

Fig. 37 99% Occupied Bandwidth (802.11n-HT40, 5230MHz)

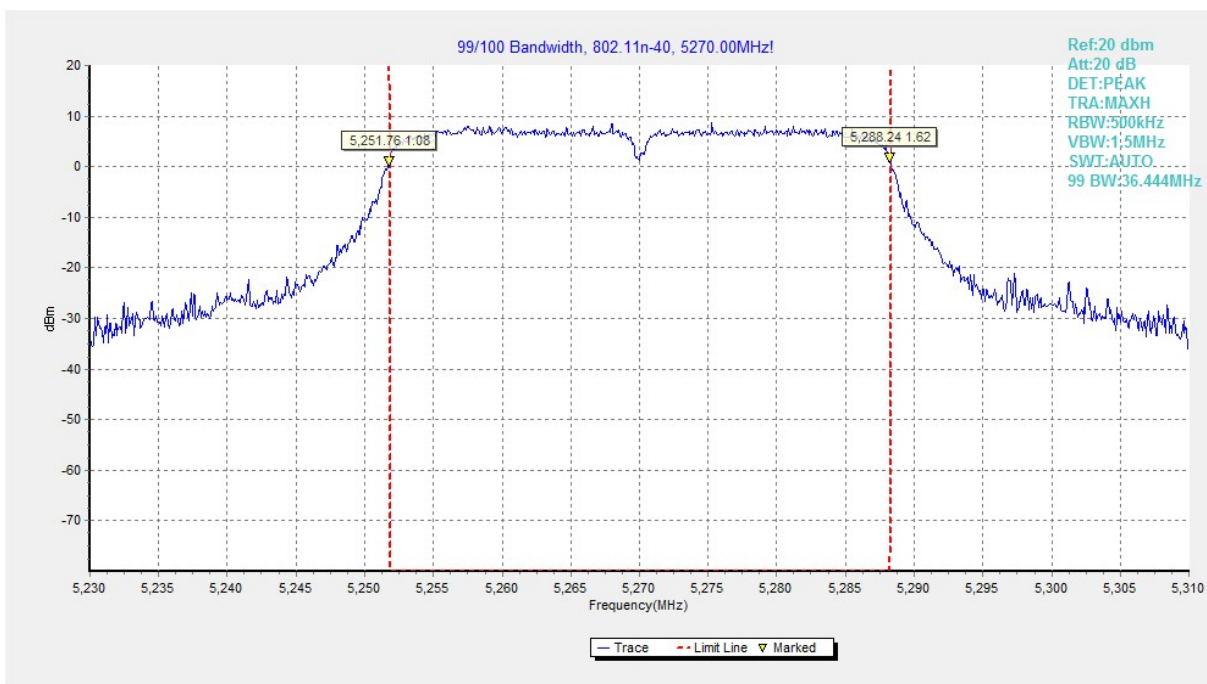


Fig. 38 99% Occupied Bandwidth (802.11n-HT40, 5270MHz)

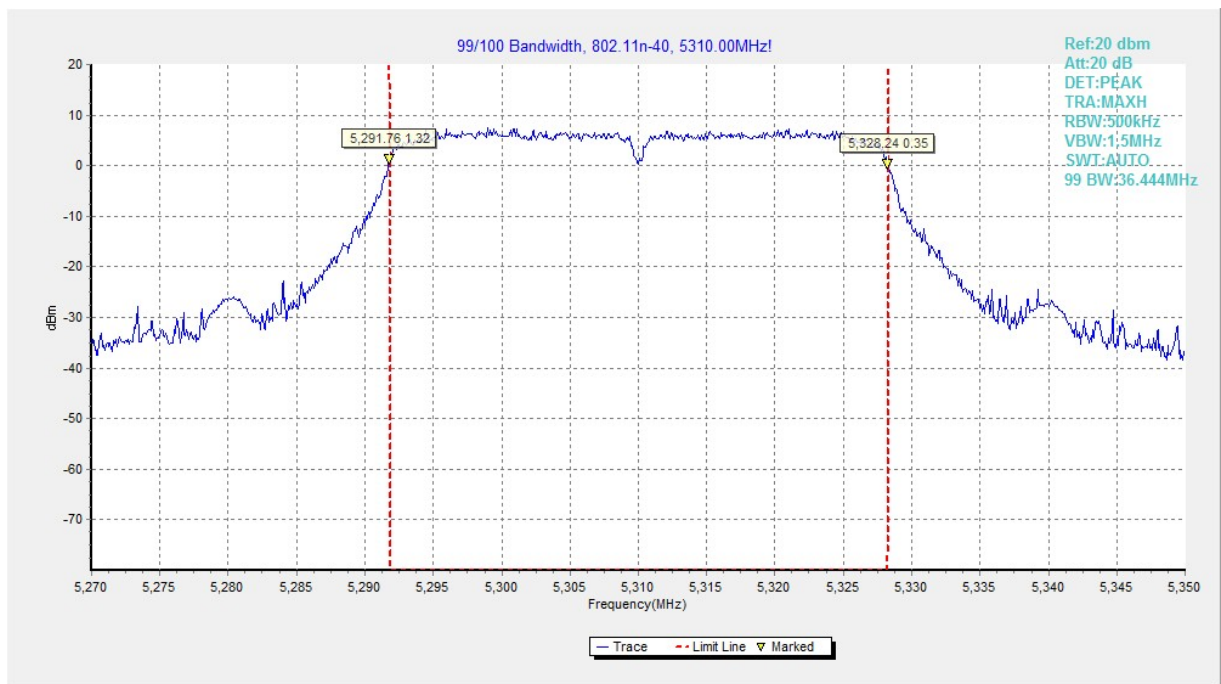


Fig. 39 99% Occupied Bandwidth (802.11n-HT40, 5310MHz)

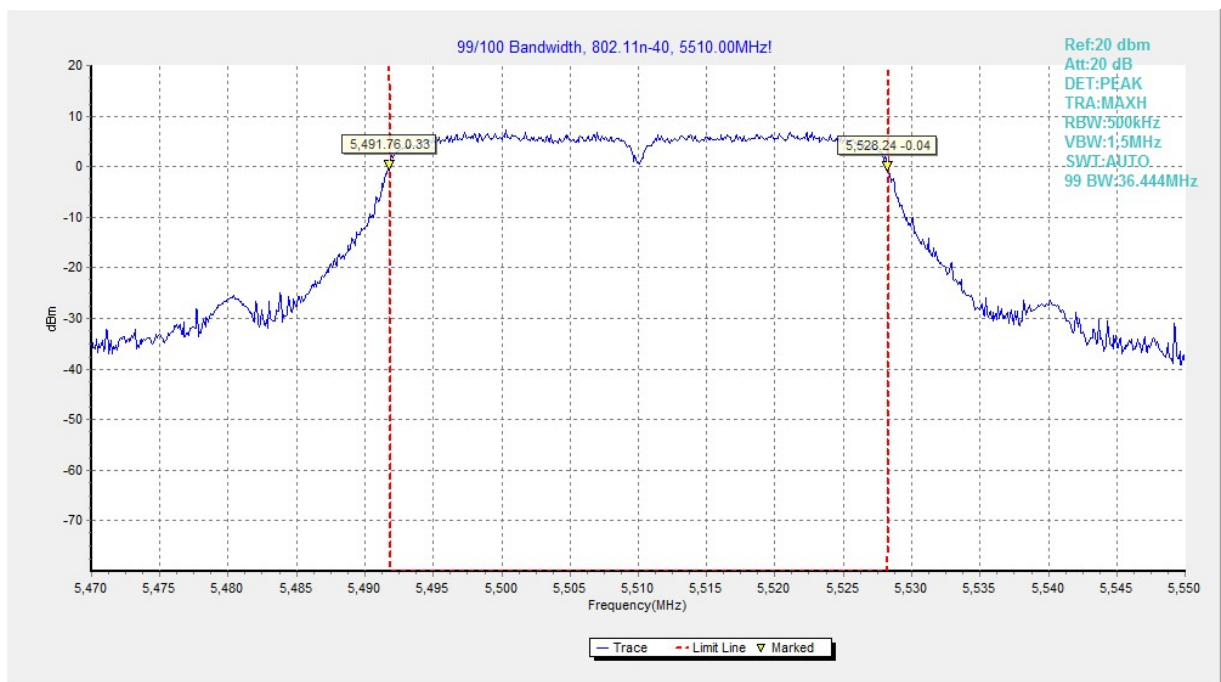


Fig. 40 99% Occupied Bandwidth (802.11n-HT40, 5510MHz)

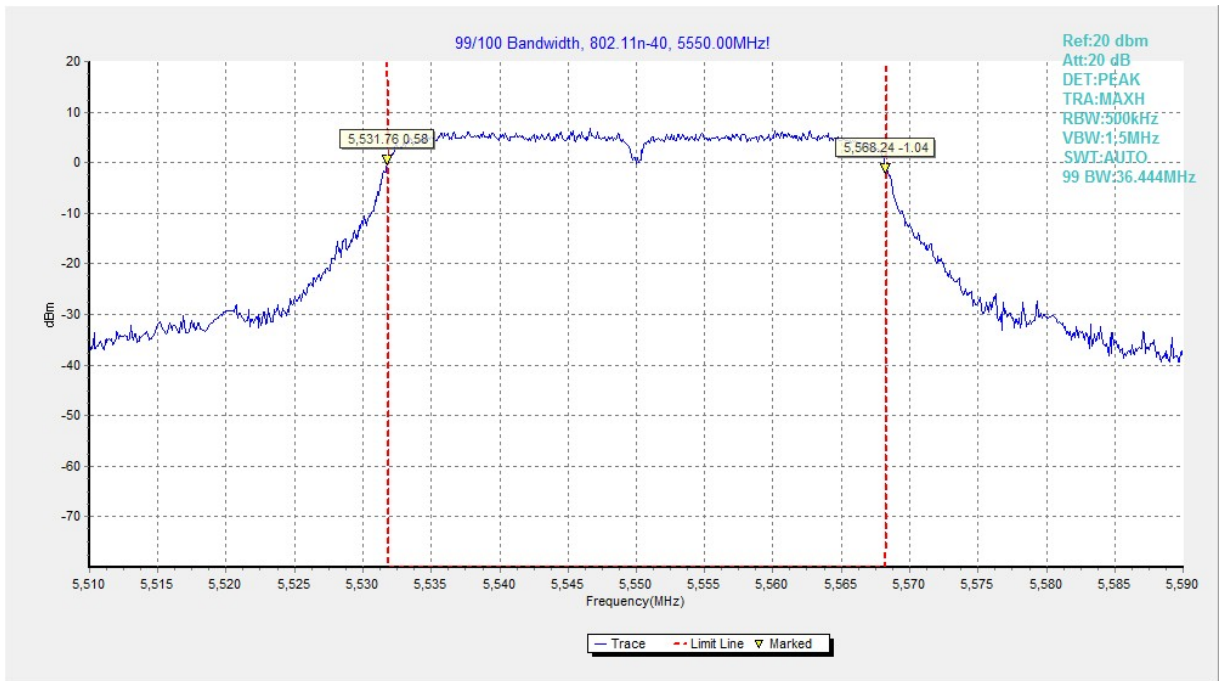


Fig. 41 99% Occupied Bandwidth (802.11n-HT40, 5590MHz)

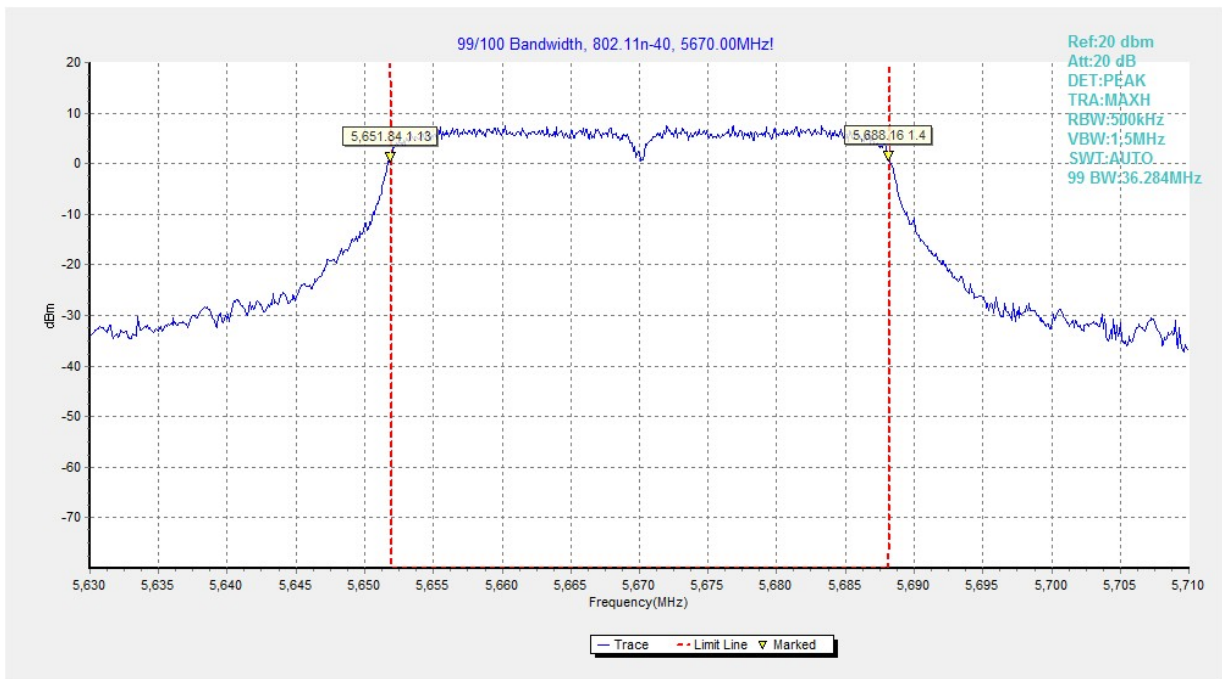


Fig. 42 99% Occupied Bandwidth (802.11n-HT40, 5670MHz)

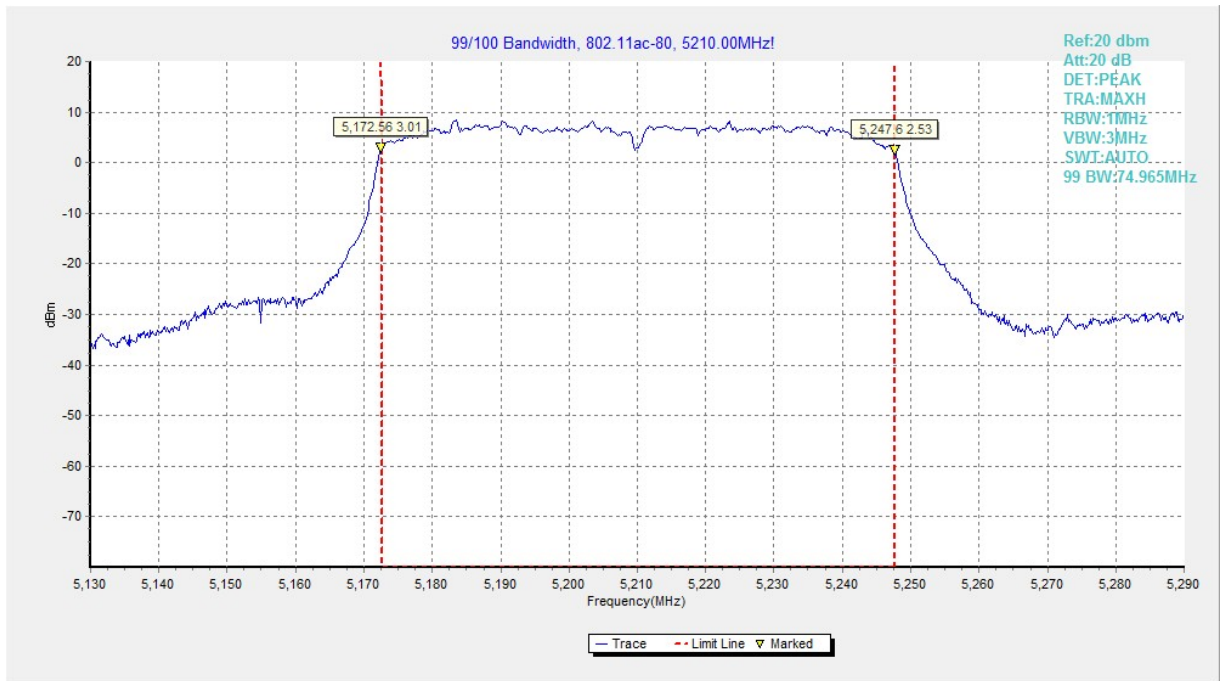


Fig. 43 99% Occupied Bandwidth (802.11ac-VHT80, 5210MHz)

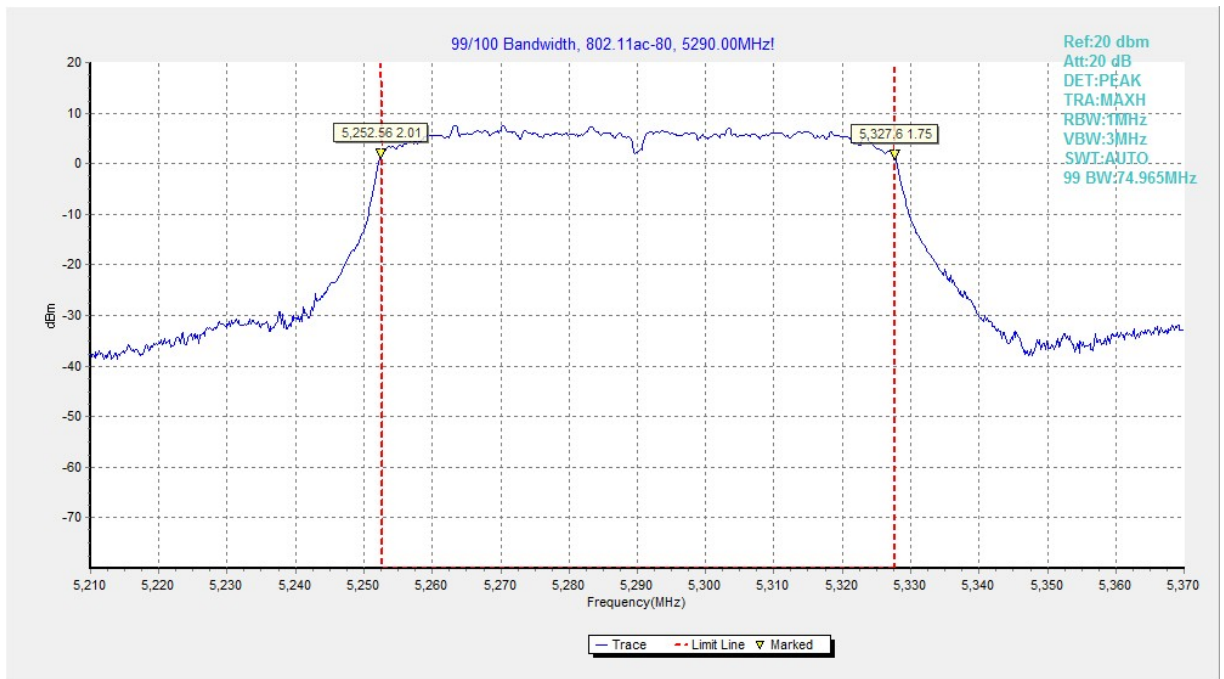


Fig. 44 99% Occupied Bandwidth (802.11ac-VHT80, 5290MHz)

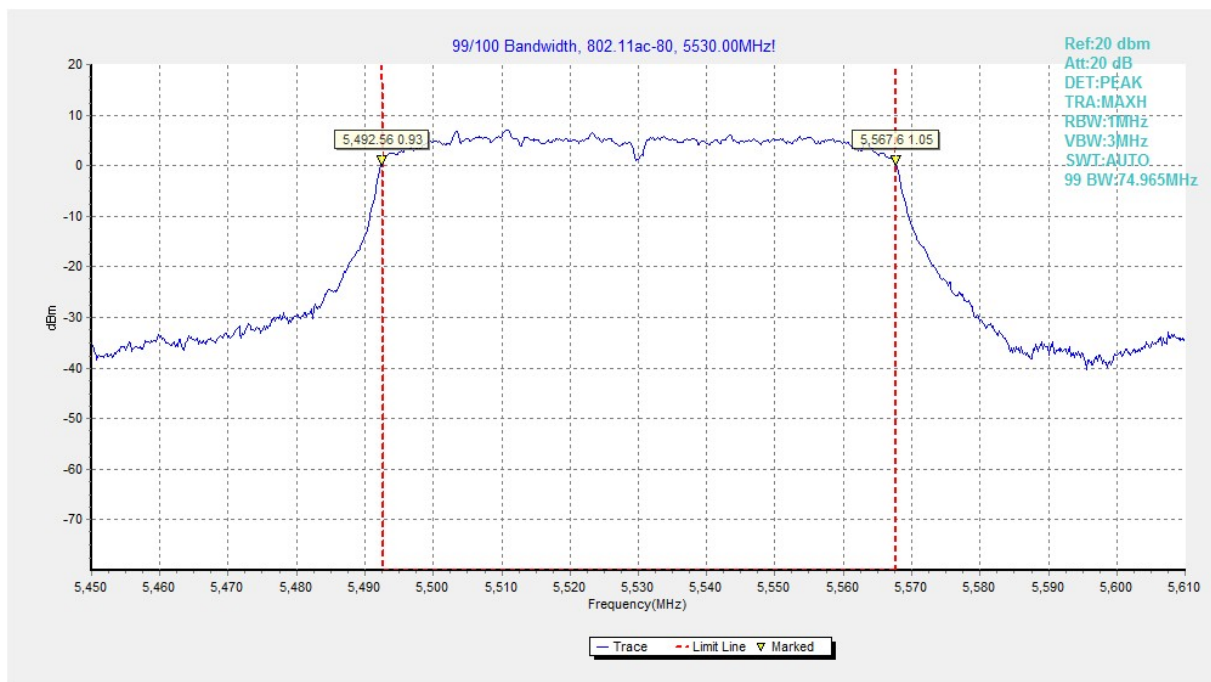


Fig. 45 99% Occupied Bandwidth (802.11ac-VHT80, 5530MHz)

