



802.11n (HT20) CH40

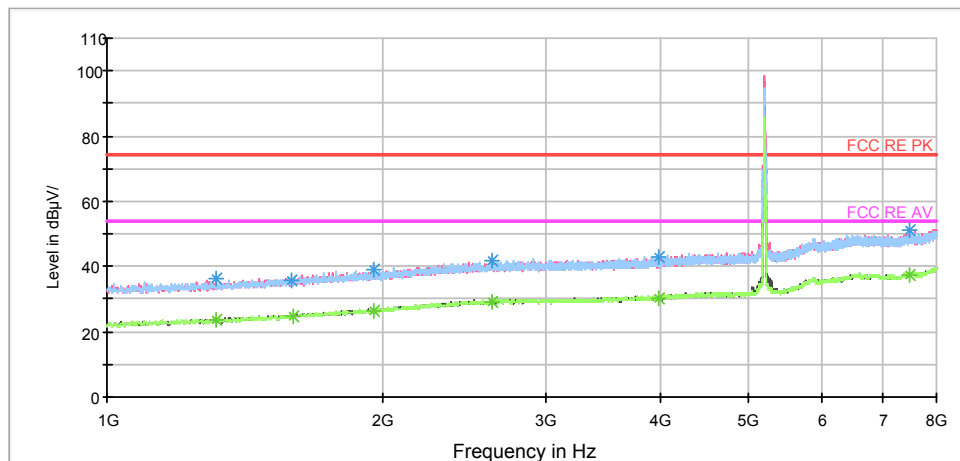
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1317.625000	36.3	100.0	H	9.0	43.8	-7.5	37.7	74
1590.625000	35.7	100.0	V	78.0	41.6	-5.9	38.3	74
1952.000000	38.8	100.0	H	207.0	42.6	-3.8	35.2	74
2631.000000	41.8	100.0	V	0.0	42.5	-0.7	32.2	74
3992.500000	42.8	100.0	H	218.0	42.3	0.5	31.2	74
7466.250000	51.2	100.0	H	186.0	43.2	8.0	22.8	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)
1317.625000	23.5	100.0	H	9.0	31.0	-7.5	30.5	54
1592.375000	25.0	100.0	H	228.0	30.9	-5.9	29.0	54
1952.000000	26.4	100.0	H	207.0	30.2	-3.8	27.6	54
2631.000000	29.3	100.0	V	0.0	30.0	-0.7	24.7	54
3992.500000	30.2	100.0	H	218.0	29.7	0.5	23.8	54
7466.250000	37.6	100.0	H	186.0	29.6	8.0	16.4	54

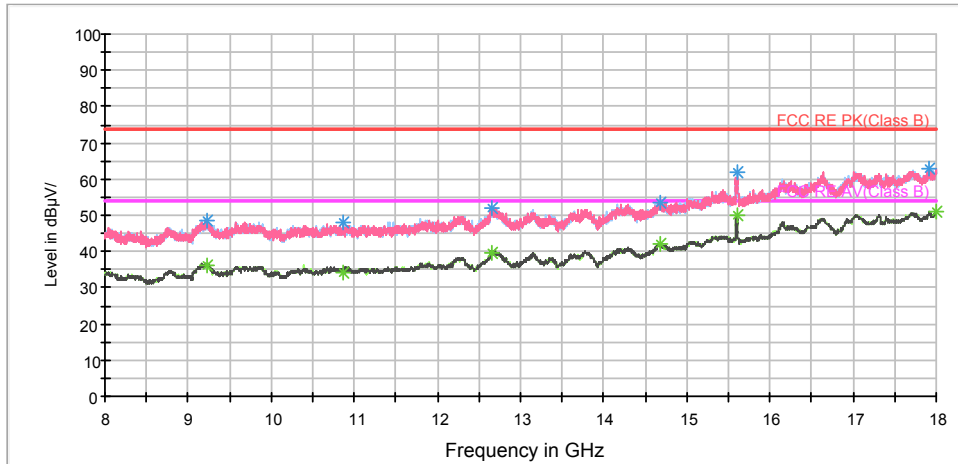
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



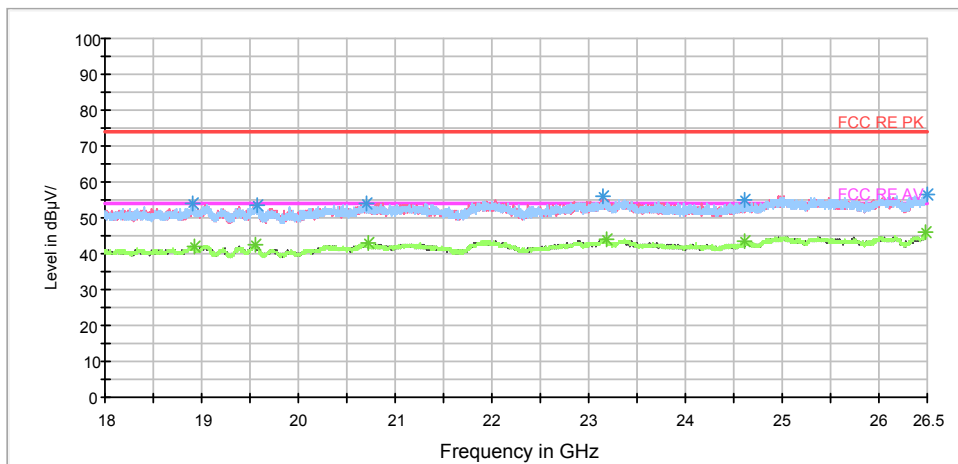
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



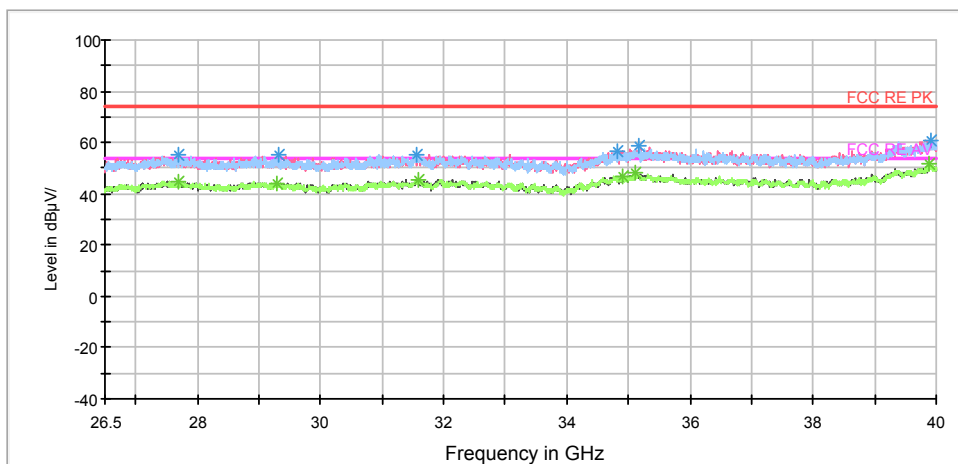
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11n (HT20) CH48

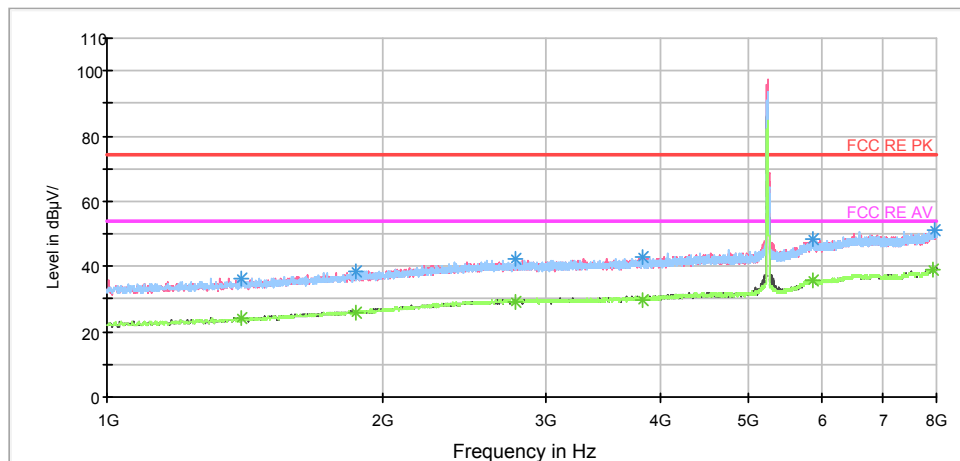
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1403.375000	36.3	100.0	H	33.0	43.2	-6.9	37.7	74
1870.625000	38.5	100.0	H	54.0	42.6	-4.1	35.5	74
2785.000000	42.5	100.0	H	3.0	43.0	-0.5	31.5	74
3830.625000	42.6	100.0	V	0.0	42.1	0.5	31.4	74
5857.125000	48.2	100.0	V	216.0	42.6	5.6	25.8	74
7958.000000	51.2	100.0	H	157.0	41.2	10.0	22.8	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)
1403.375000	24.0	100.0	H	33.0	30.9	-6.9	30.0	54
1870.625000	26.0	100.0	H	54.0	30.1	-4.1	28.0	54
2785.000000	29.3	100.0	H	3.0	29.8	-0.5	24.7	54
3830.625000	29.9	100.0	V	0.0	29.4	0.5	24.1	54
5857.125000	35.8	100.0	V	216.0	30.2	5.6	18.2	54
7939.625000	38.8	100.0	H	272.0	29.0	9.8	15.2	54

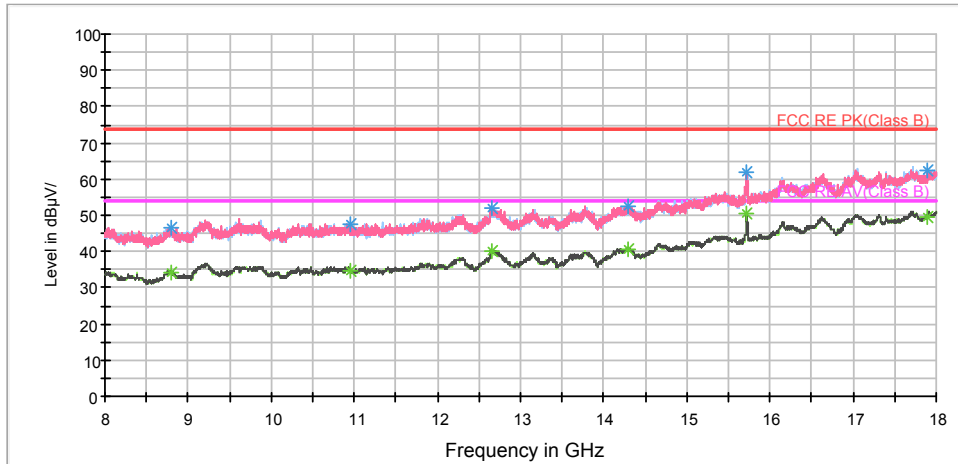
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



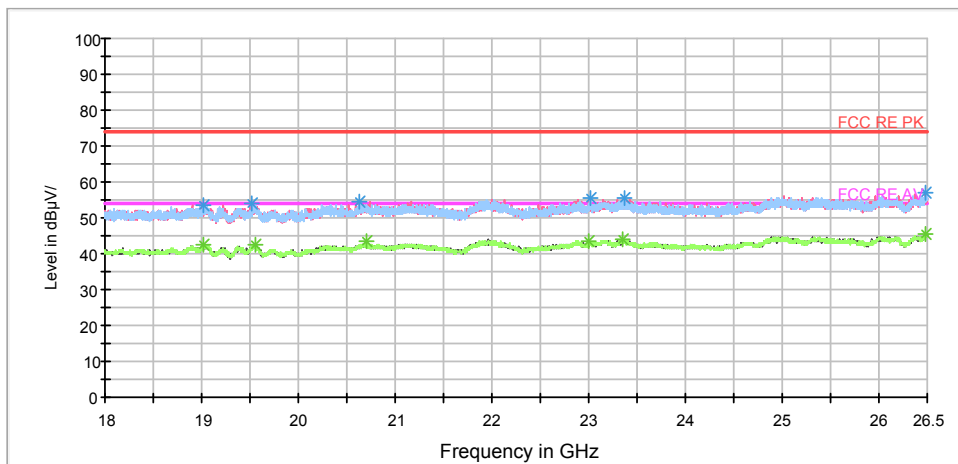
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



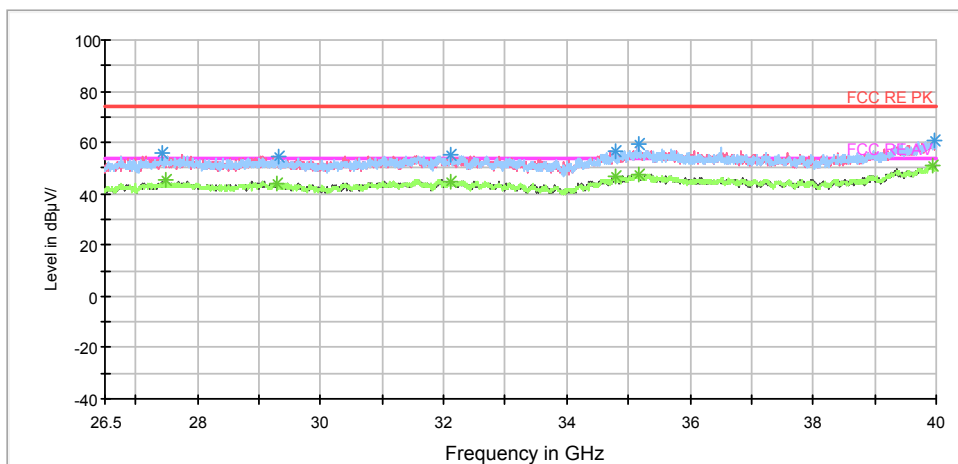
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



