

4.8.5.7 Sample #2. Mode 1.All U-NII Bands/All modulation/All channel¹. Frequency range: 9 kHz – 30 MHz

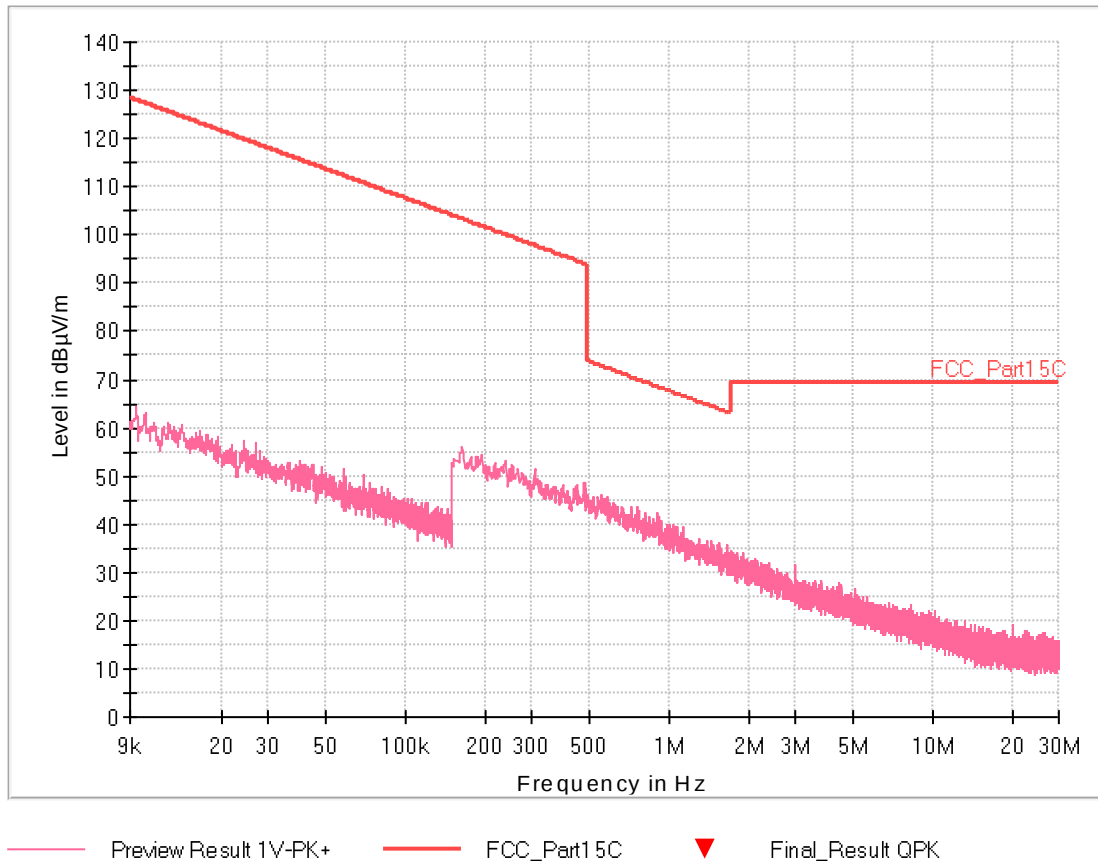


Fig. 249: All U-NII Bands/All Modulation/All Channel. Frequency range: 9 kHz – 30 MHz – Axis X
FINAL MEASUREMENTS

No spurious detected. All emissions are below of the QPK limit

Note ¹: This frequency range has been measured in different channels and modulations for the all WiFi 5G U-NII bands supported by the equipment and the results obtained are very similar between them. Therefore, the radiated emissions in this frequency range do not depend on the channel and modulation configured
The above graph is taken as the most representative result.

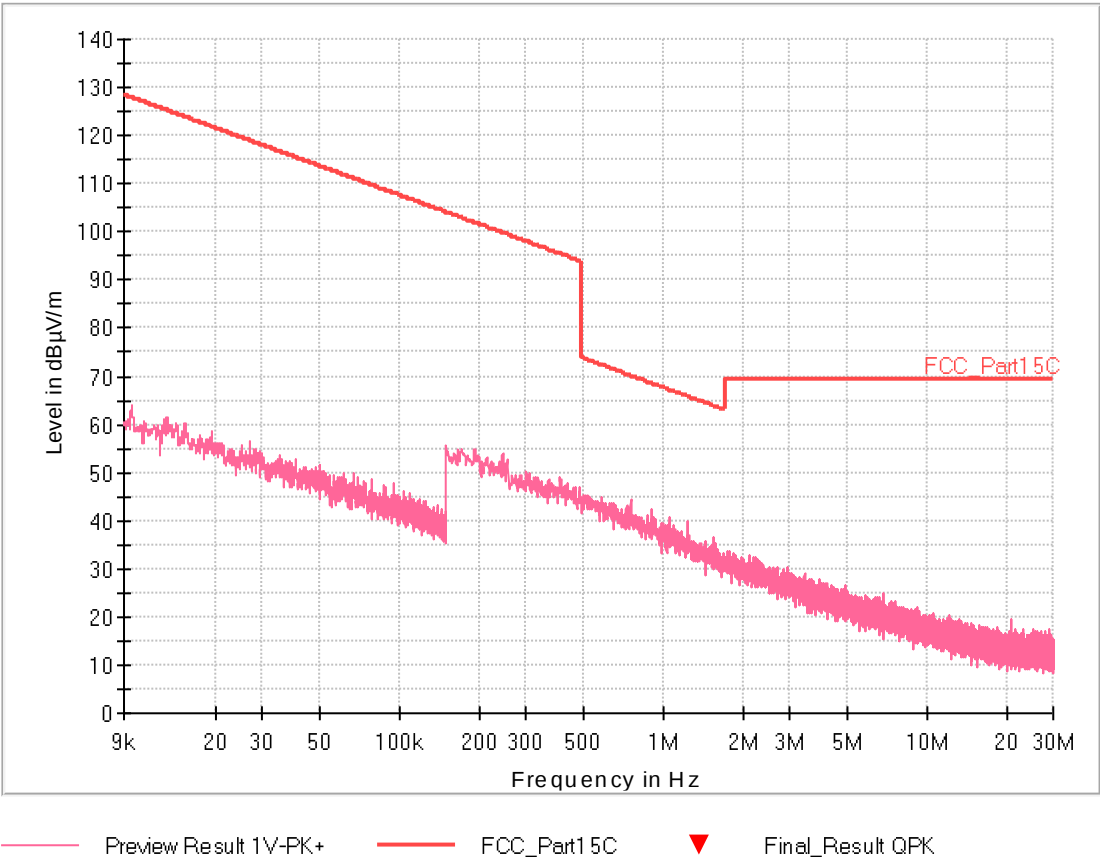
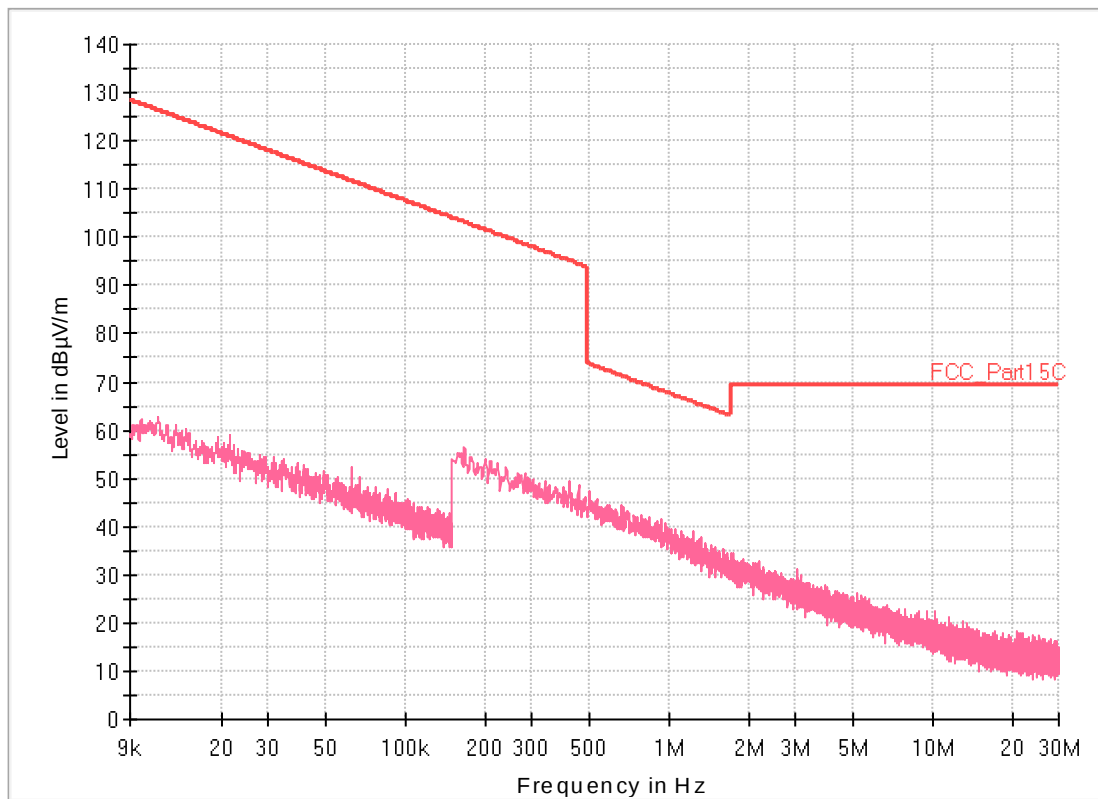


Fig. 250: All Mode – All Channel. Frequency range: 9 kHz – 30 MHz – Axis Y
FINAL MEASUREMENTS

No spurious detected. All emissions are below of the QPK limit

Note 4: This frequency range has been measured in different channels and modulations for the all WiFi 5G U-NNI bands supported by the equipment and the results obtained are very similar between them. Therefore, the radiated emissions in this frequency range do not depend on the channel and modulation configured
The above graph is taken as the most representative result.



Preview Result 1V-PK+ FCC_Part15C ▼ Final_Result QPK

Fig. 251: All Modulations – All Channel. Frequency range: 9 kHz – 30 MHz – Axis Z
FINAL MEASUREMENTS

No spurious detected. All emissions are below of the QPK limit

Note 1: This frequency range has been measured in different channels and modulations for the all WiFi 5G U-NNI bands supported by the equipment and the results obtained are very similar between them. Therefore, the radiated emissions in this frequency range do not depend on the channel and modulation configured
The above graph is taken as the most representative result.

4.8.5.8 Sample #2. Mode 1. All U-NII Bands/All modulation/All channel¹. Frequency range: 30 MHz – 1 GHz

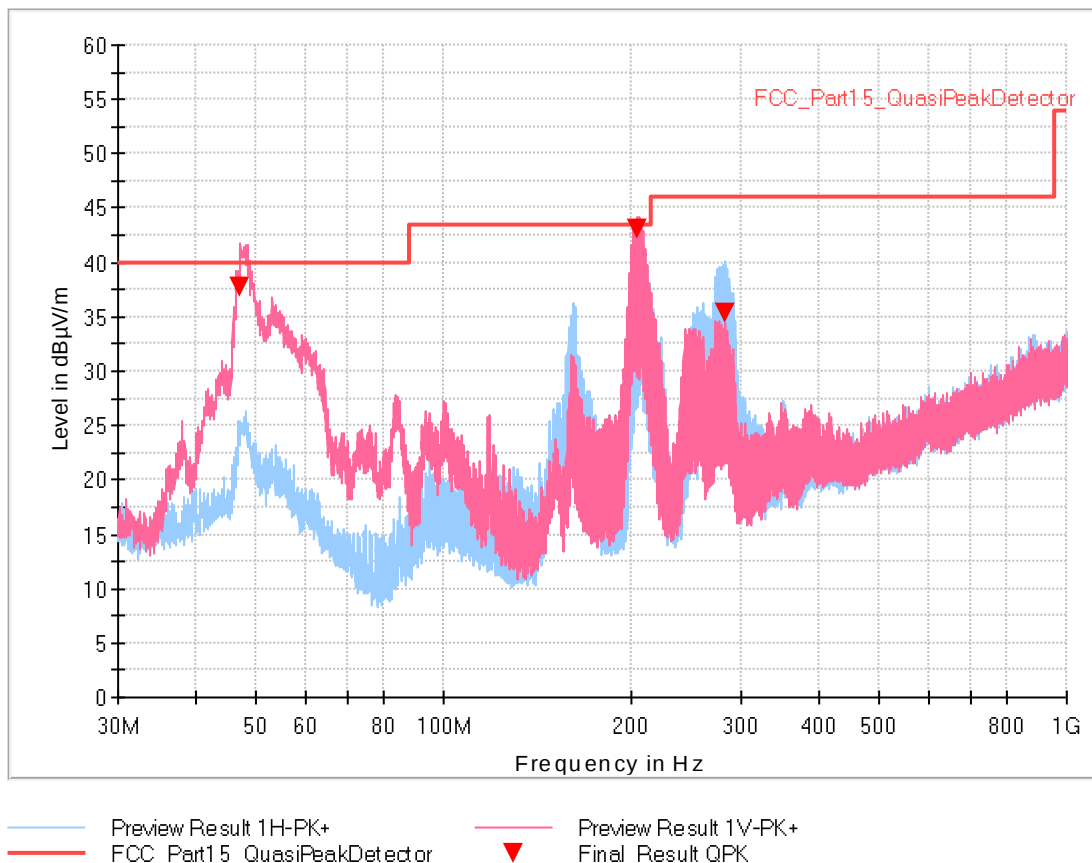


Fig. 252: All U-NII Bands/All Modulation/All Channel. Frequency range: 30 MHz – 1GHz

FINAL MEASUREMENTS							
Frequency [MHz]	QuasiPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
47.230	37.7	40.0	2.3	110.0	V	0.0	18.0
204.570	43.0	43.5	0.5	100.0	V	50.0	15.5

Table 61: All Mode/All Channel. Frequency range: 30 MHz – 1 GHz

Note ¹: This frequency range has been measured in different channels and modulations and the results obtained are very similar between them. Therefore, the radiated emissions in this frequency range do not depend on the channel and modulation configured. The above graph is taken as the most representative result.