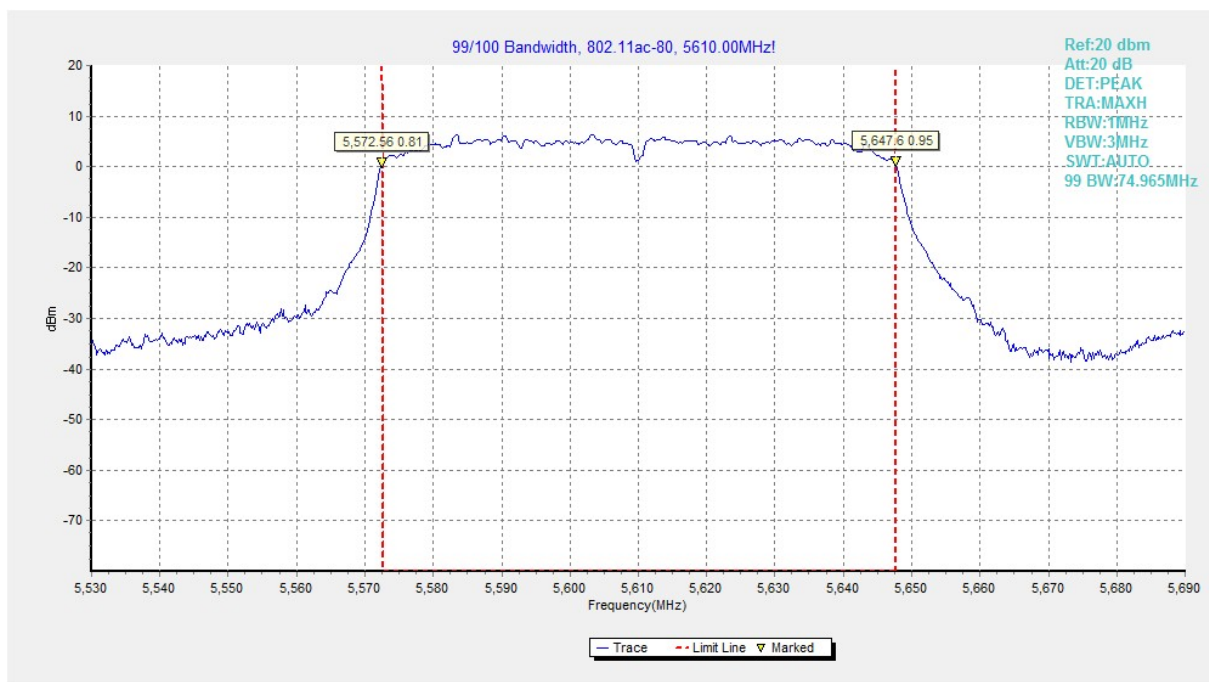


Fig. 46 99% Occupied Bandwidth (802.11ac-VHT80, 5610MHz)

A.7. Band Edges Compliance

Measurement Limit:

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

The measurement is made according to KDB 789033

Measurement Result:

| Mode | Channel | Test Results | Conclusion |
|-------------------|-----------------|--------------|------------|
| 802.11a | 5180 MHz(CH36) | Fig.47 | P |
| | 5320 MHz(CH64) | Fig.48 | P |
| | 5500 MHz(CH100) | Fig.49 | P |
| | 5700 MHz(CH140) | Fig.50 | P |
| | 5745 MHz(CH149) | Fig.51 | P |
| | 5825 MHz(CH165) | Fig.52 | P |
| 802.11n HT40 | 5190 MHz(CH38) | Fig.53 | P |
| | 5310 MHz(CH62) | Fig.54 | P |
| | 5510 MHz(CH102) | Fig.55 | P |
| | 5670 MHz(CH134) | Fig.56 | P |
| | 5755 MHz(CH151) | Fig.57 | P |
| | 5795 MHz(CH159) | Fig.58 | P |
| 802.11ac VHT80 | 5210 MHz(CH42) | Fig.59 | P |
| | 5290 MHz(CH58) | Fig.60 | P |
| | 5530 MHz(CH106) | Fig.61 | P |
| | 5775 MHz(CH155) | Fig.62 | P |

Conclusion: PASS

Test graphs as below:

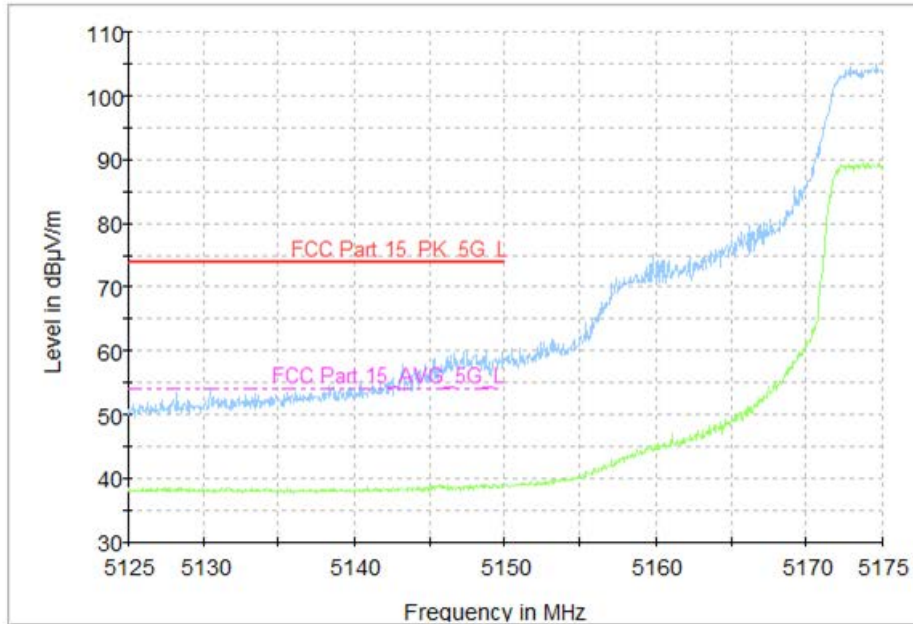


Fig. 47 Band Edges (802.11a, CH36 5180MHz)

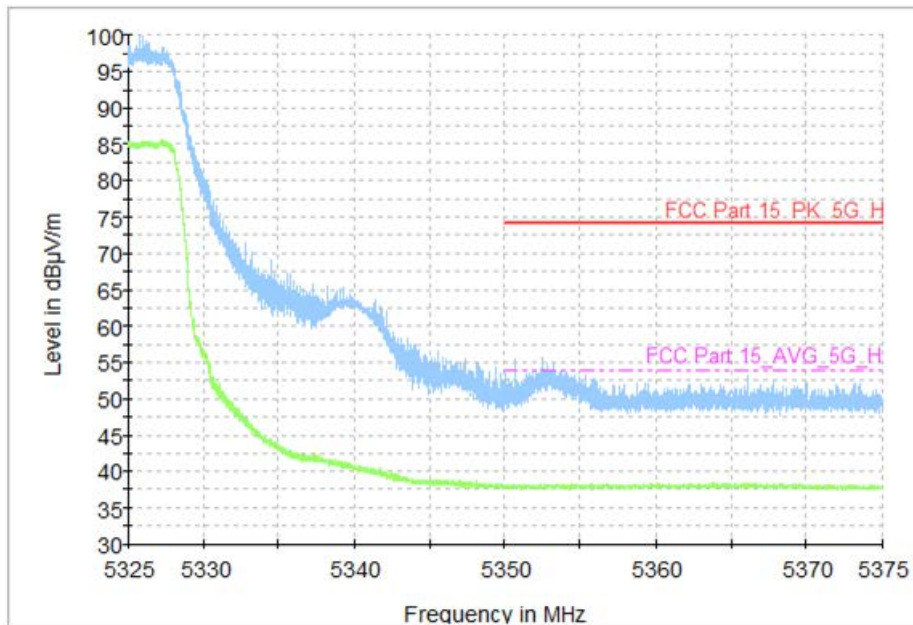


Fig. 48 Band Edges (802.11a, CH64 5320MHz)

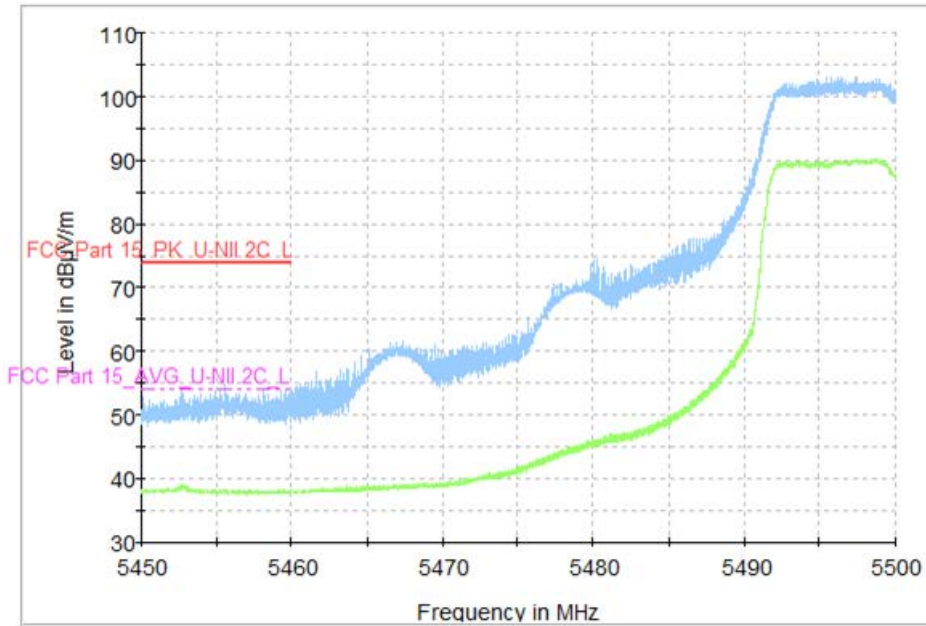


Fig. 49 Band Edges (802.11a, CH100 5500MHz)

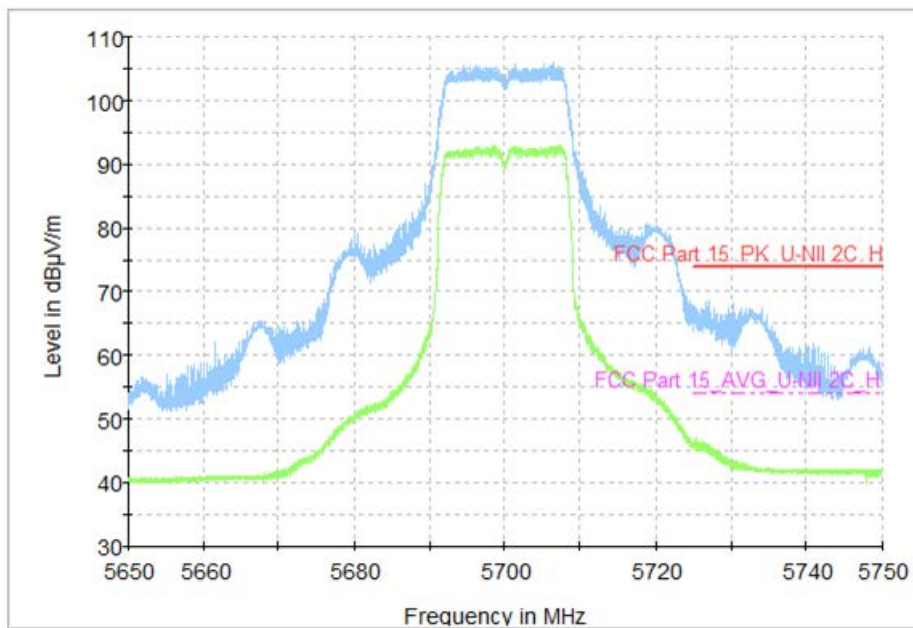


Fig. 50 Band Edges (802.11a, CH140 5700MHz)

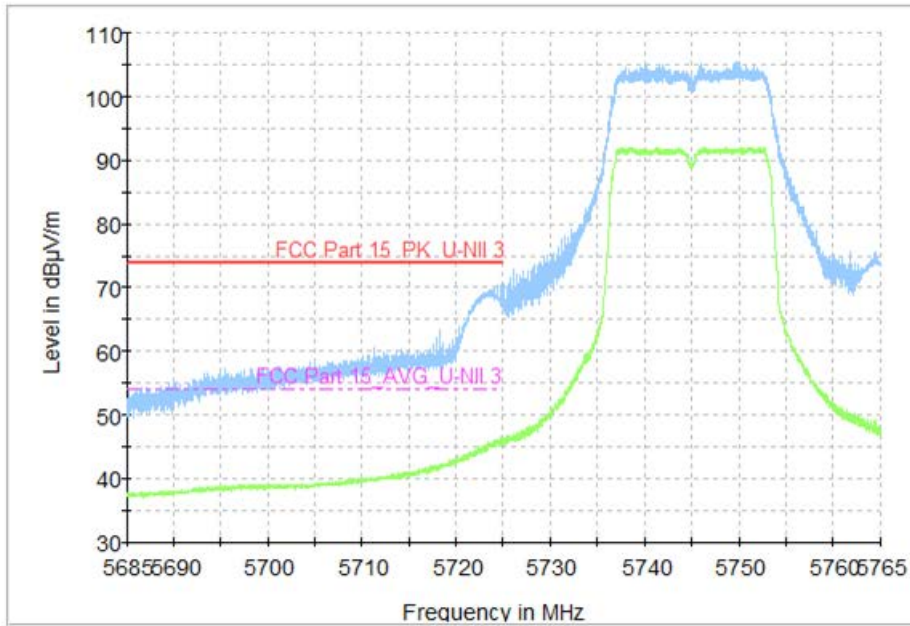


Fig. 51 Band Edges (802.11a, CH149 5745MHz)

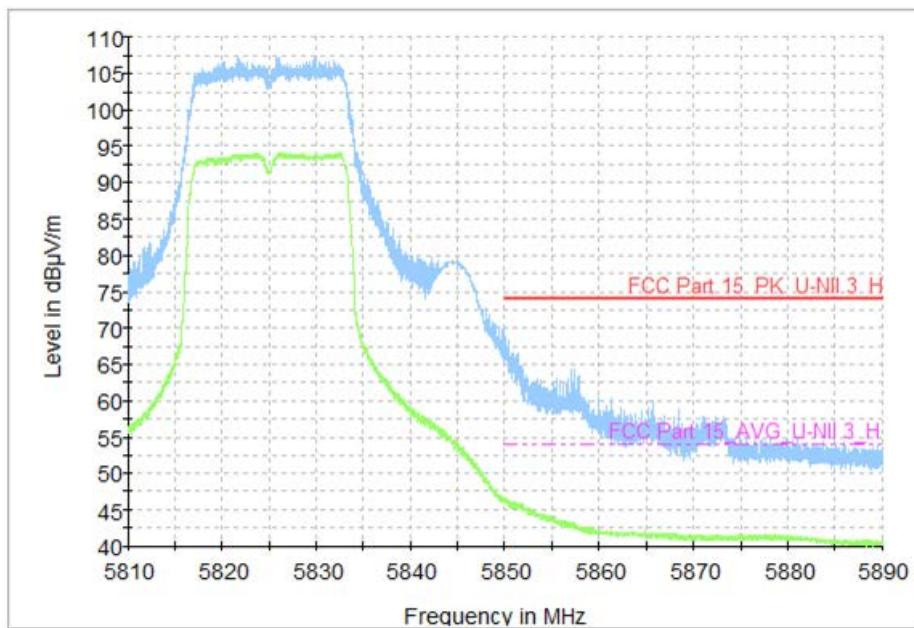


Fig. 52 Band Edges (802.11a, CH165 5825MHz)

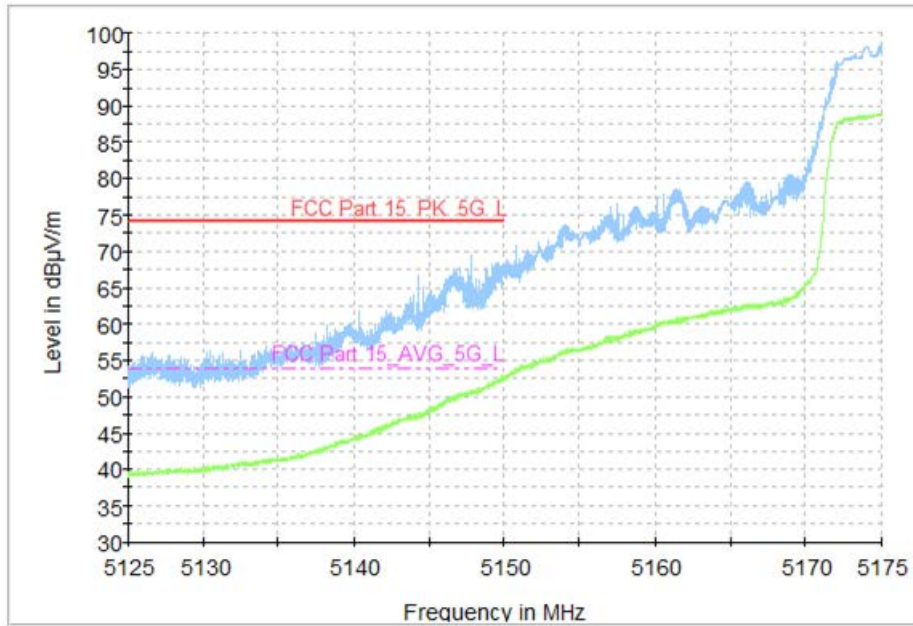


Fig. 53 Band Edges (802.11n-HT40, CH38 5190MHz)

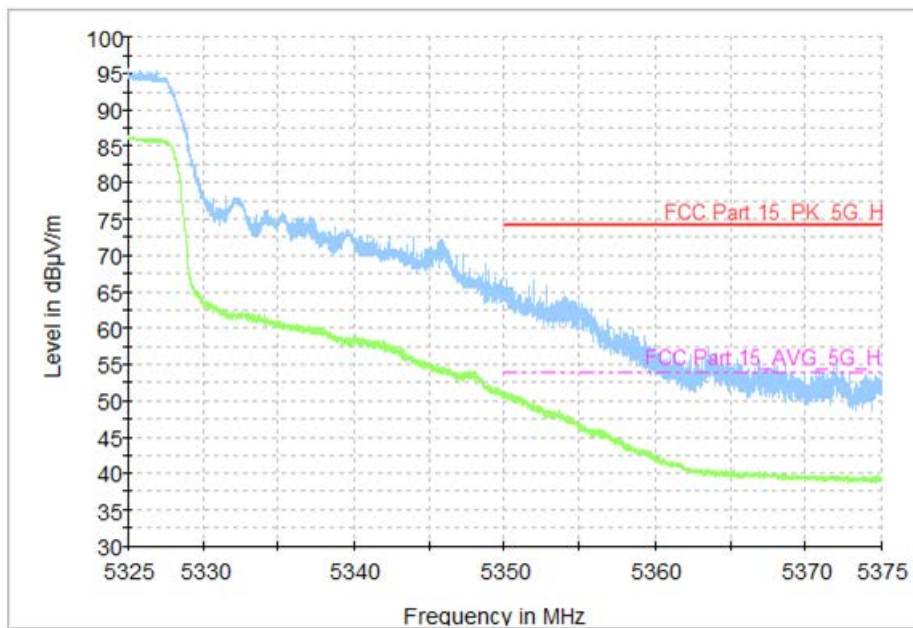


Fig. 54 Band Edges (802.11n-HT40, CH62 5310MHz)

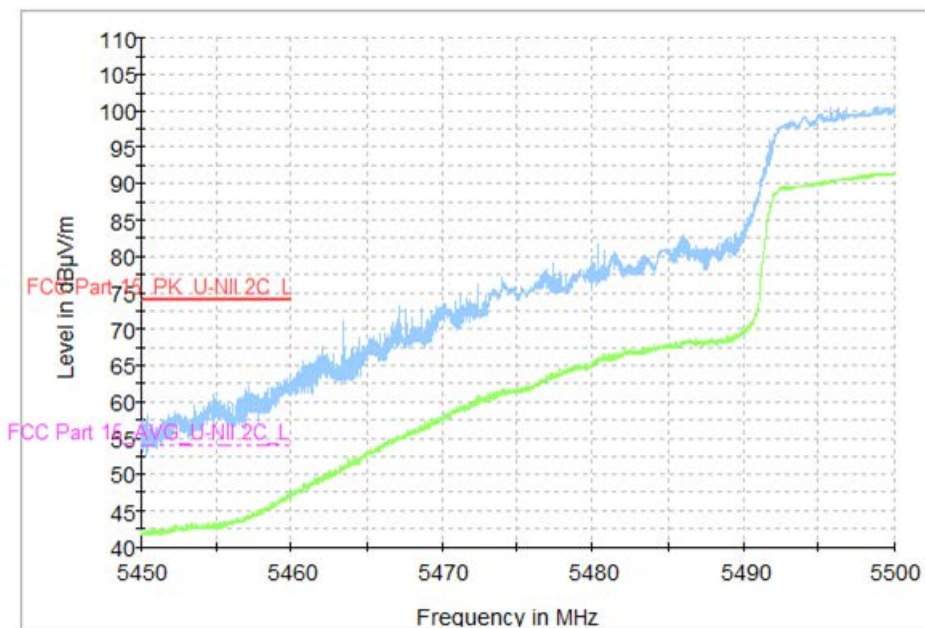


Fig. 55 Band Edges (802.11n-HT40, CH102 5510MHz)

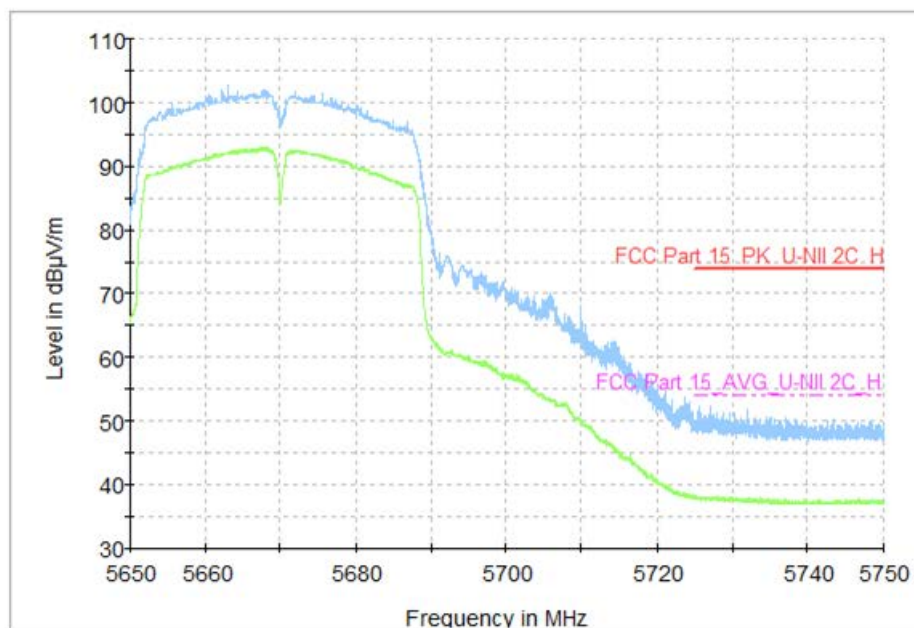


Fig. 56 Band Edges (802.11n-HT40, CH134 5670MHz)

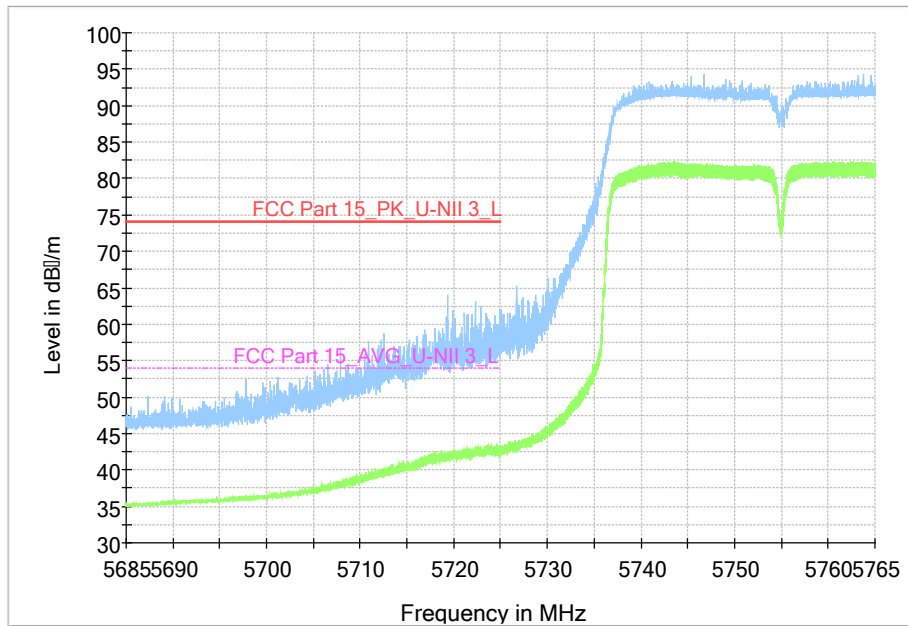


Fig. 57 Band Edges (802.11n-HT40, CH151 5755MHz)

