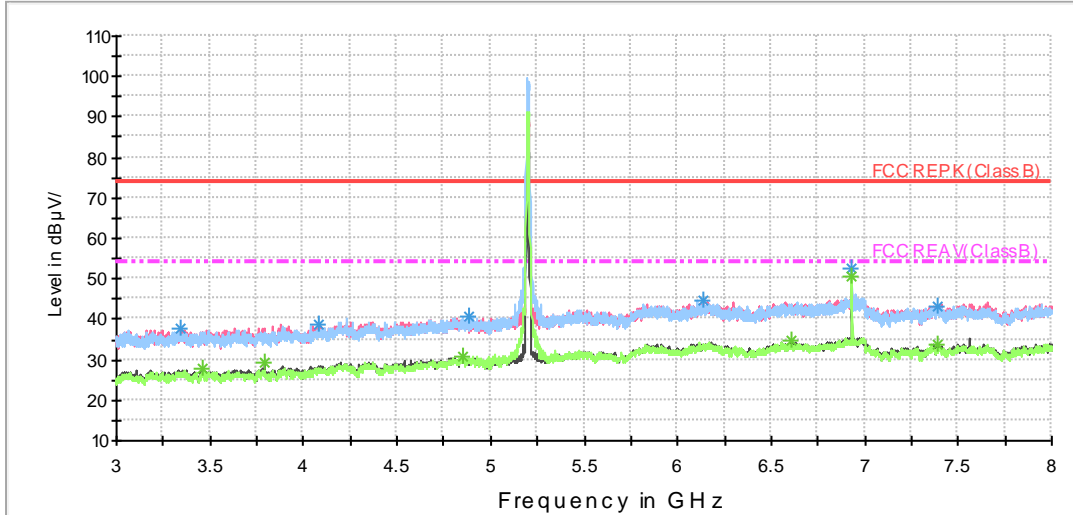


## 802.11ac (HT20) CH40

## Radiates Emission from 1GHz to 3GHz

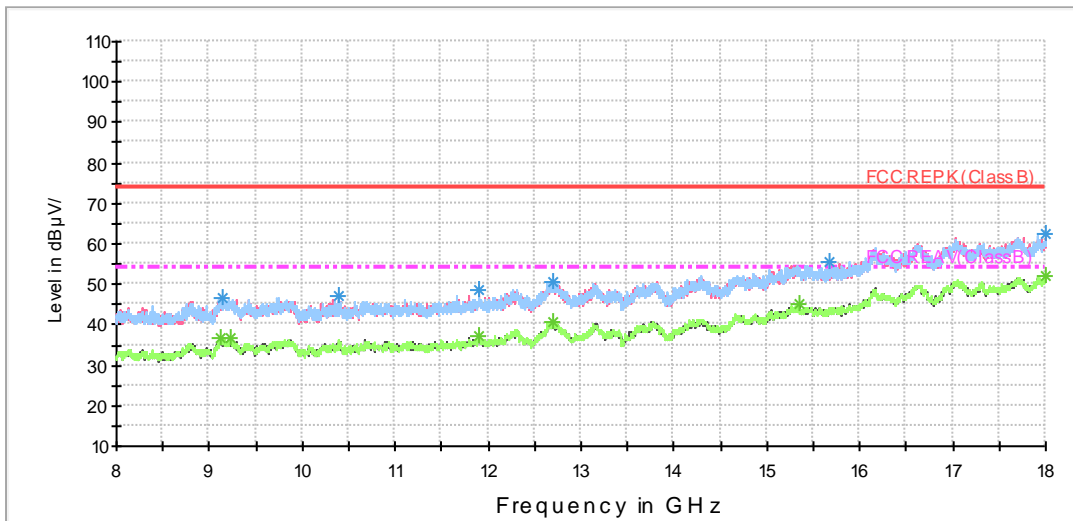
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

## Radiates Emission from 3GHz to 8GHz

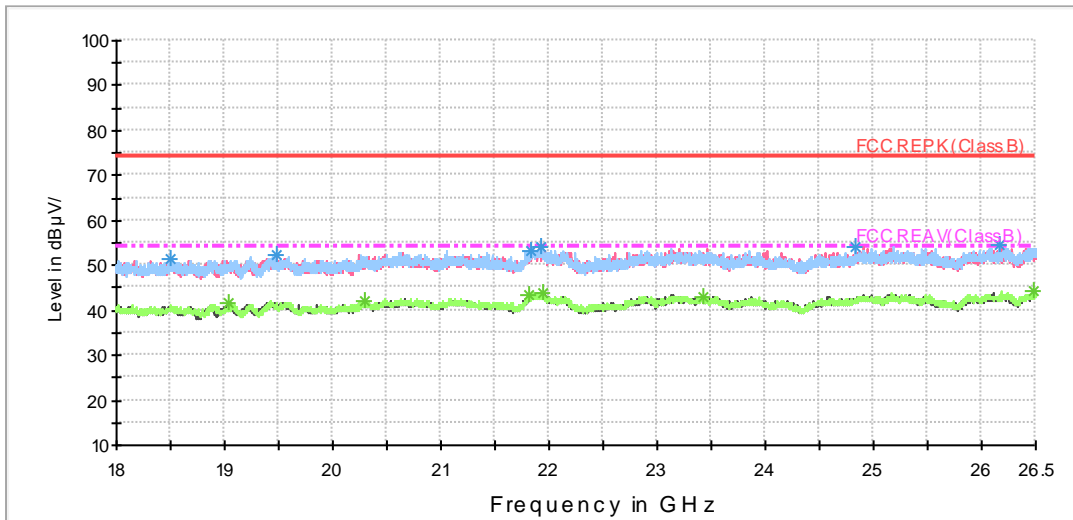
RE 3-18GHz PK+AV



## Radiates Emission from 8GHz to 18GHz

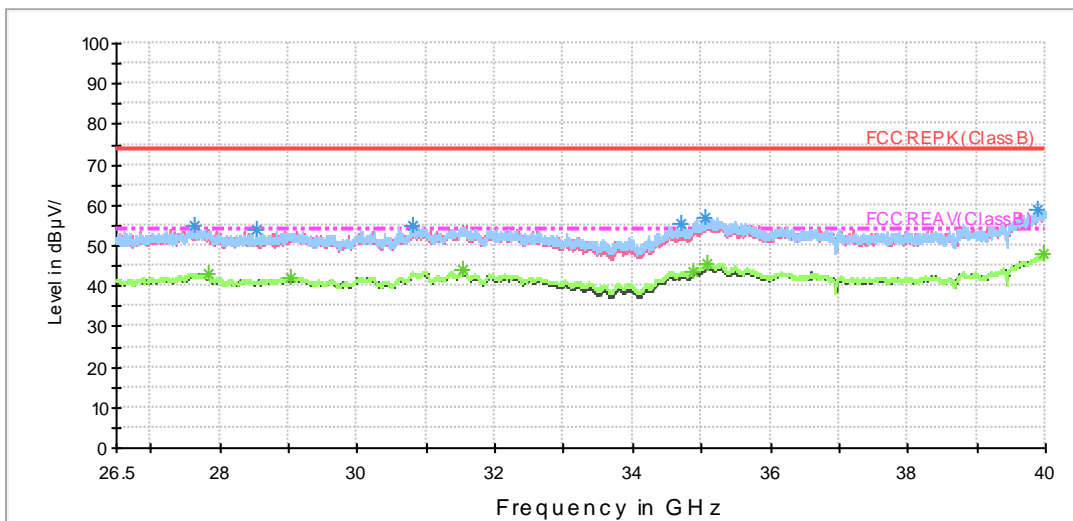


RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3342.500000	37.5	200.0	V	0.0	39.9	-2.4	36.5	74
4077.500000	38.9	200.0	V	349.0	39.8	-0.9	35.1	74
4888.750000	40.8	200.0	H	190.0	38.9	1.9	33.2	74
6131.875000	44.8	200.0	H	210.0	39.4	5.4	29.2	74
6933.750000	52.7	200.0	H	270.0	46.5	6.2	21.3	74
7391.875000	43.1	200.0	H	130.0	36.2	6.9	30.9	74

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

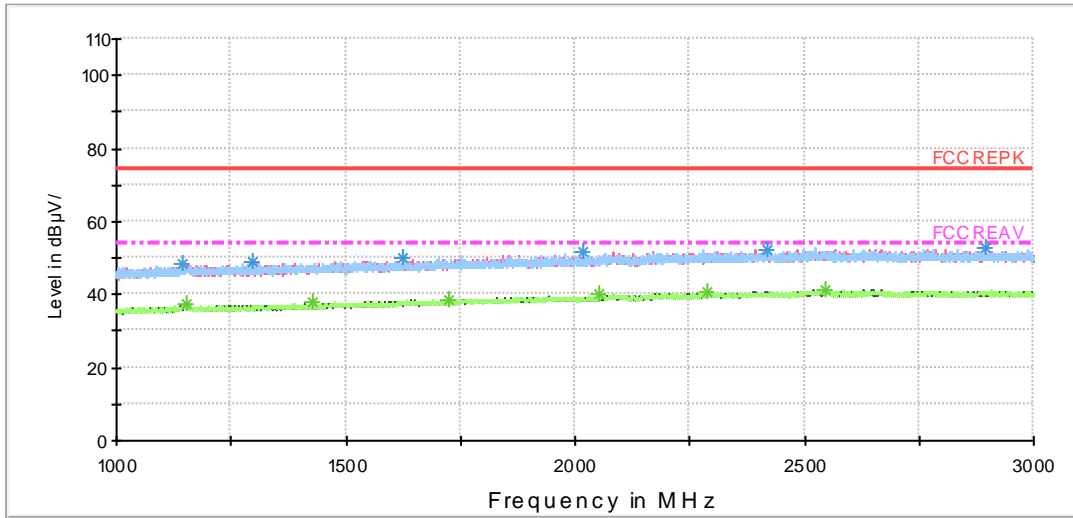


Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3458.125000	27.6	200.0	V	202.0	29.8	-2.2	26.4	54
3794.375000	29.1	200.0	V	222.0	30.8	-1.7	24.9	54
4848.125000	30.8	200.0	H	140.0	29.2	1.6	23.2	54
6603.750000	34.6	200.0	V	310.0	29.0	5.6	19.4	54
6933.750000	50.7	200.0	H	270.0	44.5	6.2	3.3	54
7391.875000	33.7	200.0	V	222.0	26.8	6.9	20.3	54

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

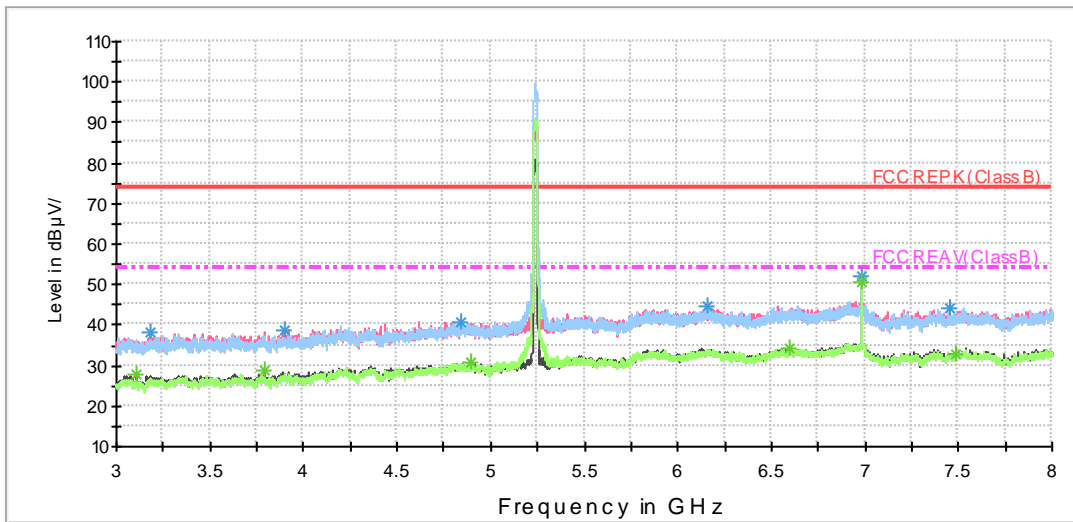
## 802.11ac (HT20) CH48

## FCC RE 1G-3GHz PK+AV Class B



## Radiates Emission from 1GHz to 3GHz

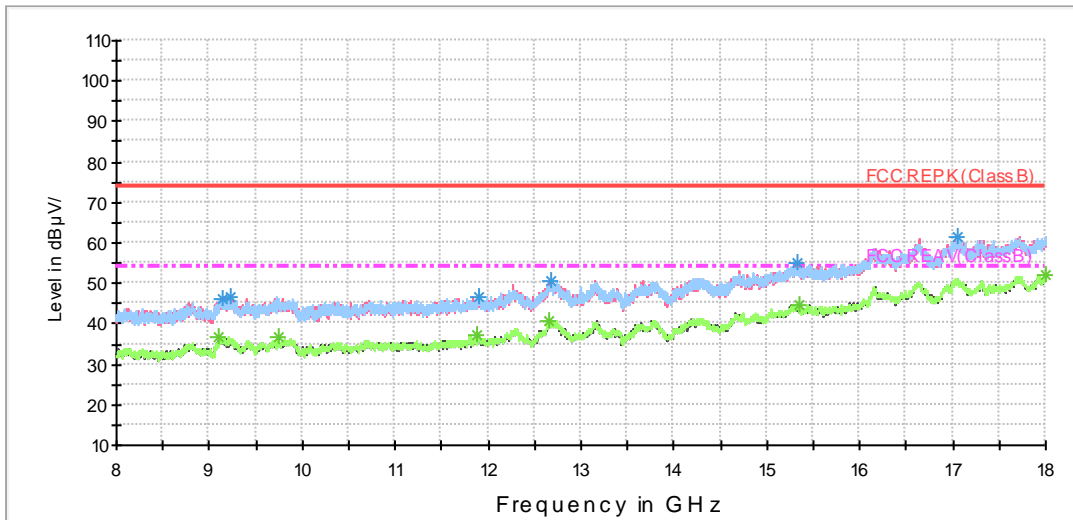
## RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