4.8.5.9 Sample #2. Mode 1. U-NII-1.Modulation A20. Frequency range: 1 GHz – 8 GHz

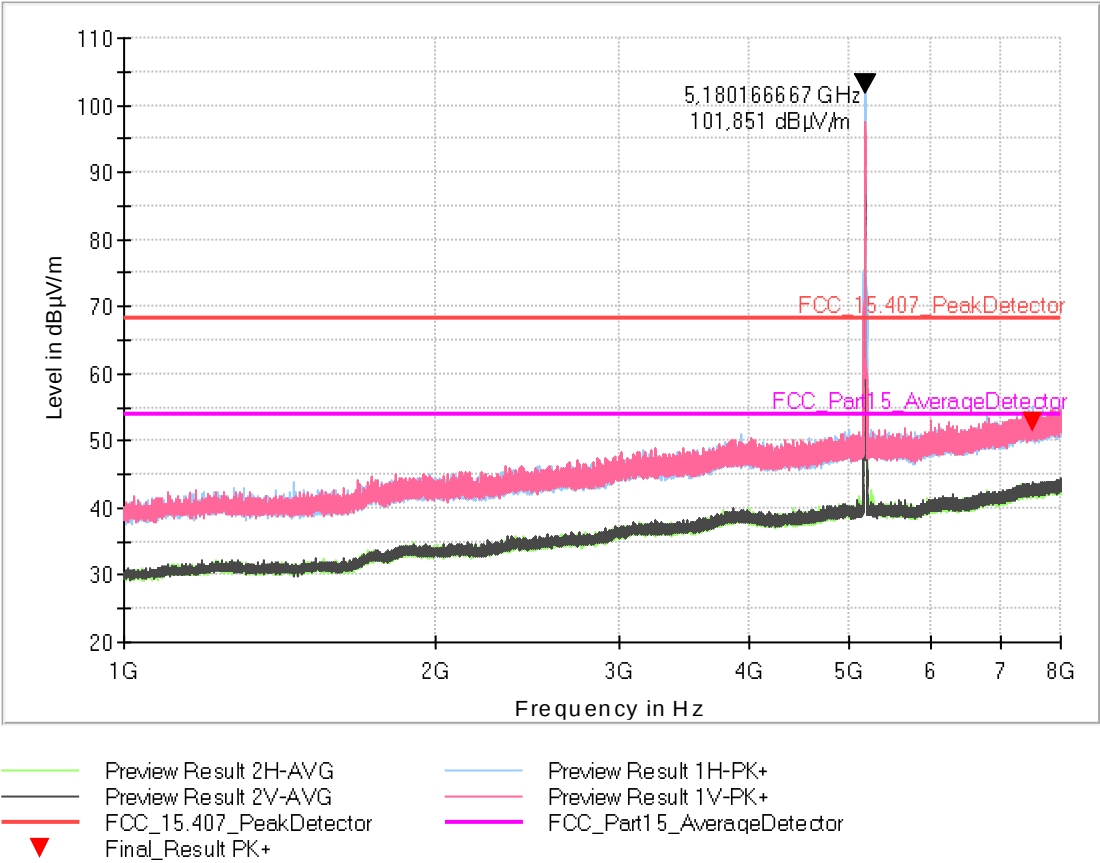


Fig. 253: Low Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7502.700 ¹	52.7	68.23	15.5	341.0	H	280.0	10.2

Table 62: Low Channel. Frequency range: 1 GHz – 8 GHz

The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

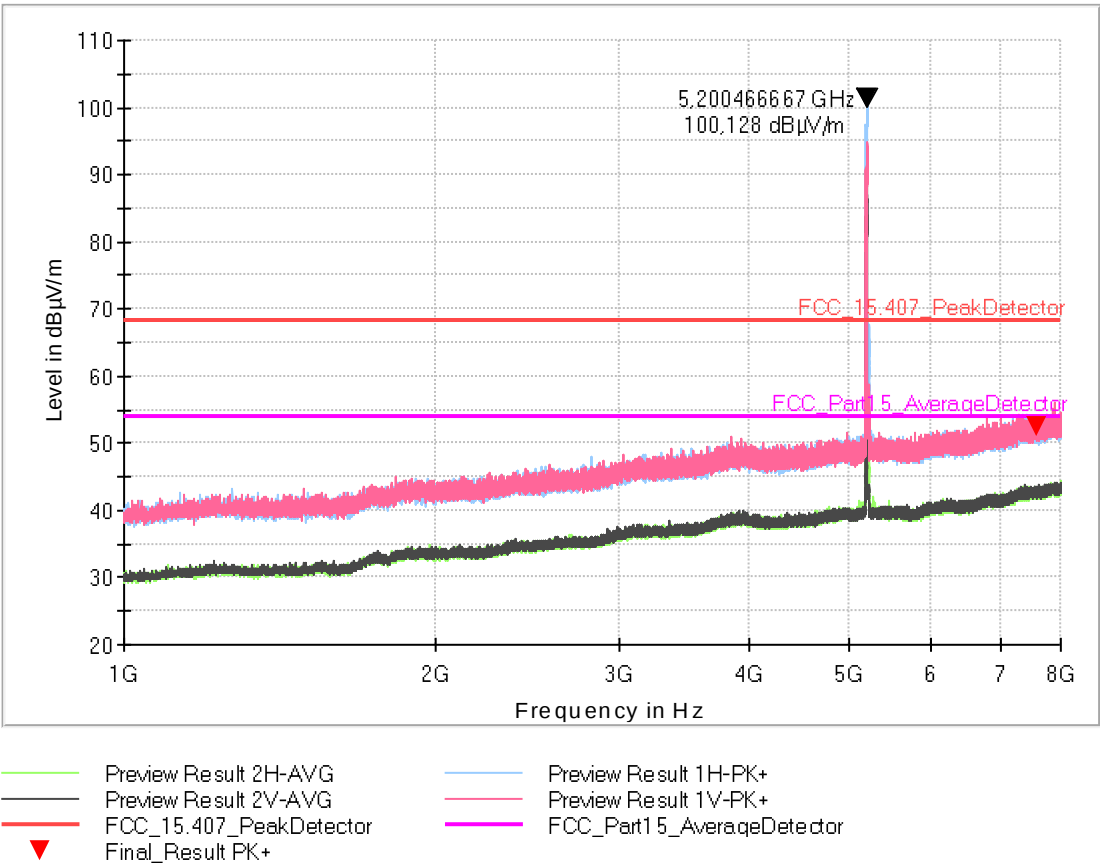


Fig. 254: Middle Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7594.470 ¹	52.6	68.23	15.6	314.0	V	63.0	10.3

Table 63: Middle Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

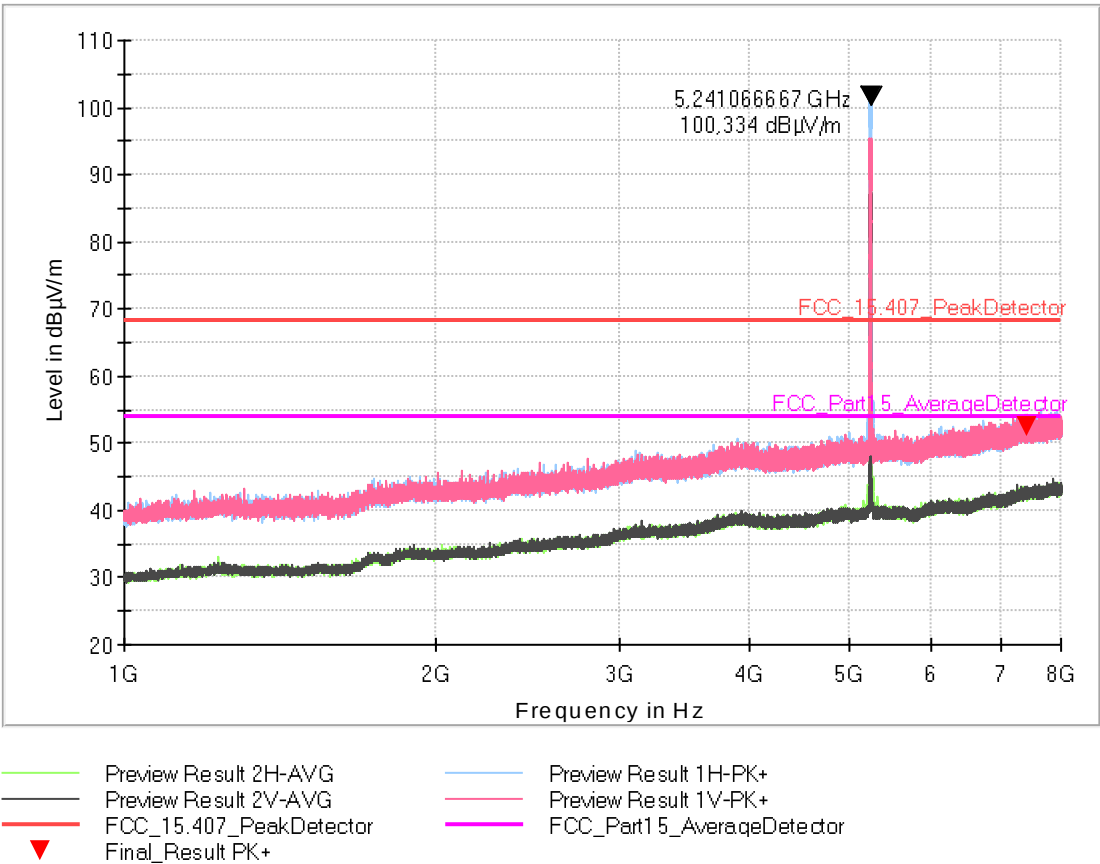


Fig. 255: High Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7418.530 ¹	52.4	68.23	15.8	350.0	V	71.0	10.2

Table 64: High Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.10 Sample #2. Mode 1. U-NII-1.Modulation A20. Frequency range: 8 GHz – 18 GHz

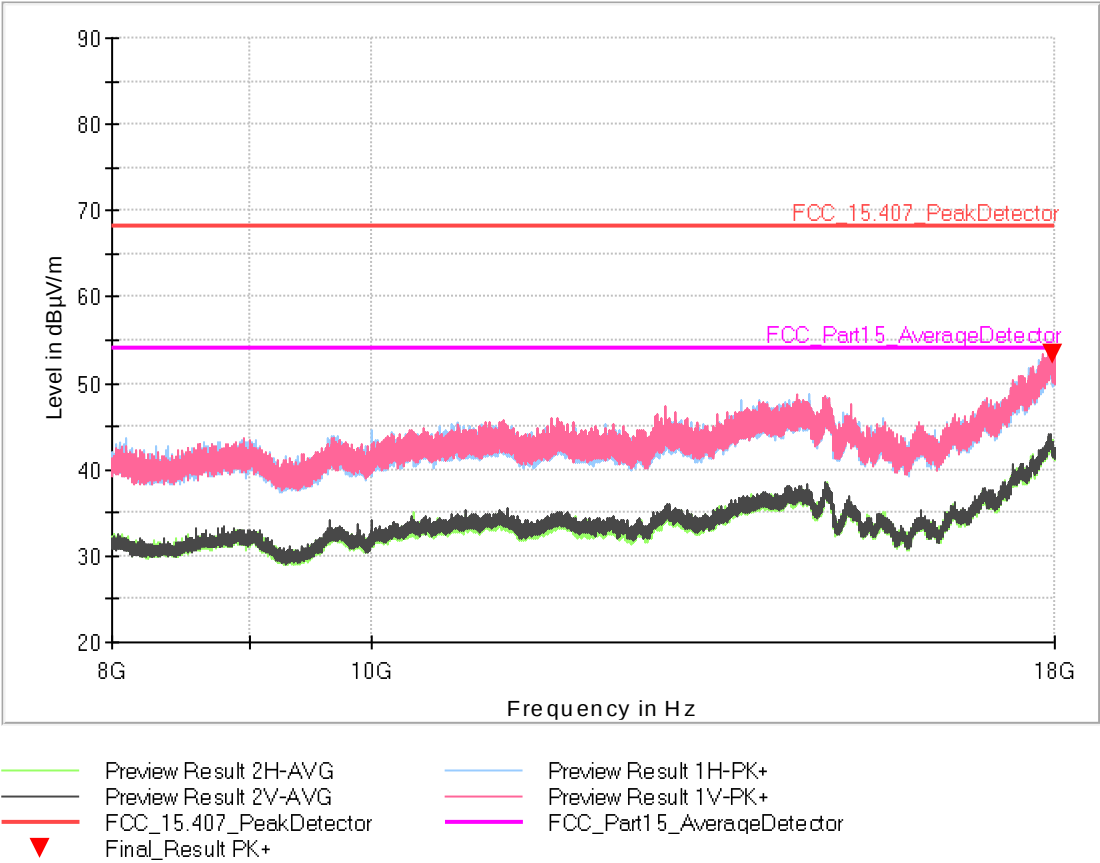


Fig. 256: Low Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17962.330 ¹	53.3	68.23	14.9	137.0	V	312.0	6.8