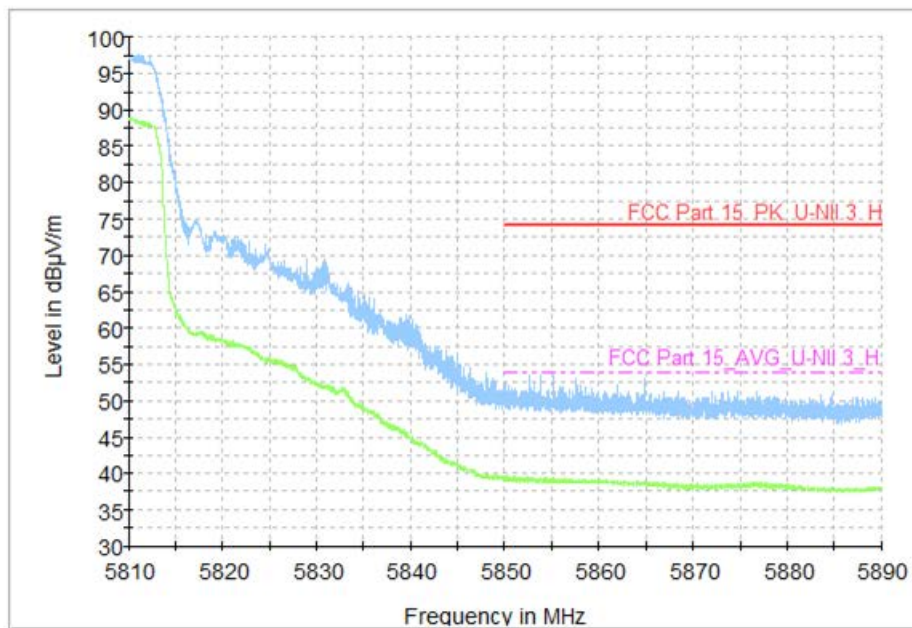


Fig. 58 Band Edges (802.11n-HT40, CH159 5795MHz)

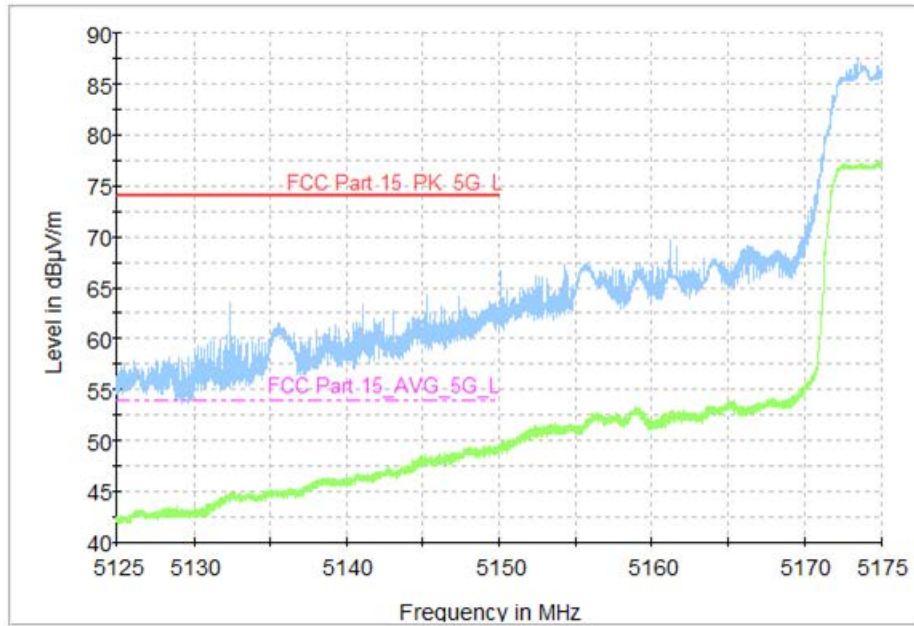


Fig. 59 Band Edges (802.11ac-VHT80, CH42 5210MHz)

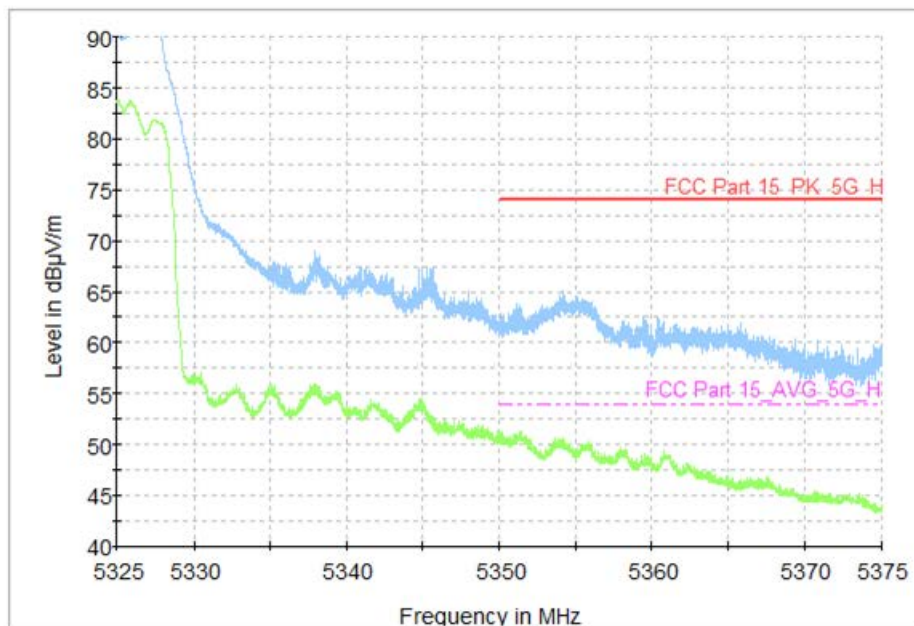


Fig. 60 Band Edges (802.11ac-VHT80, CH58 5290MHz)

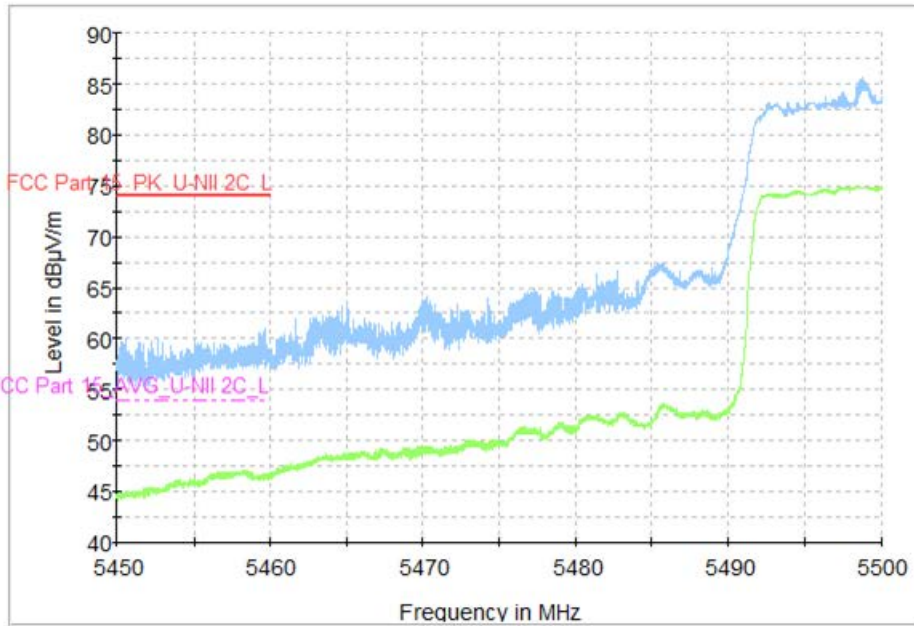


Fig. 61 Band Edges (802.11ac-VHT80, CH106 5530MHz)

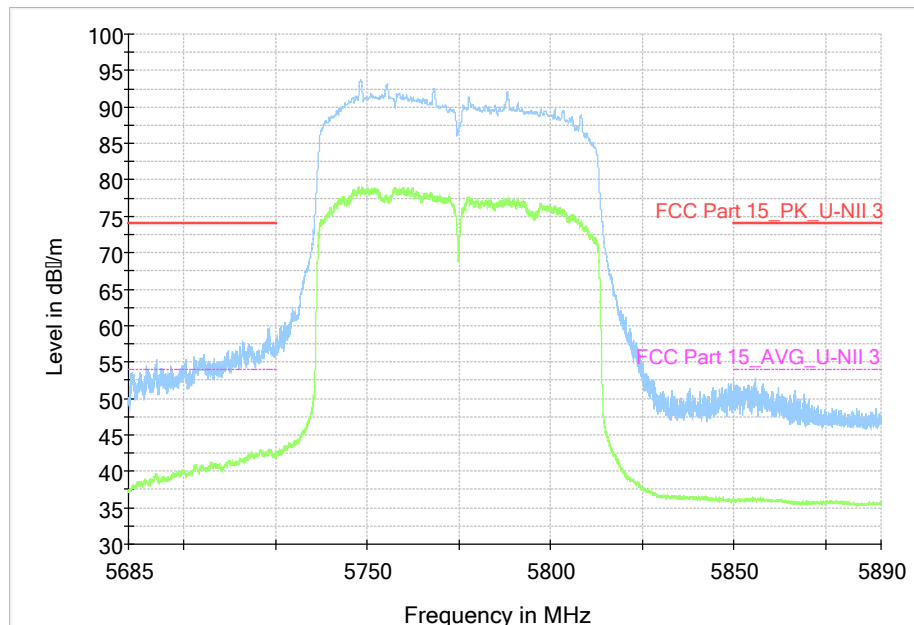


Fig. 62 Band Edges (802.11ac-VHT80, 5775MHz)

A.8. Transmitter Spurious Emission

Measurement Limit:

| Standard | Limit (dBm/MHz) |
|------------------------|-----------------|
| FCC 47 CFR Part 15.407 | < -27 |

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:

SISO (Antenna 1):

| Mode | Channel | Frequency Range | Test Results | Conclusion |
|-----------------|----------------|-----------------|--------------|------------|
| 802.11a | 5180MHz(Ch36) | 1 GHz ~18 GHz | Fig.63 | P |
| | 5200MHz(Ch40) | 1 GHz ~18 GHz | Fig.64 | P |
| | 5240MHz(Ch48) | 1 GHz ~18 GHz | Fig.65 | P |
| | 5260MHz(Ch52) | 1 GHz ~18 GHz | Fig.66 | P |
| | 5280MHz(Ch56) | 1 GHz ~18 GHz | Fig.67 | P |
| | 5320MHz(Ch64) | 1 GHz ~18 GHz | Fig.68 | P |
| | 5500MHz(Ch100) | 1 GHz ~18 GHz | Fig.69 | P |
| | 5580MHz(Ch116) | 1 GHz ~18 GHz | Fig.70 | P |
| | 5700MHz(Ch140) | 1 GHz ~18 GHz | Fig.71 | P |
| | 5745MHz(Ch149) | 1 GHz ~18 GHz | Fig.72 | P |
| | 5785MHz(Ch157) | 1 GHz ~18 GHz | Fig.73 | P |
| 5825MHz(Ch165) | 1 GHz ~18 GHz | Fig.74 | P | |
| 802.11n HT40 | 5190MHz(Ch38) | 1 GHz ~18 GHz | Fig.75 | P |
| | 5230MHz(Ch46) | 1 GHz ~18 GHz | Fig.76 | P |
| | 5270MHz(Ch54) | 1 GHz ~18 GHz | Fig.77 | P |
| | 5310MHz(Ch62) | 1 GHz ~18 GHz | Fig.78 | P |
| | 5510MHz(Ch102) | 1 GHz ~18 GHz | Fig.79 | P |
| | 5550MHz(Ch110) | 1 GHz ~18 GHz | Fig.80 | P |
| | 5670MHz(Ch134) | 1 GHz ~18 GHz | Fig.81 | P |
| | 5755MHz(Ch151) | 1 GHz ~18 GHz | Fig.82 | P |
| 5795MHz(Ch159) | 1 GHz ~18 GHz | Fig.83 | P | |

| | | | | |
|-------------------|----------------|------------------|--------|----------|
| 802.11ac VHT80 | 5210MHz(Ch42) | 1 GHz ~18 GHz | Fig.84 | P |
| | 5290MHz(Ch58) | 1 GHz ~18 GHz | Fig.85 | P |
| | 5530MHz(Ch106) | 1 GHz ~18 GHz | Fig.86 | P |
| | 5610MHz(Ch122) | 1 GHz ~18 GHz | Fig.87 | P |
| | 5775MHz(Ch155) | 1 GHz ~18 GHz | Fig.88 | P |
| All channels | | 30 MHz ~1 GHz | Fig.89 | P |
| | | 18 GHz ~26.5 GHz | Fig.90 | P |
| | | 26.5GHz~40GHz | Fig.91 | P |

MIMO:

| Mode | Channel | Frequency Range | Test Results | Conclusion |
|-------------------|----------------|------------------|--------------|------------|
| 802.11a | 5180MHz(Ch36) | 1 GHz ~18 GHz | Fig.92 | P |
| | 5200MHz(Ch40) | 1 GHz ~18 GHz | Fig.93 | P |
| | 5240MHz(Ch48) | 1 GHz ~18 GHz | Fig.94 | P |
| | 5260MHz(Ch52) | 1 GHz ~18 GHz | Fig.95 | P |
| | 5280MHz(Ch56) | 1 GHz ~18 GHz | Fig.96 | P |
| | 5320MHz(Ch64) | 1 GHz ~18 GHz | Fig.97 | P |
| | 5500MHz(Ch100) | 1 GHz ~18 GHz | Fig.98 | P |
| | 5580MHz(Ch116) | 1 GHz ~18 GHz | Fig.99 | P |
| | 5700MHz(Ch140) | 1 GHz ~18 GHz | Fig.100 | P |
| | 5745MHz(Ch149) | 1 GHz ~18 GHz | Fig.101 | P |
| | 5785MHz(Ch157) | 1 GHz ~18 GHz | Fig.102 | P |
| | 5825MHz(Ch165) | 1 GHz ~18 GHz | Fig.103 | P |
| 802.11n HT40 | 5190MHz(Ch38) | 1 GHz ~18 GHz | Fig.104 | P |
| | 5230MHz(Ch46) | 1 GHz ~18 GHz | Fig.105 | P |
| | 5270MHz(Ch54) | 1 GHz ~18 GHz | Fig.106 | P |
| | 5310MHz(Ch62) | 1 GHz ~18 GHz | Fig.107 | P |
| | 5510MHz(Ch102) | 1 GHz ~18 GHz | Fig.108 | P |
| | 5550MHz(Ch110) | 1 GHz ~18 GHz | Fig.109 | P |
| | 5670MHz(Ch134) | 1 GHz ~18 GHz | Fig.110 | P |
| | 5755MHz(Ch151) | 1 GHz ~18 GHz | Fig.111 | P |
| | 5795MHz(Ch159) | 1 GHz ~18 GHz | Fig.112 | P |
| 802.11ac VHT80 | 5210MHz(Ch42) | 1 GHz ~18 GHz | Fig.113 | P |
| | 5290MHz(Ch58) | 1 GHz ~18 GHz | Fig.114 | P |
| | 5530MHz(Ch106) | 1 GHz ~18 GHz | Fig.115 | P |
| | 5610MHz(Ch122) | 1 GHz ~18 GHz | Fig.116 | P |
| | 5775MHz(Ch155) | 1 GHz ~18 GHz | Fig.117 | P |
| All channels | | 30 MHz ~1 GHz | Fig.118 | P |
| | | 18 GHz ~26.5 GHz | Fig.119 | P |
| | | 26.5GHz~40GHz | Fig.120 | P |

Conclusion: PASS

Test graphs as below:

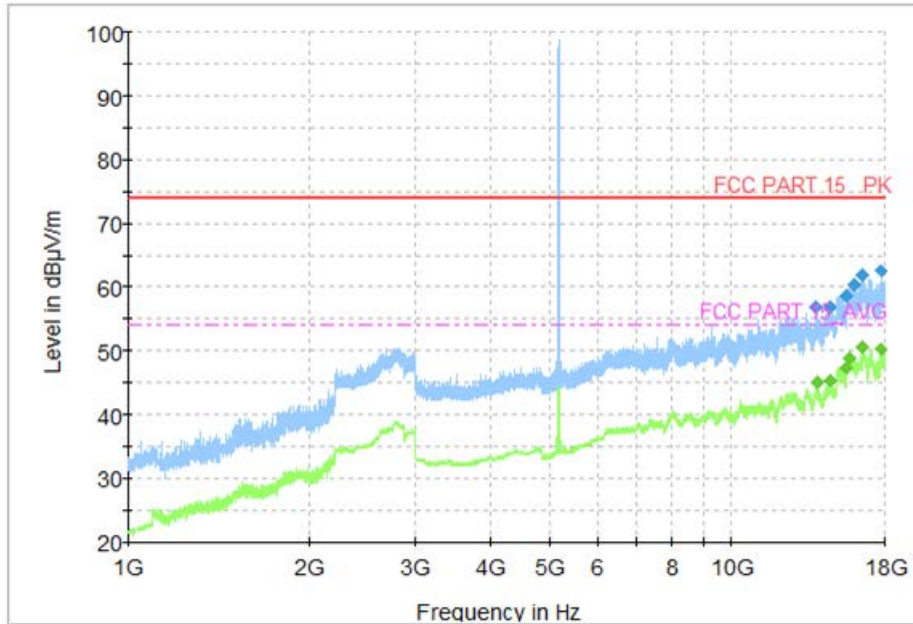


Fig. 63 Transmitter Spurious Emission (802.11a 5180MHz)

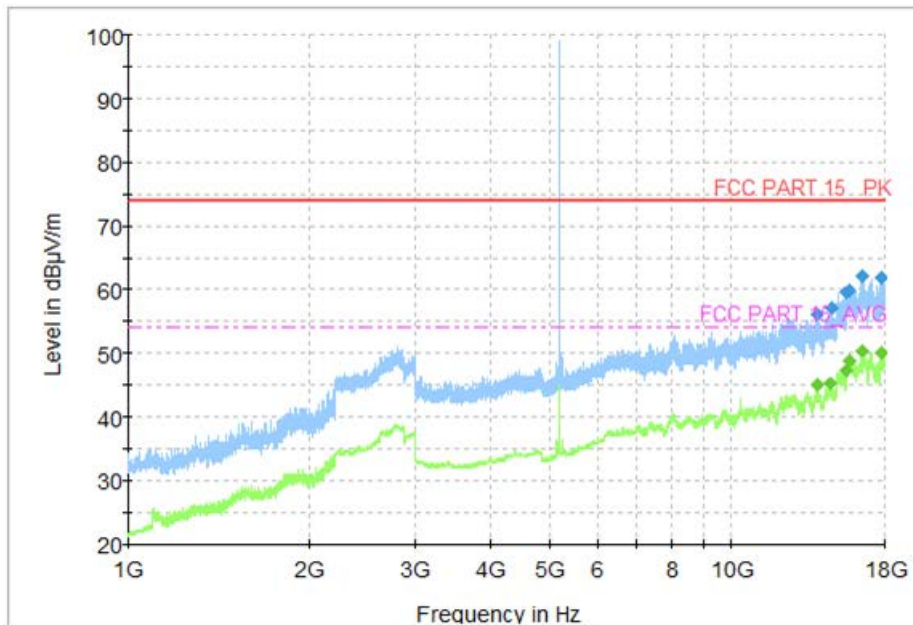


Fig. 64 Transmitter Spurious Emission (802.11a 5200MHz)

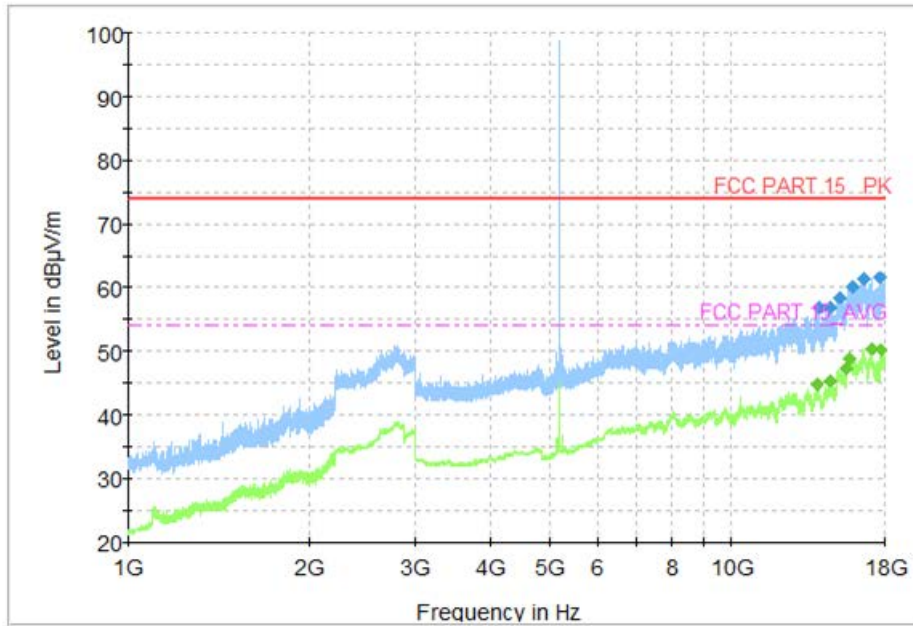


Fig. 65 Transmitter Spurious Emission (802.11a 5240MHz)

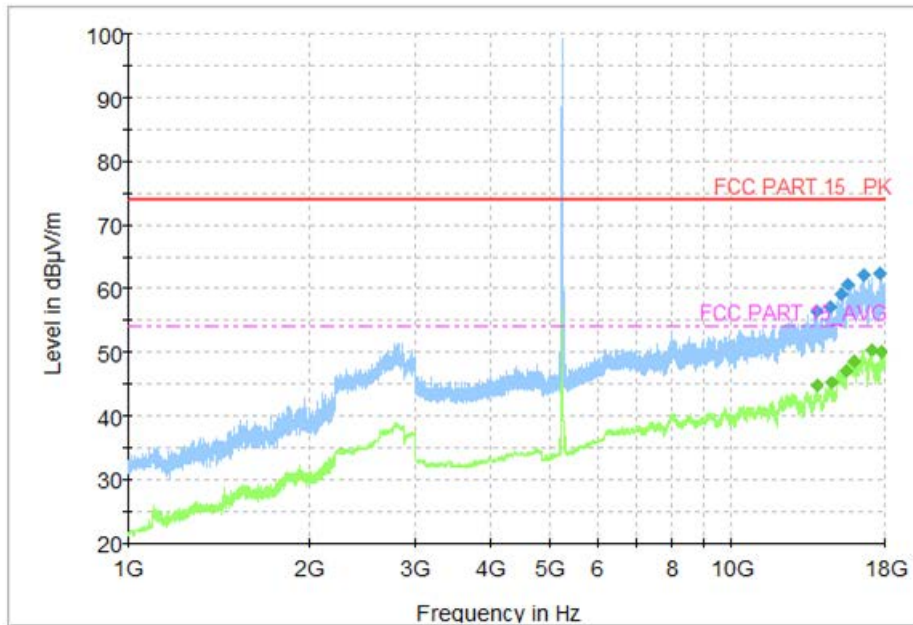


Fig. 66 Transmitter Spurious Emission (802.11a 5260MHz)