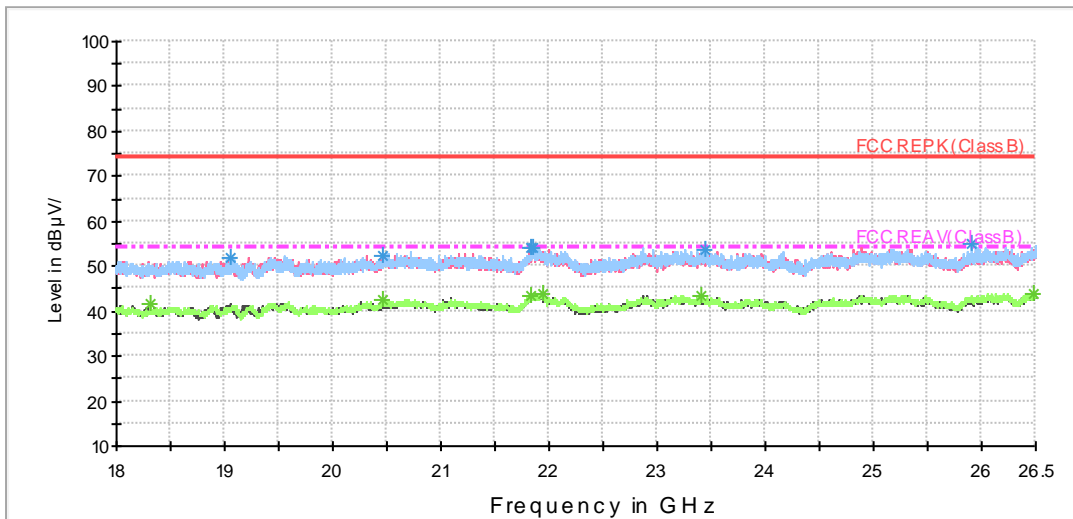
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



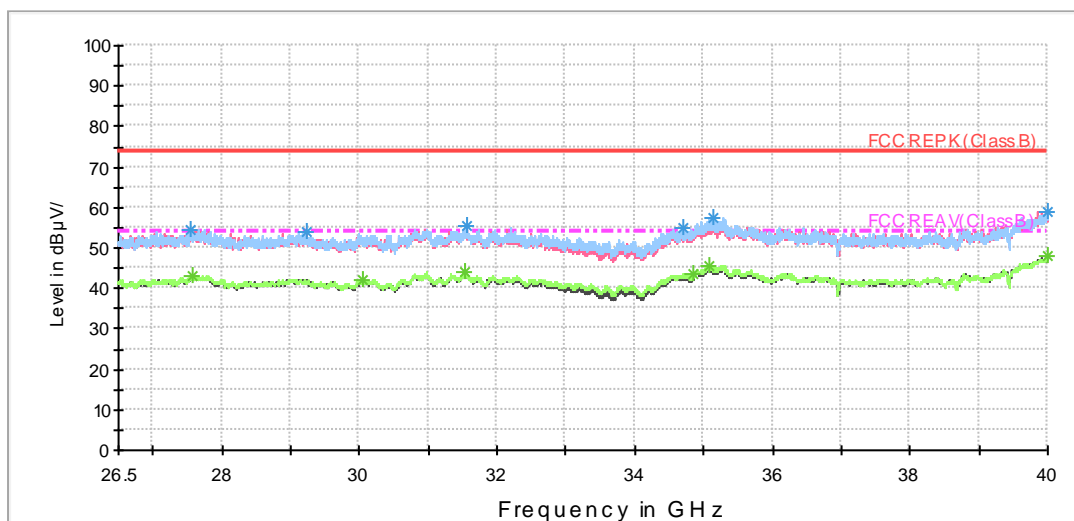
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3177.500000	38.1	200.0	V	257.0	41.0	-2.9	35.9	74
3894.375000	38.8	200.0	V	325.0	40.1	-1.3	35.2	74
4841.250000	40.9	200.0	H	4.0	39.3	1.6	33.1	74
6163.750000	44.8	200.0	H	42.0	39.2	5.6	29.2	74
6986.875000	52.2	200.0	H	143.0	45.8	6.4	21.8	74
7453.125000	44.1	200.0	H	42.0	37.3	6.8	29.9	74

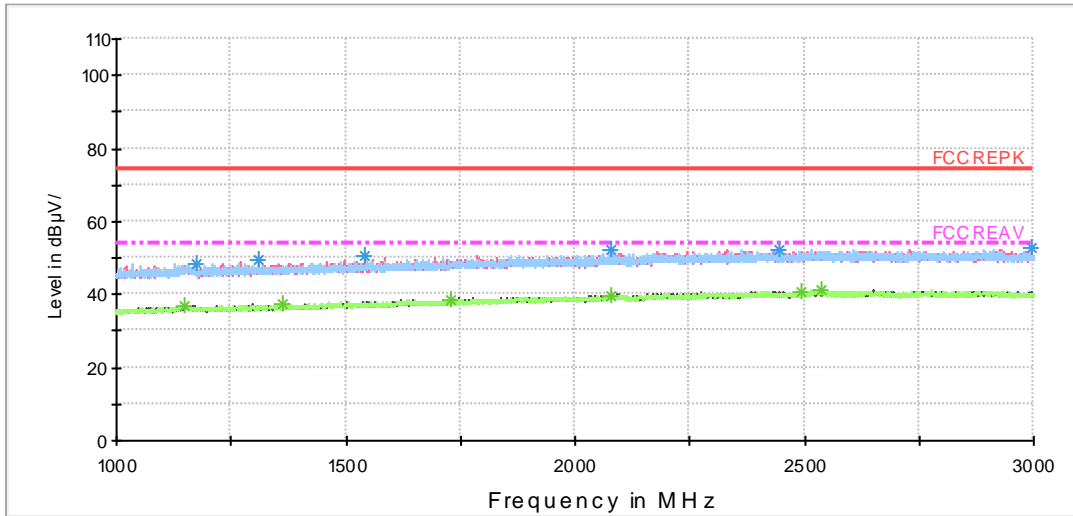
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3104.375000	27.7	200.0	V	246.0	30.5	-2.8	26.3	54
3795.000000	28.9	200.0	V	206.0	30.6	-1.7	25.1	54
4898.750000	30.9	200.0	H	183.0	29.0	1.9	23.1	54
6595.000000	34.3	200.0	V	0.0	28.7	5.6	19.7	54
6986.875000	50.4	200.0	H	143.0	44.0	6.4	3.6	54
7481.250000	32.9	200.0	V	147.0	26.1	6.8	21.1	54

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

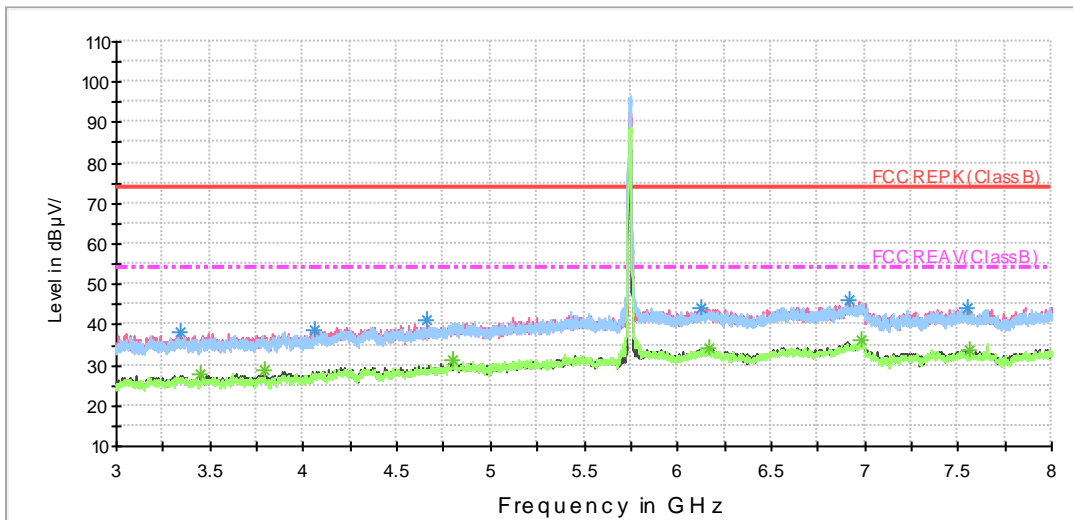
802.11ac (HT20) CH149

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

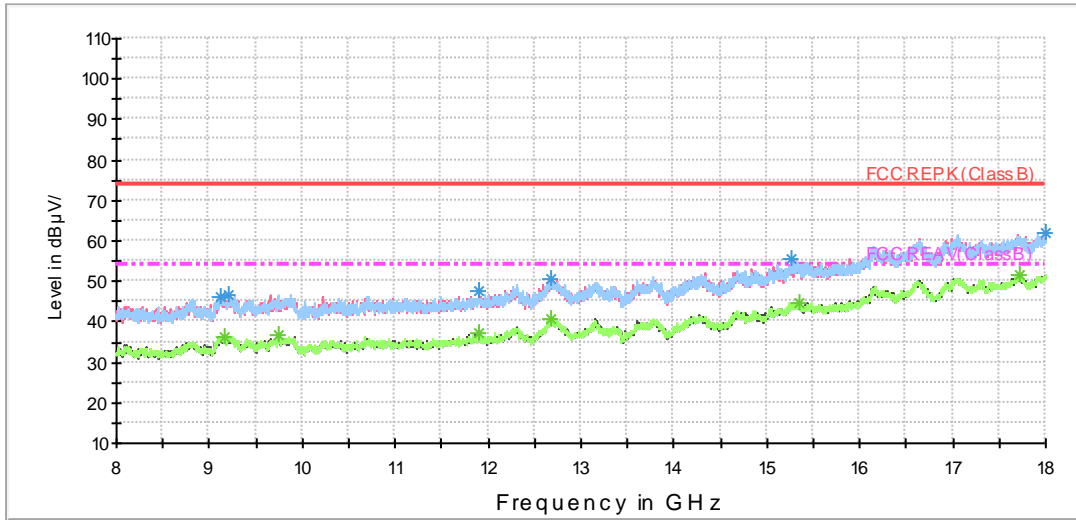
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

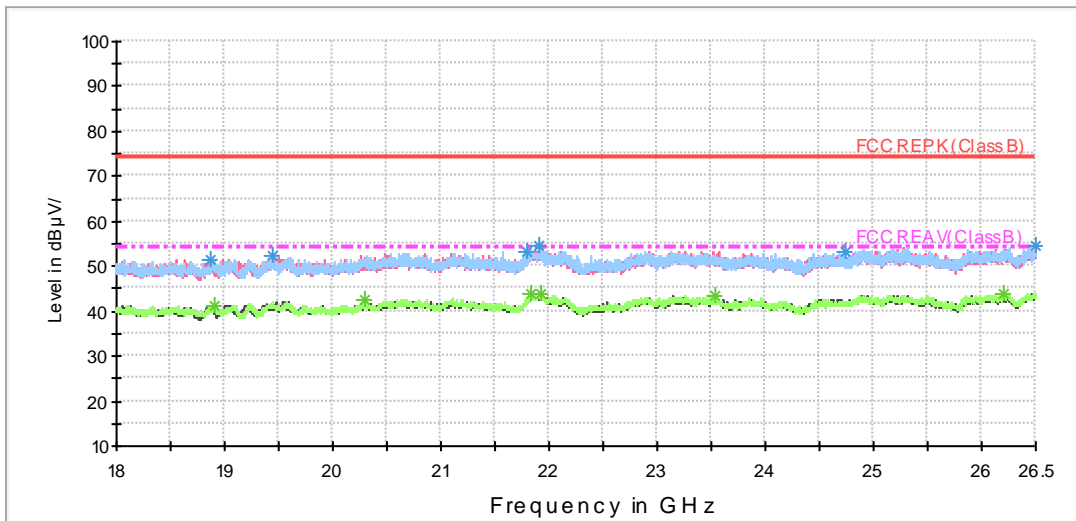
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

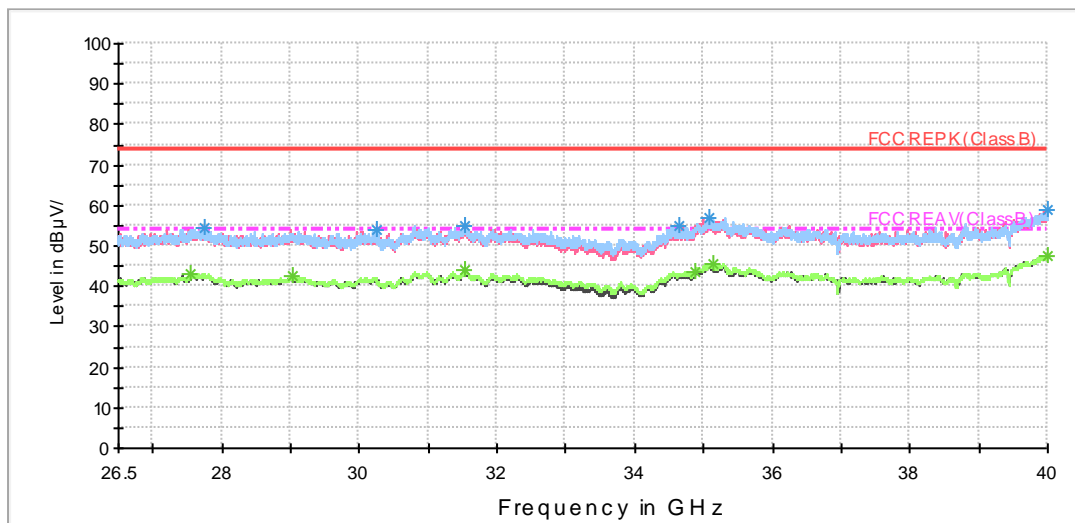
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3341.875000	38.1	200.0	V	117.0	40.5	-2.4	35.9	74
4058.125000	38.5	200.0	V	0.0	39.6	-1.1	35.5	74
4659.375000	41.2	200.0	V	306.0	40.5	0.7	32.8	74
6126.250000	43.9	200.0	V	337.0	38.5	5.4	30.1	74
6913.750000	46.1	200.0	V	247.0	39.9	6.2	27.9	74
7553.750000	43.9	200.0	V	217.0	36.9	7.0	30.1	74