## 802.11n (HT20) CH52

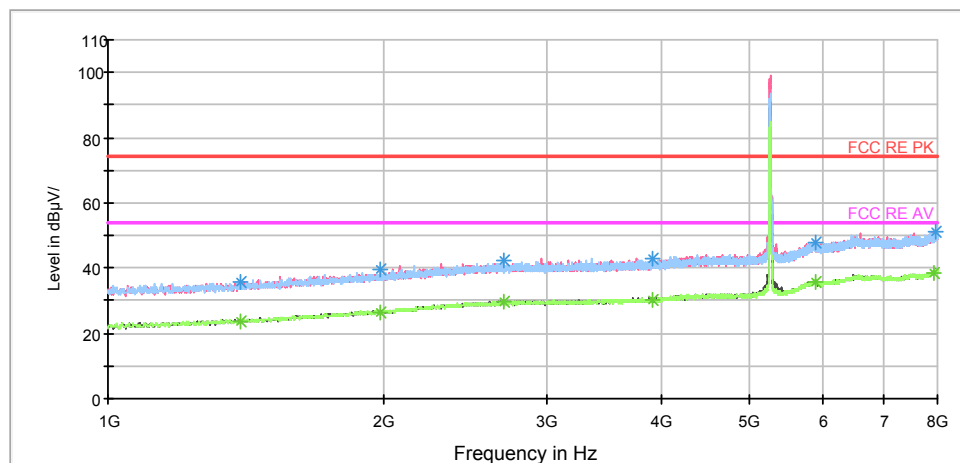
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1392.000000	35.9	100.0	H	0.0	42.9	-7.0	38.1	74
1983.500000	39.6	100.0	H	162.0	43.2	-3.6	34.4	74
2692.250000	42.2	100.0	H	1.0	42.9	-0.7	31.8	74
3925.125000	43.2	100.0	H	81.0	42.6	0.6	30.8	74
5882.500000	47.7	100.0	V	0.0	42.0	5.7	26.3	74
7960.625000	51.2	100.0	H	40.0	41.2	10.0	22.8	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)
1392.000000	23.8	100.0	H	0.0	30.8	-7.0	30.2	54
1983.500000	26.4	100.0	H	162.0	30.0	-3.6	27.6	54
2692.250000	29.5	100.0	H	1.0	30.2	-0.7	24.5	54
3925.125000	30.4	100.0	H	81.0	29.8	0.6	23.6	54
5884.250000	35.9	100.0	V	227.0	30.2	5.7	18.1	54
7920.375000	38.5	100.0	V	153.0	28.8	9.7	15.5	54

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

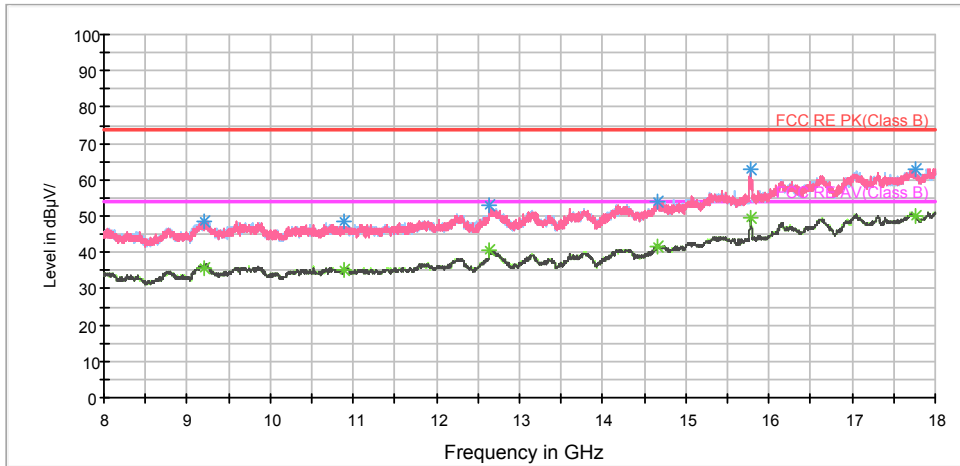
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

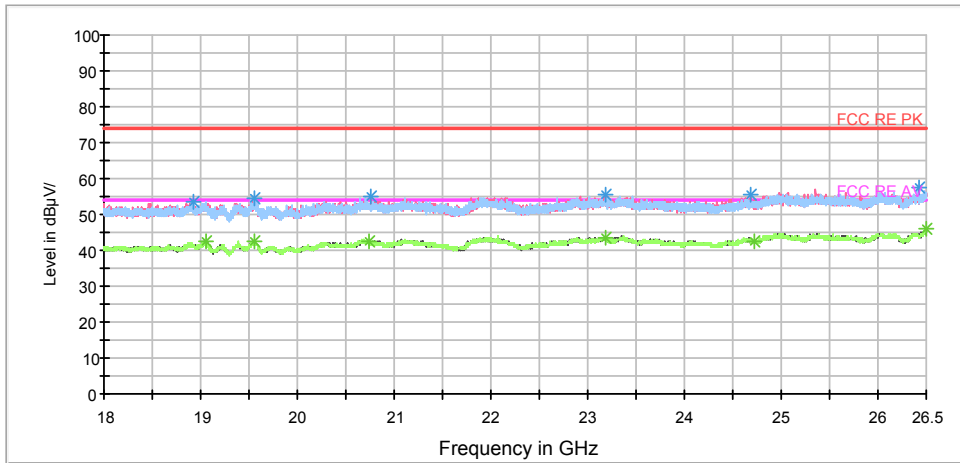
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



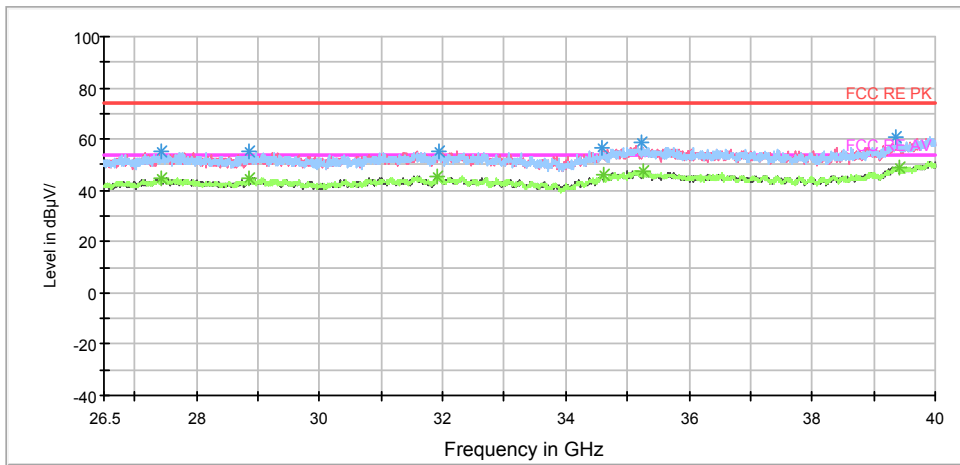
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11n (HT20) CH56

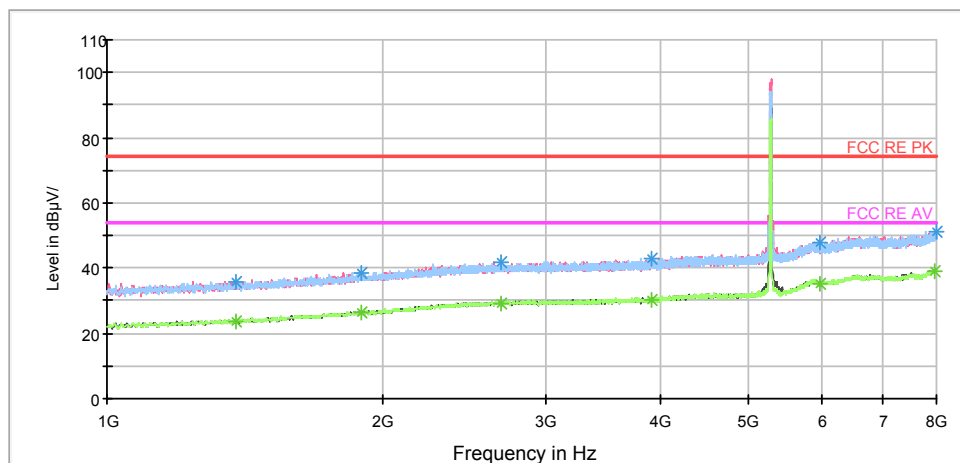
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1382.375000	36.0	100.0	H	4.0	43.1	-7.1	38.0	74
1888.125000	38.7	100.0	H	79.0	42.8	-4.1	35.3	74
2687.000000	41.6	100.0	H	136.0	42.3	-0.7	32.4	74
3914.625000	42.8	100.0	V	274.0	42.3	0.5	31.2	74
5976.125000	47.9	100.0	H	109.0	42.8	5.1	26.1	74
7991.250000	51.2	100.0	H	198.0	41.2	10.0	22.8	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)
1382.375000	23.6	100.0	H	4.0	30.7	-7.1	30.4	54
1888.125000	26.4	100.0	H	79.0	30.5	-4.1	27.6	54
2687.000000	29.0	100.0	H	136.0	29.7	-0.7	25.0	54
3914.625000	30.4	100.0	V	274.0	29.9	0.5	23.6	54
5984.875000	35.0	100.0	V	357.0	30.0	5.0	19.0	54
7953.625000	39.1	100.0	V	160.0	29.2	9.9	14.9	54

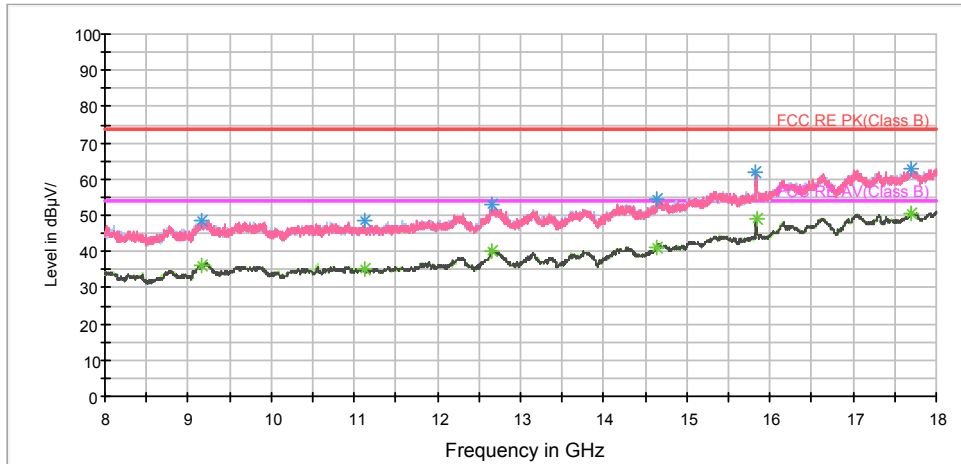
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



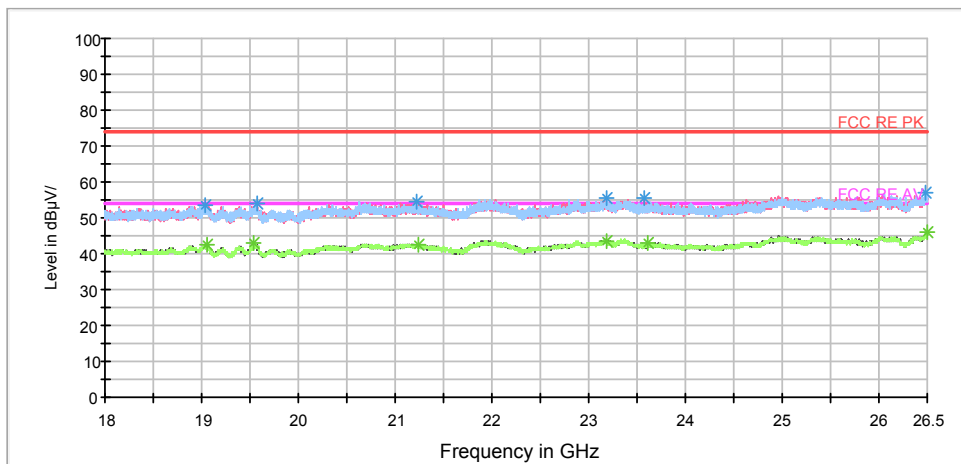
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