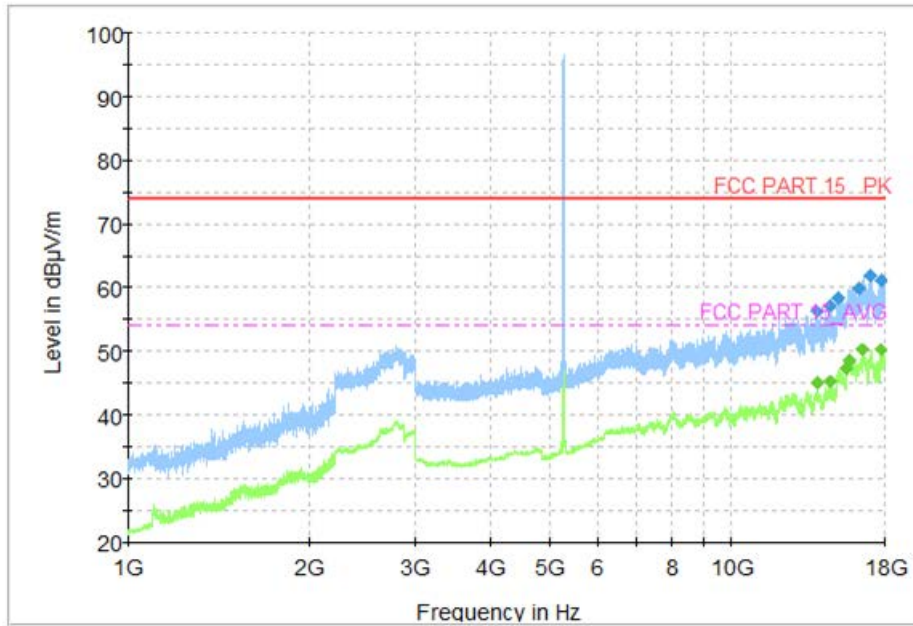


Fig. 67 Transmitter Spurious Emission (802.11a 5280MHz)

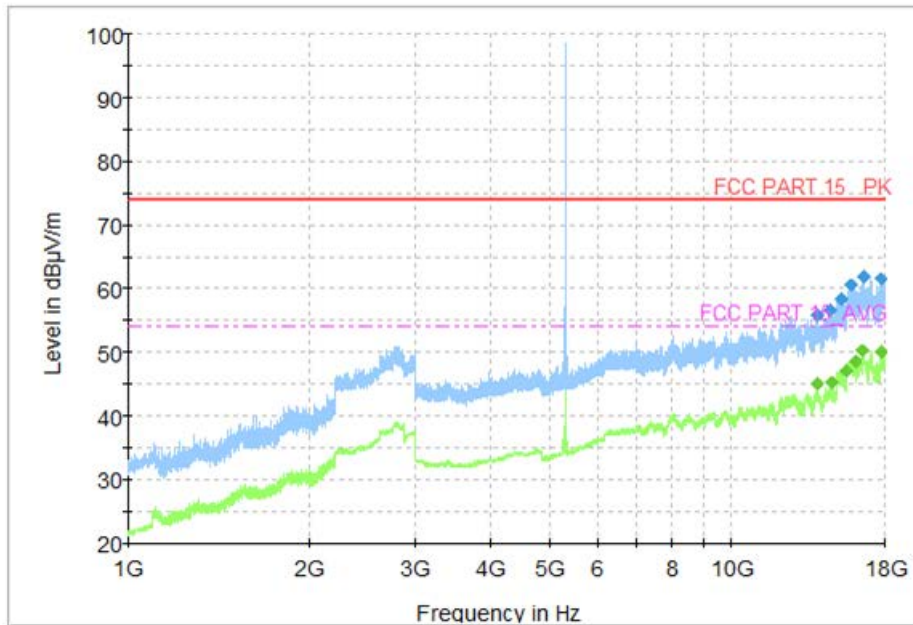


Fig. 68 Transmitter Spurious Emission (802.11a 5320MHz)

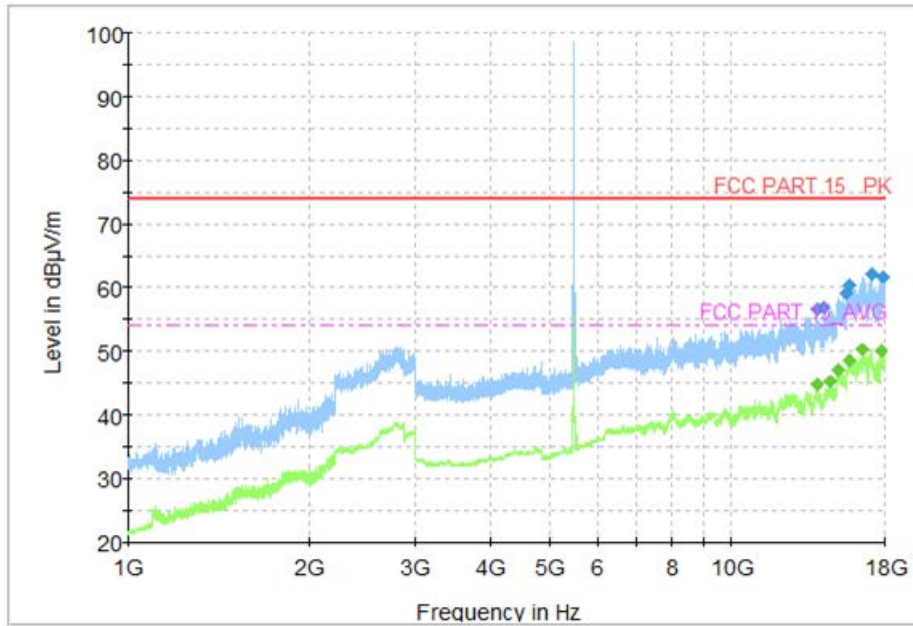


Fig. 69 Transmitter Spurious Emission (802. 11a 5500MHz)

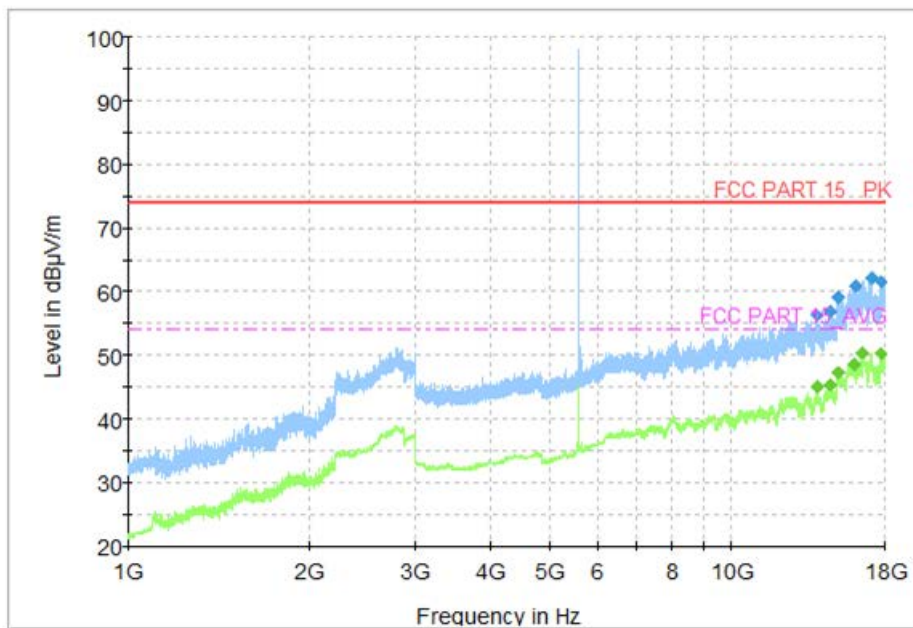


Fig. 70 Transmitter Spurious Emission (802. 11a 5600MHz)

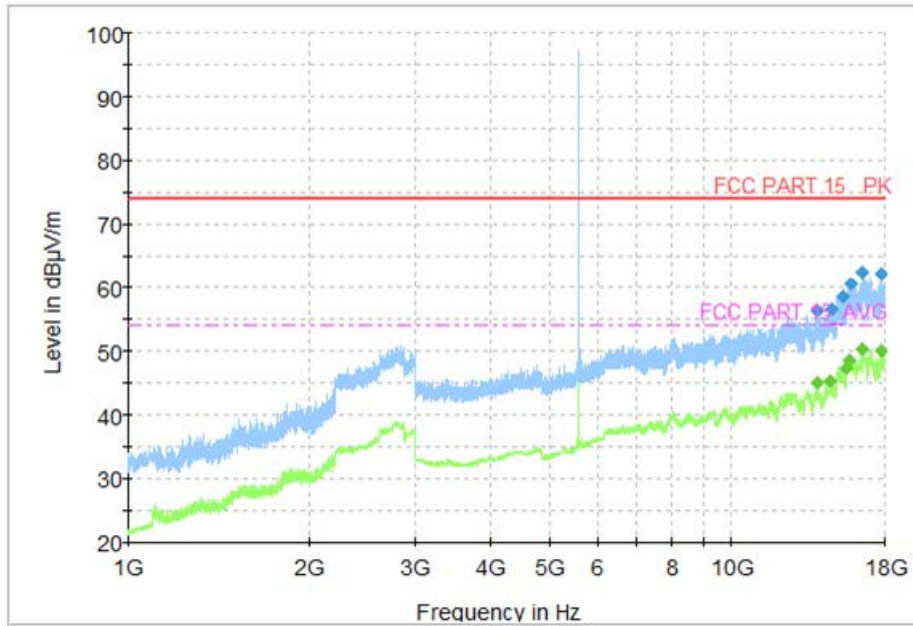


Fig. 71 Transmitter Spurious Emission (802. 11a 5700MHz)



Fig. 72 Transmitter Spurious Emission (802. 11a 5745MHz)

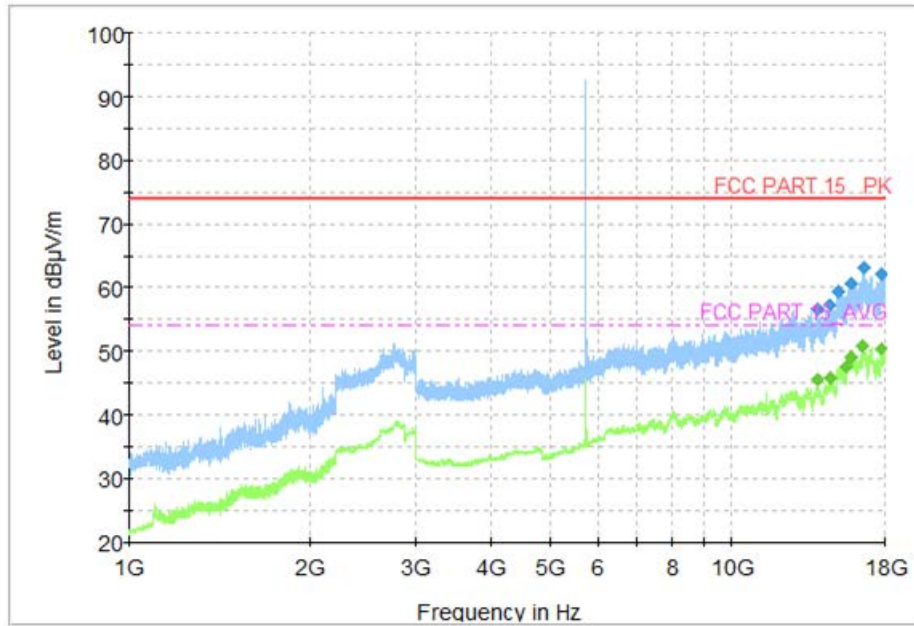


Fig. 73 Transmitter Spurious Emission (802. 11a 5785MHz)

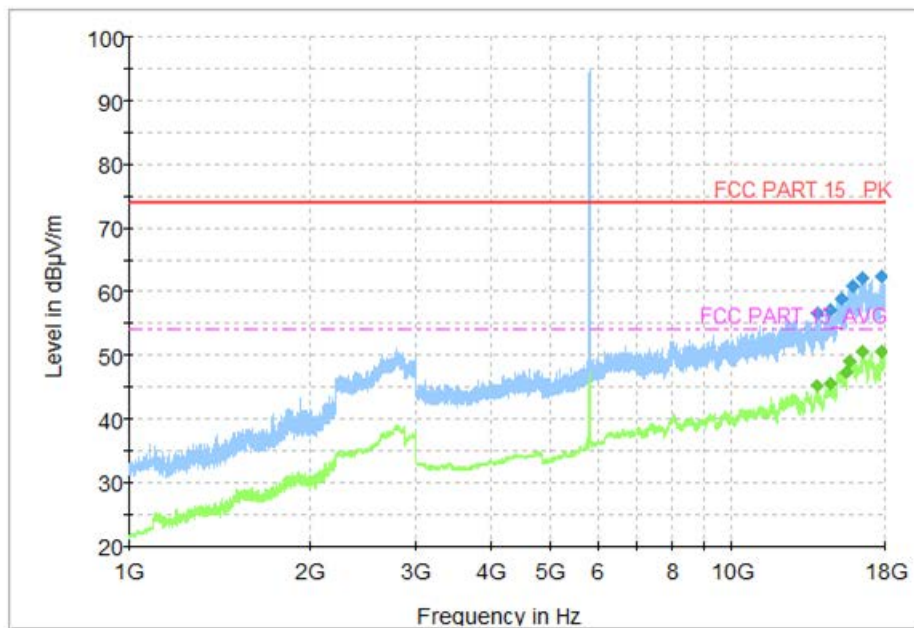


Fig. 74 Transmitter Spurious Emission (802. 11a 5825MHz)

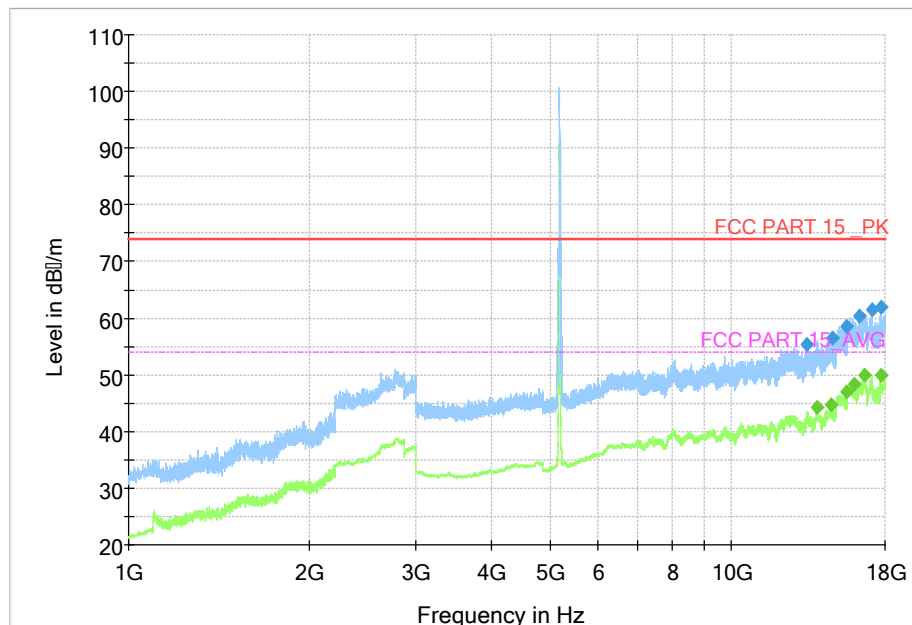


Fig. 75 Transmitter Spurious Emission (802.11n-HT40, 5190MHz)

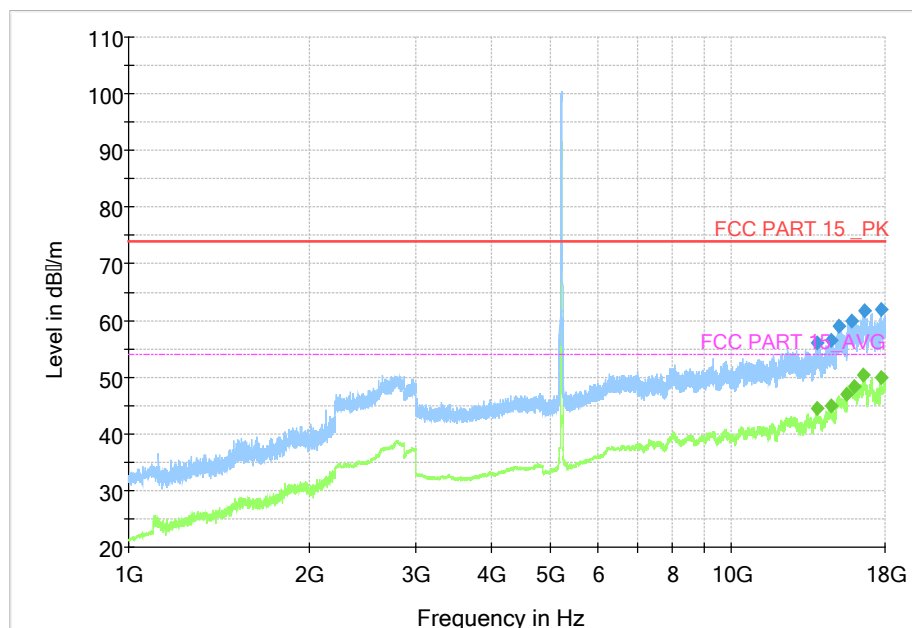


Fig. 76 Transmitter Spurious Emission (802.11n-HT40, 5230MHz)

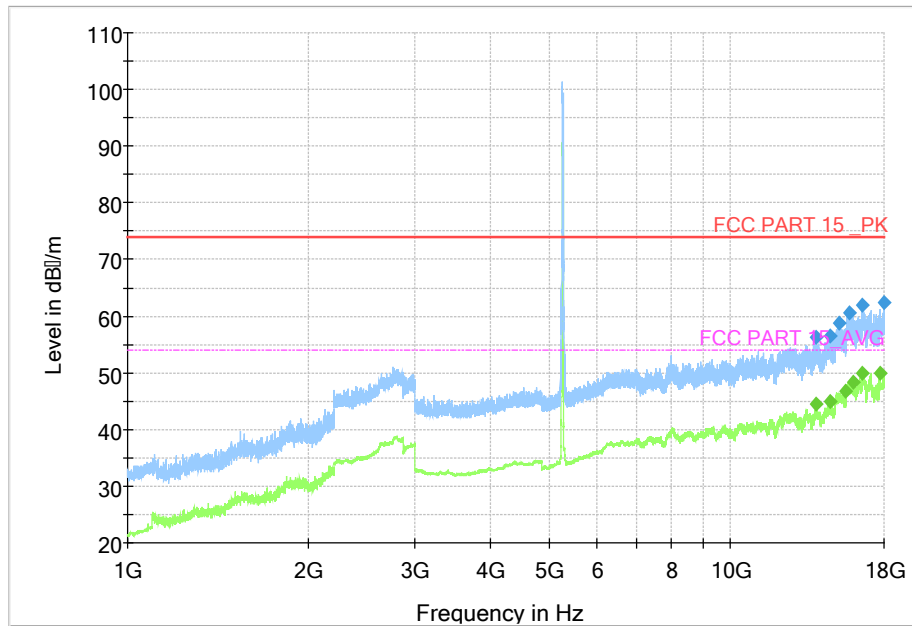


Fig. 77 Transmitter Spurious Emission (802.11n-HT40, 5270MHz)

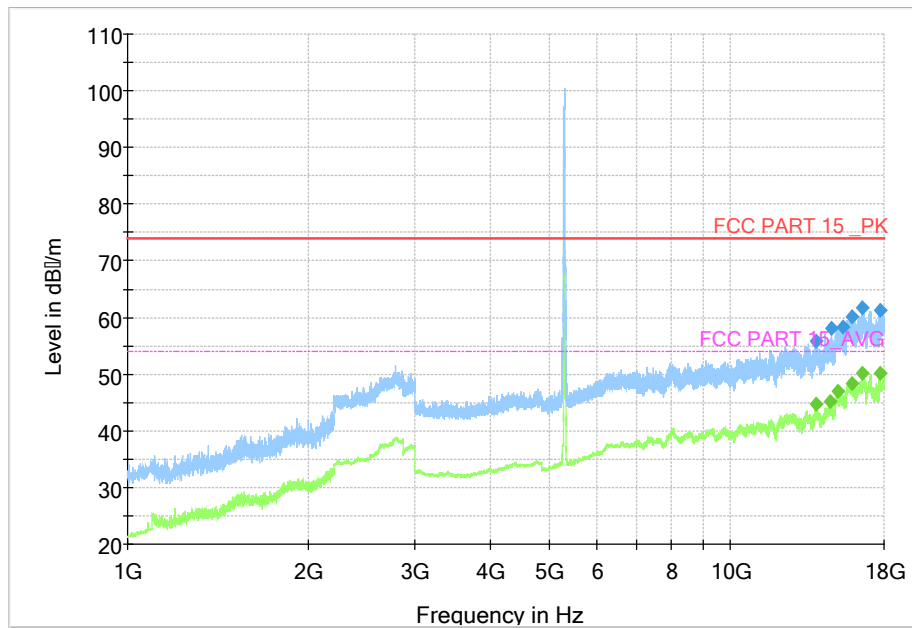


Fig. 78 Transmitter Spurious Emission (802.11n-HT40, 5310MHz)

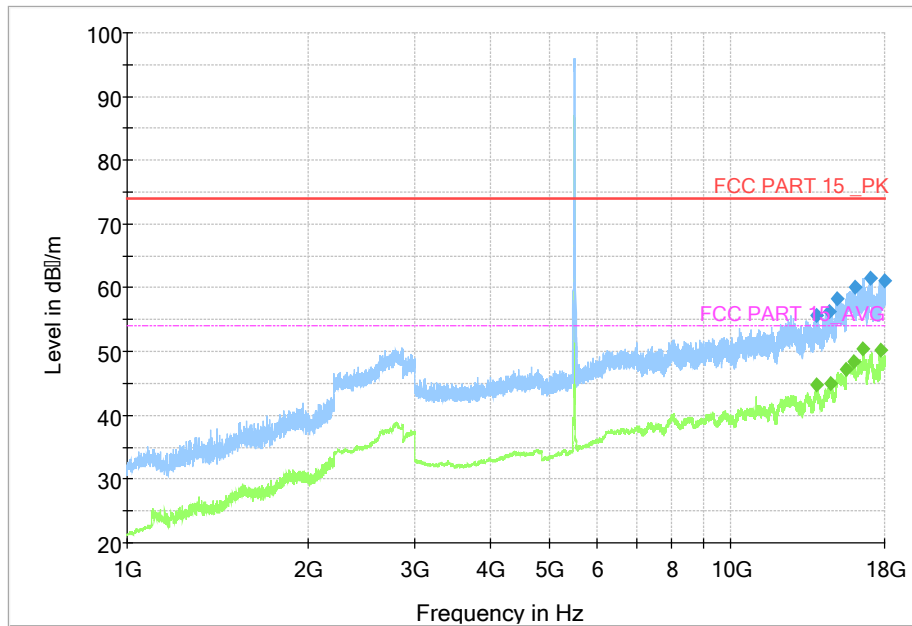


Fig. 79 Transmitter Spurious Emission (802. 11n-HT40, 5510MHz)