Table 65: Low Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

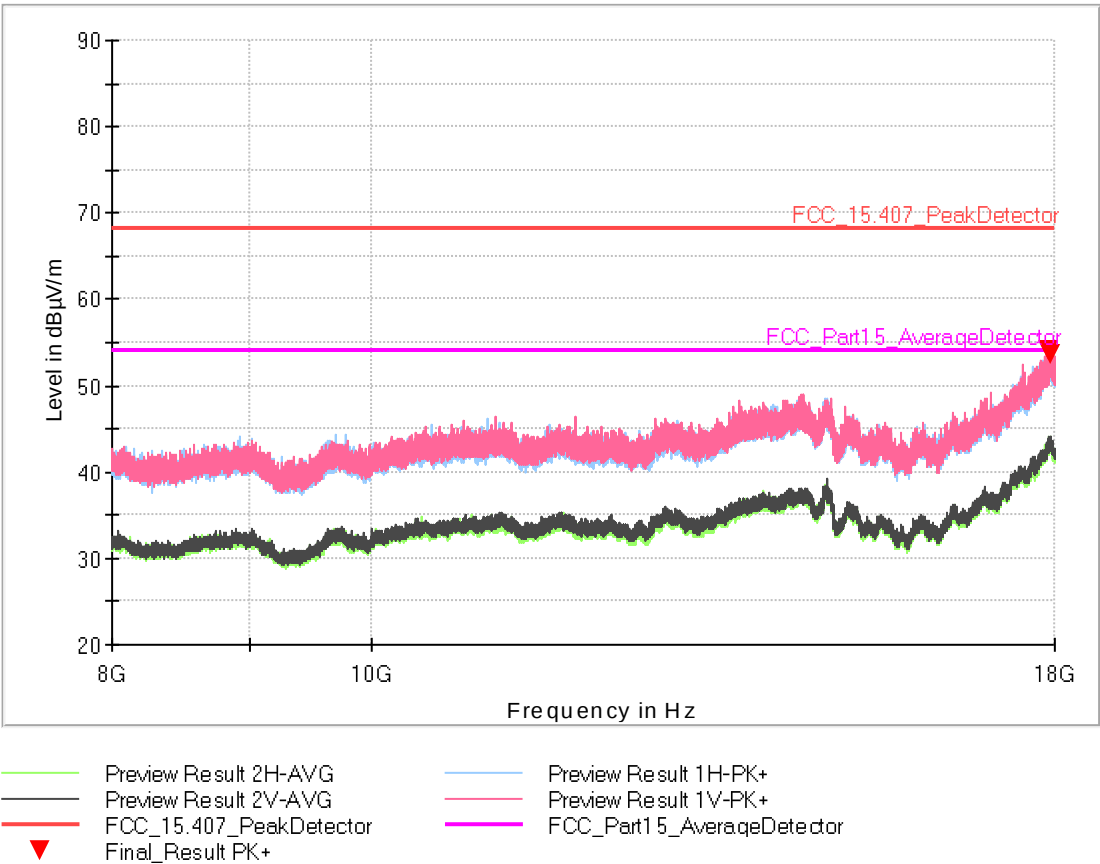


Fig. 257: Middle Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17915.330 ¹	54.0	68.23	14.2	189.0	V	0.0	6.5

Table 66: Middle Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

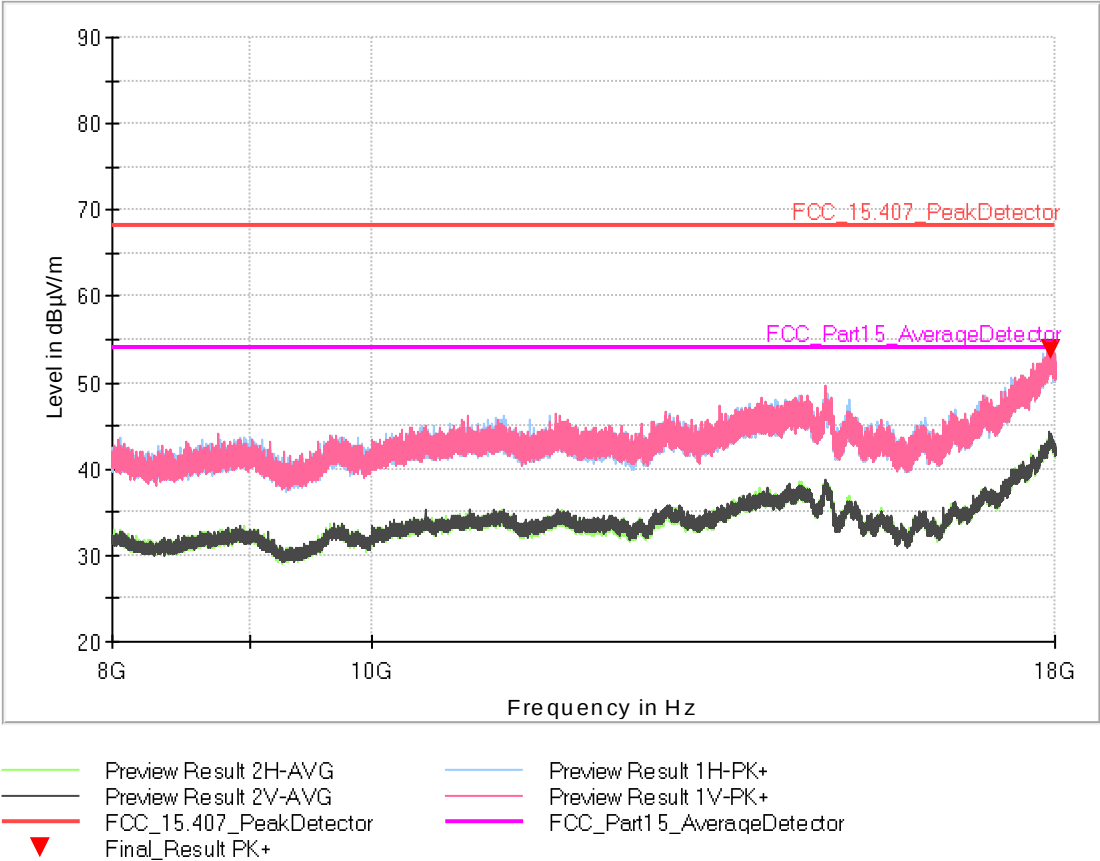


Fig. 258: High Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17931.670 ¹	53.8	68.23	14.4	208.0	V	236.0	6.6

Table 67: High Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.11 Sample #2. Mode 1. U-NII-1.Modulation N20. Frequency range: 1 GHz – 8 GHz

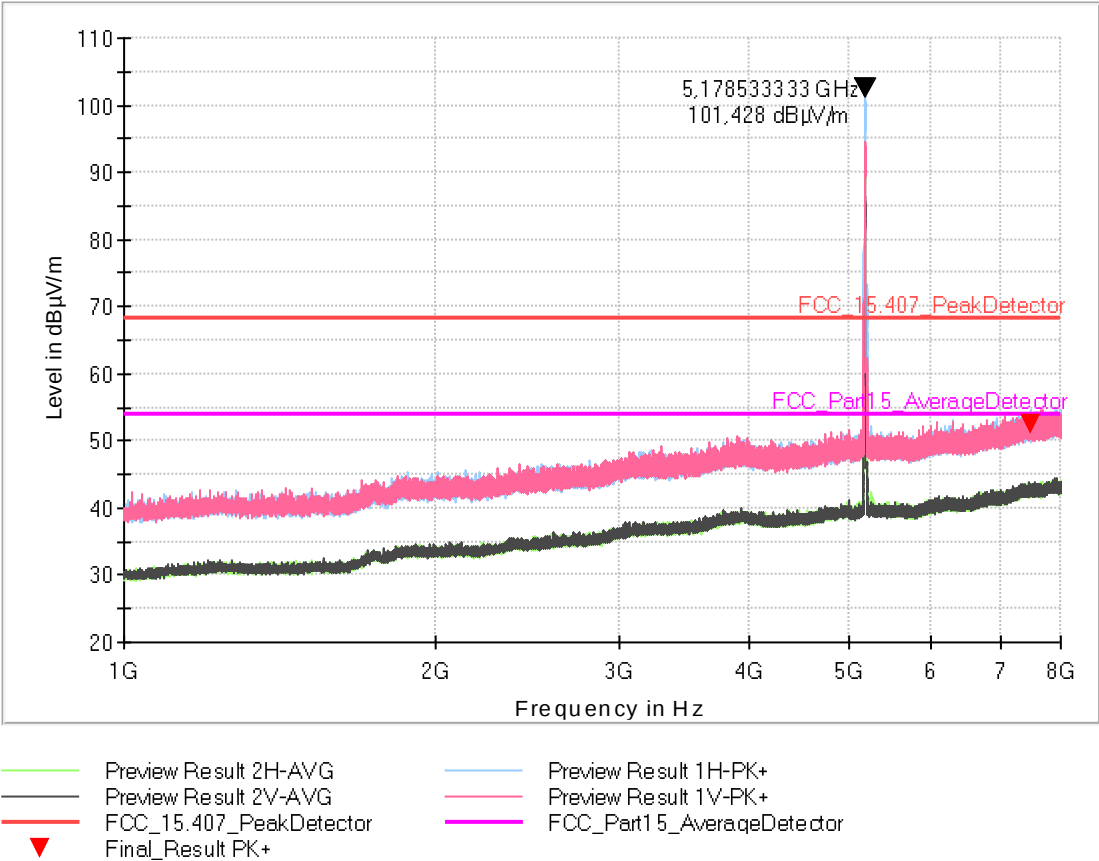


Fig. 259: Low Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7496.470 ¹	52.6	68.23	15.6	254.0	H	337.0	10.2

Table 68: Low Channel. Frequency range: 1 GHz – 8 GHz

The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

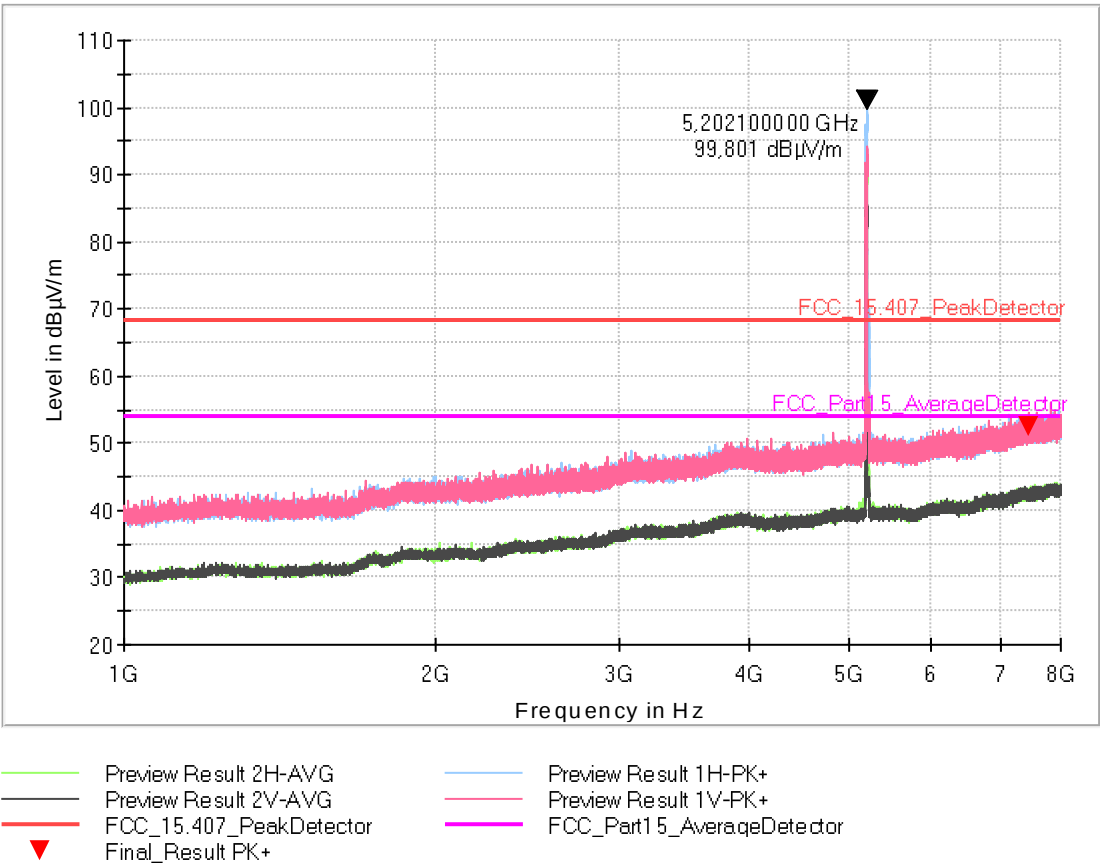


Fig. 260: Middle Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7438.600 ¹	52.5	68.23	15.7	280.0	V	234.0	10.2