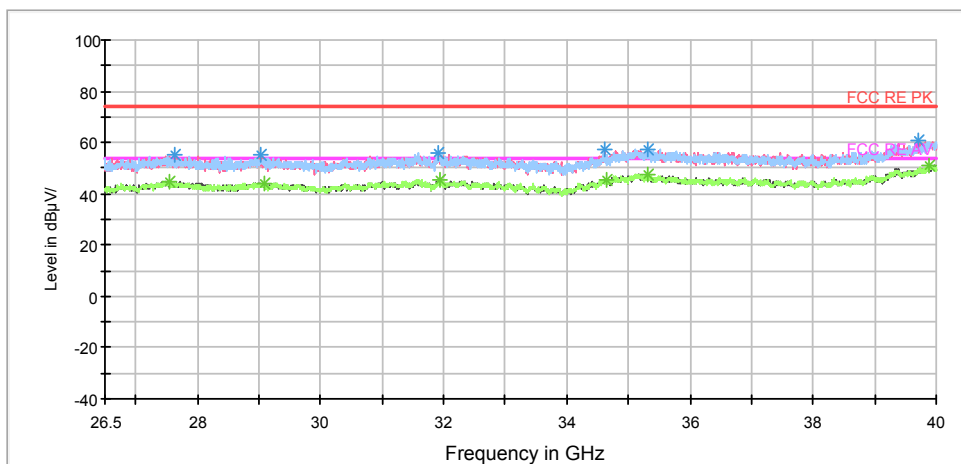
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz





802.11n (HT20) CH64

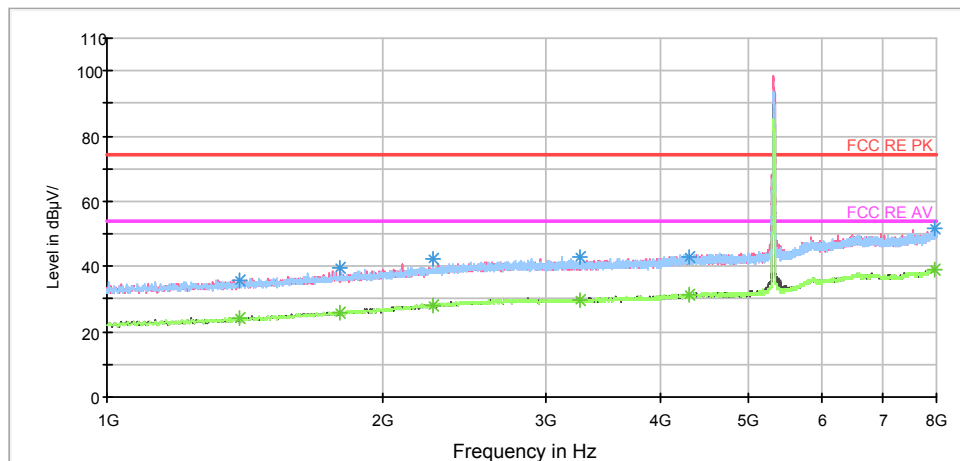
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1392.000000	35.8	100.0	H	3.0	42.8	-7.0	38.2	74
1791.000000	39.5	100.0	V	0.0	44.2	-4.7	34.5	74
2261.750000	42.1	100.0	V	129.0	44.0	-1.9	31.9	74
3274.125000	42.7	100.0	H	112.0	42.9	-0.2	31.3	74
4298.750000	42.7	100.0	V	0.0	41.4	1.3	31.3	74
7972.875000	51.7	100.0	V	234.0	41.7	10.0	22.3	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)
1392.000000	24.0	100.0	H	3.0	31.0	-7.0	30.0	54
1791.000000	25.7	100.0	V	0.0	30.4	-4.7	28.3	54
2261.750000	28.0	100.0	V	129.0	29.9	-1.9	26.0	54
3274.125000	29.6	100.0	H	112.0	29.8	-0.2	24.4	54
4298.750000	31.4	100.0	V	0.0	30.1	1.3	22.6	54
7973.750000	38.8	100.0	V	0.0	28.8	10.0	15.2	54

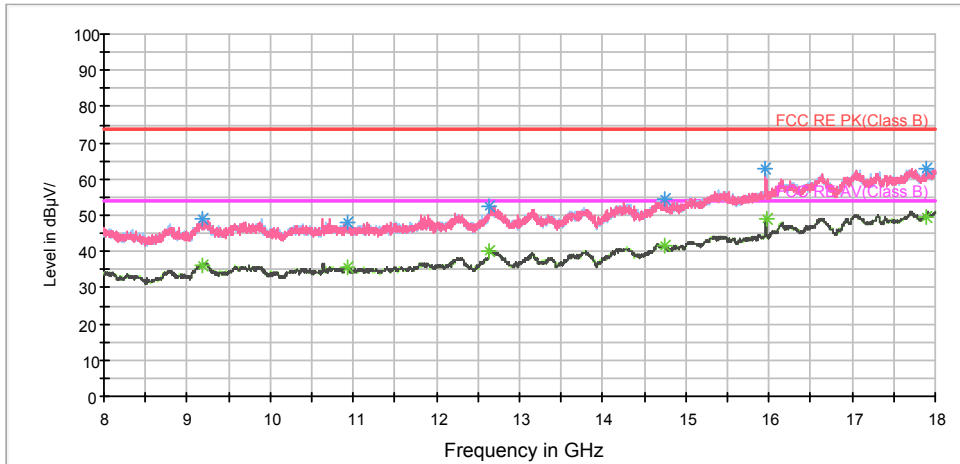
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



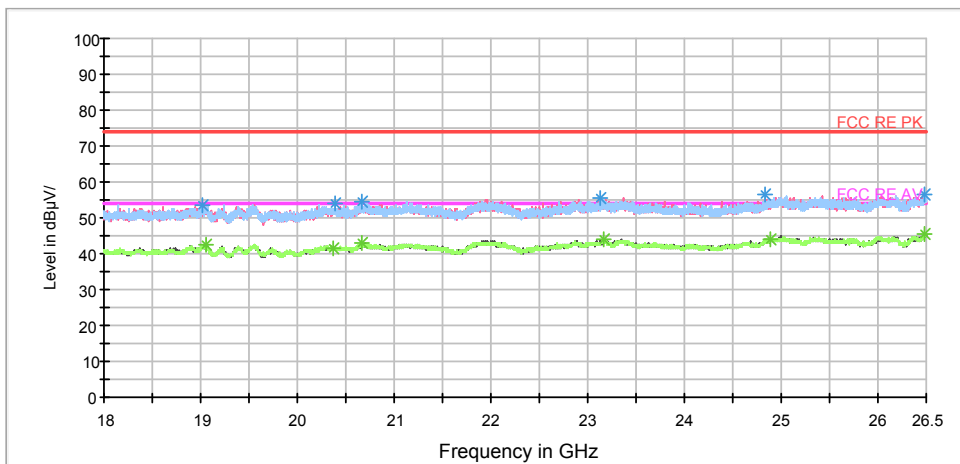
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



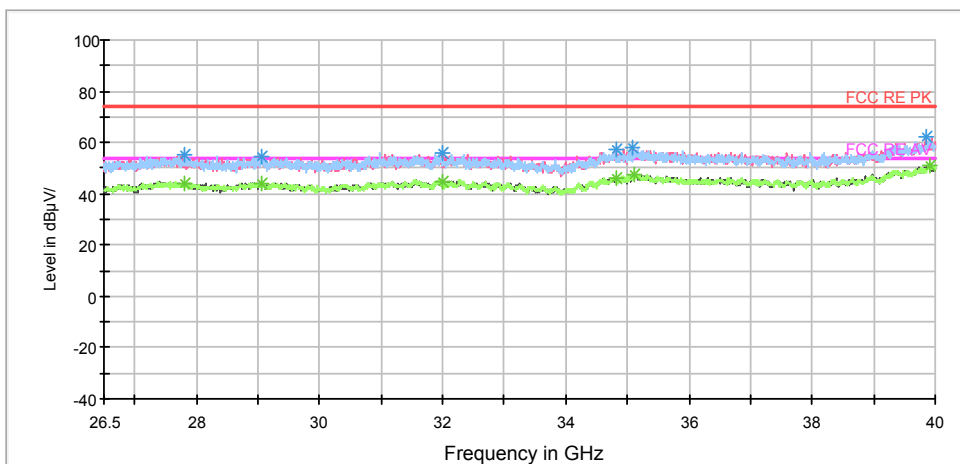
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz

802.11n (HT20) CH149

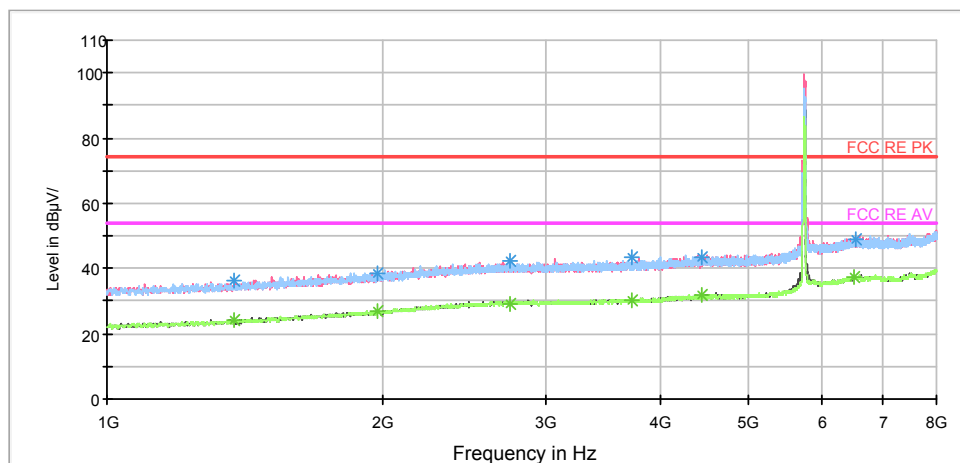
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1375.375000	36.5	100.0	V	123.0	43.6	-7.1	37.5	74
1969.500000	38.6	100.0	H	161.0	42.3	-3.7	35.4	74
2750.875000	42.6	100.0	H	39.0	43.2	-0.6	31.4	74
3730.875000	43.4	100.0	H	0.0	42.9	0.5	30.6	74
4433.500000	43.6	100.0	H	58.0	42.0	1.6	30.4	74
6545.750000	49.1	100.0	V	289.0	41.8	7.3	24.9	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)
1375.375000	24.0	100.0	V	123.0	31.1	-7.1	30.0	54
1969.500000	26.9	100.0	H	161.0	30.6	-3.7	27.1	54
2750.875000	29.1	100.0	H	39.0	29.7	-0.6	24.9	54
3730.875000	30.4	100.0	H	0.0	29.9	0.5	23.6	54
4442.250000	31.7	100.0	V	336.0	30.0	1.7	22.3	54
6520.375000	37.1	100.0	V	0.0	29.8	7.3	16.9	54

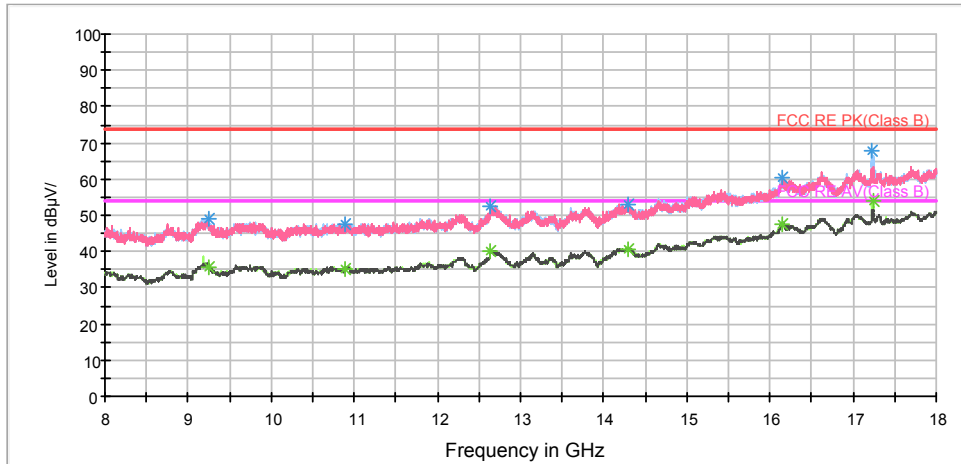
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



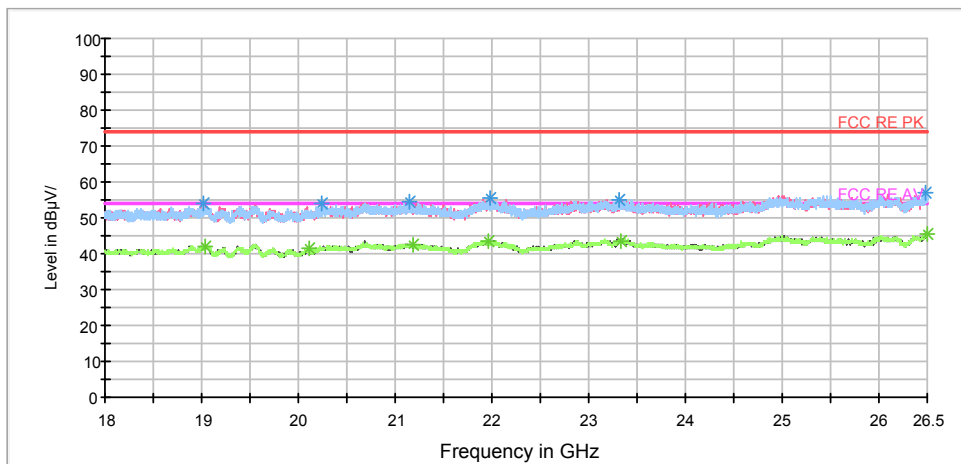
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