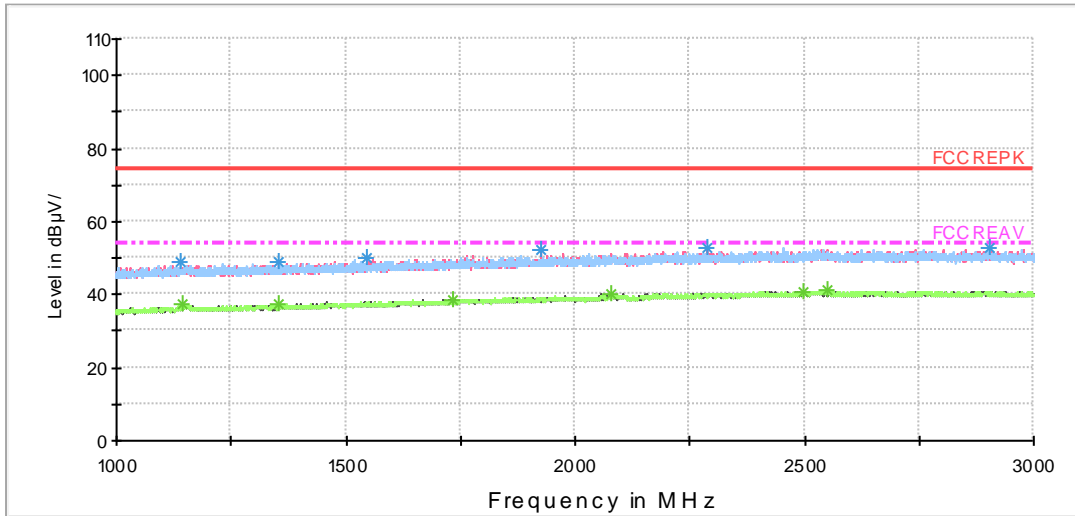
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3449.375000	27.8	200.0	V	287.0	30.0	-2.2	26.2	54
3795.000000	28.8	200.0	V	197.0	30.5	-1.7	25.2	54
4801.250000	31.2	200.0	H	183.0	29.9	1.3	22.8	54
6173.125000	34.4	200.0	V	77.0	28.9	5.5	19.6	54
6982.500000	36.1	200.0	H	152.0	29.7	6.4	17.9	54
7560.000000	33.8	200.0	V	186.0	26.8	7.0	20.2	54

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

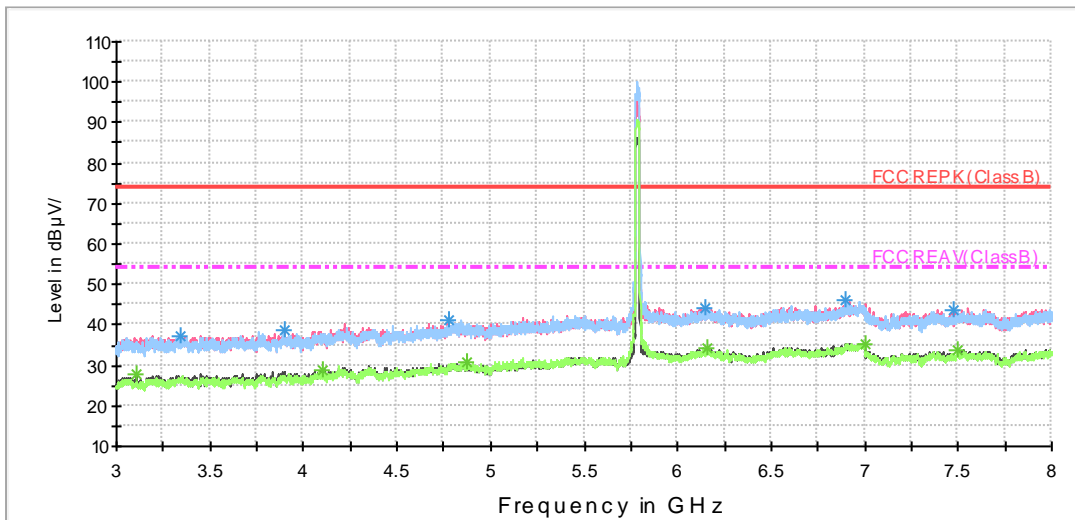
802.11ac (HT20) CH157

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

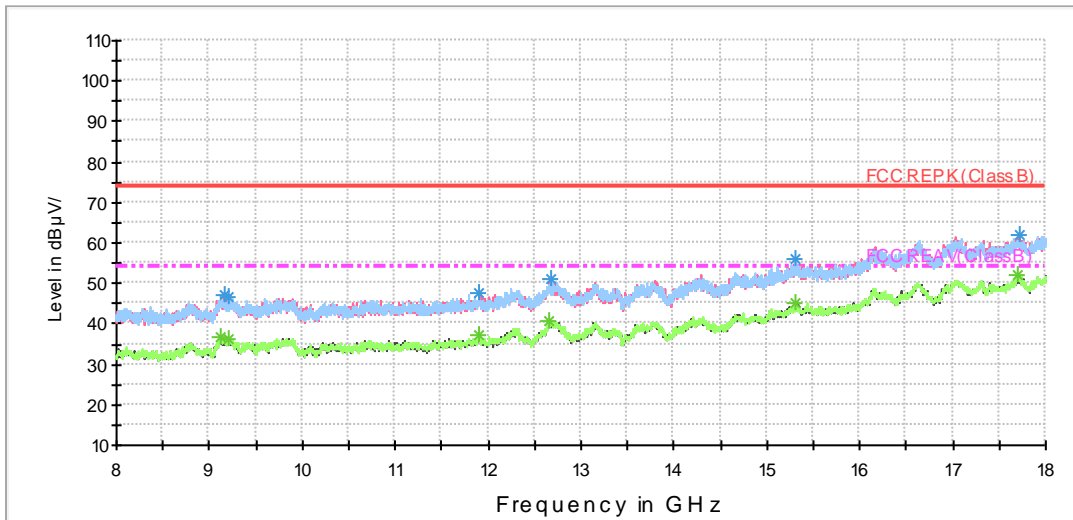
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

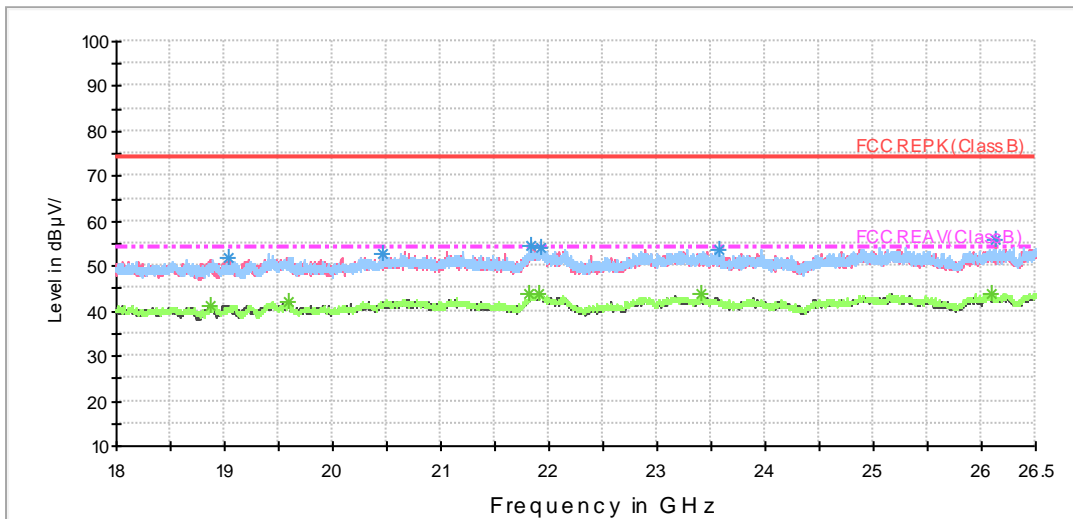
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

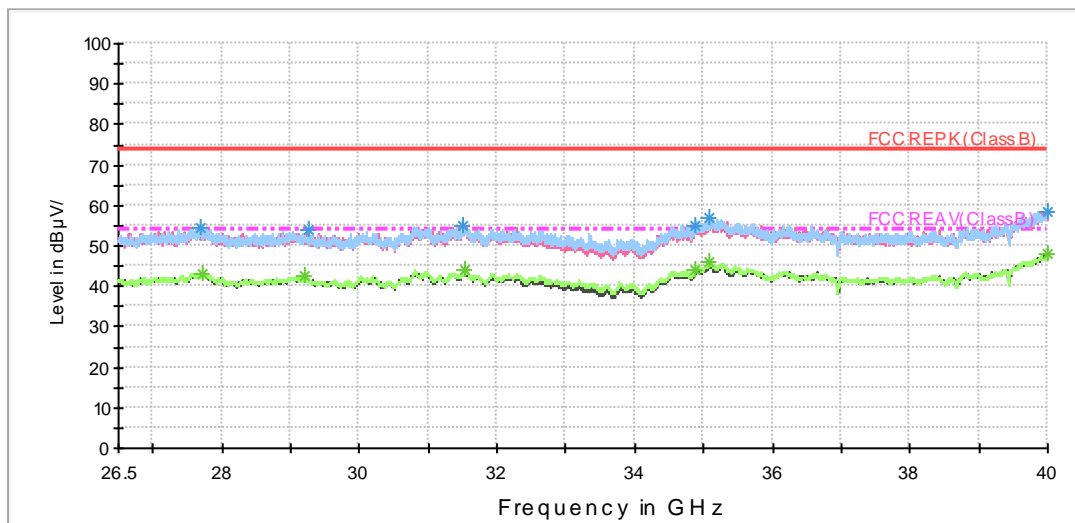
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3344.375000	37.4	200.0	H	303.0	39.8	-2.4	36.6	74
3898.125000	38.8	200.0	V	182.0	40.1	-1.3	35.2	74
4775.000000	41.0	200.0	H	114.0	39.9	1.1	33.0	74
6150.000000	44.2	200.0	V	350.0	38.7	5.5	29.8	74
6901.250000	45.9	200.0	H	114.0	39.6	6.3	28.1	74
7474.375000	43.6	200.0	V	153.0	36.8	6.8	30.4	74

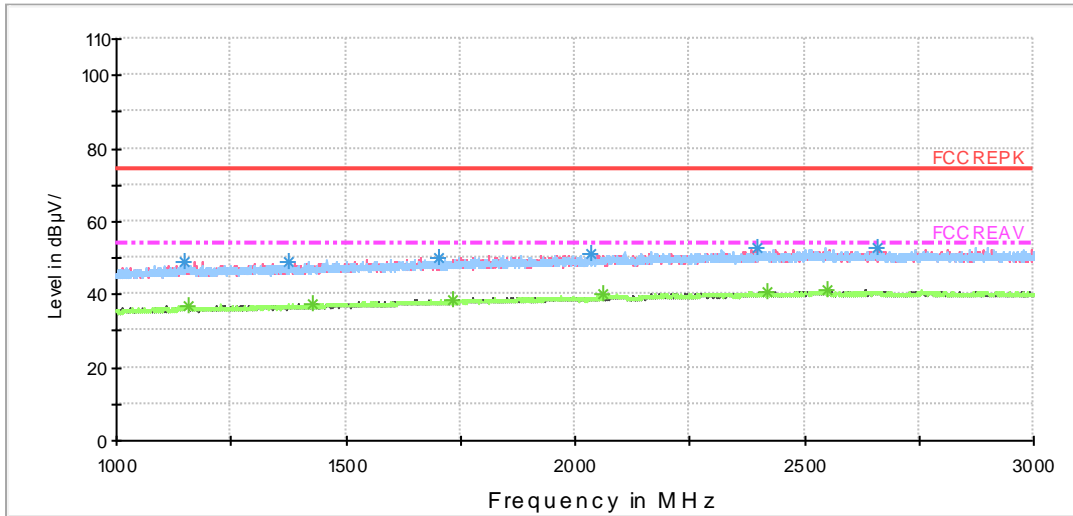
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3105.000000	27.8	200.0	V	243.0	30.6	-2.8	26.2	54
4101.875000	28.7	200.0	V	233.0	29.6	-0.9	25.3	54
4872.500000	30.7	200.0	H	0.0	28.9	1.8	23.3	54
6161.250000	34.0	200.0	V	0.0	28.3	5.7	20.0	54
6999.375000	35.3	200.0	H	0.0	28.8	6.5	18.7	54
7501.875000	33.6	200.0	H	0.0	26.7	6.9	20.4	54

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

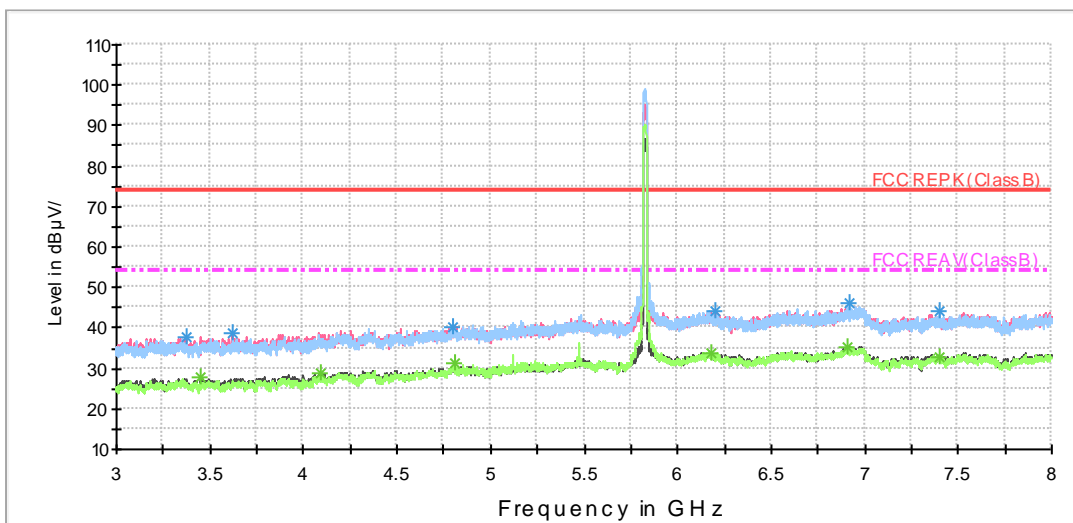
802.11ac (HT20) CH165

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

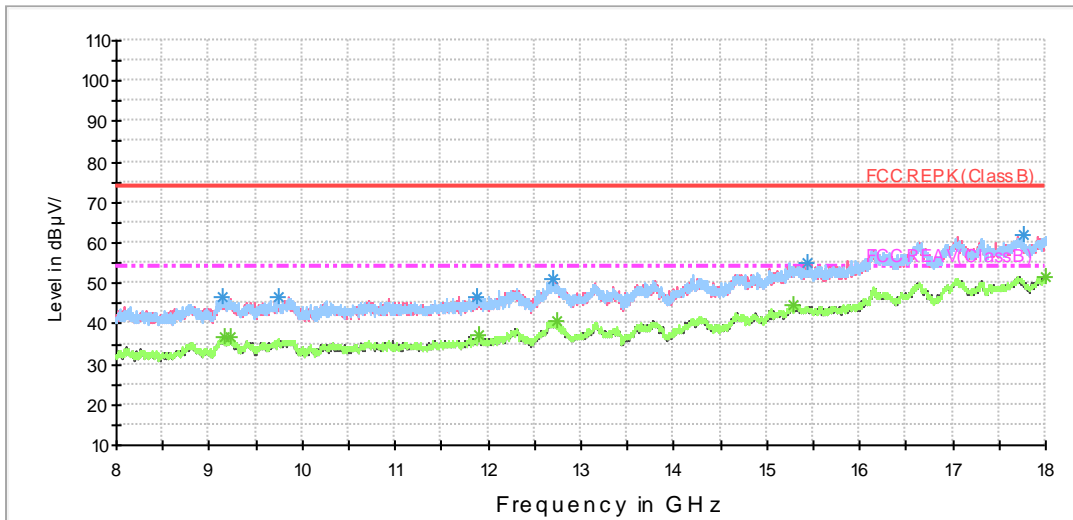
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