Table 69: Middle Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

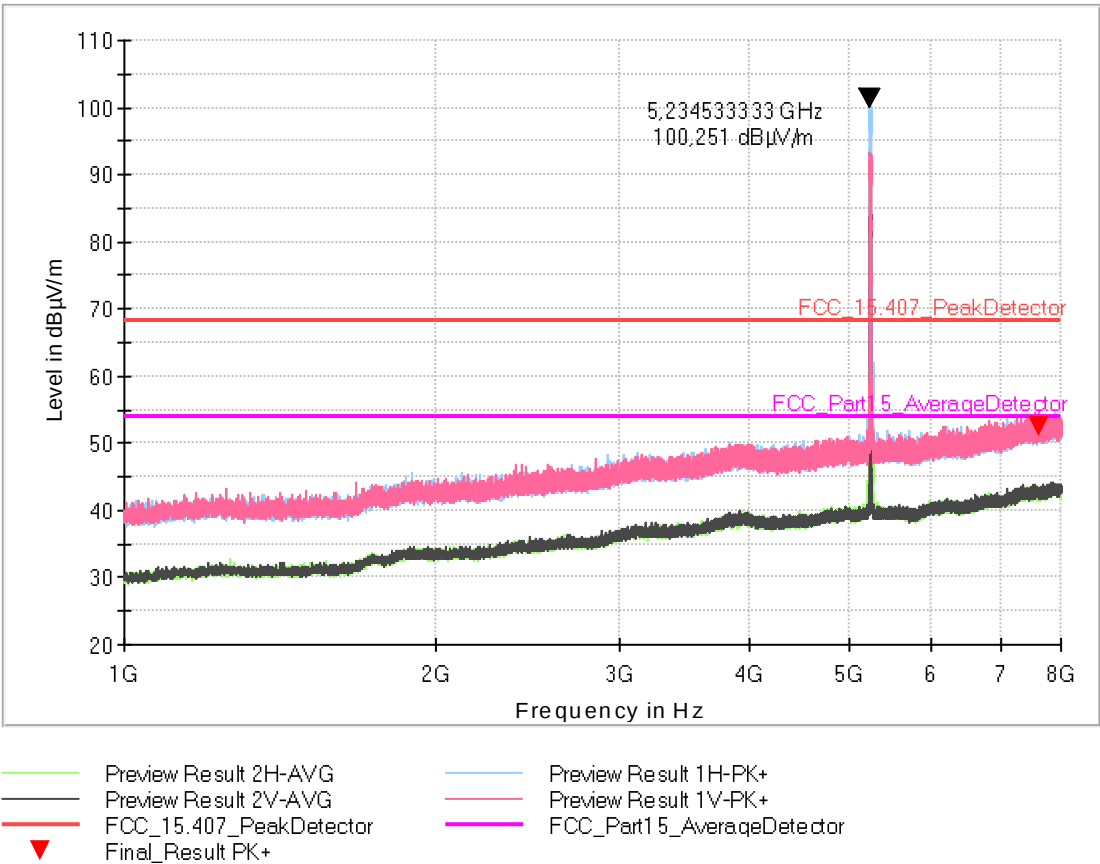


Fig. 261: High Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7608.700 ¹	52.4	68.23	15.8	287.0	V	231.0	10.2

Table 70: High Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.12 Sample #2. Mode 1. U-NII-1.Modulation N20. Frequency range: 8 GHz – 18 GHz

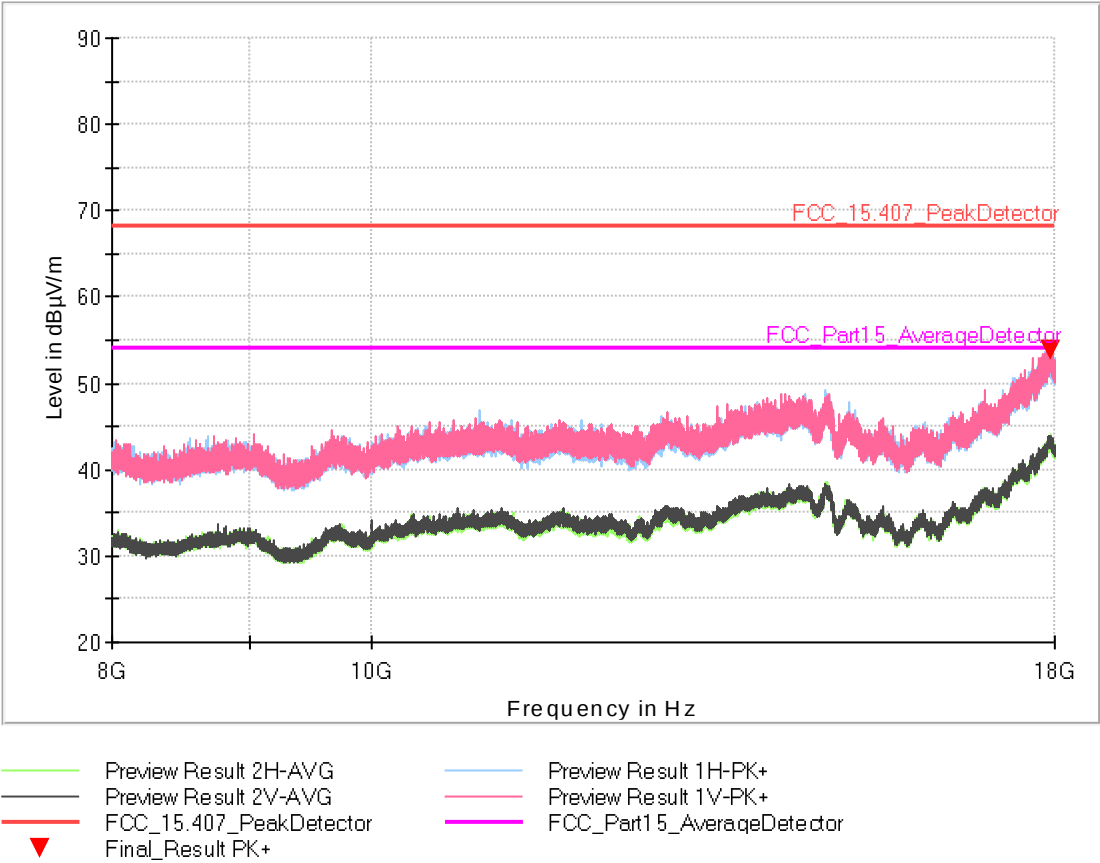


Fig. 262: Low Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17938.330 ¹	53.8	68.23	14.4	266.0	V	59.0	6.7

Table 71: Low Channel. Frequency range: 8 GHz – 18 GHz

Note 1: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

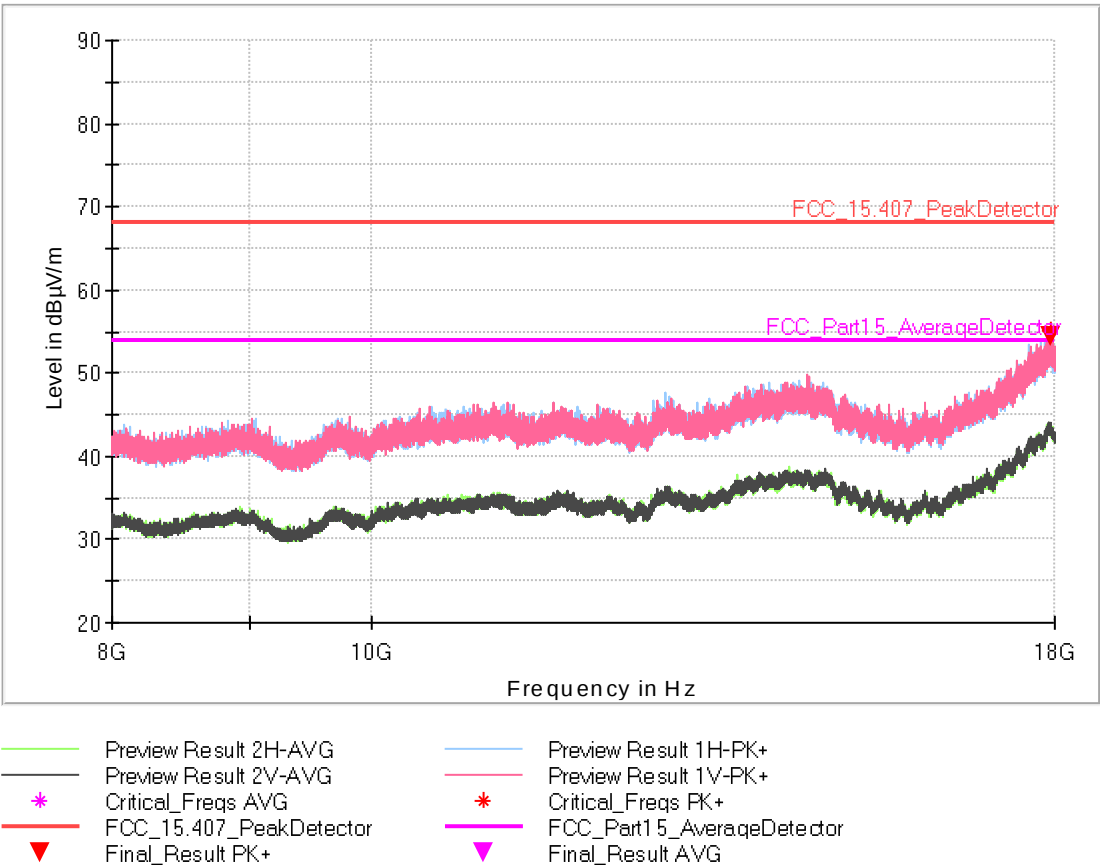


Fig. 263: Middle Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17936.670 ¹	54.4	68.23	13.8	314.0	H	226.0	6.6

Table 72: Middle Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

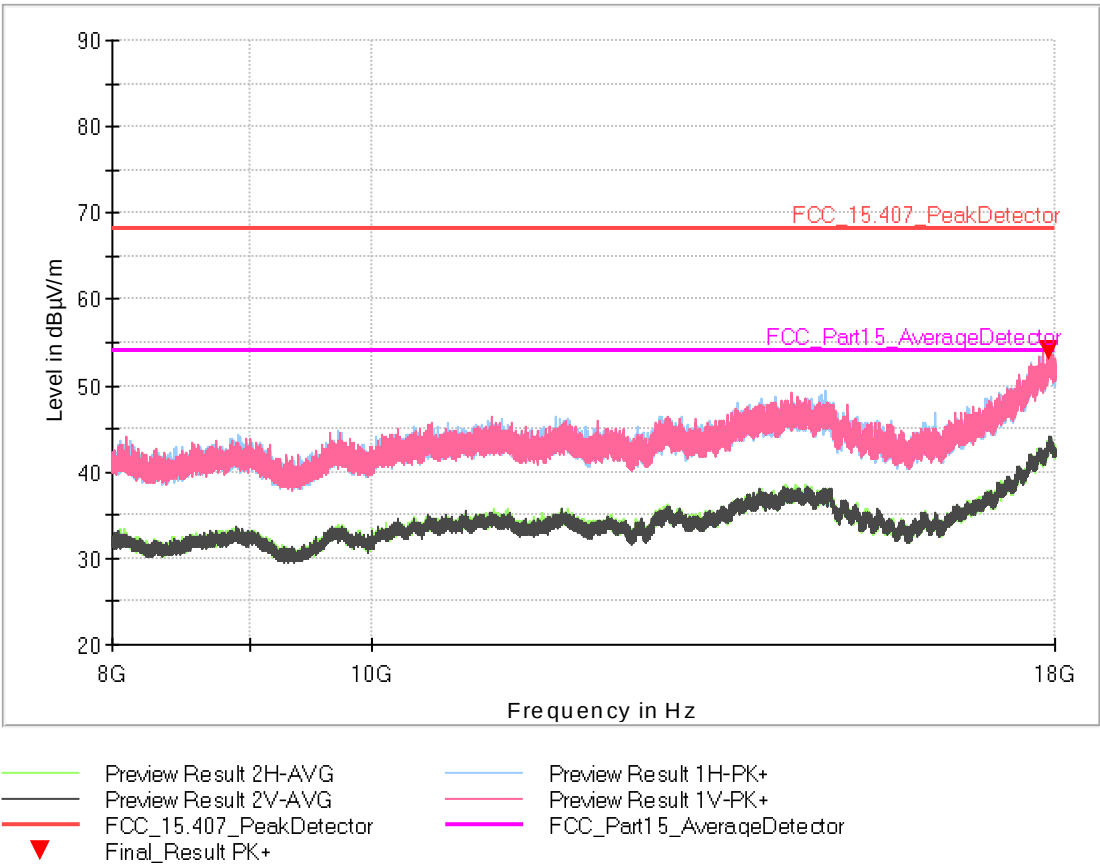


Fig. 264: High Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17906.330 ¹	53.9	68.23	14.3	341.0	H	2.0	6.4