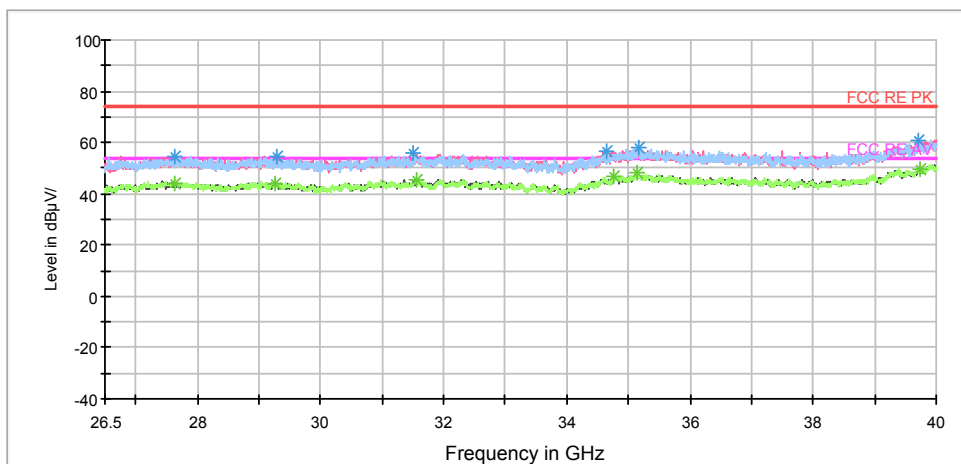
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11n (HT20) CH157

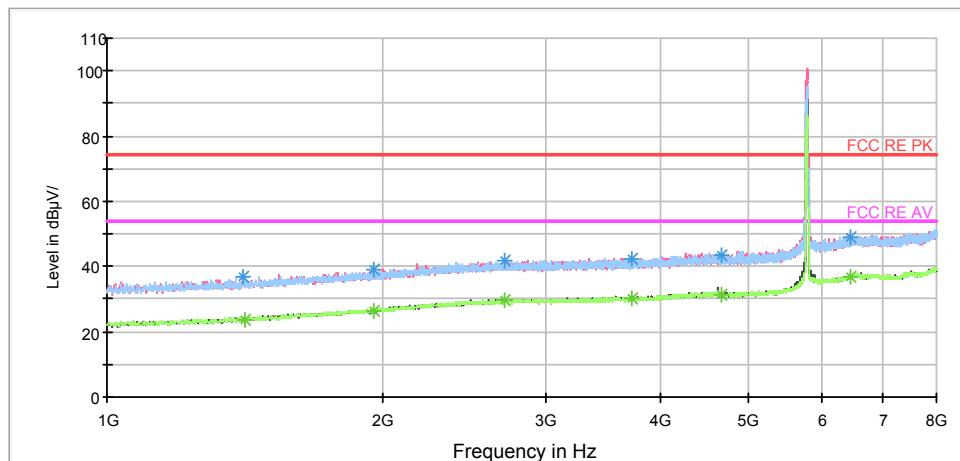
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1406.000000	36.7	100.0	H	208.0	43.6	-6.9	37.3	74
1953.750000	39.2	100.0	H	22.0	43.0	-3.8	34.8	74
2715.875000	41.7	100.0	H	32.0	42.3	-0.6	32.3	74
3729.125000	42.5	100.0	V	297.0	42.1	0.4	31.5	74
4667.125000	43.3	100.0	V	0.0	41.8	1.5	30.7	74
6462.625000	49.2	100.0	V	355.0	42.3	6.9	24.8	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)
1411.250000	23.7	100.0	H	328.0	30.6	-6.9	30.3	54
1953.750000	26.2	100.0	H	22.0	30.0	-3.8	27.8	54
2715.875000	29.5	100.0	H	32.0	30.1	-0.6	24.5	54
3729.125000	30.1	100.0	V	297.0	29.7	0.4	23.9	54
4672.375000	31.1	100.0	H	0.0	29.6	1.5	22.9	54
6462.625000	36.7	100.0	V	355.0	29.8	6.9	17.3	54

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

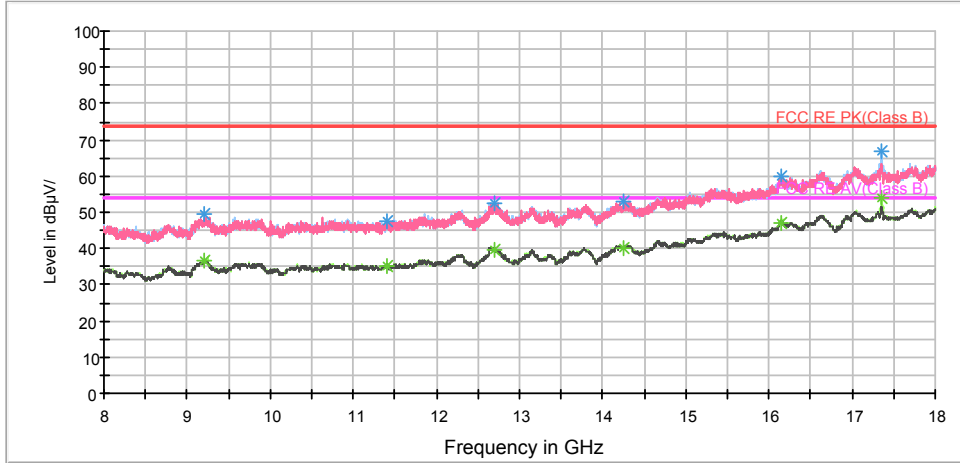
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier. Radiates Emission from 1GHz to 8GHz

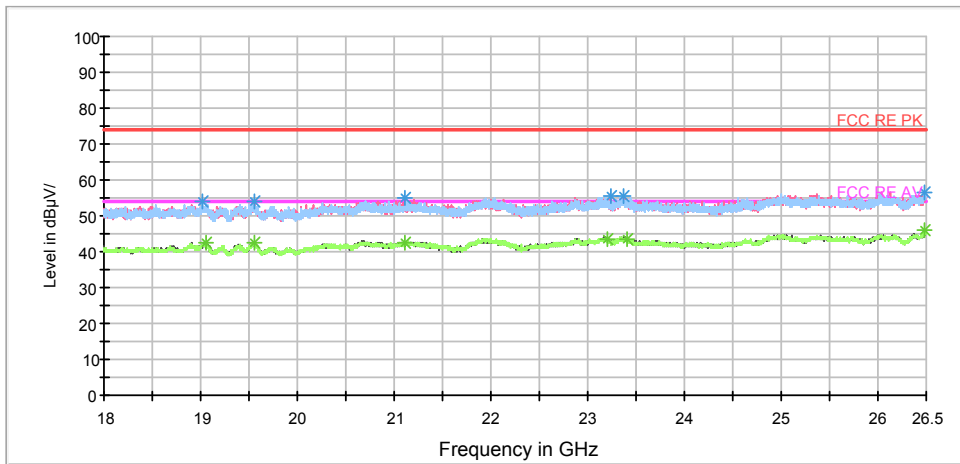


RE 3-18GHz PK+AV



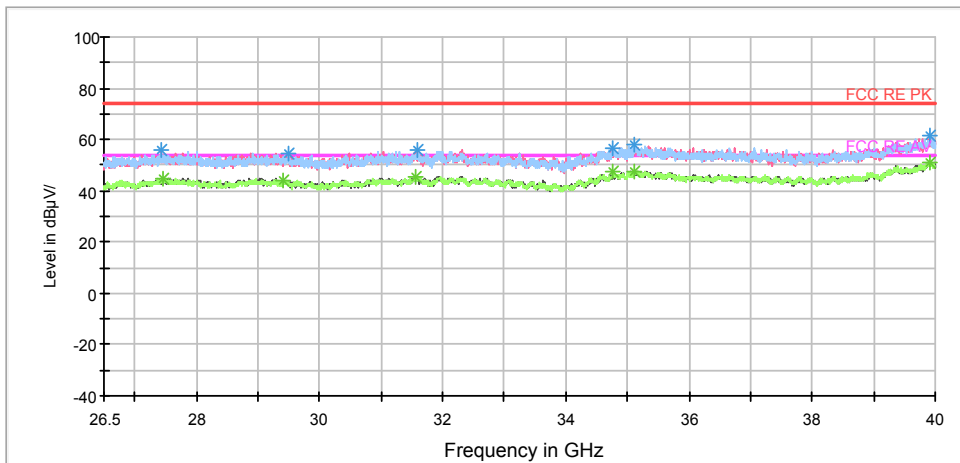
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11n (HT20) CH165

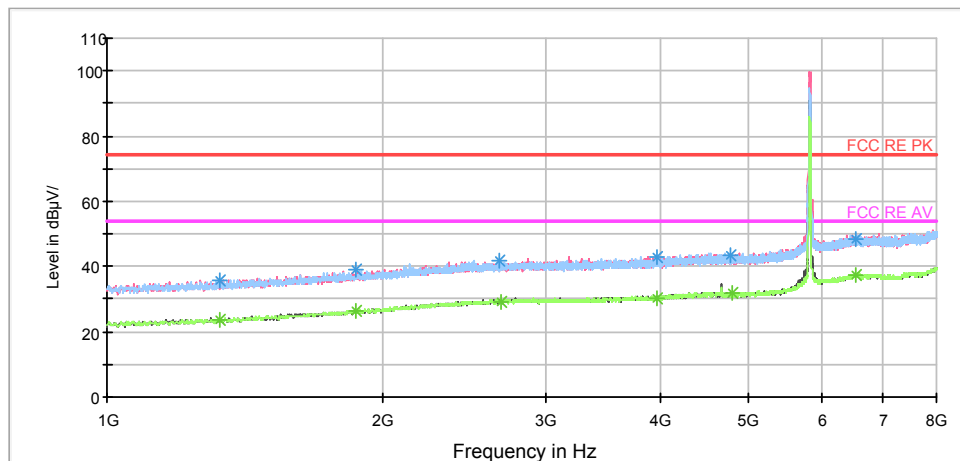
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1326.375000	35.8	100.0	V	67.0	43.3	-7.5	38.2	74
1868.000000	39.1	100.0	H	201.0	43.2	-4.1	34.9	74
2676.500000	42.0	100.0	H	159.0	42.6	-0.6	32.0	74
3967.125000	43.0	100.0	H	96.0	42.5	0.5	31.0	74
4777.375000	43.2	100.0	V	0.0	41.6	1.6	30.8	74
6536.125000	48.2	100.0	V	319.0	40.9	7.3	25.8	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)
1326.375000	23.4	100.0	V	67.0	30.9	-7.5	30.6	54
1868.000000	26.1	100.0	H	201.0	30.2	-4.1	27.9	54
2681.750000	29.3	100.0	V	357.0	29.9	-0.6	24.7	54
3976.750000	30.3	100.0	V	359.0	29.7	0.6	23.7	54
4789.625000	31.7	100.0	V	339.0	30.0	1.7	22.3	54
6540.500000	37.2	100.0	V	347.0	29.9	7.3	16.8	54

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

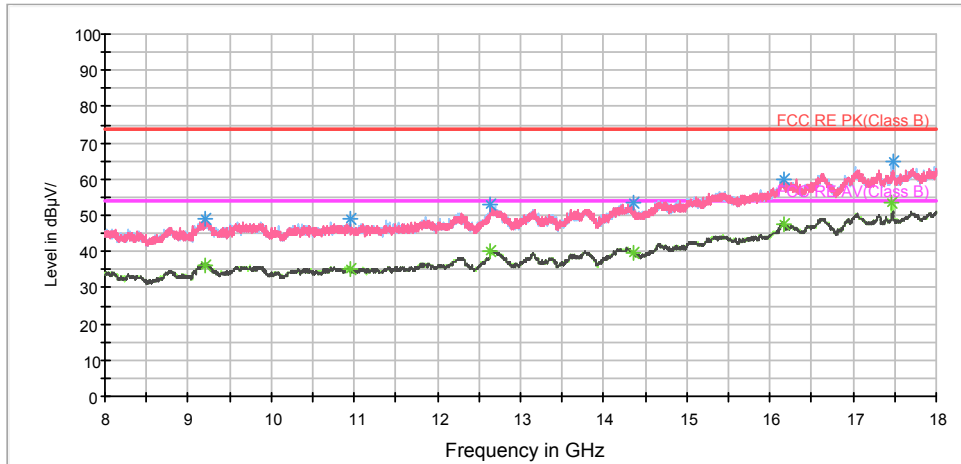
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

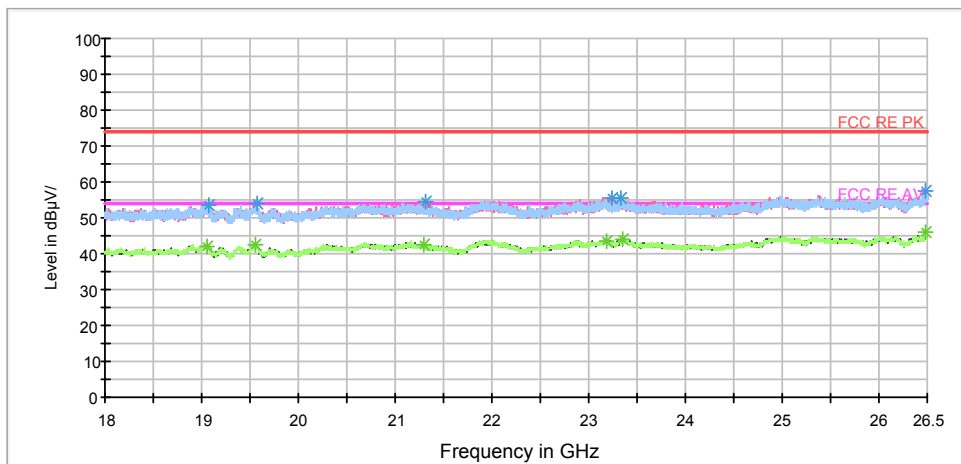


RE 3-18GHz PK+AV



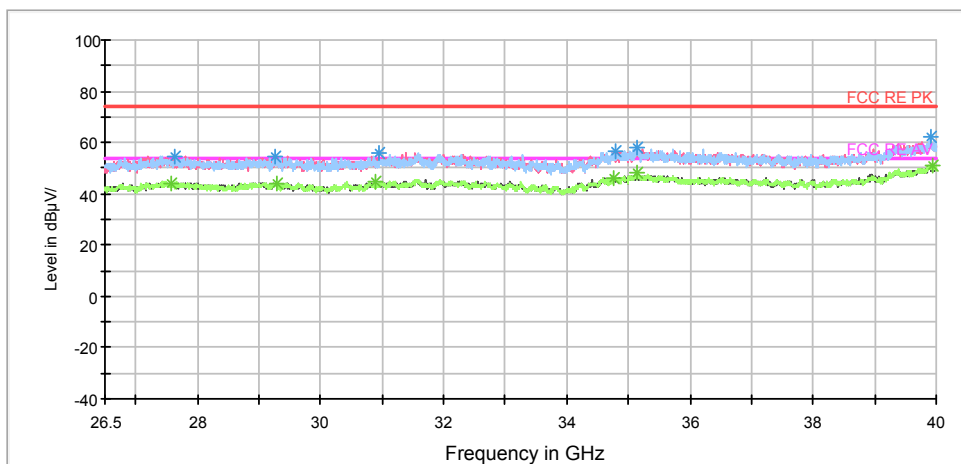
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz





802.11n (HT40) CH38

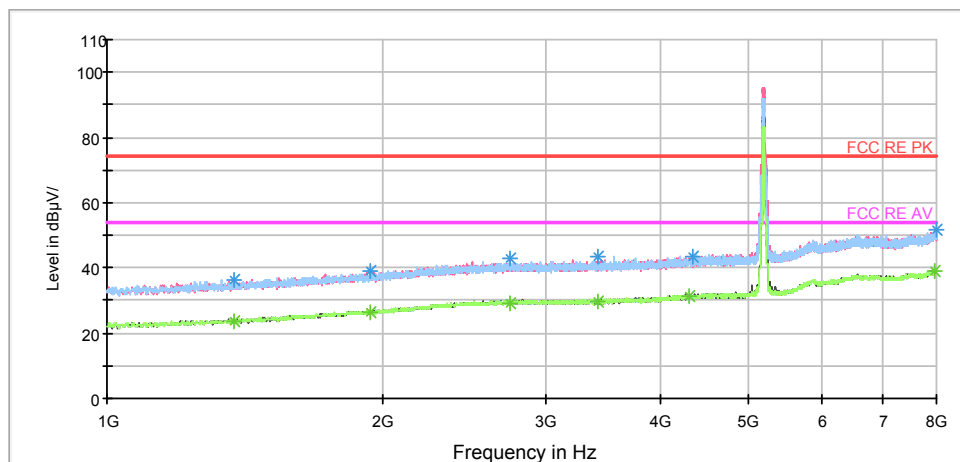
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1375.375000	36.3	100.0	V	0.0	43.4	-7.1	37.7	74
1931.875000	39.0	100.0	V	219.0	42.9	-3.9	35.0	74
2741.250000	42.9	100.0	H	127.0	43.5	-0.6	31.1	74
3416.750000	43.2	100.0	H	294.0	43.3	-0.1	30.8	74
4337.250000	43.2	100.0	H	305.0	41.9	1.3	30.8	74
7982.500000	51.5	100.0	H	2.0	41.5	10.0	22.5	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)
1375.375000	23.9	100.0	V	0.0	31.0	-7.1	30.1	54
1931.875000	26.2	100.0	V	219.0	30.1	-3.9	27.8	54
2741.250000	29.4	100.0	H	127.0	30.0	-0.6	24.6	54
3416.750000	29.7	100.0	H	294.0	29.8	-0.1	24.3	54
4311.000000	31.1	100.0	V	353.0	29.6	1.5	22.9	54
7973.750000	38.9	100.0	V	123.0	28.9	10.0	15.1	54

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

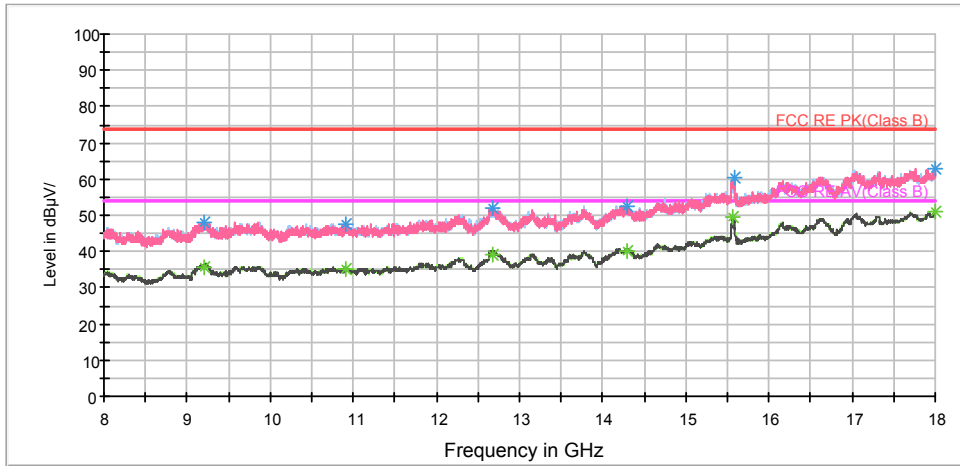
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

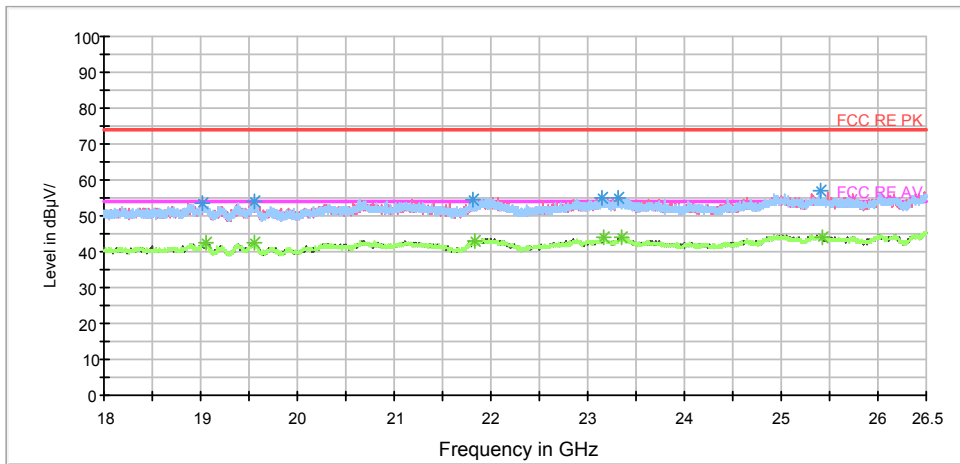


RE 3-18GHz PK+AV



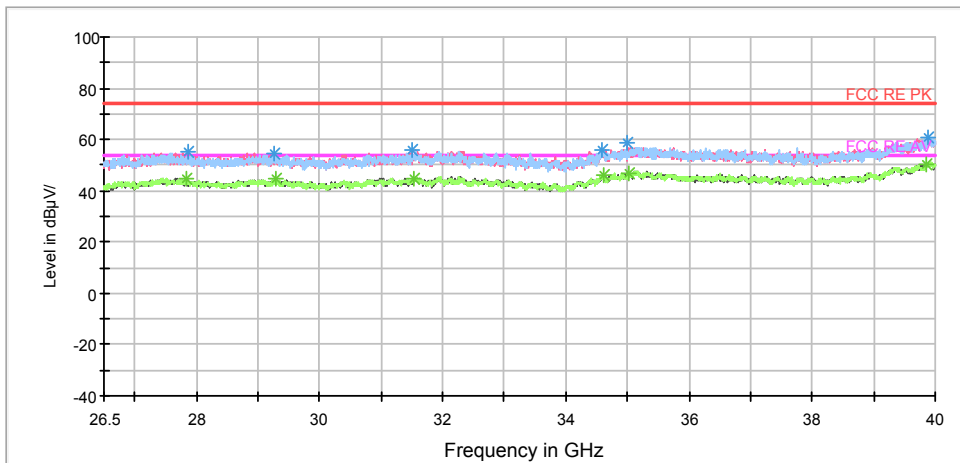
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11n (HT40) CH46

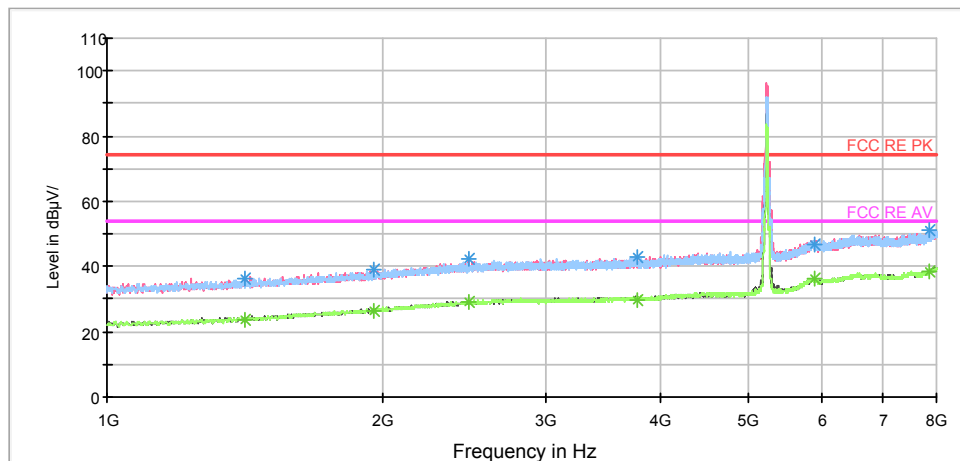
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1413.000000	36.4	100.0	V	309.0	43.3	-6.9	37.6	74
1948.500000	38.9	100.0	V	289.0	42.7	-3.8	35.1	74
2472.625000	42.1	100.0	V	33.0	43.1	-1.0	31.9	74
3775.500000	42.9	100.0	V	248.0	42.5	0.4	31.1	74
5886.000000	47.0	100.0	V	248.0	41.3	5.7	27.0	74
7856.500000	50.9	100.0	V	279.0	41.3	9.6	23.1	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)
1413.000000	23.7	100.0	V	309.0	30.6	-6.9	30.3	54
1948.500000	26.7	100.0	V	289.0	30.5	-3.8	27.3	54
2472.625000	28.9	100.0	V	33.0	29.9	-1.0	25.1	54
3775.500000	29.9	100.0	V	248.0	29.5	0.4	24.1	54
5881.625000	36.1	100.0	V	352.0	30.4	5.7	17.9	54
7856.500000	38.3	100.0	V	279.0	28.7	9.6	15.7	54

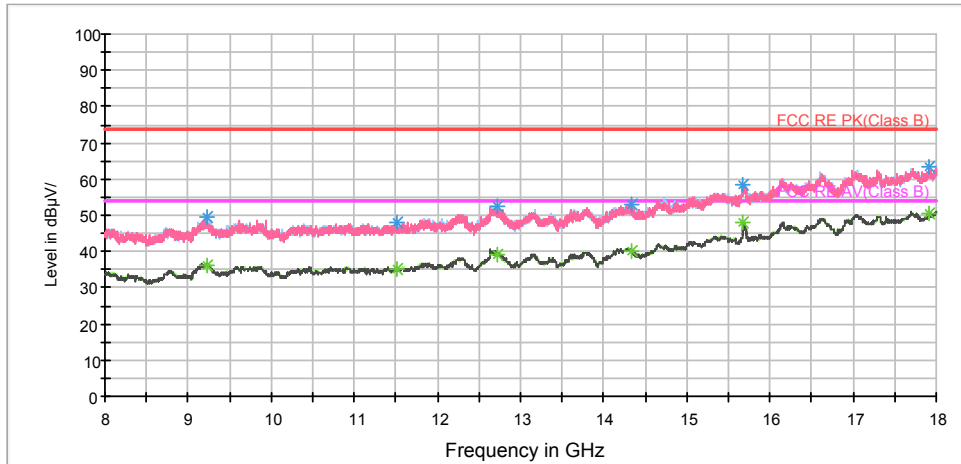
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



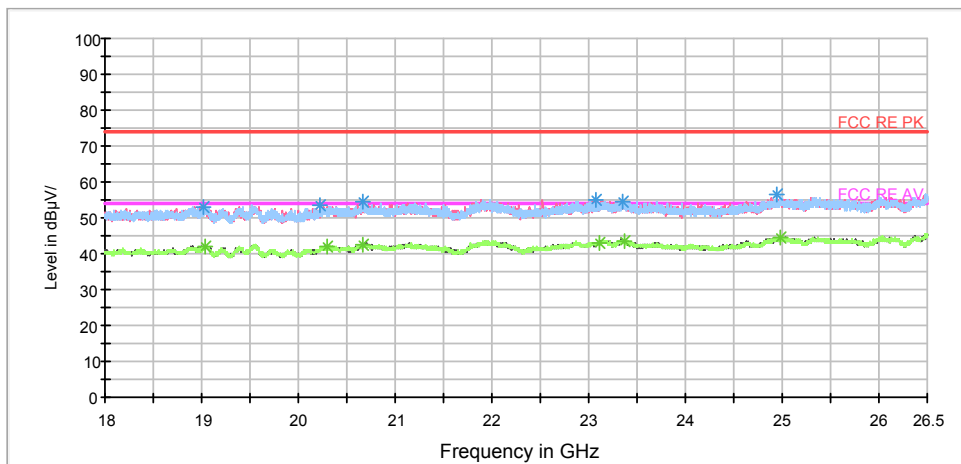
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



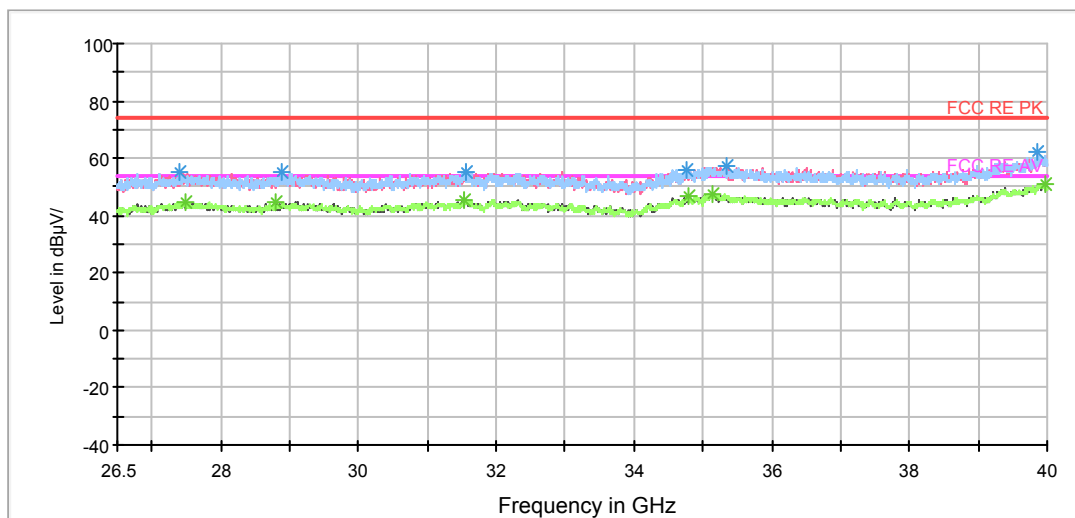
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



## 802.11n (HT40) CH54

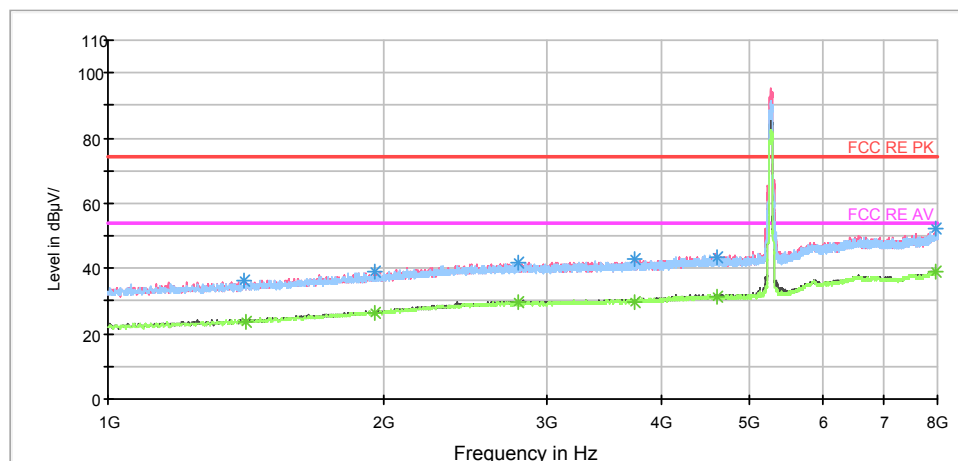
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1406.000000	36.4	100.0	H	155.0	43.3	-6.9	37.6	74
1949.375000	39.1	100.0	V	305.0	42.9	-3.8	34.9	74
2801.625000	41.6	100.0	V	224.0	42.2	-0.6	32.4	74
3749.250000	42.7	100.0	V	326.0	42.4	0.3	31.3	74
4607.625000	43.4	100.0	H	134.0	41.7	1.7	30.6	74
7979.000000	52.0	100.0	V	40.0	42.0	10.0	22.0	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)
1410.375000	23.7	100.0	V	244.0	30.6	-6.9	30.3	54
1949.375000	26.4	100.0	V	305.0	30.2	-3.8	27.6	54
2801.625000	29.6	100.0	V	224.0	30.2	-0.6	24.4	54
3749.250000	29.9	100.0	V	326.0	29.6	0.3	24.1	54
4607.625000	31.2	100.0	H	134.0	29.5	1.7	22.8	54
7959.750000	39.2	100.0	V	0.0	29.2	10.0	14.8	54

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

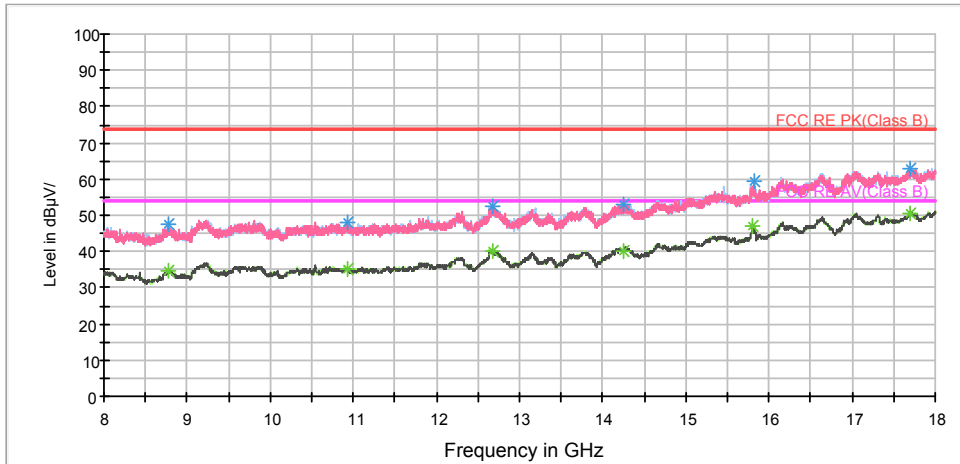
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

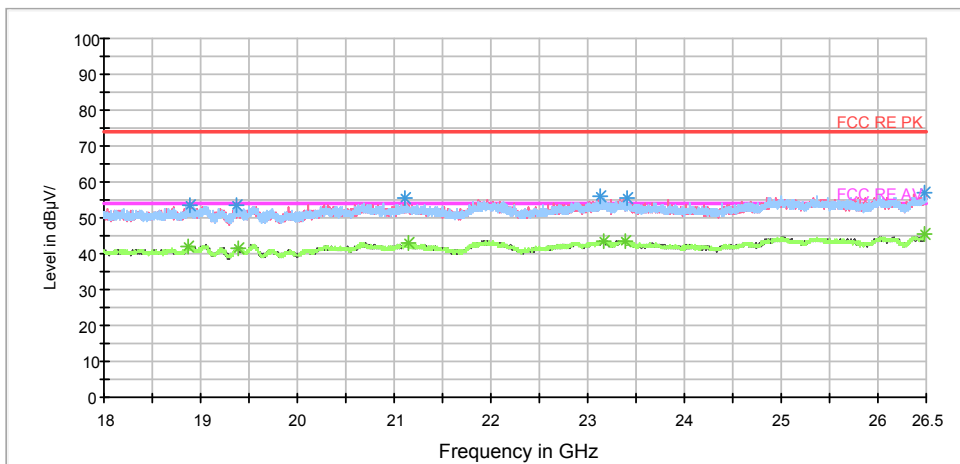


RE 3-18GHz PK+AV



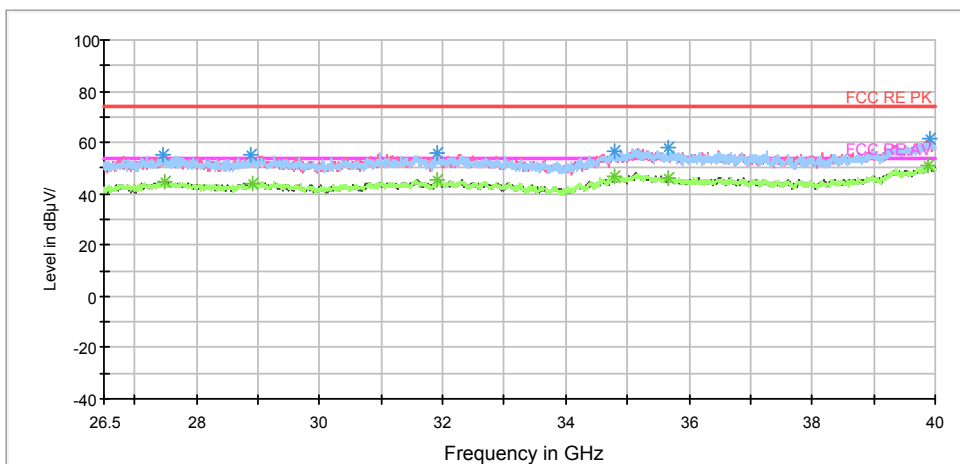
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



## 802.11n (HT40) CH62

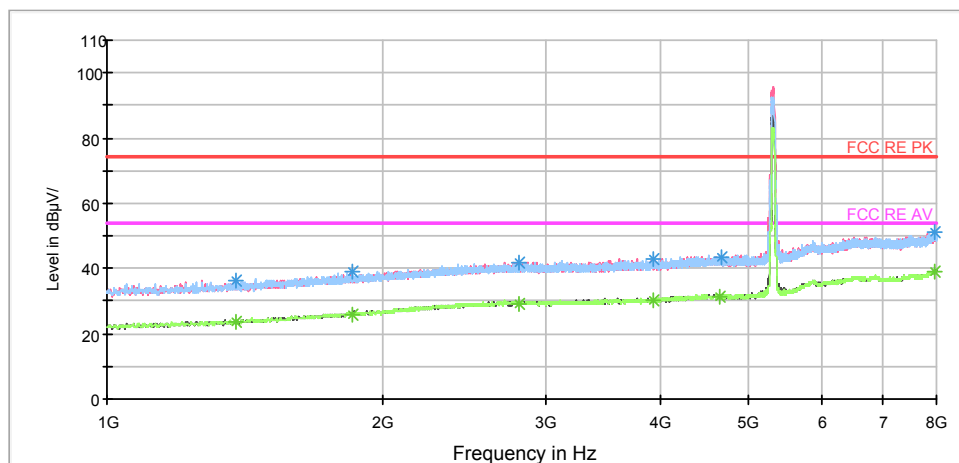
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1378.875000	36.5	100.0	H	47.0	43.6	-7.1	37.5	74
1853.125000	38.8	100.0	H	208.0	43.1	-4.3	35.2	74
2807.750000	41.9	100.0	H	68.0	42.5	-0.6	32.1	74
3933.000000	43.2	100.0	H	88.0	42.7	0.5	30.8	74
4668.000000	43.3	100.0	V	358.0	41.8	1.5	30.7	74
7979.000000	51.2	100.0	V	247.0	41.2	10.0	22.8	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)
1378.875000	23.9	100.0	H	47.0	31.0	-7.1	30.1	54
1853.125000	25.8	100.0	H	208.0	30.1	-4.3	28.2	54
2807.750000	29.0	100.0	H	68.0	29.6	-0.6	25.0	54
3933.000000	30.3	100.0	H	88.0	29.8	0.5	23.7	54
4644.375000	31.3	100.0	V	356.0	29.6	1.7	22.7	54
7951.875000	38.9	100.0	V	268.0	29.0	9.9	15.1	54

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

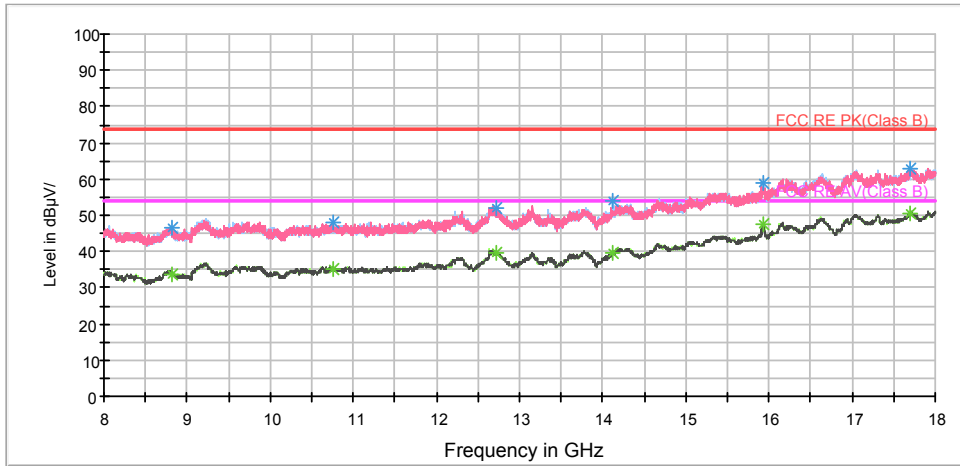
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

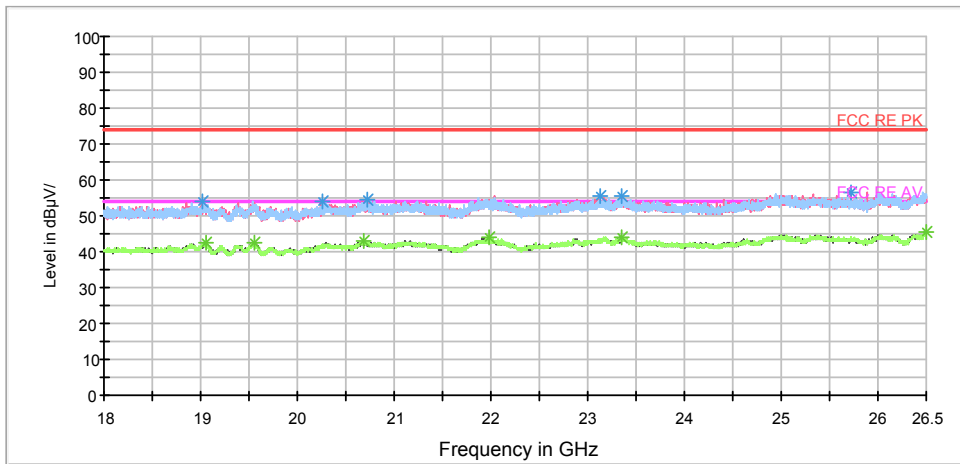


RE 3-18GHz PK+AV



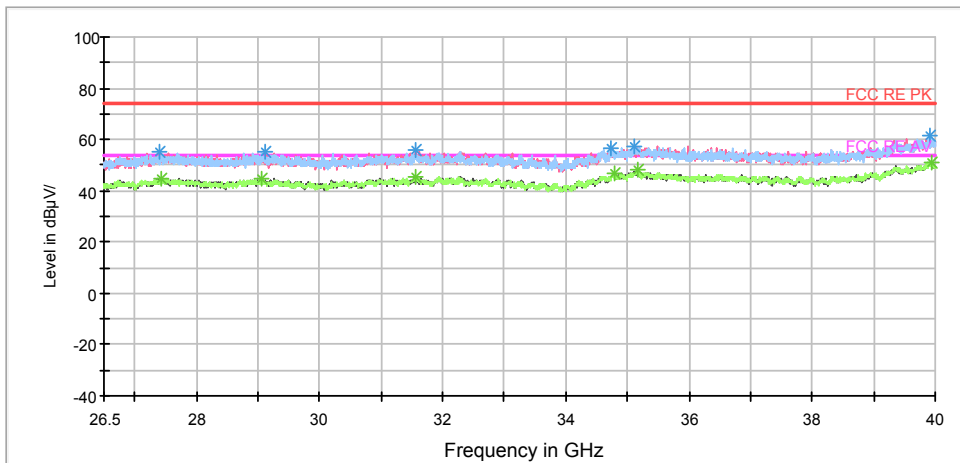
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



**802.11n (HT40) CH151**

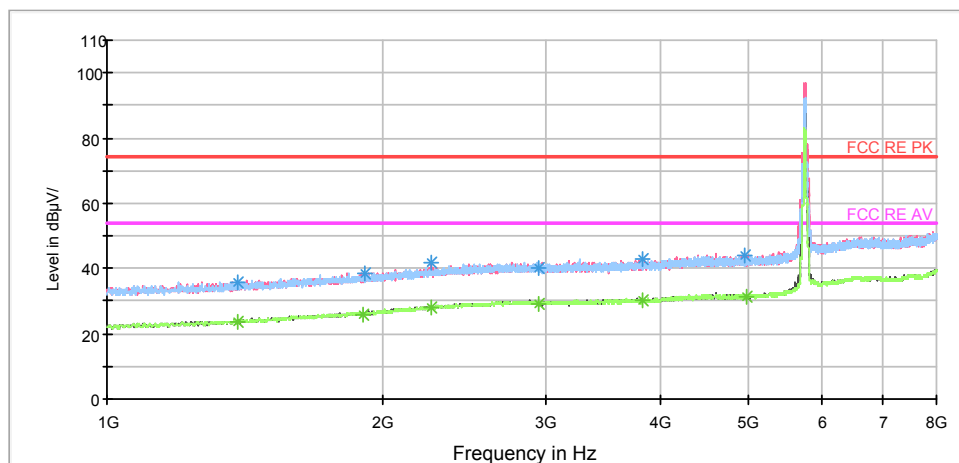
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1388.500000	35.9	100.0	H	38.0	43.0	-7.1	38.1	74
1907.375000	38.7	100.0	H	99.0	42.7	-4.0	35.3	74
2255.625000	41.9	100.0	V	246.0	43.9	-2.0	32.1	74
2957.375000	40.3	100.0	V	195.0	40.8	-0.5	33.7	74
3822.750000	42.9	100.0	H	11.0	42.4	0.5	31.1	74
4939.250000	43.9	100.0	V	132.0	42.3	1.6	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)
1388.500000	23.6	100.0	H	38.0	30.7	-7.1	30.4	54
1904.750000	26.1	100.0	V	0.0	30.1	-4.0	27.9	54
2255.625000	27.8	100.0	V	246.0	29.8	-2.0	26.2	54
2946.000000	29.1	100.0	V	0.0	29.6	-0.5	24.9	54
3825.375000	30.1	100.0	V	343.0	29.5	0.6	23.9	54
4963.750000	31.2	100.0	V	357.0	29.6	1.6	22.8	54

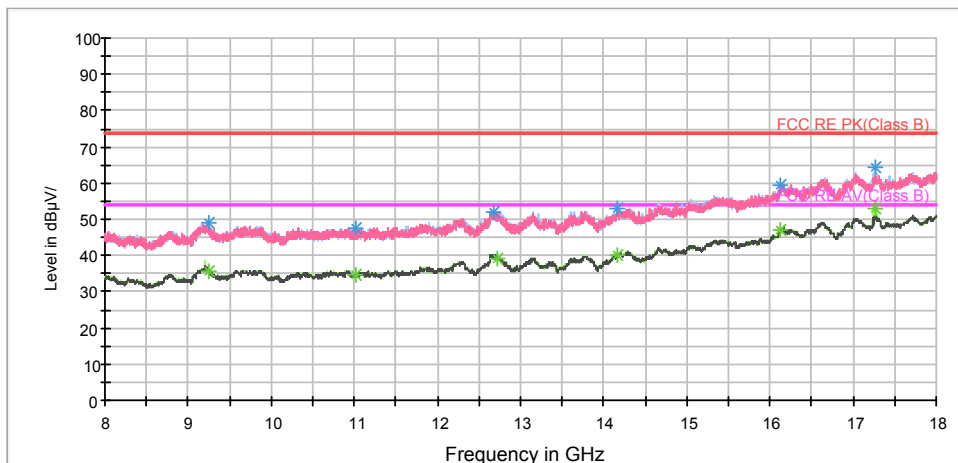
**Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)**

FCC RE 1G-18GHz PK+AV Class B



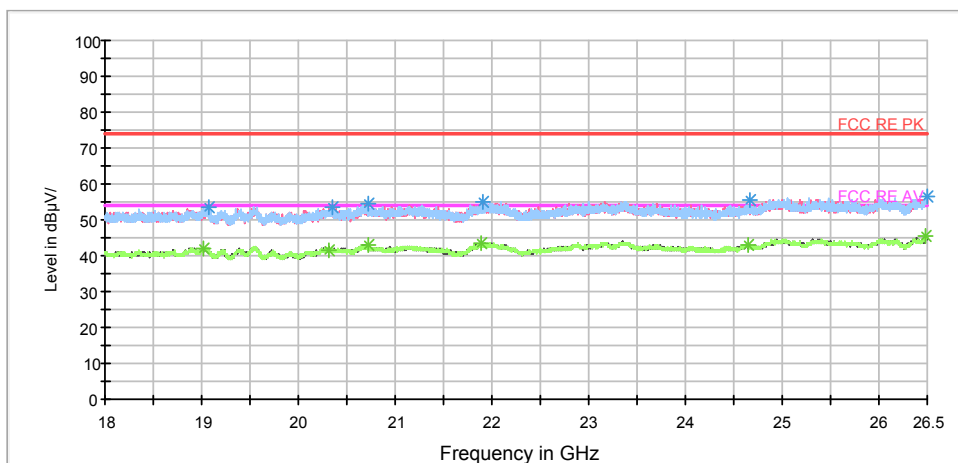
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



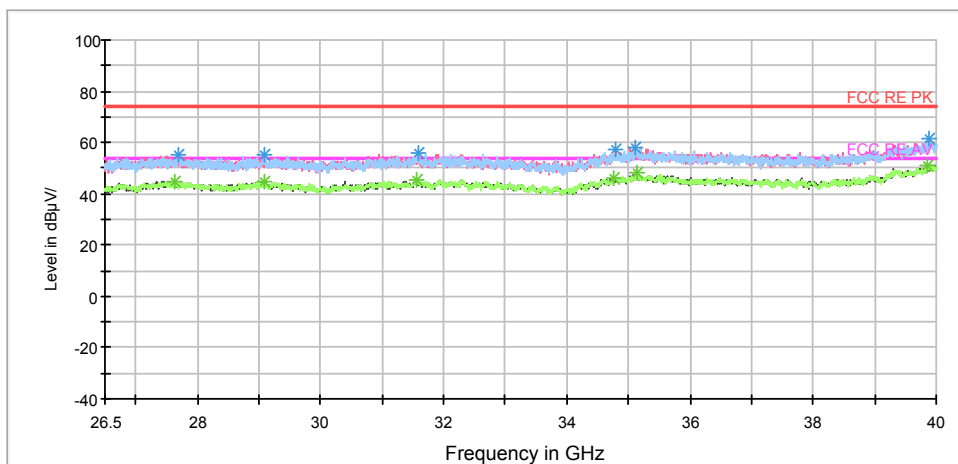
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11n (HT40) CH159

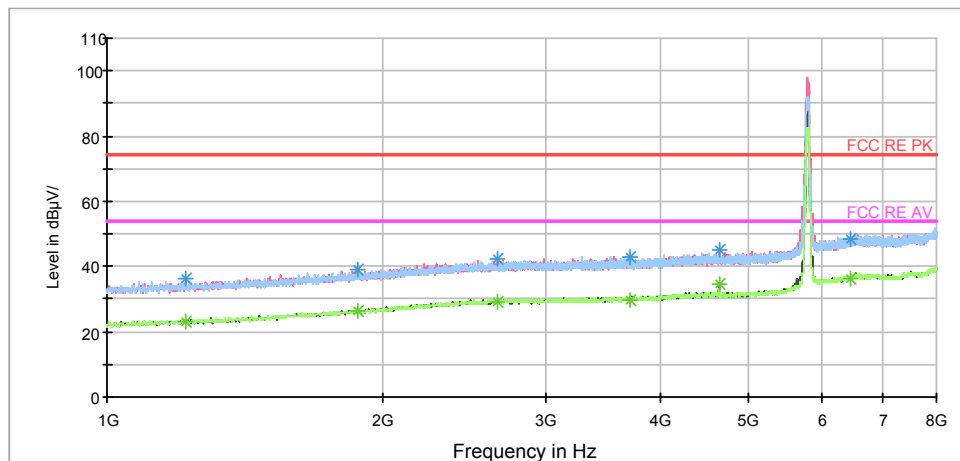
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1219.625000	36.1	100.0	V	357.0	44.2	-8.1	37.9	74
1876.750000	39.1	100.0	H	270.0	43.2	-4.1	34.9	74
2663.375000	42.4	100.0	V	358.0	43.1	-0.7	31.6	74
3709.000000	42.9	100.0	H	141.0	42.7	0.2	31.1	74
4635.625000	45.1	100.0	V	175.0	43.4	1.7	28.9	74
6455.625000	48.3	100.0	V	0.0	41.4	6.9	25.7	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)
1219.625000	23.2	100.0	V	357.0	31.3	-8.1	30.8	54
1876.750000	26.4	100.0	H	270.0	30.5	-4.1	27.6	54
2662.500000	29.4	100.0	V	0.0	30.1	-0.7	24.6	54
3709.000000	29.9	100.0	H	141.0	29.7	0.2	24.1	54
4635.625000	34.8	100.0	V	175.0	33.1	1.7	19.2	54
6440.750000	36.4	100.0	V	287.0	29.6	6.8	17.6	54

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

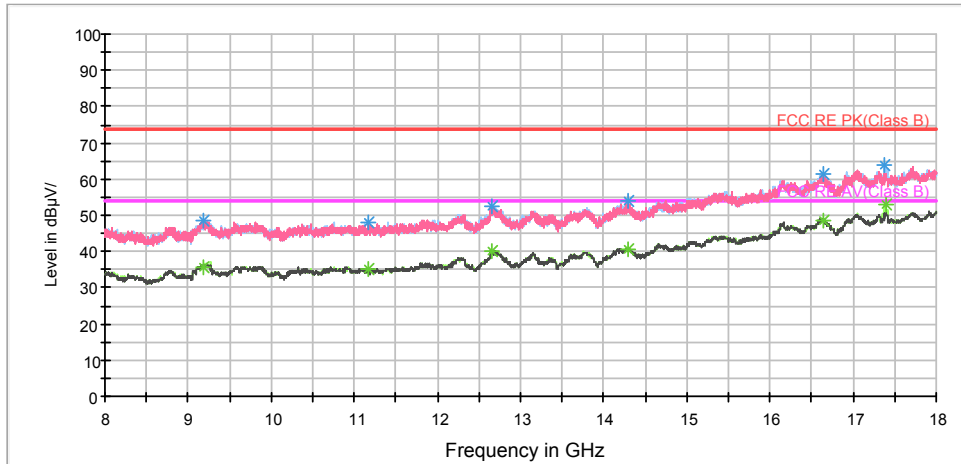
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

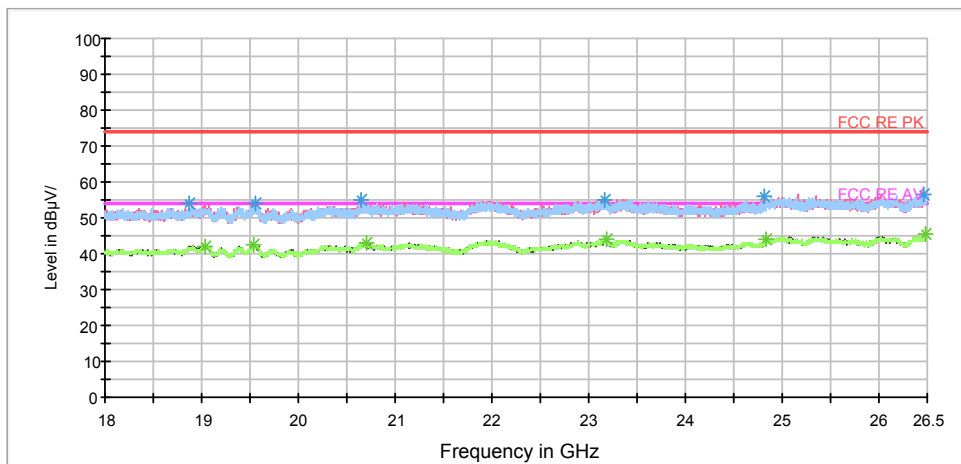


RE 3-18GHz PK+AV



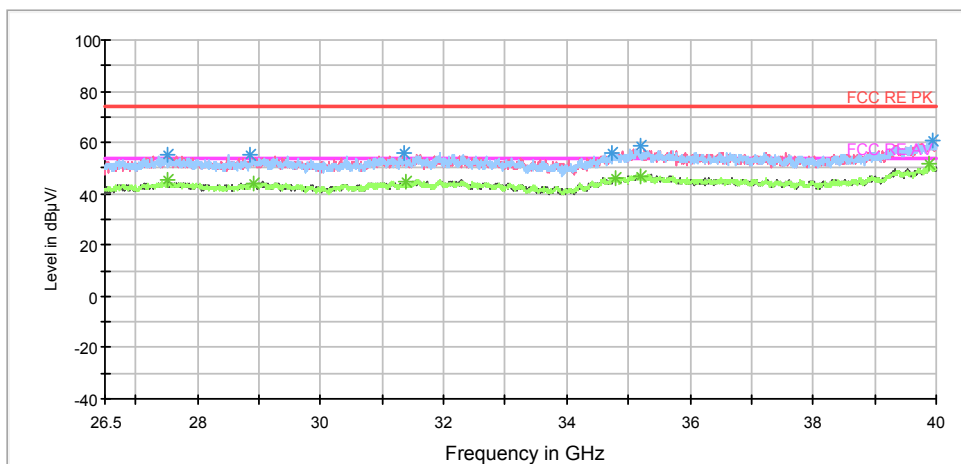
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz

## 5.6. Conducted Emission

### Ambient condition

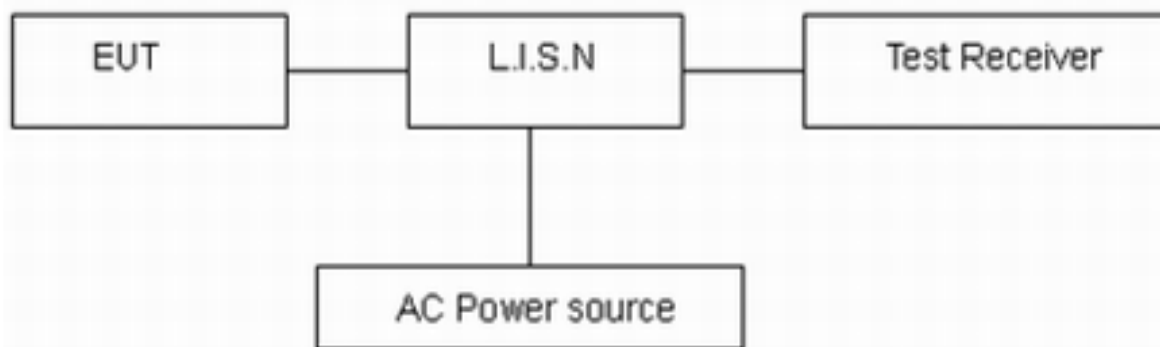
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

### 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

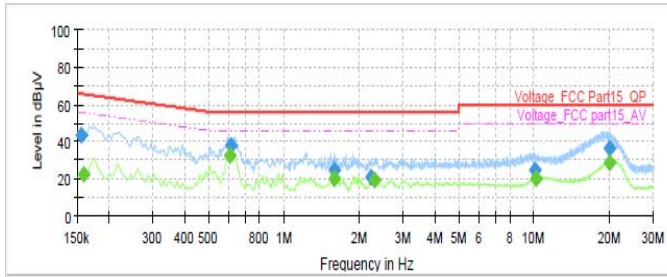
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.



**Test Results:**

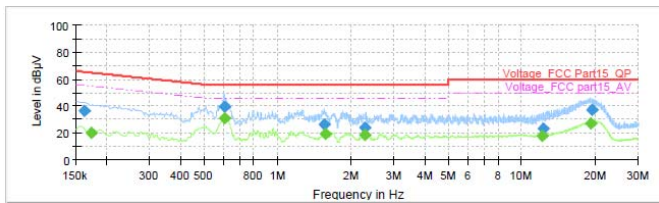
Following plots, Blue trace uses the peak detection and Green trace uses the average detection.

**L Line**



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154500	43.30	---	65.75	22.45	1000.0	9.000	L1	ON	19.1
0.159000	---	22.63	55.52	32.89	1000.0	9.000	L1	ON	19.1
0.606750	---	32.30	46.00	13.70	1000.0	9.000	L1	ON	19.3
0.613500	37.61	---	56.00	18.39	1000.0	9.000	L1	ON	19.3
1.585500	24.99	---	56.00	31.01	1000.0	9.000	L1	ON	19.2
1.596750	---	19.84	46.00	26.16	1000.0	9.000	L1	ON	19.2
2.233500	21.11	---	56.00	34.89	1000.0	9.000	L1	ON	19.1
2.314500	---	19.34	46.00	26.66	1000.0	9.000	L1	ON	19.0
10.038750	24.56	---	60.00	35.44	1000.0	9.000	L1	ON	19.4
10.151250	---	20.51	50.00	29.49	1000.0	9.000	L1	ON	19.4
19.990500	36.25	---	60.00	23.75	1000.0	9.000	L1	ON	19.7
20.013000	---	28.37	50.00	21.63	1000.0	9.000	L1	ON	19.7

**N Line**



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161250	36.15	---	65.40	29.25	1000.0	9.000	N	ON	19.1
0.172500	---	19.78	54.84	35.06	1000.0	9.000	N	ON	19.2
0.606750	---	31.35	46.00	14.65	1000.0	9.000	N	ON	19.3
0.606750	39.81	---	56.00	16.19	1000.0	9.000	N	ON	19.3
1.560750	26.65	---	56.00	29.35	1000.0	9.000	N	ON	19.2
1.567500	---	19.33	46.00	26.67	1000.0	9.000	N	ON	19.2
2.269500	23.89	---	56.00	32.11	1000.0	9.000	N	ON	19.1
2.285250	---	18.35	46.00	27.65	1000.0	9.000	N	ON	19.0
12.129000	---	17.98	50.00	32.02	1000.0	9.000	N	ON	19.4
12.286500	23.36	---	60.00	36.64	1000.0	9.000	N	ON	19.4
19.223250	---	27.47	50.00	22.53	1000.0	9.000	N	ON	19.5
19.326750	37.48	---	60.00	22.52	1000.0	9.000	N	ON	19.5



## 6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	R&S	FSV40	15195-01-00	2017-05-14	2018-05-13
EMI Test Receiver	R&S	ESCI	100948	2017-05-20	2018-05-19
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-02-18	2020-02-17
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	R&S	HF907	100126	2014-12-06	2017-12-05
Standard Gain Horn	ETS-Lindgren	3160-09	00102644	2015-01-30	2018-01-29
Standard Gain Horn	STEATITE	QSH-SL-26-40-K-15	16779	2016-03-21	2019-03-20
Broadband Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06024	2016-11-24	2019-11-23
EMI Test Receiver	R&S	ESCS30	100138	2016-12-16	2017-12-15
LISN	R&S	ENV216	101171	2016-12-16	2017-12-15
Spectrum Analyzer	Agilent	N9010A	MY47191109	2017-05-20	2018-05-19
RF Cable	Agilent	SMA 15cm	0001	2017-07-02	2017-10-01
TEMPERATURE CHAMBER	ESPEC	SU-242	93000506	2016-12-27	2017-12-26

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

## ANNEX A: EUT Appearance and Test Setup

### A.1 EUT Appearance



Picture 1-1: EUT

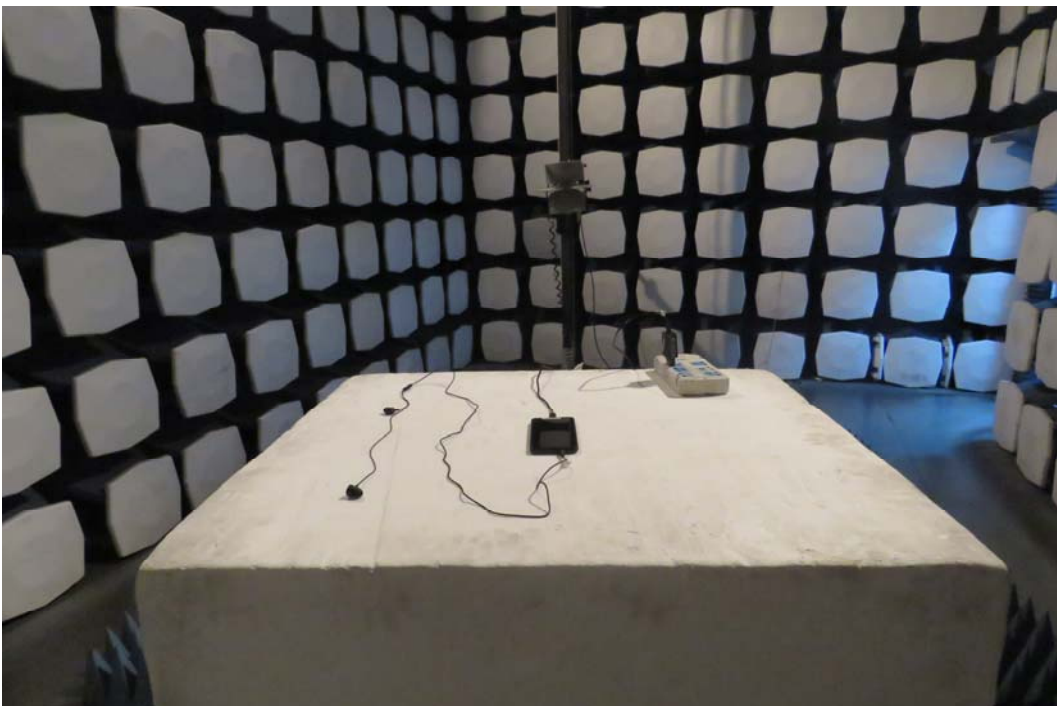
Picture 1 EUT and Accessory



## A.2 Test Setup



30MHz-1GHz



Above 1GHz

**Picture 2 Radiated Emission Test Setup**