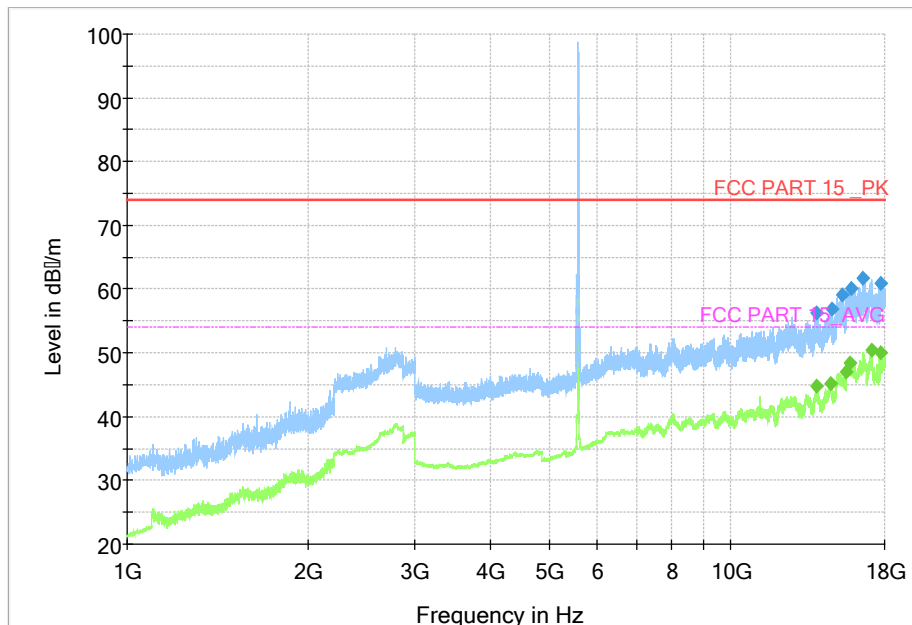


Fig. 80 Transmitter Spurious Emission (802. 11n-HT40, 5590MHz)

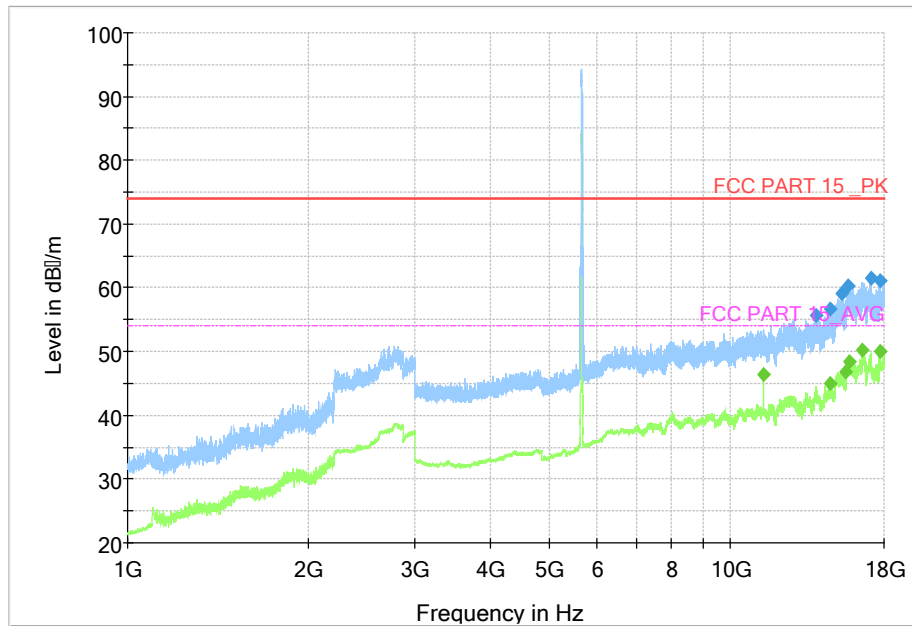


Fig. 81 Transmitter Spurious Emission (802. 11n-HT40, 5670MHz)

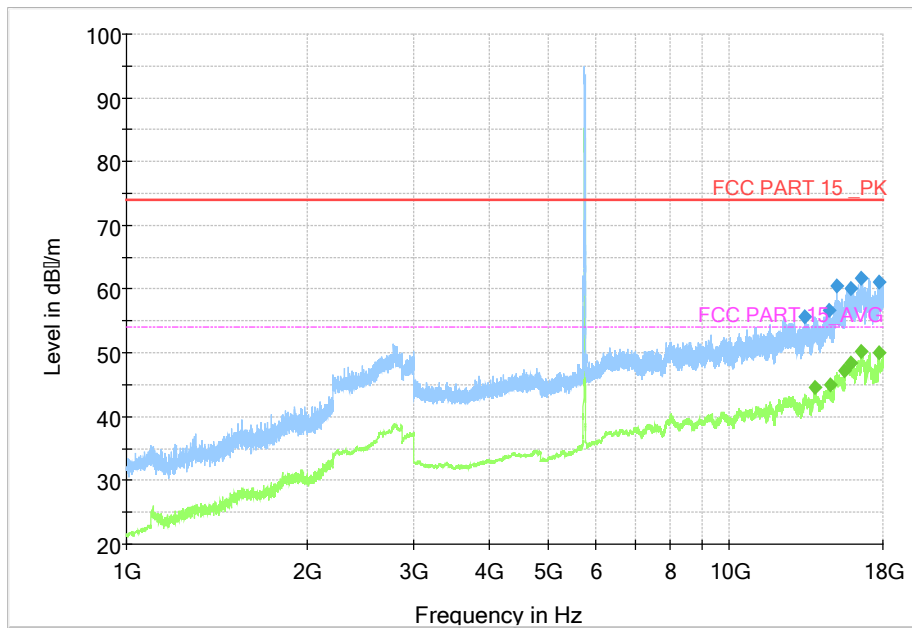


Fig. 82 Transmitter Spurious Emission (802. 11n-HT40, 5755MHz)

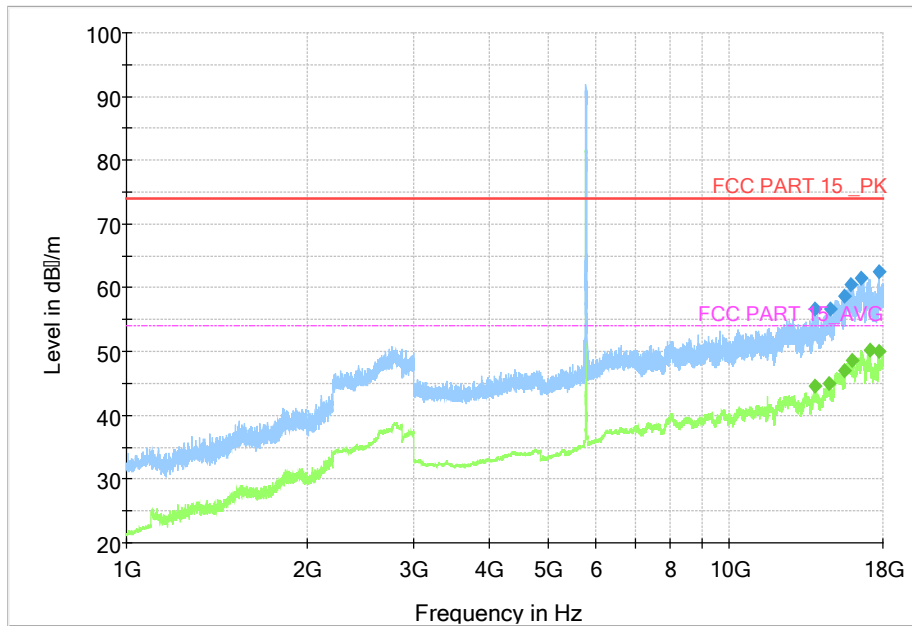


Fig. 83 Transmitter Spurious Emission (802. 11n-HT40, 5795MHz)

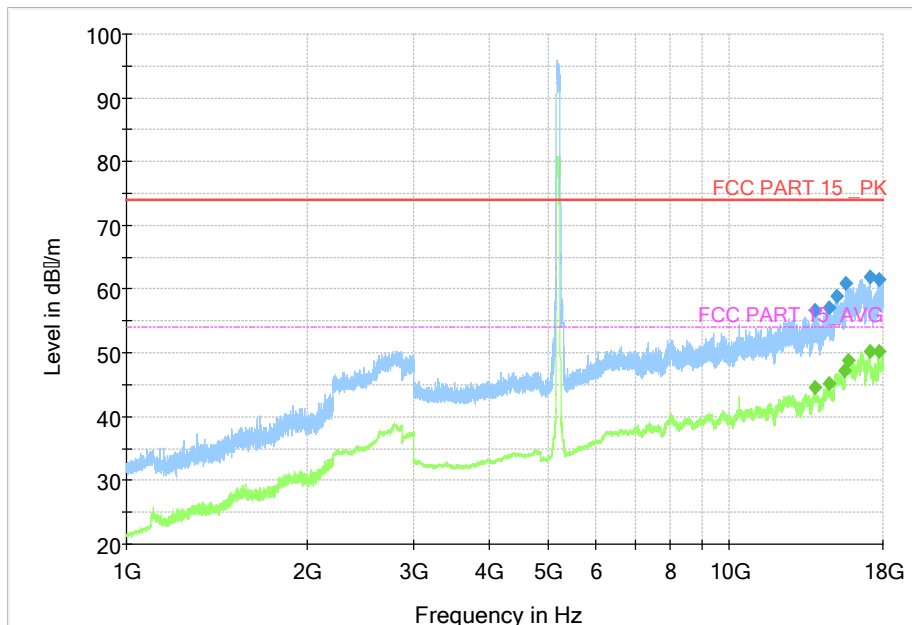


Fig. 84 Transmitter Spurious Emission (802. 11ac-VHT80, 5210MHz)

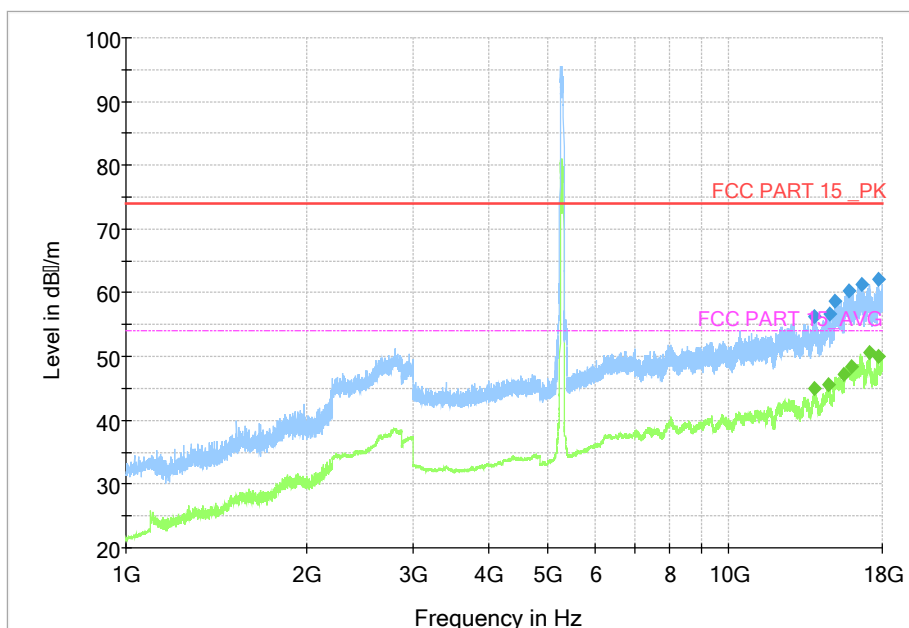


Fig. 85 Transmitter Spurious Emission (802. 11ac-VHT80, 5290MHz)

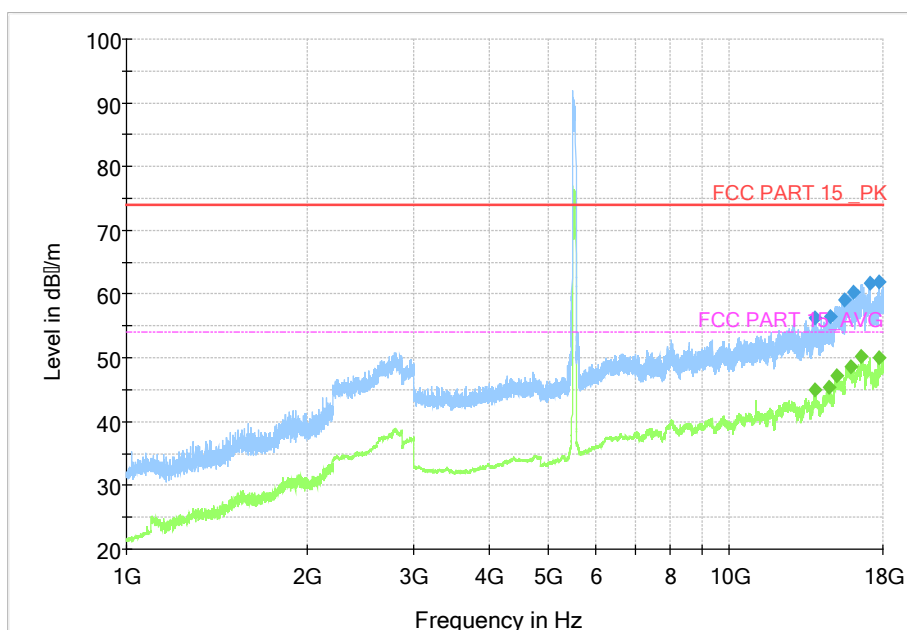


Fig. 86 Transmitter Spurious Emission (802. 11ac-VHT80, 5530MHz)

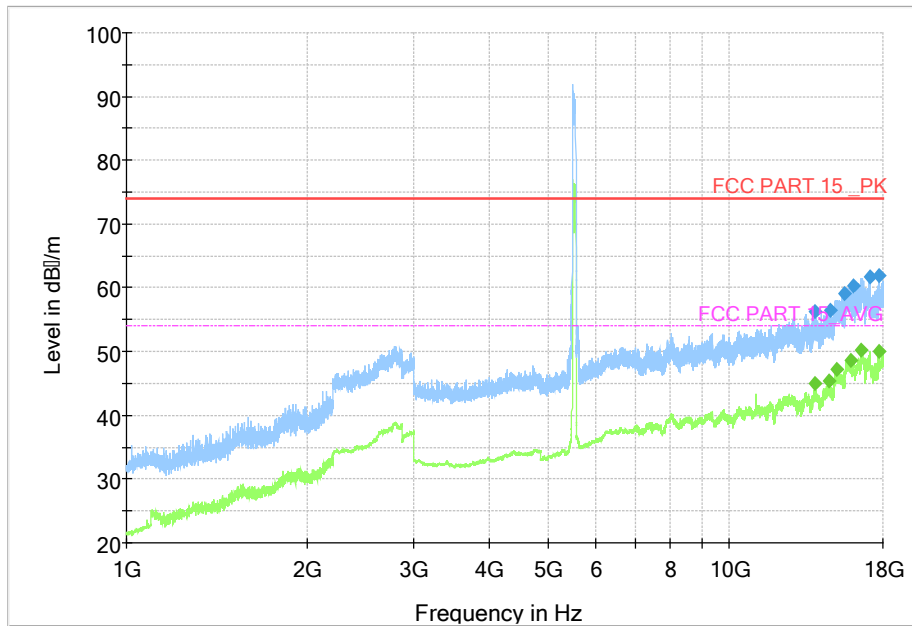


Fig. 87 Transmitter Spurious Emission (802. 11ac-VHT80, 5610MHz)

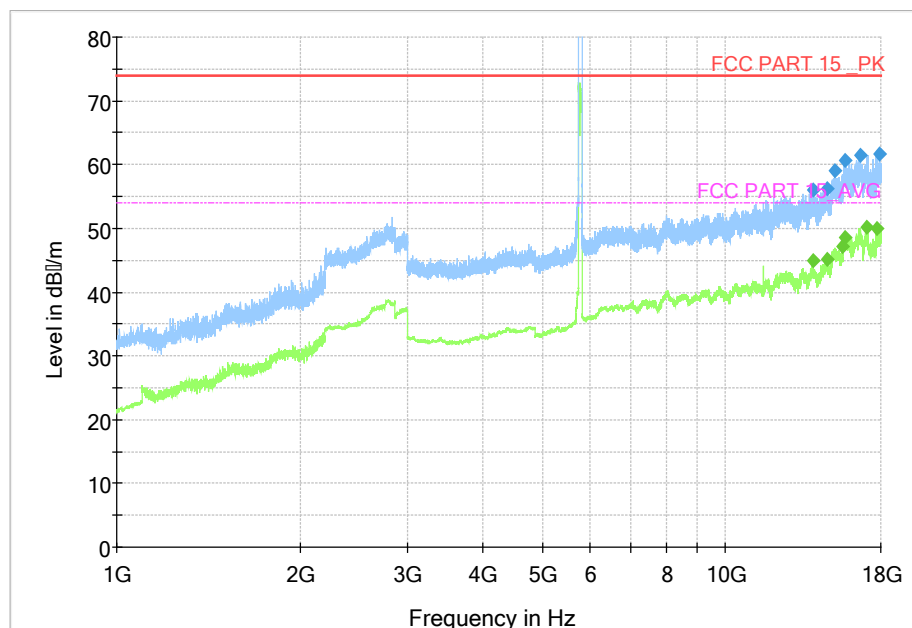


Fig. 88 Transmitter Spurious Emission (802. 11ac-VHT80, 5775MHz)

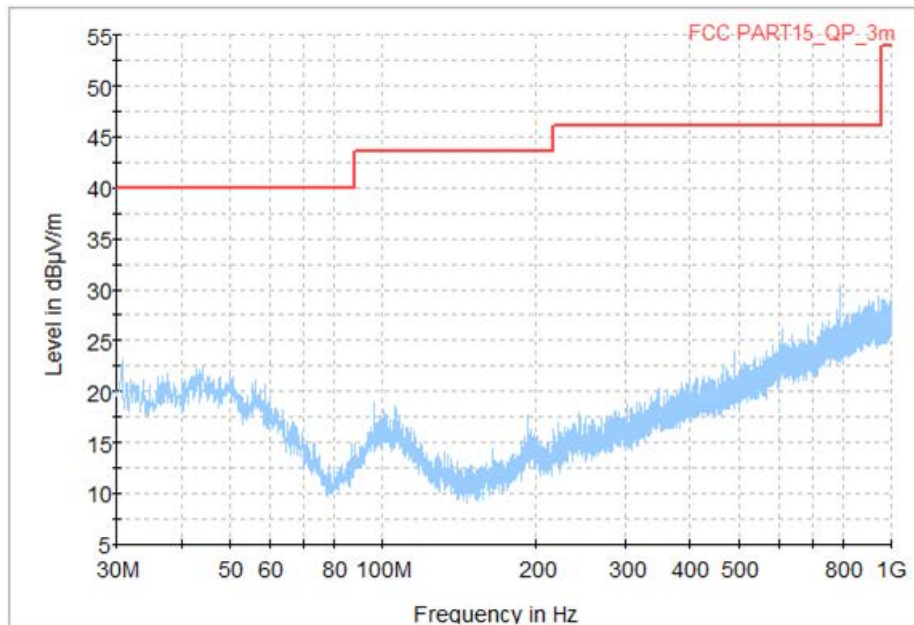


Fig. 89 Transmitter Spurious Emission (All channel, 30MHz~1GHz)

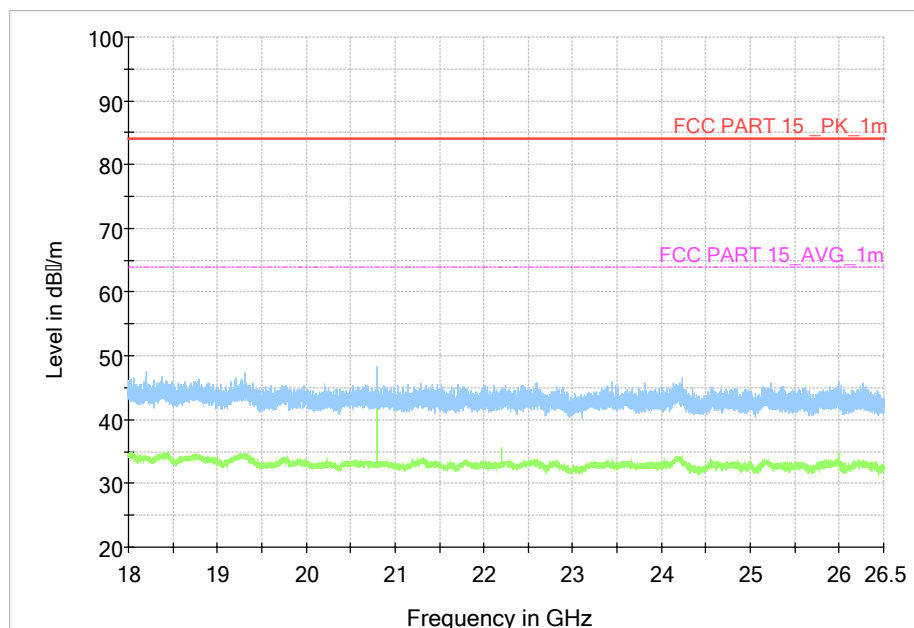


Fig. 90 Transmitter Spurious Emission (All channel, 18GHz~26.5GHz)

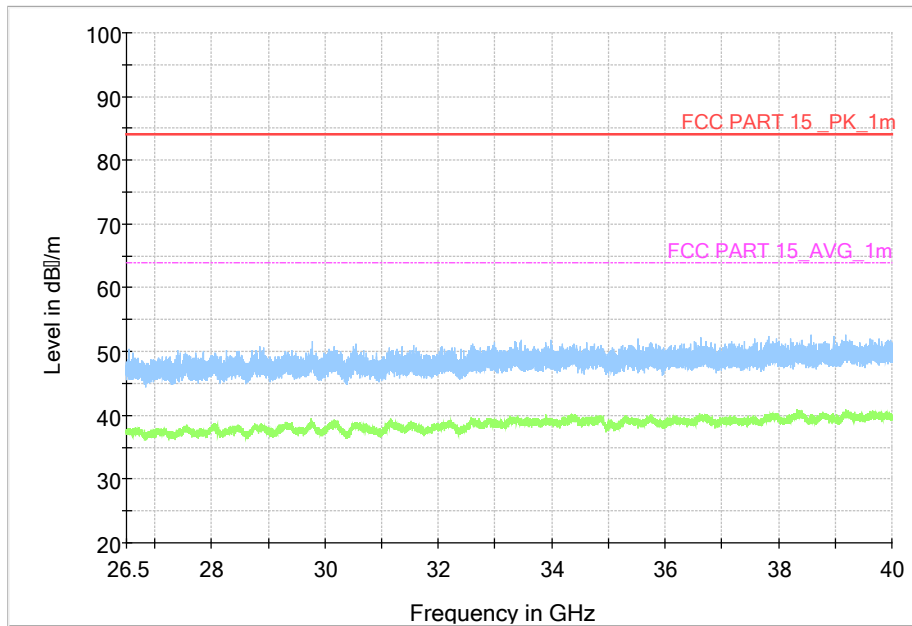


Fig. 91 Transmitter Spurious Emission (All channel, 26.5GHz~40GHz)