Table 73: High Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.13 Sample #2. Mode 1. U-NII-1.Modulation AC20. Frequency range: 1 GHz – 8 GHz

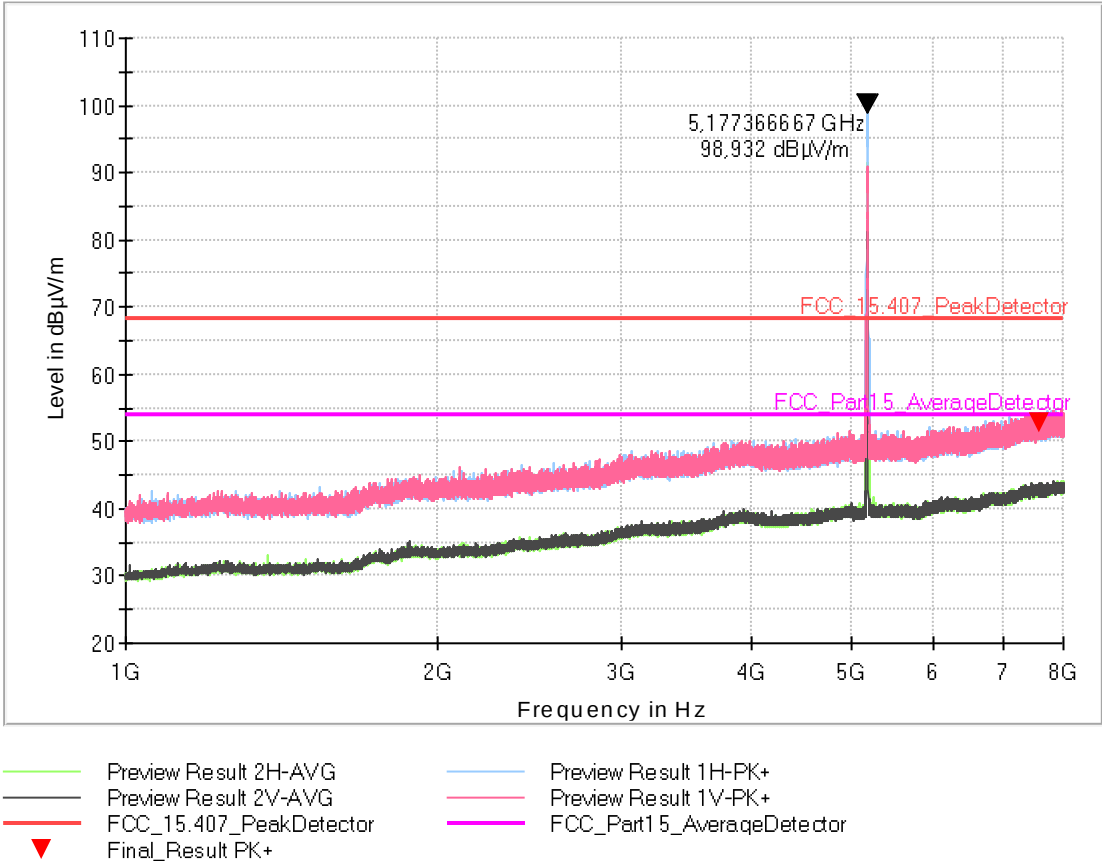


Fig. 265: Low Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7601.700 ¹	52.8	68.23	15.4	258.0	V	221.0	10.3

Table 74: Low Channel. Frequency range: 1 GHz – 8 GHz

The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

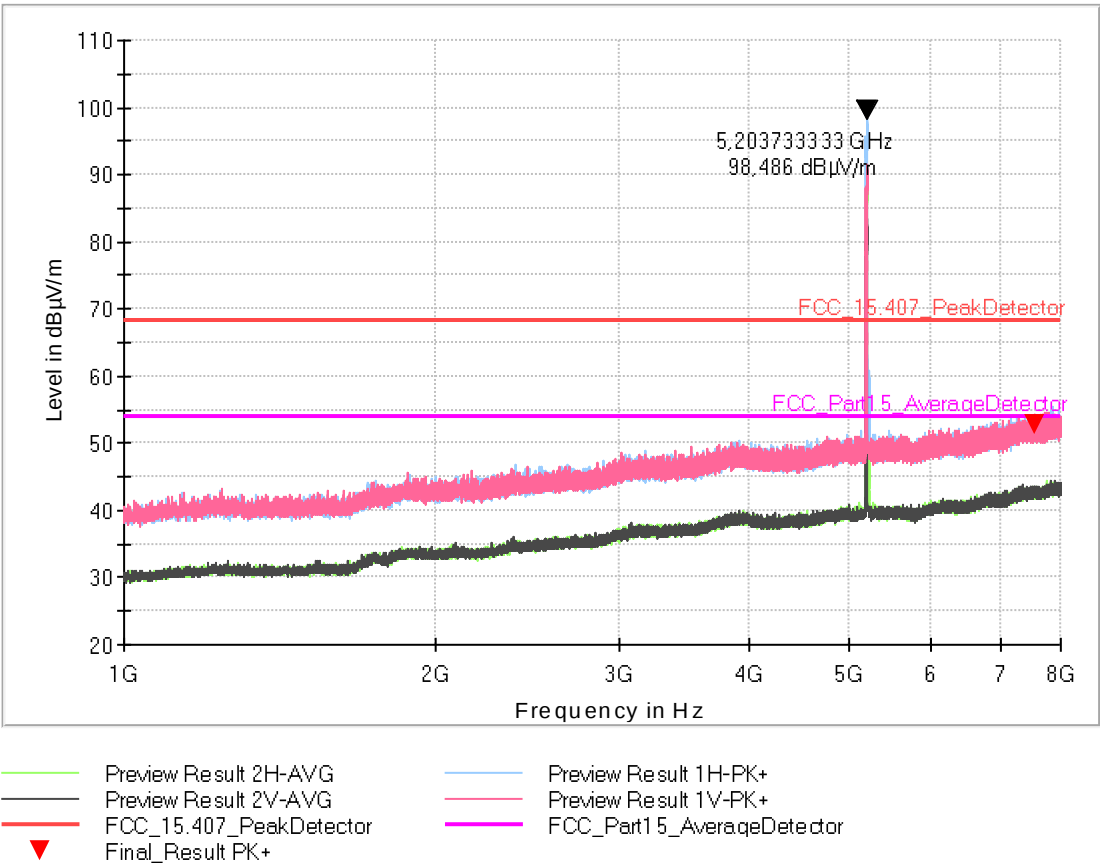


Fig. 266: Middle Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7552.930 ¹	52.8	68.23	15.4	215.0	V	0.0	10.3

Table 75: Middle Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

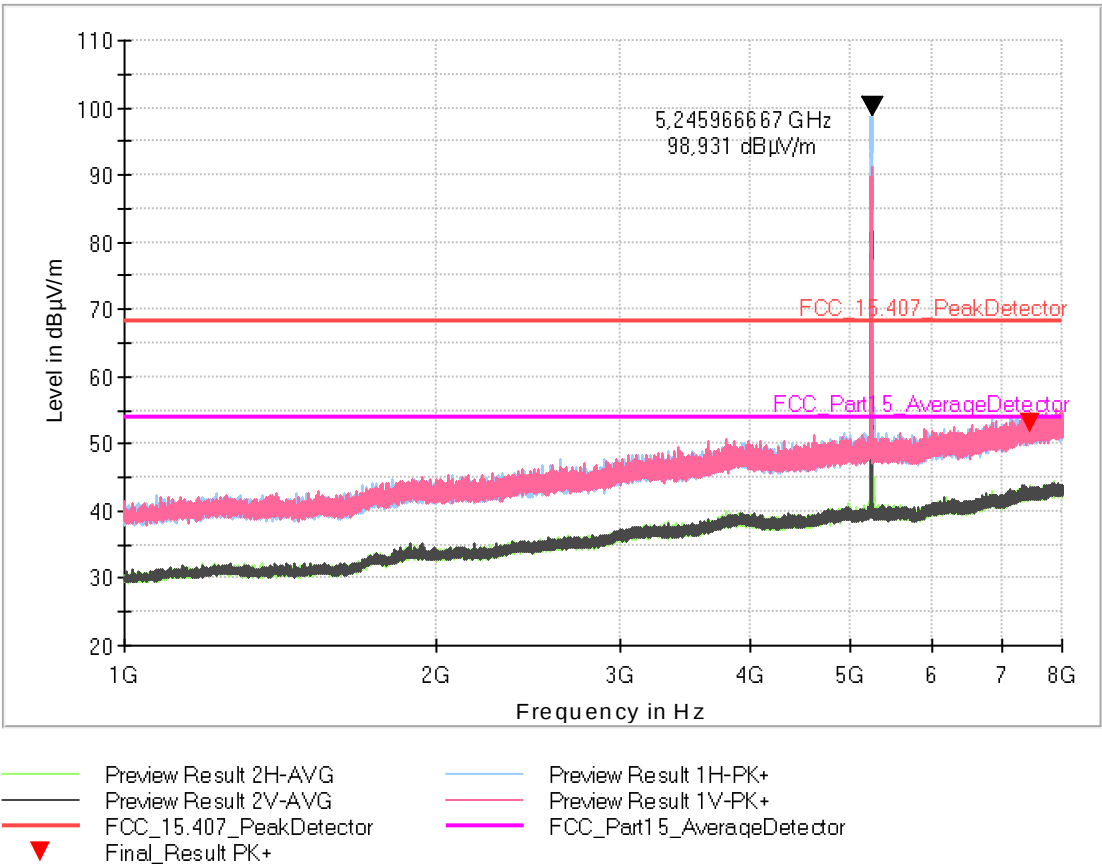


Fig. 267: High Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7466.830 ¹	552.9	68.23	15.2	174.0	V	348.0	10.2

Table 76: High Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.14 Sample #2. Mode 1. U-NII-1.Modulation AC20. Frequency range: 8 GHz – 18 GHz

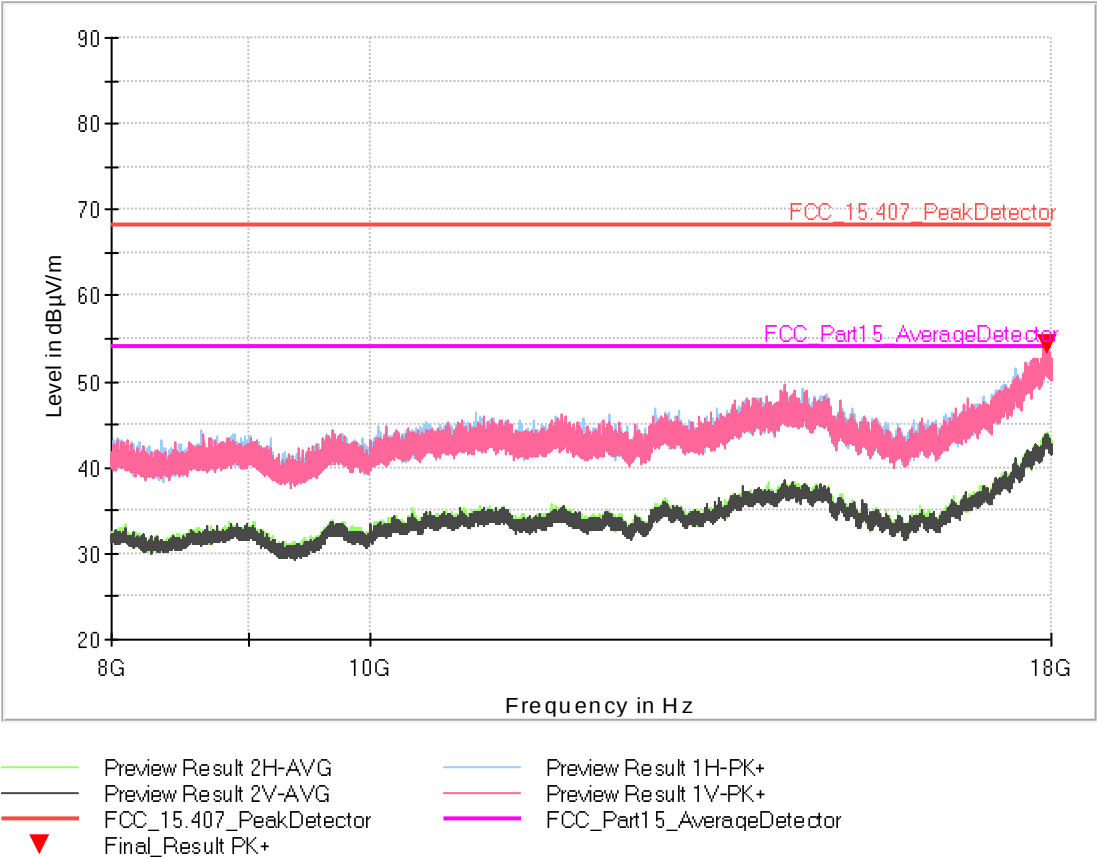


Fig. 268: Low Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17929.670 ¹	54.4	68.23	13.8	266.0	V	202.0	6.6