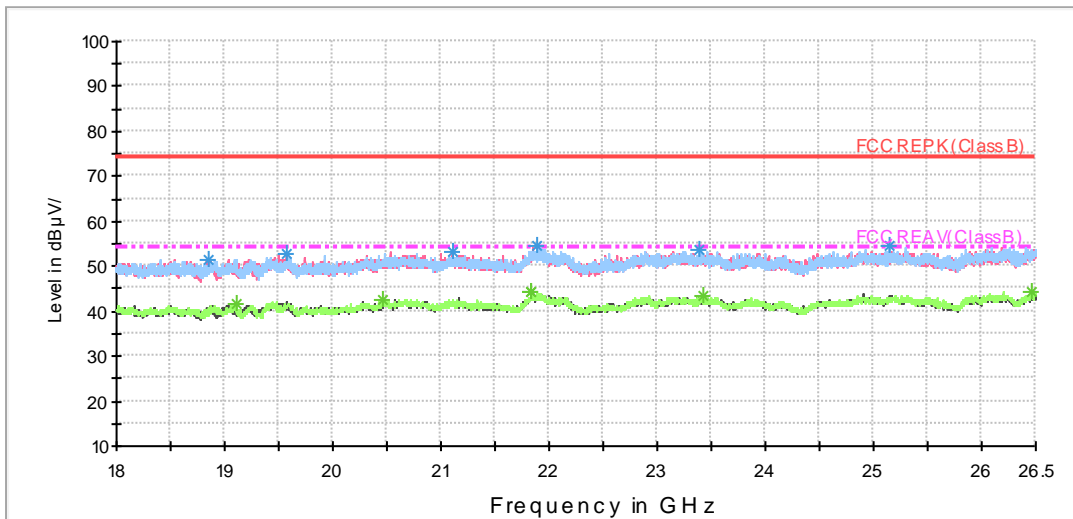
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

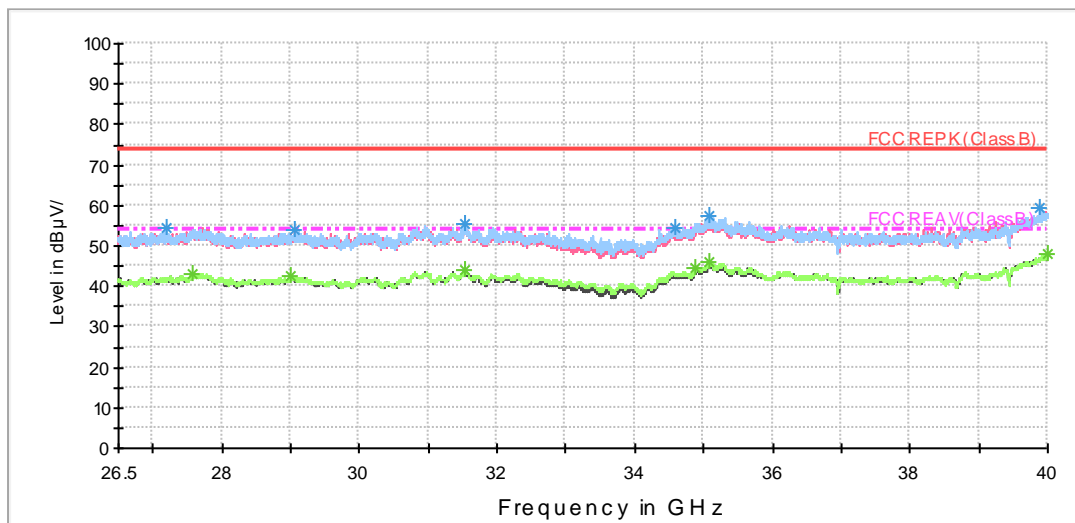
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3375.625000	37.6	200.0	V	275.0	40.2	-2.6	36.4	74
3616.250000	38.6	200.0	V	0.0	40.6	-2.0	35.4	74
4800.625000	40.4	200.0	H	181.0	39.1	1.3	33.6	74
6200.625000	44.2	200.0	V	246.0	38.8	5.4	29.8	74
6923.750000	46.3	200.0	H	151.0	40.1	6.2	27.7	74
7398.125000	44.1	200.0	H	35.0	37.3	6.8	29.9	74

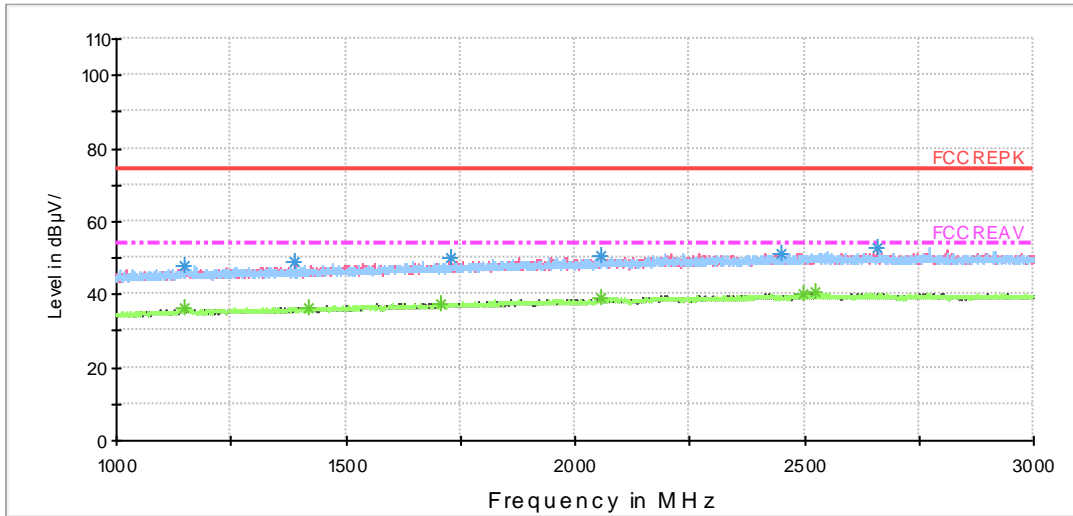
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3449.375000	27.7	200.0	V	217.0	29.9	-2.2	26.3	54
4088.750000	28.6	200.0	V	246.0	29.5	-0.9	25.4	54
4809.375000	31.2	200.0	H	171.0	29.9	1.3	22.8	54
6181.250000	34.0	200.0	V	338.0	28.6	5.4	20.0	54
6904.375000	35.4	200.0	V	236.0	29.1	6.3	18.6	54
7396.250000	33.0	200.0	V	338.0	26.2	6.8	21.0	54

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

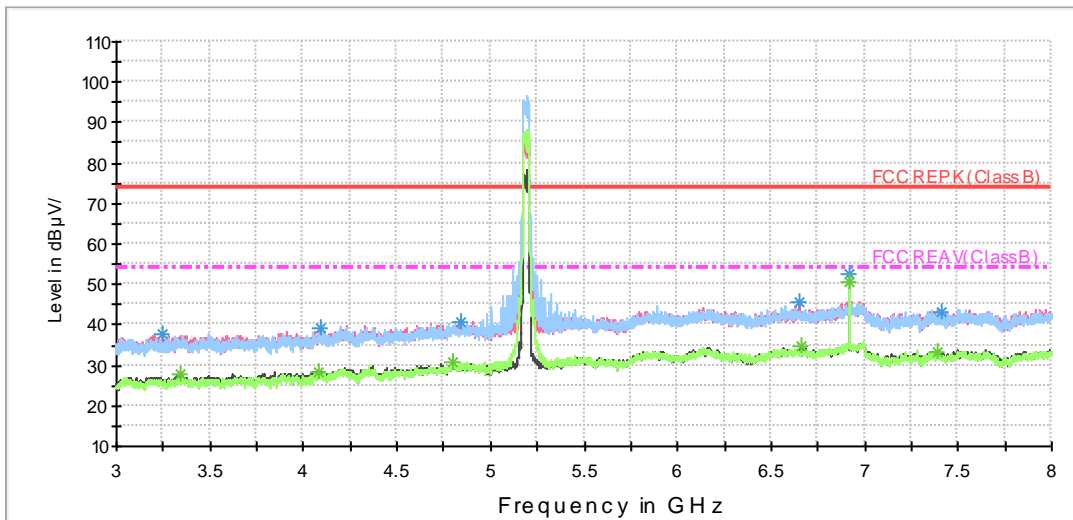
802.11ac (HT40) CH38

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

RE 3-18GHz PK+AV

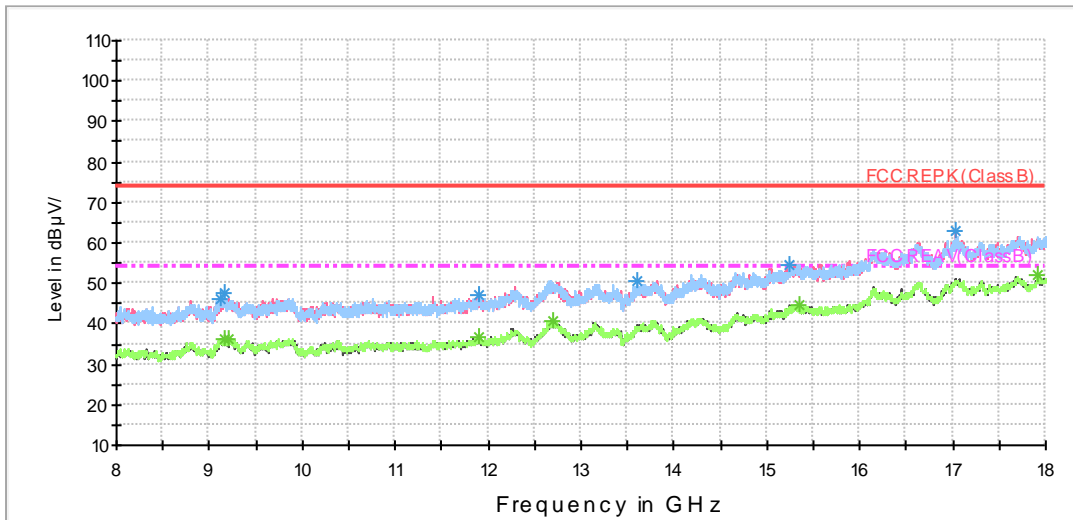


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

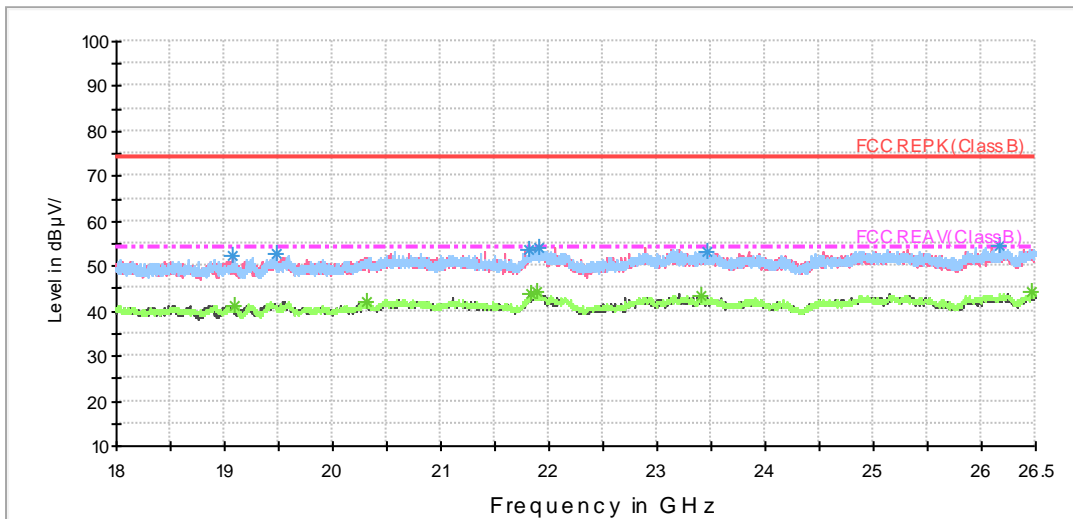


RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

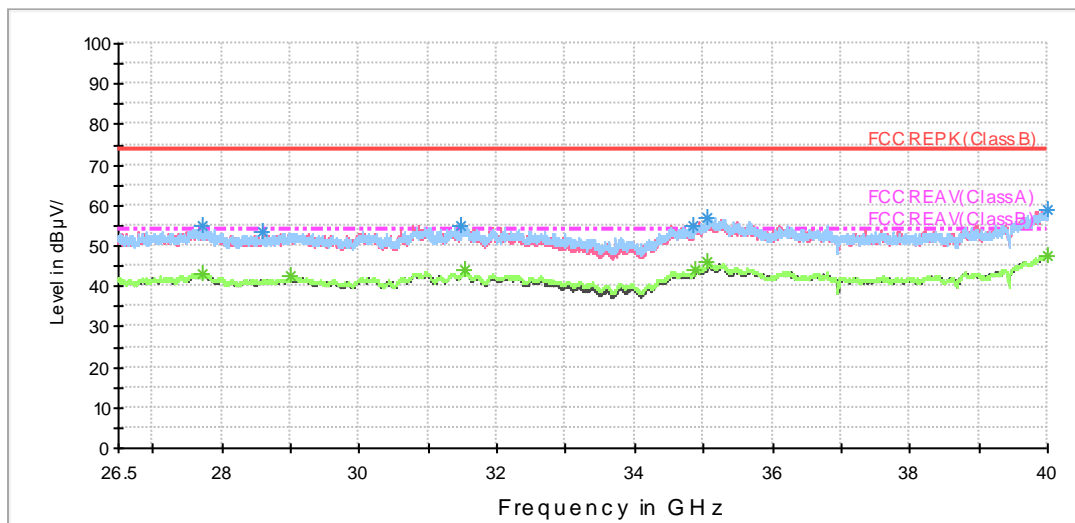
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3248.125000	37.9	200.0	V	333.0	40.4	-2.5	36.1	74
4096.250000	39.1	200.0	H	223.0	40.1	-1.0	34.9	74
4844.375000	40.5	200.0	H	183.0	38.9	1.6	33.5	74
6650.000000	45.7	200.0	V	294.0	40.2	5.5	28.3	74
6920.000000	52.6	200.0	H	273.0	46.4	6.2	21.4	74
7410.625000	43.3	200.0	V	304.0	36.4	6.9	30.7	74