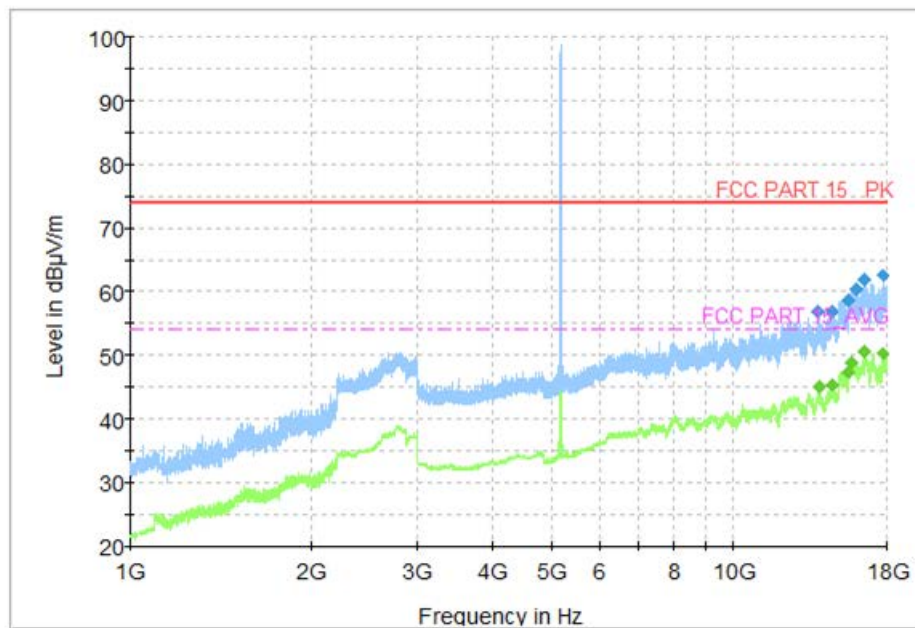


Fig. 92 Transmitter Spurious Emission (802.11a 5180MHz)

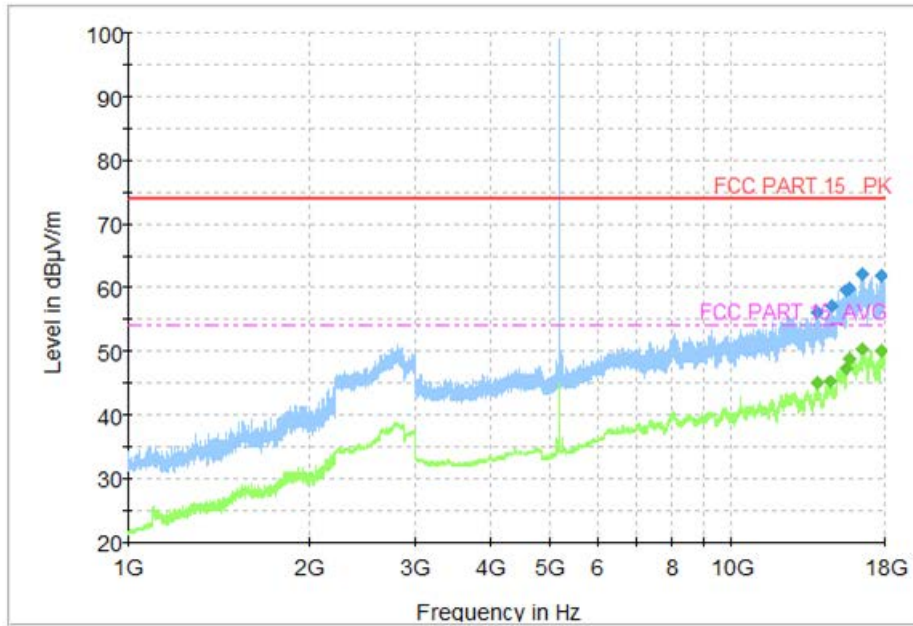


Fig. 93 Transmitter Spurious Emission (802.11a 5200MHz)

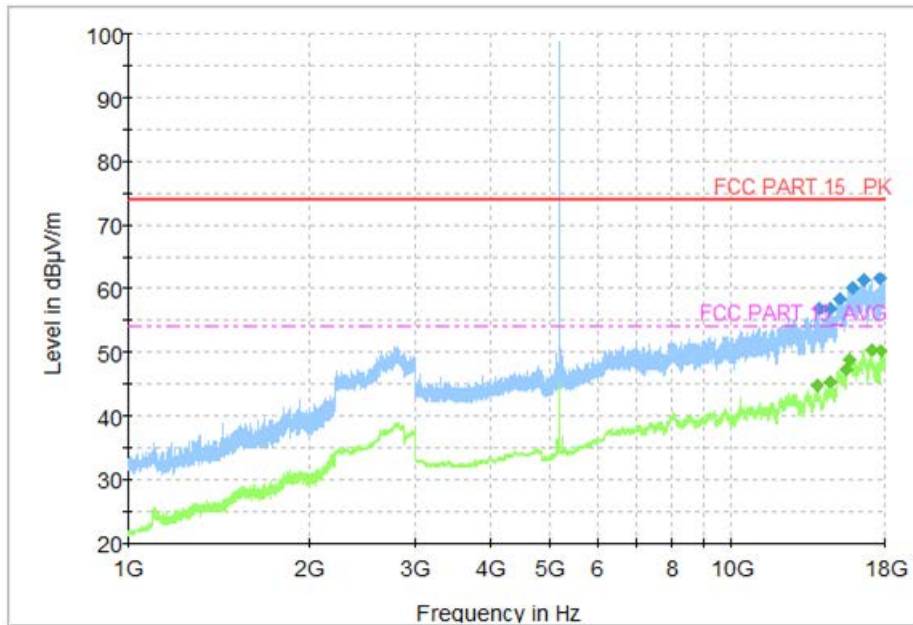


Fig. 94 Transmitter Spurious Emission (802.11a 5240MHz)

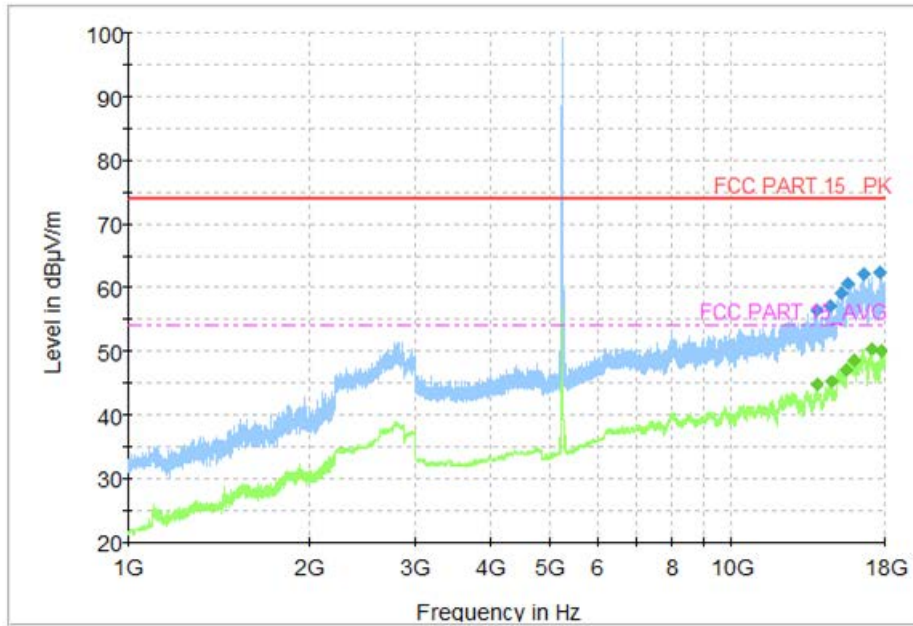


Fig. 95 Transmitter Spurious Emission (802.11a 5260MHz)

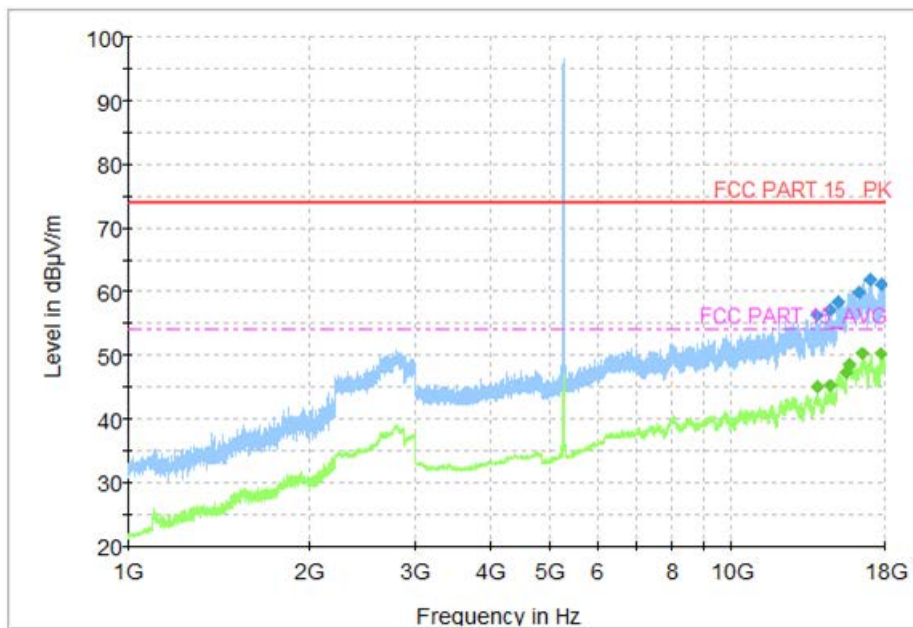


Fig. 96 Transmitter Spurious Emission (802.11a 5280MHz)

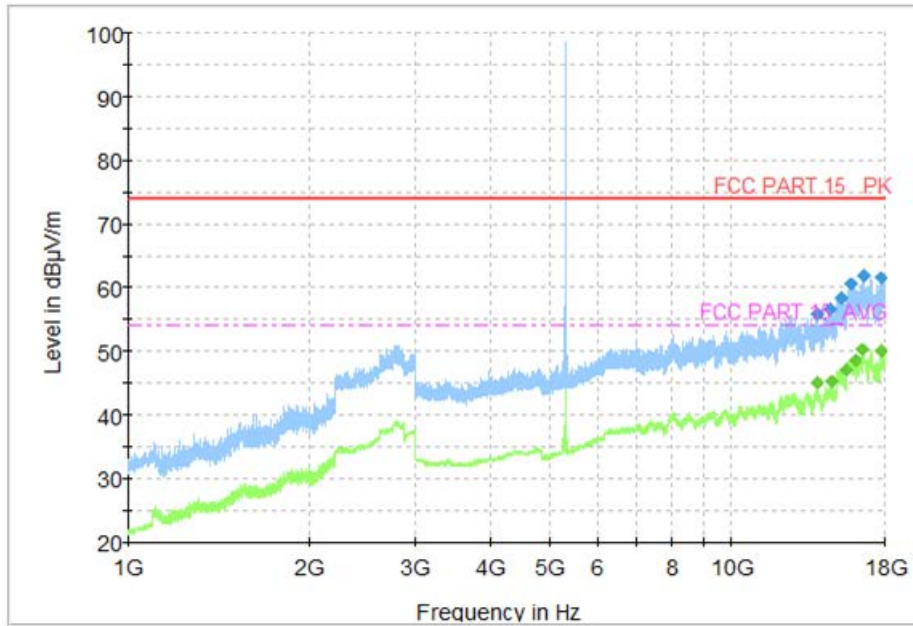


Fig. 97 Transmitter Spurious Emission (802.11a 5320MHz)

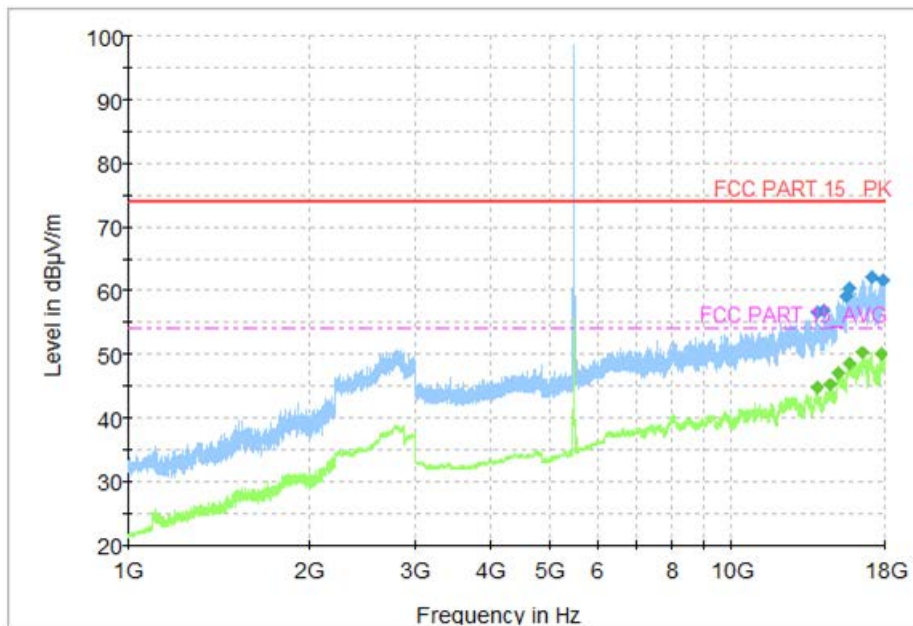


Fig. 98 Transmitter Spurious Emission (802.11a 5500MHz)

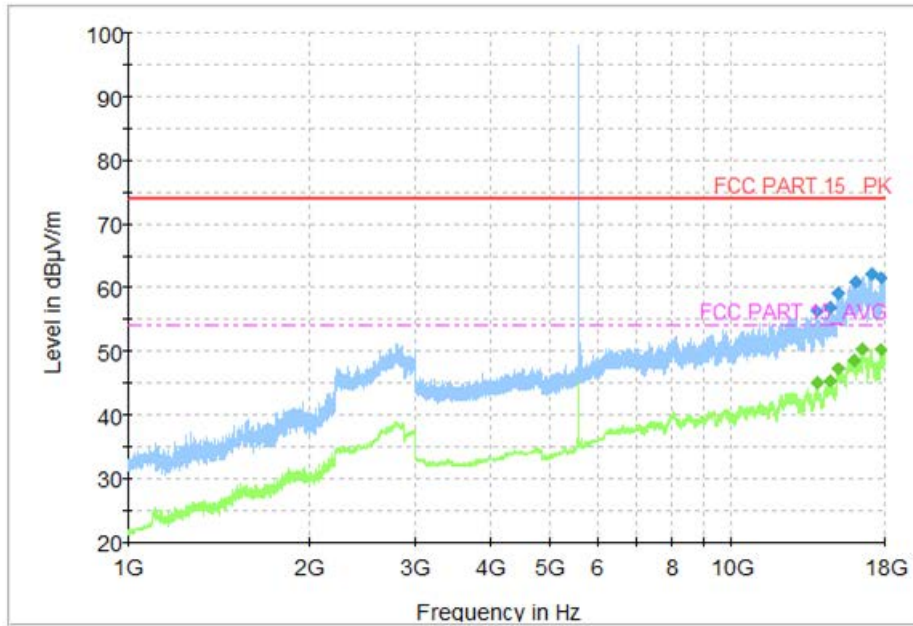


Fig. 99 Transmitter Spurious Emission (802. 11a 5600MHz)

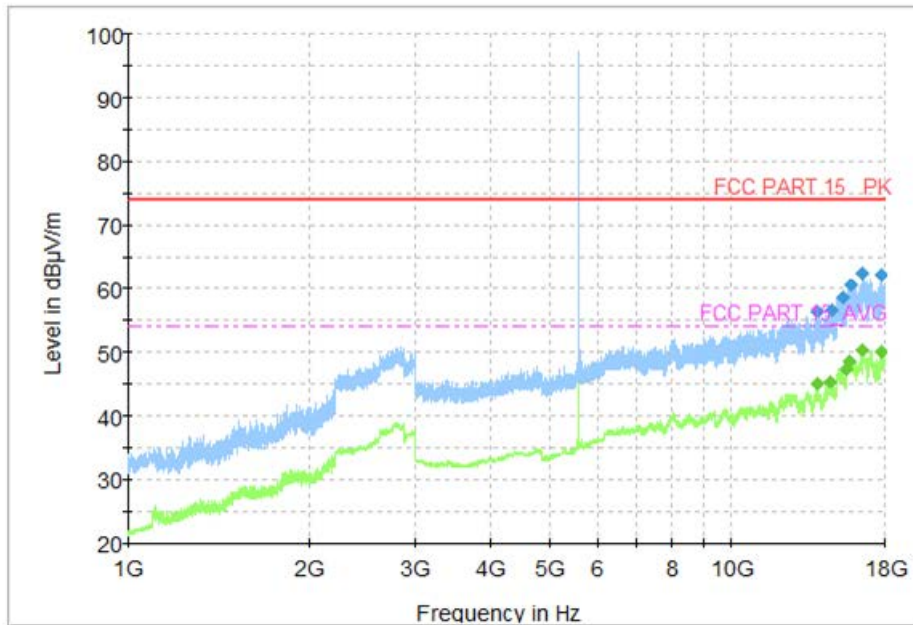


Fig. 100 Transmitter Spurious Emission (802. 11a 5700MHz)

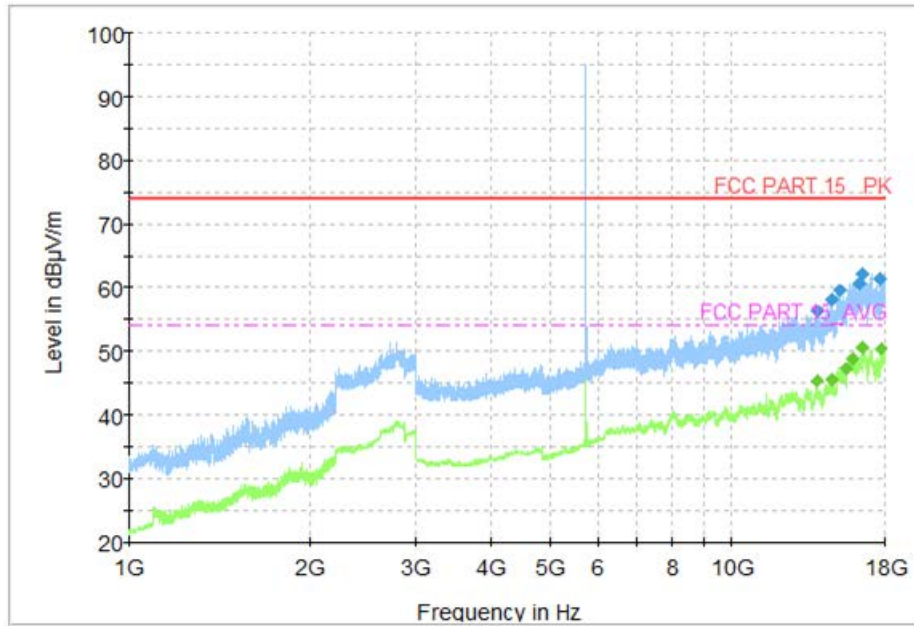


Fig. 101 Transmitter Spurious Emission (802. 11a 5745MHz)

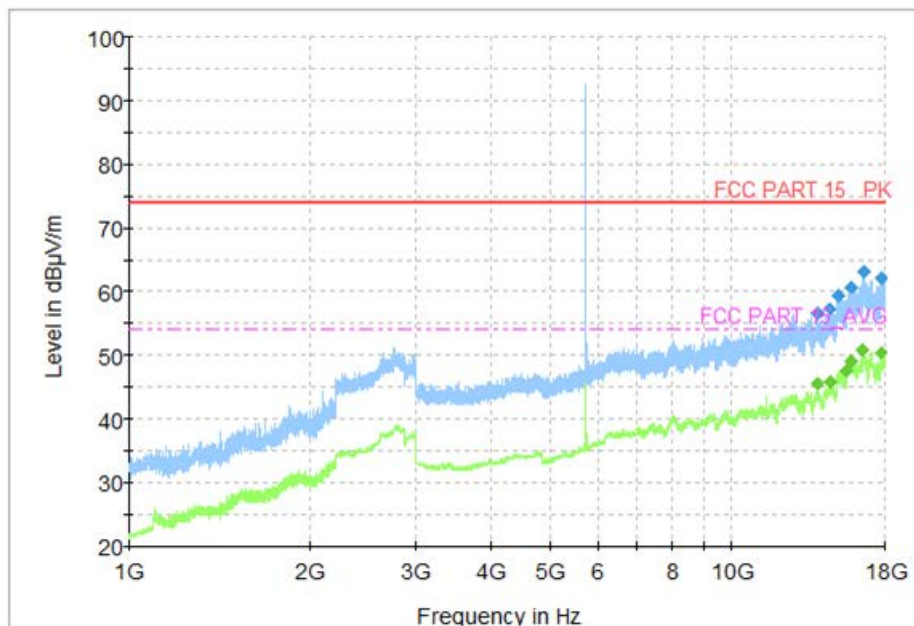


Fig. 102 Transmitter Spurious Emission (802. 11a 5785MHz)

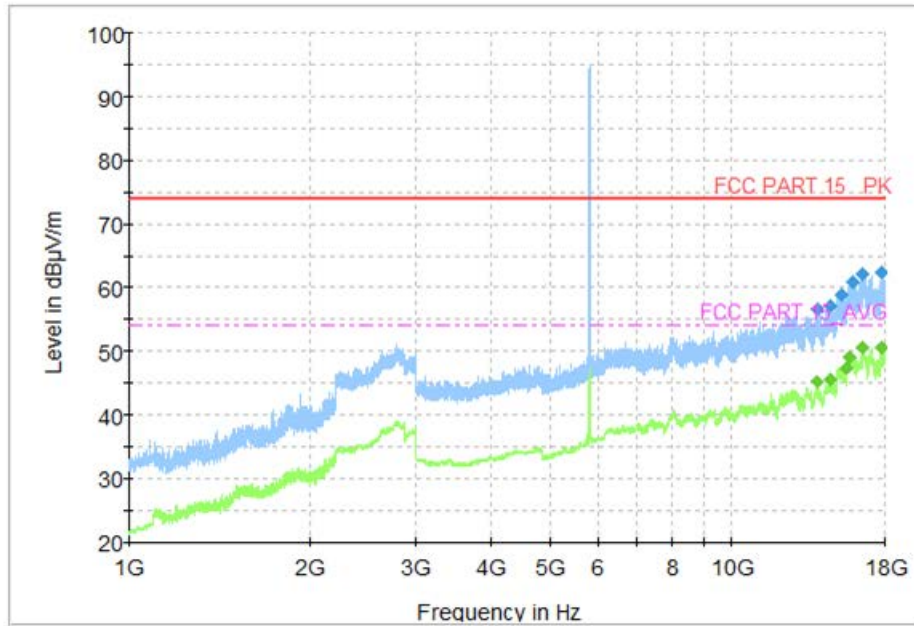


Fig. 103 Transmitter Spurious Emission (802. 11a 5825MHz)