Table 77: Low Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

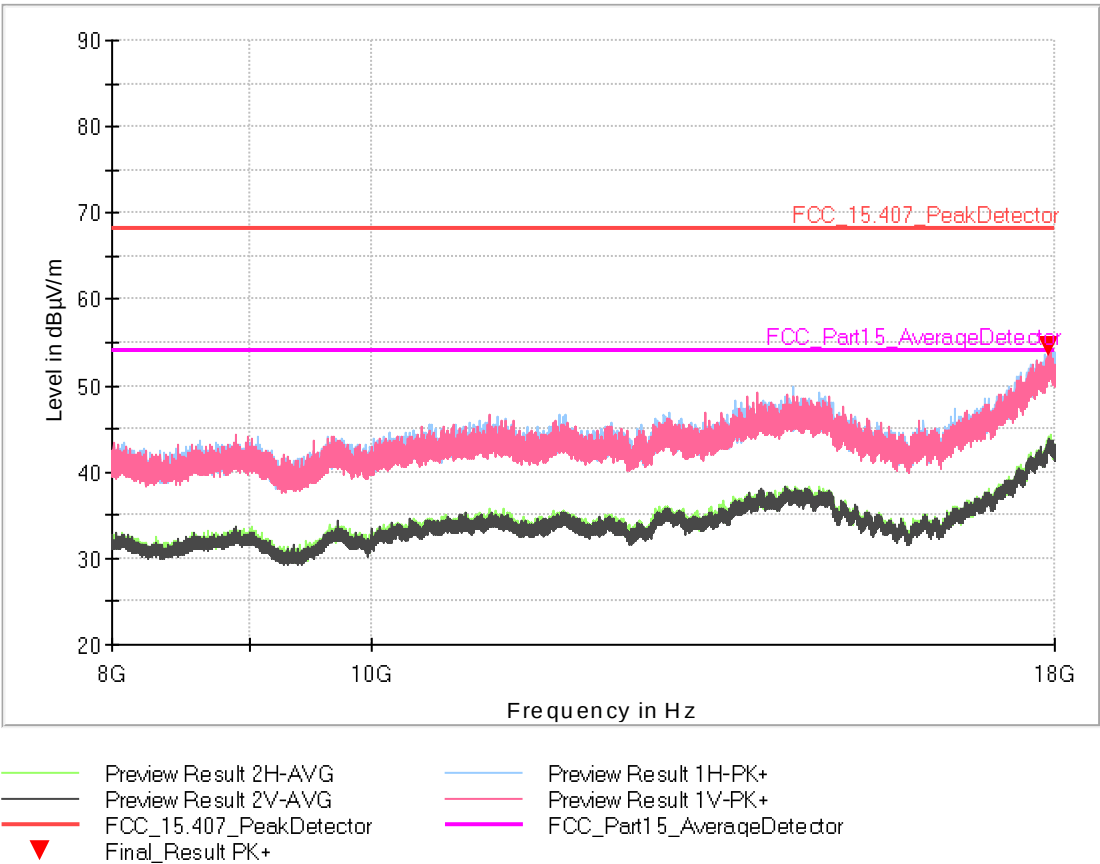


Fig. 269: Middle Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17904.670 ¹	54.5	68.23	13.7	314.0	H	204.0	6.4

Table 78: Middle Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

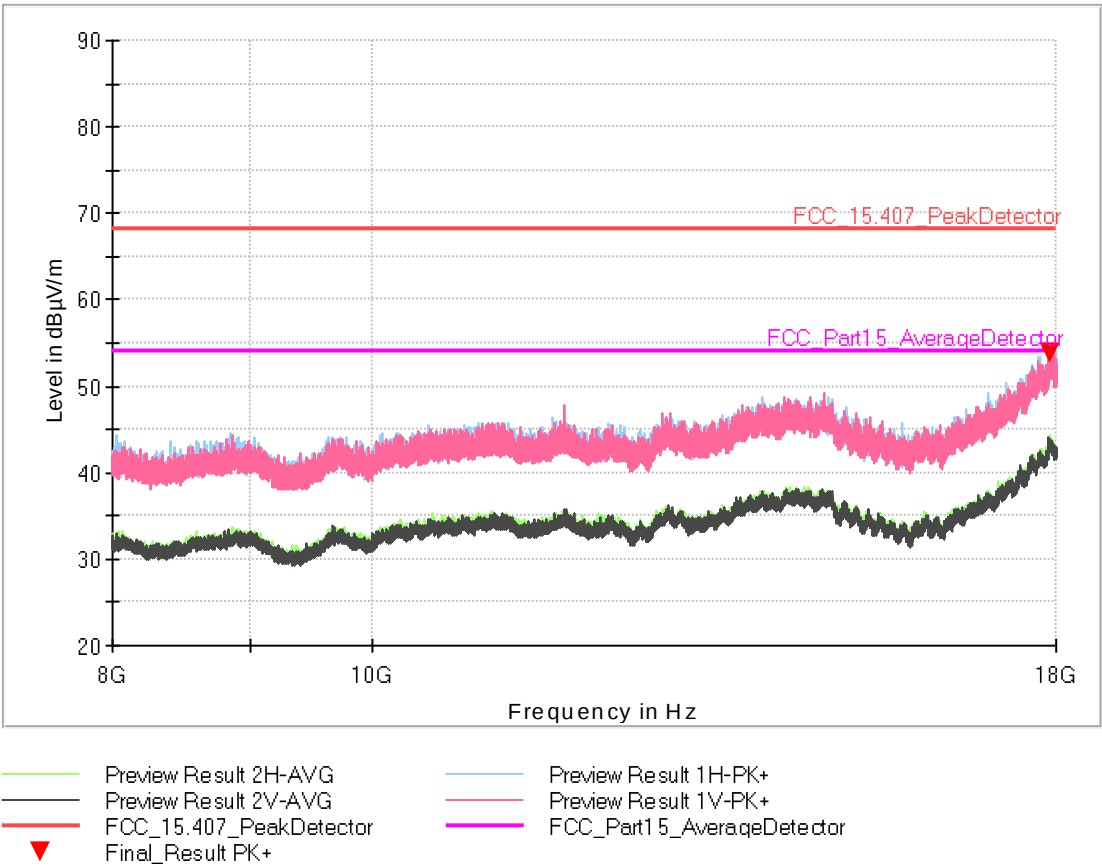


Fig. 270: High Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17919.670 ¹	53.8	68.23	14.4	350.0	H	307.0	6.5

Table 79: High Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.15 Sample #2. Mode 1. U-NII-1.Modulation N40. Frequency range: 1 GHz – 8 GHz

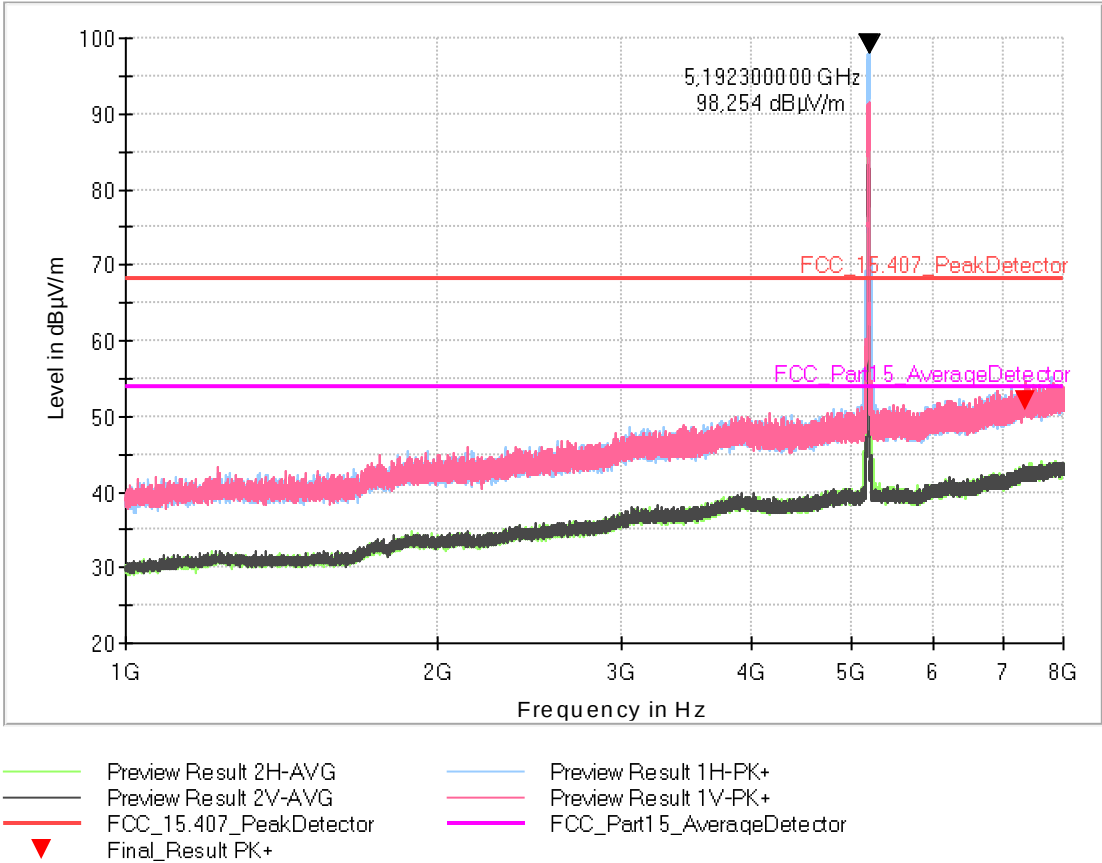


Fig. 271: Low Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7340.830 ¹	52.1	68.23	16.1	177.0	V	95.0	10.2

Table 80: Low Channel. Frequency range: 1 GHz – 8 GHz

Note 1: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

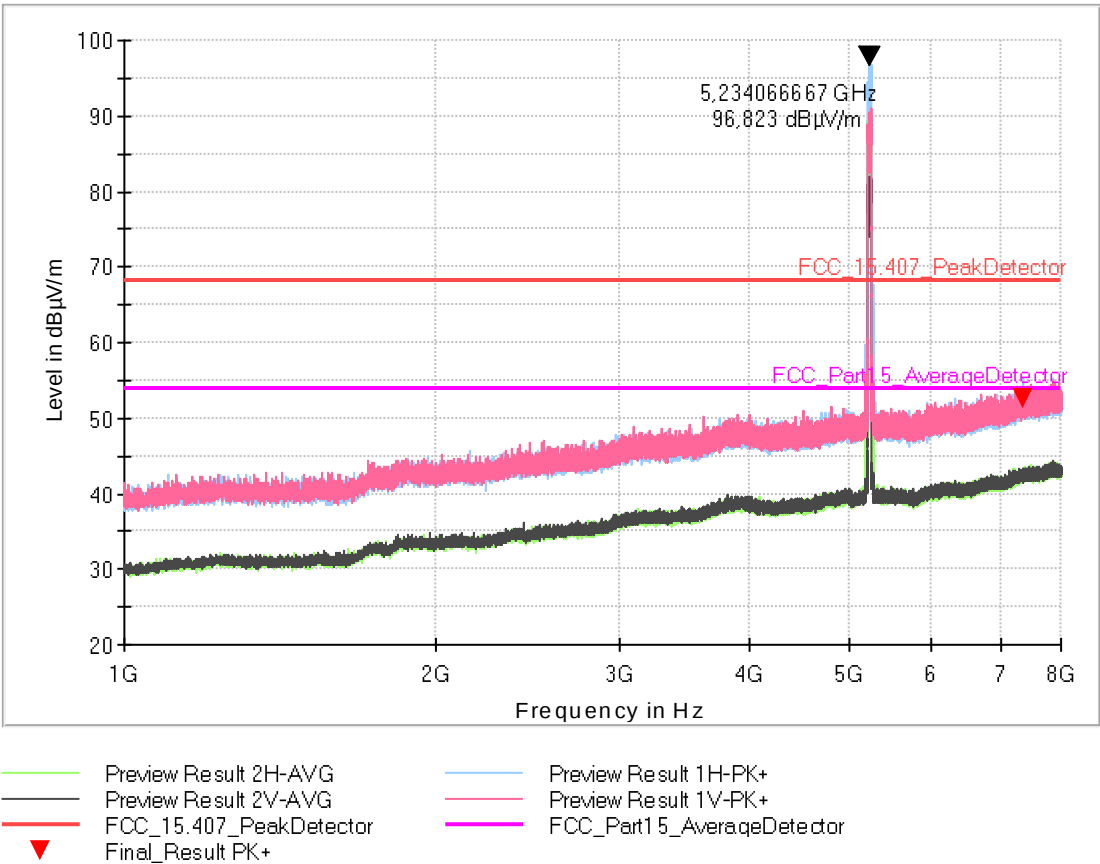


Fig. 272: High Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7359.870 ¹	52.6	68.23	15.6	320.0	H	185.0	10.2

Table 81: High Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.16 Sample #2. Mode 1. U-NII-1.Modulation M40. Frequency range: 8 GHz – 18 GHz

