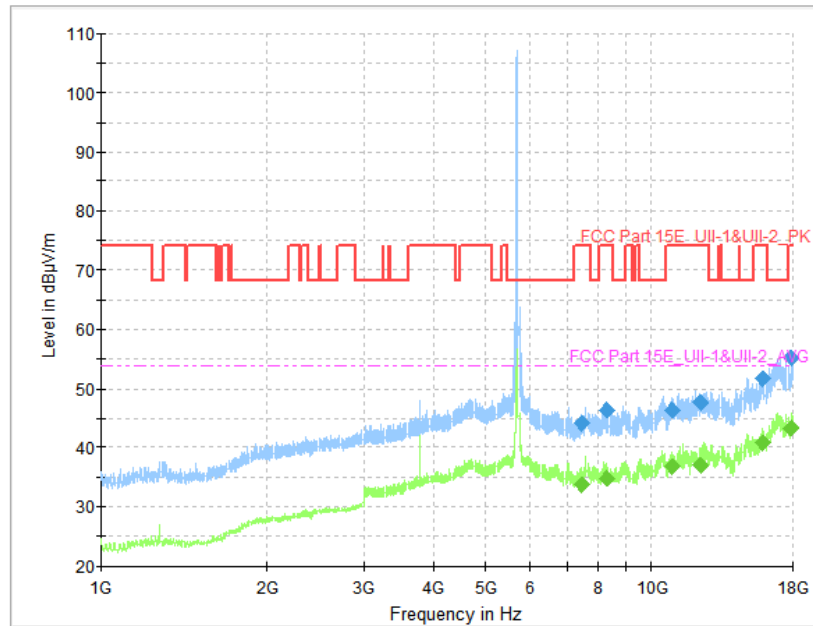
**Fig. 85 Transmitter Spurious Emission (802.11a, CH64 5320MHz, 1 GHz-18 GHz)**



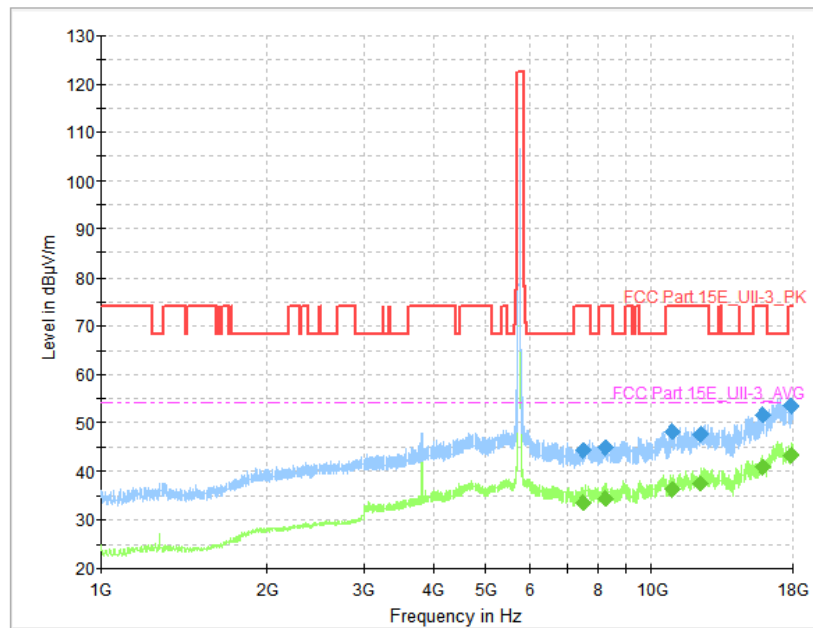
**Fig. 86 Transmitter Spurious Emission (802.11a, CH100 5500MHz, 1 GHz-18 GHz)**



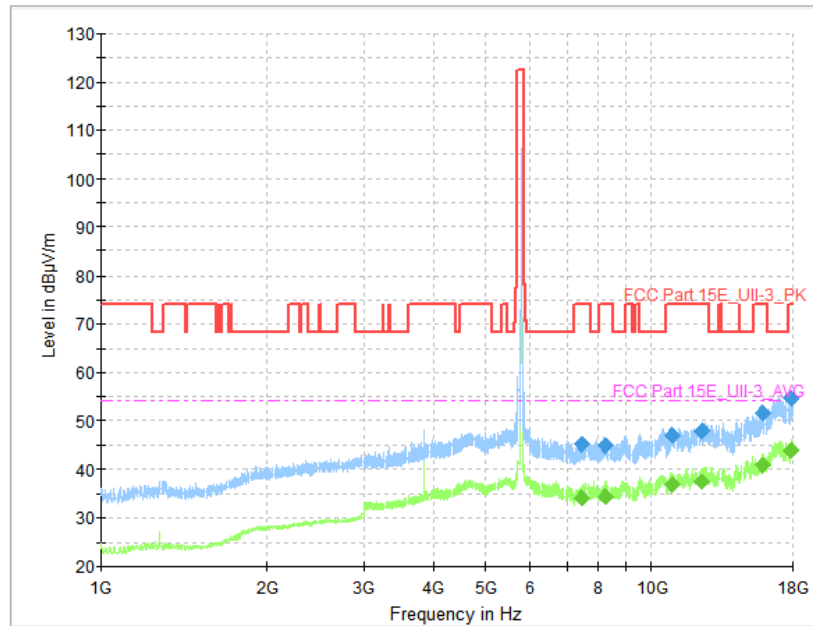
**Fig. 87 Transmitter Spurious Emission (802.11a, CH120 5600MHz, 1 GHz-18 GHz)**