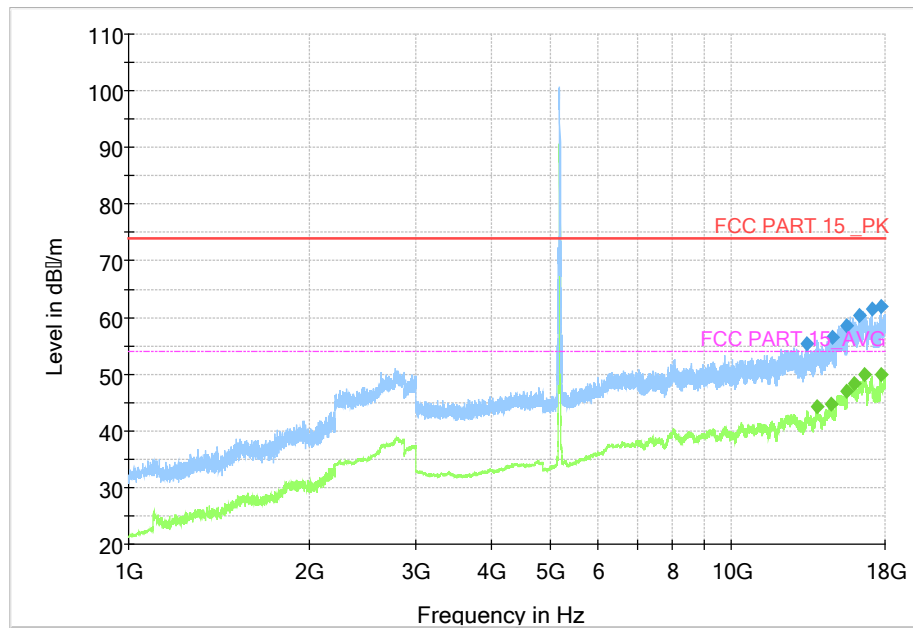


Fig. 104 Transmitter Spurious Emission (802.11n-HT40, 5190MHz)

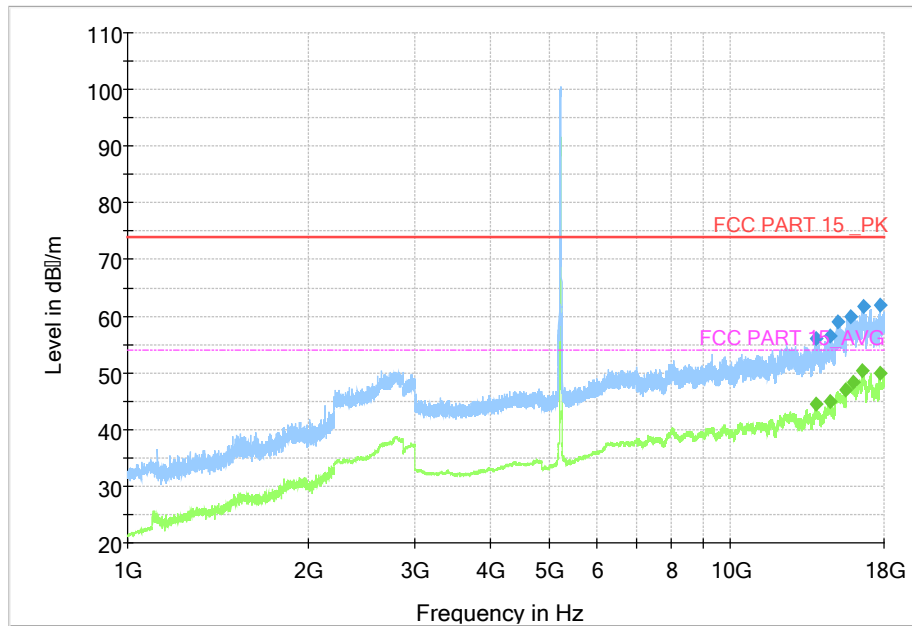


Fig. 105 Transmitter Spurious Emission (802.11n-HT40, 5230MHz)

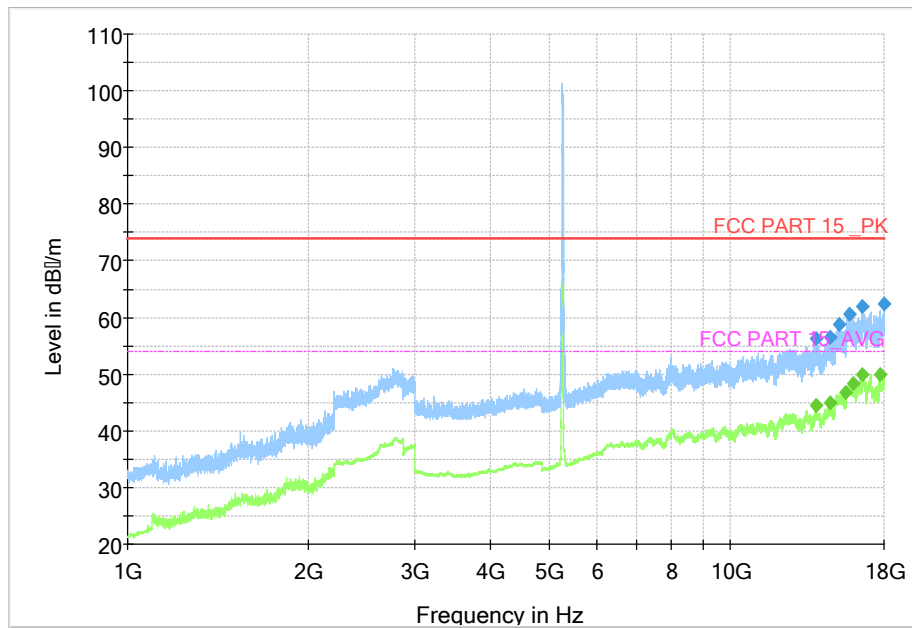


Fig. 106 Transmitter Spurious Emission (802.11n-HT40, 5270MHz)

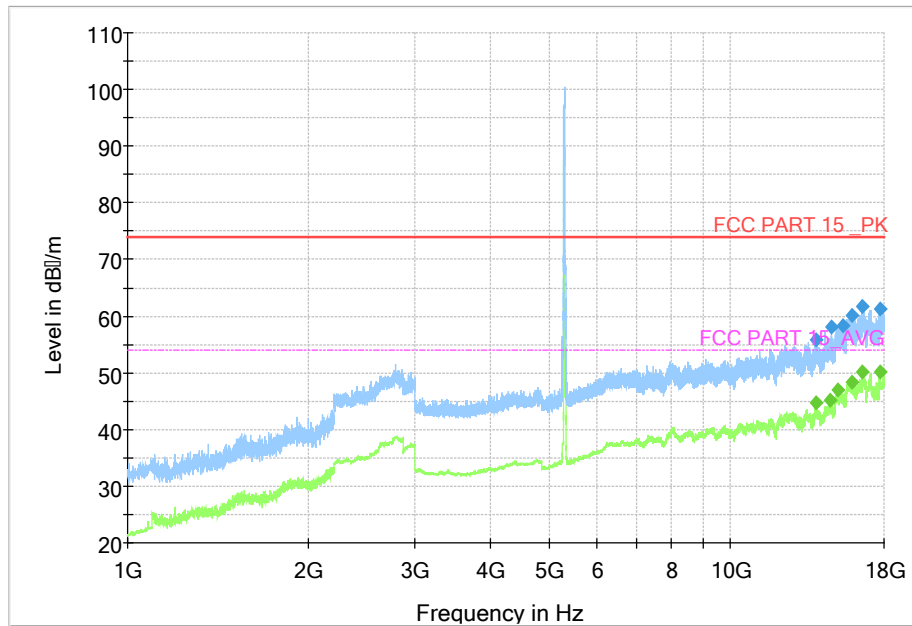


Fig. 107 Transmitter Spurious Emission (802.11n-HT40, 5310MHz)

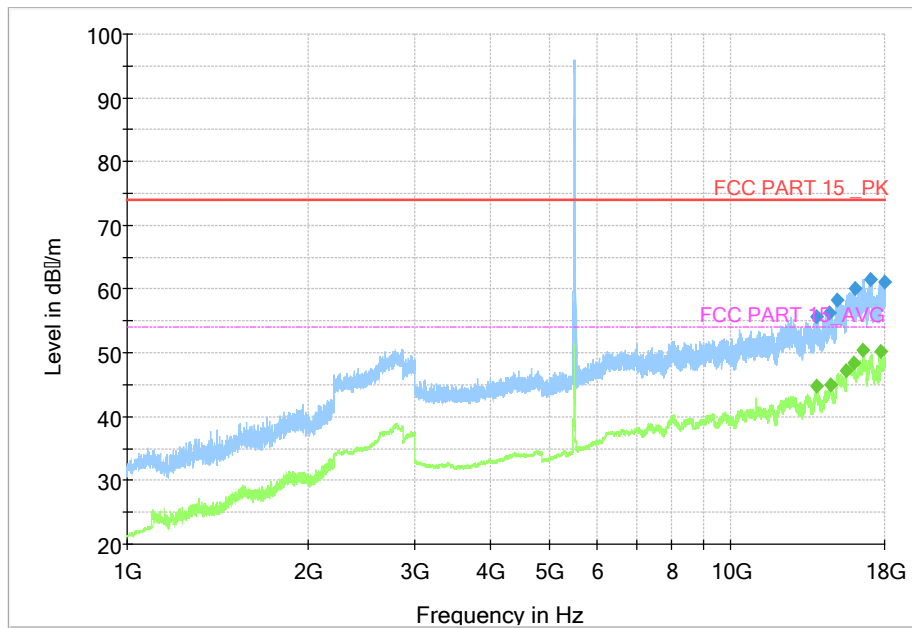


Fig. 108 Transmitter Spurious Emission (802. 11n-HT40, 5510MHz)

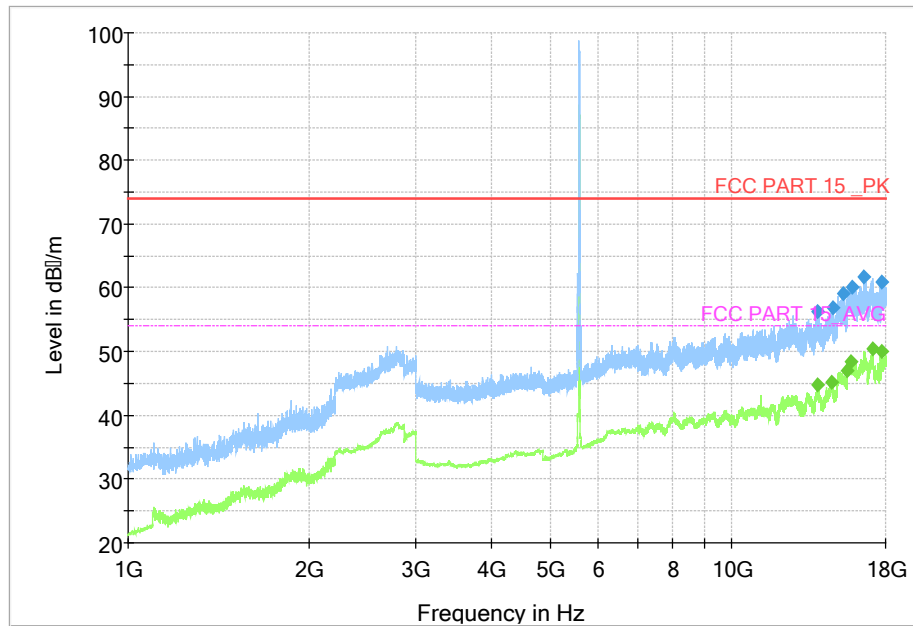


Fig. 109 Transmitter Spurious Emission (802. 11n-HT40, 5590MHz)

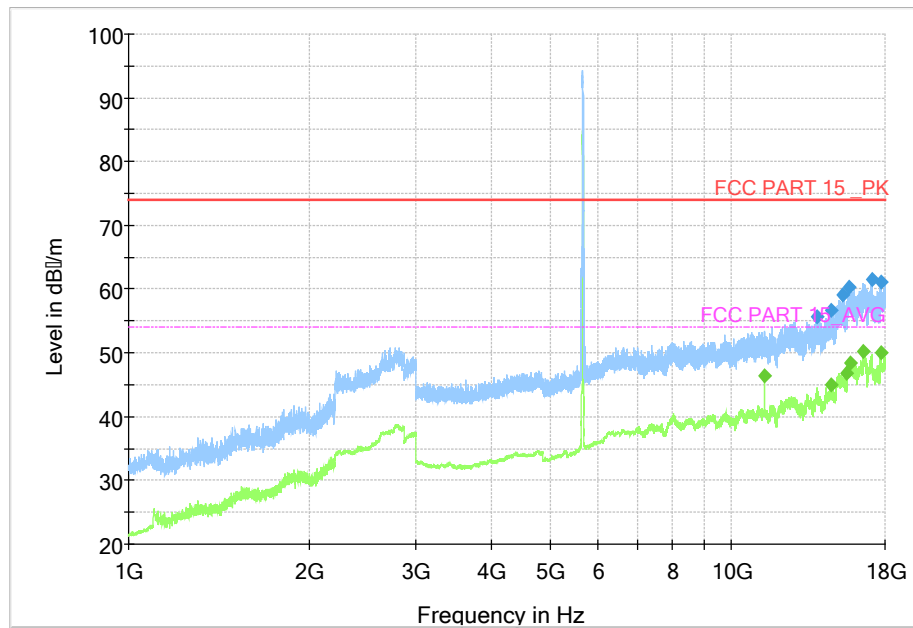


Fig. 110 Transmitter Spurious Emission (802. 11n-HT40, 5670MHz)

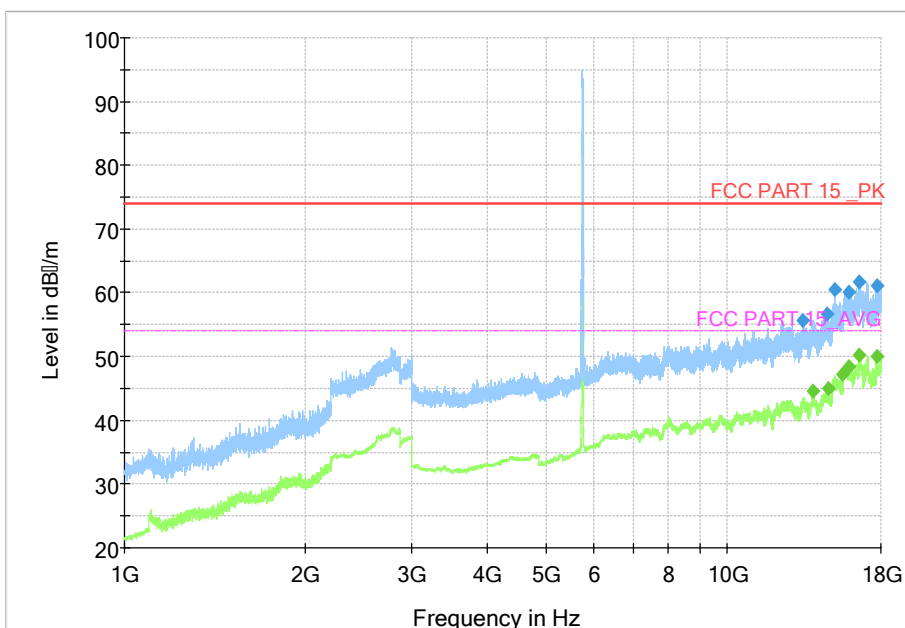


Fig. 111 Transmitter Spurious Emission (802. 11n-HT40, 5755MHz)

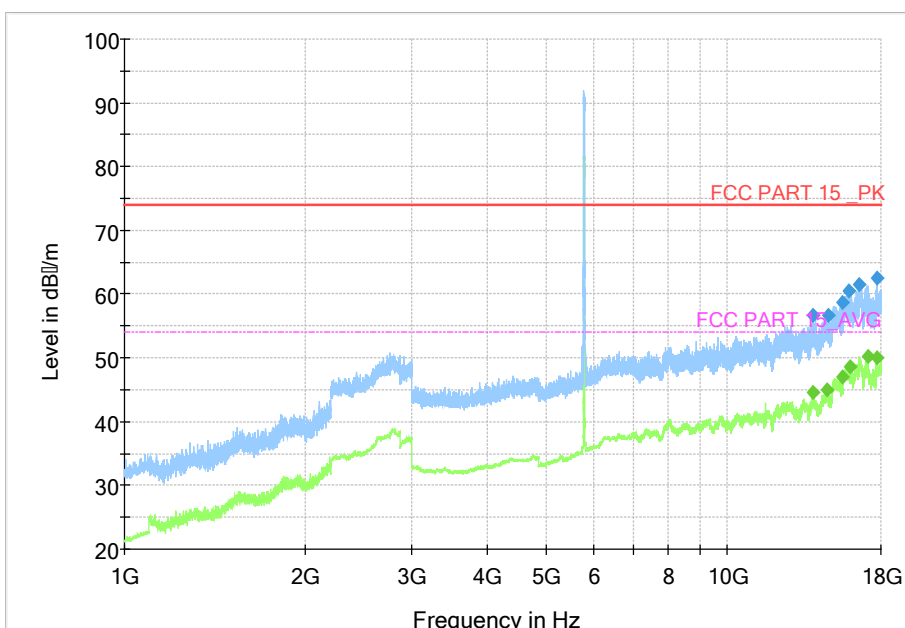


Fig. 112 Transmitter Spurious Emission (802. 11n-HT40, 5795MHz)

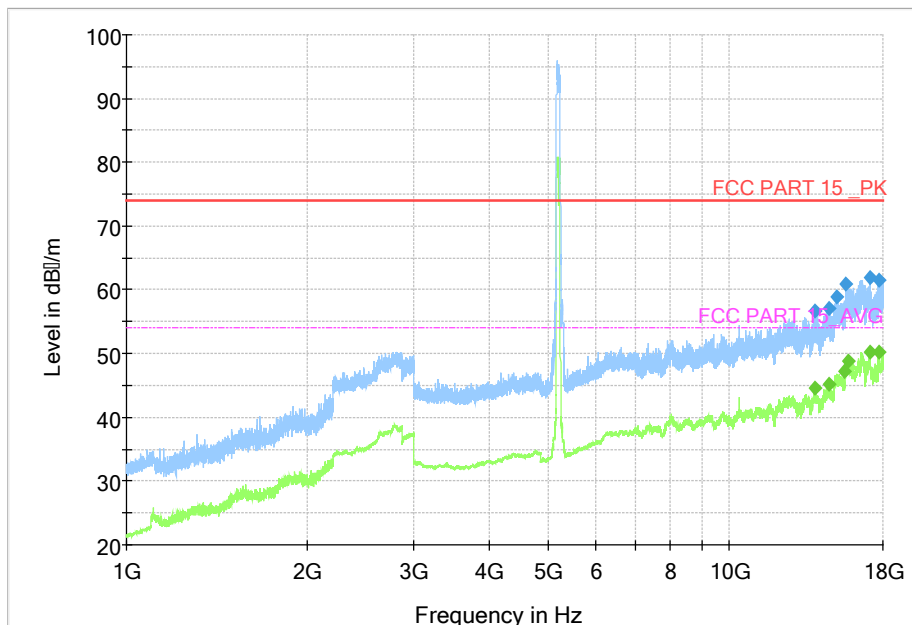


Fig. 113 Transmitter Spurious Emission (802. 11ac-VHT80, 5210MHz)

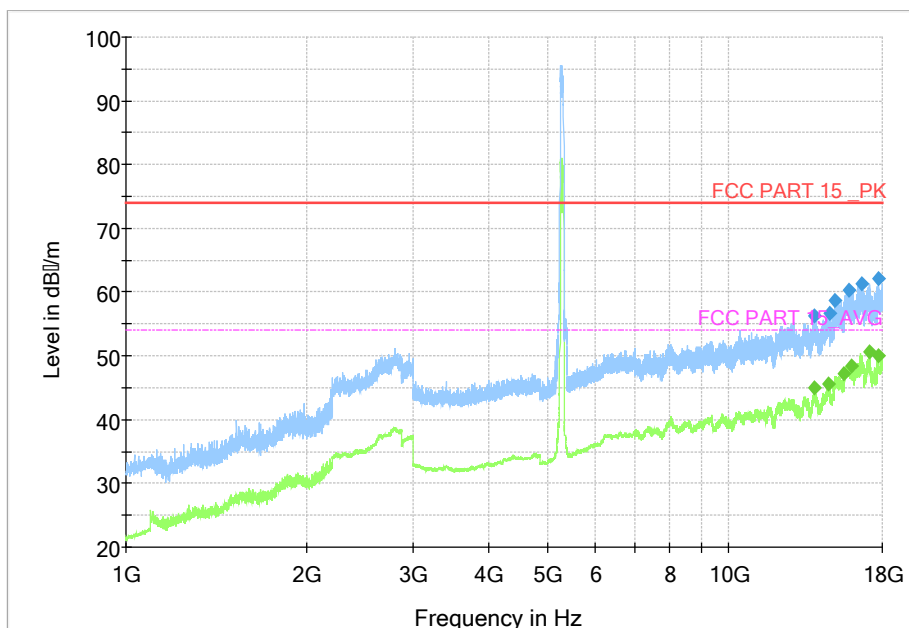


Fig. 114 Transmitter Spurious Emission (802. 11ac-VHT80, 5290MHz)

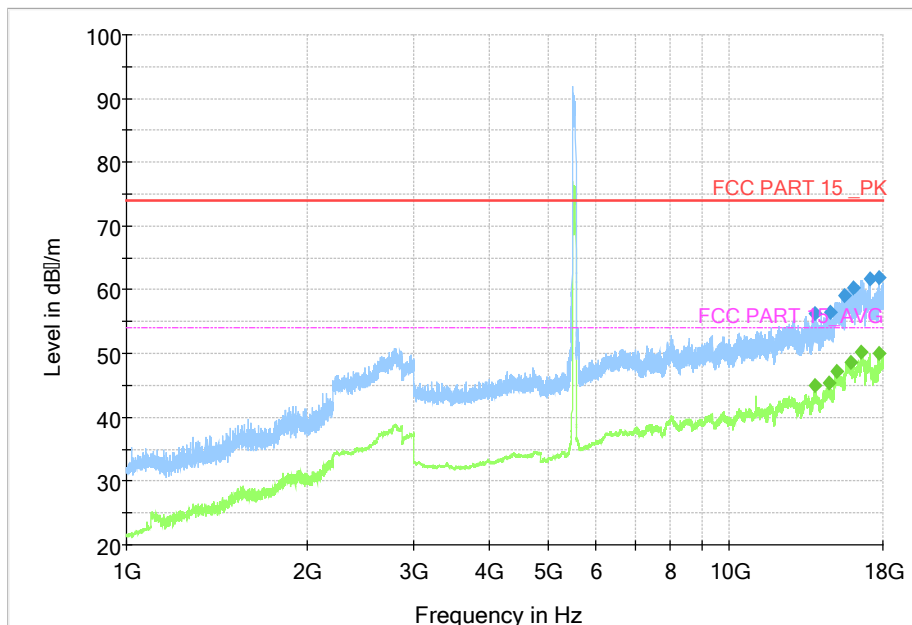


Fig. 115 Transmitter Spurious Emission (802. 11ac-VHT80, 5530MHz)