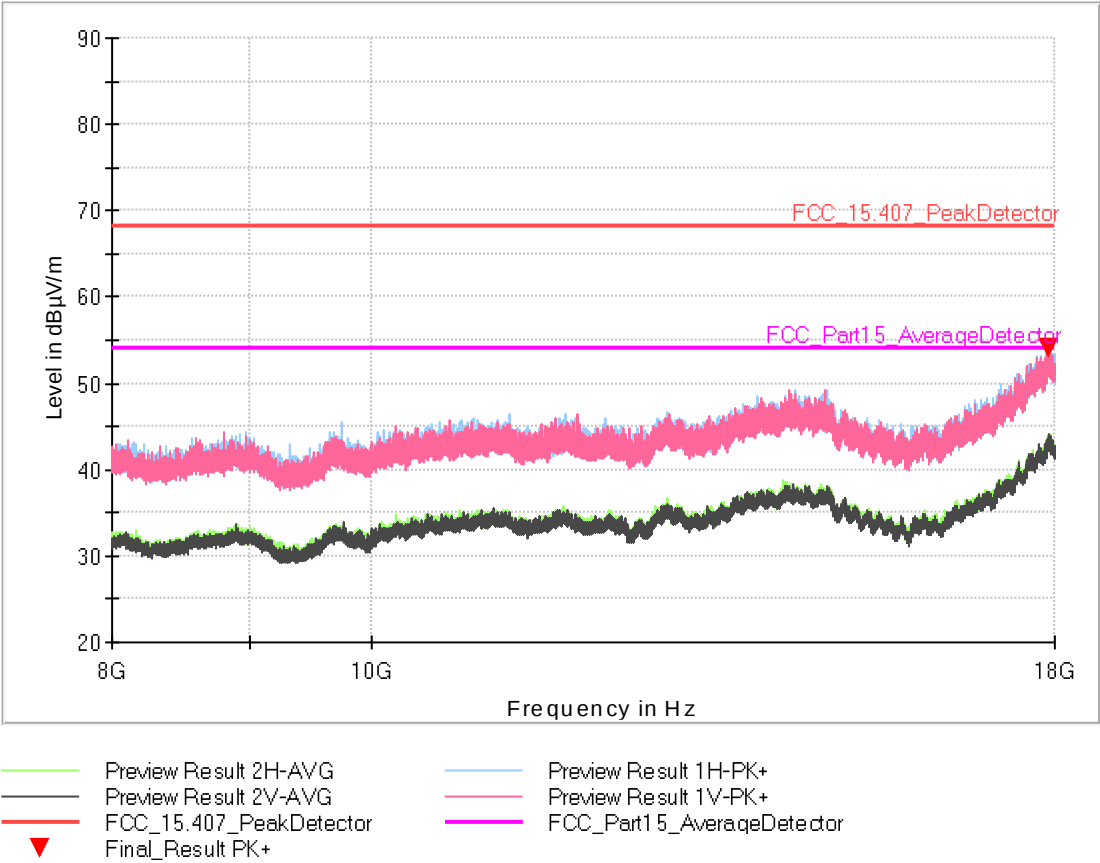


Fig. 273: Low Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17907.670 ¹	54.0	68.23	14.2	242.0	V	0.0	6.4

Table 82: Low Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

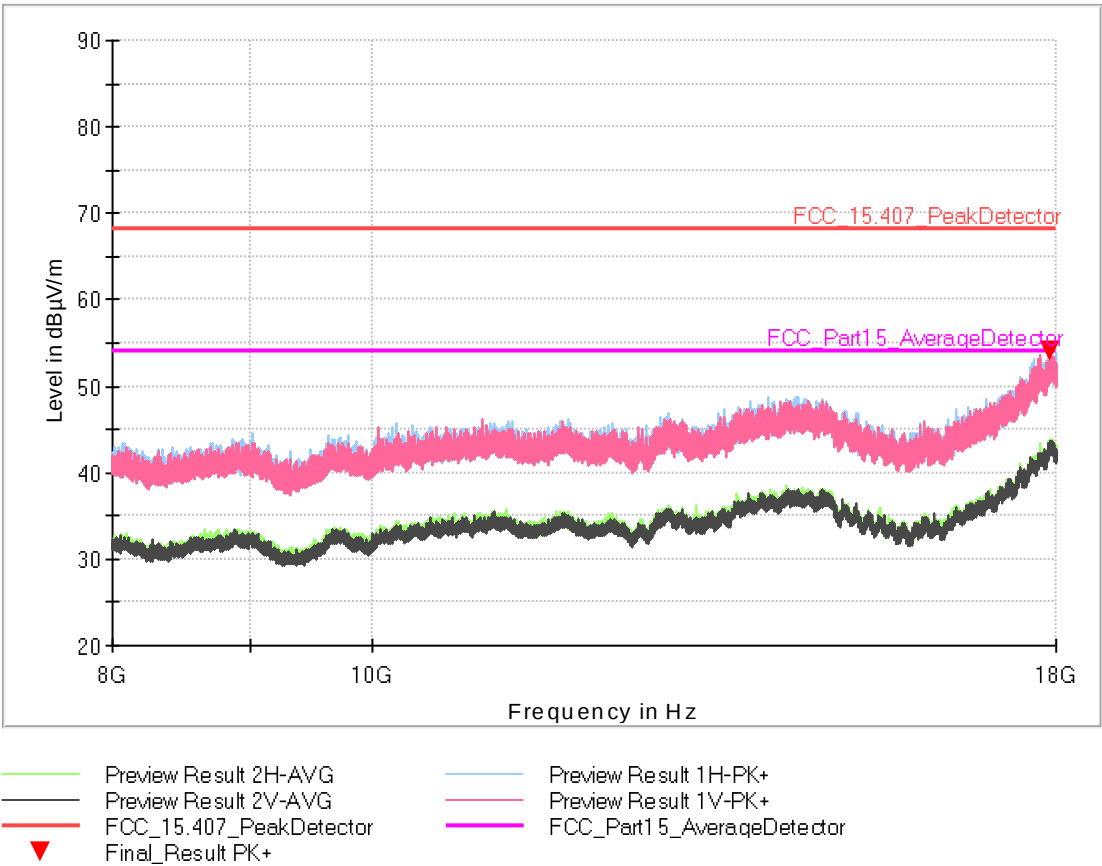


Fig. 274: High Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17911.330 ¹	54.0	68.23	14.2	130.0	H	320.0	6.5

Table 83: High Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.17 Sample #2. Mode 1. U-NII-1.Modulation AC40. Frequency range: 1 GHz – 8 GHz

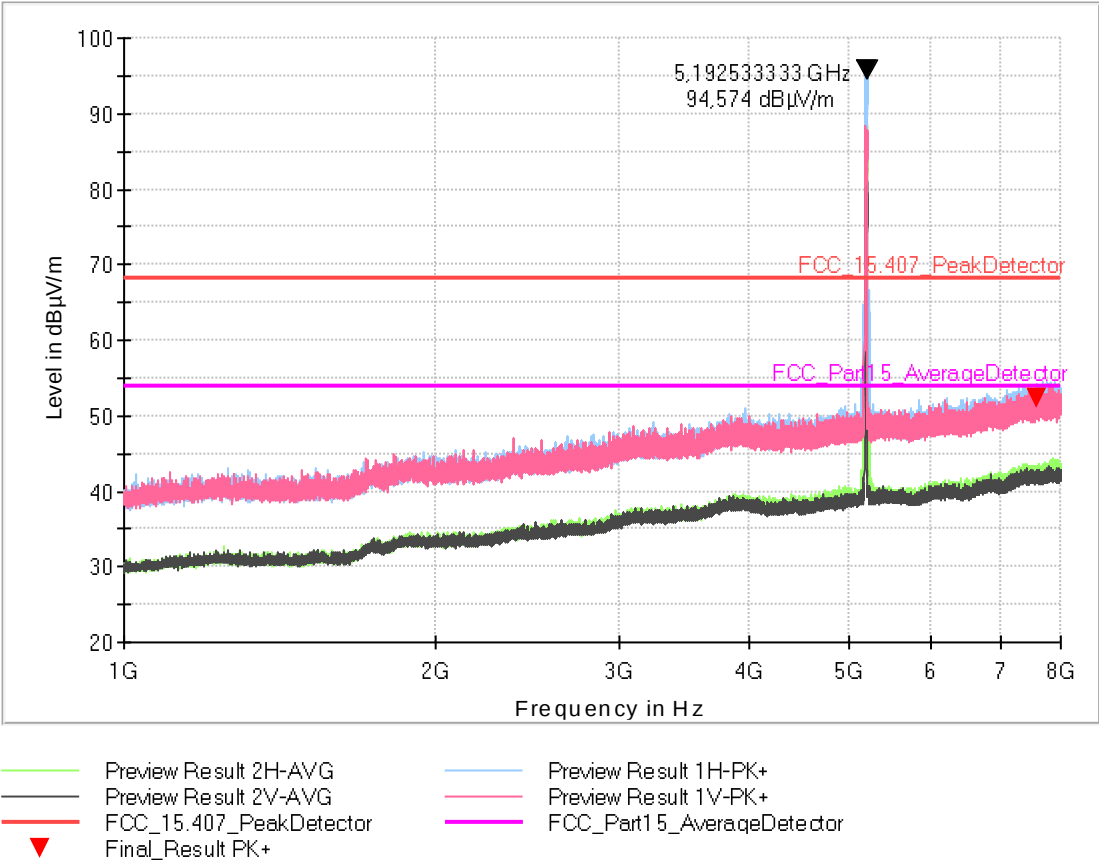


Fig. 275: Low Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7575.560 ¹	52.3	68.23	15.9	260.0	H	250.0	10.3

Table 84: Low Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

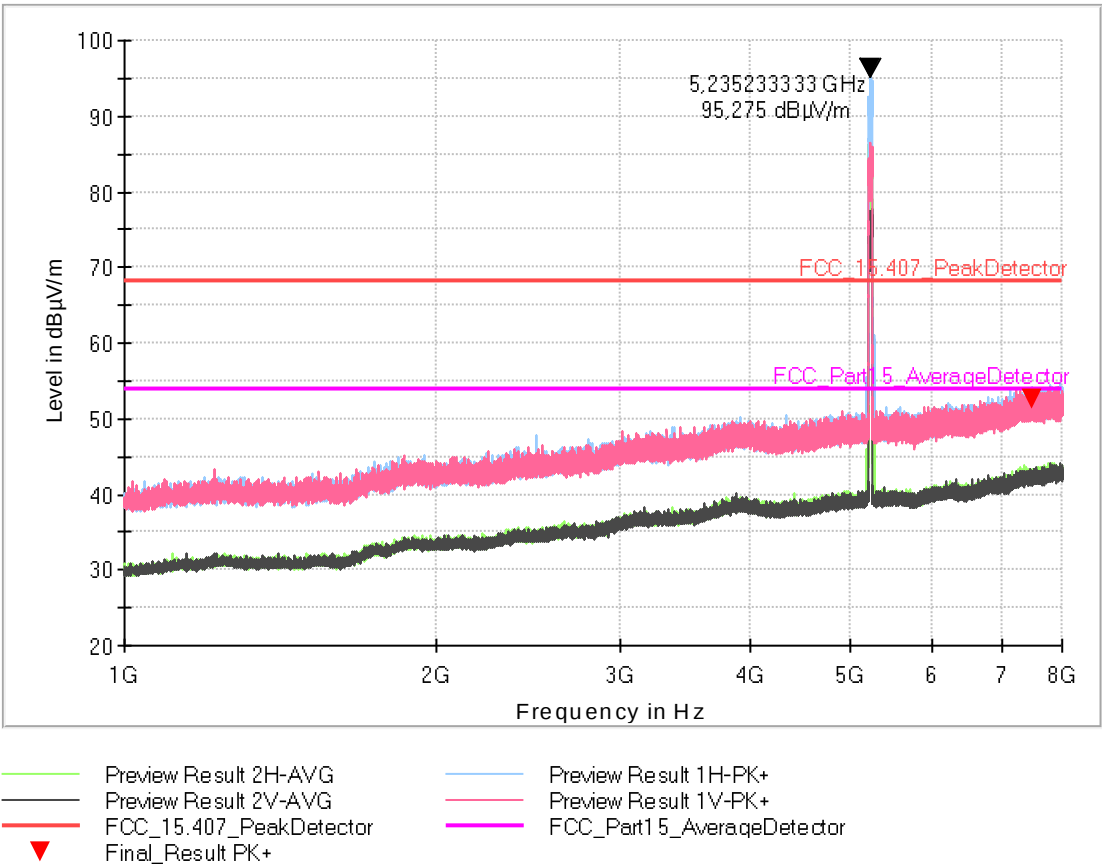


Fig. 276: High Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7498.570 ¹	52.6	68.23	15.6	151.0	H	282.0	10.2

Table 85: High Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.18 Sample #2. Mode 1. U-NII-1.Modulation AC40. Frequency range: 8 GHz – 18 GHz