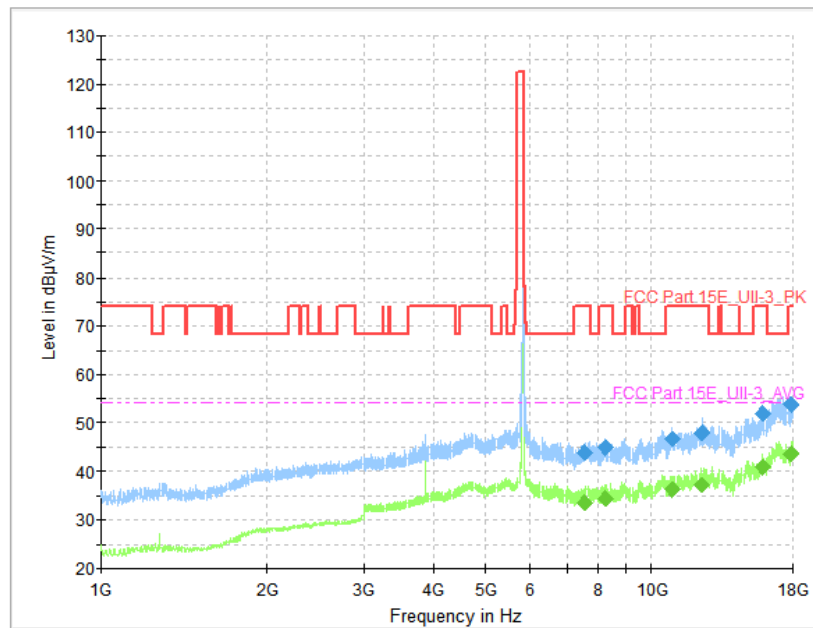
**Fig. 88 Transmitter Spurious Emission (802.11a, CH140 5700MHz, 1 GHz-18 GHz)**



**Fig. 89 Transmitter Spurious Emission (802.11a, CH149 5745MHz, 1 GHz-18 GHz)**



**Fig. 90 Transmitter Spurious Emission (802.11a, CH157 5785MHz, 1 GHz-18 GHz)**



**Fig. 91 Transmitter Spurious Emission (802.11a, CH165 5825MHz, 1 GHz-18 GHz)**

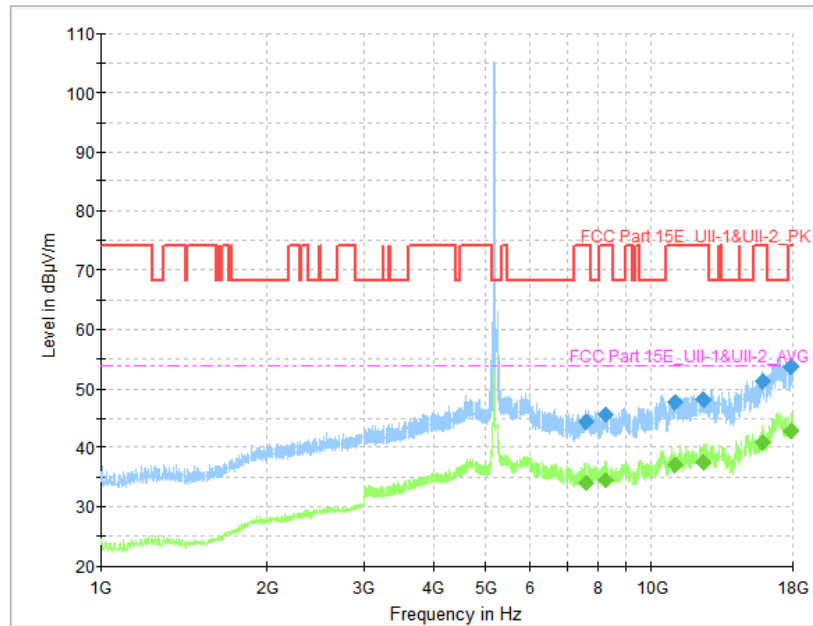


Fig. 92 Transmitter Spurious Emission (802.11ac-VHT40, CH38 5190MHz, 1 GHz-18 GHz)

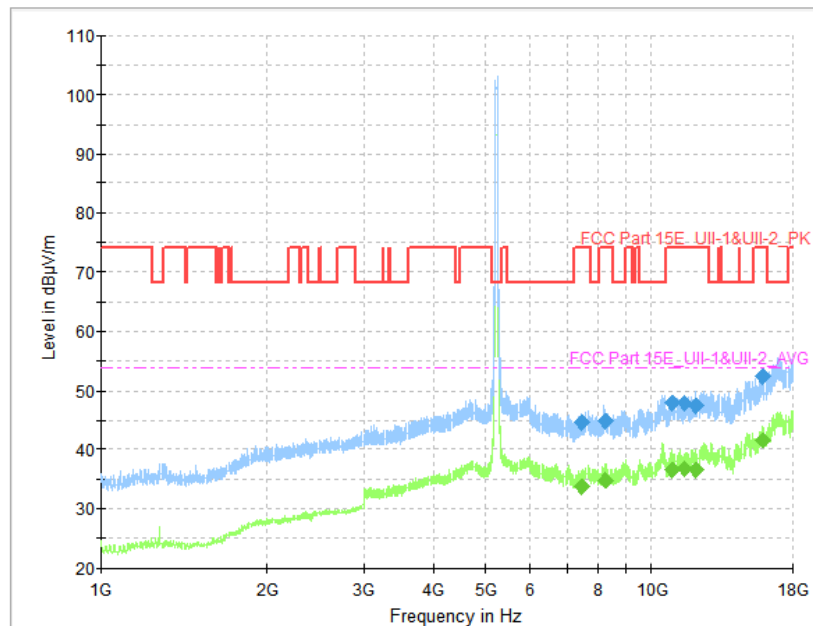


Fig. 93 Transmitter Spurious Emission (802.11ac-VHT40, CH46 5230MHz, 1 GHz-18 GHz)

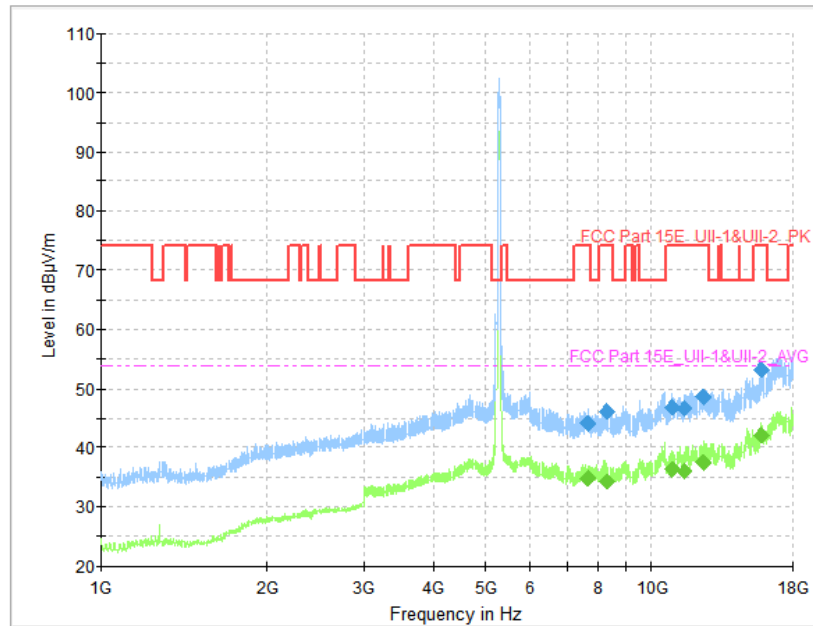


Fig. 94 Transmitter Spurious Emission (802.11ac-VHT40, CH54 5270MHz, 1 GHz-18 GHz)