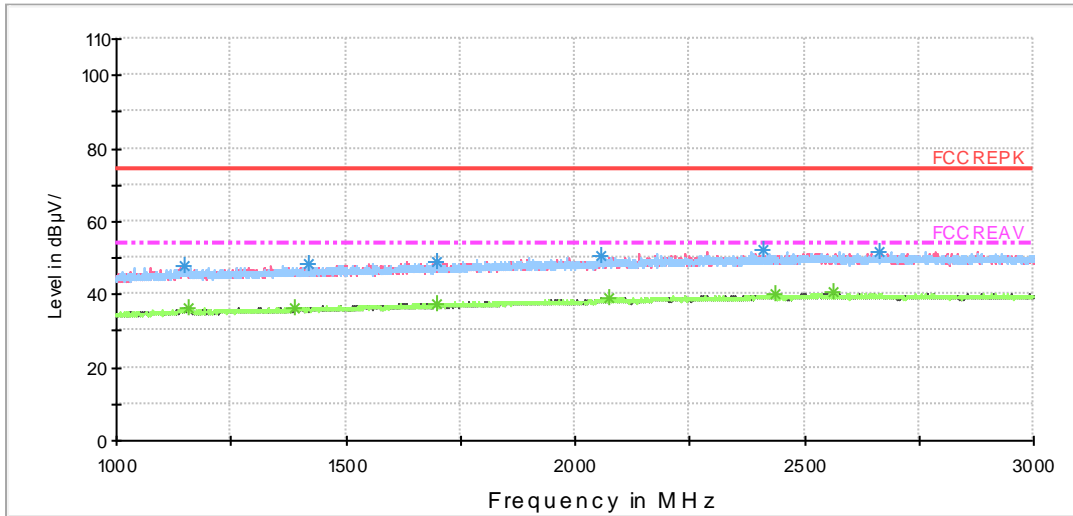
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3346.875000	27.7	200.0	V	0.0	30.0	-2.3	26.3	54
4085.625000	28.4	200.0	V	86.0	29.3	-0.9	25.6	54
4795.625000	31.0	200.0	V	0.0	29.8	1.2	23.0	54
6665.625000	34.6	200.0	V	304.0	29.1	5.5	19.4	54
6920.000000	50.5	200.0	H	273.0	44.3	6.2	3.5	54
7390.625000	33.3	200.0	V	0.0	26.4	6.9	20.7	54

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

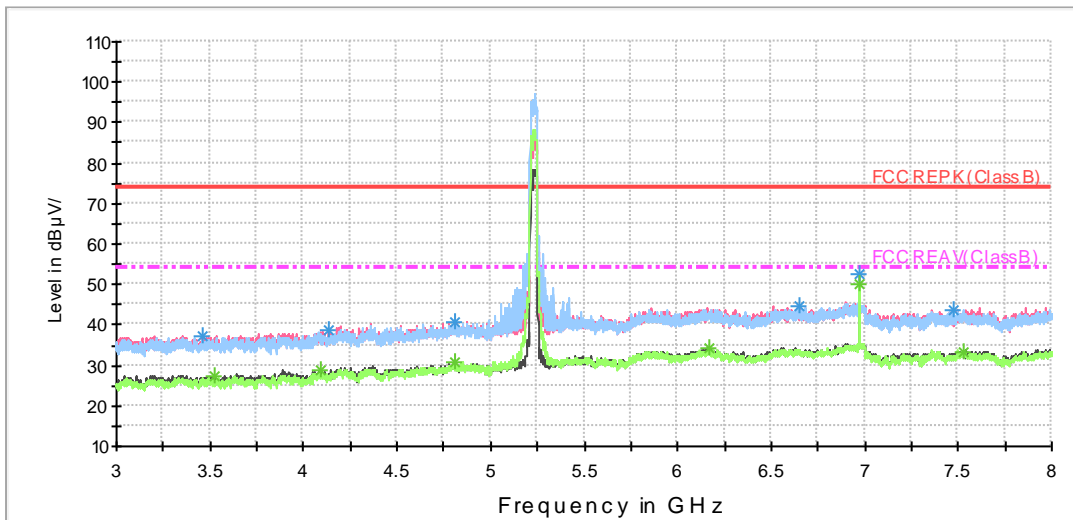
802.11ac (HT40) CH46

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

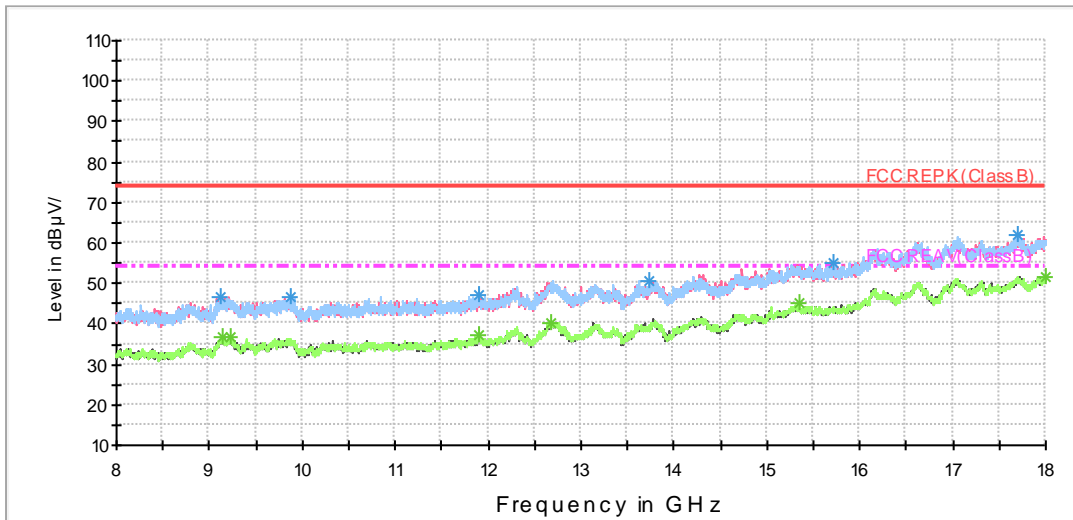
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

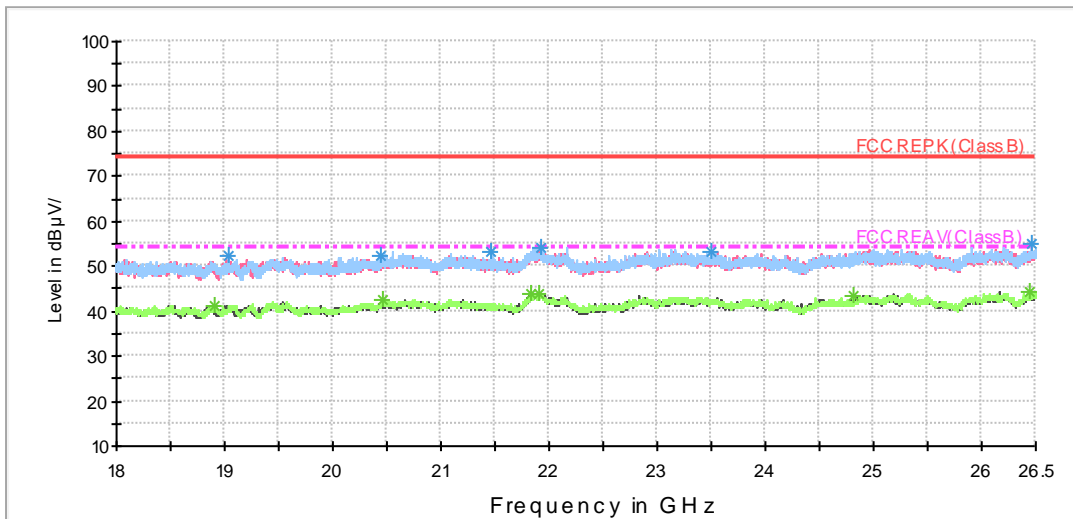
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

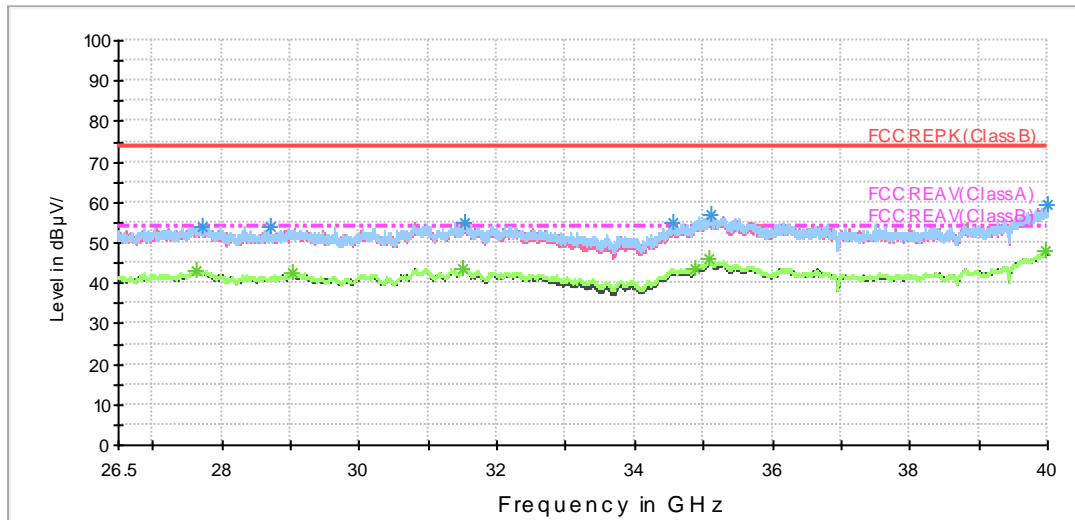
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3456.875000	37.2	200.0	V	336.0	39.4	-2.2	36.8	74
4130.625000	38.7	200.0	V	238.0	39.1	-0.4	35.3	74
4805.625000	40.7	200.0	H	98.0	39.4	1.3	33.3	74
6648.750000	44.7	200.0	V	277.0	39.2	5.5	29.3	74
6973.750000	52.4	200.0	H	269.0	46.1	6.3	21.6	74
7475.000000	43.6	200.0	H	0.0	36.8	6.8	30.4	74

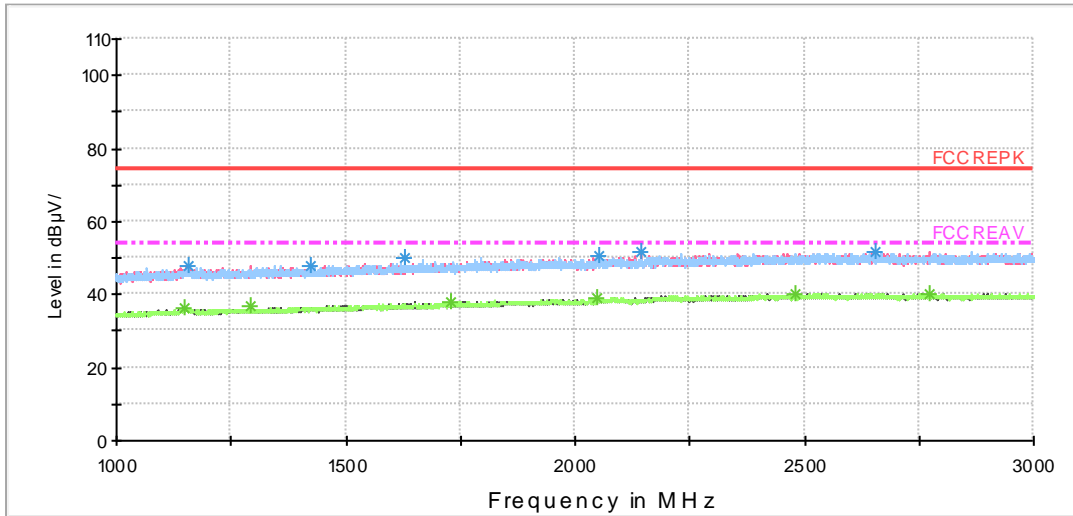
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3528.125000	27.4	200.0	V	209.0	29.4	-2.0	26.6	54
4092.500000	28.6	200.0	V	277.0	29.5	-0.9	25.4	54
4805.000000	30.8	200.0	H	59.0	29.5	1.3	23.2	54
6168.750000	34.4	200.0	V	110.0	28.9	5.5	19.6	54
6973.750000	50.0	200.0	H	269.0	43.7	6.3	4.0	54
7526.250000	33.2	200.0	V	209.0	26.1	7.1	20.8	54

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

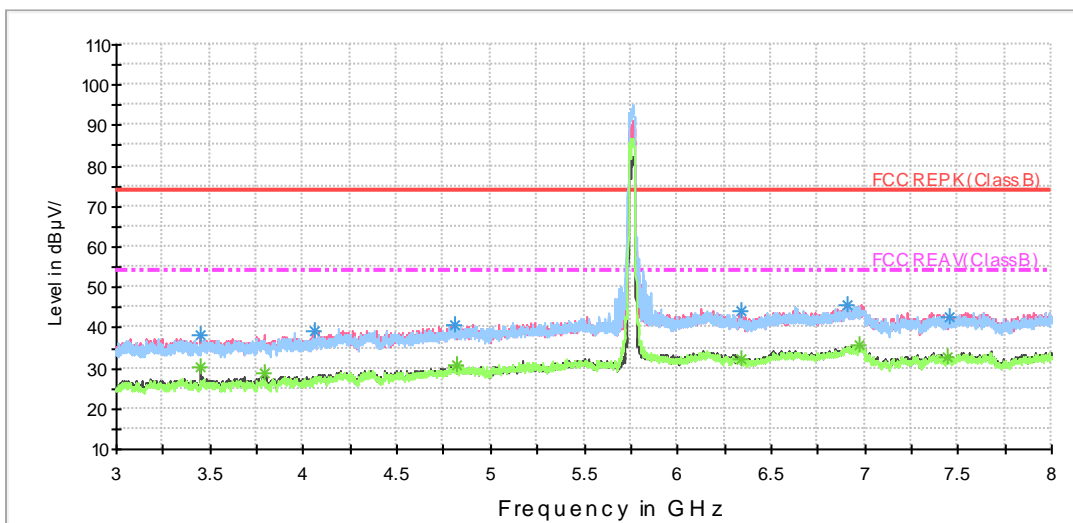
802.11ac (HT40) CH151

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

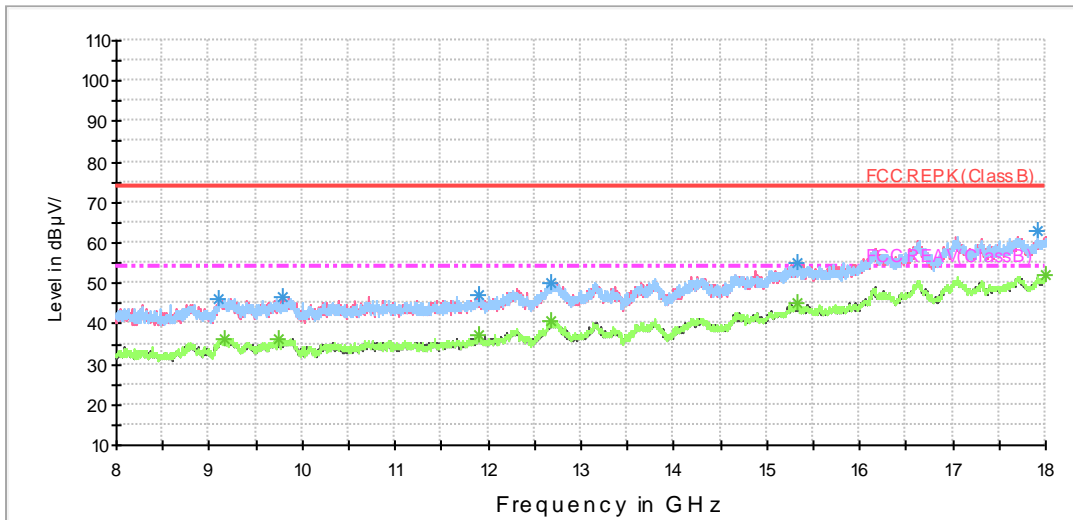
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

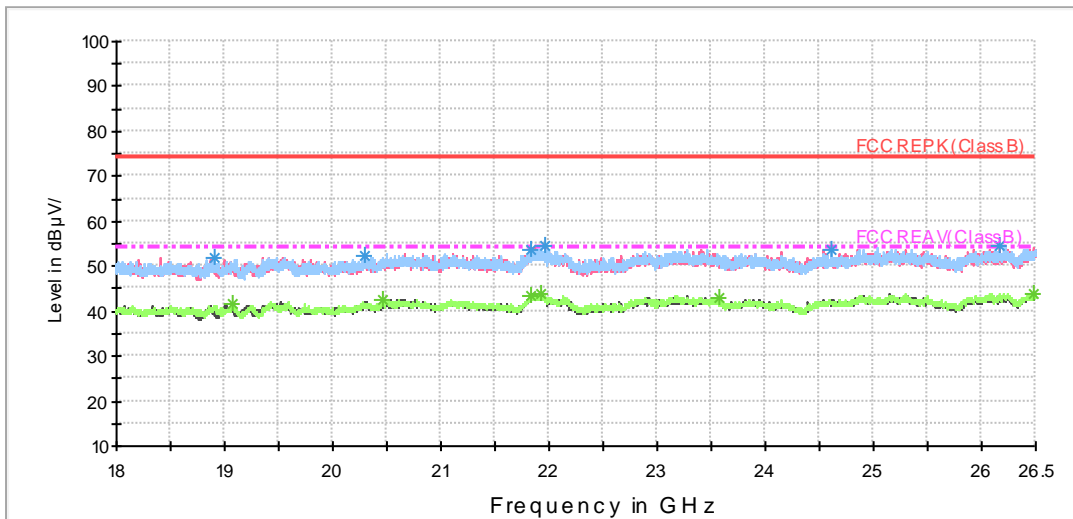
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



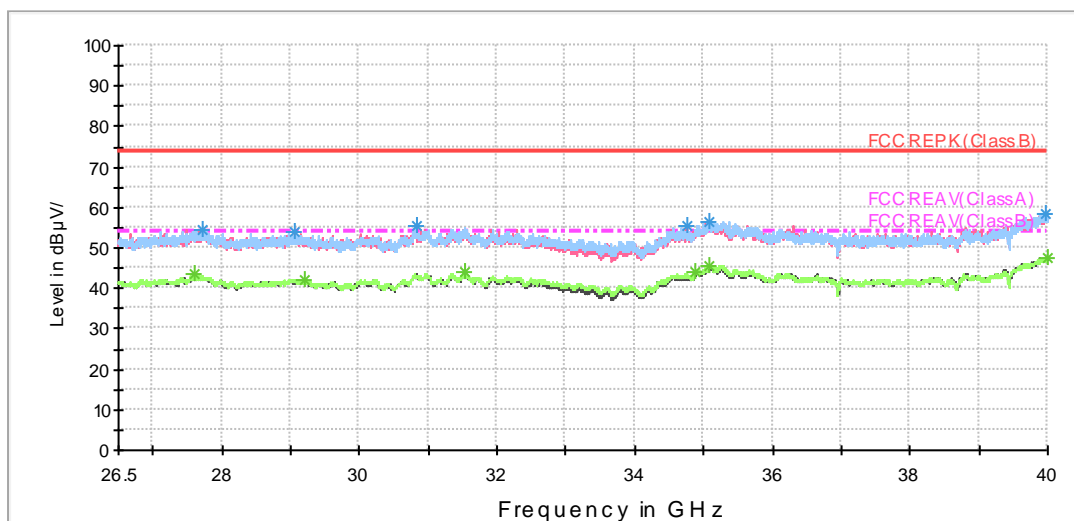
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3450.000000	38.4	200.0	V	186.0	40.6	-2.2	35.6	74
4060.625000	39.2	200.0	H	152.0	40.3	-1.1	34.8	74
4813.125000	40.7	200.0	V	333.0	39.4	1.3	33.3	74
6340.625000	44.2	200.0	V	127.0	38.8	5.4	29.8	74
6906.250000	45.9	200.0	V	343.0	39.6	6.3	28.1	74
7450.625000	42.9	200.0	V	246.0	36.1	6.8	31.1	74

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

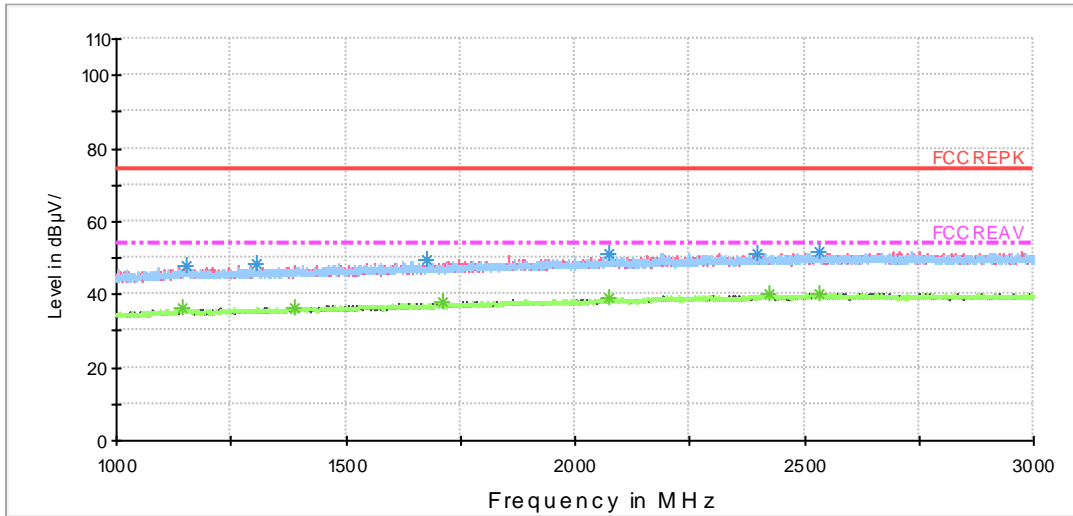
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3450.000000	30.1	200.0	V	186.0	32.3	-2.2	23.9	54
3795.000000	28.6	200.0	V	227.0	30.3	-1.7	25.4	54
4825.000000	30.6	200.0	H	182.0	29.2	1.4	23.4	54
6340.625000	32.5	200.0	V	127.0	27.1	5.4	21.5	54
6969.375000	35.6	200.0	H	132.0	29.3	6.3	18.4	54
7447.500000	32.9	200.0	V	304.0	26.2	6.7	21.1	54

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



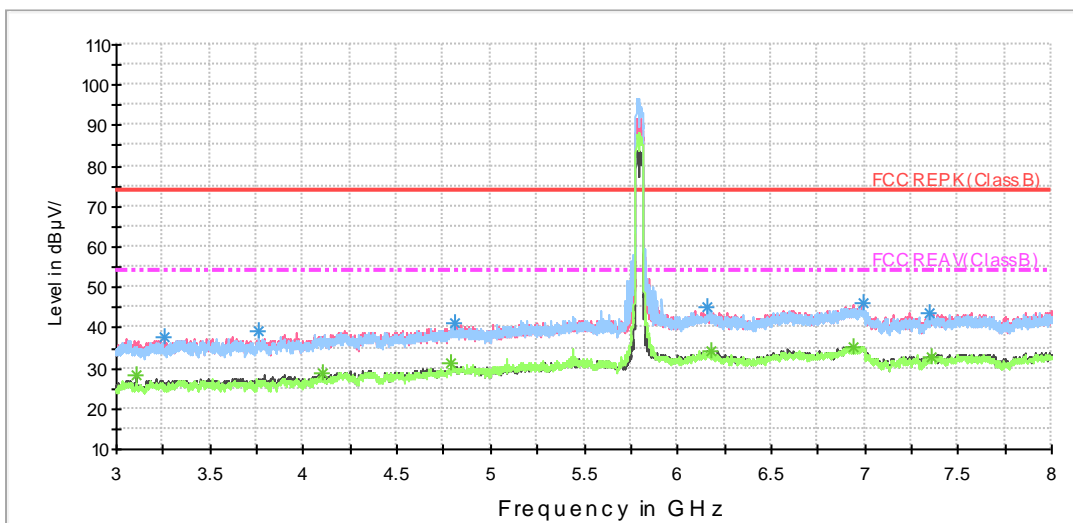
802.11ac (HT40) CH159

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

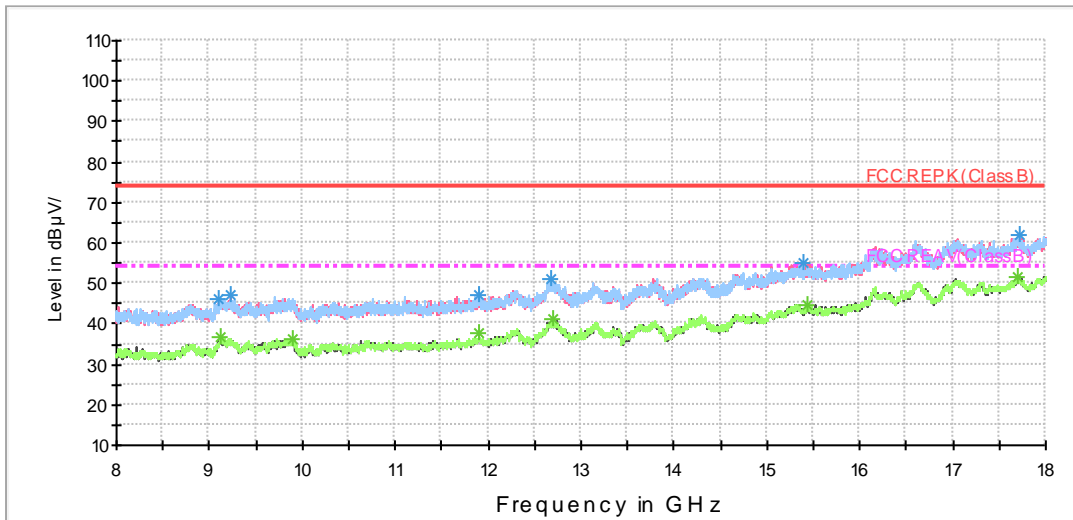
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

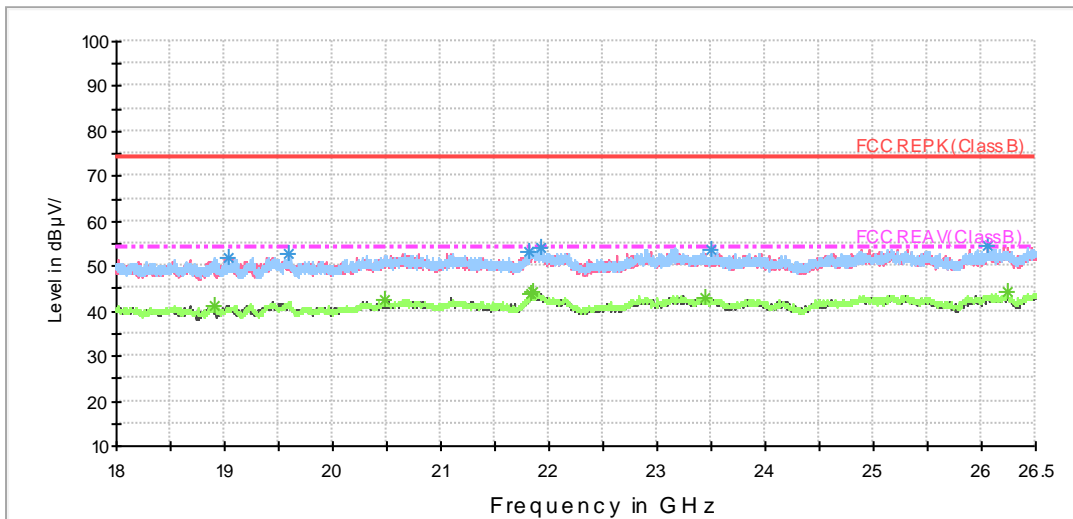
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

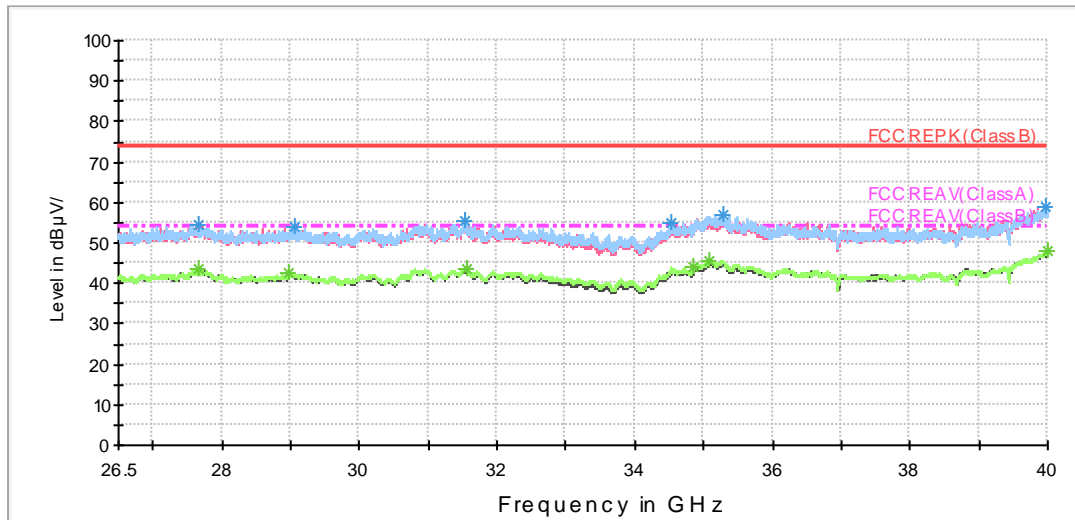
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3255.000000	37.5	200.0	V	235.0	40.0	-2.5	36.5	74
3756.250000	39.1	200.0	H	314.0	40.7	-1.6	34.9	74
4806.875000	41.1	200.0	V	323.0	39.8	1.3	32.9	74
6161.250000	45.0	200.0	H	241.0	39.3	5.7	29.0	74
6990.625000	46.1	200.0	V	333.0	39.6	6.5	27.9	74
7348.750000	43.4	200.0	V	353.0	36.4	7.0	30.6	74

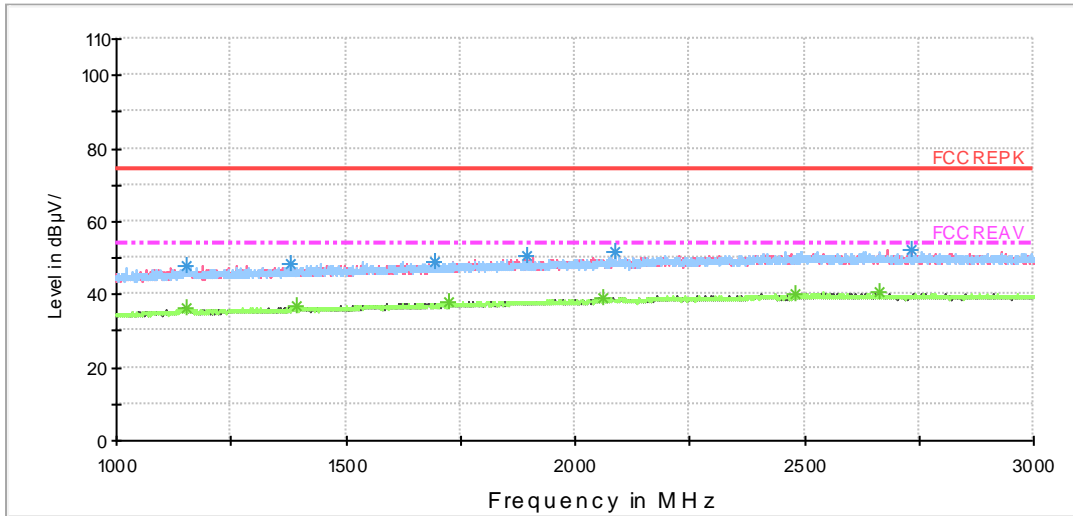
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3105.000000	28.1	200.0	V	235.0	30.9	-2.8	25.9	54
4098.750000	28.6	200.0	V	314.0	29.6	-1.0	25.4	54
4792.500000	31.1	200.0	H	183.0	29.9	1.2	22.9	54
6180.000000	34.3	200.0	V	353.0	29.0	5.3	19.7	54
6945.000000	35.4	200.0	V	156.0	29.3	6.1	18.6	54
7354.375000	32.9	200.0	H	303.0	25.9	7.0	21.1	54

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

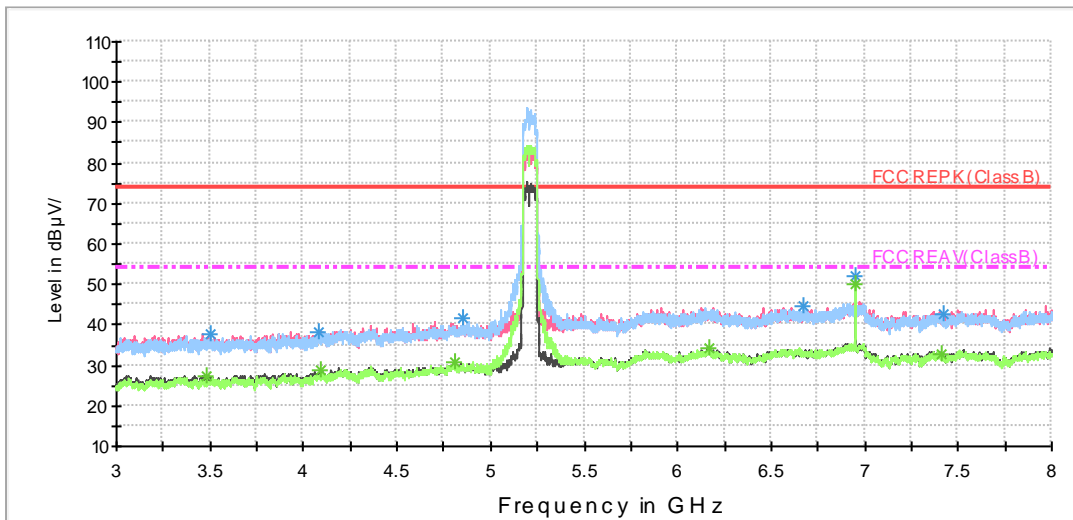
802.11ac (HT80) CH42

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

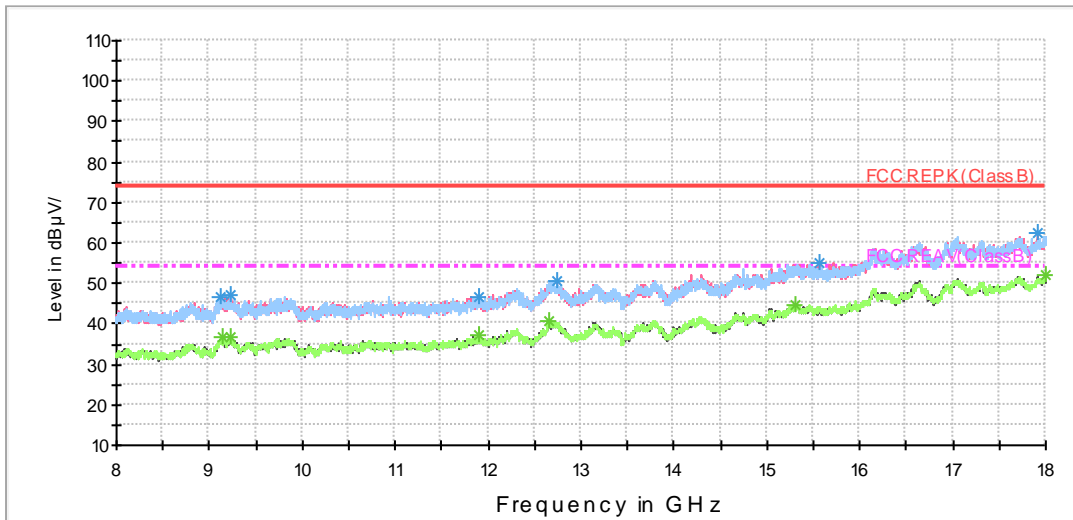
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

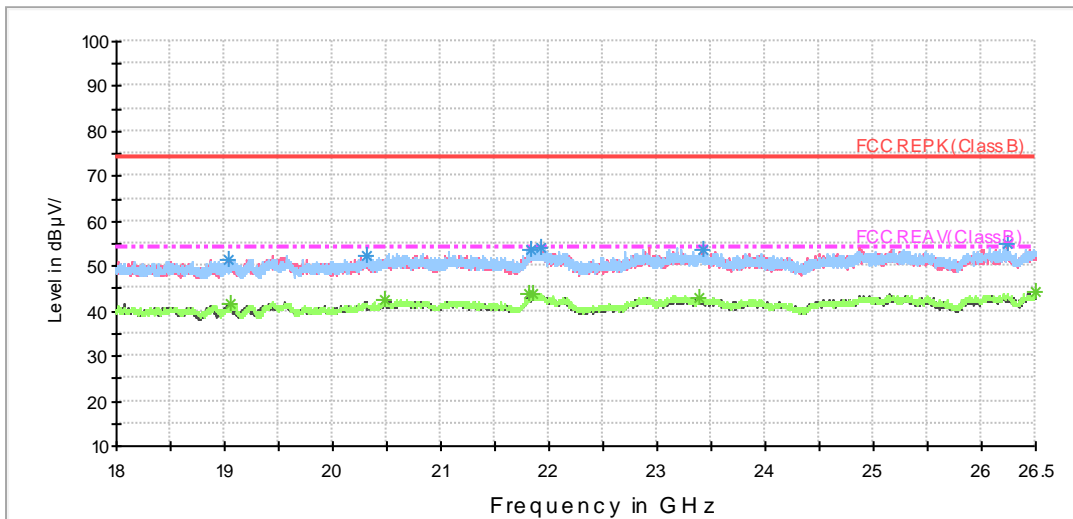
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

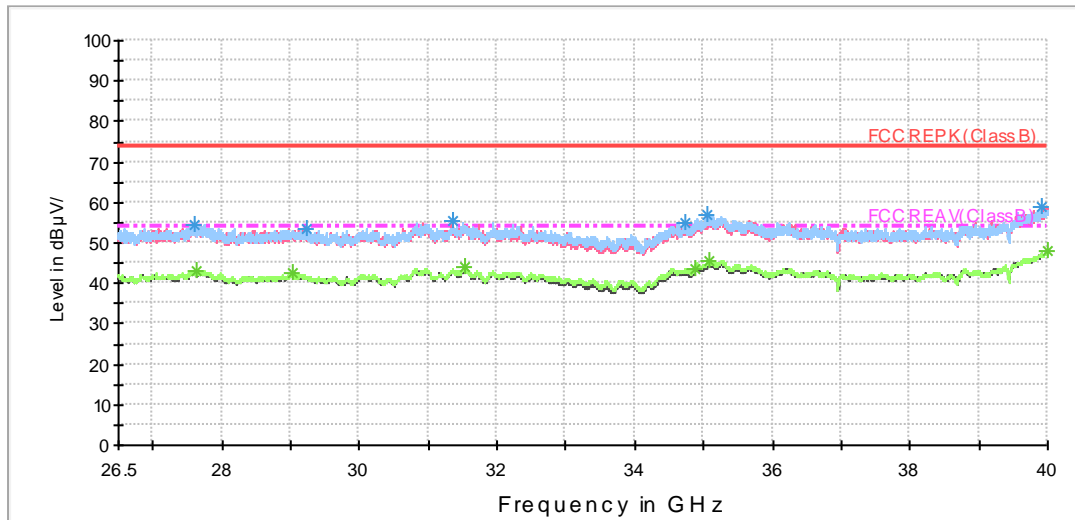
RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3506.875000	37.6	200.0	H	38.0	39.6	-2.0	36.4	74
4076.875000	38.4	200.0	H	38.0	39.3	-0.9	35.6	74
4851.250000	41.8	200.0	V	207.0	40.2	1.6	32.2	74
6673.125000	44.5	200.0	H	48.0	39.0	5.5	29.5	74
6946.875000	52.1	200.0	H	262.0	45.9	6.2	21.9	74
7425.000000	42.8	200.0	V	315.0	35.9	6.9	31.2	74

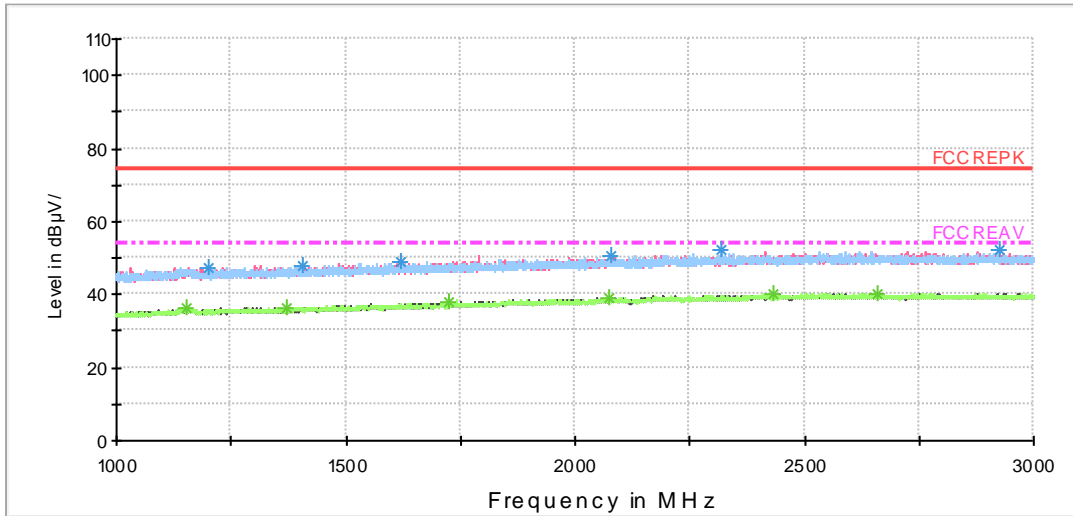
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3483.125000	27.5	200.0	V	207.0	29.5	-2.0	26.5	54
4093.125000	28.7	200.0	V	275.0	29.6	-0.9	25.3	54
4806.250000	31.0	200.0	V	147.0	29.7	1.3	23.0	54
6170.625000	34.3	200.0	V	127.0	28.8	5.5	19.7	54
6946.875000	50.2	200.0	H	262.0	44.0	6.2	3.8	54
7410.625000	32.9	200.0	V	167.0	26.0	6.9	21.1	54

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

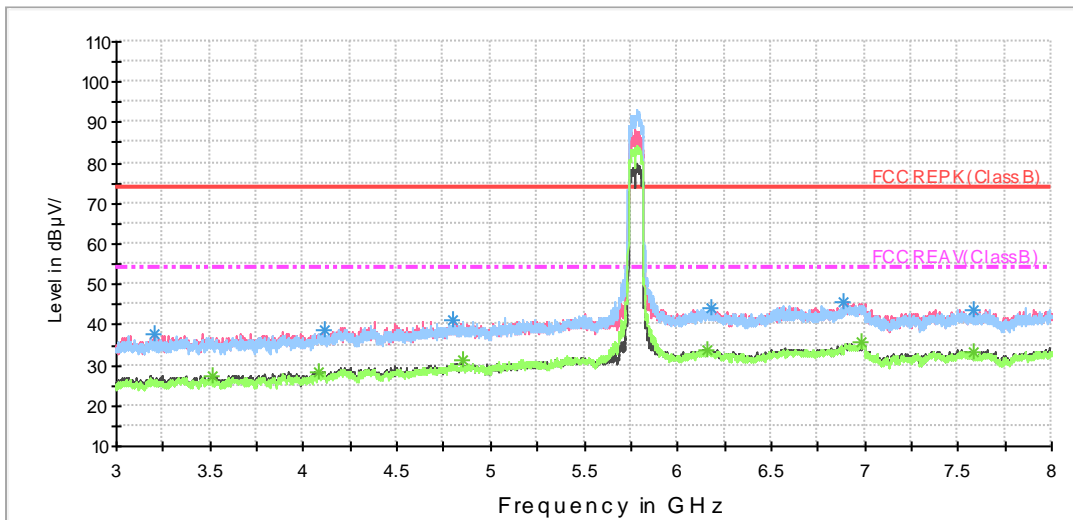
### 802.11ac (HT80) CH155

FCC RE 1G-3GHz PK+AV Class B



Radiates Emission from 1GHz to 3GHz

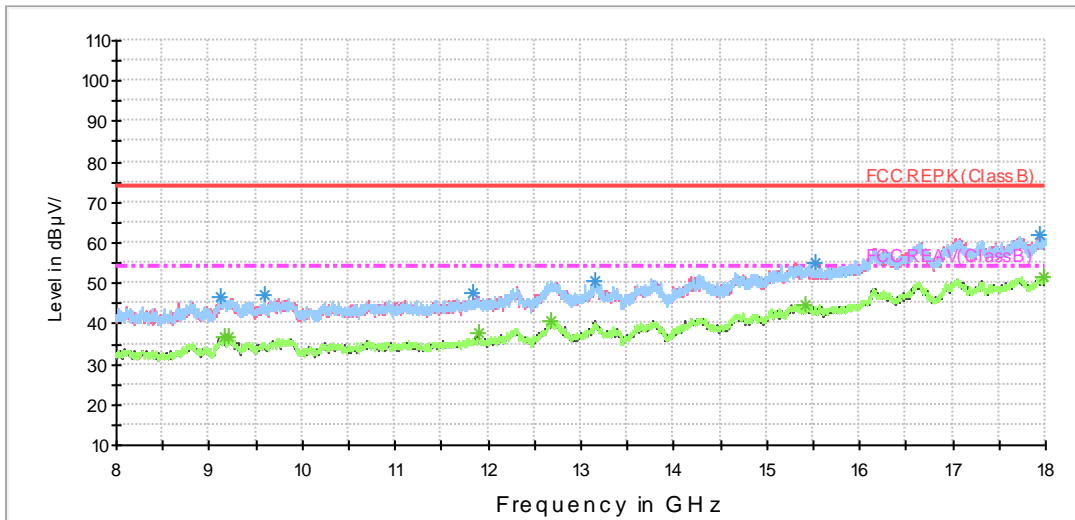
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

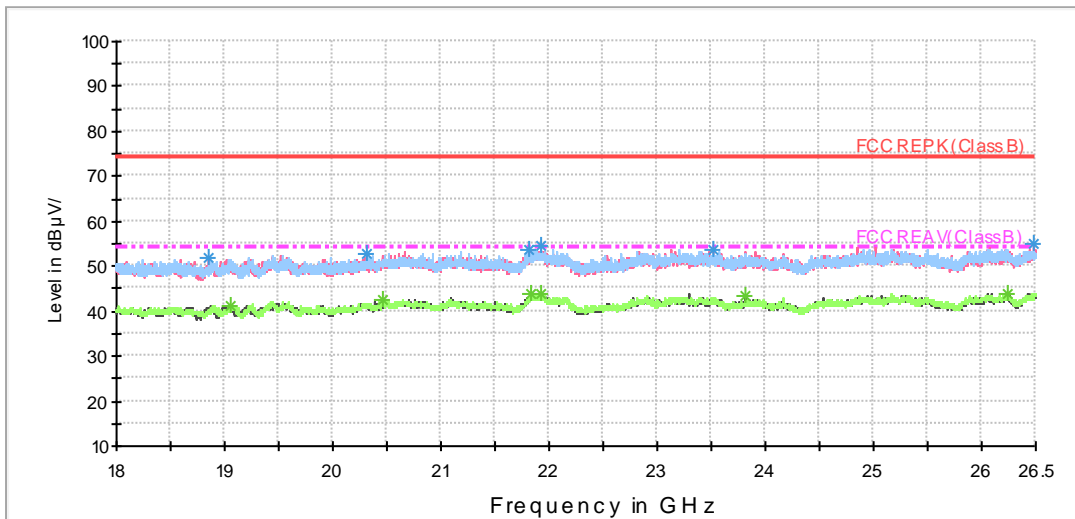
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV

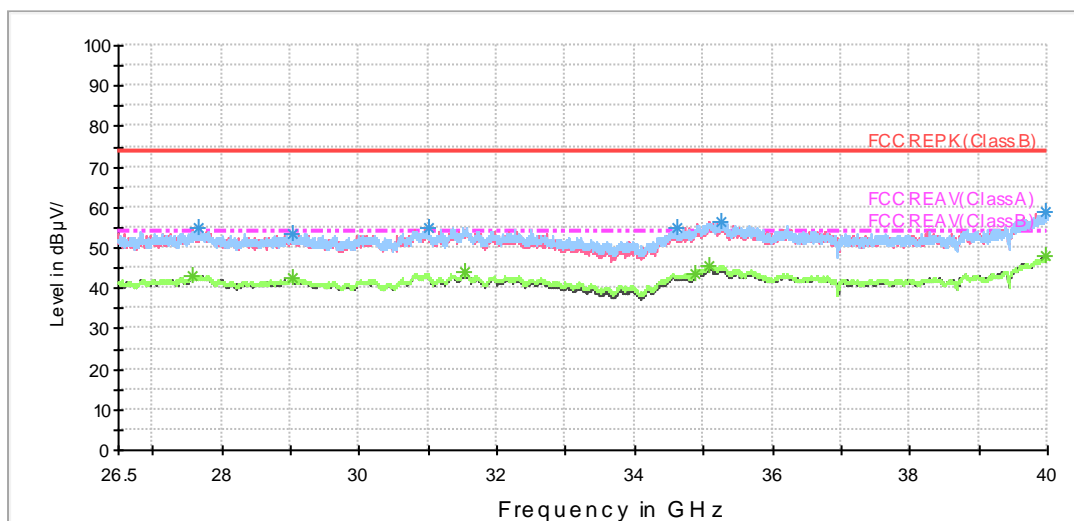


Radiates Emission from 18GHz to 26.5GHz





BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3198.125000	37.8	200.0	V	329.0	40.7	-2.9	36.2	74
4108.750000	38.7	200.0	V	167.0	39.5	-0.8	35.3	74
4795.000000	40.9	200.0	H	55.0	39.7	1.2	33.1	74
6184.375000	43.9	200.0	V	167.0	38.5	5.4	30.1	74
6888.125000	45.5	200.0	V	146.0	39.4	6.1	28.5	74
7582.500000	43.4	200.0	V	136.0	36.3	7.1	30.6	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3510.625000	27.4	200.0	V	329.0	29.4	-2.0	26.6	54
4077.500000	28.2	200.0	V	247.0	29.1	-0.9	25.8	54
4848.750000	31.1	200.0	V	197.0	29.5	1.6	22.9	54
6161.875000	33.6	200.0	V	217.0	28.0	5.6	20.4	54
6980.625000	35.7	200.0	H	94.0	29.3	6.4	18.3	54
7577.500000	33.1	200.0	V	207.0	26.0	7.1	20.9	54

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

## 5.6. Conducted Emission

### Ambient condition

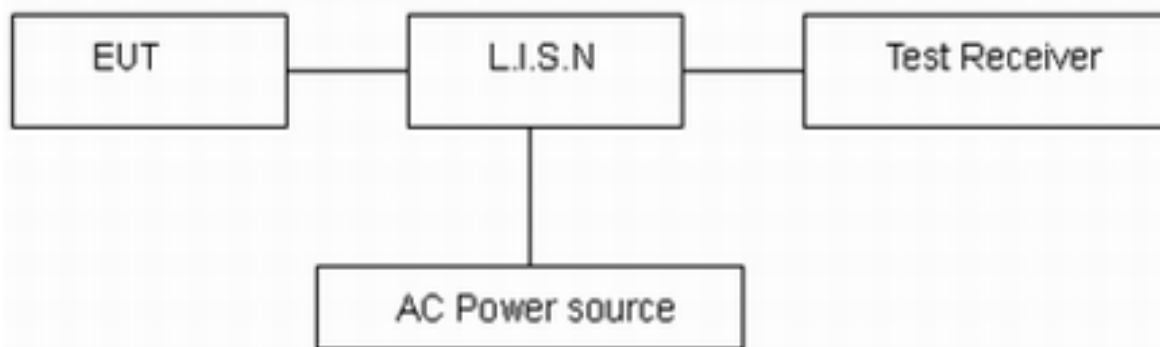
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

### Methods of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10-2013. Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



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

### Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

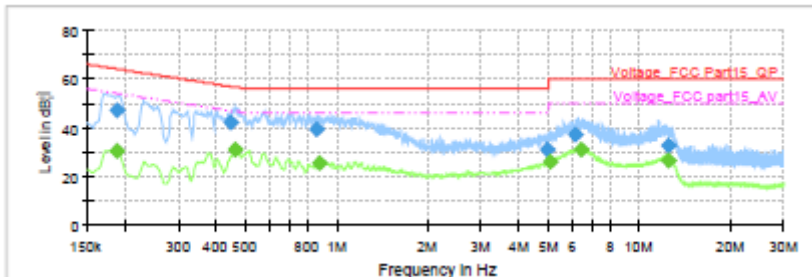
\*: Decreases with the logarithm of the frequency.

### Measurement Uncertainty

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

**Test Results:**

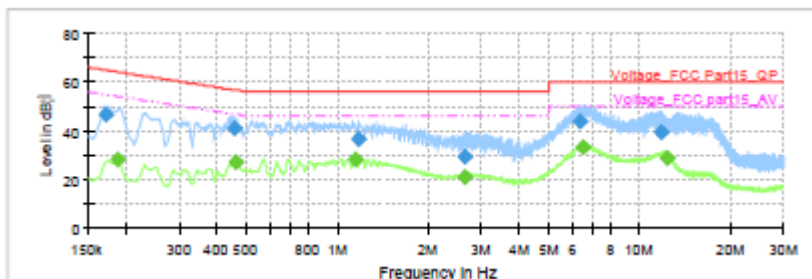
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11a, Channel 165 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dB; 1V)	Average (dB; 1V)	Limit (dB; 1V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
0.188250	---	30.28	54.11	23.83	1000.0	9.000	L1	ON
0.188250	47.24	---	64.11	16.88	1000.0	9.000	L1	ON
0.447000	42.27	---	56.93	14.66	1000.0	9.000	L1	ON
0.460500	---	31.03	46.68	15.65	1000.0	9.000	L1	ON
0.856500	39.32	---	56.00	16.68	1000.0	9.000	L1	ON
0.874500	---	25.63	46.00	20.37	1000.0	9.000	L1	ON
4.953750	31.07	---	56.00	24.93	1000.0	9.000	L1	ON
5.082000	---	26.16	50.00	23.84	1000.0	9.000	L1	ON
6.162000	37.17	---	60.00	22.83	1000.0	9.000	L1	ON
6.429750	---	30.84	50.00	19.16	1000.0	9.000	L1	ON
12.410250	---	26.72	50.00	23.28	1000.0	9.000	L1	ON
12.482250	32.52	---	60.00	27.48	1000.0	9.000	L1	ON

L line

Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dB; 1V)	Average (dB; 1V)	Limit (dB; 1V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
0.172500	46.43	---	64.84	18.41	1000.0	9.000	N	ON
0.188250	---	28.56	54.11	25.56	1000.0	9.000	N	ON
0.458250	41.25	---	56.72	15.47	1000.0	9.000	N	ON
0.460500	---	27.33	46.68	19.35	1000.0	9.000	N	ON
1.151250	---	28.23	46.00	17.77	1000.0	9.000	N	ON
1.180500	36.43	---	56.00	19.57	1000.0	9.000	N	ON
2.640750	---	21.24	46.00	24.76	1000.0	9.000	N	ON
2.643000	29.26	---	56.00	26.74	1000.0	9.000	N	ON
6.344250	43.66	---	60.00	16.34	1000.0	9.000	N	ON
6.497250	---	33.34	50.00	16.66	1000.0	9.000	N	ON
11.773500	39.19	---	60.00	20.81	1000.0	9.000	N	ON
12.363000	---	29.03	50.00	20.97	1000.0	9.000	N	ON

N line

Conducted Emission from 150 KHz to 30 MHz



## 6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV40	15195-01-00	2020-05-18	2021-05-17
EMI Test Receiver	R&S	ESCI	100948	2020-05-18	2021-05-17
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-09-26	2020-09-25
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	9163-201	2017-11-18	2020-11-17
Horn Antenna	R&S	HF907	102723	2018-08-11	2021-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2018-06-20	2021-06-19
Standard Gain Horn	STEATITE	QSH-SL-26-40 -K-15	16779	2017-07-20	2020-07-19
Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2018-07-07	2020-07-06
EMI Test Receiver	R&S	ESR	101667	2020-05-18	2021-05-17
LISN	R&S	ENV216	101171	2018-12-15	2021-12-14
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420163	2019-12-15	2020-12-14
RF Cable	Agilent	SMA 15cm	0001	2020-06-11	2020-12-10
TEMPERATURE CHAMBER	WEISS	VT4002	582261194500 10	2019-12-15	2020-12-14
Power Meter	R&S	NRP2	104306	2020-05-18	2021-05-17
Power Sensor	R&S	NRP-Z21	104799	2020-05-18	2021-05-17
DC Power Supply	GWINSTEK	GPS-3030D	GEP882653	2020-05-18	2021-05-17
Software	R&S	EMC32	9.26.0	/	/

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