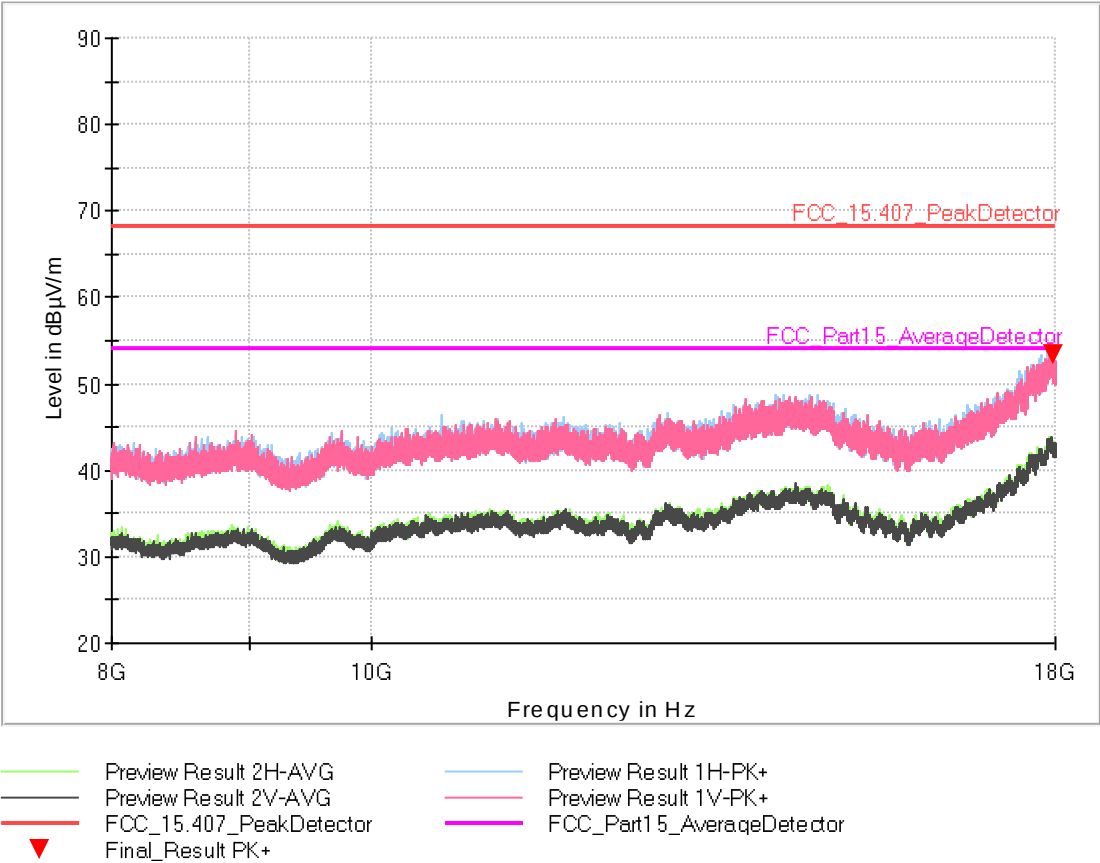


Fig. 277: Low Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17972.330 ¹	53.3	68.23	14.9	338.0	H	345.0	6.9

Table 86: Low Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

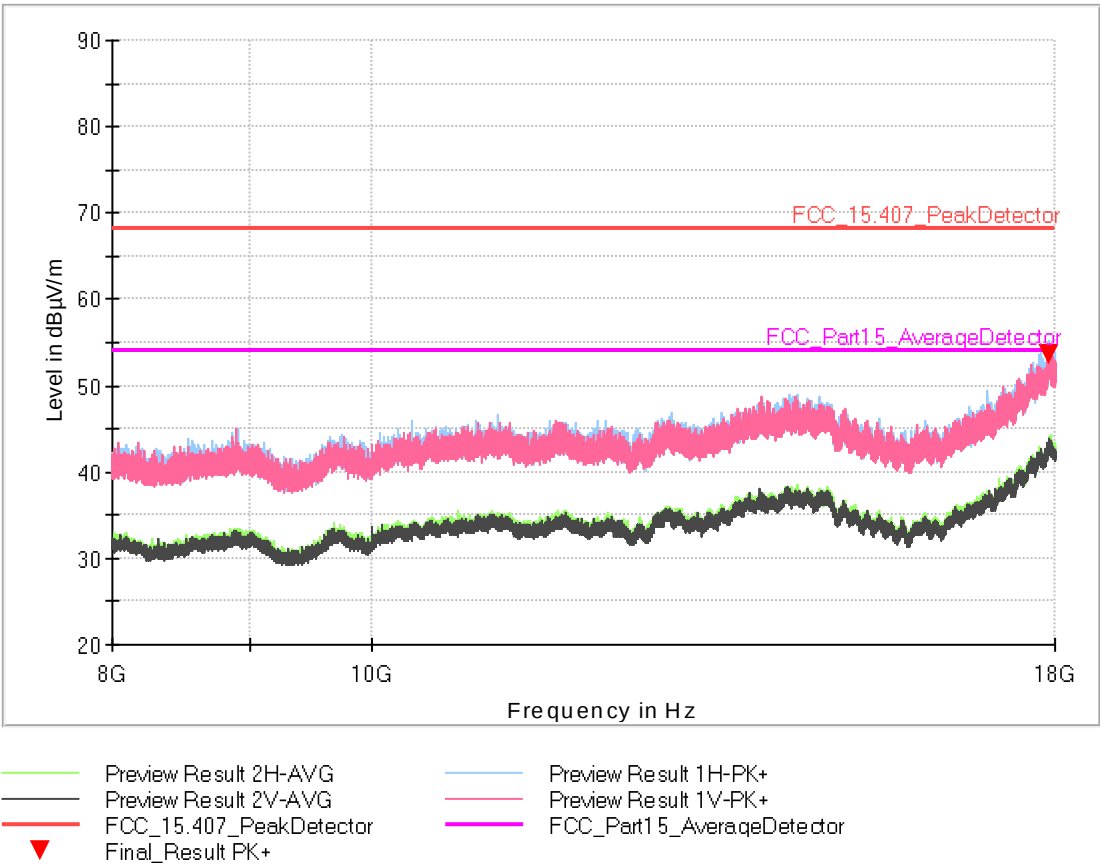


Fig. 278: High Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17904.000 ¹	53.5	68.23	14.7	255.0	H	352.0	6.4

Table 87: High Channel. Frequency range: 8 GHz – 18 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.19 Sample #2. Mode 1. U-NII-1.Modulation AC80. Frequency range: 1 GHz – 8 GHz

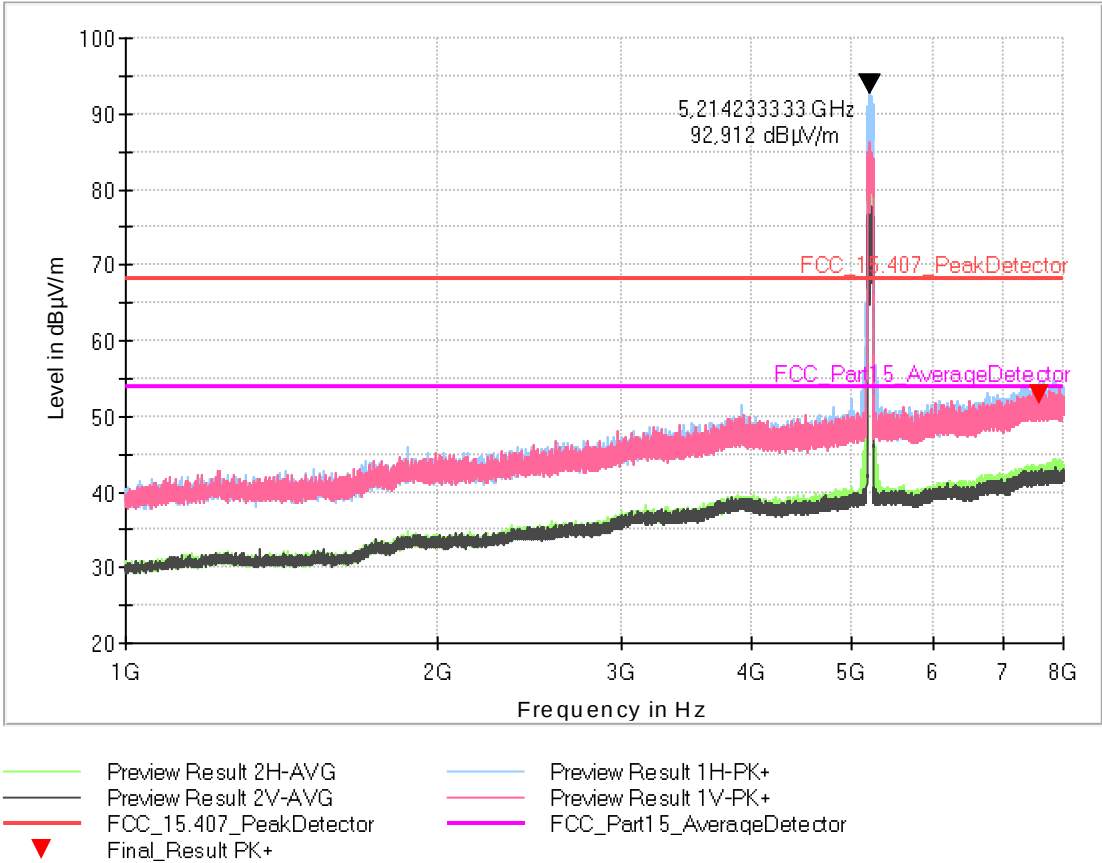


Fig. 279: Low Channel. Frequency range: 1 GHz – 8 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
7580.000 ¹	52.7	68.23	15.5	104.0	H	0.0	10.3

Table 88: Low Channel. Frequency range: 1 GHz – 8 GHz

Note ¹: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.

4.8.5.20 Sample #2. Mode 1. U-NII-1.Modulation AC80. Frequency range: 8 GHz – 18 GHz

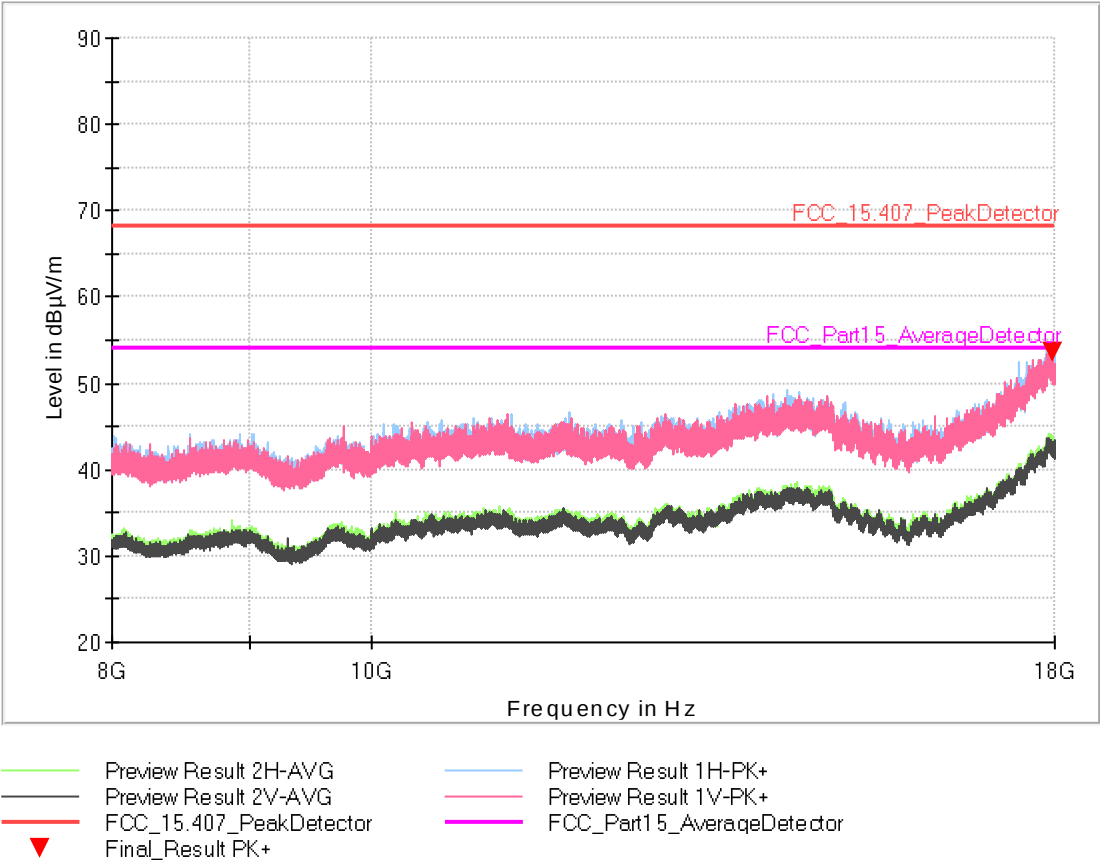


Fig. 280: Low Channel. Frequency range: 8 GHz – 18 GHz

FINAL MEASUREMENTS							
Frequency [MHz]	MaxPeak [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]
17955.670 ¹	53.5	68.23	14.7	264.0	H	263.0	6.8

Table 89: Low Channel. Frequency range: 8 GHz – 18 GHz

Note 1: The final frequency measurements within the restricted band correspond to the ambient level as can be seen in the graphs above. Therefore, a maximization with peak detector as worst case is performed.