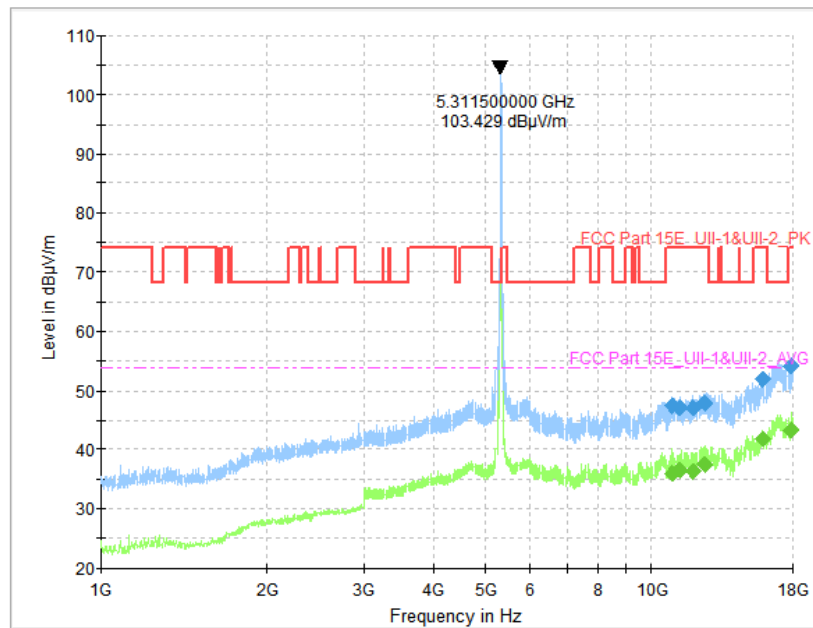


Fig. 95 Transmitter Spurious Emission (802.11ac-VHT40, CH62 5310MHz, 1 GHz-18 GHz)

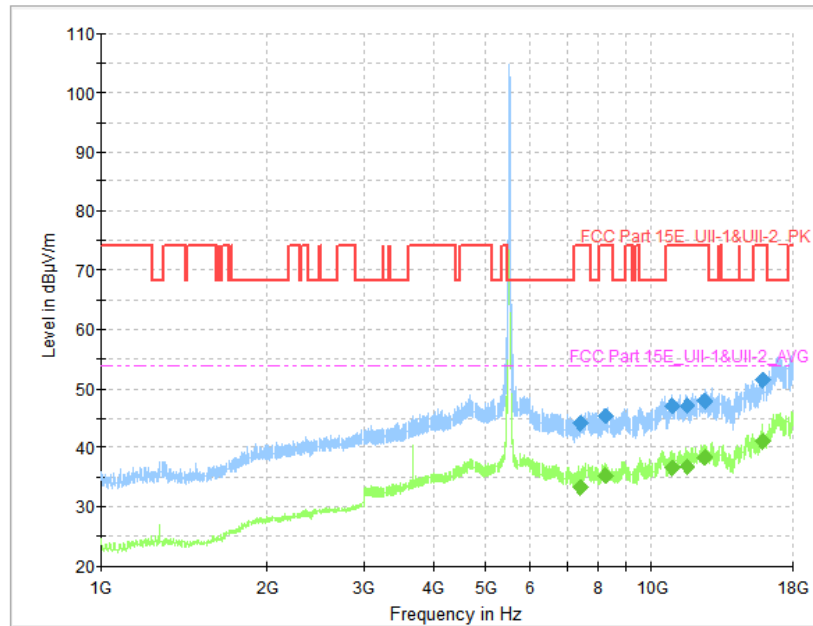


Fig. 96 Transmitter Spurious Emission (802.11ac-VHT40, CH102 5510MHz, 1 GHz-18 GHz)

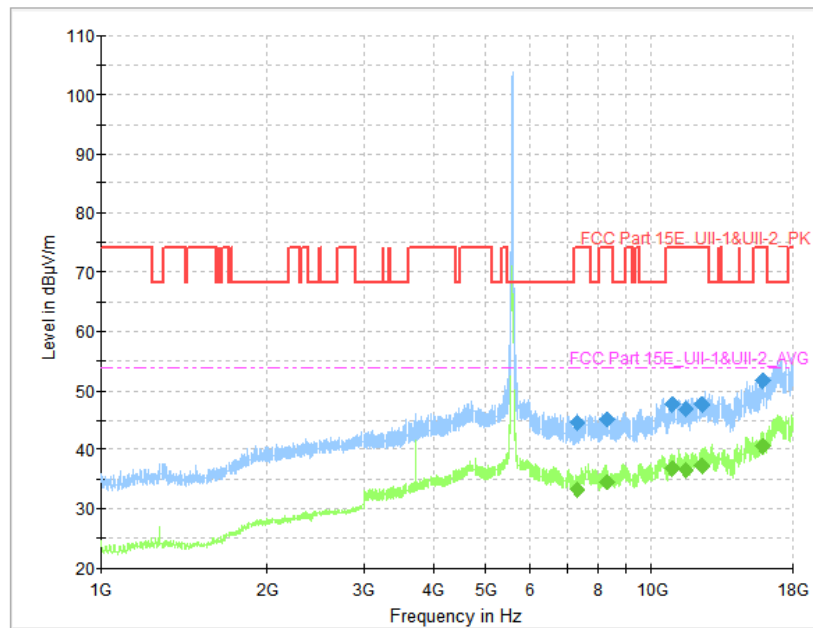
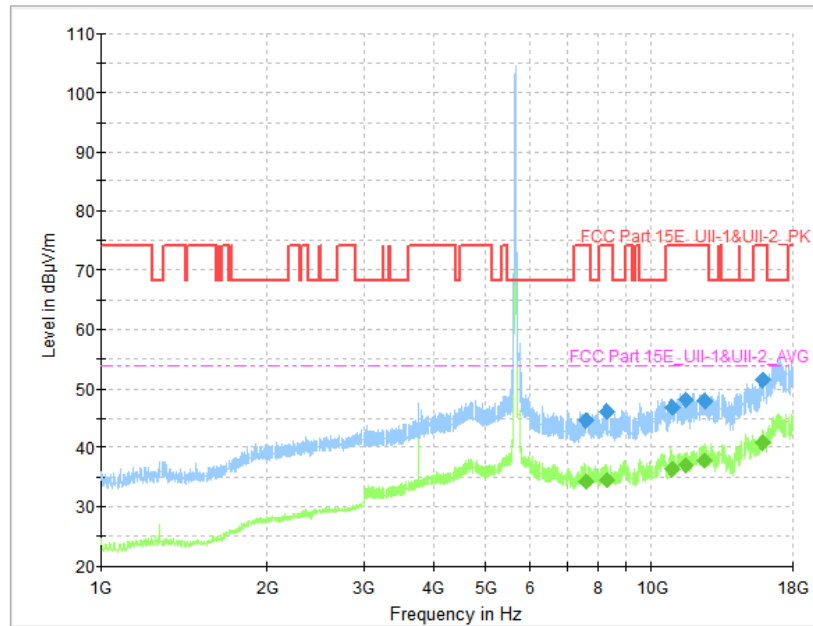
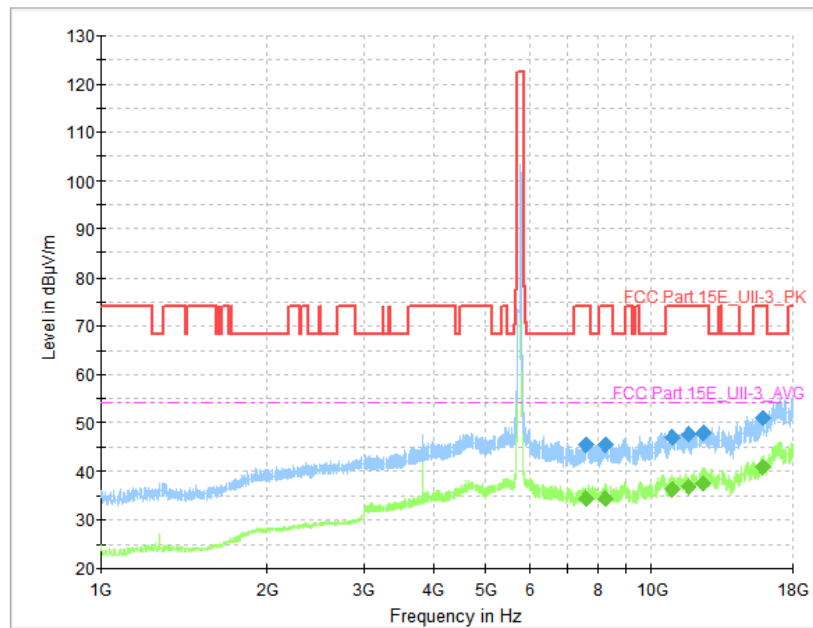


Fig. 97 Transmitter Spurious Emission (802.11ac-VHT40, CH118 5580MHz, 1 GHz-18 GHz)



**Fig. 98 Transmitter Spurious Emission (802.11ac-VHT40, CH134 5670MHz, 1 GHz-18 GHz)**



**Fig. 99 Transmitter Spurious Emission (802.11ac-VHT40, CH151 5755MHz, 1 GHz-18 GHz)**

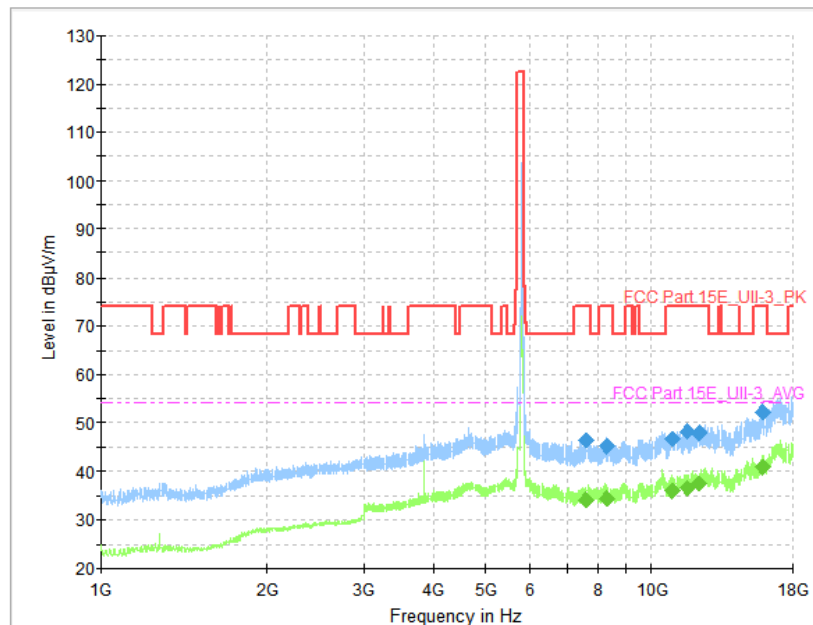


Fig. 100 Transmitter Spurious Emission (802.11ac-VHT40, CH159 5795MHz, 1 GHz-18 GHz)

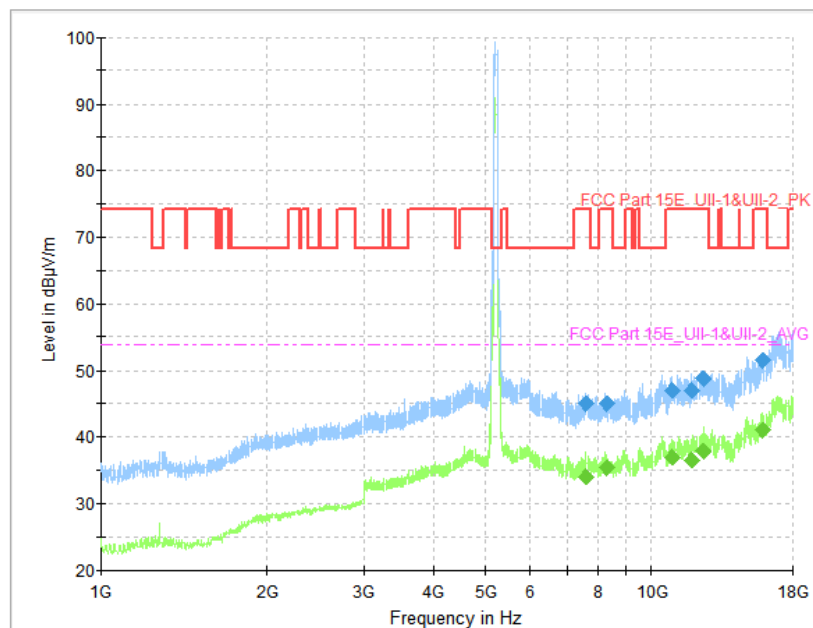


Fig. 101 Transmitter Spurious Emission (802.11ac-VHT80, CH42 5210MHz, 1 GHz-18 GHz)

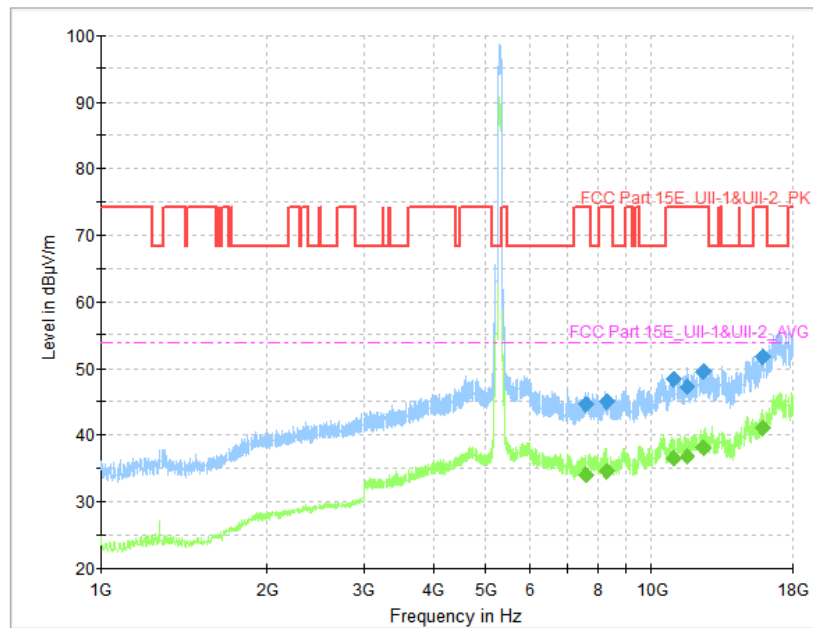


Fig. 102 Transmitter Spurious Emission (802.11ac-VHT80, CH58 5290MHz, 1 GHz-18 GHz)

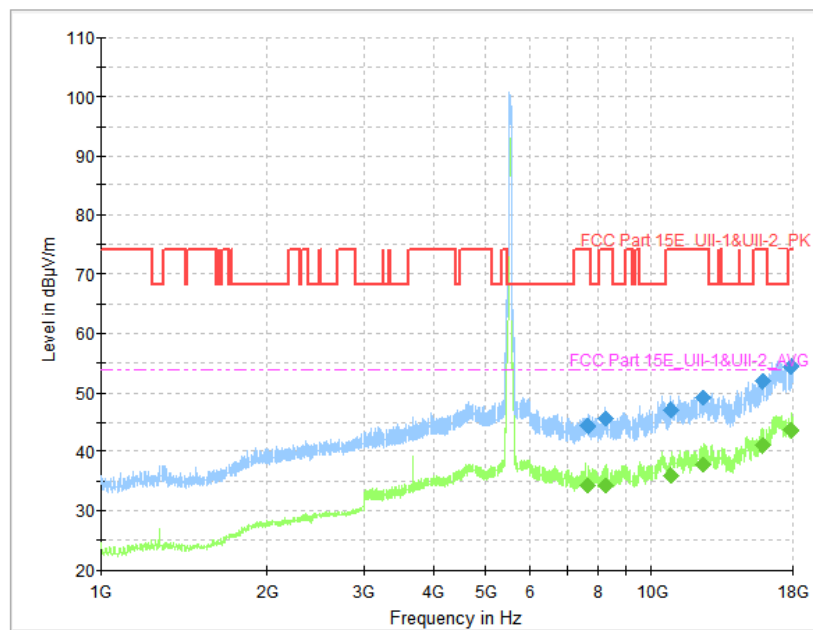


Fig. 103 Transmitter Spurious Emission (802.11ac-VHT80, CH106 5530MHz, 1 GHz-18 GHz)

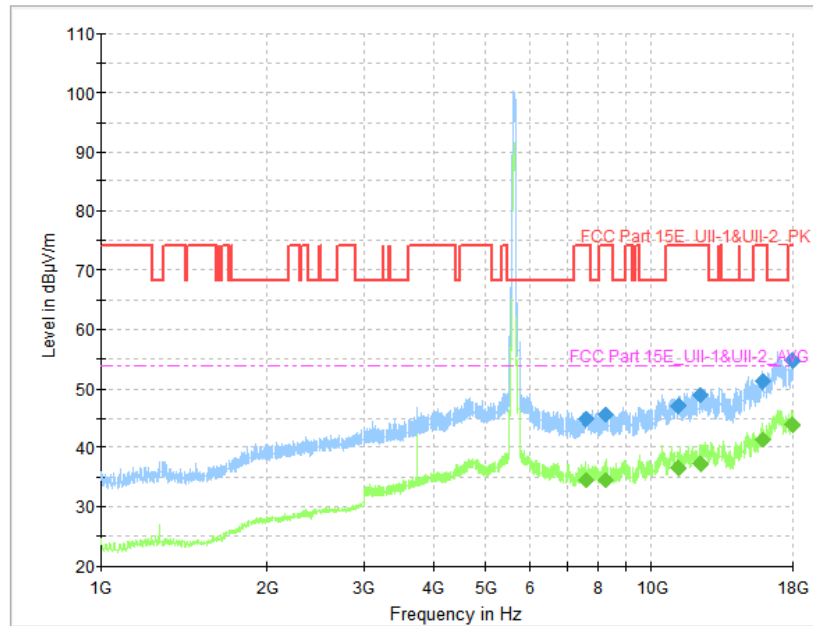


Fig. 104 Transmitter Spurious Emission (802.11ac-VHT80, CH122 5610MHz, 1 GHz-18 GHz)

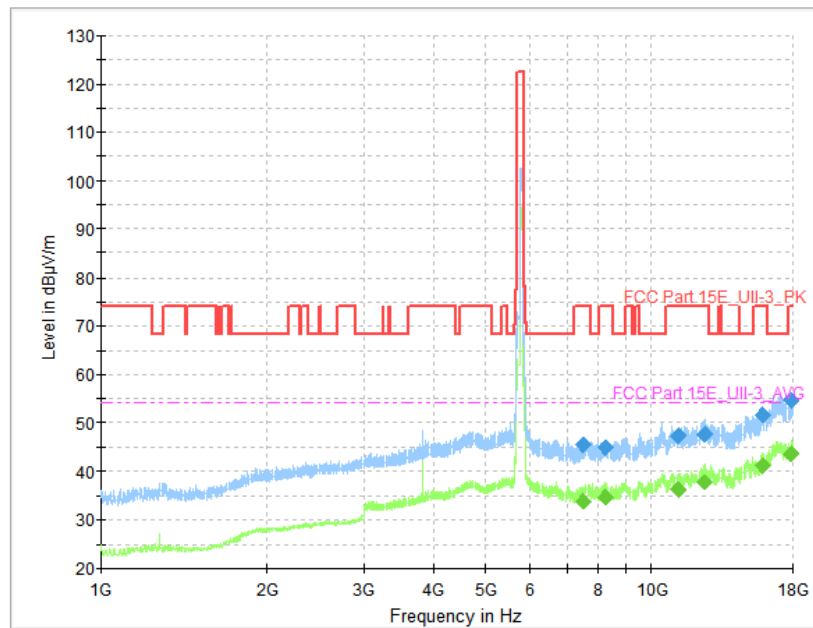


Fig. 105 Transmitter Spurious Emission (802.11ac-VHT80, CH155 5775MHz, 1 GHz-18 GHz)

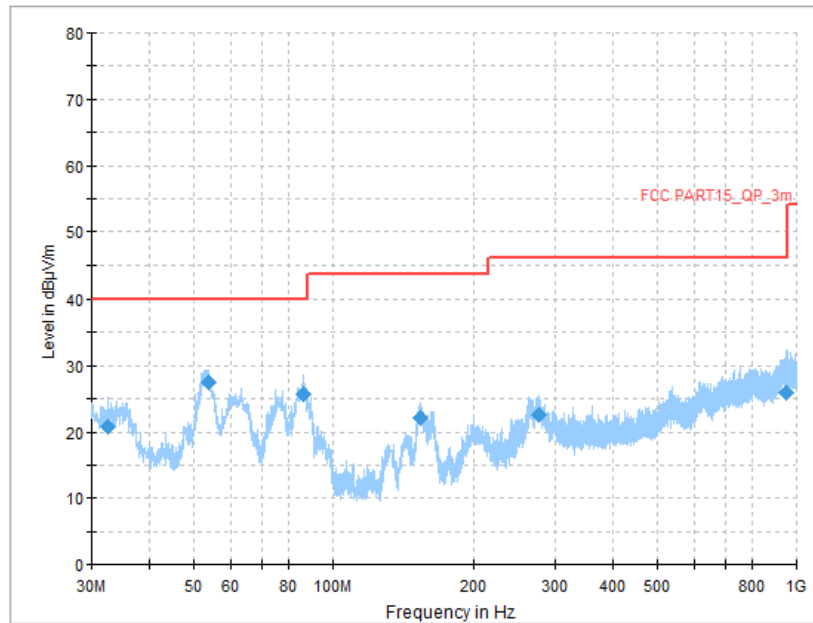


Fig. 106 Transmitter Spurious Emission (All channel, 30MHz~1GHz)

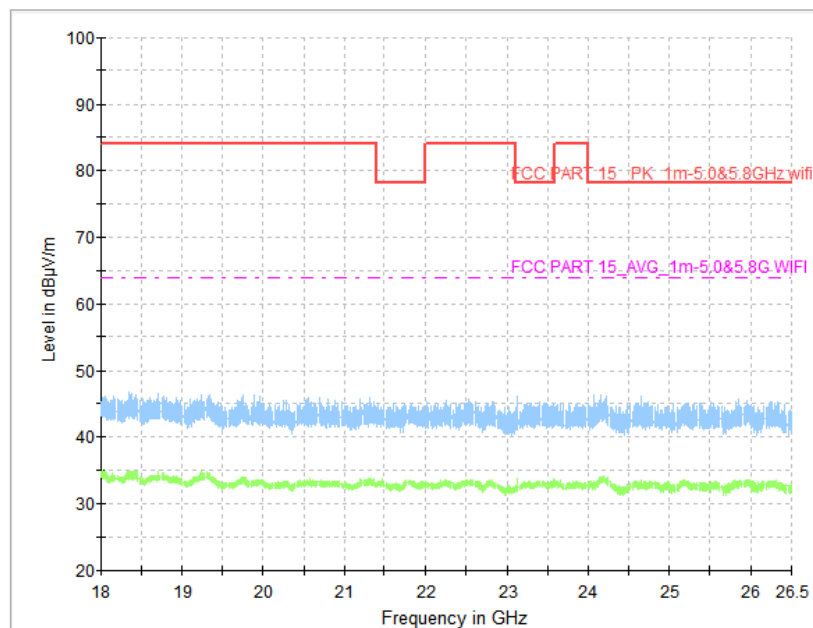
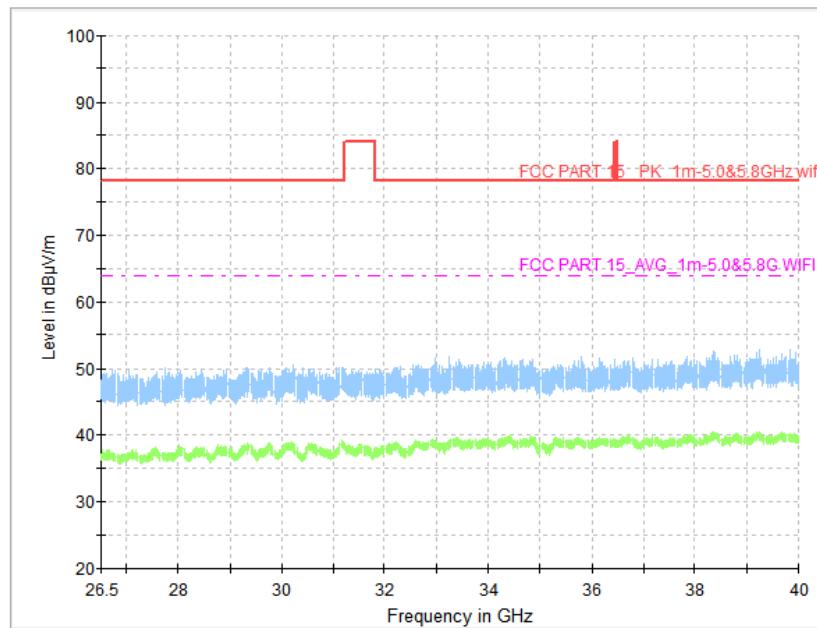


Fig. 107 Transmitter Spurious Emission (All channel, 18GHz~26.5GHz)



**Fig. 108 Transmitter Spurious Emission (All channel, 26.5GHz~40GHz)**

**A.10. Radiated Spurious Emissions < 30MHz**

Method of Measurement: See ANSI C63.10-clause 6.4.

Measurement Limit (15.209, 9 kHz-30MHz):

| Frequency<br>(MHz) | Field strength<br>( $\mu\text{V/m}$ ) | Measurement distance<br>(m) |
|--------------------|---------------------------------------|-----------------------------|
| 0.009 - 0.490      | 2400/F(kHz)                           | 300                         |
| 0.490 – 1.705      | 24000/F(kHz)                          | 30                          |
| 1.705 – 30.0       | 30                                    | 30                          |

The measurement is made according to KDB 789033.

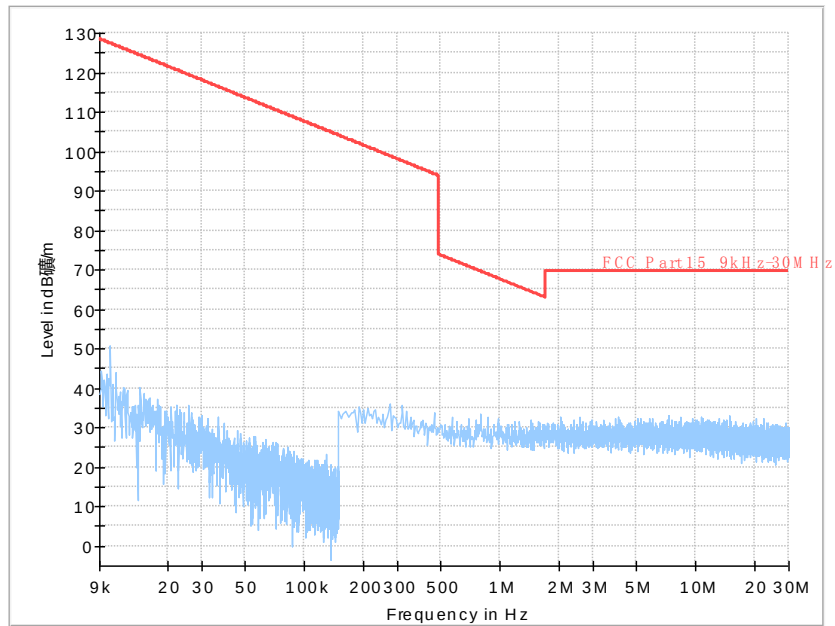
Note: The measurement distance during the test is 3m. The limit used in plots recalculated based on the extrapolation factor of 40 dB/decade.

Measurement Result (Worst case):

| Mode        | Frequency Range | Test Results | Conclusion |
|-------------|-----------------|--------------|------------|
| All Channel | 9 kHz ~30 MHz   | Fig.109      | <b>P</b>   |

See below for test graphs.

Conclusion: **PASS**



**Fig. 109 Radiated Spurious Emission (All Channel, 9 kHz ~30 MHz)**

### A.11. AC Power Line Conducted Emission

Method of Measurement: See ANSI C63.10-clause 6.2.

Test Condition:

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120         | 60             |

Measurement Result and limit:

RLAN- A2, A3, AE4

| Frequency range<br>(MHz) | Quasi-peak<br>Limit (dB $\mu$ V) | Average-peak<br>Limit (dB $\mu$ V) | Result (dB $\mu$ V) |         | Conclusion |
|--------------------------|----------------------------------|------------------------------------|---------------------|---------|------------|
|                          |                                  |                                    | Traffic             | Idle    |            |
| 0.15 to 0.5              | 66 to 56                         | 56 to 46                           | Fig.110             | Fig.111 | <b>P</b>   |
| 0.5 to 5                 | 56                               | 46                                 |                     |         |            |
| 5 to 30                  | 60                               | 50                                 |                     |         |            |

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

**Note:** The measurement results include the L1 and N measurements.

See below for test graphs.

Conclusion: **PASS**

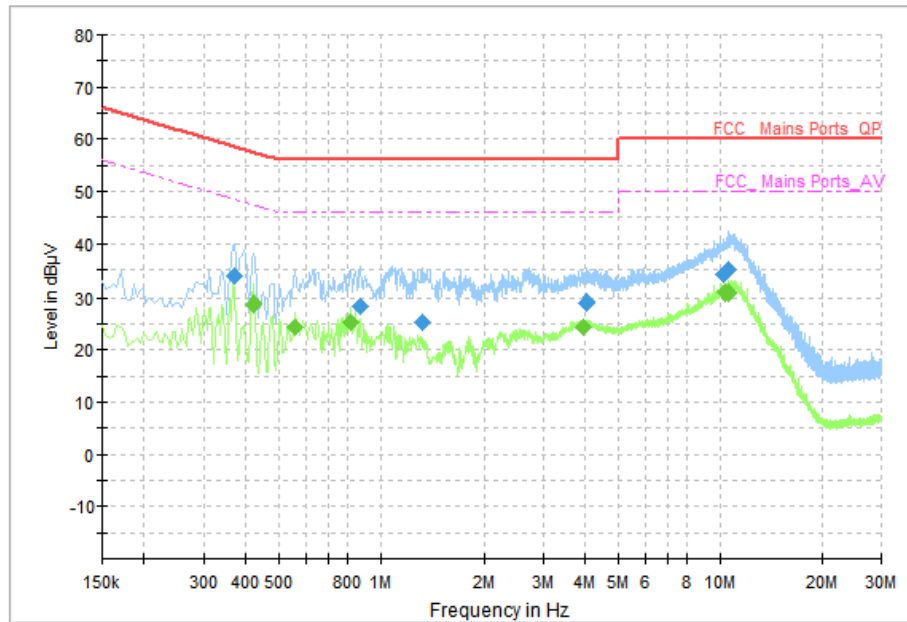


Fig. 110 AC Power line Conducted Emission (Traffic)

#### Measurement Result: Quasi Peak

| Frequency (MHz) | Quasi Peak (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|-------------------|--------------|-------------|------|--------|------------|
| 0.370000        | 33.68             | 58.50        | 24.82       | L1   | ON     | 10         |
| 0.870000        | 28.24             | 56.00        | 27.76       | L1   | ON     | 10         |
| 1.334000        | 25.14             | 56.00        | 30.86       | L1   | ON     | 10         |
| 4.006000        | 29.00             | 56.00        | 27.00       | L1   | ON     | 10         |
| 10.262000       | 34.16             | 60.00        | 25.84       | N    | ON     | 10         |
| 10.622000       | 35.00             | 60.00        | 25.00       | N    | ON     | 10         |

#### Measurement Result: Average

| Frequency (MHz) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.422000        | 18.72          | 47.41        | 28.69       | L1   | ON     | 10         |
| 0.558000        | 18.34          | 46.00        | 27.66       | L1   | ON     | 10         |
| 0.814000        | 10.21          | 46.00        | 35.79       | L1   | ON     | 10         |
| 3.954000        | 17.45          | 46.00        | 28.55       | N    | ON     | 10         |
| 10.322000       | 25.86          | 50.00        | 24.14       | N    | ON     | 10         |
| 10.622000       | 25.87          | 50.00        | 24.13       | N    | ON     | 10         |

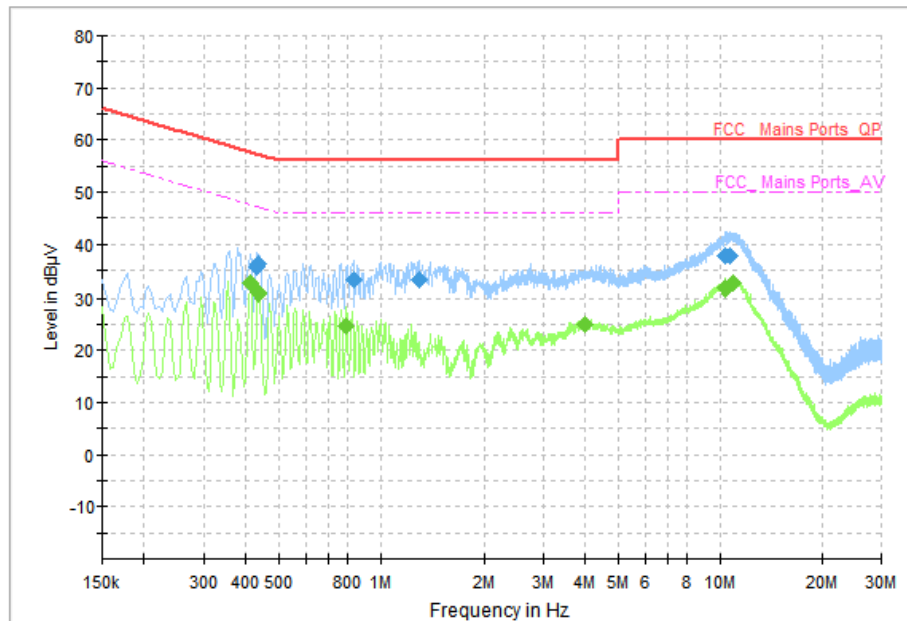


Fig. 111 AC Power line Conducted Emission (Idle)

#### Measurement Result: Quasi Peak

| Frequency (MHz) | Quasi Peak (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|-------------------|--------------|-------------|------|--------|------------|
| 0.430000        | 35.58             | 57.25        | 21.67       | L1   | ON     | 10         |
| 0.434000        | 36.22             | 57.18        | 20.95       | L1   | ON     | 10         |
| 0.830000        | 33.33             | 56.00        | 22.67       | L1   | ON     | 10         |
| 1.302000        | 33.28             | 56.00        | 22.72       | L1   | ON     | 10         |
| 10.358000       | 37.72             | 60.00        | 22.28       | N    | ON     | 10         |
| 10.646000       | 37.66             | 60.00        | 22.34       | L1   | ON     | 10         |

#### Measurement Result: Average

| Frequency (MHz) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.410000        | 32.72          | 47.65        | 14.93       | L1   | ON     | 10         |
| 0.434000        | 30.76          | 47.18        | 16.41       | L1   | ON     | 10         |
| 0.794000        | 24.56          | 46.00        | 21.44       | L1   | ON     | 10         |
| 3.986000        | 24.99          | 46.00        | 21.01       | N    | ON     | 10         |
| 10.358000       | 31.83          | 50.00        | 18.17       | N    | ON     | 10         |
| 10.886000       | 32.57          | 50.00        | 17.43       | N    | ON     | 10         |



#### **A.12. Power control**

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500mW).

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