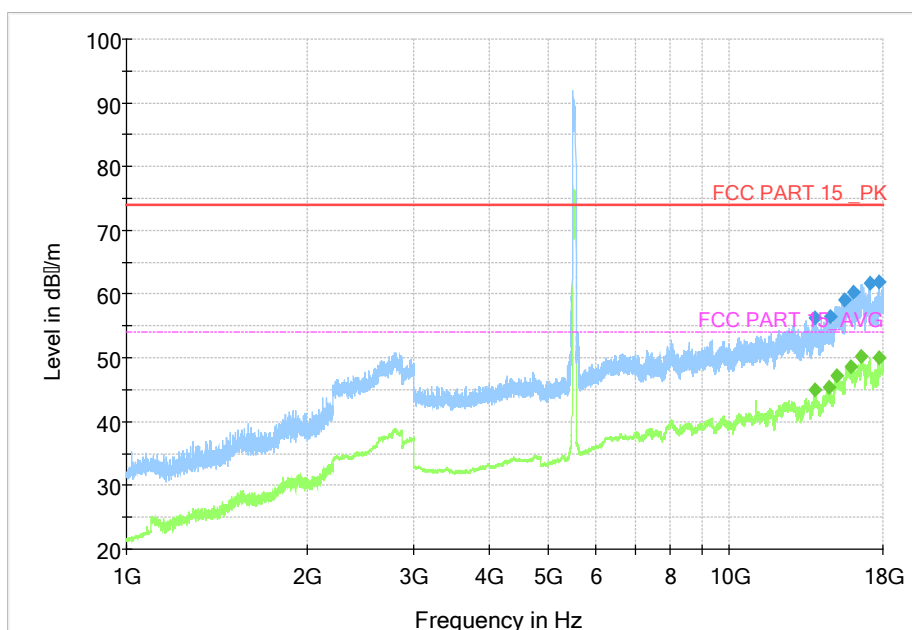


Fig. 116 Transmitter Spurious Emission (802. 11ac-VHT80, 5610MHz)

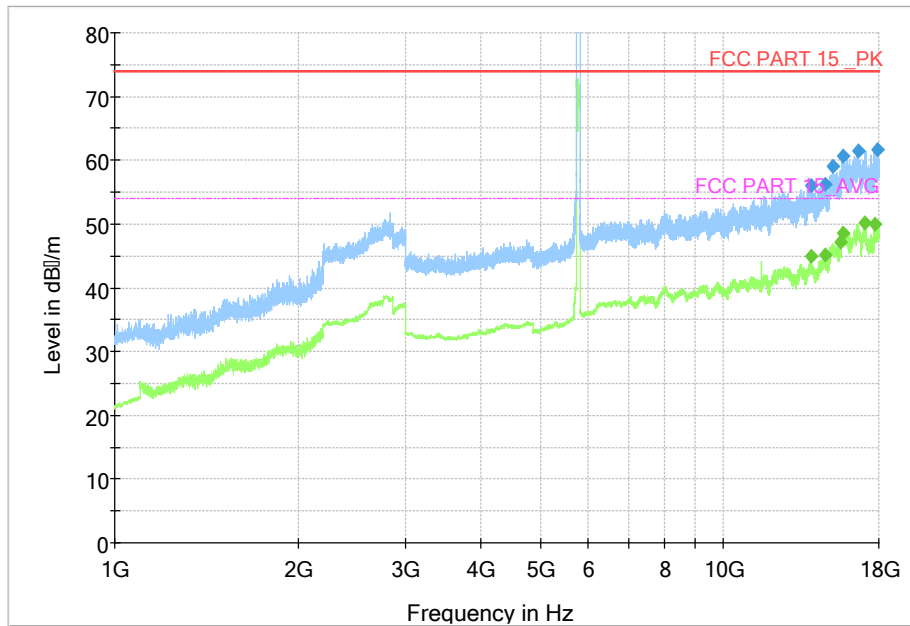


Fig. 117 Transmitter Spurious Emission (802. 11ac-VHT80, 5775MHz)

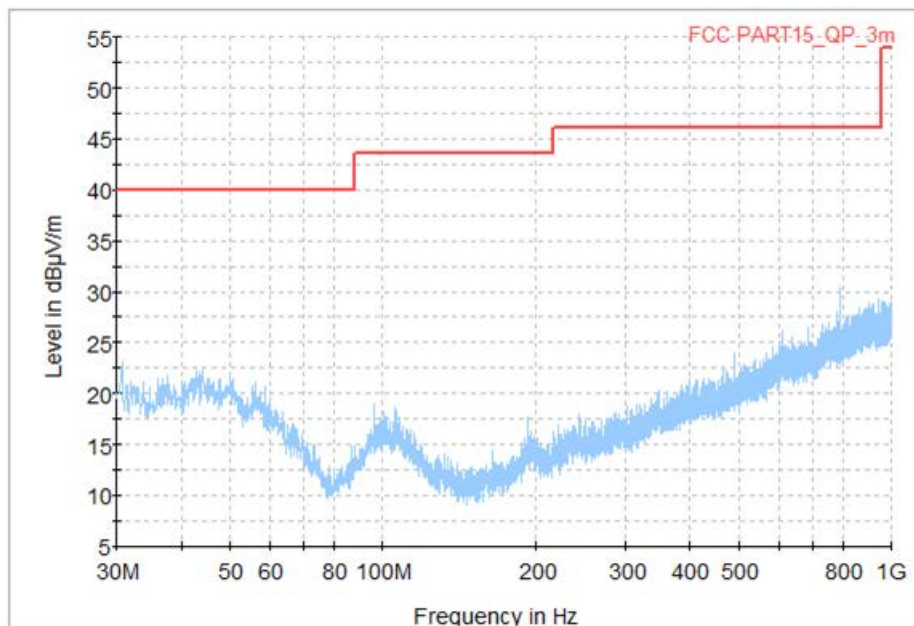


Fig. 118 Transmitter Spurious Emission (All channel, 30MHz~1GHz)

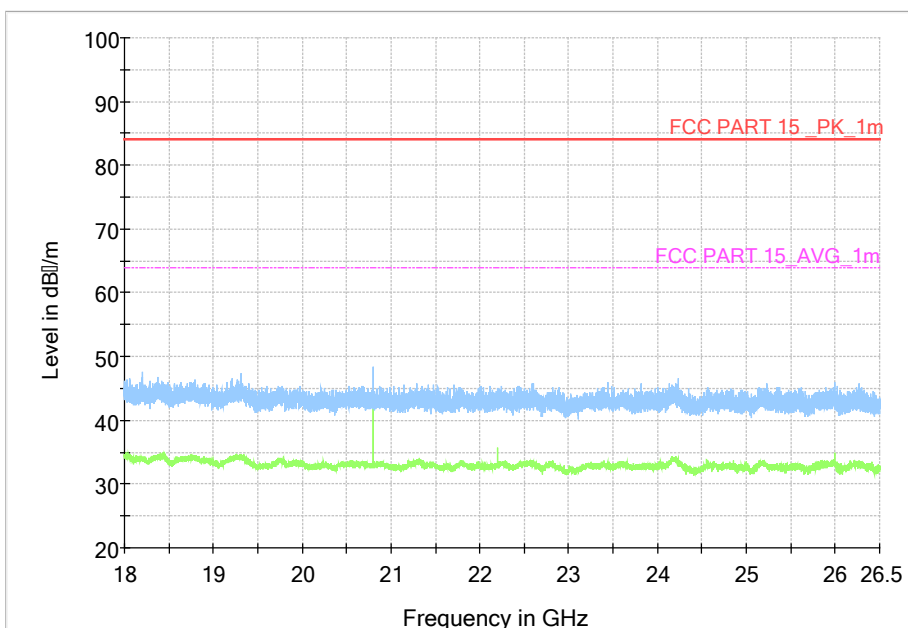


Fig. 119 Transmitter Spurious Emission (All channel, 18GHz~26.5GHz)

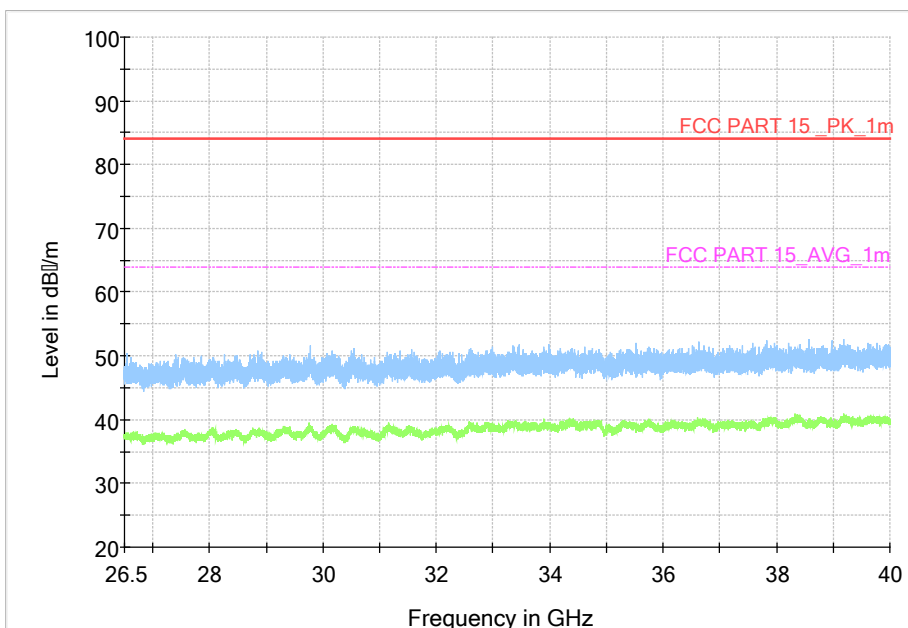


Fig. 120 Transmitter Spurious Emission (All channel, 26.5GHz~40GHz)

Worst Case Result

802.11a CH36

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12940.500000 | 56.13 | 74.00 | 17.87 | H | 20.0 |
| 14647.500000 | 56.55 | 74.00 | 17.45 | H | 20.6 |
| 15025.000000 | 55.97 | 74.00 | 18.03 | H | 20.0 |
| 15693.000000 | 57.01 | 74.00 | 16.99 | H | 21.3 |
| 16422.000000 | 58.01 | 74.00 | 15.99 | H | 21.7 |
| 17963.000000 | 56.41 | 74.00 | 17.59 | H | 23.3 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12887.000000 | 44.61 | 54.00 | 9.39 | H | 19.9 |
| 13946.500000 | 44.61 | 54.00 | 9.39 | H | 19.7 |
| 14657.000000 | 45.27 | 54.00 | 8.73 | H | 20.6 |
| 15656.000000 | 46.43 | 54.00 | 7.57 | H | 21.3 |
| 16593.000000 | 46.12 | 54.00 | 7.88 | H | 22.8 |
| 17691.000000 | 45.47 | 54.00 | 8.53 | H | 22.8 |

802.11a CH52

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12904.000000 | 55.86 | 74.00 | 18.14 | H | 20.0 |
| 13868.500000 | 56.21 | 74.00 | 17.79 | H | 19.6 |
| 14683.000000 | 56.72 | 74.00 | 17.28 | H | 20.7 |
| 15675.000000 | 57.48 | 74.00 | 16.52 | H | 21.3 |
| 16588.000000 | 57.03 | 74.00 | 16.97 | H | 22.8 |
| 17893.500000 | 56.46 | 74.00 | 17.54 | H | 23.9 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12904.500000 | 44.90 | 54.00 | 9.10 | H | 20.0 |
| 13939.000000 | 44.47 | 54.00 | 9.53 | H | 19.7 |
| 14676.500000 | 45.24 | 54.00 | 8.76 | H | 20.7 |
| 15657.000000 | 46.29 | 54.00 | 7.71 | H | 21.3 |
| 16640.500000 | 46.20 | 54.00 | 7.80 | H | 22.5 |
| 17690.000000 | 45.53 | 54.00 | 8.47 | H | 22.8 |

802.11a CH100

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 13399.000000 | 55.43 | 74.00 | 18.57 | H | 19.5 |
| 13897.000000 | 55.41 | 74.00 | 18.59 | H | 19.8 |
| 14673.000000 | 56.07 | 74.00 | 17.93 | H | 20.7 |
| 15634.000000 | 57.05 | 74.00 | 16.95 | H | 21.3 |
| 16643.500000 | 57.49 | 74.00 | 16.51 | H | 22.4 |
| 17707.000000 | 56.25 | 74.00 | 17.75 | H | 22.9 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12890.000000 | 44.75 | 54.00 | 9.25 | H | 19.9 |
| 13929.000000 | 44.47 | 54.00 | 9.53 | H | 19.7 |
| 14677.500000 | 45.08 | 54.00 | 8.92 | H | 20.7 |
| 15663.000000 | 46.30 | 54.00 | 7.70 | H | 21.3 |
| 16591.000000 | 46.04 | 54.00 | 7.96 | H | 22.8 |
| 17693.500000 | 45.08 | 54.00 | 8.92 | H | 22.9 |

802.11a CH157

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12454.500000 | 56.14 | 74.00 | 17.86 | H | 19.6 |
| 13379.500000 | 56.30 | 74.00 | 17.70 | H | 19.6 |
| 14668.000000 | 57.30 | 74.00 | 16.70 | H | 20.7 |
| 15731.000000 | 58.13 | 74.00 | 15.87 | H | 21.1 |
| 16710.500000 | 57.12 | 74.00 | 16.88 | H | 21.8 |
| 17698.000000 | 56.32 | 74.00 | 17.68 | H | 22.9 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12905.000000 | 44.57 | 54.00 | 9.43 | H | 20.0 |
| 13950.000000 | 44.30 | 54.00 | 9.70 | H | 19.7 |
| 14682.000000 | 45.32 | 54.00 | 8.68 | H | 20.7 |
| 15672.500000 | 46.36 | 54.00 | 7.64 | H | 21.3 |
| 16650.500000 | 46.22 | 54.00 | 7.78 | H | 22.3 |
| 17690.000000 | 45.37 | 54.00 | 8.63 | H | 22.8 |

802.11n HT40 CH38

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 13171.000000 | 55.72 | 74.00 | 18.28 | H | 20.1 |
| 13780.000000 | 55.67 | 74.00 | 18.33 | H | 19.3 |
| 14709.500000 | 56.70 | 74.00 | 17.30 | H | 20.7 |
| 15693.000000 | 57.10 | 74.00 | 16.90 | H | 21.3 |
| 16570.000000 | 57.53 | 74.00 | 16.47 | H | 22.6 |
| 17986.000000 | 57.23 | 74.00 | 16.77 | H | 23.1 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12899.000000 | 44.73 | 54.00 | 9.27 | H | 20.0 |
| 13977.000000 | 44.28 | 54.00 | 9.72 | H | 19.6 |
| 14675.000000 | 45.15 | 54.00 | 8.85 | H | 20.7 |
| 15655.500000 | 46.65 | 54.00 | 7.35 | H | 21.3 |
| 16627.000000 | 46.09 | 54.00 | 7.91 | H | 22.6 |
| 17701.500000 | 45.30 | 54.00 | 8.70 | H | 22.9 |

802.11n HT40 CH62

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12899.000000 | 44.73 | 54.00 | 9.27 | H | 20.0 |
| 13977.000000 | 44.28 | 54.00 | 9.72 | H | 19.6 |
| 14675.000000 | 45.15 | 54.00 | 8.85 | H | 20.7 |
| 15655.500000 | 46.65 | 54.00 | 7.35 | H | 21.3 |
| 16627.000000 | 46.09 | 54.00 | 7.91 | H | 22.6 |
| 17701.500000 | 45.30 | 54.00 | 8.70 | H | 22.9 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12890.500000 | 44.68 | 54.00 | 9.32 | H | 19.9 |
| 13980.500000 | 44.27 | 54.00 | 9.73 | H | 19.6 |
| 14563.000000 | 45.29 | 54.00 | 8.71 | H | 20.4 |
| 15649.500000 | 46.42 | 54.00 | 7.58 | H | 21.3 |
| 16591.500000 | 46.20 | 54.00 | 7.80 | H | 22.8 |
| 17697.000000 | 45.43 | 54.00 | 8.57 | H | 22.9 |

802.11n HT40 CH110

| Frequency (MHz) | Max Peak (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------------|----------------------|-------------|-----|------------|
| 12890.500000 | 44.68 | 54.00 | 9.32 | H | 19.9 |
| 13980.500000 | 44.27 | 54.00 | 9.73 | H | 19.6 |
| 14563.000000 | 45.29 | 54.00 | 8.71 | H | 20.4 |
| 15649.500000 | 46.42 | 54.00 | 7.58 | H | 21.3 |
| 16591.500000 | 46.20 | 54.00 | 7.80 | H | 22.8 |
| 17697.000000 | 45.43 | 54.00 | 8.57 | H | 22.9 |

| Frequency (MHz) | Max Peak (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------------|----------------------|-------------|-----|------------|
| 12887.500000 | 44.86 | 54.00 | 9.14 | H | 19.9 |
| 13953.500000 | 44.37 | 54.00 | 9.63 | H | 19.7 |
| 14532.000000 | 45.14 | 54.00 | 8.86 | H | 20.3 |
| 15672.500000 | 46.50 | 54.00 | 7.50 | H | 21.3 |
| 16631.500000 | 45.96 | 54.00 | 8.04 | H | 22.6 |
| 17683.500000 | 45.18 | 54.00 | 8.82 | H | 22.7 |

802.11n HT40 CH151

| Frequency (MHz) | Max Peak (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------------|----------------------|-------------|-----|------------|
| 12852.000000 | 56.42 | 74.00 | 17.58 | H | 19.7 |
| 13760.000000 | 56.51 | 74.00 | 17.49 | H | 19.3 |
| 14541.000000 | 57.24 | 74.00 | 16.76 | H | 20.4 |
| 15628.500000 | 58.94 | 74.00 | 15.06 | H | 21.3 |
| 16684.000000 | 59.45 | 74.00 | 14.55 | H | 22.0 |
| 17888.500000 | 57.48 | 74.00 | 16.52 | H | 23.9 |

| Frequency (MHz) | Max Peak (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------------|----------------------|-------------|-----|------------|
| 12887.500000 | 44.98 | 54.00 | 9.02 | H | 19.9 |
| 14015.500000 | 45.17 | 54.00 | 8.83 | H | 19.5 |
| 14558.000000 | 46.46 | 54.00 | 7.54 | H | 20.4 |
| 15667.500000 | 47.36 | 54.00 | 6.64 | H | 21.3 |
| 16651.000000 | 47.34 | 54.00 | 6.66 | H | 22.3 |
| 17879.000000 | 46.52 | 54.00 | 7.48 | H | 23.7 |

802.11ac VHT80 CH42

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12887.500000 | 44.98 | 54.00 | 9.02 | H | 19.9 |
| 14015.500000 | 45.17 | 54.00 | 8.83 | H | 19.5 |
| 14558.000000 | 46.46 | 54.00 | 7.54 | H | 20.4 |
| 15667.500000 | 47.36 | 54.00 | 6.64 | H | 21.3 |
| 16651.000000 | 47.34 | 54.00 | 6.66 | H | 22.3 |
| 17879.000000 | 46.52 | 54.00 | 7.48 | H | 23.7 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12889.000000 | 44.70 | 54.00 | 9.30 | H | 19.9 |
| 13964.500000 | 44.60 | 54.00 | 9.40 | H | 19.6 |
| 14573.500000 | 45.74 | 54.00 | 8.26 | H | 20.5 |
| 15657.000000 | 46.69 | 54.00 | 7.31 | H | 21.3 |
| 16641.000000 | 46.51 | 54.00 | 7.49 | H | 22.4 |
| 17683.500000 | 45.63 | 54.00 | 8.37 | H | 22.7 |

802.11ac VHT80 CH106

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 13438.000000 | 55.63 | 74.00 | 18.37 | H | 19.4 |
| 13984.500000 | 55.72 | 74.00 | 18.28 | H | 19.6 |
| 14556.500000 | 57.23 | 74.00 | 16.77 | H | 20.4 |
| 15644.000000 | 58.28 | 74.00 | 15.72 | H | 21.3 |
| 16614.500000 | 57.94 | 74.00 | 16.06 | H | 22.7 |
| 17894.500000 | 57.21 | 74.00 | 16.79 | H | 23.9 |

| Frequency (MHz) | Max Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB) |
|-----------------|-------------------|----------------|-------------|-----|------------|
| 12900.000000 | 44.72 | 54.00 | 9.28 | H | 20.0 |
| 13951.000000 | 44.59 | 54.00 | 9.41 | H | 19.7 |
| 14692.500000 | 45.57 | 54.00 | 8.43 | H | 20.7 |
| 15672.500000 | 46.88 | 54.00 | 7.12 | H | 21.3 |
| 16648.500000 | 46.40 | 54.00 | 7.60 | H | 22.4 |
| 17704.000000 | 45.64 | 54.00 | 8.36 | H | 22.9 |

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

A.9. Radiated Spurious Emissions < 30MHz

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

| Frequency (MHz) | Field strength ($\mu\text{V/m}$) | Measurement distance (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.121 | P |

Conclusion: PASS

Test graphs as below:

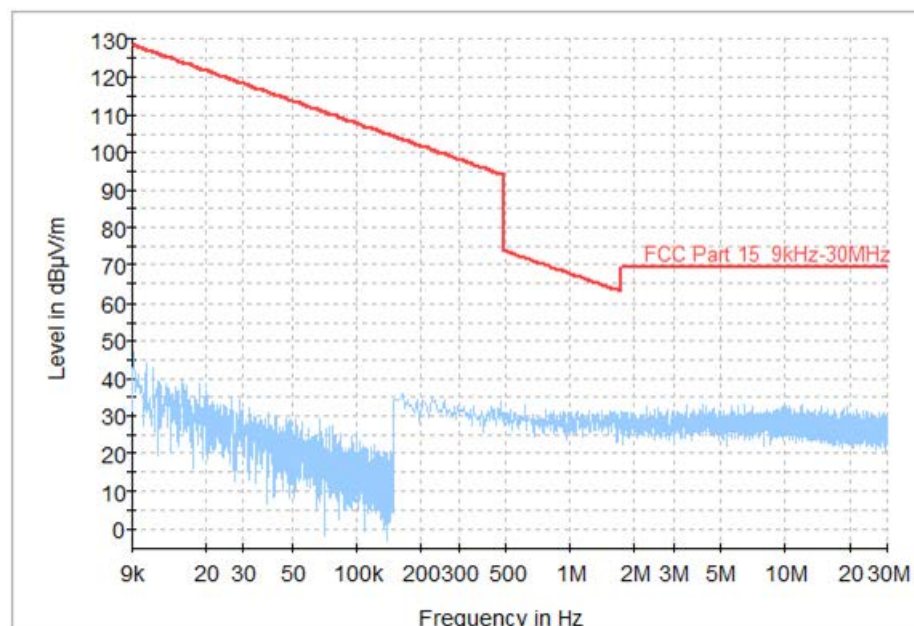


Fig. 121 Radiated Spurious Emission (All Channel, 9 kHz ~30 MHz)

A.10. AC Power Line Conducted Emission

Test Condition:

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

Measurement Result and limit:

RLAN (Quasi-peak Limit)-AE1

| Frequency range (MHz) | Quasi-peak Limit (dB μ V) | Result (dB μ V) | | Conclusion |
|-----------------------|-------------------------------|---------------------|---------|------------|
| | | Traffic | Idle | |
| 0.15 to 0.5 | 66 to 56 | Fig.122 | Fig.123 | P |
| 0.5 to 5 | 56 | | | |
| 5 to 30 | 60 | | | |

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

RLAN (Average Limit)-AE1

| Frequency range (MHz) | Average-peak Limit (dB μ V) | Result (dB μ V) | | Conclusion |
|-----------------------|---------------------------------|---------------------|---------|------------|
| | | Traffic | Idle | |
| 0.15 to 0.5 | 56 to 46 | Fig 122 | Fig 123 | P |
| 0.5 to 5 | 46 | | | |
| 5 to 30 | 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.

Conclusion: PASS

Test graphs as below: