



# RF TEST REPORT

<b>Applicant</b>	ZTE Corporation
<b>FCC ID</b>	SRQ-MF971V
<b>Product</b>	LTE Ufi
<b>Brand</b>	ZTE
<b>Model</b>	MF971V
<b>Report No.</b>	RXA1706-0172RF05
<b>Issue Date</b>	June 30, 2017

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2016)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Performed by: Xianqing Li

Approved by: Kai Xu

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## Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Average conducted output power	15.407(a)	PASS
2	Occupied bandwidth	15.407(e)	PASS
3	Frequency stability	15.407(g)	PASS
4	Maximum power spectral density	15.407(a)	PASS
5	Unwanted Emissions	15.407(b)	PASS
6	Conducted Emissions	15.207	PASS
Date of Testing: June 6, 2017~ June 20, 2017			

## 1. Test Laboratory

### 1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above. This report must not be used by the client to claim product certification, approval, or endorsement by any government agencies.

### 1.2. Test facility

#### **CNAS (accreditation number: L2264)**

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

#### **FCC (recognition number is 428261)**

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

#### **IC (recognition number is 8510A)**

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement.

#### **VCCI (recognition number is C-4595, T-2154, R-4113, G-10766)**

TA Technology (Shanghai) Co., Ltd. has been listed by industry Japan to perform electromagnetic emission measurement.

#### **A2LA (Certificate Number: 3857.01)**

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.



### 1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.  
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong  
City: Shanghai  
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E-mail: [xukai@ta-shanghai.com](mailto:xukai@ta-shanghai.com)

## 2. General Description of Equipment under Test

### Client Information

<b>Applicant</b>	ZTE Corporation
<b>Applicant address</b>	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China
<b>Manufacturer</b>	ZTE Corporation
<b>Manufacturer address</b>	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

### General information

EUT Description	
Model:	MF971V
IMEI:	869626020218022
Hardware Version:	xz6A
Software Version:	EN_ZTE_MF971V1.0.0B01
Power Supply:	Battery/AC adapter
Antenna Type:	Internal Antenna
Antenna Gain:	Antenna 1: 2.00 dBi Antenna 2: 2.00 dBi
Directional Gain:	2.0dBi
Test Mode:	U-NII-1(5150MHz-5250MHz)
Modulation Type:	802.11a/n (HT20/HT40) : OFDM 802.11ac (HT20/HT40/HT80): OFDM
Max. Conducted Power	802.11a: 8.56dBm 802.11n: 11.29 dBm 802.11ac: 11.62 dBm
Operating Frequency Range(s)	U-NII-1: 5150-5250MHz
EUT Accessory	
Battery	Manufacturer: ZhongShan Tianmao Battery Co., Ltd. Model: Li3823T43P3h715345
Adapter	Manufacture: CHENYANG Model : STC-A51A-Z
USB Extend Cable	100cm Cable, Shielded
Note: The information of the EUT is declared by the manufacturer.	



### 3. Test Information

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC CFR47 Part 15E (2016)** Unlicensed National Information Infrastructure Devices

**ANSI C63.10 (2013)**

**789033 D02 General UNII Test Procedures New Rules v01r04**

**KDB 662911 D01 Multiple Transmitter Output v02r01**

## 4. Test Configuration

### Test Mode

The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Band	Data Rate		
	Antenna 1	Antenna 2	MIMO
802.11a	6 Mbps	6 Mbps	/
802.11n HT20	MCS0	MCS0	MCS8
802.11n HT40	MCS0	MCS0	MCS8
802.11ac HT20	MCS0	MCS0	MCS8
802.11ac HT40	MCS0	MCS0	MCS8
802.11ac HT80	MCS0	MCS0	MCS8

The worst case Antenna mode for each of the following tests for Wi-Fi:

Test Cases	Antenna 1	Antenna 2	MIMO
Average conducted output power	802.11a	802.11a	802.11n HT20/40 802.11ac HT20/40/80
Occupied bandwidth	--	802.11a	802.11n HT20/40 802.11ac HT20/40/80
Frequency stability	--	802.11a	--
Power Spectral Density	802.11a	802.11a	802.11n HT20/40 802.11ac HT20/40/80
Unwanted Emissions	--	802.11a	802.11n HT20/40 802.11ac HT20/40/80
Conducted Emissions	--	802.11a	802.11n HT20/40 802.11ac HT20/40/80

## 5. Test Case Results

### 5.1. Occupied Bandwidth

#### Ambient condition

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

#### Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

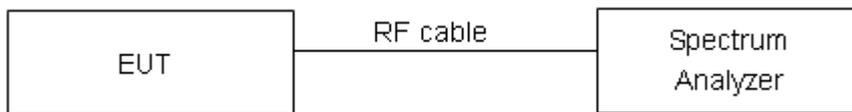
For U-NII-1, set RBW  $\approx$ 1% OCB kHz, VBW  $\geq$  3  $\times$  RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

For U-NII-3, Set RBW = 100 kHz, VBW  $\geq$  3  $\times$  RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

Use the 99 % power bandwidth function of the instrument

#### Test Setup



#### Limits

Rule FCC Part 15.407(a)(5)/15.407(e)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

#### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 936$  Hz.

**Test Results:****U-NII-1**

Network Standards	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11a	5180	16.302	19.470	500	PASS
	5200	16.297	19.420	500	PASS
	5240	16.321	19.320	500	PASS
802.11n HT20	5180	17.444	20.360	500	PASS
	5200	17.448	20.250	500	PASS
	5240	17.450	20.390	500	PASS
802.11n HT40	5190	35.918	42.250	500	PASS
	5230	35.858	40.670	500	PASS
802.11ac HT20	5180	17.455	20.470	500	PASS
	5200	17.466	20.470	500	PASS
	5240	17.461	20.490	500	PASS
802.11ac HT40	5190	35.882	40.750	500	PASS
	5230	35.867	40.660	500	PASS
802.11ac HT80	5210	74.997	82.670	500	PASS



Antenna 1

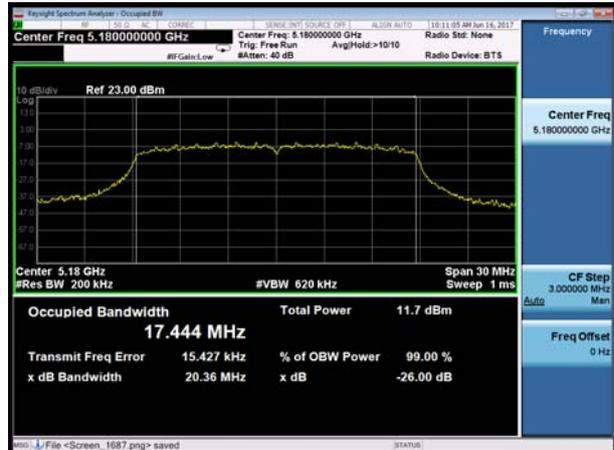
U-NII-1, 802.11a

Carrier frequency (MHz): 5180



U-NII-1, 802.11n HT20

Carrier frequency (MHz): 5180



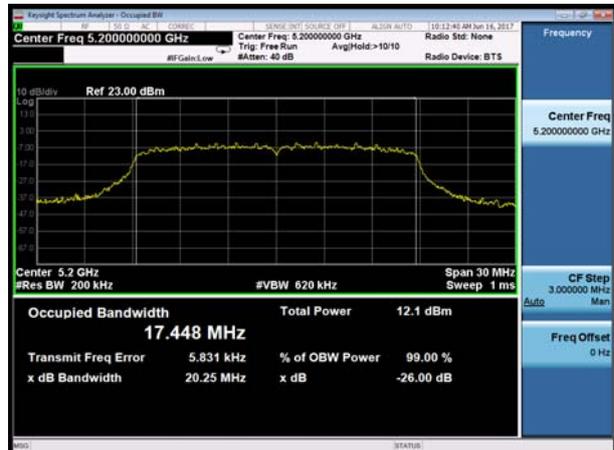
U-NII-1, 802.11a

Carrier frequency (MHz): 5200



U-NII-1, 802.11n HT20

Carrier frequency (MHz): 5200



U-NII-1, 802.11a

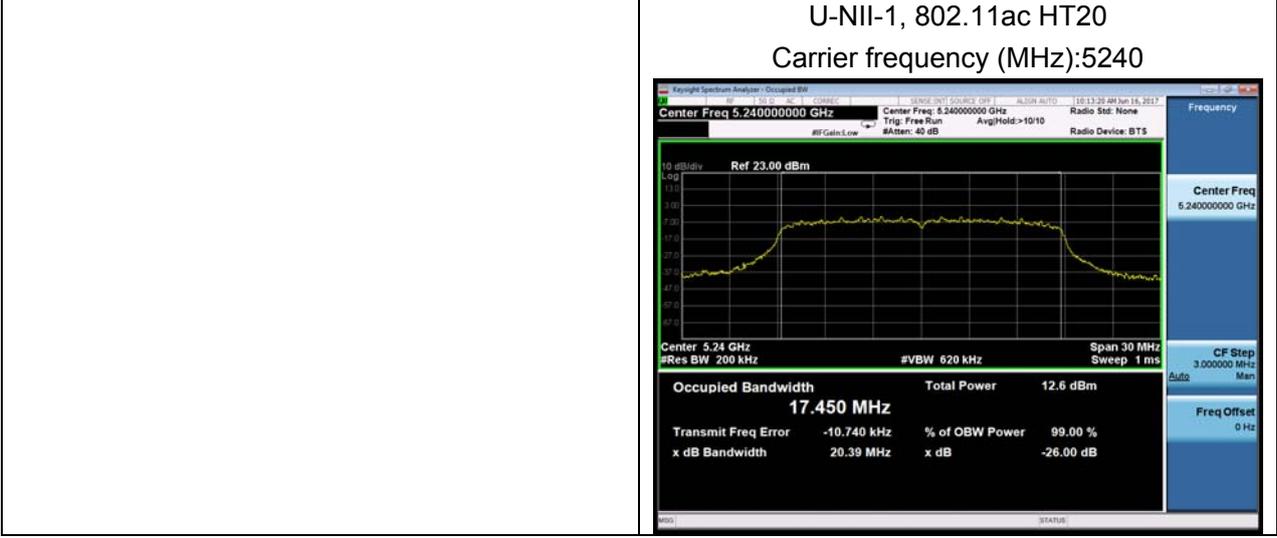
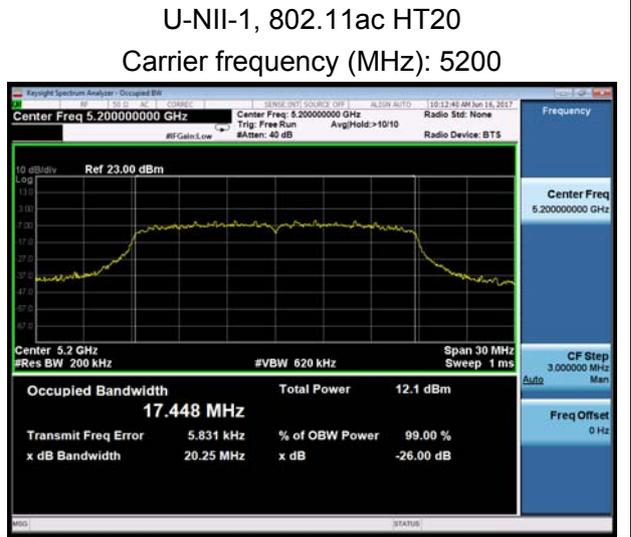
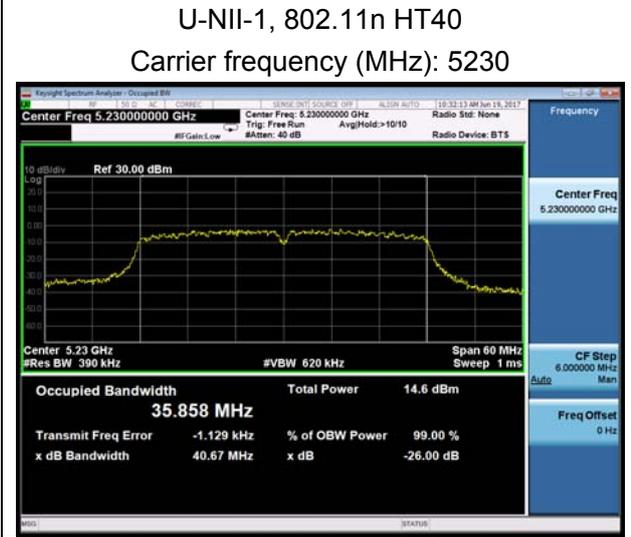
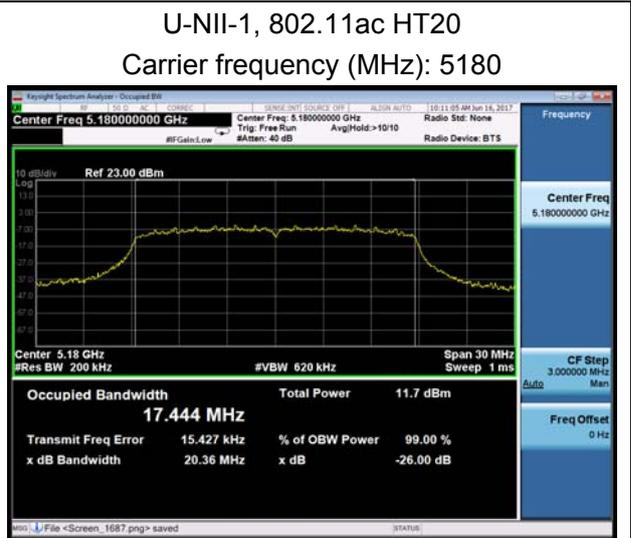
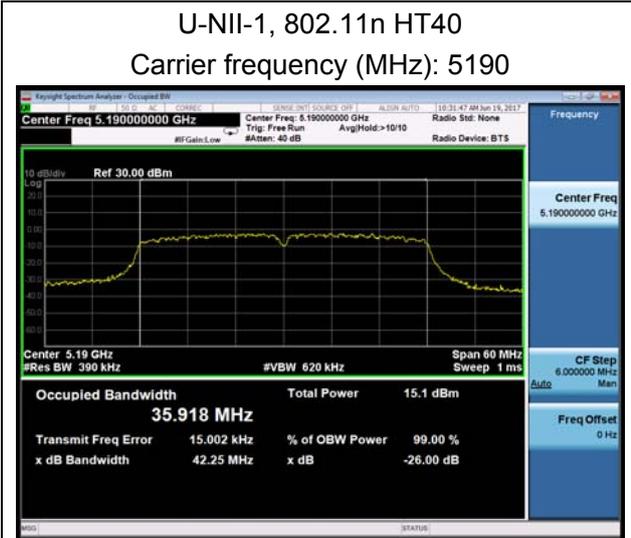
Carrier frequency (MHz):5240



U-NII-1, 802.11n HT20

Carrier frequency (MHz):5240







U-NII-1, 802.11ac HT40  
Carrier frequency (MHz): 5190



U-NII-1, 802.11ac HT80  
Carrier frequency (MHz): 5210



U-NII-1, 802.11ac HT40  
Carrier frequency (MHz): 5230



## 5.2. Average Power Output –Conducted

### Ambient condition

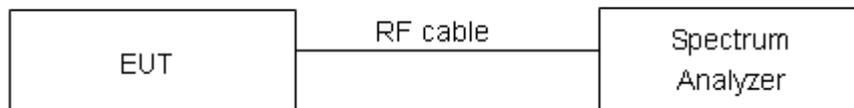
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

### Methods of Measurement

During the process of the testing, The EUT was connected to the average power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

### Test Setup



### Limits

Rule FCC Part 15.407(a)(1)

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 0.44$  dB.

**Test Results**

**U-NII-1**

**SISO Antenna 1**

Network Standards	Channel/Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	7.83	24	PASS
	40/5200	8.02	24	PASS
	48/5240	8.56	24	PASS

**SISO Antenna 2**

Network Standards	Channel/Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	8.35	24	PASS
	40/5200	8.56	24	PASS
	48/5240	8.54	24	PASS

**MIMO**

Network Standards		Channel/Frequency (MHz)	Output Power (dBm)			Limit (dBm)	Conclusion
MIMO Antenna			MIMO ANT1	MIMO ANT2	MIMO SUM		
802.11n HT20	U-NII-1	36/5180	7.72	8.15	10.95	24	PASS
		40/5200	7.71	8.29	11.02	24	PASS
		48/5240	8.21	8.35	11.29	24	PASS
802.11n HT40	U-NII-1	38/5190	7.61	8.27	10.96	24	PASS
		46/5230	7.72	8.35	11.06	24	PASS
802.11ac HT20	U-NII-1	36/5180	8.22	8.33	11.29	24	PASS
		40/5200	7.95	8.49	11.24	24	PASS
		48/5240	8.47	8.75	11.62	24	PASS
802.11ac HT40	U-NII-1	38/5190	7.92	8.45	11.20	24	PASS
		46/5230	8.49	8.72	11.62	24	PASS
802.11ac HT80	U-NII-1	42/5210	6.19	6.36	9.29	24	PASS

### 5.3. Frequency Stability

#### Ambient condition

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

#### Method of Measurement

1. Frequency stability with respect to ambient temperature

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.

f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

g) Measure the frequency at each of frequencies specified in 5.6.

h) Switch OFF the EUT but do not switch OFF the oscillator heater.

i) Lower the chamber temperature by not more than 10 C, and allow the temperature inside the chamber to stabilize.

j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15 °C to +25 °C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.



- b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in 5.6.
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

**Limit**

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 936\text{Hz}$

**Test Results**

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
3.80	-20	5199.996669	5199.987643	5199.984855	5199.976990
3.80	-10	5200.000394	5199.979240	5199.976380	5199.970994
3.80	0	5199.994215	5199.969608	5199.974193	5199.964124
3.80	10	5199.990782	5199.968019	5199.964690	5199.959864
3.80	20	5199.983775	5199.959435	5199.960062	5199.959132
3.80	30	5199.981682	5199.955743	5199.959902	5199.952526
3.80	40	5199.981667	5199.947570	5199.955217	5199.950315
3.80	50	5199.974951	5199.939923	5199.952003	5199.940943
3.40	20	5199.967355	5199.932769	5199.949780	5199.935373
4.35	20	5199.965709	5199.926931	5199.944963	5199.928587
MHz		-0.034291	-0.073069	-0.055037	-0.071413
PPM		-6.594367	-14.051689	-10.584050	-13.733266

### 5.4. Power Spectral Density

#### Ambient condition

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

#### Method of Measurement

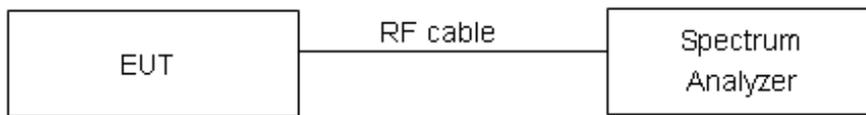
The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 500 kHz, VBW =1.5MHz for the band 5.725-5.85 GHz

Set RBW = 1 MHz, VBW =3MHz for the band 5.150-5.250 GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

#### Test setup



#### Limits

Rule FCC Part 15.407(a)(1)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Frequency Bands/MHz	Limits
5150-5250	17dBm/MHz

#### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 0.75\text{dB}$ .



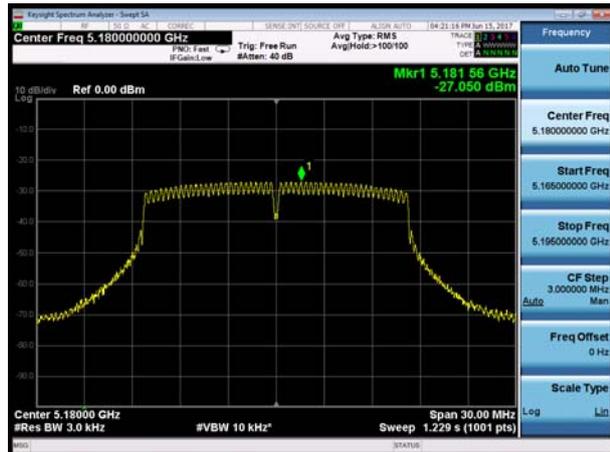
Test Results:

U-NII-1

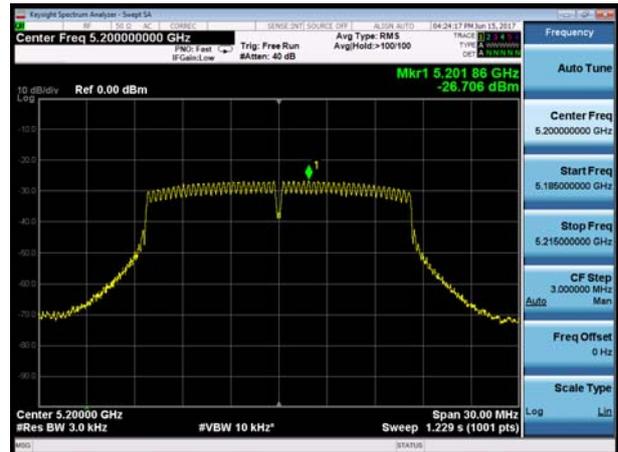
SISO Antenna 1

Network Standards	Channel Number	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36	-27.05	17	PASS
	40	-26.71	17	PASS
	48	-26.23	17	PASS

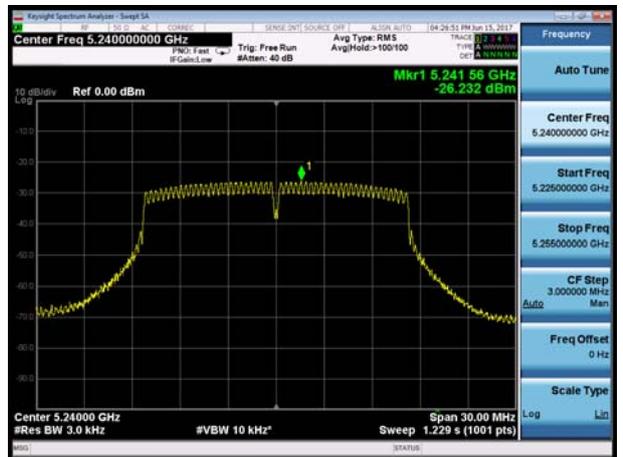
U-NII-1, 802.11a, Channel No.: 36



U-NII-1, 802.11a, Channel No.: 40



U-NII-1, 802.11a, Channel No.: 48

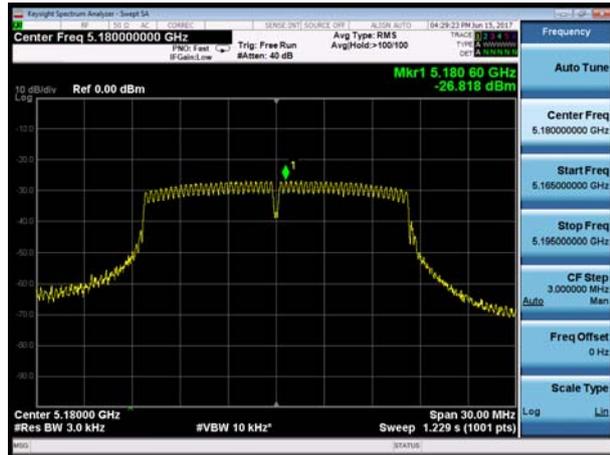




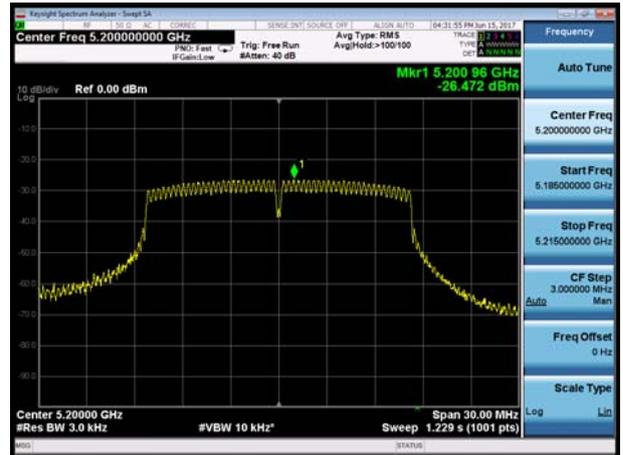
SISO Antenna 2

Network Standards	Channel Number	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36	-26.82	17	PASS
	40	-26.47	17	PASS
	48	-26.23	17	PASS

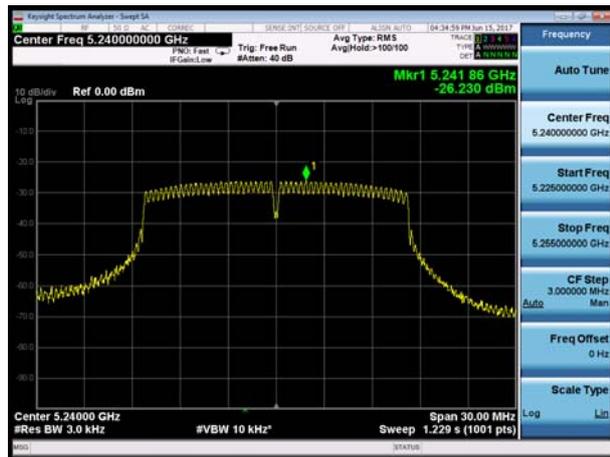
U-NII-1, 802.11a, Channel No.: 36



U-NII-1, 802.11a, Channel No.: 40



U-NII-1, 802.11a, Channel No.: 48



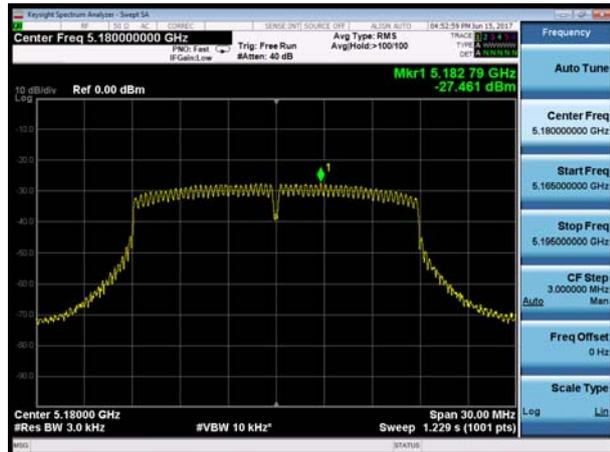
**MIMO Antenna 1**

Network Standards		Channel/ Frequency (MHz)	Power Spectral Density (dBm /MHz)			Limit (dBm /MHz)	Conclusion
			ANT1	ANT2	MIMO		
802.11n HT20	U-NII-1	36/5180	-27.46	-29.18	-25.22	17	PASS
		40/5200	-27.36	-27.40	-24.37	17	PASS
		48/5240	-27.53	-26.47	-23.96	17	PASS
802.11ac HT20	U-NII-1	36/5180	-26.71	-27.03	-24.22	17	PASS
		40/5200	-30.13	-27.14	-24.12	17	PASS
		48/5240	-29.46	-26.52	-23.61	17	PASS
802.11n HT40	U-NII-1	38/5190	-27.44	-31.95	-27.94	17	PASS
		46/5230	-27.12	-31.22	-27.24	17	PASS
802.11ac HT40	U-NII-1	38/5190	-30.28	-29.94	-27.10	17	PASS
		46/5230	-29.78	-29.51	-26.63	17	PASS
802.11ac HT80	U-NII-1	42/5210	-35.95	-36.40	-33.16	17	PASS

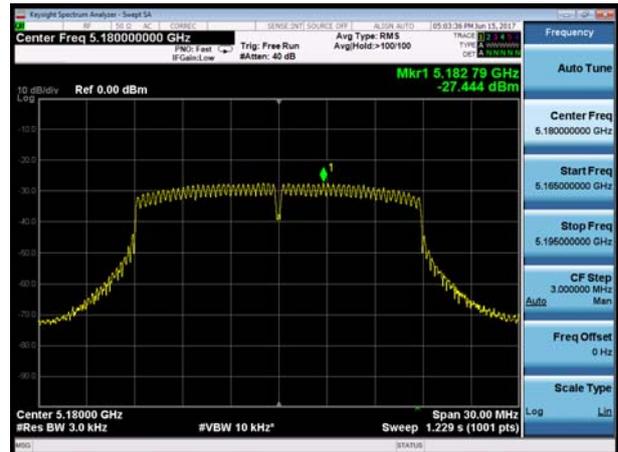


Antenna 1

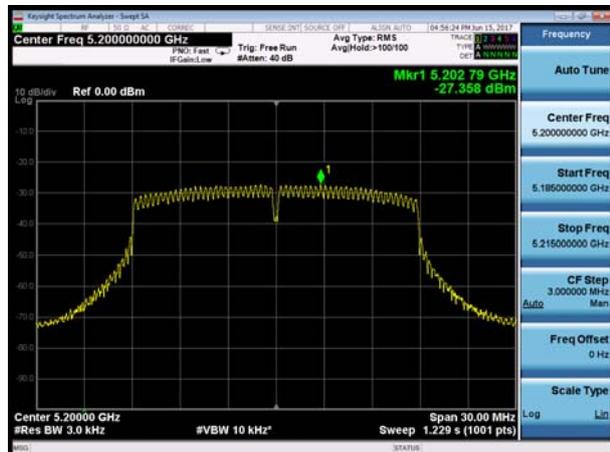
U-NII-1, 802.11n HT20, Channel No.: 36



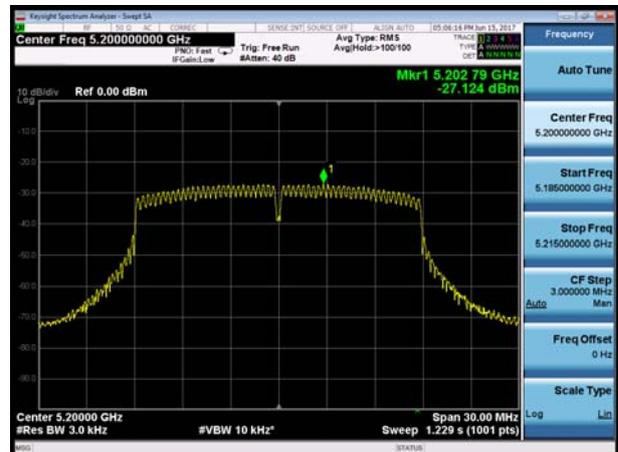
U-NII-1, 802.11ac HT20, Channel No.: 36



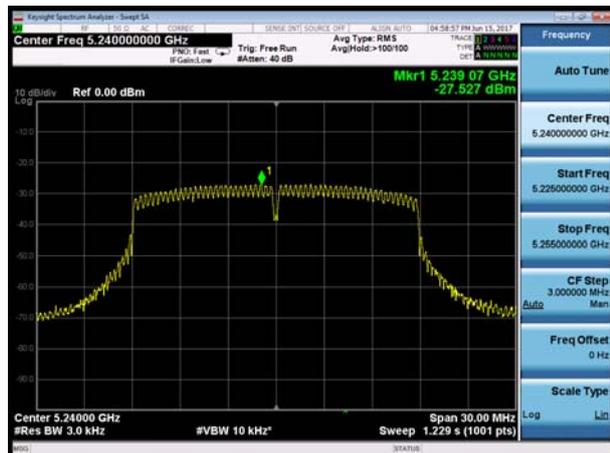
U-NII-1, 802.11n HT20, Channel No.: 40



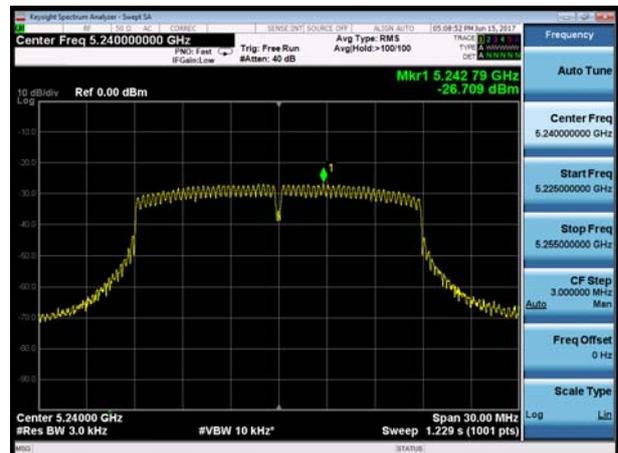
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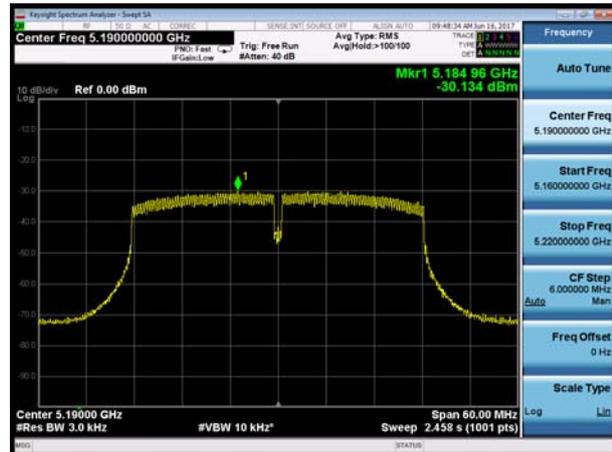
U-NII-1, 802.11n HT20, Channel No.: 48



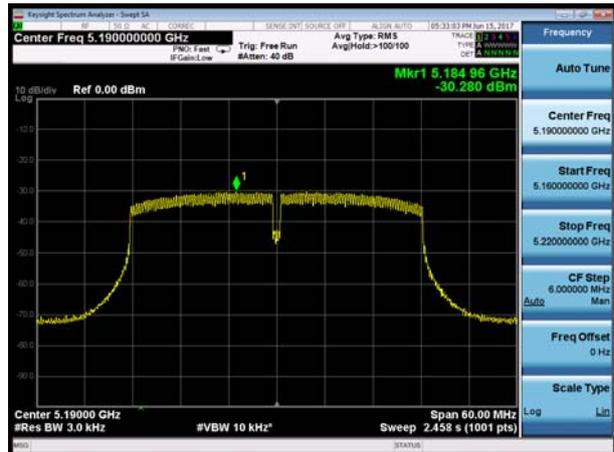
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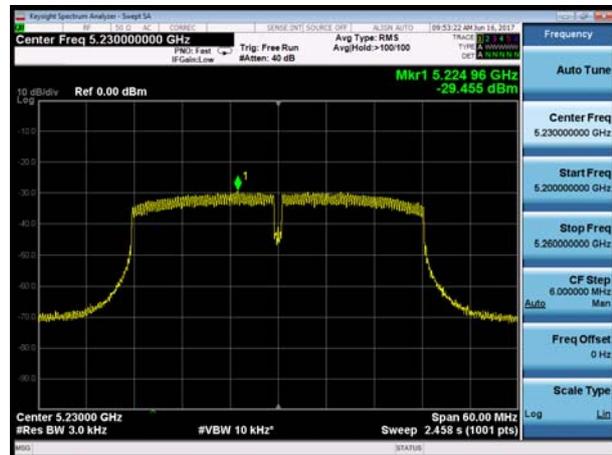
U-NII-1, 802.11n HT40, Channel No.: 38



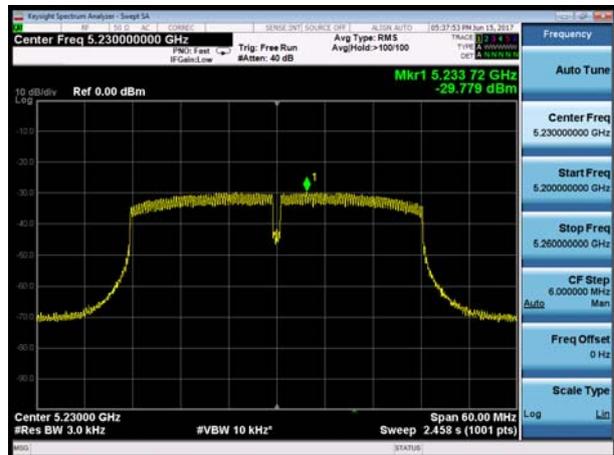
U-NII-1, 802.11ac HT40, Channel No.: 38



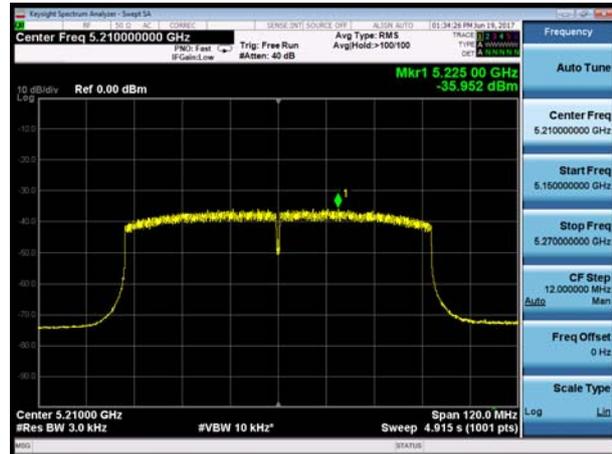
U-NII-1, 802.11n HT40, Channel No.: 46



U-NII-1, 802.11ac HT40, Channel No.: 46



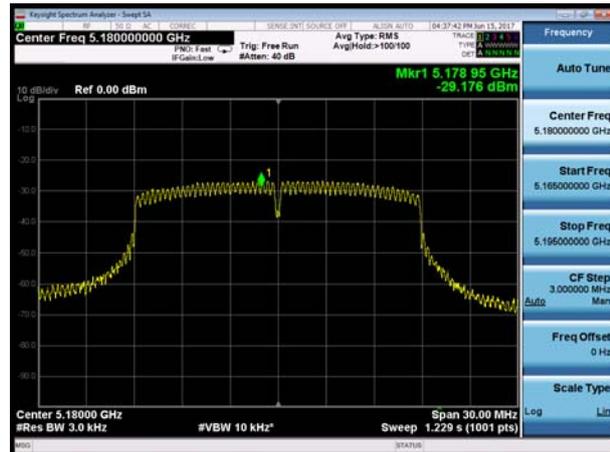
U-NII-1, 802.11ac HT80, Channel No.: 42



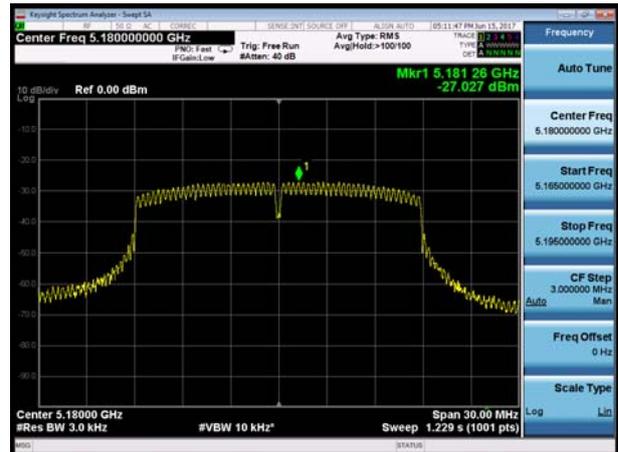


Antenna 2

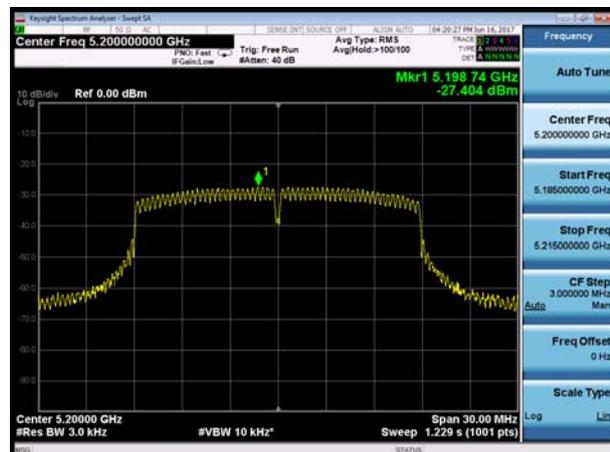
U-NII-1, 802.11n HT20, Channel No.: 36



U-NII-1, 802.11ac HT20, Channel No.: 36



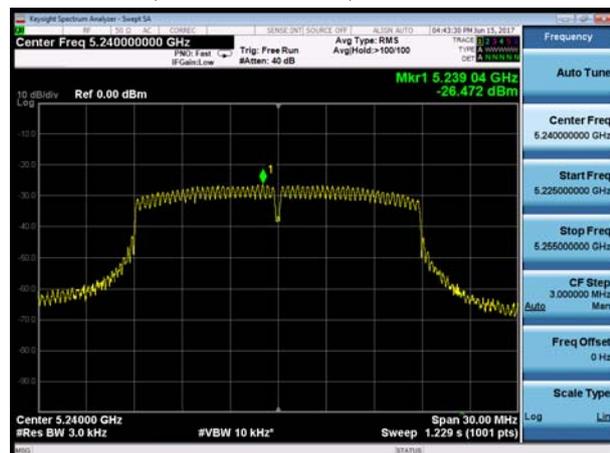
U-NII-1, 802.11n HT20, Channel No.: 40



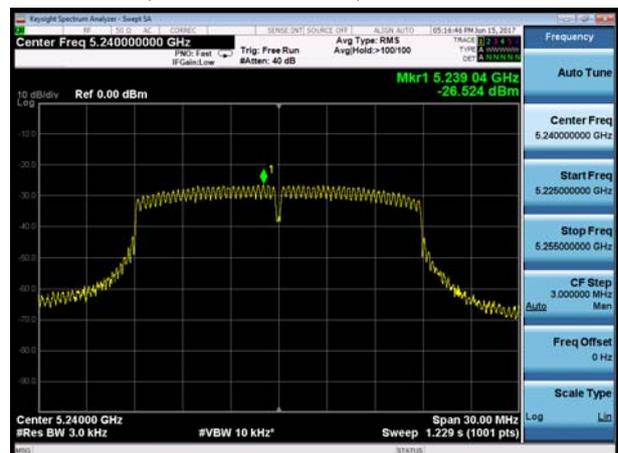
U-NII-1, 802.11ac HT20, Channel No.: 40



U-NII-1, 802.11n HT20, Channel No.: 48



U-NII-1, 802.11ac HT20, Channel No.: 48

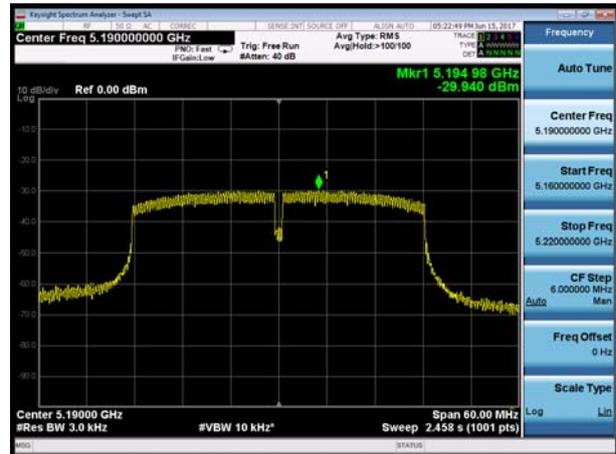




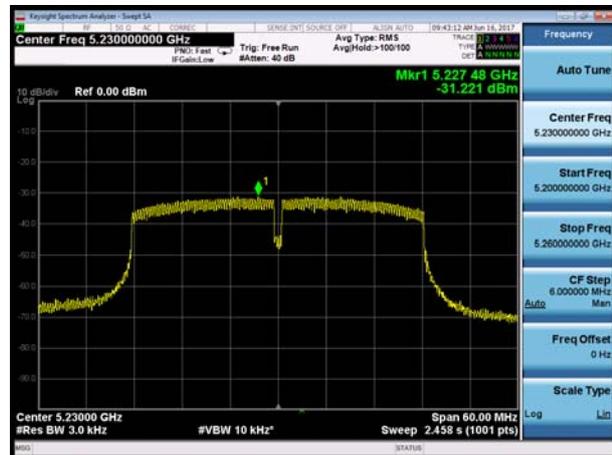
U-NII-1, 802.11n HT40, Channel No.: 38



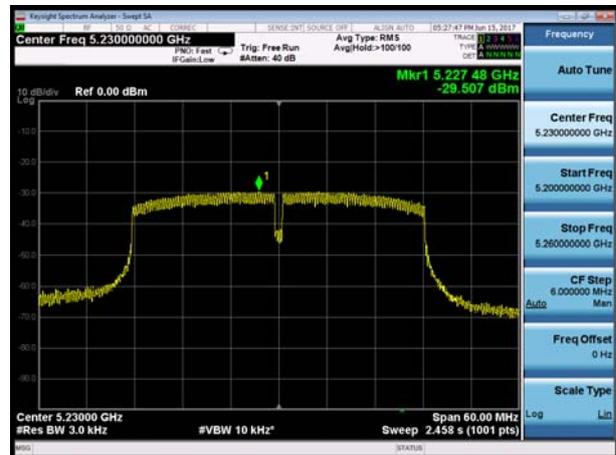
U-NII-1, 802.11ac HT40, Channel No.: 38



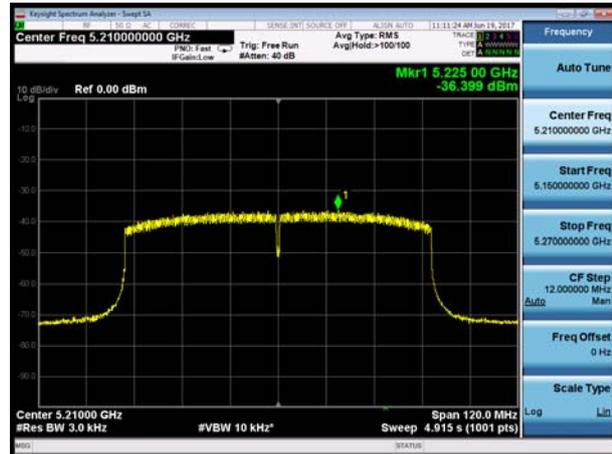
U-NII-1, 802.11n HT40, Channel No.: 46



U-NII-1, 802.11ac HT40, Channel No.: 46



U-NII-1, 802.11ac HT80, Channel No.: 42



## 5.5. Unwanted Emission

### Ambient condition

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

### Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10-2013. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration. Sweep the whole frequency band range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

Below 1GHz (detector: Peak and Quasi-Peak)

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz (detector: Peak):

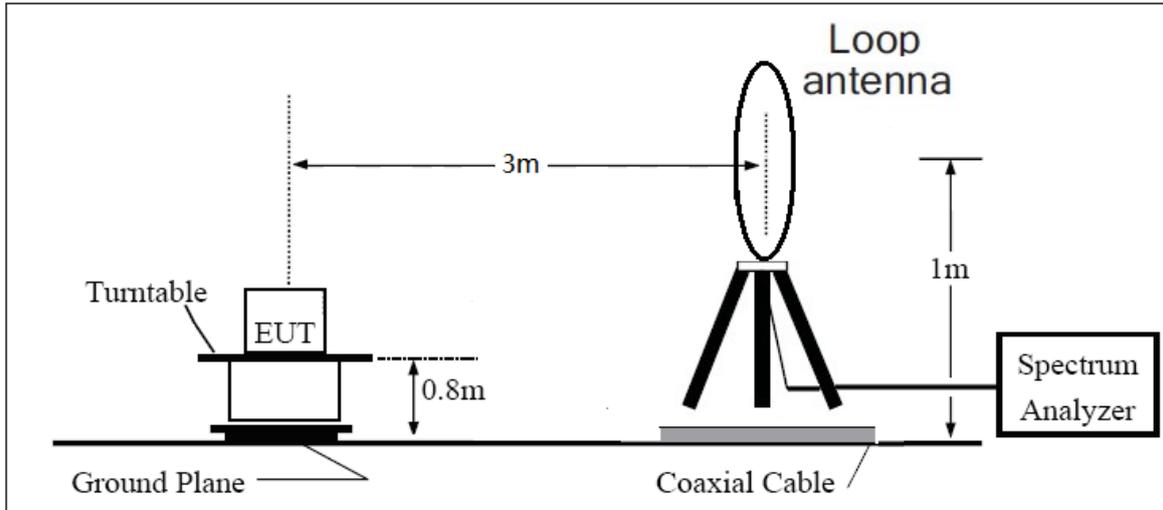
(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

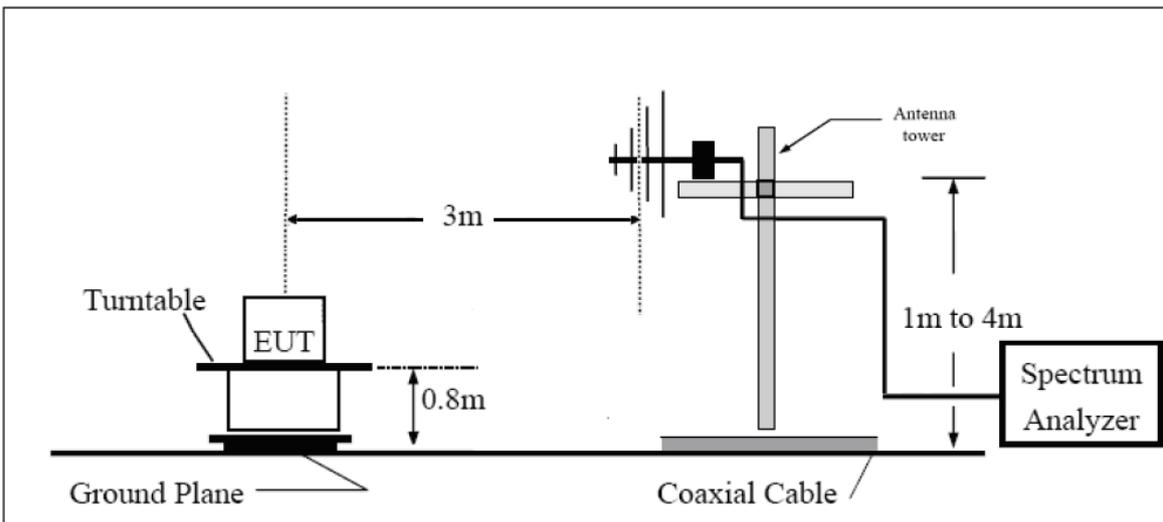
The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

The test is in transmitting mode.

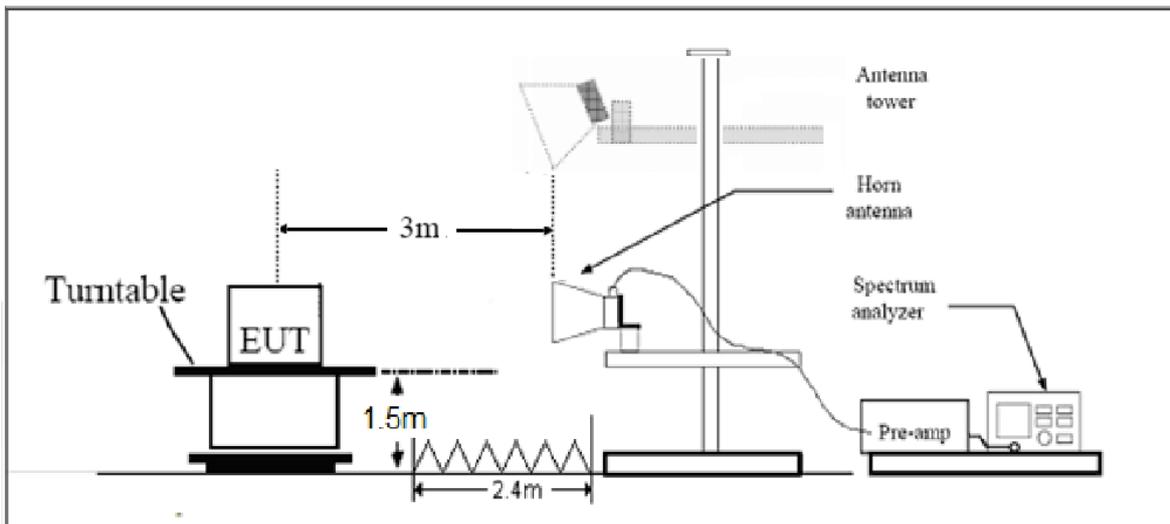
9KHz~~~30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m



**Limits**

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBμV/m). The provisions of §15.205 apply to intentional radiators operating under this section.

Note: the following formula is used to convert the EIRP to field strength

§1、  $E[dB\mu V/m] = EIRP[dBm] - 20 \log(d[meters]) + 104.77$ , where E = field strength and

d = distance at which field strength limit is specified in the rules;

§2、  $E[dB\mu V/m] = EIRP[dBm] + 95.2$ , for d = 3 meters

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

### Measurement Uncertainty

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

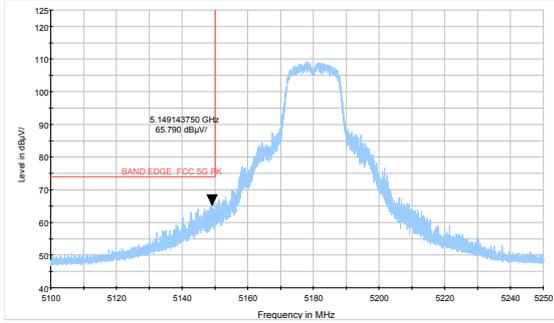
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
1GHz-26.5G	3.68 dB
26.5G-40GHz	4.76dB

**Test Results:**

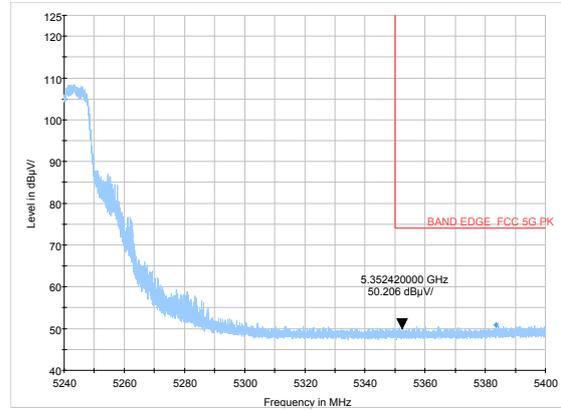
The signal beyond the limit is carrier.

SISO Antenna 2 U-NII-1

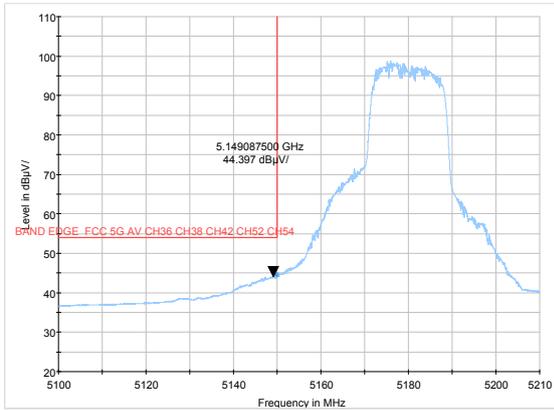
**802.11a-Channel 36: Peak**



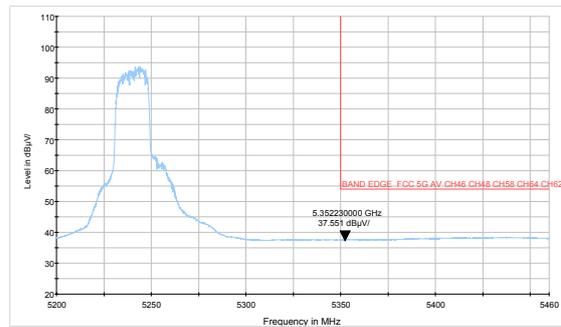
**802.11a-Channel 48: Peak**



**802.11a-Channel 36: Average**

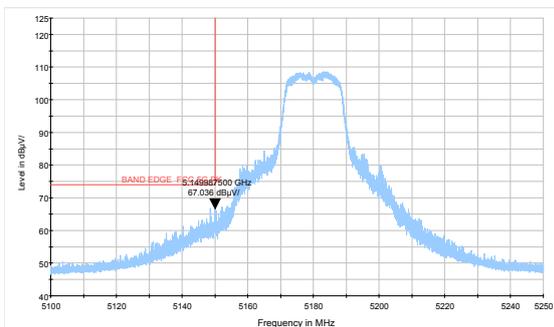


**802.11a-Channel 48: Average**

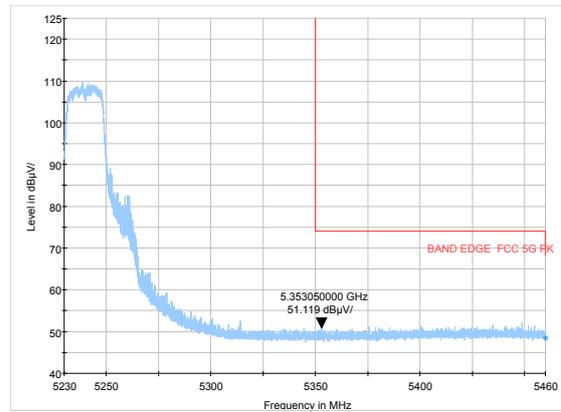


**MIMO**

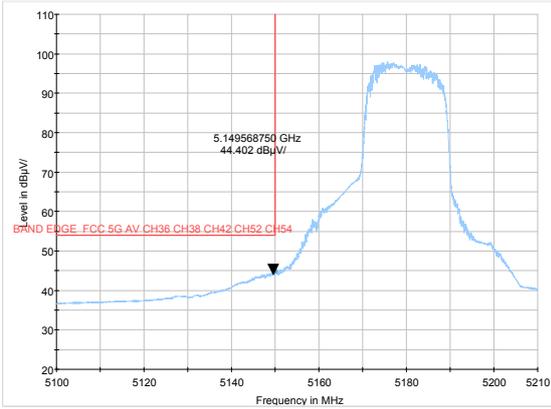
**802.11n HT20-Channel 36: Peak**



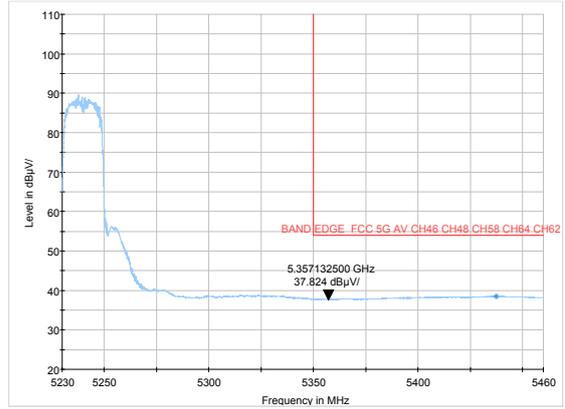
**802.11n HT20-Channel 48: Peak**



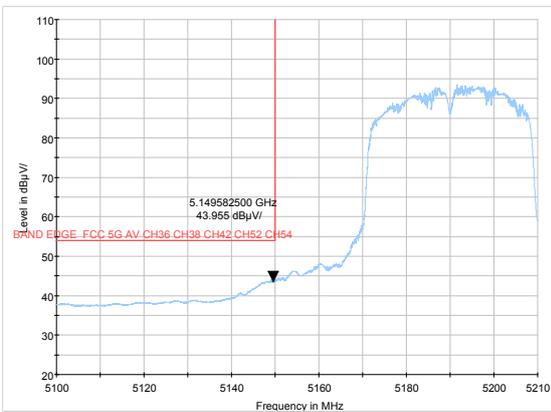
**802.11n HT20-Channel 36: Average**



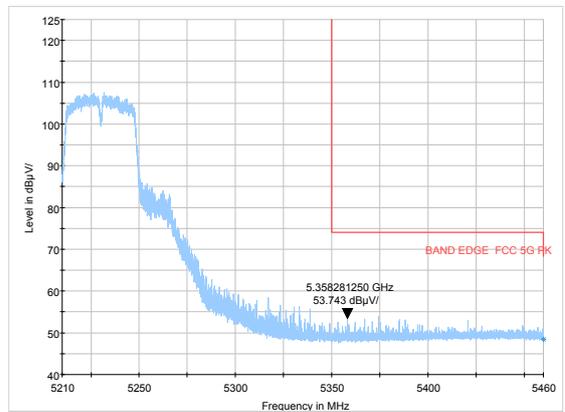
**802.11n HT20-Channel 48: Average**



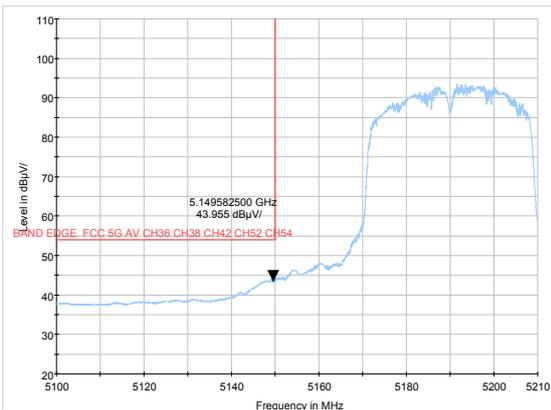
**802.11n HT40-Channel 38: Peak**



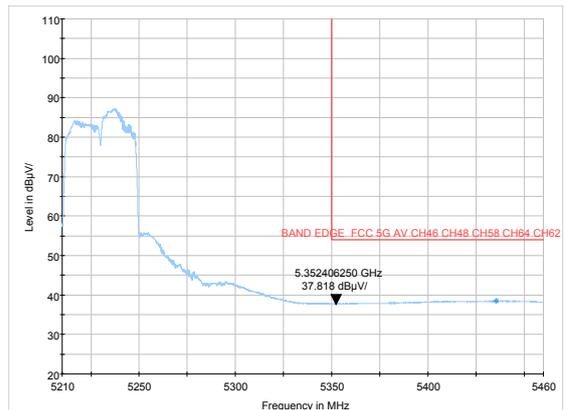
**802.11n HT40-Channel 46: Peak**



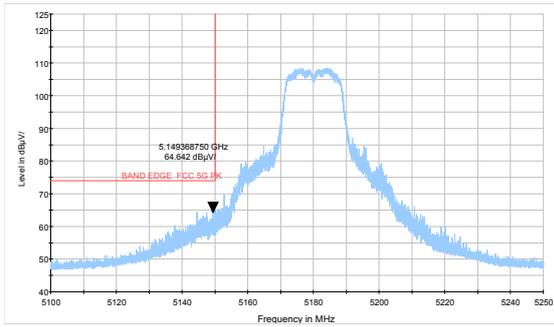
**802.11n HT40-Channel 38: Average**



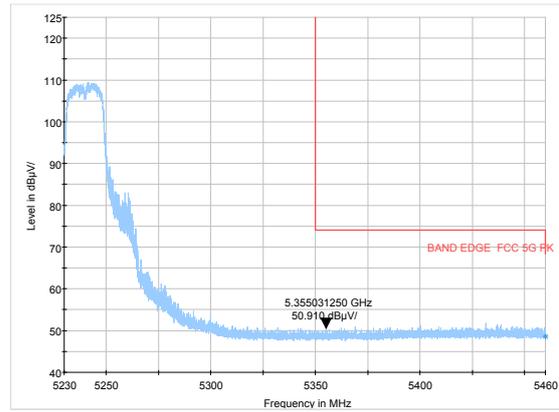
**802.11n HT40-Channel 46: Average**



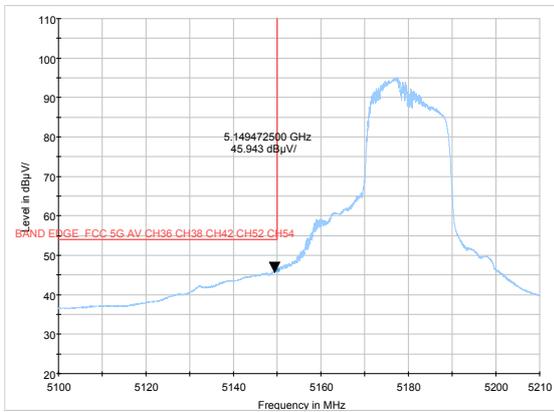
### 802.11ac HT20 -Channel 36: Peak



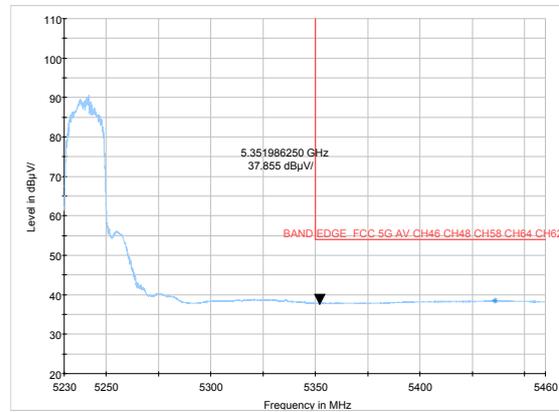
### 802.11ac HT20 -Channel 48: Peak



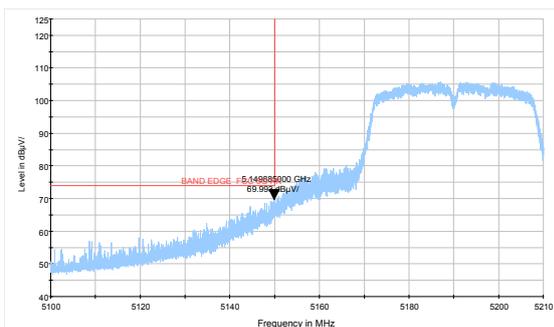
### 802.11ac HT20-Channel 36: Average



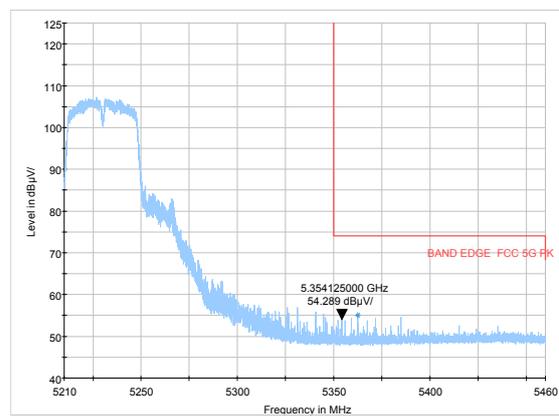
### 802.11ac HT20 -Channel 48: Average



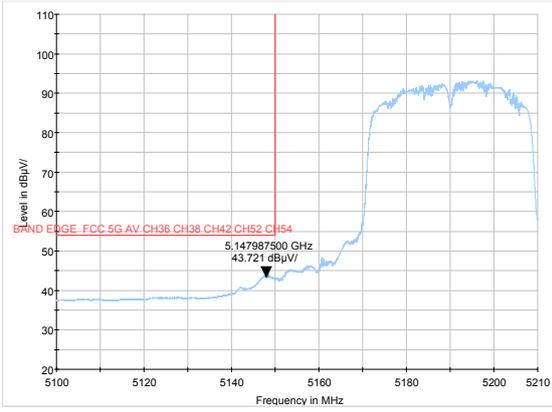
### 802.11ac HT40-Channel 38: Peak



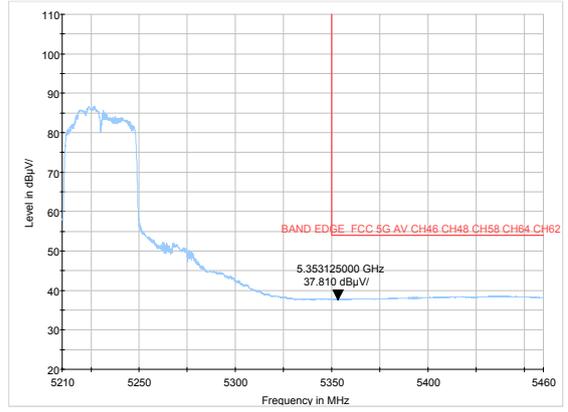
### 802.11ac HT40-Channel 46: Peak



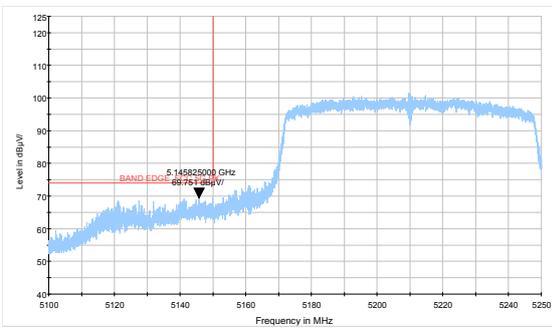
**802.11ac HT40-Channel 38: Average**



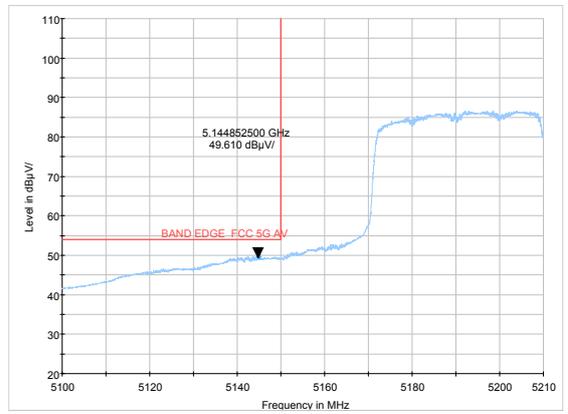
**802.11ac HT40-Channel 46: Average**



**802.11ac HT80 -Channel 42: Peak**



**802.11ac HT80- Channel 42: Average**



**Result of RE**

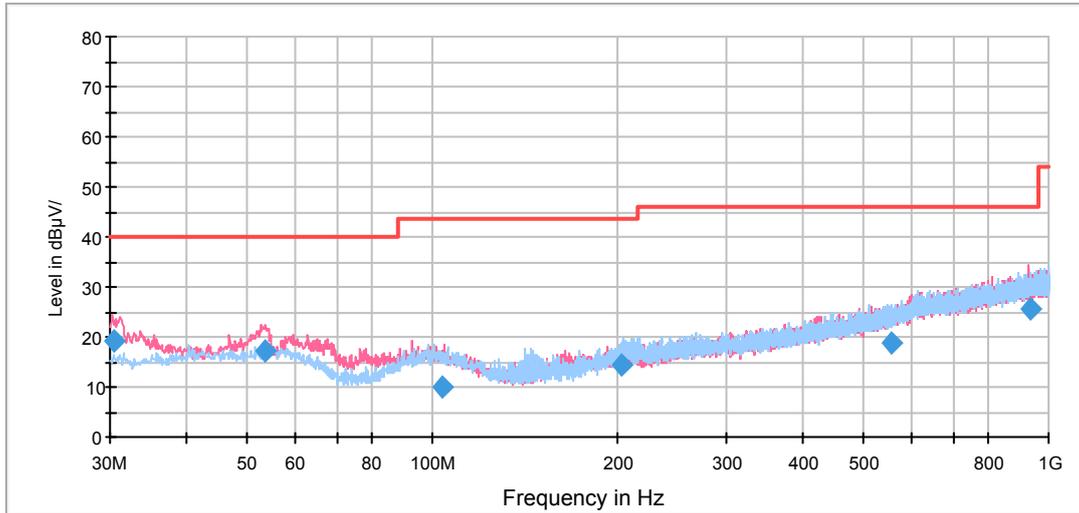
**Test result**

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and 9KHz-30MHz, the emissions more than 20 dB below the permissible value are not reported.

**SISO Antenna 2**

**802.11a CH36**

FCC RE 0.03-1GHz QP Class B

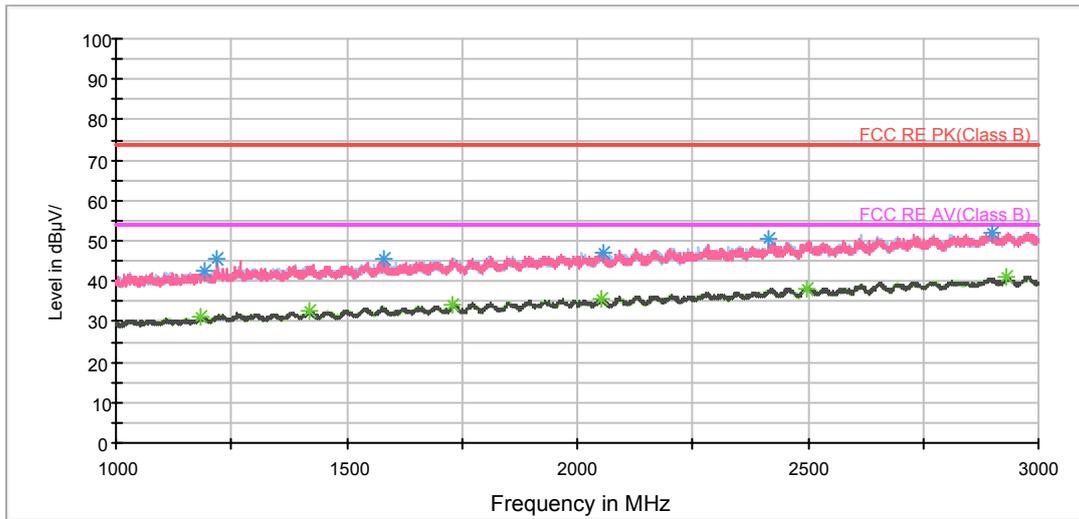


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.360000	19.3	100.0	V	0.0	7.2	12.1	20.7	40.0
53.650000	17.1	100.0	V	332.0	4.3	12.8	22.9	40.0
103.847500	10.0	125.0	V	242.0	-2.9	12.9	33.5	43.5
203.430000	14.5	125.0	H	231.0	2.3	12.2	29.0	43.5
557.356250	19.0	114.0	H	21.0	-2.8	21.8	27.0	46.0
931.248750	25.7	125.0	V	305.0	-1.3	27.0	20.3	46.0

- Remark:**
1. Quasi-Peak = Reading value + Correction factor
  2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
  3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

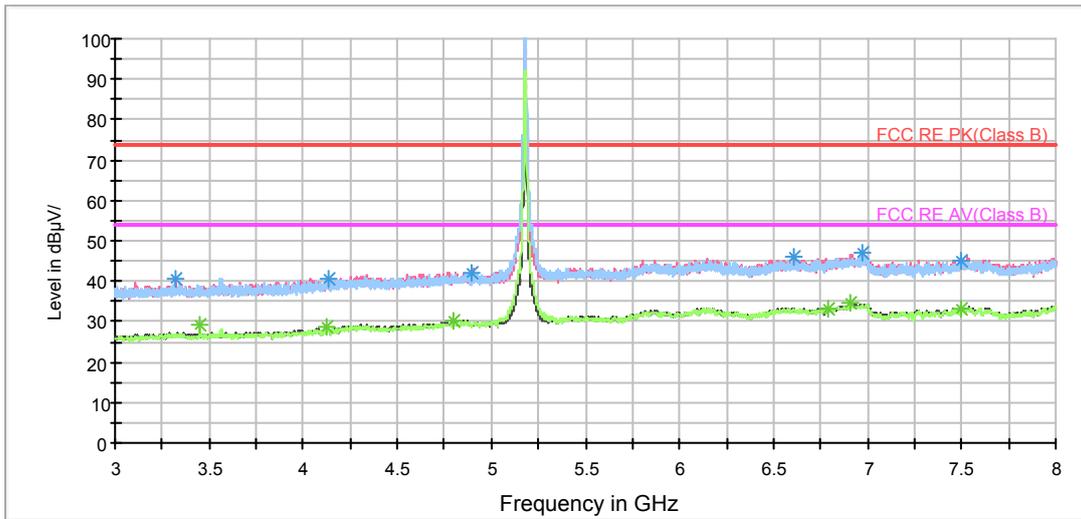
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1191.000000	42.4	305.0	H	243.0	47.6	-5.2	31.6	74
1220.500000	45.7	205.0	V	353.0	50.6	-4.9	28.3	74
1578.750000	45.7	205.0	V	324.0	49.0	-3.3	28.3	74
2054.750000	47.3	305.0	V	0.0	47.5	-0.2	26.7	74
2415.500000	50.4	305.0	H	258.0	48.0	2.4	23.6	74
2899.500000	52.2	305.0	H	294.0	47.1	5.1	21.8	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)
1184.500000	31.2	205.0	V	324.0	36.3	-5.1	22.8	54
1419.750000	32.6	305.0	H	251.0	36.5	-3.9	21.4	54
1731.250000	34.4	305.0	H	337.0	36.3	-1.9	19.6	54
2054.000000	35.8	105.0	H	355.0	36.0	-0.2	18.2	54
2498.000000	38.3	205.0	V	346.0	35.4	2.9	15.7	54
2931.000000	41.1	305.0	H	34.0	36.3	4.8	12.9	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

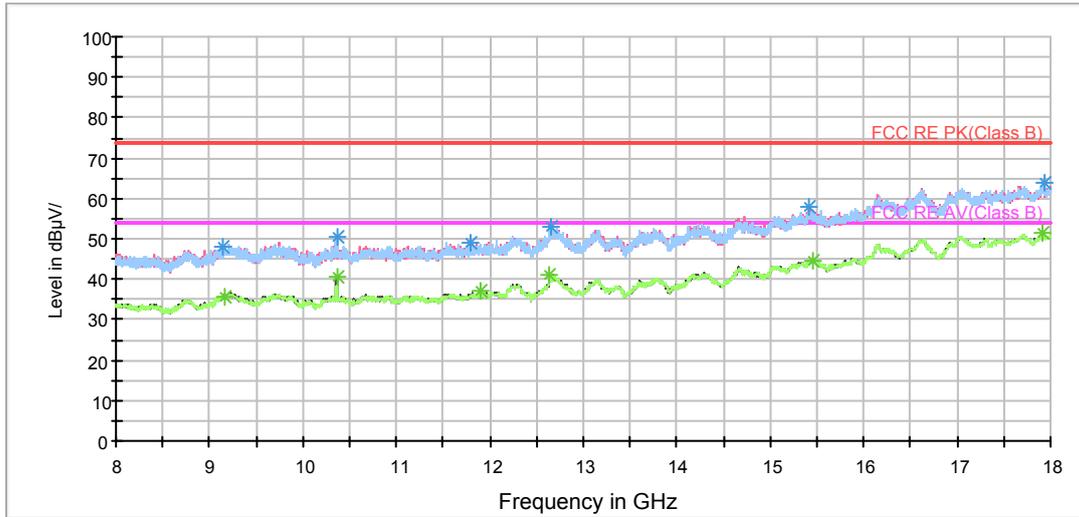
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3322.500000	40.6	205.0	V	130.0	42.7	-2.1	33.4	74
4140.000000	40.8	205.0	V	89.0	41.1	-0.3	33.2	74
4891.250000	42.1	105.0	V	300.0	40.2	1.9	31.9	74
6607.500000	45.9	105.0	V	300.0	40.3	5.6	28.1	74
6973.750000	46.9	205.0	H	0.0	40.6	6.3	27.1	74
7499.375000	44.9	205.0	V	237.0	38.0	6.9	29.1	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)
3453.125000	29.0	105.0	H	0.0	31.2	-2.2	25.0	54
4126.875000	28.5	105.0	V	175.0	28.9	-0.4	25.5	54
4796.250000	30.0	205.0	V	0.0	28.8	1.2	24.0	54
6793.125000	33.3	105.0	V	325.0	27.6	5.7	20.7	54
6906.875000	34.5	105.0	H	85.0	28.2	6.3	19.5	54
7498.125000	33.1	105.0	V	276.0	26.3	6.8	20.9	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

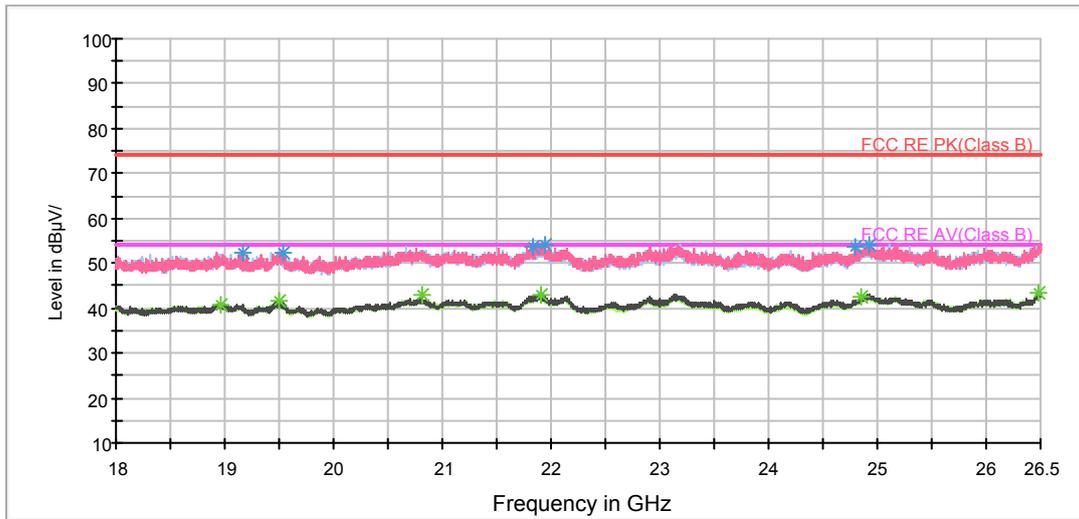
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9137.500000	48.2	202.0	V	0.0	38.3	9.9	25.8	74
10361.250000	50.7	101.0	V	334.0	40.9	9.8	23.3	74
11802.500000	49.1	101.0	H	0.0	37.3	11.8	24.9	74
12646.250000	52.8	101.0	H	0.0	38.5	14.3	21.2	74
15415.000000	57.9	202.0	V	153.0	38.6	19.3	16.1	74
17933.750000	64.0	101.0	H	19.0	38.8	25.2	10.0	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)
9157.500000	35.9	101.0	H	108.0	25.6	10.3	18.1	54
10360.000000	40.6	101.0	V	334.0	30.8	9.8	13.4	54
11898.750000	37.0	101.0	H	108.0	24.7	12.3	17.0	54
12642.500000	40.9	202.0	V	86.0	26.4	14.5	13.1	54
15457.500000	44.8	202.0	H	297.0	25.2	19.6	9.2	54
17916.250000	51.3	101.0	V	289.0	25.6	25.7	2.7	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

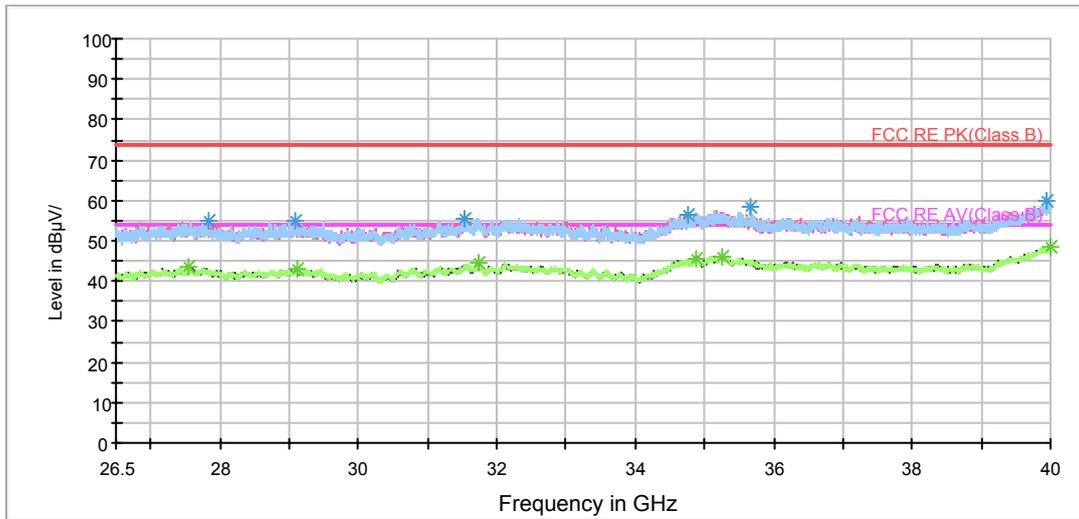
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19170.875000	52.3	V	106.0	52.8	-0.5	21.7	74
19536.375000	52.2	V	254.0	52.2	0.0	21.8	74
21826.062500	53.8	H	0.0	55.7	-1.9	20.2	74
21941.875000	54.3	V	15.0	55.7	-1.4	19.7	74
24805.312500	53.5	V	0.0	53.4	0.1	20.5	74
24923.250000	54.3	V	15.0	53.6	0.7	19.7	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18969.000000	40.9	V	47.0	41.0	-0.1	13.1	54
19498.125000	41.6	V	64.0	41.5	0.1	12.4	54
20816.687500	42.8	V	15.0	44.8	-2.0	11.2	54
21899.375000	43.2	V	0.0	44.8	-1.6	10.8	54
24844.625000	42.5	V	0.0	42.2	0.3	11.5	54
26490.437500	43.5	V	159.0	42.4	1.1	10.5	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27846.625000	54.9	H	90.0	55.0	-0.1	19.1	74
29078.500000	54.7	H	90.0	54.8	-0.1	19.3	74
31533.812500	55.4	H	185.0	55.8	-0.4	18.6	74
34777.187500	56.7	V	194.0	55.5	1.2	17.3	74
35656.375000	58.3	H	102.0	57.1	1.2	15.7	74
39944.312500	59.7	V	270.0	54.0	5.7	14.3	74

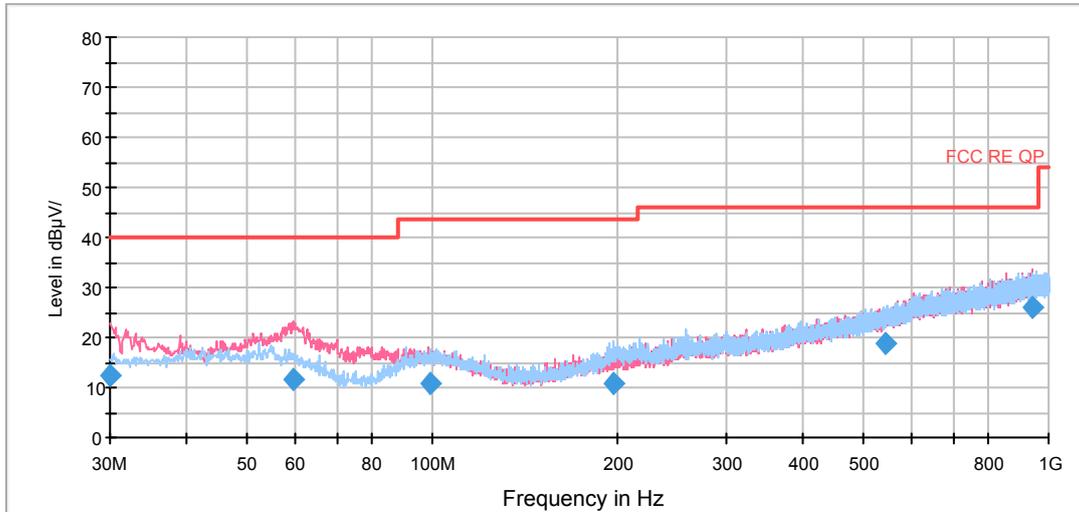
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27559.750000	43.4	V	270.0	43.0	0.4	10.6	54
29119.000000	43.0	H	120.0	43.2	-0.2	11.0	54
31743.062500	44.4	V	270.0	44.7	-0.3	9.6	54
34864.937500	45.6	H	129.0	43.9	1.7	8.4	54
35244.625000	46.3	V	270.0	44.3	2.0	7.7	54
40000.000000	48.6	V	212.0	42.6	6.0	5.4	54

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

802.11a CH40

FCC RE 0.03-1GHz QP Class B

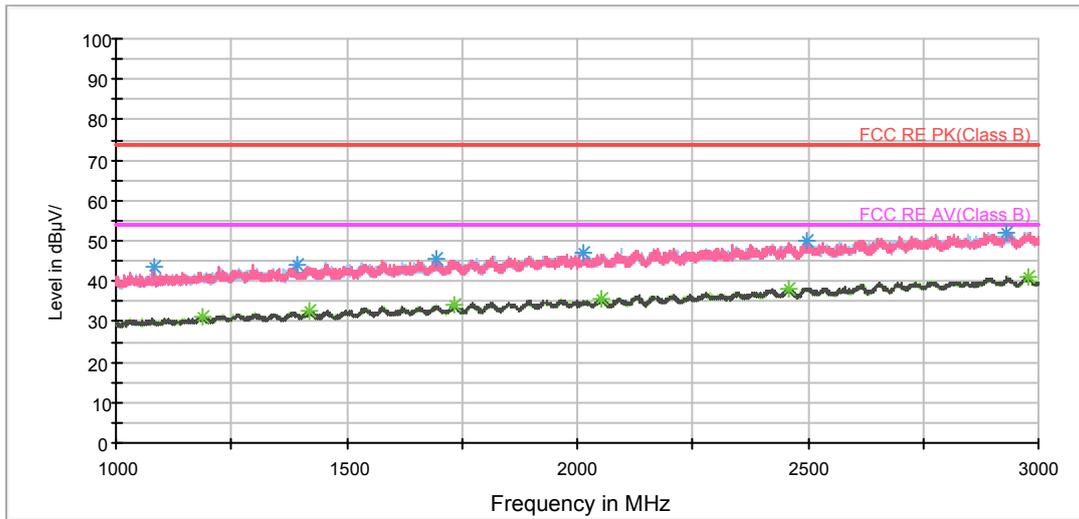


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.000000	12.5	100.0	V	337.0	0.4	12.1	27.5	40.0
59.423750	11.7	125.0	V	161.0	-0.9	12.6	28.3	40.0
98.986250	11.0	125.0	V	0.0	-2.2	13.2	32.5	43.5
197.202500	10.7	100.0	H	39.0	-1.2	11.9	32.8	43.5
545.196250	18.7	125.0	H	10.0	-2.9	21.6	27.3	46.0
944.992500	25.9	125.0	V	161.0	-1.3	27.2	20.1	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

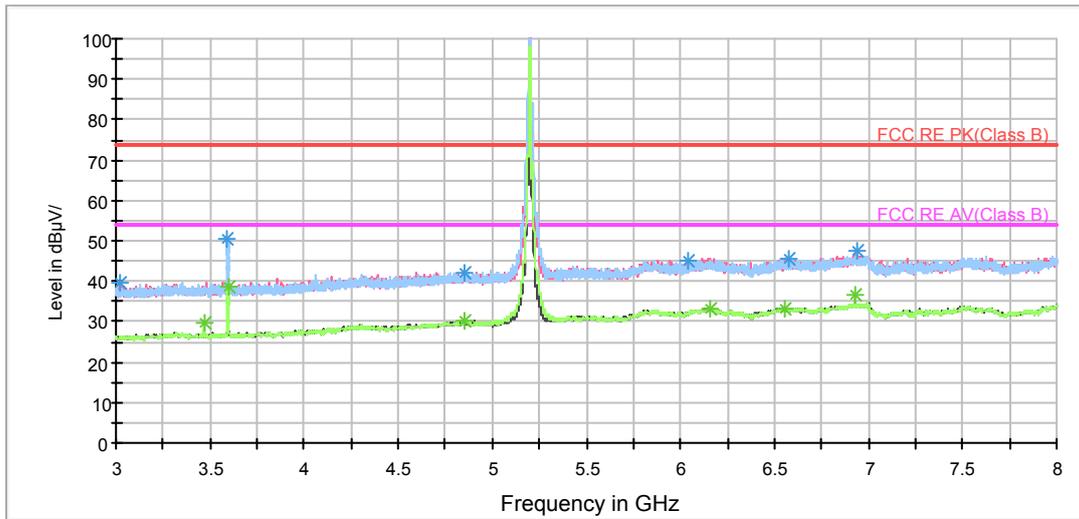
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1084.250000	43.3	205.0	V	338.0	49.2	-5.9	30.7	74
1393.000000	43.9	205.0	H	86.0	47.9	-4.0	30.1	74
1692.250000	45.3	105.0	H	285.0	47.3	-2.0	28.7	74
2011.500000	47.0	205.0	V	260.0	47.5	-0.5	27.0	74
2497.250000	49.8	205.0	H	33.0	46.8	3.0	24.2	74
2931.500000	52.2	205.0	V	66.0	47.4	4.8	21.8	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)
1185.750000	31.0	205.0	H	0.0	36.1	-5.1	23.0	54
1419.750000	32.6	205.0	V	324.0	36.5	-3.9	21.4	54
1731.500000	34.0	205.0	V	74.0	35.8	-1.8	20.0	54
2053.750000	35.7	205.0	V	260.0	35.9	-0.2	18.3	54
2457.750000	38.3	105.0	V	0.0	35.8	2.5	15.7	54
2977.500000	41.2	205.0	H	41.0	36.0	5.2	12.8	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

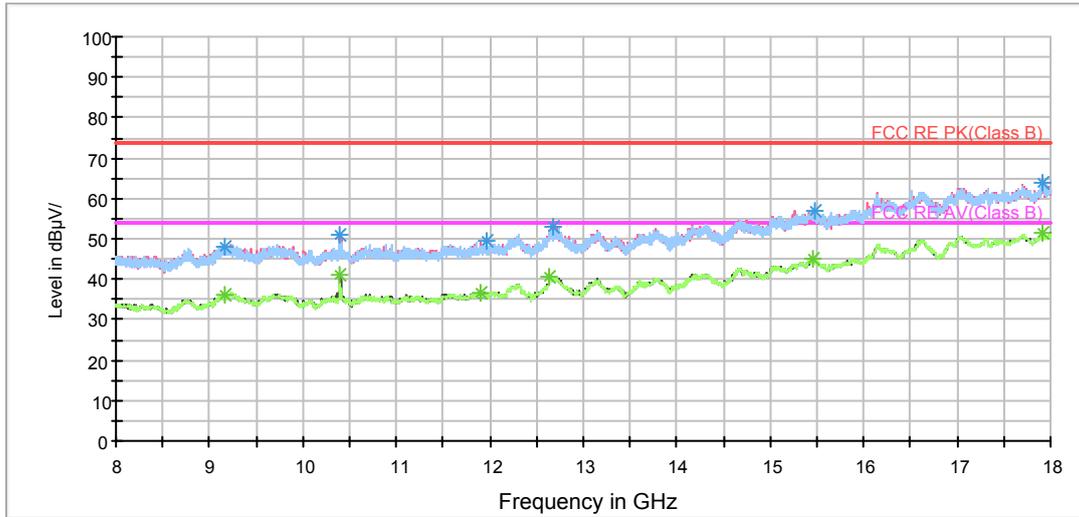
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3016.250000	39.6	104.0	V	0.0	42.8	-3.2	34.4	74
3593.125000	50.6	205.0	H	105.0	52.9	-2.3	23.4	74
4848.750000	42.3	104.0	H	129.0	40.7	1.6	31.7	74
6045.000000	45.2	205.0	H	0.0	40.3	4.9	28.8	74
6572.500000	45.7	205.0	V	251.0	40.1	5.6	28.3	74
6938.125000	47.3	104.0	H	88.0	41.2	6.1	26.7	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)
3466.250000	29.9	205.0	H	0.0	32.0	-2.1	24.1	54
3594.375000	38.5	205.0	H	105.0	40.8	-2.3	15.5	54
4848.125000	30.4	205.0	H	105.0	28.8	1.6	23.6	54
6160.000000	33.3	205.0	V	167.0	27.6	5.7	20.7	54
6556.875000	33.3	104.0	V	211.0	27.6	5.7	20.7	54
6933.750000	36.7	205.0	H	105.0	30.5	6.2	17.3	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

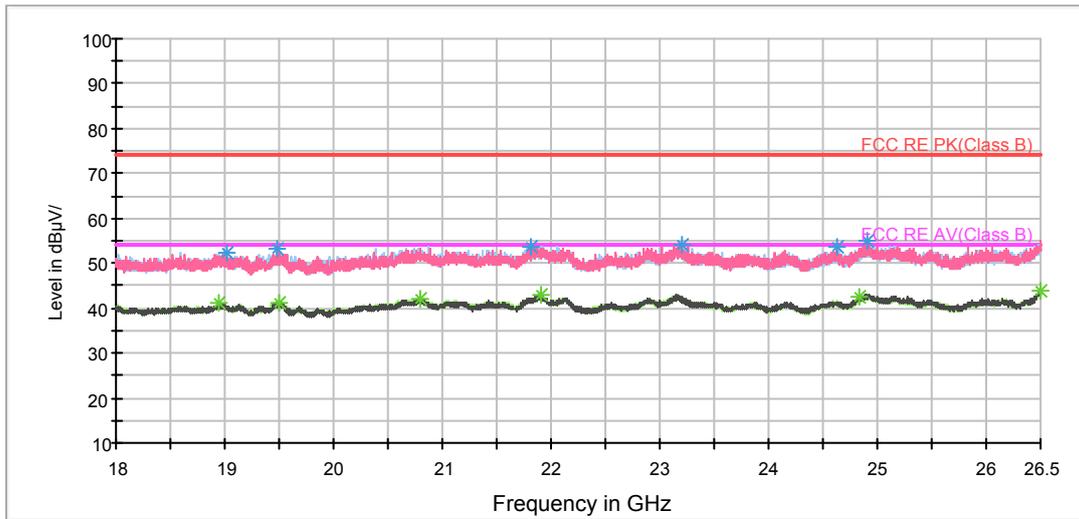
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9156.250000	48.1	202.0	H	18.0	37.8	10.3	25.9	74
10401.250000	50.9	202.0	V	65.0	41.5	9.4	23.1	74
11968.750000	49.5	103.0	V	160.0	37.7	11.8	24.5	74
12686.250000	53.0	202.0	V	21.0	38.8	14.2	21.0	74
15473.750000	57.1	103.0	V	339.0	37.3	19.8	16.9	74
17905.000000	63.7	103.0	H	0.0	38.4	25.3	10.3	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)
9155.000000	36.0	103.0	V	317.0	25.7	10.3	18.0	54
10400.000000	41.2	103.0	V	339.0	31.8	9.4	12.8	54
11898.750000	36.8	103.0	H	0.0	24.5	12.3	17.2	54
12643.750000	40.8	103.0	V	228.0	26.4	14.4	13.2	54
15447.500000	44.8	202.0	H	90.0	25.3	19.5	9.2	54
17921.250000	51.3	103.0	H	22.0	25.6	25.7	2.7	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

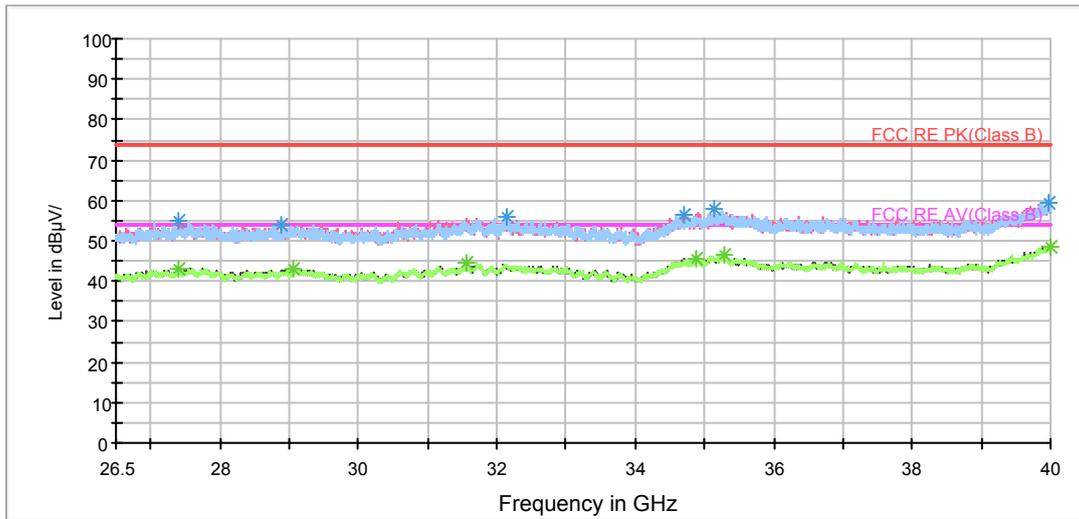
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19013.625000	52.2	H	359.0	52.4	-0.2	21.8	74
19472.625000	53.1	H	303.0	53.0	0.1	20.9	74
21820.750000	53.9	H	228.0	55.9	-2.0	20.1	74
23194.562500	54.1	V	48.0	54.2	-0.1	19.9	74
24620.437500	53.8	H	0.0	54.0	-0.2	20.2	74
24904.125000	55.1	V	247.0	54.5	0.6	18.9	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18939.250000	41.0	H	202.0	41.0	0.0	13.0	54
19504.500000	41.3	H	0.0	41.2	0.1	12.7	54
20794.375000	42.3	H	343.0	44.2	-1.9	11.7	54
21907.875000	43.2	H	36.0	44.7	-1.5	10.8	54
24839.312500	42.3	H	0.0	42.0	0.3	11.7	54
26497.875000	43.7	H	228.0	42.6	1.1	10.3	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27406.187500	55.2	V	193.0	54.8	0.4	18.8	74
28876.000000	53.9	V	263.0	54.1	-0.2	20.1	74
32134.562500	55.8	H	90.0	56.1	-0.3	18.2	74
34708.000000	56.4	V	245.0	55.6	0.8	17.6	74
35131.562500	57.7	V	94.0	55.5	2.2	16.3	74
39959.500000	59.5	V	270.0	53.8	5.7	14.5	74

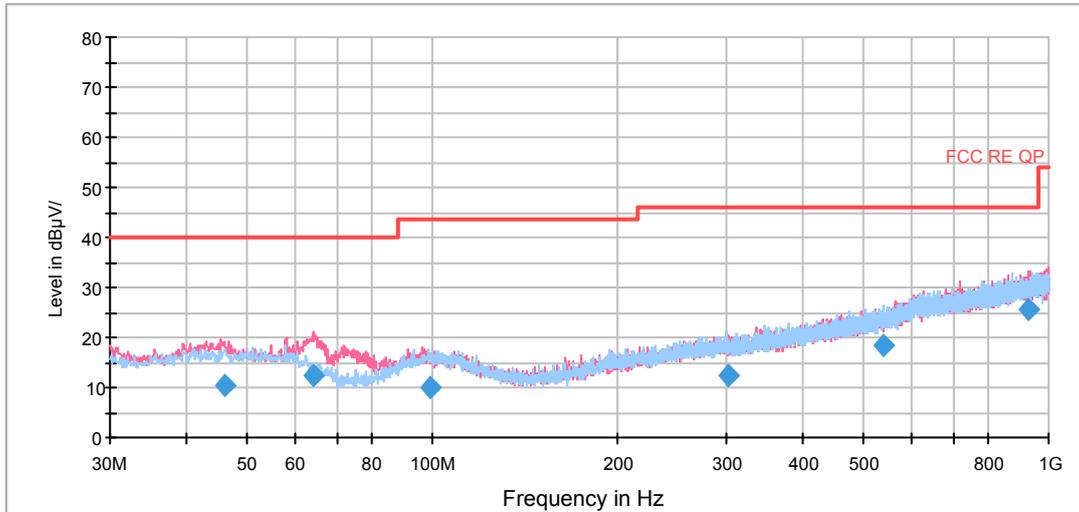
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27402.812500	43.0	V	228.0	42.6	0.4	11.0	54
29049.812500	43.2	H	90.0	43.3	-0.1	10.8	54
31565.875000	44.5	V	193.0	44.9	-0.4	9.5	54
34868.312500	45.7	V	270.0	44.0	1.7	8.3	54
35293.562500	46.4	V	245.0	44.5	1.9	7.6	54
39998.312500	48.7	V	263.0	42.7	6.0	5.3	54

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

802.11a CH48

FCC RE 0.03-1GHz QP Class B

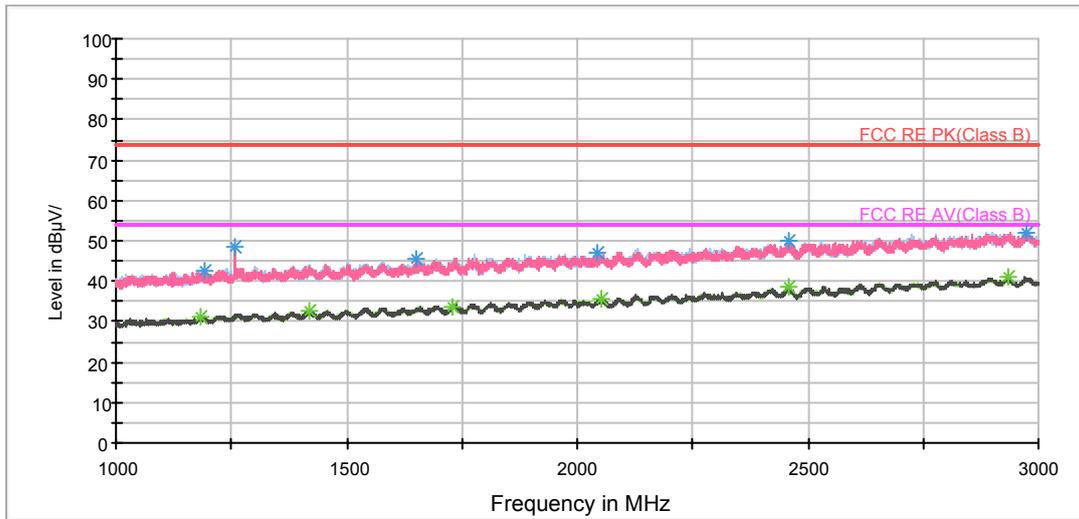


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
45.998750	10.3	100.0	V	349.0	-2.9	13.2	29.7	40.0
64.033750	12.3	100.0	V	327.0	1.2	11.1	27.7	40.0
98.986250	10.0	125.0	H	152.0	-3.2	13.2	33.5	43.5
301.193750	12.5	100.0	H	86.0	-3.3	15.8	33.5	46.0
540.906250	18.4	114.0	H	26.0	-3.0	21.4	27.6	46.0
924.986250	25.5	125.0	V	104.0	-1.5	27.0	20.5	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

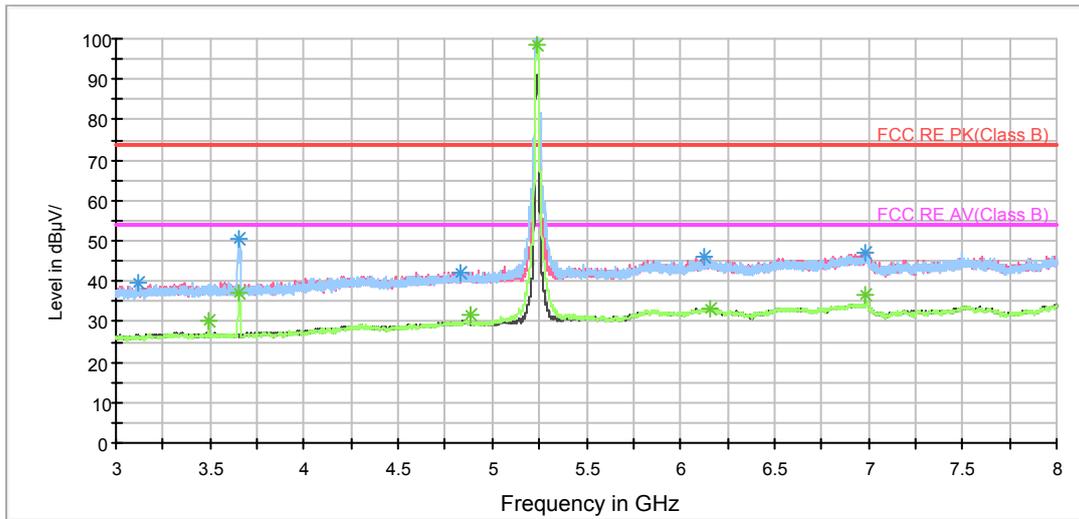
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1191.250000	42.4	105.0	V	103.0	47.6	-5.2	31.6	74
1257.750000	48.6	105.0	V	103.0	53.4	-4.8	25.4	74
1650.250000	45.7	205.0	V	0.0	47.8	-2.1	28.3	74
2044.500000	47.0	105.0	V	0.0	47.2	-0.2	27.0	74
2458.500000	50.1	205.0	V	0.0	47.6	2.5	23.9	74
2975.750000	52.0	105.0	H	249.0	46.8	5.2	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)
1184.000000	31.1	205.0	H	0.0	36.2	-5.1	22.9	54
1420.250000	32.7	105.0	H	0.0	36.6	-3.9	21.3	54
1730.750000	33.9	105.0	V	274.0	35.8	-1.9	20.1	54
2051.500000	35.6	205.0	V	217.0	35.8	-0.2	18.4	54
2459.250000	38.4	105.0	V	323.0	35.9	2.5	15.6	54
2936.500000	41.1	105.0	H	176.0	36.3	4.8	12.9	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

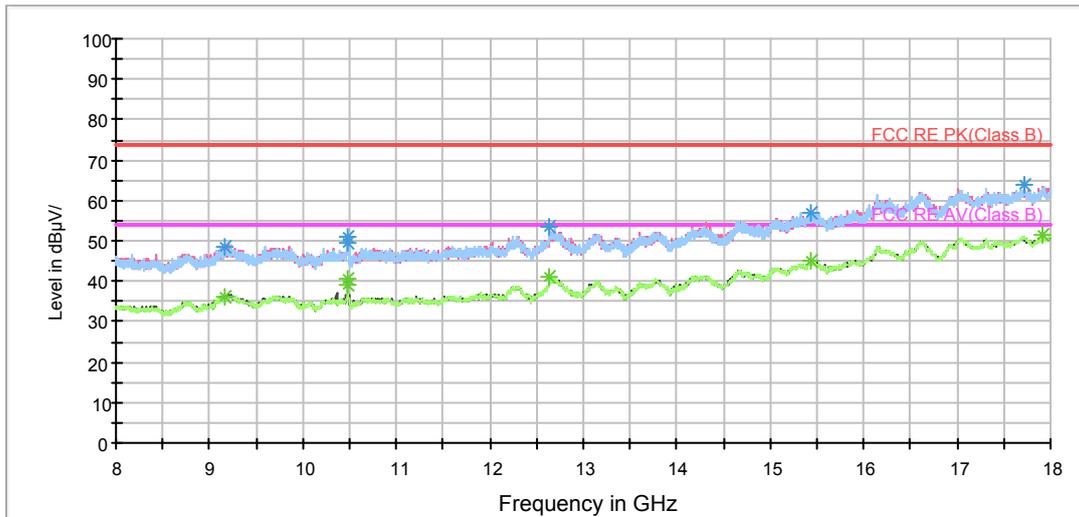
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3121.875000	39.6	205.0	V	0.0	42.2	-2.6	34.4	74
3653.125000	50.6	205.0	H	106.0	52.5	-1.9	23.4	74
4833.750000	42.3	105.0	H	6.0	40.8	1.5	31.7	74
6131.250000	46.1	205.0	V	108.0	40.7	5.4	27.9	74
6986.875000	47.2	105.0	H	47.0	40.8	6.4	26.8	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)
3493.125000	30.1	105.0	H	109.0	32.2	-2.1	23.9	54
3656.250000	37.4	205.0	H	106.0	39.3	-1.9	16.6	54
4888.125000	31.6	105.0	H	0.0	29.7	1.9	22.4	54
6160.000000	33.3	205.0	V	0.0	27.6	5.7	20.7	54
6986.875000	36.4	205.0	H	83.0	30.0	6.4	17.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

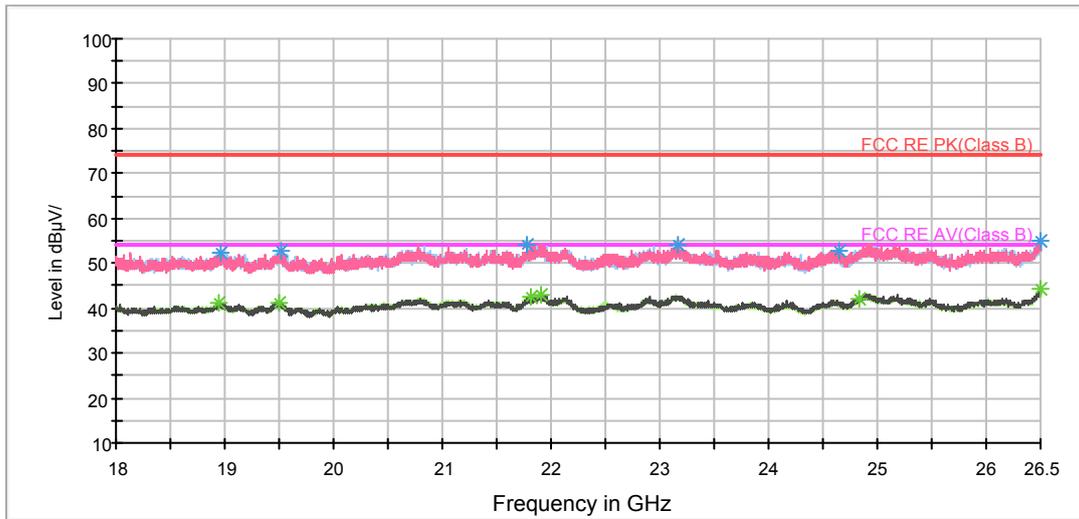
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9153.750000	48.5	103.0	H	0.0	38.3	10.2	25.5	74
10480.000000	51.2	103.0	V	338.0	41.1	10.1	22.8	74
10485.000000	49.6	103.0	V	338.0	39.5	10.1	24.4	74
12633.750000	53.5	202.0	H	318.0	39.6	13.9	20.5	74
15430.000000	57.2	103.0	V	182.0	37.7	19.5	16.8	74
17715.000000	63.6	202.0	H	0.0	39.0	24.6	10.4	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)
9157.500000	36.0	202.0	H	318.0	25.7	10.3	18.0	54
10480.000000	40.8	103.0	V	338.0	30.7	10.1	13.2	54
10483.750000	39.3	103.0	V	338.0	29.2	10.1	14.7	54
12642.500000	40.9	202.0	H	318.0	26.4	14.5	13.1	54
15427.500000	44.9	103.0	V	0.0	25.4	19.5	9.1	54
17918.750000	51.5	103.0	V	159.0	25.8	25.7	2.5	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

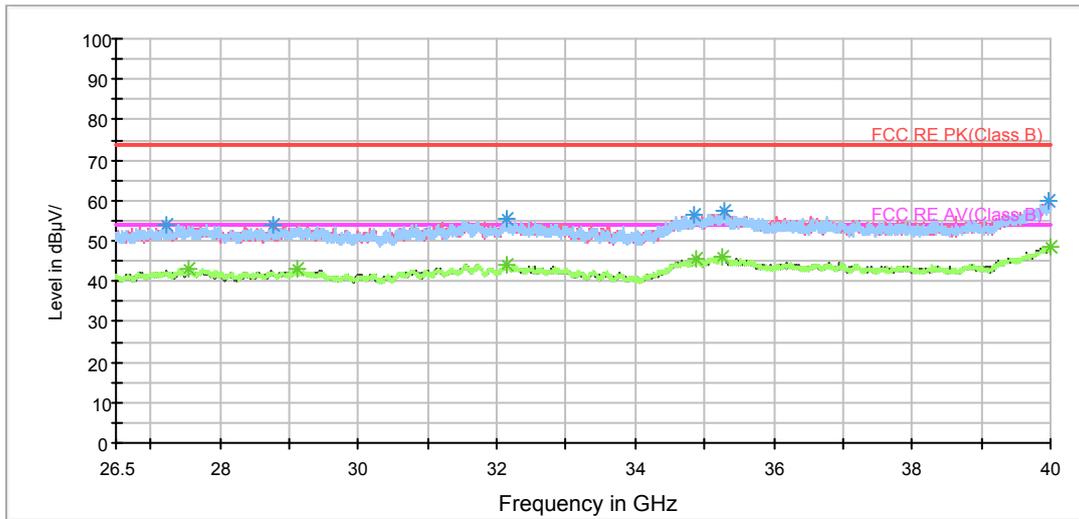
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18964.750000	52.2	H	323.0	52.3	-0.1	21.8	74
19518.312500	52.9	H	0.0	52.9	0.0	21.1	74
21780.375000	54.1	H	356.0	56.3	-2.2	19.9	74
23169.062500	54.3	V	50.0	54.4	-0.1	19.7	74
24641.687500	52.8	H	338.0	53.0	-0.2	21.2	74
26497.875000	54.8	H	219.0	53.7	1.1	19.2	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18942.437500	41.1	V	0.0	41.1	0.0	12.9	54
19504.500000	41.4	H	152.0	41.3	0.1	12.6	54
21814.375000	42.6	V	50.0	44.6	-2.0	11.4	54
21902.562500	42.9	H	186.0	44.5	-1.6	11.1	54
24835.062500	42.2	H	297.0	41.9	0.3	11.8	54
26500.000000	44.1	V	16.0	43.0	1.1	9.9	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27213.812500	53.9	V	270.0	53.8	0.1	20.1	74
28771.375000	53.8	V	270.0	54.2	-0.4	20.2	74
32144.687500	55.3	H	103.0	55.6	-0.3	18.7	74
34863.250000	56.5	H	111.0	54.8	1.7	17.5	74
35288.500000	57.4	H	90.0	55.5	1.9	16.6	74
39974.687500	59.9	H	90.0	54.1	5.8	14.1	74

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

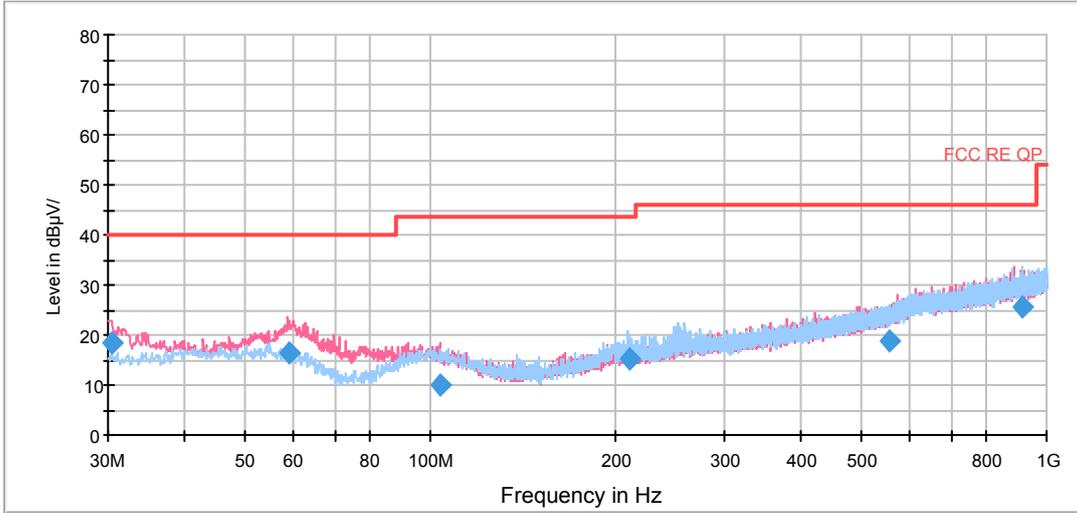
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27544.562500	43.2	V	237.0	42.8	0.4	10.8	54
29115.625000	42.9	V	229.0	43.1	-0.2	11.1	54
32148.062500	44.2	H	202.0	44.5	-0.3	9.8	54
34870.000000	45.3	H	90.0	43.6	1.7	8.7	54
35253.062500	46.2	V	128.0	44.2	2.0	7.8	54
39994.937500	48.5	V	270.0	42.6	5.9	5.5	54

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

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802.11n (HT20) CH36

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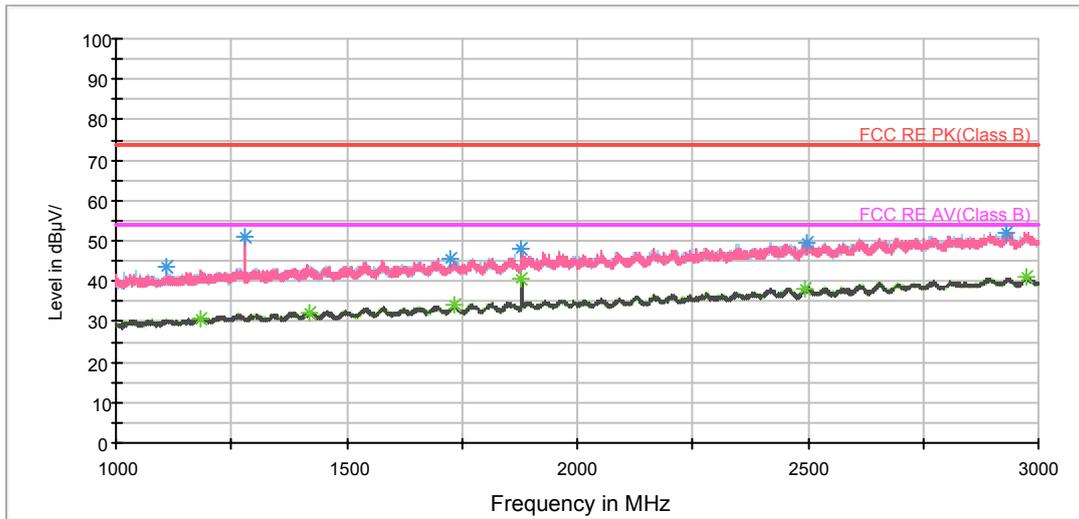


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.400000	18.4	100.0	V	249.0	6.3	12.1	21.6	40.0
58.936250	16.4	125.0	V	204.0	3.7	12.7	23.6	40.0
103.522500	10.0	125.0	V	258.0	-2.9	12.9	33.5	43.5
209.932500	15.3	125.0	H	50.0	2.7	12.6	28.2	43.5
554.967500	18.9	100.0	H	164.0	-2.9	21.8	27.1	46.0
911.405000	25.5	125.0	H	17.0	-1.5	27.0	20.5	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

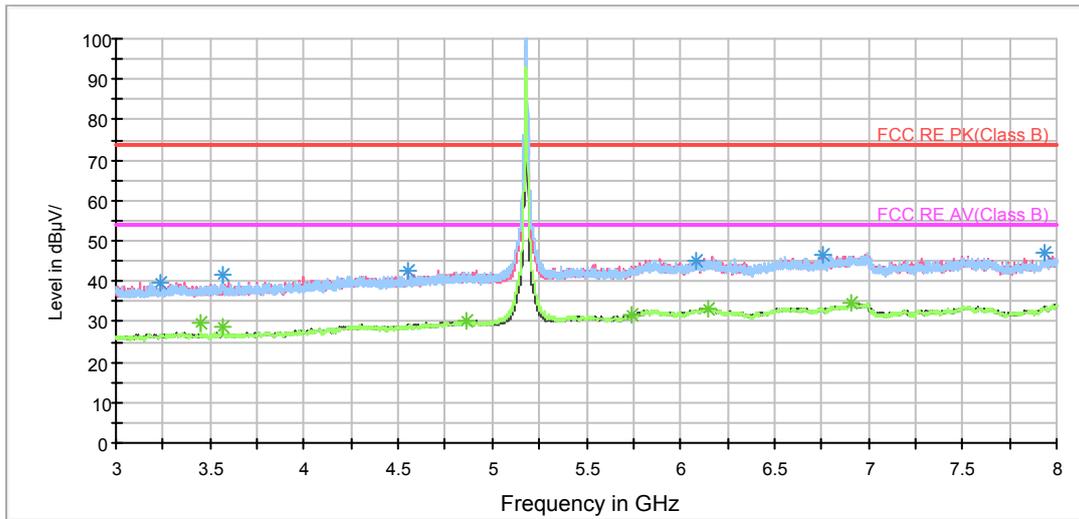
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1108.750000	43.8	205.0	H	119.0	49.5	-5.7	30.2	74
1279.750000	50.8	205.0	V	191.0	55.4	-4.6	23.2	74
1725.250000	45.4	205.0	H	104.0	47.4	-2.0	28.6	74
1879.500000	48.2	105.0	V	12.0	49.3	-1.1	25.8	74
2497.250000	49.5	205.0	H	97.0	46.5	3.0	24.5	74
2932.250000	52.1	205.0	H	62.0	47.3	4.8	21.9	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)
1184.750000	30.9	205.0	V	206.0	36.0	-5.1	23.1	54
1418.250000	32.4	105.0	H	229.0	36.3	-3.9	21.6	54
1731.750000	34.0	105.0	H	176.0	35.8	-1.8	20.0	54
1879.500000	40.5	105.0	V	12.0	41.6	-1.1	13.5	54
2493.750000	38.2	105.0	H	123.0	35.0	3.2	15.8	54
2972.250000	41.0	205.0	H	276.0	35.8	5.2	13.0	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

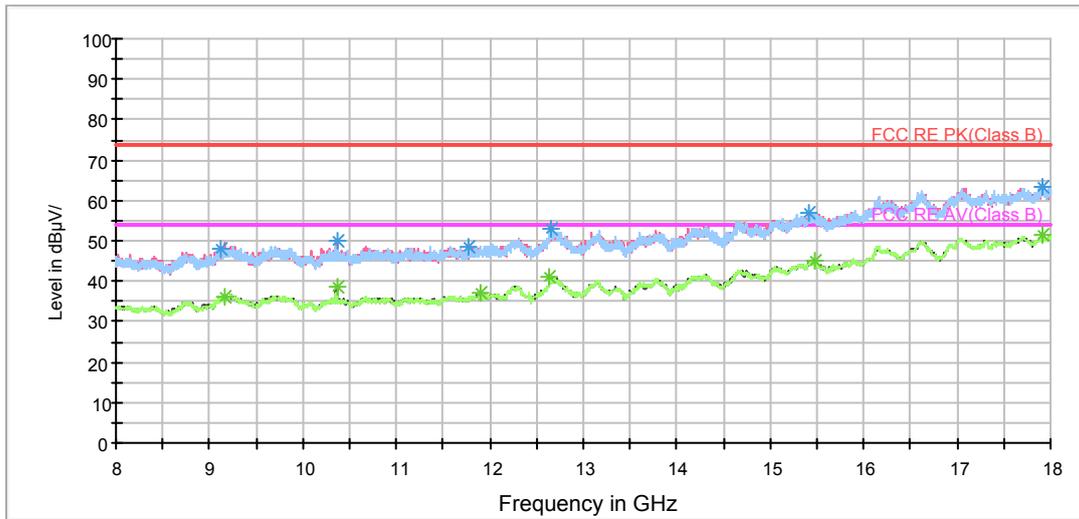
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3237.500000	39.5	205.0	V	233.0	42.1	-2.6	34.5	74
3565.000000	41.4	106.0	H	66.0	43.5	-2.1	32.6	74
4548.125000	42.4	205.0	V	66.0	41.6	0.8	31.6	74
6087.500000	45.2	205.0	H	209.0	40.0	5.2	28.8	74
6758.125000	46.3	105.0	V	63.0	40.8	5.5	27.7	74
7936.875000	47.0	205.0	V	212.0	39.7	7.3	27.0	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)
3453.125000	29.5	106.0	H	0.0	31.7	-2.2	24.5	54
3565.625000	28.9	106.0	H	107.0	31.0	-2.1	25.1	54
4866.875000	30.0	106.0	H	296.0	28.3	1.7	24.0	54
5735.625000	31.5	205.0	V	190.0	28.0	3.5	22.5	54
6152.500000	33.4	105.0	V	273.0	27.8	5.6	20.6	54
6906.875000	34.7	106.0	H	107.0	28.4	6.3	19.3	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

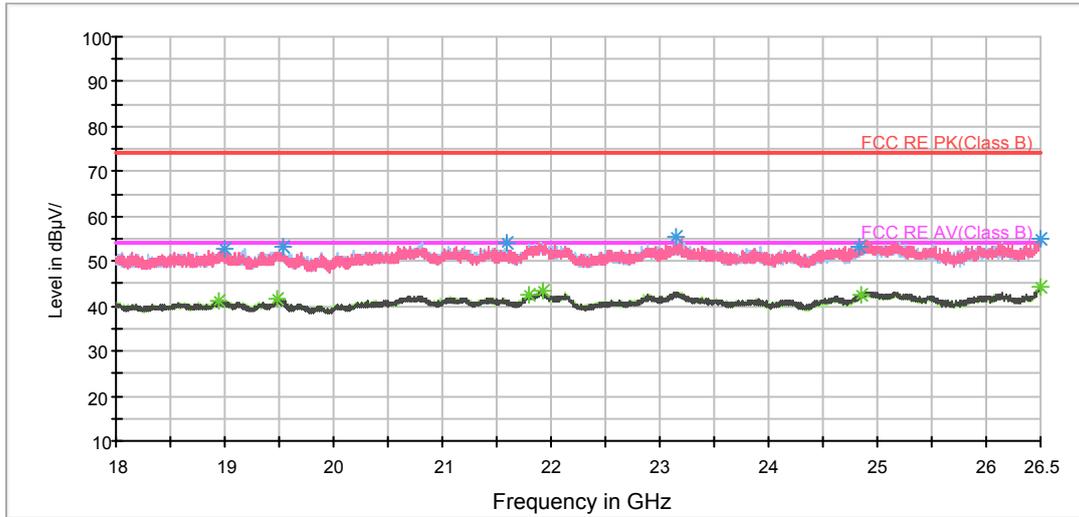
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9127.500000	47.9	202.0	V	129.0	37.9	10.0	26.1	74
10360.000000	50.0	102.0	V	166.0	40.2	9.8	24.0	74
11772.500000	48.6	102.0	H	0.0	37.3	11.3	25.4	74
12656.250000	52.8	102.0	V	211.0	38.9	13.9	21.2	74
15420.000000	57.0	102.0	V	0.0	37.6	19.4	17.0	74
17920.000000	63.3	202.0	V	0.0	37.5	25.8	10.7	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)
9156.250000	36.2	202.0	V	0.0	25.9	10.3	17.8	54
10360.000000	38.6	102.0	V	166.0	28.8	9.8	15.4	54
11896.250000	36.9	202.0	H	0.0	24.7	12.2	17.1	54
12642.500000	40.9	202.0	V	152.0	26.4	14.5	13.1	54
15470.000000	44.9	102.0	V	0.0	25.2	19.7	9.1	54
17908.750000	51.5	202.0	V	84.0	26.1	25.4	2.5	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18993.437500	52.7	H	295.0	52.9	-0.2	21.3	74
19534.250000	53.2	H	0.0	53.2	0.0	20.8	74
21584.875000	54.2	H	0.0	56.4	-2.2	19.8	74
23156.312500	55.6	H	141.0	55.7	-0.1	18.4	74
24826.562500	53.3	V	0.0	53.1	0.2	20.7	74
26500.000000	55.0	V	0.0	53.9	1.1	19.0	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18944.562500	41.2	H	336.0	41.2	0.0	12.8	54
19473.687500	41.6	H	245.0	41.5	0.1	12.4	54
21797.375000	42.7	V	225.0	44.8	-2.1	11.3	54
21927.000000	43.3	H	0.0	44.7	-1.4	10.7	54
24844.625000	42.5	V	0.0	42.2	0.3	11.5	54
26497.875000	44.4	H	0.0	43.3	1.1	9.6	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27819.625000	53.9	H	186.0	53.9	0.0	20.1	74
28913.125000	54.6	V	265.0	54.7	-0.1	19.4	74
31915.187500	55.1	V	238.0	55.3	-0.2	18.9	74
34748.500000	56.6	H	144.0	55.6	1.0	17.4	74
35221.000000	57.3	H	90.0	55.2	2.1	16.7	74
39983.125000	59.1	H	90.0	53.2	5.9	14.9	74

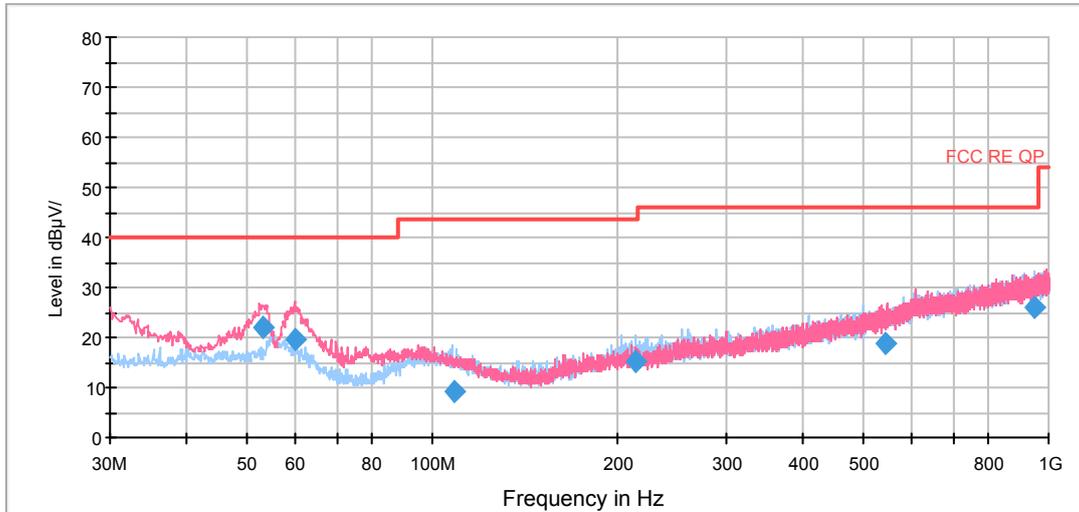
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27553.000000	42.9	H	90.0	42.5	0.4	11.1	54
29073.437500	42.5	H	90.0	42.6	-0.1	11.5	54
31744.750000	44.2	H	90.0	44.5	-0.3	9.8	54
34864.937500	45.5	V	270.0	43.8	1.7	8.5	54
35244.625000	46.0	H	223.0	44.0	2.0	8.0	54
39984.812500	48.7	H	101.0	42.8	5.9	5.3	54

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

802.11n (HT20) CH40

FCC RE 0.03-1GHz QP Class B

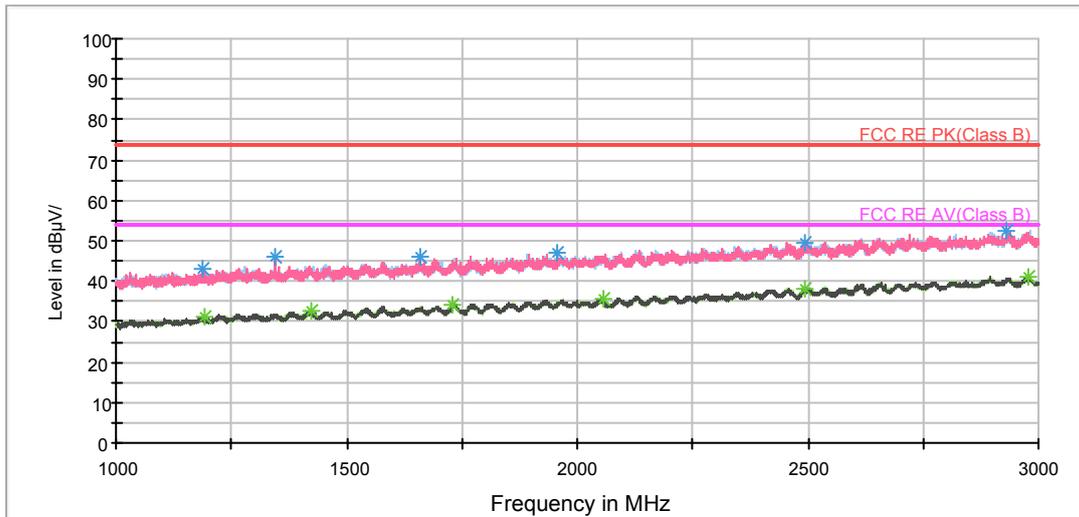


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.991250	21.8	100.0	V	174.0	8.8	13.0	18.2	40.0
59.827500	19.6	113.0	V	302.0	7.0	12.6	20.4	40.0
108.281250	9.1	125.0	H	231.0	-3.4	12.5	34.4	43.5
214.338750	15.1	100.0	H	307.0	2.4	12.7	28.4	43.5
545.557500	18.7	125.0	V	126.0	-2.9	21.6	27.3	46.0
947.260000	25.9	100.0	H	277.0	-1.3	27.2	20.1	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

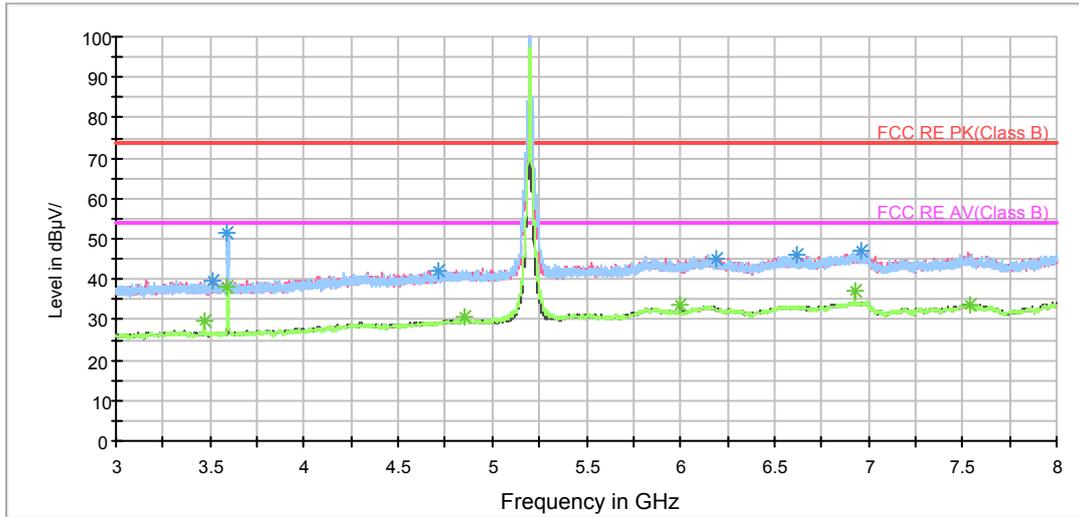
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1188.500000	42.9	105.0	V	247.0	48.1	-5.2	31.1	74
1343.750000	45.9	205.0	V	227.0	50.4	-4.5	28.1	74
1657.250000	45.8	205.0	V	168.0	48.0	-2.2	28.2	74
1958.500000	47.2	105.0	H	0.0	47.4	-0.2	26.8	74
2495.250000	49.7	105.0	H	335.0	46.6	3.1	24.3	74
2930.250000	52.6	205.0	H	284.0	47.8	4.8	21.4	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)
1190.750000	31.0	205.0	V	219.0	36.2	-5.2	23.0	54
1421.500000	32.6	205.0	H	107.0	36.5	-3.9	21.4	54
1731.000000	33.9	205.0	V	98.0	35.8	-1.9	20.1	54
2057.500000	35.6	105.0	V	5.0	35.8	-0.2	18.4	54
2495.000000	38.3	105.0	V	49.0	35.2	3.1	15.7	54
2977.500000	40.9	105.0	H	225.0	35.7	5.2	13.1	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

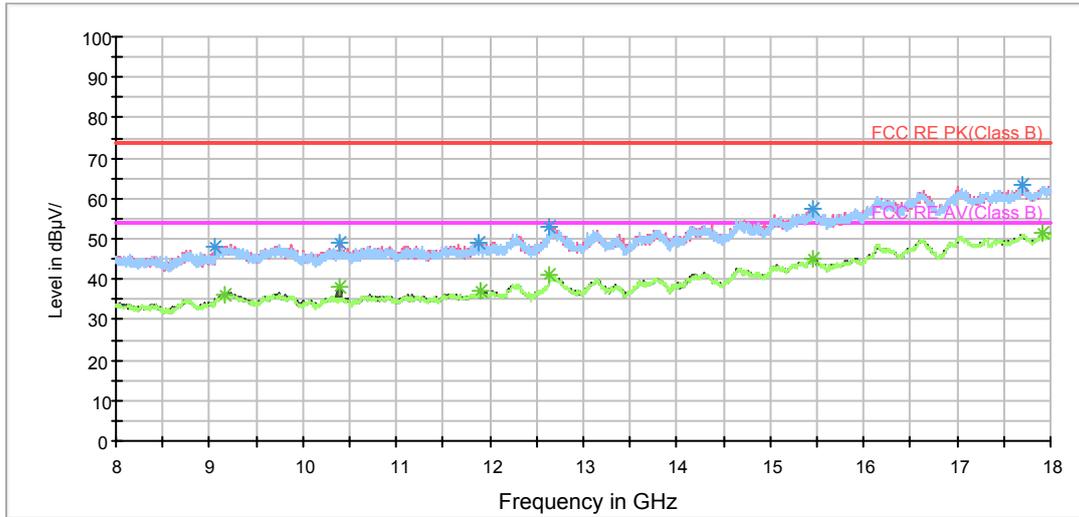
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3513.125000	39.6	105.0	V	251.0	41.6	-2.0	34.4	74
3592.500000	51.7	205.0	H	109.0	54.0	-2.3	22.3	74
4715.000000	42.2	205.0	H	297.0	41.4	0.8	31.8	74
6186.875000	44.9	105.0	H	0.0	39.5	5.4	29.1	74
6616.875000	46.0	205.0	V	65.0	40.5	5.5	28.0	74
6964.375000	46.8	205.0	H	359.0	40.6	6.2	27.2	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)
3466.250000	29.7	205.0	H	21.0	31.8	-2.1	24.3	54
3593.750000	38.1	205.0	H	109.0	40.4	-2.3	15.9	54
4848.125000	30.6	205.0	H	297.0	29.0	1.6	23.4	54
6000.000000	33.5	105.0	V	0.0	28.6	4.9	20.5	54
6933.750000	37.2	205.0	H	109.0	31.0	6.2	16.8	54
7538.125000	33.5	105.0	V	333.0	26.5	7.0	20.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

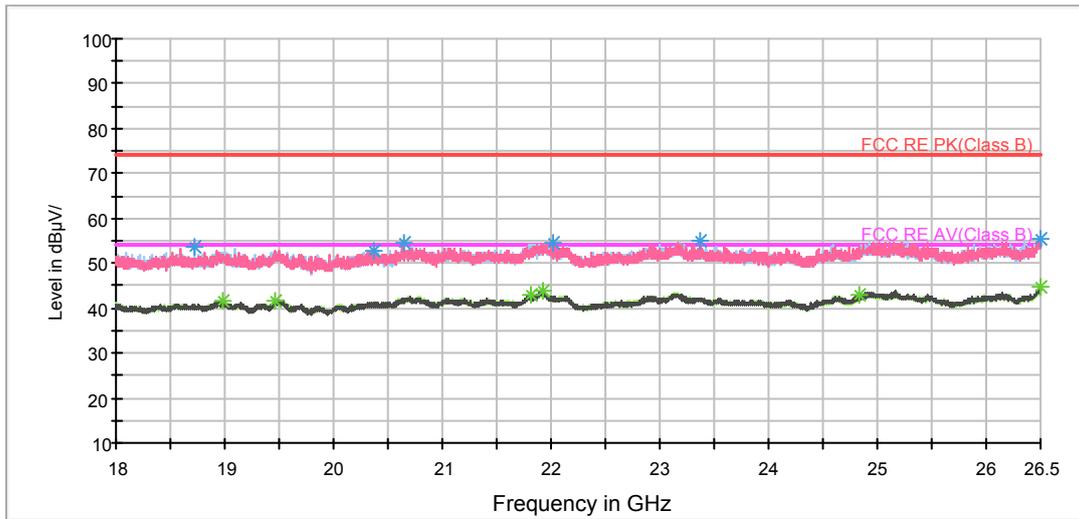
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9061.250000	48.1	202.0	H	182.0	38.9	9.2	25.9	74
10398.750000	48.9	102.0	V	339.0	39.5	9.4	25.1	74
11887.500000	48.9	202.0	H	67.0	37.1	11.8	25.1	74
12638.750000	53.2	202.0	H	136.0	38.8	14.4	20.8	74
15467.500000	57.3	102.0	V	0.0	37.6	19.7	16.7	74
17695.000000	63.1	102.0	V	205.0	38.5	24.6	10.9	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)
9153.750000	36.1	102.0	V	228.0	25.9	10.2	17.9	54
10400.000000	38.1	102.0	V	339.0	28.7	9.4	15.9	54
11901.250000	36.9	102.0	V	272.0	24.6	12.3	17.1	54
12642.500000	40.9	102.0	V	272.0	26.4	14.5	13.1	54
15467.500000	45.0	202.0	V	110.0	25.3	19.7	9.0	54
17918.750000	51.4	102.0	V	0.0	25.7	25.7	2.6	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18724.625000	53.5	H	0.0	53.5	0.0	20.5	74
20368.312500	52.9	H	358.0	53.9	-1.0	21.1	74
20641.375000	54.6	H	333.0	55.8	-1.2	19.4	74
22026.875000	54.7	V	195.0	56.1	-1.4	19.3	74
23365.625000	55.1	V	79.0	55.2	-0.1	18.9	74
26491.500000	55.2	H	299.0	54.1	1.1	18.8	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18981.750000	41.8	V	0.0	41.9	-0.1	12.2	54
19464.125000	41.7	V	112.0	41.6	0.1	12.3	54
21811.187500	42.8	H	307.0	44.8	-2.0	11.2	54
21928.062500	43.7	H	290.0	45.1	-1.4	10.3	54
24840.375000	42.9	H	172.0	42.6	0.3	11.1	54
26491.500000	44.7	V	20.0	43.6	1.1	9.3	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27099.062500	54.2	V	270.0	54.3	-0.1	19.8	74
28727.500000	54.1	H	165.0	54.6	-0.5	19.9	74
31592.875000	54.9	H	193.0	55.3	-0.4	19.1	74
34868.312500	56.0	V	267.0	54.3	1.7	18.0	74
35285.125000	57.0	V	242.0	55.1	1.9	17.0	74
39919.000000	59.1	H	184.0	53.6	5.5	14.9	74

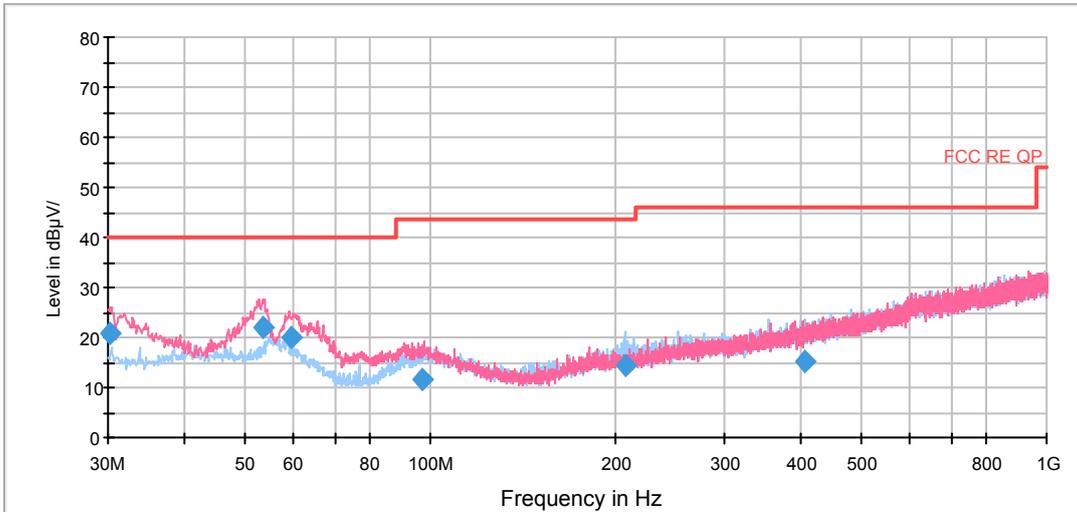
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27397.750000	42.6	V	158.0	42.2	0.4	11.4	54
29132.500000	43.0	H	130.0	43.2	-0.2	11.0	54
32109.250000	43.8	V	194.0	44.1	-0.3	10.2	54
34864.937500	44.9	V	270.0	43.2	1.7	9.1	54
35291.875000	46.1	V	215.0	44.2	1.9	7.9	54
39976.375000	48.2	V	233.0	42.4	5.8	5.8	54

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

802.11n (HT20) CH48

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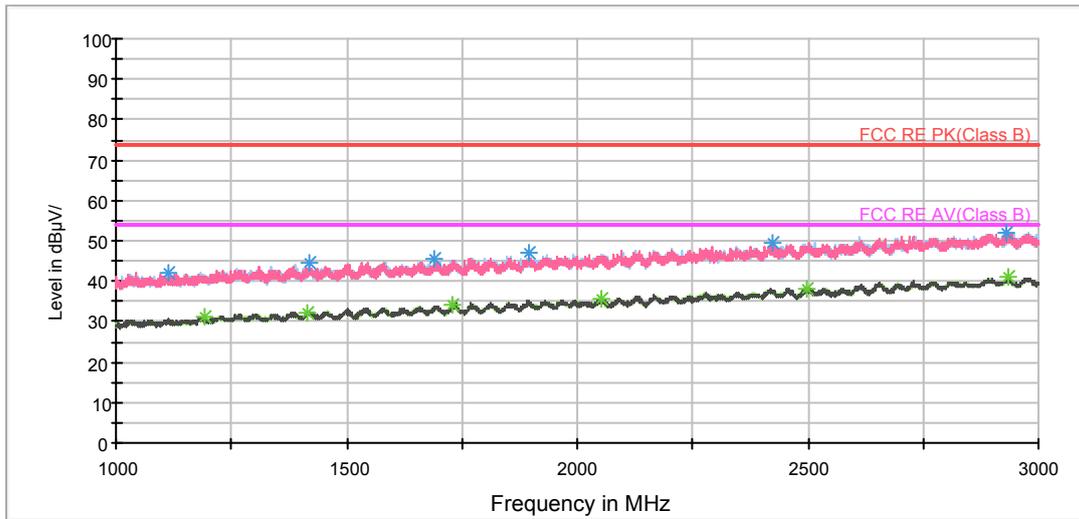


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.280000	20.7	100.0	V	103.0	8.6	12.1	19.3	40.0
53.601250	22.1	100.0	V	172.0	9.3	12.8	17.9	40.0
59.538750	20.0	114.0	V	171.0	7.4	12.6	20.0	40.0
97.216250	11.7	125.0	V	59.0	-1.2	12.9	31.8	43.5
207.022500	14.3	114.0	H	316.0	2.0	12.3	29.2	43.5
406.563750	15.3	115.0	H	22.0	-3.3	18.6	30.7	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

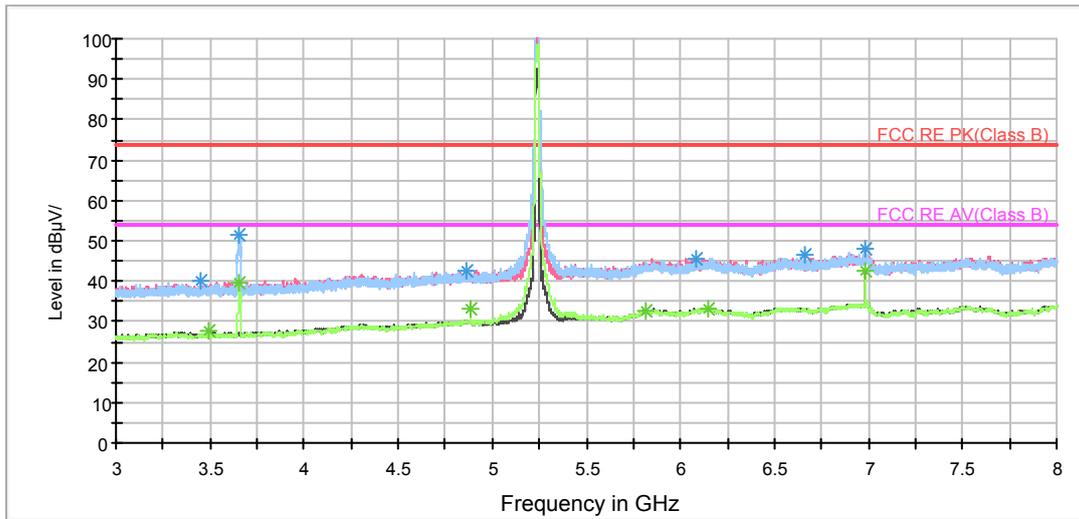
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1115.000000	42.3	205.0	H	63.0	47.9	-5.6	31.7	74
1418.000000	44.6	105.0	H	318.0	48.5	-3.9	29.4	74
1689.750000	45.4	105.0	H	290.0	47.4	-2.0	28.6	74
1896.500000	46.8	205.0	H	99.0	47.7	-0.9	27.2	74
2423.500000	49.3	205.0	V	347.0	46.8	2.5	24.7	74
2929.500000	52.1	105.0	H	171.0	47.4	4.7	21.9	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)
1192.000000	31.0	105.0	V	335.0	36.2	-5.2	23.0	54
1416.500000	32.3	205.0	V	144.0	36.3	-4.0	21.7	54
1731.000000	34.0	205.0	H	84.0	35.9	-1.9	20.0	54
2053.500000	35.9	205.0	V	202.0	36.1	-0.2	18.1	54
2497.250000	38.1	205.0	H	196.0	35.1	3.0	15.9	54
2935.250000	40.9	205.0	V	267.0	36.1	4.8	13.1	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

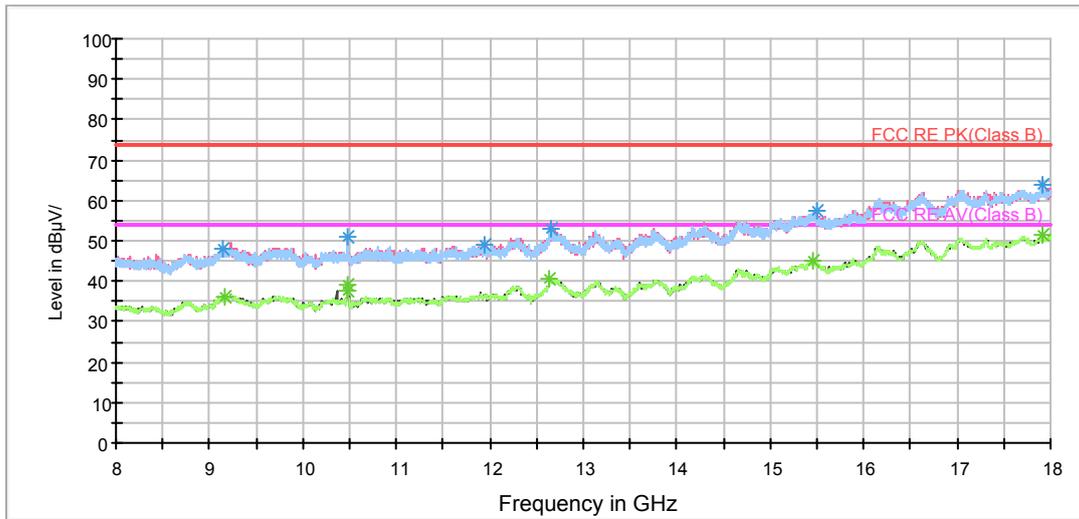
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3451.250000	39.9	205.0	H	0.0	42.1	-2.2	34.1	74
3654.375000	51.6	105.0	H	128.0	53.5	-1.9	22.4	74
4858.750000	42.4	205.0	V	0.0	40.7	1.7	31.6	74
6087.500000	45.6	105.0	V	232.0	40.4	5.2	28.4	74
6658.125000	46.6	105.0	H	254.0	41.1	5.5	27.4	74
6986.875000	48.1	105.0	V	127.0	41.7	6.4	25.9	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)
3493.125000	27.7	105.0	H	66.0	29.8	-2.1	26.3	54
3655.625000	39.5	105.0	H	128.0	41.4	-1.9	14.5	54
4888.125000	33.0	105.0	H	107.0	31.1	1.9	21.0	54
5814.375000	32.7	105.0	V	274.0	28.3	4.4	21.3	54
6146.875000	33.4	105.0	V	295.0	27.9	5.5	20.6	54
6986.875000	42.5	105.0	V	127.0	36.1	6.4	11.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

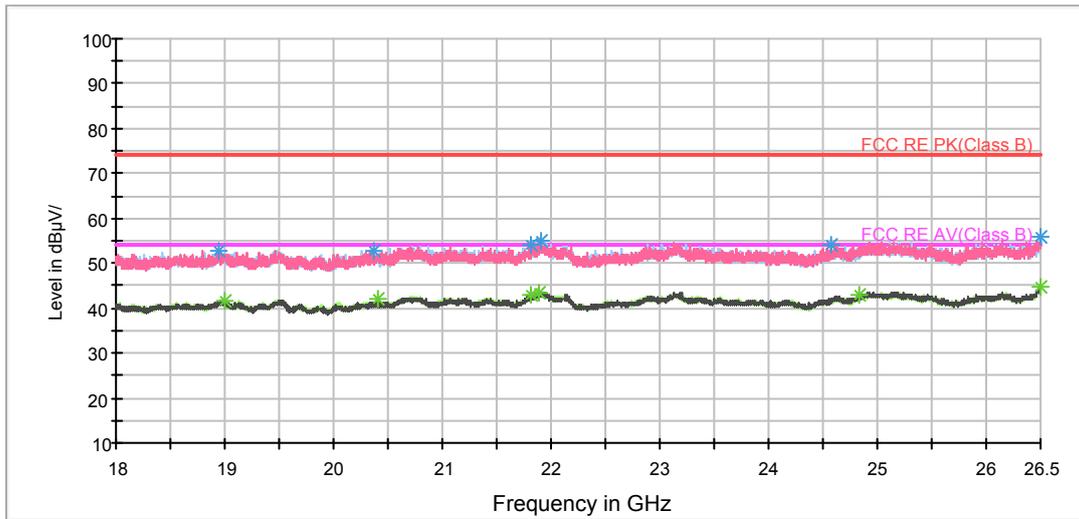
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9152.500000	47.9	101.0	V	159.0	37.7	10.2	26.1	74
10480.000000	50.8	202.0	H	208.0	40.7	10.1	23.2	74
11948.750000	49.1	202.0	H	0.0	37.3	11.8	24.9	74
12657.500000	52.8	102.0	H	133.0	38.9	13.9	21.2	74
15491.250000	57.3	202.0	V	61.0	37.7	19.6	16.7	74
17921.250000	63.9	102.0	H	21.0	38.2	25.7	10.1	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)
9155.000000	36.0	102.0	H	65.0	25.7	10.3	18.0	54
10480.000000	39.3	202.0	V	61.0	29.2	10.1	14.7	54
10483.750000	37.7	101.0	V	159.0	27.6	10.1	16.3	54
12640.000000	40.8	101.0	V	248.0	26.2	14.6	13.2	54
15447.500000	45.0	202.0	V	0.0	25.5	19.5	9.0	54
17920.000000	51.4	102.0	H	43.0	25.6	25.8	2.6	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

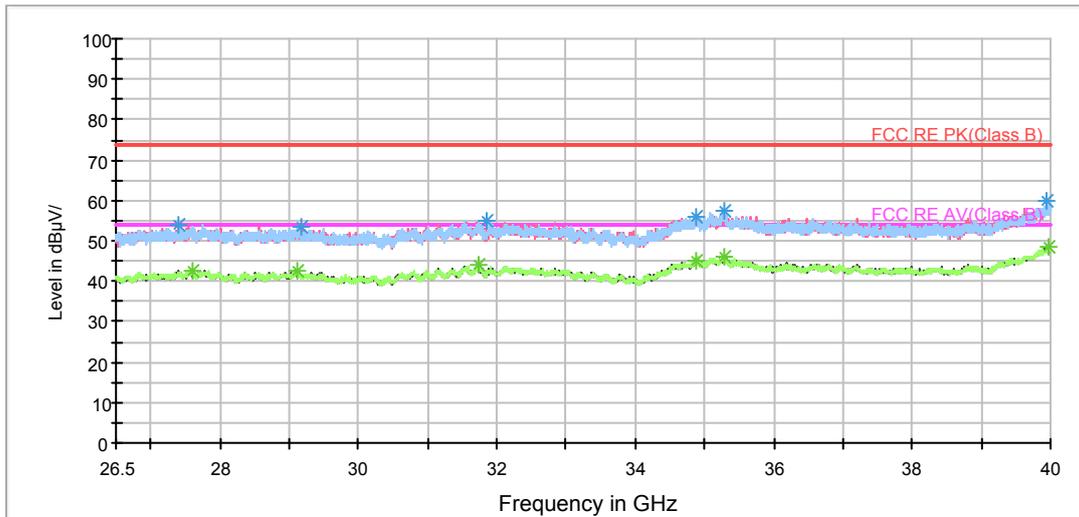
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18948.812500	52.9	V	148.0	52.9	0.0	21.1	74
20376.812500	52.7	H	0.0	53.7	-1.0	21.3	74
21818.625000	54.2	H	194.0	56.2	-2.0	19.8	74
21907.875000	55.1	V	56.0	56.6	-1.5	18.9	74
24573.687500	54.2	V	258.0	54.4	-0.2	19.8	74
26495.750000	55.8	H	295.0	54.7	1.1	18.2	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19004.062500	41.6	V	64.0	41.8	-0.2	12.4	54
20416.125000	41.9	H	354.0	42.8	-0.9	12.1	54
21812.250000	42.9	H	220.0	44.9	-2.0	11.1	54
21888.750000	43.6	H	345.0	45.2	-1.6	10.4	54
24836.125000	42.8	V	6.0	42.5	0.3	11.2	54
26496.812500	44.5	V	114.0	43.4	1.1	9.5	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27416.312500	54.1	V	236.0	53.7	0.4	19.9	74
29178.062500	53.4	V	270.0	53.7	-0.3	20.6	74
31864.562500	55.2	V	236.0	55.4	-0.2	18.8	74
34870.000000	55.9	H	90.0	54.2	1.7	18.1	74
35276.687500	57.2	H	90.0	55.2	2.0	16.8	74
39930.812500	59.7	V	201.0	54.1	5.6	14.3	74

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

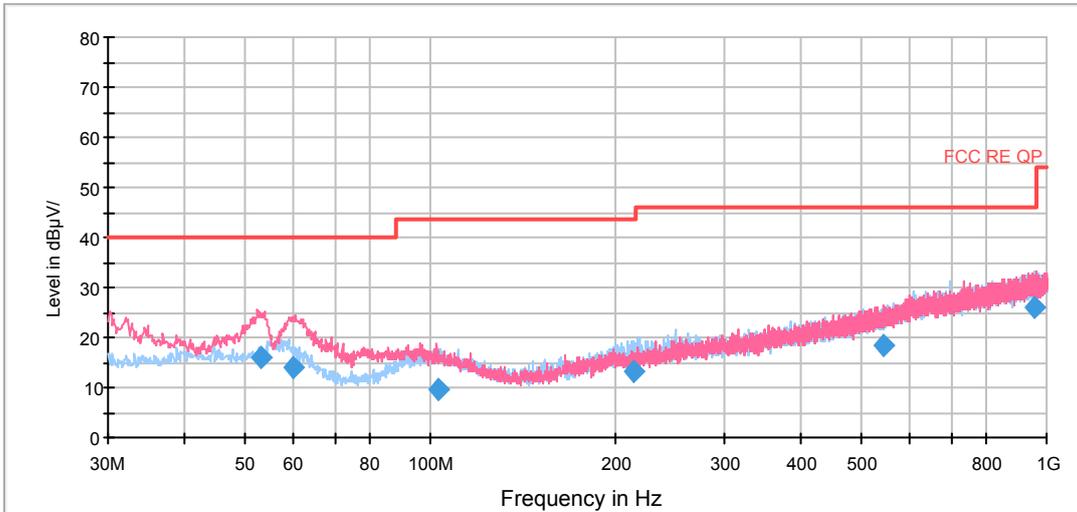
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27596.875000	42.5	H	90.0	42.1	0.4	11.5	54
29108.875000	42.5	H	97.0	42.7	-0.2	11.5	54
31729.562500	44.1	H	214.0	44.4	-0.3	9.9	54
34866.625000	45.1	V	201.0	43.4	1.7	8.9	54
35280.062500	45.9	H	141.0	43.9	2.0	8.1	54
39983.125000	48.4	H	97.0	42.5	5.9	5.6	54

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



802.11n (HT40) CH38

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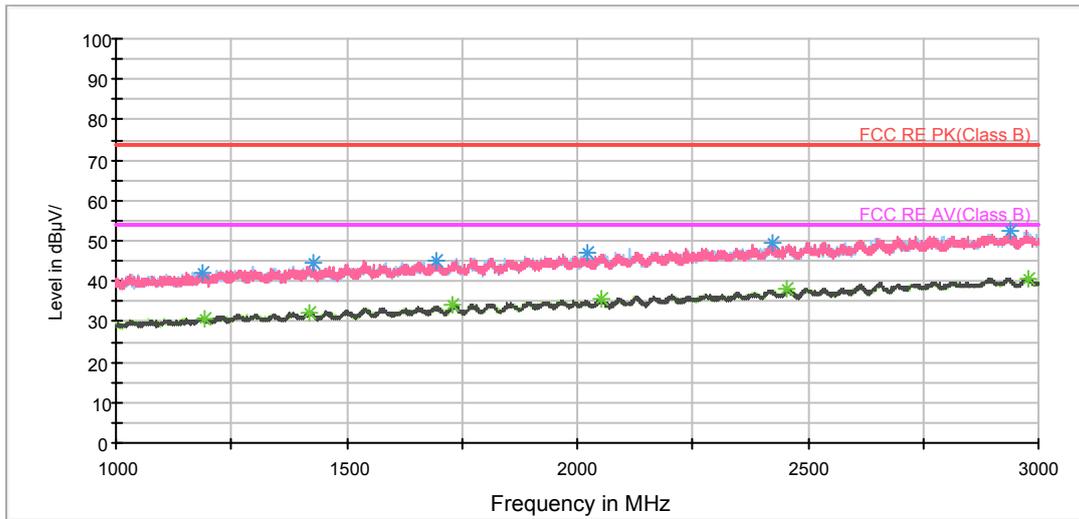


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.991250	15.9	100.0	V	149.0	2.9	13.0	24.1	40.0
59.913750	14.2	100.0	V	0.0	1.6	12.6	25.8	40.0
102.708750	9.8	125.0	V	202.0	-3.2	13.0	33.7	43.5
213.572500	13.2	114.0	H	316.0	0.5	12.7	30.3	43.5
541.957500	18.3	114.0	V	201.0	-3.1	21.4	27.7	46.0
952.997500	25.9	125.0	H	351.0	-1.4	27.3	20.1	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

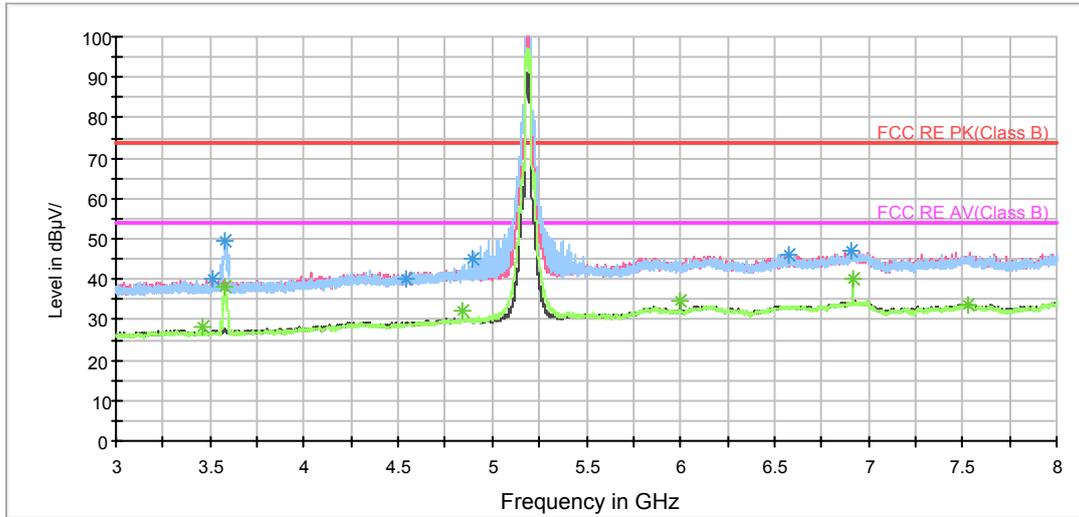
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1187.250000	42.3	105.0	H	36.0	47.4	-5.1	31.7	74
1426.250000	44.8	205.0	V	262.0	48.7	-3.9	29.2	74
1695.500000	45.0	205.0	V	0.0	47.0	-2.0	29.0	74
2023.250000	46.9	205.0	H	97.0	47.4	-0.5	27.1	74
2424.750000	49.6	105.0	V	14.0	47.1	2.5	24.4	74
2937.750000	52.4	105.0	V	144.0	47.5	4.9	21.6	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)
1190.750000	30.9	105.0	V	0.0	36.1	-5.2	23.1	54
1421.000000	32.4	105.0	V	174.0	36.3	-3.9	21.6	54
1731.250000	33.9	205.0	V	270.0	35.8	-1.9	20.1	54
2052.500000	35.6	205.0	H	141.0	35.8	-0.2	18.4	54
2456.000000	38.0	105.0	H	0.0	35.5	2.5	16.0	54
2976.000000	40.8	105.0	V	0.0	35.6	5.2	13.2	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

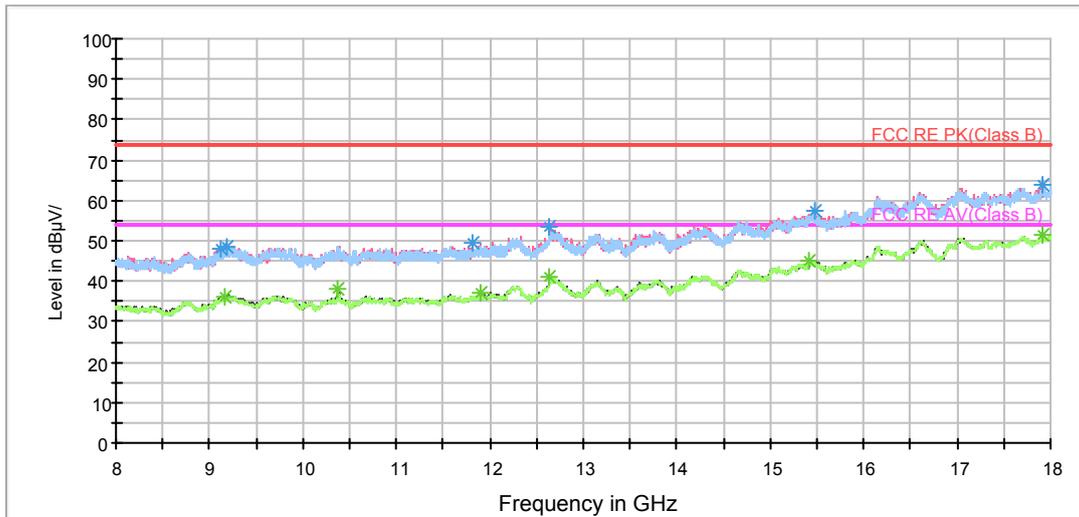
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3508.750000	40.1	105.0	V	273.0	42.1	-2.0	33.9	74
3582.500000	49.7	105.0	H	64.0	52.0	-2.3	24.3	74
4540.000000	40.0	105.0	H	0.0	39.3	0.7	34.0	74
4895.000000	44.9	105.0	H	106.0	43.0	1.9	29.1	74
6576.250000	46.3	105.0	V	0.0	40.7	5.6	27.7	74
6905.000000	47.2	105.0	H	0.0	40.9	6.3	26.8	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)
3460.000000	28.3	105.0	H	23.0	30.5	-2.2	25.7	54
3580.625000	37.9	105.0	H	85.0	40.2	-2.3	16.1	54
4838.125000	32.2	105.0	H	85.0	30.6	1.6	21.8	54
6000.000000	34.4	205.0	V	275.0	29.5	4.9	19.6	54
6920.000000	40.1	105.0	V	86.0	33.9	6.2	13.9	54
7531.250000	33.8	205.0	V	105.0	26.7	7.1	20.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

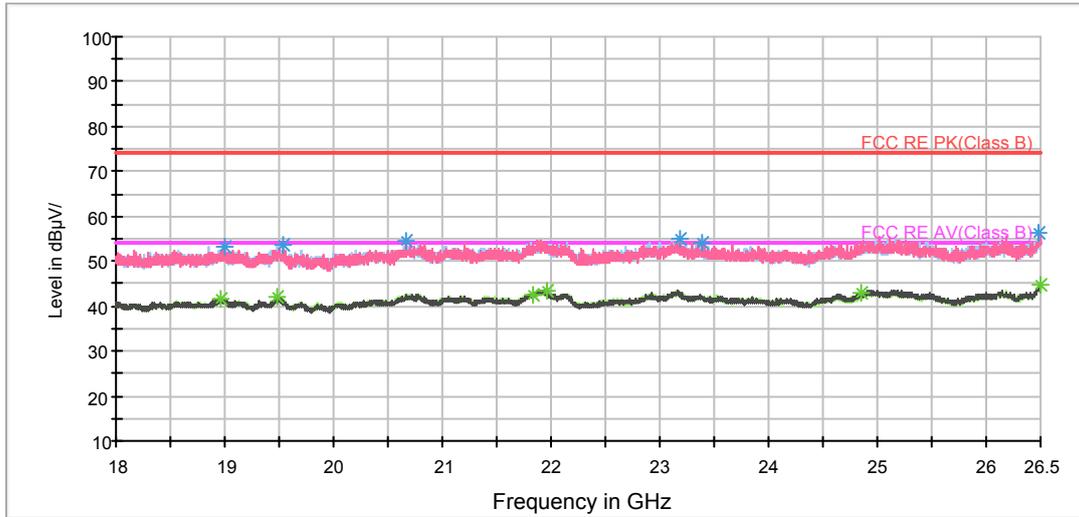
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9118.750000	47.9	202.0	V	154.0	37.9	10.0	26.1	74
9188.750000	48.7	102.0	H	65.0	38.7	10.0	25.3	74
11811.250000	49.3	102.0	V	67.0	37.6	11.7	24.7	74
12638.750000	53.2	102.0	H	0.0	38.8	14.4	20.8	74
15477.500000	57.3	102.0	V	182.0	37.4	19.9	16.7	74
17913.750000	64.0	102.0	V	204.0	38.4	25.6	10.0	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)
9157.500000	35.9	102.0	V	182.0	25.6	10.3	18.1	54
10380.000000	38.2	202.0	V	43.0	28.4	9.8	15.8	54
11900.000000	36.9	202.0	V	154.0	24.6	12.3	17.1	54
12640.000000	41.0	102.0	V	0.0	26.4	14.6	13.0	54
15421.250000	44.9	202.0	V	43.0	25.5	19.4	9.1	54
17918.750000	51.5	102.0	V	342.0	25.8	25.7	2.5	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

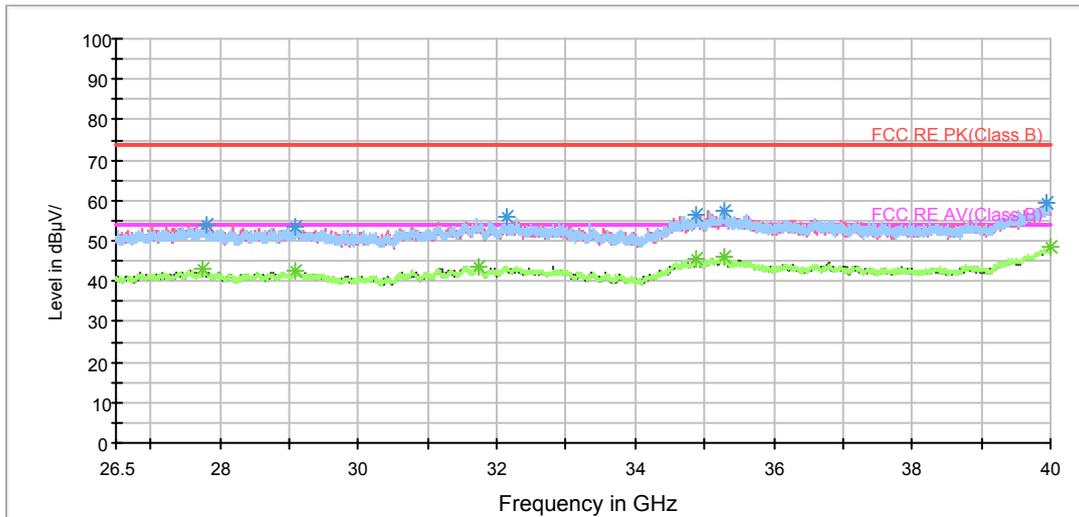
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18991.312500	53.3	V	183.0	53.4	-0.1	20.7	74
19542.750000	53.7	H	200.0	53.7	0.0	20.3	74
20667.937500	54.6	V	83.0	55.9	-1.3	19.4	74
23178.625000	55.1	H	161.0	55.2	-0.1	18.9	74
23387.937500	54.3	V	0.0	54.4	-0.1	19.7	74
26473.437500	56.2	V	74.0	55.1	1.1	17.8	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18956.250000	41.6	V	41.0	41.6	0.0	12.4	54
19480.062500	42.0	H	0.0	41.9	0.1	12.0	54
21828.187500	42.7	H	217.0	44.6	-1.9	11.3	54
21971.625000	43.6	H	233.0	44.9	-1.3	10.4	54
24844.625000	42.9	V	150.0	42.6	0.3	11.1	54
26497.875000	44.7	V	0.0	43.6	1.1	9.3	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27804.437500	53.9	V	163.0	53.9	0.0	20.1	74
29083.562500	53.3	H	90.0	53.4	-0.1	20.7	74
32154.812500	55.9	H	169.0	56.2	-0.3	18.1	74
34864.937500	56.3	H	144.0	54.6	1.7	17.7	74
35283.437500	57.4	H	152.0	55.5	1.9	16.6	74
39949.375000	59.3	H	215.0	53.6	5.7	14.7	74

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

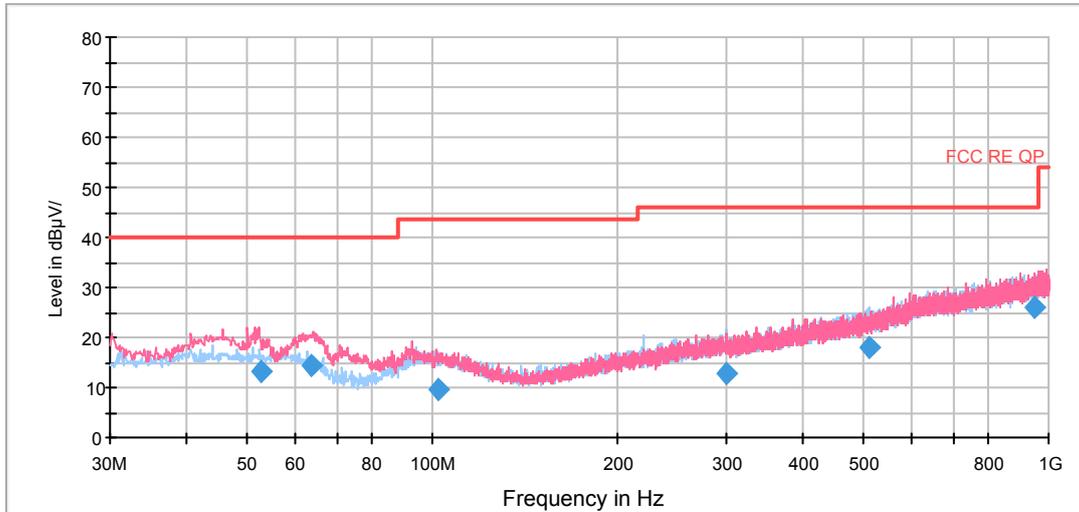
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27750.437500	43.0	V	216.0	42.9	0.1	11.0	54
29098.750000	42.4	V	216.0	42.6	-0.2	11.6	54
31724.500000	43.7	V	270.0	44.0	-0.3	10.3	54
34870.000000	45.4	H	90.0	43.7	1.7	8.6	54
35280.062500	45.8	H	101.0	43.8	2.0	8.2	54
39991.562500	48.6	H	206.0	42.7	5.9	5.4	54

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



802.11n (HT40) CH46

FCC RE 0.03-1GHz QP Class B

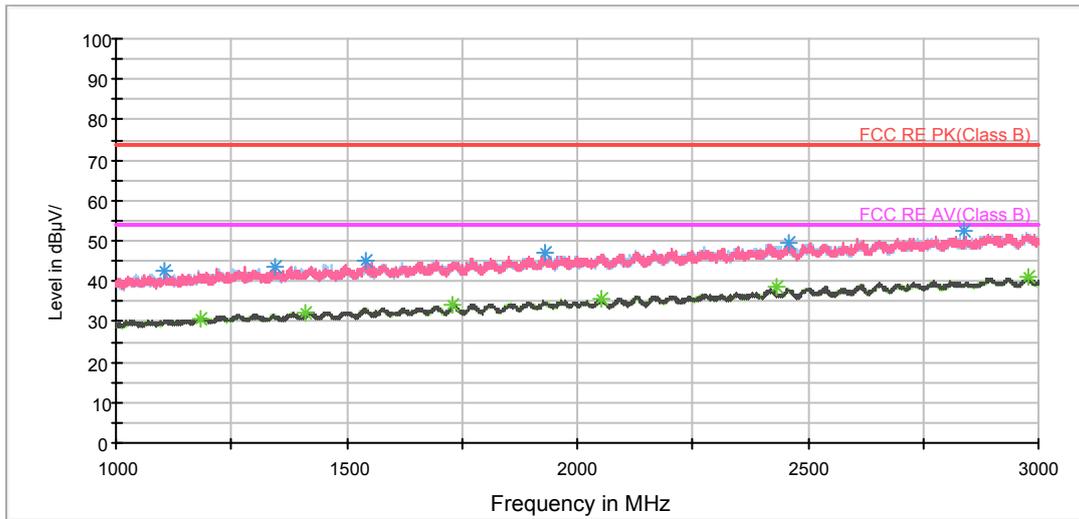


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.910000	13.2	100.0	V	162.0	0.2	13.0	26.8	40.0
63.550000	14.5	100.0	V	12.0	3.4	11.1	25.5	40.0
102.140000	9.5	125.0	V	29.0	-3.5	13.0	34.0	43.5
299.978750	12.8	100.0	H	167.0	-3.0	15.8	33.2	46.0
513.185000	17.8	100.0	H	57.0	-3.1	20.9	28.2	46.0
951.626250	25.8	100.0	V	115.0	-1.4	27.2	20.2	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

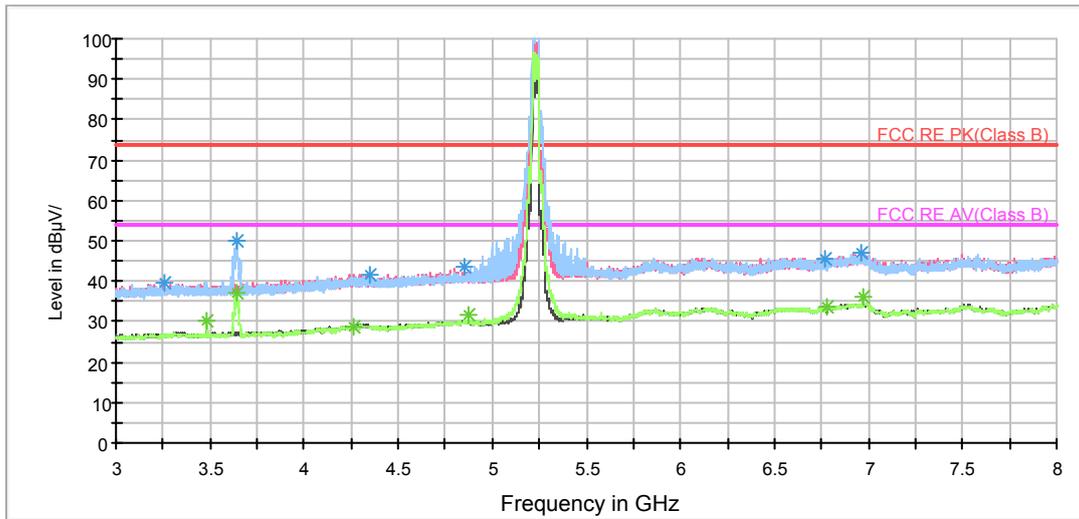
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1106.500000	42.5	205.0	H	126.0	48.3	-5.8	31.5	74
1343.750000	43.7	105.0	V	284.0	48.2	-4.5	30.3	74
1541.500000	45.1	205.0	V	0.0	48.4	-3.3	28.9	74
1929.500000	46.9	205.0	V	294.0	47.6	-0.7	27.1	74
2456.500000	49.6	205.0	H	118.0	47.1	2.5	24.4	74
2836.750000	52.4	205.0	V	223.0	47.9	4.5	21.6	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)
1184.500000	30.9	105.0	V	158.0	36.0	-5.1	23.1	54
1411.500000	32.4	205.0	H	49.0	36.5	-4.1	21.6	54
1730.250000	34.1	205.0	V	249.0	36.1	-2.0	19.9	54
2052.250000	35.7	105.0	V	54.0	35.9	-0.2	18.3	54
2433.000000	38.5	205.0	H	0.0	36.2	2.3	15.5	54
2976.250000	40.8	205.0	H	34.0	35.6	5.2	13.2	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

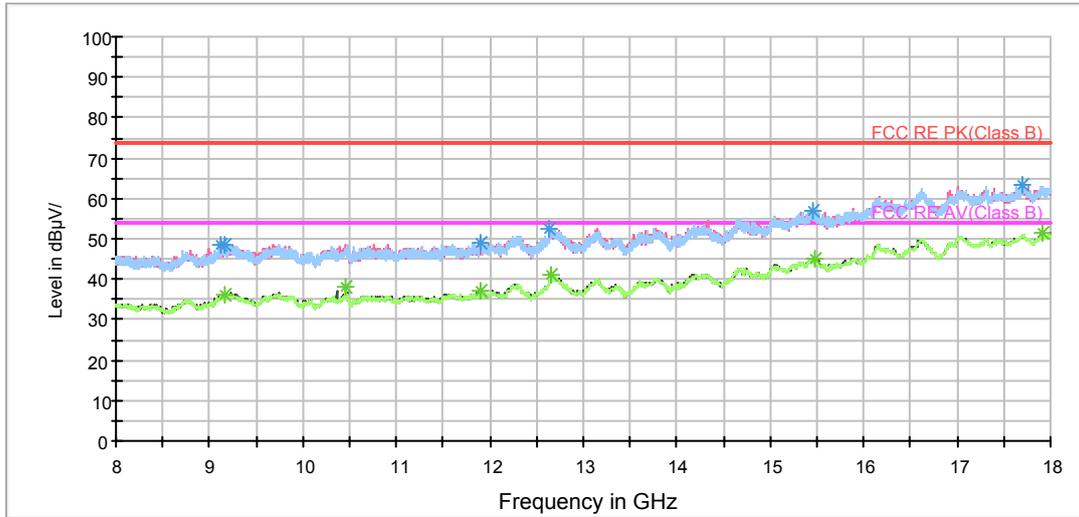
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3258.125000	39.7	205.0	V	23.0	42.2	-2.5	34.3	74
3638.750000	50.0	105.0	H	65.0	51.8	-1.8	24.0	74
4343.750000	41.7	105.0	H	128.0	41.2	0.5	32.3	74
4852.500000	43.4	105.0	H	65.0	41.8	1.6	30.6	74
6771.875000	45.8	105.0	V	256.0	40.3	5.5	28.2	74
6966.250000	46.8	205.0	H	128.0	40.5	6.3	27.2	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)
3486.250000	30.4	105.0	H	25.0	32.4	-2.0	23.6	54
3640.000000	37.1	105.0	H	65.0	38.9	-1.8	16.9	54
4260.000000	28.9	205.0	V	107.0	28.2	0.7	25.1	54
4878.125000	31.6	105.0	H	65.0	29.8	1.8	22.4	54
6783.750000	33.6	205.0	V	0.0	28.0	5.6	20.4	54
6973.750000	36.4	105.0	V	85.0	30.1	6.3	17.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

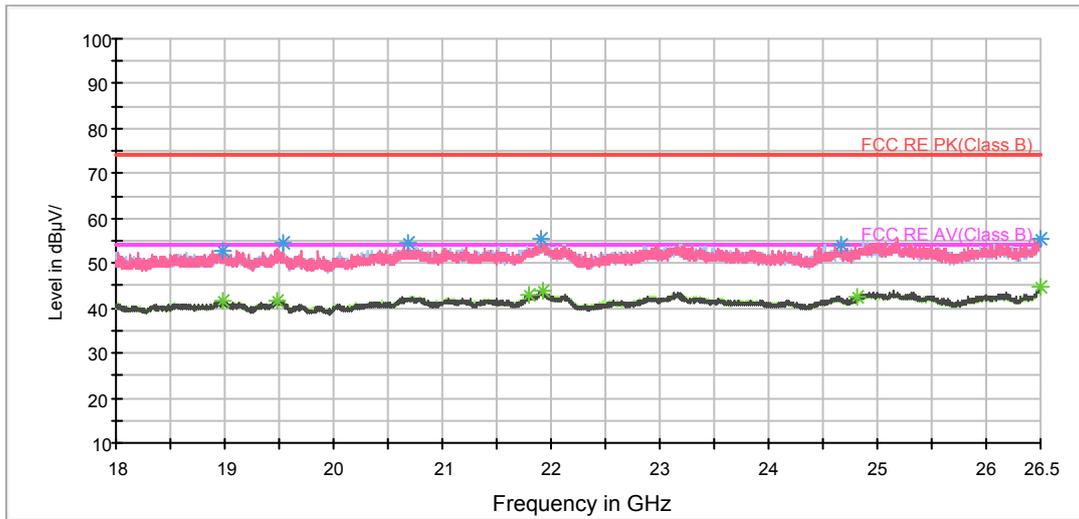
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9121.250000	48.5	202.0	V	65.0	38.4	10.1	25.5	74
9171.250000	48.7	202.0	V	0.0	38.6	10.1	25.3	74
11906.250000	49.2	102.0	V	204.0	37.1	12.1	24.8	74
12642.500000	52.6	202.0	H	0.0	38.1	14.5	21.4	74
15457.500000	56.9	102.0	V	226.0	37.3	19.6	17.1	74
17706.250000	63.2	102.0	V	204.0	38.5	24.7	10.8	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)
9157.500000	36.0	202.0	V	178.0	25.7	10.3	18.0	54
10460.000000	38.1	202.0	V	65.0	28.4	9.7	15.9	54
11896.250000	36.9	202.0	H	250.0	24.7	12.2	17.1	54
12645.000000	40.9	102.0	H	246.0	26.5	14.4	13.1	54
15478.750000	45.0	202.0	V	43.0	25.1	19.9	9.0	54
17917.500000	51.4	202.0	V	21.0	25.7	25.7	2.6	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

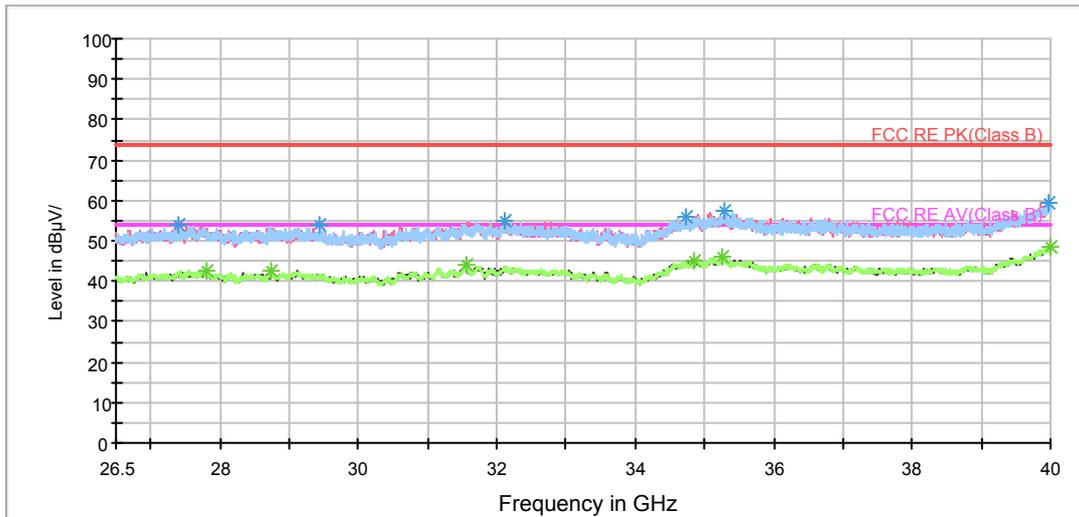
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18977.500000	52.7	V	55.0	52.8	-0.1	21.3	74
19534.250000	54.6	H	145.0	54.6	0.0	19.4	74
20688.125000	54.4	H	347.0	55.7	-1.3	19.6	74
21908.937500	55.3	V	0.0	56.8	-1.5	18.7	74
24669.312500	54.1	V	0.0	54.3	-0.2	19.9	74
26491.500000	55.6	H	347.0	54.5	1.1	18.4	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18974.312500	41.7	V	140.0	41.8	-0.1	12.3	54
19489.625000	41.8	V	250.0	41.7	0.1	12.2	54
21795.250000	42.8	V	30.0	44.9	-2.1	11.2	54
21923.812500	43.7	H	0.0	45.1	-1.4	10.3	54
24821.250000	42.6	V	267.0	42.4	0.2	11.4	54
26500.000000	44.6	V	38.0	43.5	1.1	9.4	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27404.500000	53.9	V	270.0	53.5	0.4	20.1	74
29453.125000	53.7	H	270.0	54.6	-0.9	20.3	74
32122.750000	55.1	H	90.0	55.4	-0.3	18.9	74
34719.812500	55.9	H	213.0	55.0	0.9	18.1	74
35285.125000	57.3	H	90.0	55.4	1.9	16.7	74
39959.500000	59.2	H	90.0	53.5	5.7	14.8	74

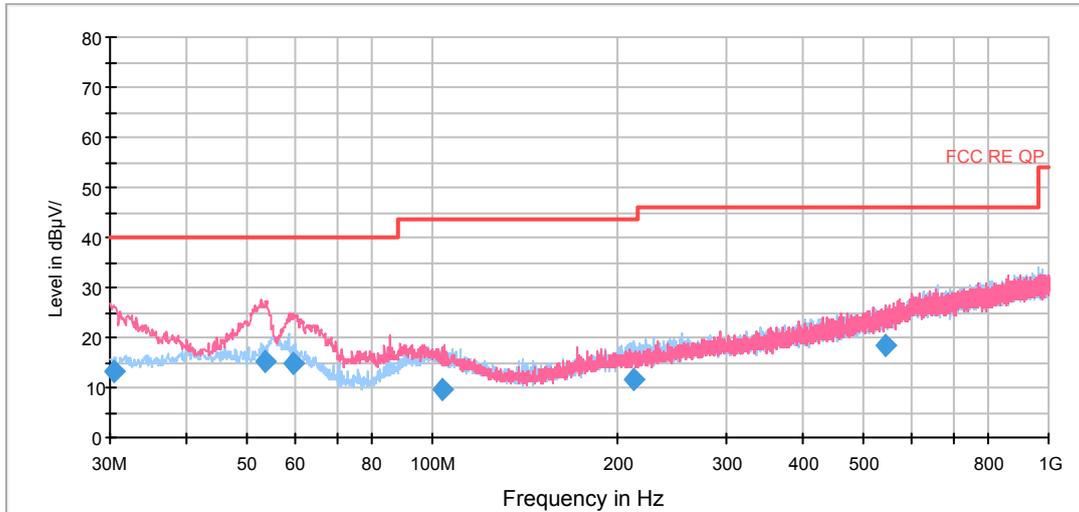
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27802.750000	42.7	H	116.0	42.7	0.0	11.3	54
28732.562500	42.4	V	270.0	42.9	-0.5	11.6	54
31554.062500	43.8	V	269.0	44.2	-0.4	10.2	54
34861.562500	45.0	V	127.0	43.3	1.7	9.0	54
35249.687500	46.0	H	176.0	44.0	2.0	8.0	54
39996.625000	48.3	H	90.0	42.4	5.9	5.7	54

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

802.11ac (HT20) CH36

FCC RE 0.03-1GHz QP Class B

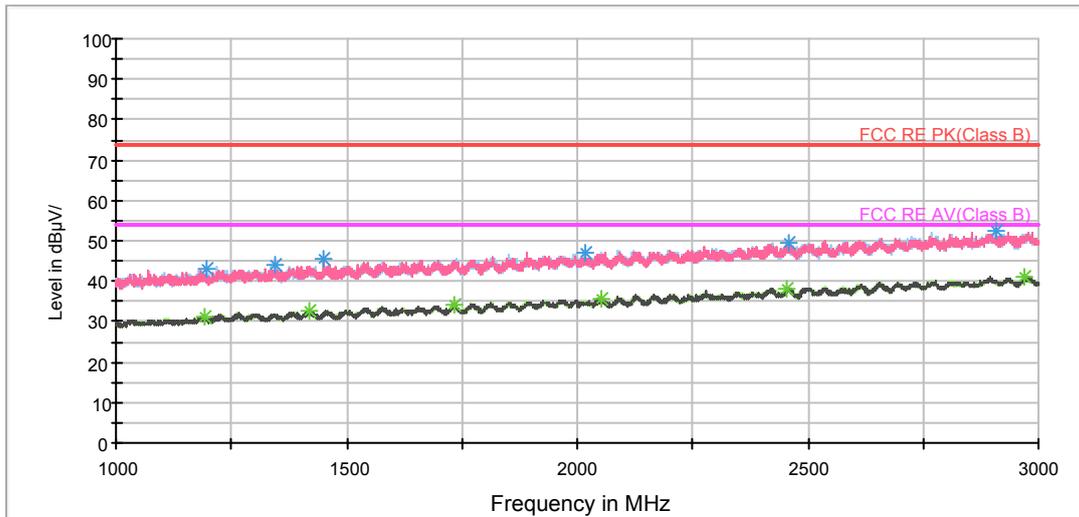


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.440000	13.4	100.0	V	255.0	1.3	12.1	26.6	40.0
53.516250	15.1	100.0	V	188.0	2.3	12.8	24.9	40.0
59.581250	15.0	125.0	V	204.0	2.4	12.6	25.0	40.0
104.210000	9.7	125.0	V	115.0	-3.2	12.9	33.8	43.5
212.843750	11.7	125.0	H	97.0	-1.0	12.7	31.8	43.5
541.996250	18.5	125.0	V	22.0	-2.9	21.4	27.5	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

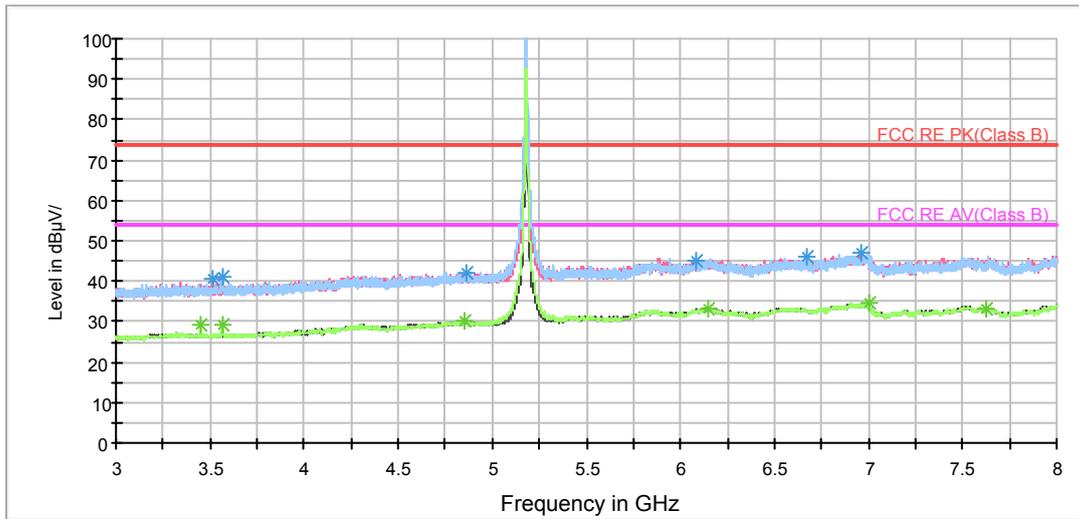
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1194.500000	43.1	205.0	H	288.0	48.3	-5.2	30.9	74
1346.250000	43.9	205.0	H	130.0	48.4	-4.5	30.1	74
1451.500000	45.5	205.0	V	113.0	49.1	-3.6	28.5	74
2019.250000	47.2	105.0	H	0.0	47.8	-0.6	26.8	74
2459.500000	49.6	105.0	V	0.0	47.1	2.5	24.4	74
2908.500000	52.2	205.0	H	130.0	47.3	4.9	21.8	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)
1190.000000	31.1	205.0	V	232.0	36.3	-5.2	22.9	54
1419.250000	32.5	205.0	V	44.0	36.4	-3.9	21.5	54
1731.500000	34.1	105.0	V	124.0	35.9	-1.8	19.9	54
2052.750000	35.7	205.0	V	254.0	35.9	-0.2	18.3	54
2455.250000	38.3	105.0	H	227.0	35.9	2.4	15.7	54
2969.500000	41.1	105.0	V	20.0	35.9	5.2	12.9	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

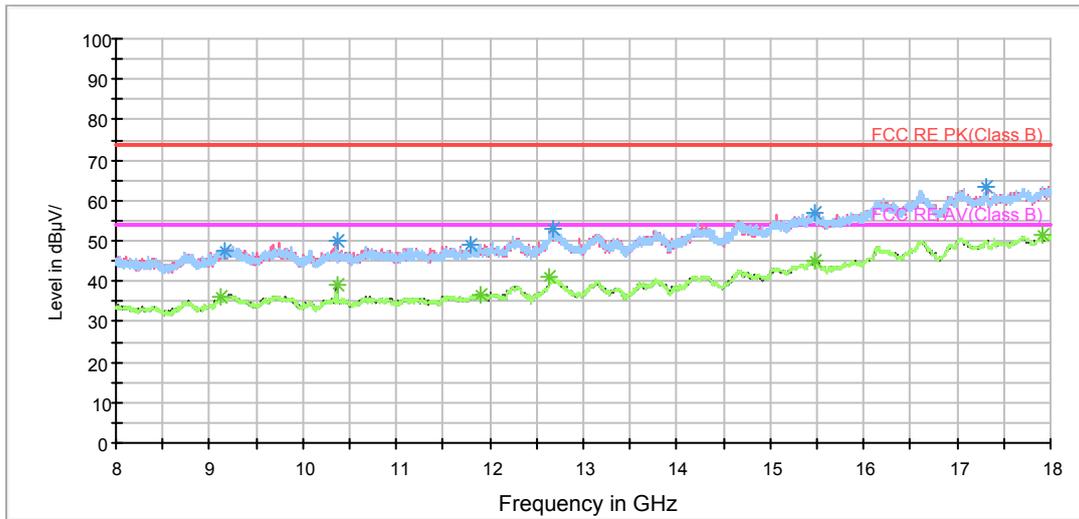
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3518.750000	40.8	205.0	V	3.0	42.8	-2.0	33.2	74
3565.625000	41.2	104.0	H	109.0	43.3	-2.1	32.8	74
4866.875000	42.3	205.0	V	85.0	40.6	1.7	31.7	74
6080.000000	45.0	106.0	V	0.0	39.7	5.3	29.0	74
6673.125000	46.2	104.0	H	0.0	40.7	5.5	27.8	74
6957.500000	47.0	106.0	V	0.0	40.8	6.2	27.0	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)
3453.125000	29.3	104.0	H	0.0	31.5	-2.2	24.7	54
3563.750000	29.4	104.0	H	67.0	31.5	-2.1	24.6	54
4855.625000	30.2	205.0	H	294.0	28.6	1.6	23.8	54
6148.750000	33.3	104.0	H	26.0	27.8	5.5	20.7	54
6999.375000	34.6	205.0	V	23.0	28.1	6.5	19.4	54
7620.000000	33.0	205.0	V	0.0	26.2	6.8	21.0	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9156.250000	47.7	103.0	V	68.0	37.4	10.3	26.3	74
10360.000000	50.0	202.0	V	65.0	40.2	9.8	24.0	74
11802.500000	49.0	103.0	V	324.0	37.2	11.8	25.0	74
12676.250000	53.1	103.0	H	0.0	38.9	14.2	20.9	74
15472.500000	56.8	202.0	H	204.0	37.0	19.8	17.2	74
17316.250000	63.6	202.0	V	155.0	39.4	24.2	10.4	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)
9120.000000	36.1	202.0	V	0.0	26.0	10.1	17.9	54
10360.000000	38.9	202.0	V	65.0	29.1	9.8	15.1	54
11898.750000	36.8	103.0	H	0.0	24.5	12.3	17.2	54
12642.500000	40.9	103.0	V	0.0	26.4	14.5	13.1	54
15471.250000	44.8	103.0	H	0.0	25.0	19.8	9.2	54
17920.000000	51.3	103.0	H	223.0	25.5	25.8	2.7	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18836.187500	52.4	V	28.0	52.4	0.0	21.6	74
19517.250000	52.9	H	286.0	52.9	0.0	21.1	74
20788.000000	53.6	H	327.0	55.5	-1.9	20.4	74
23179.687500	54.3	V	203.0	54.4	-0.1	19.7	74
23404.937500	53.1	V	60.0	53.2	-0.1	20.9	74
26498.937500	54.4	V	0.0	53.3	1.1	19.6	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18935.000000	41.0	V	264.0	40.9	0.1	13.0	54
19507.687500	41.4	H	244.0	41.3	0.1	12.6	54
21813.312500	42.3	H	327.0	44.3	-2.0	11.7	54
23157.375000	42.8	H	0.0	42.9	-0.1	11.2	54
24818.062500	42.3	V	0.0	42.1	0.2	11.7	54
26498.937500	43.8	H	327.0	42.7	1.1	10.2	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27439.937500	54.6	V	268.0	54.2	0.4	19.4	74
28741.000000	54.3	V	128.0	54.7	-0.4	19.7	74
32448.437500	55.6	H	90.0	56.3	-0.7	18.4	74
34797.437500	56.3	H	157.0	55.0	1.3	17.7	74
35300.312500	58.0	H	90.0	56.1	1.9	16.0	74
39964.562500	60.0	V	214.0	54.2	5.8	14.0	74

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

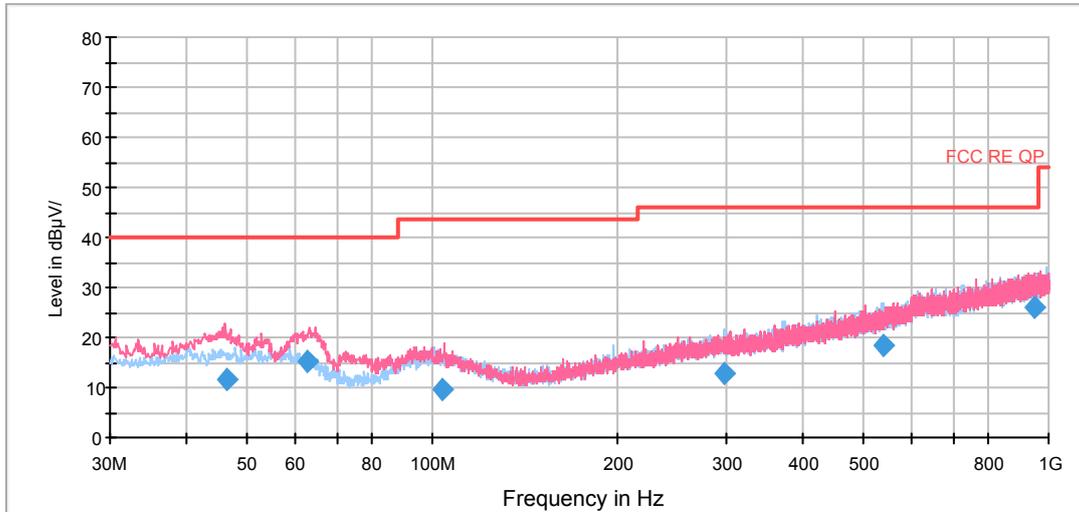
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27774.062500	43.1	V	214.0	43.0	0.1	10.9	54
29088.625000	42.7	V	270.0	42.9	-0.2	11.3	54
31721.125000	44.2	V	270.0	44.5	-0.3	9.8	54
34859.875000	45.2	V	149.0	43.5	1.7	8.8	54
35244.625000	45.9	V	186.0	43.9	2.0	8.1	54
39996.625000	48.5	V	177.0	42.6	5.9	5.5	54

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



802.11ac (HT20) CH40

FCC RE 0.03-1GHz QP Class B

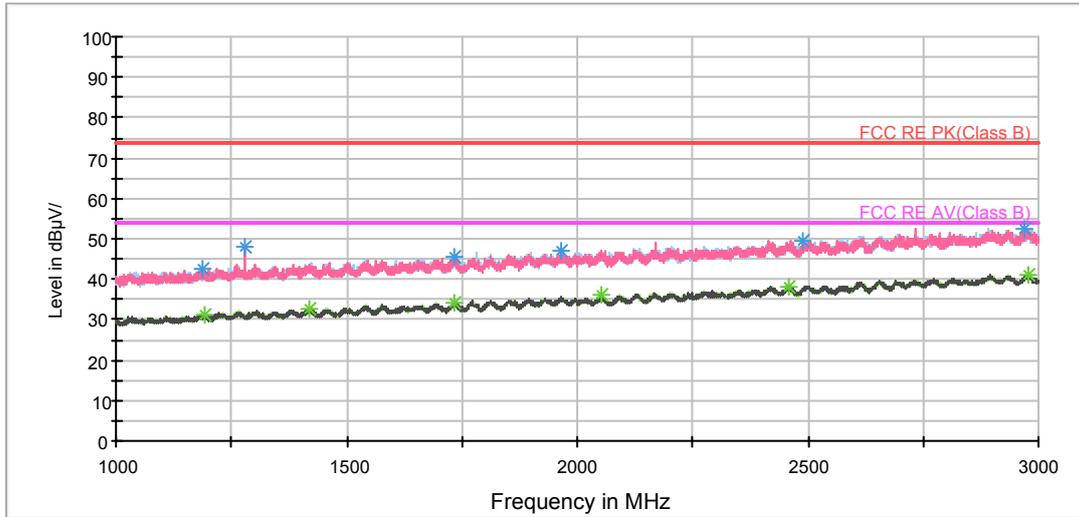


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
46.326250	11.6	100.0	V	237.0	-1.5	13.1	28.4	40.0
62.743750	15.2	113.0	V	4.0	3.6	11.6	24.8	40.0
104.168750	9.5	100.0	V	224.0	-3.4	12.9	34.0	43.5
296.998750	12.6	100.0	H	232.0	-3.0	15.6	33.4	46.0
538.966250	18.4	125.0	H	313.0	-3.0	21.4	27.6	46.0
949.843750	25.9	125.0	V	19.0	-1.2	27.1	20.1	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

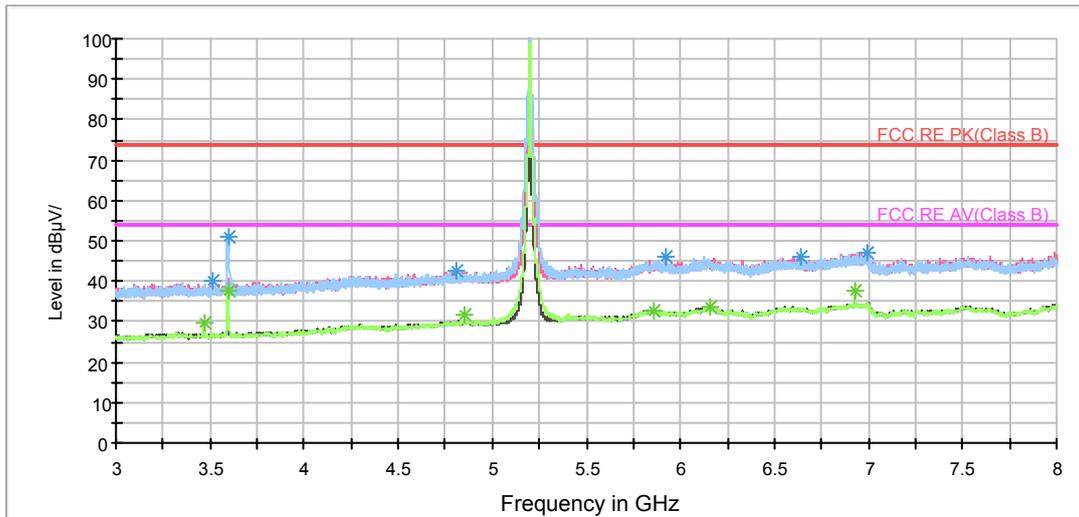
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1186.500000	42.4	105.0	H	232.0	47.5	-5.1	31.6	74
1279.250000	48.2	105.0	V	105.0	52.8	-4.6	25.8	74
1731.750000	45.8	205.0	H	25.0	47.6	-1.8	28.2	74
1966.000000	47.3	205.0	V	183.0	47.7	-0.4	26.7	74
2491.000000	49.7	105.0	H	345.0	46.4	3.3	24.3	74
2971.000000	52.5	205.0	H	121.0	47.3	5.2	21.5	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)
1191.000000	31.1	105.0	V	48.0	36.3	-5.2	22.9	54
1417.750000	32.5	205.0	H	165.0	36.4	-3.9	21.5	54
1731.750000	34.1	105.0	V	0.0	35.9	-1.8	19.9	54
2053.500000	36.0	205.0	H	135.0	36.2	-0.2	18.0	54
2460.000000	38.2	205.0	H	135.0	35.7	2.5	15.8	54
2978.750000	41.2	205.0	V	312.0	36.0	5.2	12.8	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

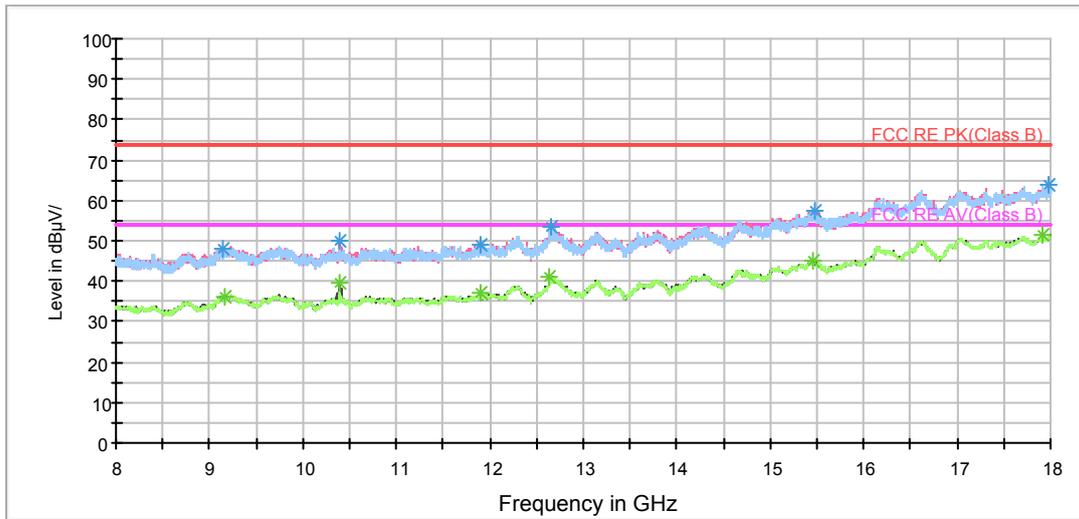
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3517.500000	40.2	205.0	V	191.0	42.2	-2.0	33.8	74
3596.875000	51.1	105.0	H	88.0	53.3	-2.2	22.9	74
4806.250000	42.8	106.0	V	334.0	41.5	1.3	31.2	74
5918.750000	45.8	205.0	V	87.0	40.9	4.9	28.2	74
6638.750000	46.1	106.0	V	0.0	40.6	5.5	27.9	74
6988.750000	47.0	205.0	H	193.0	40.6	6.4	27.0	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)
3466.250000	29.6	105.0	H	46.0	31.7	-2.1	24.4	54
3595.000000	37.8	105.0	H	67.0	40.1	-2.3	16.2	54
4848.125000	31.5	205.0	H	126.0	29.9	1.6	22.5	54
5854.375000	32.8	205.0	V	107.0	28.1	4.7	21.2	54
6158.125000	33.5	205.0	V	343.0	27.9	5.6	20.5	54
6933.750000	37.8	105.0	H	88.0	31.6	6.2	16.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

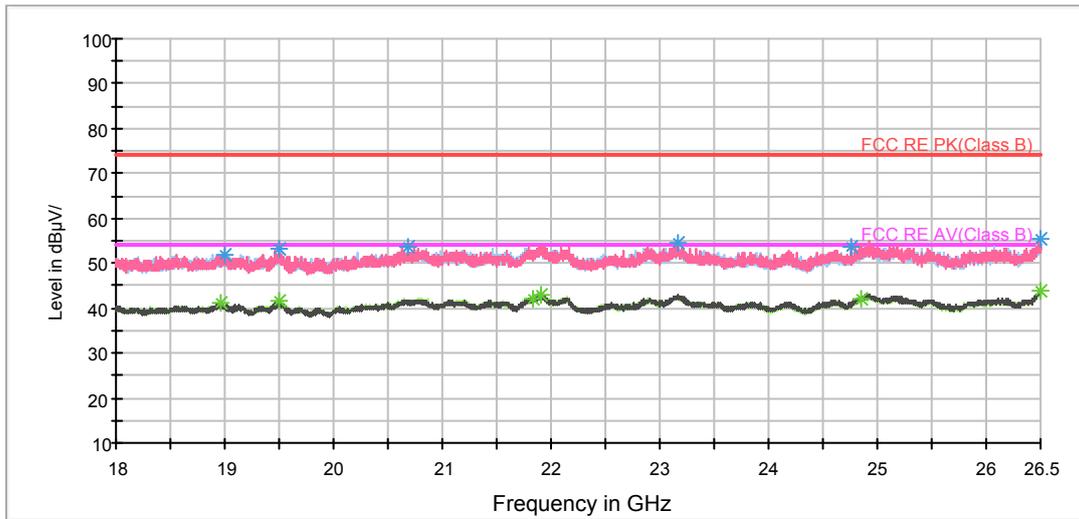
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9132.500000	47.8	103.0	V	0.0	37.8	10.0	26.2	74
10393.750000	49.8	103.0	V	339.0	40.3	9.5	24.2	74
11906.250000	49.0	202.0	V	14.0	36.9	12.1	25.0	74
12647.500000	53.3	102.0	H	133.0	39.0	14.3	20.7	74
15480.000000	57.4	103.0	V	272.0	37.5	19.9	16.6	74
17986.250000	63.7	202.0	V	0.0	38.6	25.1	10.3	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)
9157.500000	36.0	202.0	V	36.0	25.7	10.3	18.0	54
10400.000000	39.8	103.0	V	339.0	30.4	9.4	14.2	54
11898.750000	37.0	103.0	V	0.0	24.7	12.3	17.0	54
12640.000000	41.0	202.0	H	0.0	26.4	14.6	13.0	54
15447.500000	44.8	202.0	H	342.0	25.3	19.5	9.2	54
17915.000000	51.4	102.0	H	0.0	25.8	25.6	2.6	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

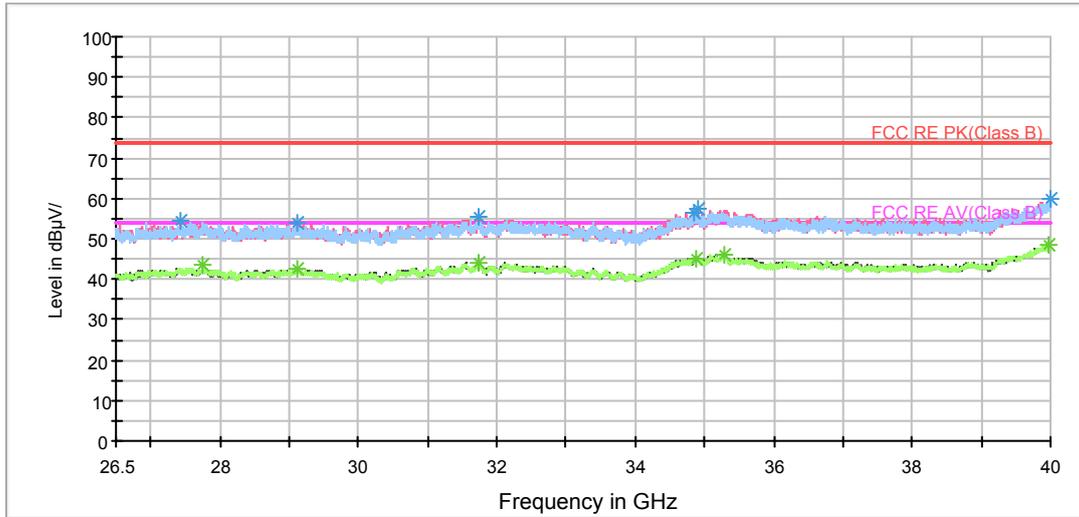
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18993.437500	52.1	V	159.0	52.3	-0.2	21.9	74
19501.312500	53.3	H	319.0	53.2	0.1	20.7	74
20680.687500	53.8	H	310.0	55.1	-1.3	20.2	74
23158.437500	54.5	H	285.0	54.6	-0.1	19.5	74
24751.125000	53.7	V	261.0	53.9	-0.2	20.3	74
26496.812500	55.4	H	151.0	54.3	1.1	18.6	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18955.187500	41.1	H	218.0	41.1	0.0	12.9	54
19499.187500	41.4	H	0.0	41.3	0.1	12.6	54
21825.000000	42.3	V	3.0	44.3	-2.0	11.7	54
21905.750000	43.1	H	336.0	44.6	-1.5	10.9	54
24843.562500	42.3	V	0.0	42.0	0.3	11.7	54
26497.875000	43.7	V	19.0	42.6	1.1	10.3	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27439.937500	54.3	V	270.0	53.9	0.4	19.7	74
29124.062500	53.9	H	90.0	54.1	-0.2	20.1	74
31734.625000	55.2	V	194.0	55.5	-0.3	18.8	74
34843.000000	56.5	H	115.0	54.9	1.6	17.5	74
34898.687500	57.7	H	177.0	55.8	1.9	16.3	74
39991.562500	59.7	H	90.0	53.8	5.9	14.3	74

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

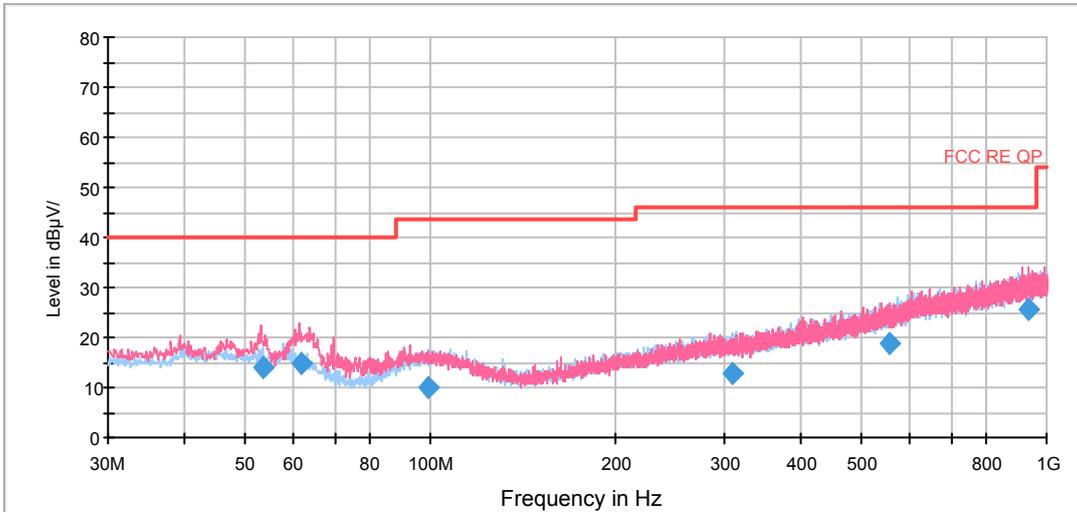
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27747.062500	43.3	H	90.0	43.2	0.1	10.7	54
29107.187500	42.5	V	175.0	42.7	-0.2	11.5	54
31738.000000	44.1	V	246.0	44.4	-0.3	9.9	54
34868.312500	45.2	V	255.0	43.5	1.7	8.8	54
35278.375000	46.1	V	255.0	44.1	2.0	7.9	54
39966.250000	48.5	V	185.0	42.7	5.8	5.5	54

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



802.11ac (HT20) CH48

FCC RE 0.03-1GHz QP Class B

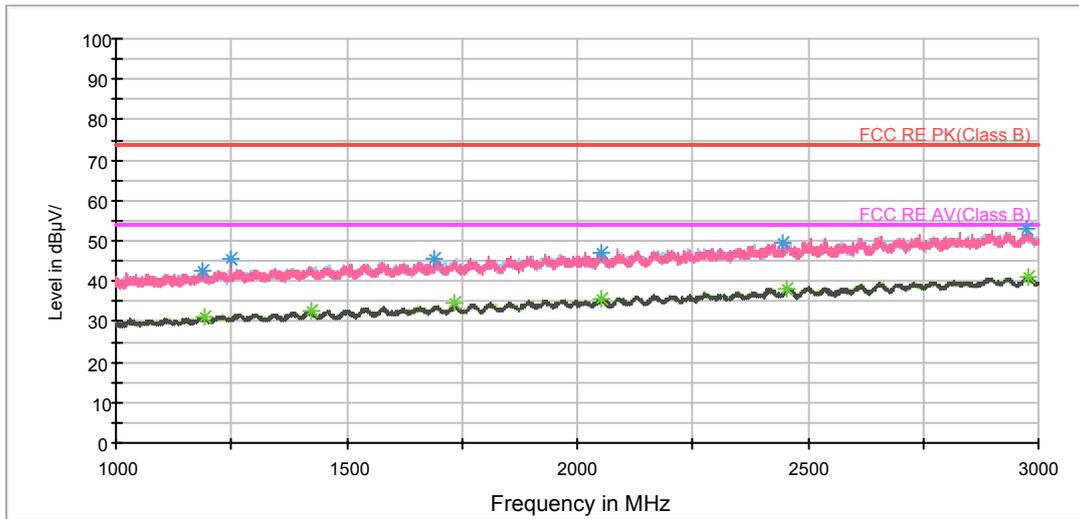


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.598750	14.2	100.0	V	227.0	1.4	12.8	25.8	40.0
61.883750	14.8	114.0	V	153.0	2.9	11.9	25.2	40.0
98.997500	9.9	100.0	H	182.0	-3.3	13.2	33.6	43.5
309.965000	12.8	125.0	H	112.0	-3.2	16.0	33.2	46.0
555.857500	18.8	100.0	V	23.0	-2.9	21.7	27.2	46.0
935.852500	25.7	100.0	V	189.0	-1.3	27.0	20.3	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

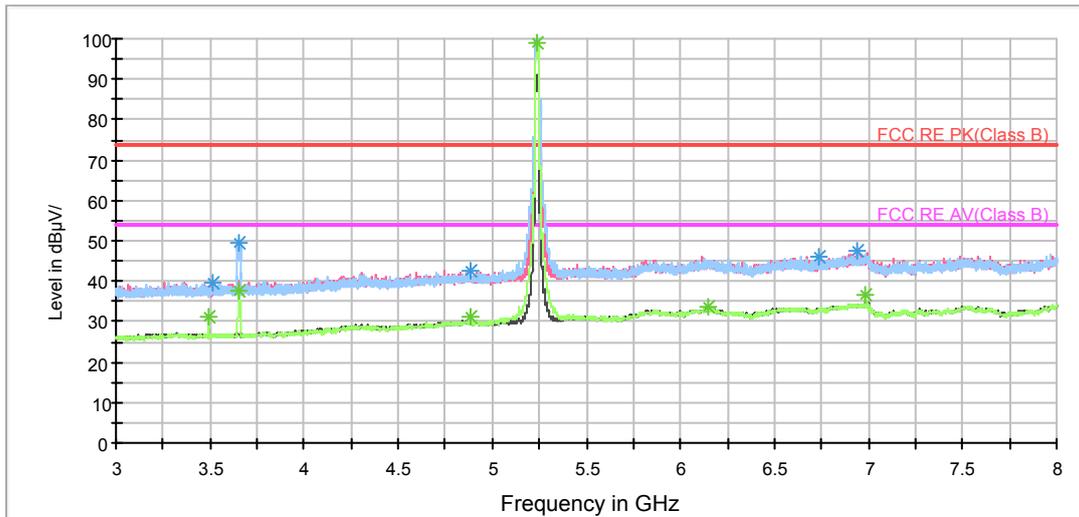
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1186.750000	42.3	205.0	V	130.0	47.4	-5.1	31.7	74
1248.500000	45.4	105.0	V	102.0	50.4	-5.0	28.6	74
1690.000000	45.7	105.0	H	301.0	47.7	-2.0	28.3	74
2051.000000	47.1	105.0	V	43.0	47.3	-0.2	26.9	74
2444.750000	49.6	205.0	V	279.0	47.1	2.5	24.4	74
2975.500000	53.0	205.0	V	115.0	47.8	5.2	21.0	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)
1192.000000	31.4	105.0	V	88.0	36.6	-5.2	22.6	54
1424.500000	32.6	105.0	H	287.0	36.5	-3.9	21.4	54
1731.750000	34.4	205.0	V	130.0	36.2	-1.8	19.6	54
2053.750000	35.7	205.0	H	148.0	35.9	-0.2	18.3	54
2456.000000	38.4	105.0	V	277.0	35.9	2.5	15.6	54
2977.750000	41.1	205.0	V	355.0	35.9	5.2	12.9	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

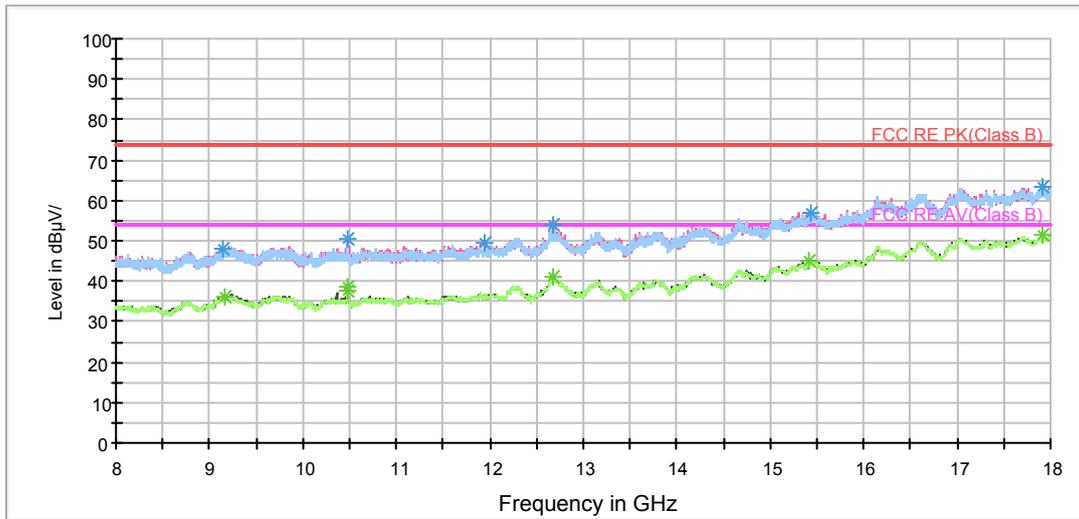
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3516.250000	39.8	205.0	H	0.0	41.8	-2.0	34.2	74
3658.125000	49.6	105.0	H	44.0	51.5	-1.9	24.4	74
4886.250000	42.4	205.0	H	85.0	40.5	1.9	31.6	74
6733.125000	46.0	105.0	V	0.0	40.6	5.4	28.0	74
6945.000000	47.7	105.0	H	169.0	41.6	6.1	26.3	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)
3493.125000	31.0	205.0	H	356.0	33.1	-2.1	23.0	54
3654.375000	37.7	105.0	H	44.0	39.6	-1.9	16.3	54
4888.125000	31.2	105.0	H	86.0	29.3	1.9	22.8	54
6151.875000	33.5	105.0	V	316.0	28.0	5.5	20.5	54
6986.875000	36.5	105.0	H	64.0	30.1	6.4	17.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

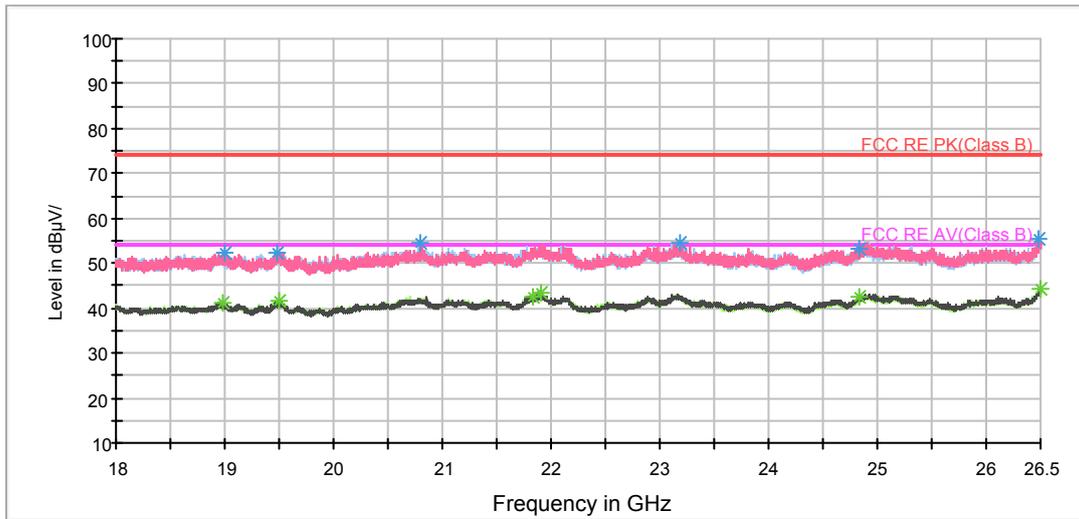
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9135.000000	48.1	102.0	H	176.0	38.1	10.0	25.9	74
10475.000000	50.6	102.0	V	160.0	40.6	10.0	23.4	74
11950.000000	49.4	202.0	V	315.0	37.6	11.8	24.6	74
12678.750000	53.8	202.0	H	343.0	39.6	14.2	20.2	74
15427.500000	57.2	202.0	H	207.0	37.7	19.5	16.8	74
17913.750000	63.3	102.0	V	347.0	37.7	25.6	10.7	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)
9157.500000	36.1	102.0	H	0.0	25.8	10.3	17.9	54
10480.000000	38.6	202.0	V	63.0	28.5	10.1	15.4	54
10483.750000	37.7	102.0	V	160.0	27.6	10.1	16.3	54
12680.000000	40.9	102.0	V	347.0	26.6	14.3	13.1	54
15421.250000	44.8	102.0	V	0.0	25.4	19.4	9.2	54
17918.750000	51.4	102.0	V	0.0	25.7	25.7	2.6	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19003.000000	52.2	V	135.0	52.4	-0.2	21.8	74
19485.375000	52.5	H	285.0	52.4	0.1	21.5	74
20791.187500	54.6	V	0.0	56.5	-1.9	19.4	74
23181.812500	54.6	H	206.0	54.7	-0.1	19.4	74
24838.250000	53.4	V	135.0	53.1	0.3	20.6	74
26487.250000	55.4	H	335.0	54.3	1.1	18.6	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18977.500000	41.3	V	0.0	41.4	-0.1	12.7	54
19501.312500	41.5	H	326.0	41.4	0.1	12.5	54
21827.125000	42.4	H	130.0	44.3	-1.9	11.6	54
21908.937500	43.3	V	102.0	44.8	-1.5	10.7	54
24826.562500	42.5	V	316.0	42.3	0.2	11.5	54
26500.000000	44.3	V	110.0	43.2	1.1	9.7	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27758.875000	54.2	H	121.0	54.1	0.1	19.8	74
29230.375000	53.7	H	90.0	54.1	-0.4	20.3	74
31530.437500	56.3	V	194.0	56.7	-0.4	17.7	74
34665.812500	56.4	V	175.0	55.8	0.6	17.6	74
35222.687500	57.6	H	121.0	55.5	2.1	16.4	74
39917.312500	59.0	V	175.0	53.5	5.5	15.0	74

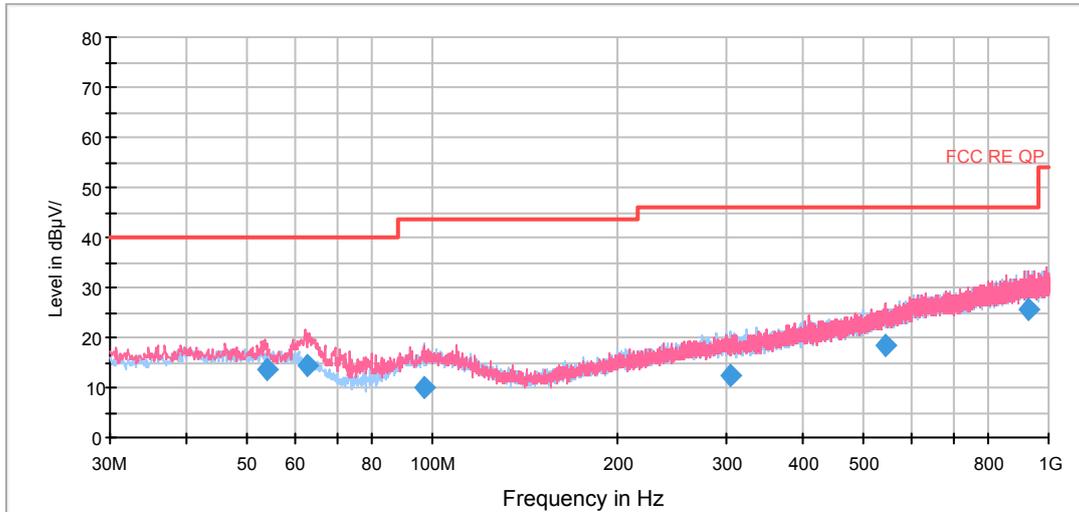
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27554.687500	42.7	H	95.0	42.3	0.4	11.3	54
29124.062500	42.5	V	270.0	42.7	-0.2	11.5	54
32139.625000	44.1	V	194.0	44.4	-0.3	9.9	54
34866.625000	45.1	V	264.0	43.4	1.7	8.9	54
35271.625000	46.1	H	231.0	44.1	2.0	7.9	54
40000.000000	48.4	H	104.0	42.4	6.0	5.6	54

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

802.11ac (HT40) CH38

FCC RE 0.03-1GHz QP Class B

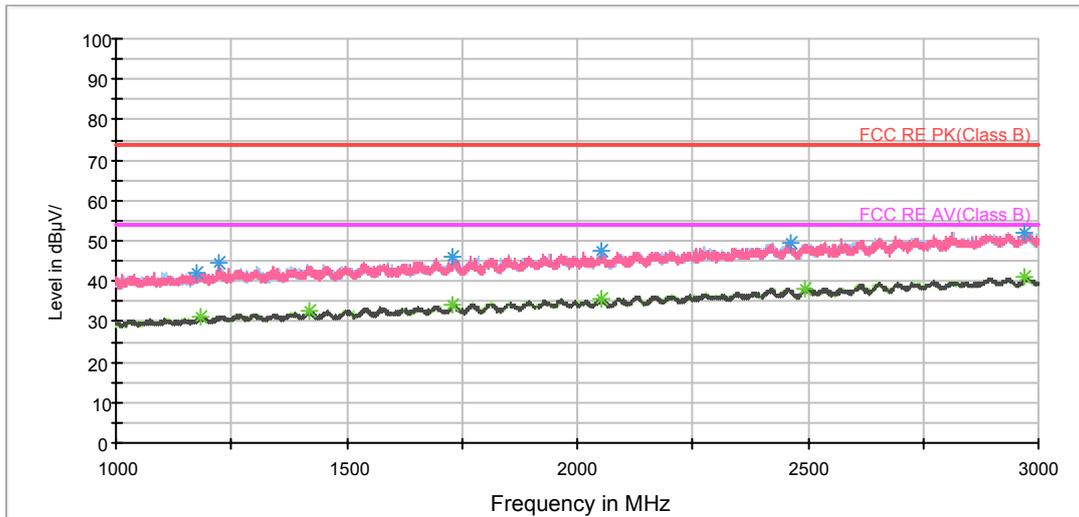


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
54.001250	13.4	100.0	V	117.0	0.4	13.0	26.6	40.0
62.651250	14.6	114.0	V	288.0	3.0	11.6	25.4	40.0
96.968750	9.9	125.0	H	42.0	-3.0	12.9	33.6	43.5
303.783750	12.3	100.0	H	101.0	-3.5	15.8	33.7	46.0
545.027500	18.6	125.0	V	250.0	-3.0	21.6	27.4	46.0
929.992500	25.7	100.0	V	121.0	-1.4	27.1	20.3	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

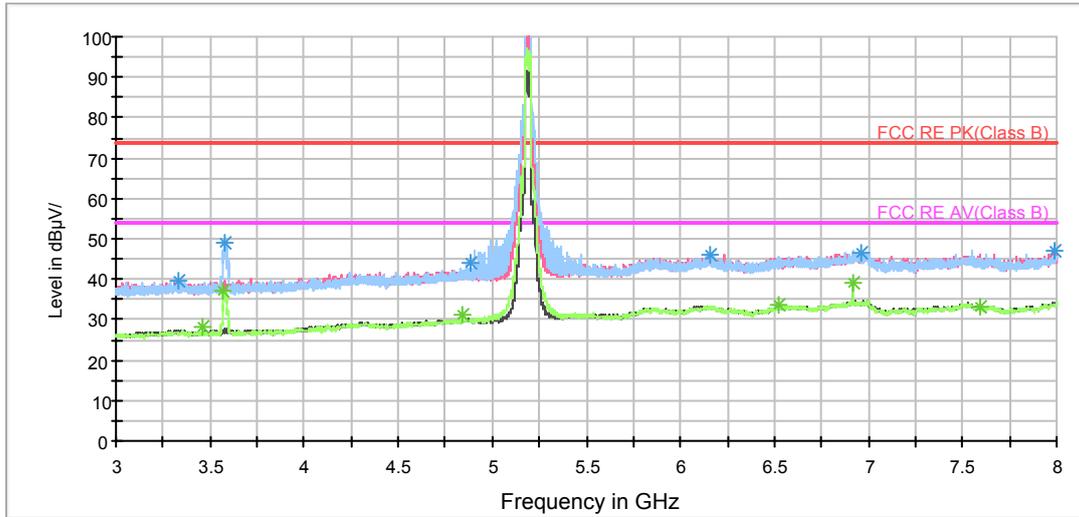
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1174.500000	42.3	105.0	V	0.0	47.3	-5.0	31.7	74
1221.000000	44.8	205.0	V	112.0	49.7	-4.9	29.2	74
1730.750000	45.9	205.0	V	188.0	47.8	-1.9	28.1	74
2051.750000	47.3	105.0	H	347.0	47.5	-0.2	26.7	74
2463.750000	49.7	205.0	H	0.0	47.3	2.4	24.3	74
2970.000000	52.1	205.0	V	340.0	46.9	5.2	21.9	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)
1185.000000	31.1	105.0	H	208.0	36.2	-5.1	22.9	54
1420.000000	32.7	105.0	H	229.0	36.6	-3.9	21.3	54
1730.750000	33.9	205.0	H	246.0	35.8	-1.9	20.1	54
2052.250000	35.7	105.0	V	68.0	35.9	-0.2	18.3	54
2494.500000	38.3	105.0	H	0.0	35.1	3.2	15.7	54
2971.500000	41.1	205.0	H	111.0	35.9	5.2	12.9	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

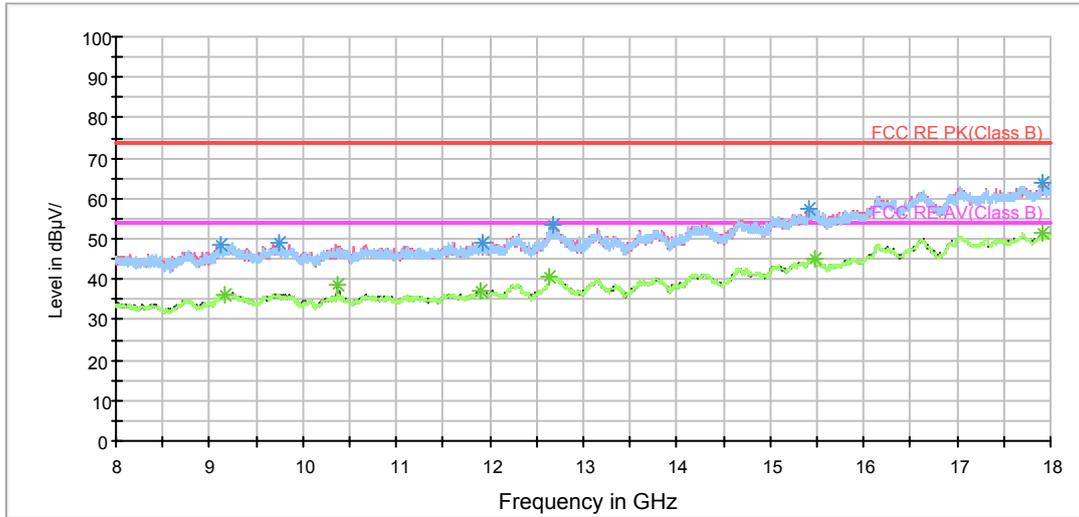
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3326.875000	39.6	105.0	V	335.0	41.8	-2.2	34.4	74
3574.375000	49.1	105.0	H	84.0	51.3	-2.2	24.9	74
4882.500000	43.8	205.0	H	317.0	41.9	1.9	30.2	74
6161.875000	46.0	105.0	H	148.0	40.4	5.6	28.0	74
6964.375000	46.4	105.0	H	64.0	40.2	6.2	27.6	74
7994.375000	46.9	105.0	V	314.0	39.6	7.3	27.1	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)
3460.000000	28.2	105.0	H	23.0	30.4	-2.2	25.8	54
3572.500000	37.3	105.0	H	84.0	39.5	-2.2	16.7	54
4838.125000	31.3	105.0	H	43.0	29.7	1.6	22.7	54
6525.625000	33.5	205.0	V	24.0	28.0	5.5	20.5	54
6920.000000	39.3	105.0	H	84.0	33.1	6.2	14.7	54
7595.625000	33.3	205.0	V	4.0	26.3	7.0	20.7	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

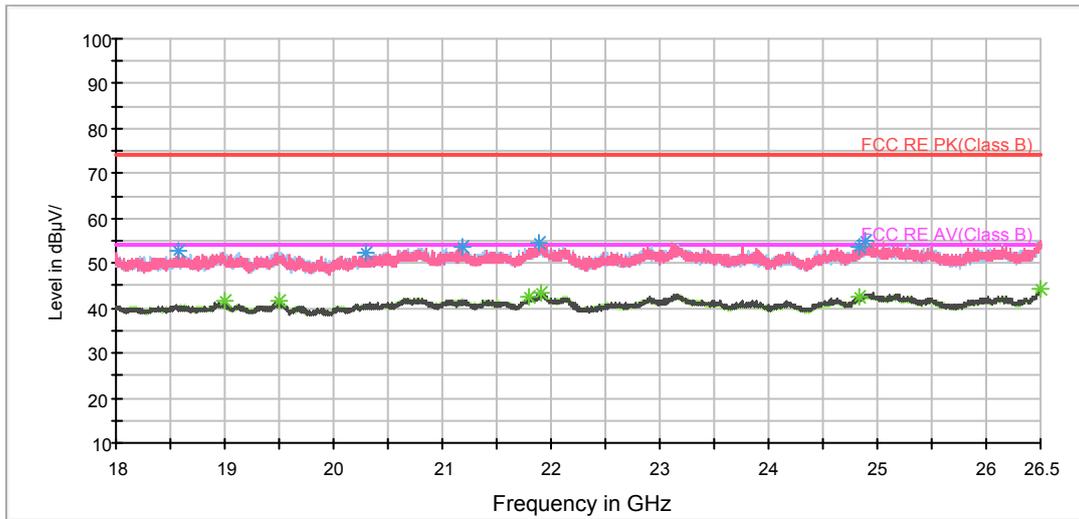
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9128.750000	48.5	202.0	V	133.0	38.5	10.0	25.5	74
9741.250000	49.1	102.0	V	193.0	39.1	10.0	24.9	74
11920.000000	49.3	102.0	V	0.0	37.7	11.6	24.7	74
12672.500000	53.4	102.0	V	261.0	39.3	14.1	20.6	74
15421.250000	57.2	102.0	H	127.0	37.8	19.4	16.8	74
17918.750000	64.1	202.0	V	65.0	38.4	25.7	9.9	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)
9156.250000	36.1	102.0	V	327.0	25.8	10.3	17.9	54
10380.000000	38.6	102.0	V	170.0	28.8	9.8	15.4	54
11898.750000	37.0	202.0	H	183.0	24.7	12.3	17.0	54
12642.500000	40.8	202.0	V	0.0	26.3	14.5	13.2	54
15477.500000	44.9	202.0	V	88.0	25.0	19.9	9.1	54
17913.750000	51.5	102.0	V	140.0	25.9	25.6	2.5	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

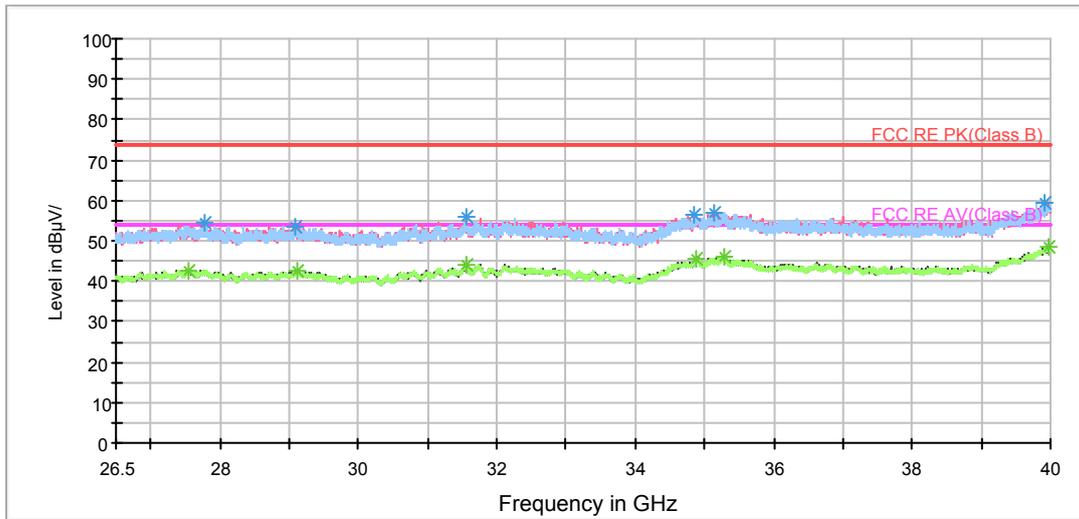
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18576.937500	52.6	V	314.0	52.4	0.2	21.4	74
20290.750000	52.5	V	242.0	53.6	-1.1	21.5	74
21188.562500	53.8	V	88.0	55.4	-1.6	20.2	74
21897.250000	54.7	H	280.0	56.3	-1.6	19.3	74
24840.375000	53.6	V	279.0	53.3	0.3	20.4	74
24882.875000	55.1	V	0.0	54.6	0.5	18.9	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18991.312500	41.5	V	0.0	41.6	-0.1	12.5	54
19494.937500	41.6	H	46.0	41.5	0.1	12.4	54
21794.187500	42.7	H	229.0	44.8	-2.1	11.3	54
21906.812500	43.3	V	193.0	44.8	-1.5	10.7	54
24829.750000	42.4	V	96.0	42.2	0.2	11.6	54
26500.000000	44.5	V	65.0	43.4	1.1	9.5	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27774.062500	54.6	V	262.0	54.5	0.1	19.4	74
29081.875000	53.5	V	210.0	53.6	-0.1	20.5	74
31557.437500	55.7	H	270.0	56.1	-0.4	18.3	74
34859.875000	56.5	H	90.0	54.8	1.7	17.5	74
35143.375000	57.2	V	138.0	55.0	2.2	16.8	74
39902.125000	59.4	V	193.0	54.0	5.4	14.6	74

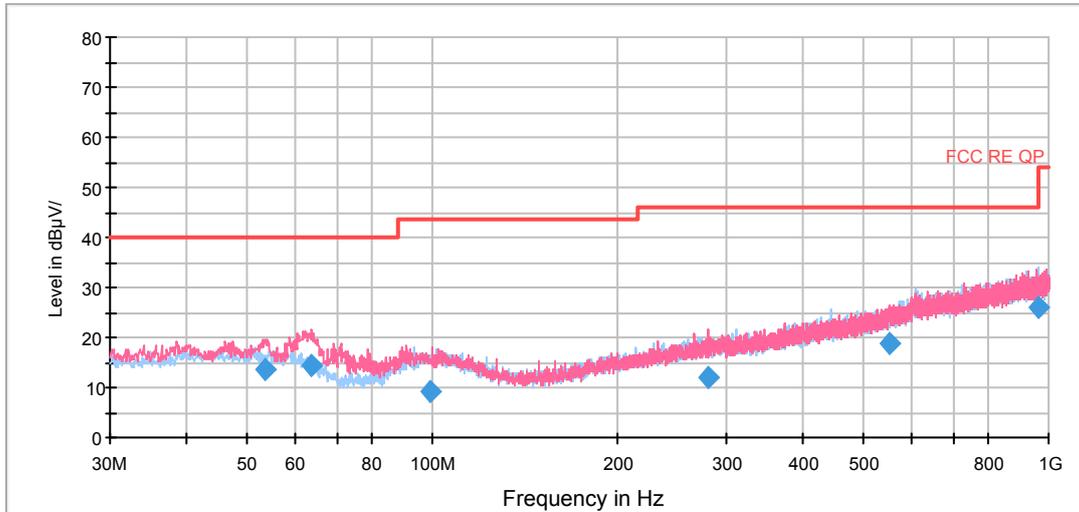
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27553.000000	42.7	H	90.0	42.3	0.4	11.3	54
29113.937500	42.6	H	167.0	42.8	-0.2	11.4	54
31557.437500	44.1	H	270.0	44.5	-0.4	9.9	54
34866.625000	45.5	V	270.0	43.8	1.7	8.5	54
35293.562500	46.1	H	270.0	44.2	1.9	7.9	54
39983.125000	48.3	V	176.0	42.4	5.9	5.7	54

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

802.11ac (HT40) CH46

FCC RE 0.03-1GHz QP Class B

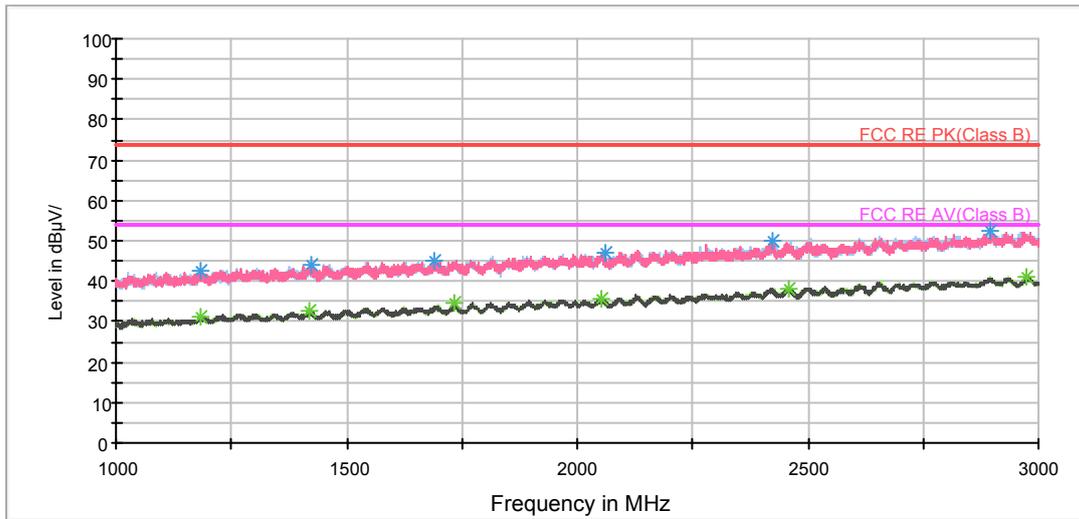


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.558750	13.5	100.0	V	239.0	0.7	12.8	26.5	40.0
63.548750	14.3	125.0	V	83.0	3.2	11.1	25.7	40.0
99.521250	9.2	100.0	V	36.0	-4.0	13.2	34.3	43.5
279.892500	12.0	114.0	V	22.0	-3.2	15.2	34.0	46.0
550.968750	18.7	114.0	V	28.0	-2.9	21.6	27.3	46.0
959.621250	26.1	125.0	V	0.0	-1.3	27.4	19.9	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

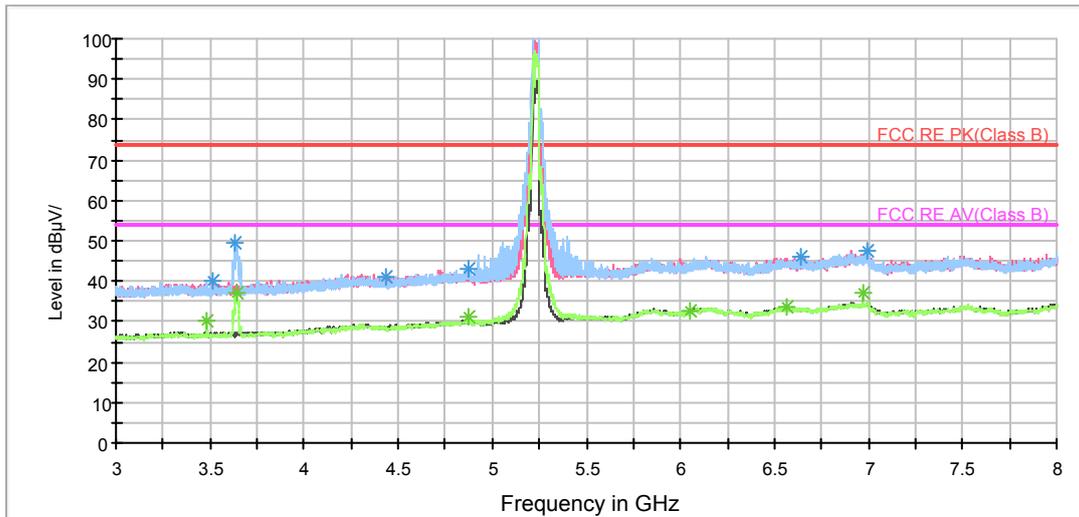
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1185.500000	42.4	205.0	H	202.0	47.5	-5.1	31.6	74
1425.250000	44.1	205.0	V	128.0	48.0	-3.9	29.9	74
1691.750000	45.2	205.0	H	0.0	47.2	-2.0	28.8	74
2059.750000	46.9	105.0	H	246.0	47.0	-0.1	27.1	74
2425.000000	50.2	105.0	H	311.0	47.7	2.5	23.8	74
2895.500000	52.2	105.0	H	59.0	47.1	5.1	21.8	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)
1184.250000	31.0	205.0	H	0.0	36.1	-5.1	23.0	54
1419.250000	32.6	205.0	H	12.0	36.5	-3.9	21.4	54
1732.000000	34.6	205.0	H	224.0	36.4	-1.8	19.4	54
2053.250000	35.7	105.0	V	58.0	35.9	-0.2	18.3	54
2459.250000	38.2	205.0	H	0.0	35.7	2.5	15.8	54
2974.750000	41.2	105.0	V	6.0	36.0	5.2	12.8	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

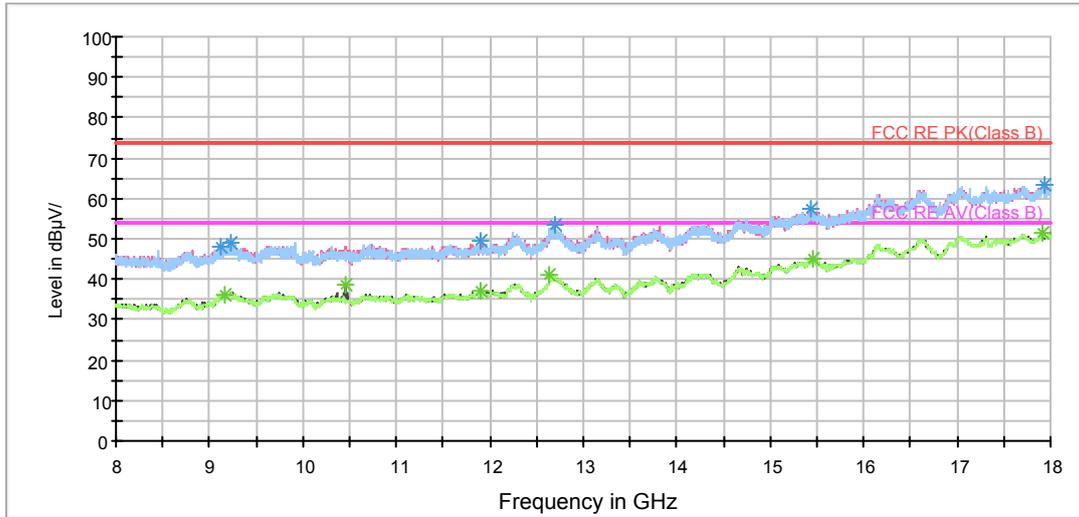
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3518.750000	39.9	105.0	V	357.0	41.9	-2.0	34.1	74
3636.875000	49.4	105.0	H	88.0	51.3	-1.9	24.6	74
4430.000000	41.0	205.0	H	0.0	40.8	0.2	33.0	74
4877.500000	42.8	105.0	V	148.0	41.0	1.8	31.2	74
6641.250000	46.0	205.0	H	211.0	40.5	5.5	28.0	74
6995.000000	47.7	105.0	V	0.0	41.2	6.5	26.3	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)
3486.250000	30.4	205.0	H	0.0	32.4	-2.0	23.6	54
3640.000000	37.0	105.0	H	66.0	38.8	-1.8	17.0	54
4878.125000	31.3	205.0	H	126.0	29.5	1.8	22.7	54
6050.000000	32.5	105.0	V	127.0	27.6	4.9	21.5	54
6568.750000	33.5	205.0	V	25.0	27.8	5.7	20.5	54
6973.750000	36.9	105.0	H	88.0	30.6	6.3	17.1	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

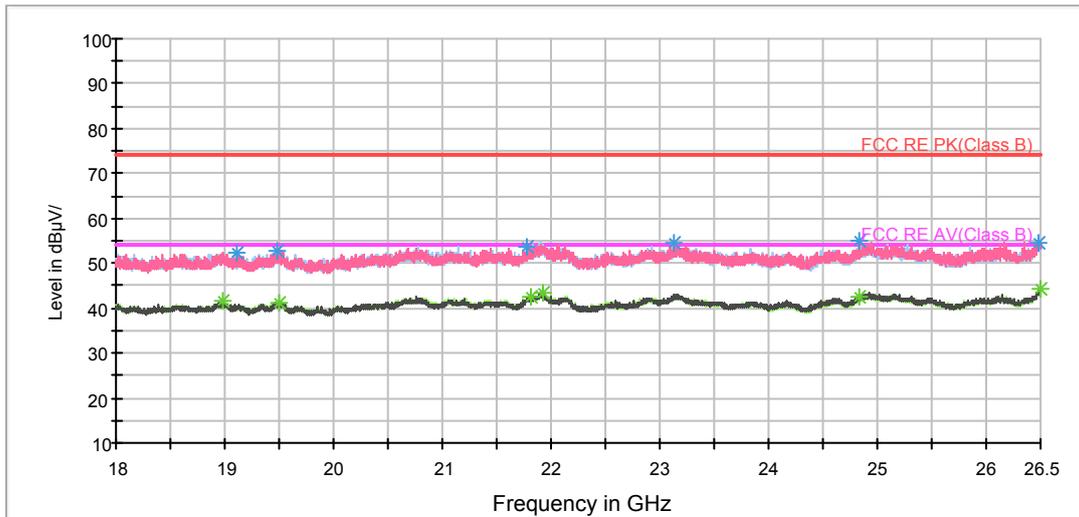
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9118.750000	48.1	102.0	H	133.0	38.1	10.0	25.9	74
9218.750000	48.9	102.0	H	178.0	39.0	9.9	25.1	74
11896.250000	49.4	202.0	V	0.0	37.2	12.2	24.6	74
12693.750000	53.3	202.0	V	154.0	39.1	14.2	20.7	74
15425.000000	57.2	102.0	H	155.0	37.8	19.4	16.8	74
17925.000000	63.5	202.0	V	43.0	37.9	25.6	10.5	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)
9157.500000	36.1	102.0	H	88.0	25.8	10.3	17.9	54
10460.000000	38.5	102.0	V	340.0	28.8	9.7	15.5	54
11898.750000	36.9	102.0	V	248.0	24.6	12.3	17.1	54
12642.500000	41.1	102.0	V	271.0	26.6	14.5	12.9	54
15450.000000	44.8	102.0	H	110.0	25.3	19.5	9.2	54
17922.500000	51.5	202.0	H	339.0	25.8	25.7	2.5	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19103.937500	52.5	H	0.0	53.1	-0.6	21.5	74
19490.687500	52.8	H	0.0	52.7	0.1	21.2	74
21769.750000	53.8	V	0.0	56.0	-2.2	20.2	74
23135.062500	54.6	V	70.0	54.7	-0.1	19.4	74
24839.312500	54.8	V	0.0	54.5	0.3	19.2	74
26486.187500	54.7	V	0.0	53.6	1.1	19.3	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18974.312500	41.6	H	345.0	41.7	-0.1	12.4	54
19500.250000	41.4	V	144.0	41.3	0.1	12.6	54
21810.125000	42.5	H	230.0	44.5	-2.0	11.5	54
21922.750000	43.4	H	76.0	44.9	-1.5	10.6	54
24831.875000	42.4	H	76.0	42.2	0.2	11.6	54
26498.937500	44.2	H	172.0	43.1	1.1	9.8	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27590.125000	53.9	H	159.0	53.5	0.4	20.1	74
29183.125000	53.4	H	265.0	53.7	-0.3	20.6	74
32124.437500	55.5	V	205.0	55.8	-0.3	18.5	74
34856.500000	55.9	H	90.0	54.2	1.7	18.1	74
35472.437500	56.9	V	168.0	55.3	1.6	17.1	74
40000.000000	59.1	H	177.0	53.1	6.0	14.9	74

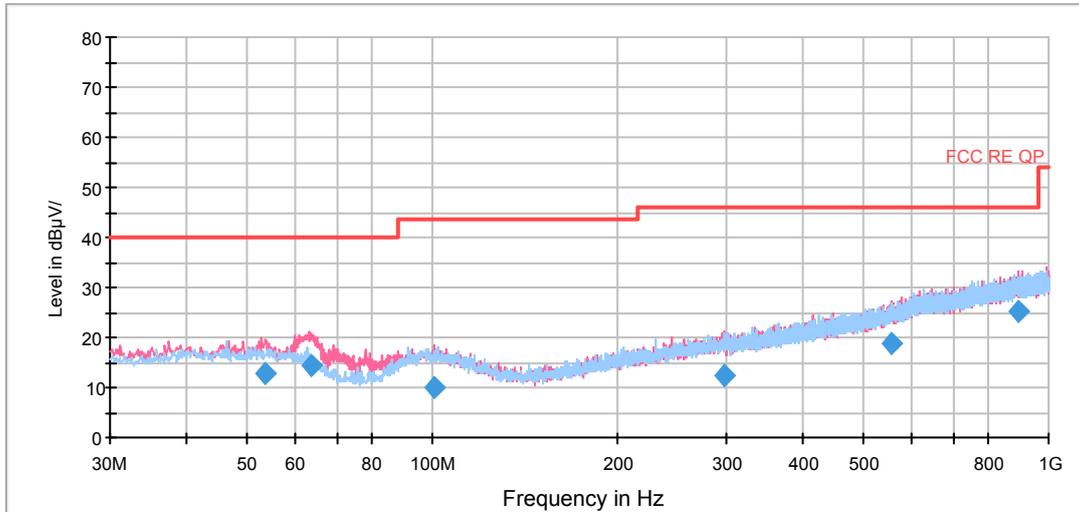
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27553.000000	42.8	V	150.0	42.4	0.4	11.2	54
29112.250000	42.7	V	270.0	42.9	-0.2	11.3	54
31751.500000	44.0	V	178.0	44.3	-0.3	10.0	54
34866.625000	45.7	H	270.0	44.0	1.7	8.3	54
35283.437500	46.0	V	168.0	44.1	1.9	8.0	54
39967.937500	48.6	V	232.0	42.8	5.8	5.4	54

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

802.11ac (HT80) CH42

FCC RE 0.03-1GHz QP Class B

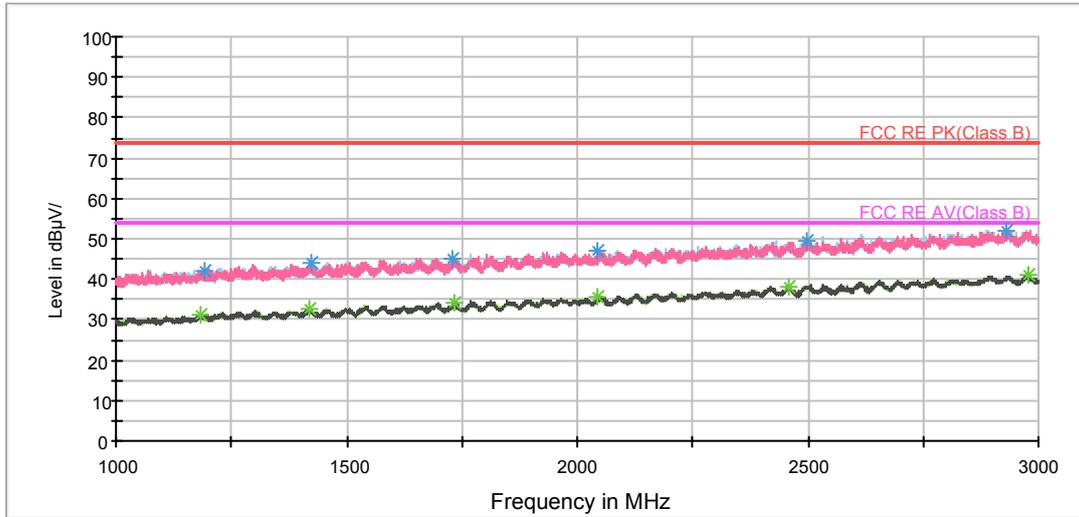


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.476250	12.6	100.0	V	127.0	-0.2	12.8	27.4	40.0
63.500000	14.3	100.0	V	167.0	3.2	11.1	25.7	40.0
100.571250	9.9	216.0	V	108.0	-3.3	13.2	33.6	43.5
297.965000	12.6	100.0	V	296.0	-3.0	15.6	33.4	46.0
554.930000	18.8	225.0	V	43.0	-3.0	21.8	27.2	46.0
891.238750	25.3	189.0	V	144.0	-1.3	26.6	20.7	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
 3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

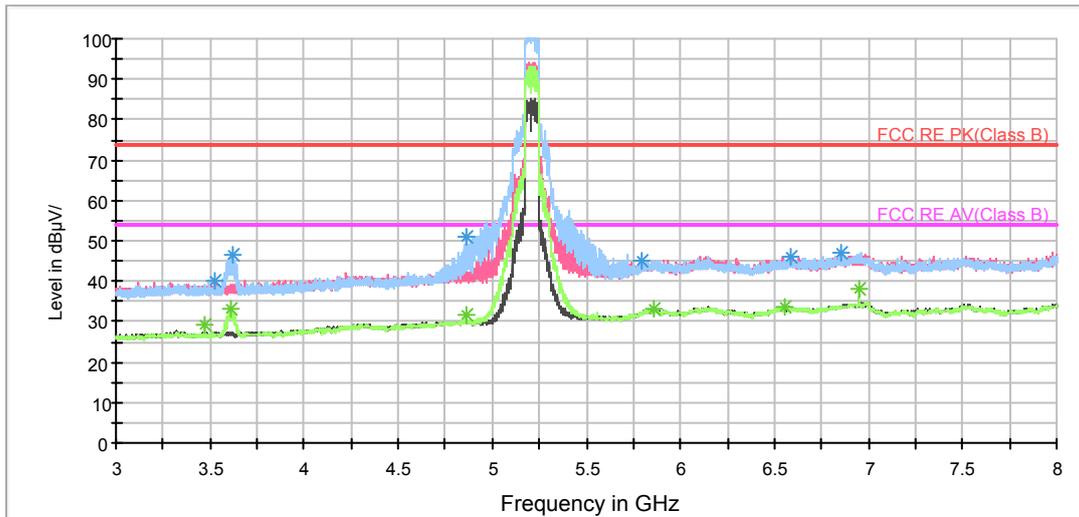
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1191.500000	42.0	205.0	V	259.0	47.2	-5.2	32.0	74
1425.000000	43.8	105.0	V	0.0	47.7	-3.9	30.2	74
1730.500000	45.2	105.0	V	133.0	47.1	-1.9	28.8	74
2042.000000	47.3	205.0	V	93.0	47.5	-0.2	26.7	74
2496.750000	49.5	205.0	V	245.0	46.5	3.0	24.5	74
2932.000000	52.0	205.0	H	162.0	47.2	4.8	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)
1181.750000	31.1	105.0	V	67.0	36.1	-5.0	22.9	54
1419.500000	32.5	205.0	V	259.0	36.4	-3.9	21.5	54
1731.750000	34.2	105.0	V	24.0	36.0	-1.8	19.8	54
2044.750000	35.6	105.0	H	289.0	35.8	-0.2	18.4	54
2456.500000	38.1	105.0	V	67.0	35.6	2.5	15.9	54
2976.750000	41.0	105.0	V	59.0	35.8	5.2	13.0	54

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

RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 3GHz to 8GHz

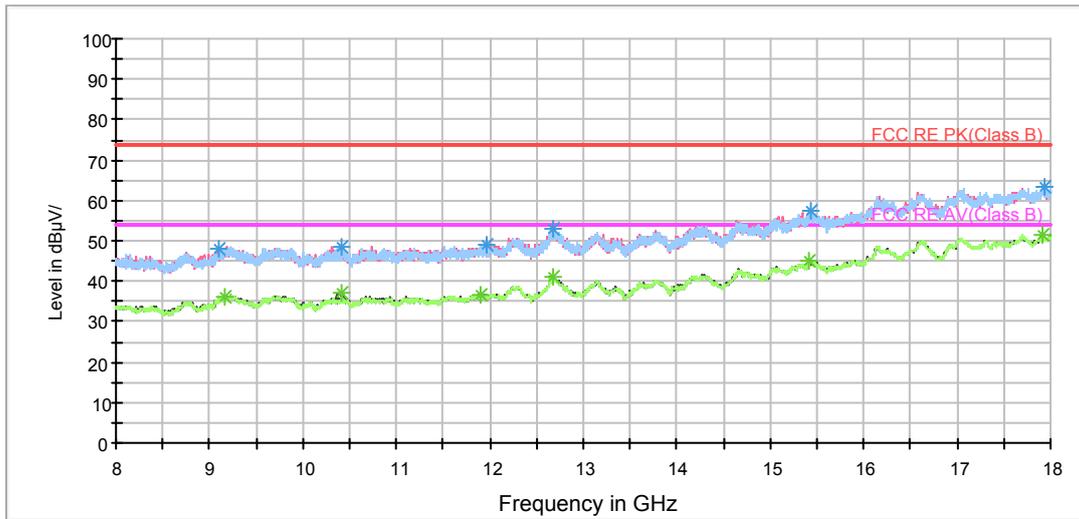
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3528.125000	40.2	105.0	V	296.0	42.2	-2.0	33.8	74
3624.375000	46.8	105.0	H	85.0	48.7	-1.9	27.2	74
4860.000000	50.8	205.0	H	128.0	49.1	1.7	23.2	74
5791.250000	45.0	105.0	H	190.0	40.9	4.1	29.0	74
6590.625000	46.1	205.0	V	149.0	40.5	5.6	27.9	74
6853.125000	47.2	205.0	V	343.0	41.3	5.9	26.8	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)
3473.125000	29.2	205.0	H	171.0	31.3	-2.1	24.8	54
3610.000000	33.4	105.0	H	85.0	35.5	-2.1	20.6	54
4858.125000	31.5	105.0	H	64.0	29.8	1.7	22.5	54
5858.750000	32.9	205.0	V	149.0	28.1	4.8	21.1	54
6558.750000	33.5	205.0	V	128.0	27.7	5.8	20.5	54
6946.875000	38.1	105.0	H	85.0	31.9	6.2	15.9	54

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

RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

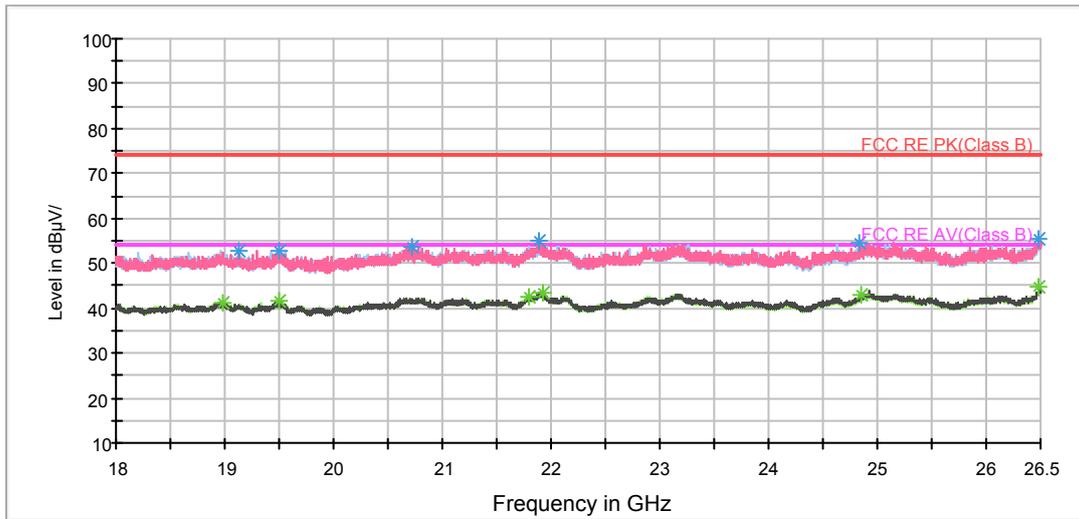
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
9103.750000	48.0	202.0	V	0.0	38.4	9.6	26.0	74
10421.250000	48.7	102.0	V	338.0	38.9	9.8	25.3	74
11963.750000	49.0	102.0	H	0.0	37.2	11.8	25.0	74
12677.500000	53.2	102.0	H	0.0	39.0	14.2	20.8	74
15431.250000	57.3	102.0	V	0.0	37.8	19.5	16.7	74
17936.250000	63.2	102.0	H	131.0	38.1	25.1	10.8	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)
9156.250000	36.1	102.0	V	90.0	25.8	10.3	17.9	54
10420.000000	37.4	102.0	V	338.0	27.6	9.8	16.6	54
11895.000000	36.8	102.0	V	0.0	24.7	12.1	17.2	54
12686.250000	41.0	202.0	V	0.0	26.8	14.2	13.0	54
15423.750000	44.9	202.0	H	320.0	25.5	19.4	9.1	54
17920.000000	51.3	202.0	H	229.0	25.5	25.8	2.7	54

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

BELL\_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

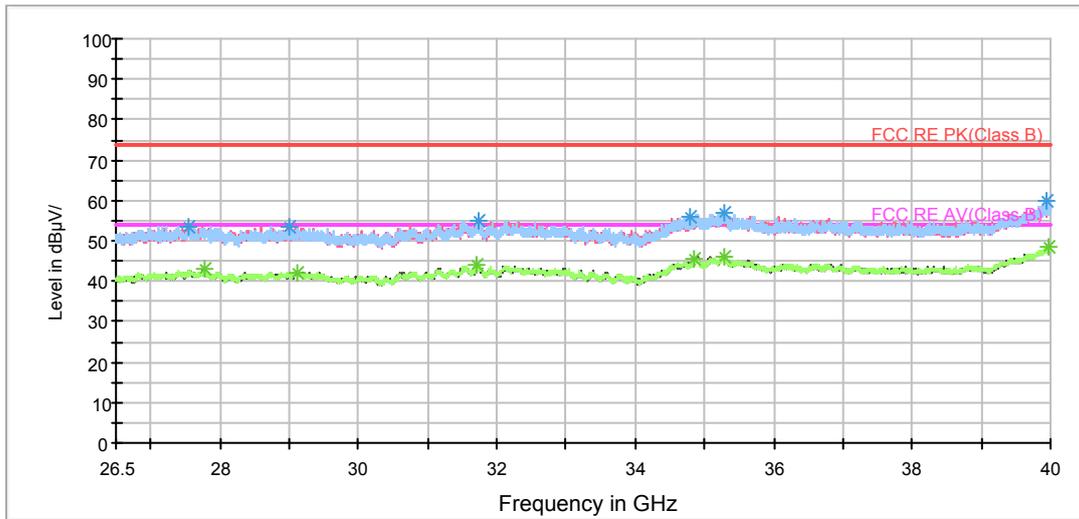
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19131.562500	53.0	V	93.0	53.5	-0.5	21.0	74
19502.375000	52.8	H	350.0	52.7	0.1	21.2	74
20726.375000	53.8	H	167.0	55.3	-1.5	20.2	74
21889.812500	55.0	H	143.0	56.6	-1.6	19.0	74
24830.812500	54.5	V	75.0	54.3	0.2	19.5	74
26483.000000	55.4	V	17.0	54.3	1.1	18.6	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18987.062500	41.3	H	251.0	41.4	-0.1	12.7	54
19498.125000	41.5	V	227.0	41.4	0.1	12.5	54
21797.375000	42.7	V	34.0	44.8	-2.1	11.3	54
21921.687500	43.6	V	51.0	45.1	-1.5	10.4	54
24844.625000	42.8	V	0.0	42.5	0.3	11.2	54
26488.312500	44.7	V	1.0	43.6	1.1	9.3	54

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

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27559.750000	53.6	V	158.0	53.2	0.4	20.4	74
28999.187500	53.7	V	148.0	53.7	0.0	20.3	74
31729.562500	55.0	H	93.0	55.3	-0.3	19.0	74
34797.437500	56.2	H	93.0	54.9	1.3	17.8	74
35283.437500	57.1	V	260.0	55.2	1.9	16.9	74
39946.000000	59.9	V	270.0	54.2	5.7	14.1	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
27782.500000	42.9	H	90.0	42.9	0.0	11.1	54
29112.250000	42.3	V	251.0	42.5	-0.2	11.7	54
31719.437500	44.0	H	90.0	44.3	-0.3	10.0	54
34861.562500	45.6	V	139.0	43.9	1.7	8.4	54
35291.875000	46.1	V	139.0	44.2	1.9	7.9	54
39983.125000	48.5	H	165.0	42.6	5.9	5.5	54

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

## 5.6. Conducted Emission

### Ambient condition

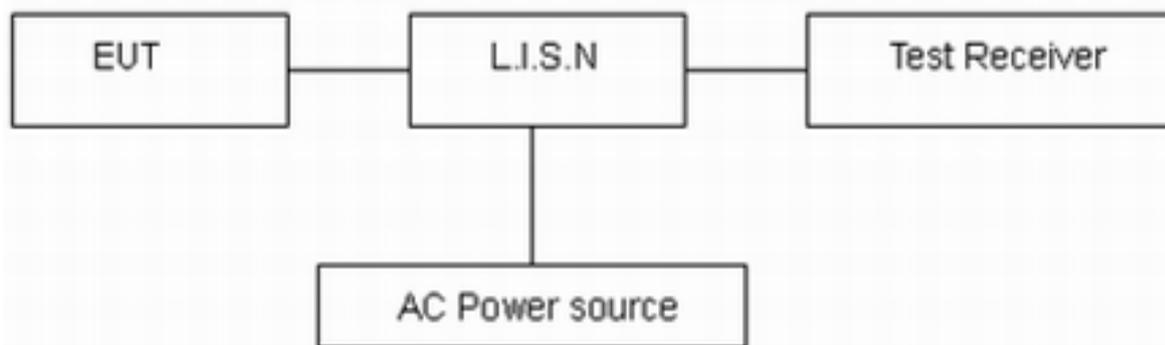
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

### 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.

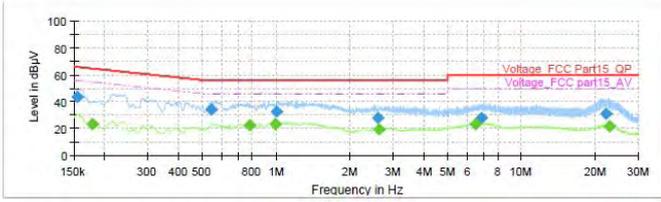


Test Results:

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

SISO Antenna 2

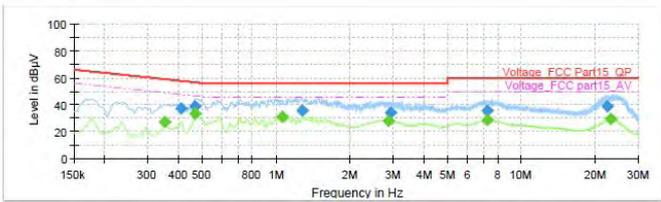
802.11a, Channel No.: 36, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154500	43.38	---	65.75	22.38	1000.0	9.000	L1	ON	19.1
0.179250	---	23.32	54.52	31.21	1000.0	9.000	L1	ON	19.2
0.546000	33.92	---	56.00	22.08	1000.0	9.000	L1	ON	19.2
0.784500	---	22.22	46.00	23.78	1000.0	9.000	L1	ON	19.2
0.993750	---	23.14	46.00	22.86	1000.0	9.000	L1	ON	19.2
1.002750	32.33	---	56.00	23.67	1000.0	9.000	L1	ON	19.2
2.586750	---	27.54	56.00	28.46	1000.0	9.000	L1	ON	19.0
2.629500	---	19.58	46.00	26.42	1000.0	9.000	L1	ON	19.0
6.481500	---	23.11	50.00	26.89	1000.0	9.000	L1	ON	19.1
6.870750	28.23	---	60.00	31.77	1000.0	9.000	L1	ON	19.2
22.193250	30.78	---	60.00	29.22	1000.0	9.000	L1	ON	19.5
22.913250	---	21.67	50.00	28.33	1000.0	9.000	L1	ON	19.6

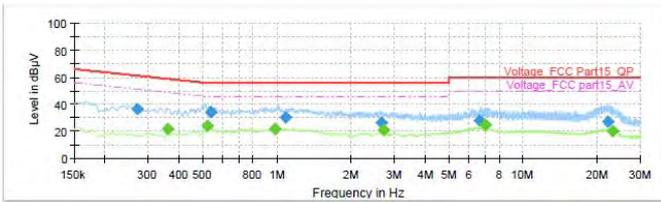
802.11a, Channel No.: 36, N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.352500	---	27.33	48.90	21.57	1000.0	9.000	N	ON	19.2
0.411000	37.36	---	57.63	20.27	1000.0	9.000	N	ON	19.2
0.465000	38.79	---	56.60	17.81	1000.0	9.000	N	ON	19.2
0.469500	---	33.53	46.52	12.99	1000.0	9.000	N	ON	19.2
1.054500	---	30.74	46.00	15.26	1000.0	9.000	N	ON	19.2
1.270500	35.93	---	56.00	20.07	1000.0	9.000	N	ON	19.2
2.877000	---	28.15	46.00	17.85	1000.0	9.000	N	ON	19.1
2.942250	34.19	---	56.00	21.81	1000.0	9.000	N	ON	19.1
7.275750	---	28.30	50.00	21.70	1000.0	9.000	N	ON	19.2
7.284750	35.90	---	60.00	24.10	1000.0	9.000	N	ON	19.2
22.350750	38.87	---	60.00	21.13	1000.0	9.000	N	ON	19.4
23.111250	---	29.08	50.00	20.92	1000.0	9.000	N	ON	19.5

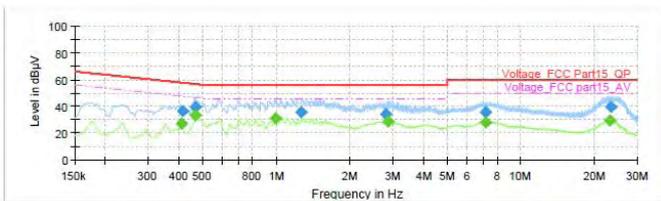
802.11a, Channel No.: 40, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.269250	36.64	---	61.14	24.51	1000.0	9.000	L1	ON	19.1
0.359250	---	21.74	48.75	27.01	1000.0	9.000	L1	ON	19.2
0.523500	---	23.92	46.00	22.08	1000.0	9.000	L1	ON	19.2
0.537000	33.89	---	56.00	22.11	1000.0	9.000	L1	ON	19.2
0.980250	---	21.85	46.00	24.15	1000.0	9.000	L1	ON	19.2
1.081500	30.46	---	56.00	25.54	1000.0	9.000	L1	ON	19.2
2.658500	26.35	---	56.00	29.65	1000.0	9.000	L1	ON	19.0
2.721750	---	20.69	46.00	25.31	1000.0	9.000	L1	ON	19.0
6.818750	27.61	---	60.00	32.39	1000.0	9.000	L1	ON	19.1
6.985500	---	24.80	50.00	25.20	1000.0	9.000	L1	ON	19.2
22.060500	27.33	---	60.00	32.67	1000.0	9.000	L1	ON	19.5
22.987500	---	20.08	50.00	29.92	1000.0	9.000	L1	ON	19.6

802.11a, Channel No.: 40, N Line

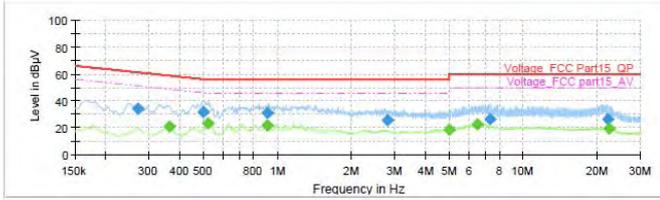


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.411000	---	27.26	47.63	20.37	1000.0	9.000	N	ON	19.2
0.413250	36.60	---	57.58	20.98	1000.0	9.000	N	ON	19.2
0.467250	39.85	---	56.56	16.72	1000.0	9.000	N	ON	19.2
0.469500	---	33.51	46.52	13.01	1000.0	9.000	N	ON	19.2
0.989250	---	30.66	46.00	15.34	1000.0	9.000	N	ON	19.2
1.266000	35.96	---	56.00	20.04	1000.0	9.000	N	ON	19.2
2.807250	33.95	---	56.00	22.05	1000.0	9.000	N	ON	19.0
2.854500	---	28.41	46.00	17.59	1000.0	9.000	N	ON	19.0
7.163250	35.76	---	60.00	24.24	1000.0	9.000	N	ON	19.2
7.185750	---	27.78	50.00	22.22	1000.0	9.000	N	ON	19.2
23.084250	---	29.18	50.00	20.82	1000.0	9.000	N	ON	19.5
23.439750	39.41	---	60.00	20.59	1000.0	9.000	N	ON	19.6



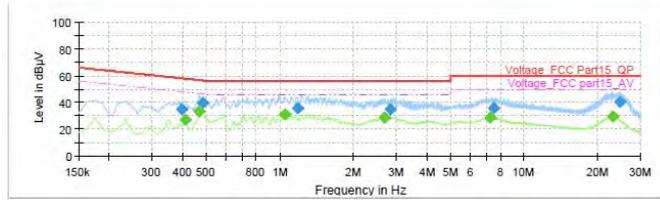
802.11a, Channel No.: 48, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.269250	34.49	---	61.14	26.65	1000.0	9.000	L1	ON	19.1
0.361500	---	21.15	48.69	27.54	1000.0	9.000	L1	ON	19.2
0.501000	31.55	---	56.00	24.45	1000.0	9.000	L1	ON	19.2
0.521250	---	23.28	46.00	22.72	1000.0	9.000	L1	ON	19.2
0.910500	---	21.79	46.00	24.21	1000.0	9.000	L1	ON	19.2
0.912750	31.09	---	56.00	24.91	1000.0	9.000	L1	ON	19.2
2.809500	25.66	---	56.00	30.34	1000.0	9.000	L1	ON	19.0
5.003250	---	18.78	50.00	31.22	1000.0	9.000	L1	ON	19.1
6.522000	---	22.41	50.00	27.59	1000.0	9.000	L1	ON	19.1
7.305000	26.40	---	60.00	33.60	1000.0	9.000	L1	ON	19.2
21.981750	26.52	---	60.00	33.48	1000.0	9.000	L1	ON	19.5
22.395750	---	19.41	50.00	30.59	1000.0	9.000	L1	ON	19.5

802.11a, Channel No.: 48, N Line

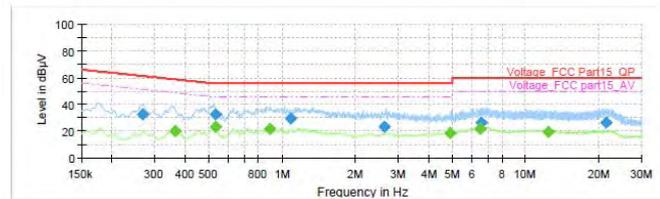


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.397500	35.06	---	57.91	22.84	1000.0	9.000	N	ON	19.2
0.408750	---	27.38	47.67	20.29	1000.0	9.000	N	ON	19.2
0.469500	---	33.43	46.52	13.09	1000.0	9.000	N	ON	19.2
0.483000	39.37	---	56.29	16.92	1000.0	9.000	N	ON	19.2
1.052250	---	30.65	46.00	15.35	1000.0	9.000	N	ON	19.2
1.187250	35.96	---	56.00	20.04	1000.0	9.000	N	ON	19.2
2.685750	---	28.49	46.00	17.51	1000.0	9.000	N	ON	19.0
2.838750	34.94	---	56.00	21.06	1000.0	9.000	N	ON	19.0
7.257750	---	28.37	50.00	21.63	1000.0	9.000	N	ON	19.2
7.505250	35.86	---	60.00	24.14	1000.0	9.000	N	ON	19.2
23.005500	---	29.25	50.00	20.75	1000.0	9.000	N	ON	19.5
24.576000	40.04	---	60.00	19.96	1000.0	9.000	N	ON	19.6

MIMO

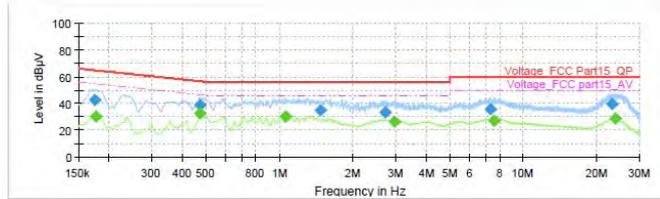
802.11n (HT20) , Channel No.: 36, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.267000	32.50	---	61.21	28.71	1000.0	9.000	L1	ON	19.1
0.361500	---	20.11	48.69	28.58	1000.0	9.000	L1	ON	19.2
0.530250	---	22.94	46.00	23.06	1000.0	9.000	L1	ON	19.2
0.530250	32.70	---	56.00	23.30	1000.0	9.000	L1	ON	19.2
0.892500	---	21.55	46.00	24.46	1000.0	9.000	L1	ON	19.2
1.088250	29.11	---	56.00	26.89	1000.0	9.000	L1	ON	19.2
2.625000	23.57	---	56.00	32.43	1000.0	9.000	L1	ON	19.0
4.915500	---	18.48	46.00	27.52	1000.0	9.000	L1	ON	19.1
6.481500	---	21.74	50.00	28.26	1000.0	9.000	L1	ON	19.1
6.551250	26.52	---	60.00	33.48	1000.0	9.000	L1	ON	19.1
12.421500	---	19.14	50.00	30.86	1000.0	9.000	L1	ON	19.4
21.381000	26.52	---	60.00	33.48	1000.0	9.000	L1	ON	19.6

802.11n (HT20) , Channel No.: 36, N Line

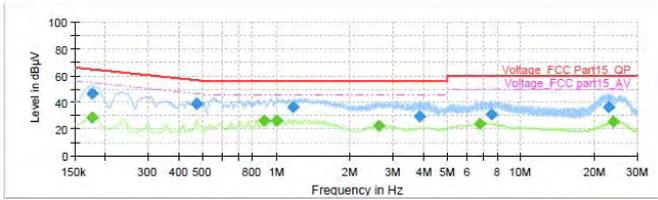


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.174750	42.56	---	64.73	22.18	1000.0	9.000	N	ON	19.2
0.177000	---	30.09	54.63	24.54	1000.0	9.000	N	ON	19.2
0.471750	39.01	---	56.48	17.47	1000.0	9.000	N	ON	19.2
0.474000	---	32.50	46.44	13.94	1000.0	9.000	N	ON	19.2
1.063500	---	29.98	46.00	16.02	1000.0	9.000	N	ON	19.2
1.473000	34.51	---	56.00	21.49	1000.0	9.000	N	ON	19.2
2.719500	33.67	---	56.00	22.33	1000.0	9.000	N	ON	19.0
2.967000	---	26.69	46.00	19.31	1000.0	9.000	N	ON	19.1
7.320750	35.68	---	60.00	24.32	1000.0	9.000	N	ON	19.2
7.577250	---	27.32	50.00	22.68	1000.0	9.000	N	ON	19.2
23.003250	39.35	---	60.00	20.65	1000.0	9.000	N	ON	19.5
23.862750	---	28.44	50.00	21.56	1000.0	9.000	N	ON	19.6



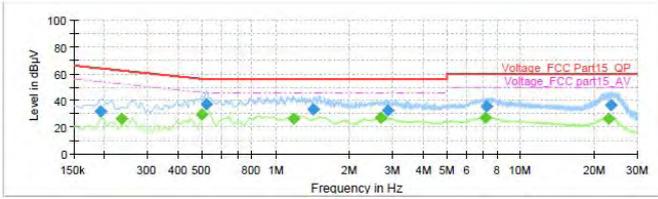
802.11n (HT20) , Channel No.: 40, L Line



Final Result

Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 15 rows of test data.

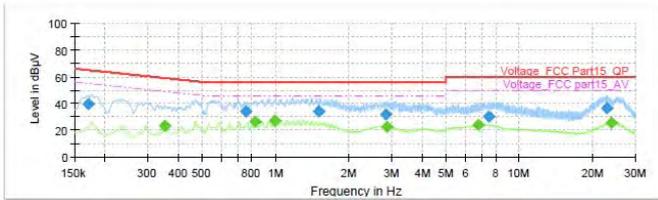
802.11n (HT20) , Channel No.: 40, N Line



Final Result

Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 15 rows of test data.

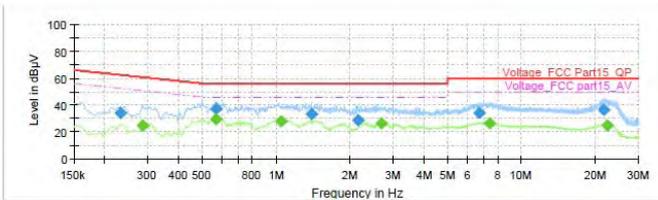
802.11n (HT20) , Channel No.: 48, L Line



Final Result

Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 15 rows of test data.

802.11n (HT20) , Channel No.: 48, N Line

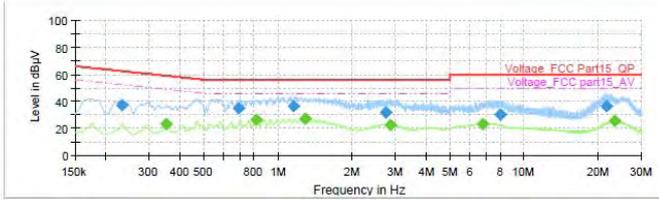


Final Result

Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 15 rows of test data.



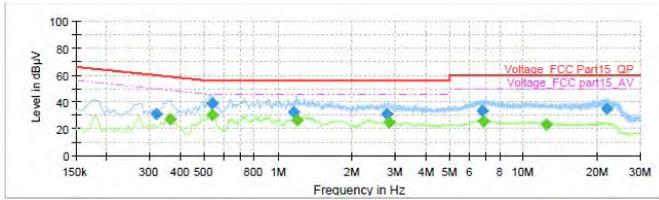
802.11n (HT40) , Channel No.: 38, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.233250	37.16	---	62.33	25.18	1000.0	9.000	L1	ON	19.1
0.350250	---	23.01	48.96	25.94	1000.0	9.000	L1	ON	19.2
0.694500	35.07	---	56.00	20.93	1000.0	9.000	L1	ON	19.3
0.818250	---	26.24	46.00	19.76	1000.0	9.000	L1	ON	19.2
1.160250	36.22	---	56.00	19.78	1000.0	9.000	L1	ON	19.2
1.295250	---	26.86	46.00	19.14	1000.0	9.000	L1	ON	19.2
2.733000	31.88	---	56.00	24.12	1000.0	9.000	L1	ON	19.0
2.856750	---	22.85	46.00	23.15	1000.0	9.000	L1	ON	19.0
6.771750	---	23.57	50.00	26.43	1000.0	9.000	L1	ON	19.1
8.038500	30.32	---	60.00	29.68	1000.0	9.000	L1	ON	19.2
21.585750	36.14	---	60.00	23.86	1000.0	9.000	L1	ON	19.6
23.453250	---	25.29	50.00	24.71	1000.0	9.000	L1	ON	19.7

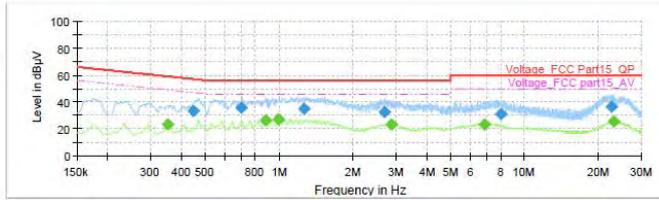
802.11n (HT40) , Channel No.: 38, N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	30.71	---	59.74	29.03	1000.0	9.000	N	ON	19.2
0.361500	---	26.84	48.69	21.85	1000.0	9.000	N	ON	19.2
0.537000	38.61	---	56.00	17.39	1000.0	9.000	N	ON	19.2
0.539250	---	30.54	46.00	15.46	1000.0	9.000	N	ON	19.2
1.162500	32.93	---	56.00	23.07	1000.0	9.000	N	ON	19.2
1.191750	---	26.56	46.00	19.44	1000.0	9.000	N	ON	19.2
2.780250	30.83	---	56.00	25.17	1000.0	9.000	N	ON	19.0
2.836500	---	24.82	46.00	21.18	1000.0	9.000	N	ON	19.0
6.805500	33.44	---	60.00	26.56	1000.0	9.000	N	ON	19.1
6.828000	---	25.77	50.00	24.23	1000.0	9.000	N	ON	19.1
12.435000	---	23.58	50.00	26.42	1000.0	9.000	N	ON	19.4
21.770250	34.97	---	60.00	25.04	1000.0	9.000	N	ON	19.4

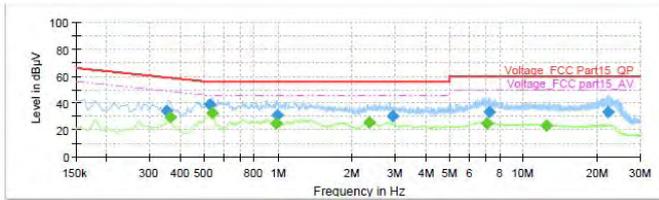
802.11n (HT40) , Channel No.: 46, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350250	---	23.05	48.96	25.90	1000.0	9.000	L1	ON	19.2
0.449250	33.15	---	56.89	23.73	1000.0	9.000	L1	ON	19.2
0.699000	36.04	---	56.00	19.96	1000.0	9.000	L1	ON	19.3
0.876750	---	26.23	46.00	19.77	1000.0	9.000	L1	ON	19.2
0.991500	---	26.81	46.00	19.19	1000.0	9.000	L1	ON	19.2
1.263750	35.20	---	56.00	20.80	1000.0	9.000	L1	ON	19.2
2.679000	32.29	---	56.00	23.71	1000.0	9.000	L1	ON	19.0
2.854500	---	22.94	46.00	23.06	1000.0	9.000	L1	ON	19.0
6.877500	---	23.62	50.00	26.38	1000.0	9.000	L1	ON	19.2
7.995750	31.04	---	60.00	28.96	1000.0	9.000	L1	ON	19.2
22.665750	36.14	---	60.00	23.86	1000.0	9.000	L1	ON	19.5
23.185500	---	25.31	50.00	24.69	1000.0	9.000	L1	ON	19.6

802.11n (HT40) , Channel No.: 46, N Line

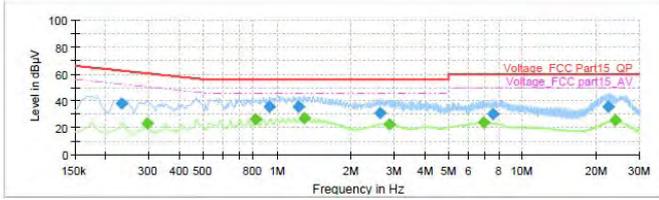


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350250	33.92	---	58.96	25.04	1000.0	9.000	N	ON	19.2
0.361500	---	29.46	48.69	19.23	1000.0	9.000	N	ON	19.2
0.525750	38.40	---	56.00	17.60	1000.0	9.000	N	ON	19.2
0.537000	---	32.62	46.00	13.38	1000.0	9.000	N	ON	19.2
0.978000	---	25.02	46.00	20.98	1000.0	9.000	N	ON	19.2
0.998250	31.24	---	56.00	24.76	1000.0	9.000	N	ON	19.2
2.341500	---	25.28	46.00	20.72	1000.0	9.000	N	ON	19.0
2.926500	30.03	---	56.00	25.97	1000.0	9.000	N	ON	19.1
7.071000	---	25.09	50.00	24.91	1000.0	9.000	N	ON	19.2
7.253250	33.03	---	60.00	26.97	1000.0	9.000	N	ON	19.2
12.363000	---	23.23	50.00	26.77	1000.0	9.000	N	ON	19.4
22.116750	33.36	---	60.00	26.64	1000.0	9.000	N	ON	19.4



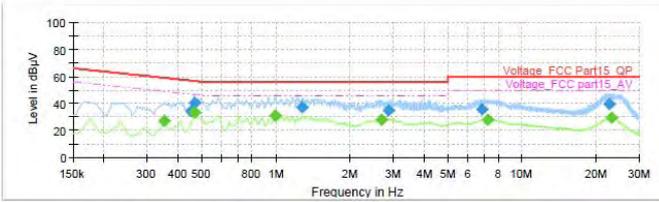
802.11ac (HT20) , Channel No.: 36, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.233250	37.80	---	62.33	24.54	1000.0	9.000	L1	ON	19.1
0.294000	---	22.95	50.41	27.46	1000.0	9.000	L1	ON	19.2
0.818250	---	26.42	46.00	19.58	1000.0	9.000	L1	ON	19.2
0.933000	35.73	---	56.00	20.27	1000.0	9.000	L1	ON	19.2
1.221000	35.93	---	56.00	20.07	1000.0	9.000	L1	ON	19.2
1.290750	---	26.82	46.00	19.18	1000.0	9.000	L1	ON	19.2
2.611500	31.33	---	56.00	24.67	1000.0	9.000	L1	ON	19.0
2.872500	---	22.52	46.00	23.48	1000.0	9.000	L1	ON	19.1
6.940500	---	23.84	50.00	26.16	1000.0	9.000	L1	ON	19.2
7.588500	30.59	---	60.00	29.41	1000.0	9.000	L1	ON	19.2
22.326000	35.93	---	60.00	24.07	1000.0	9.000	L1	ON	19.5
23.795250	---	25.36	50.00	24.64	1000.0	9.000	L1	ON	19.7

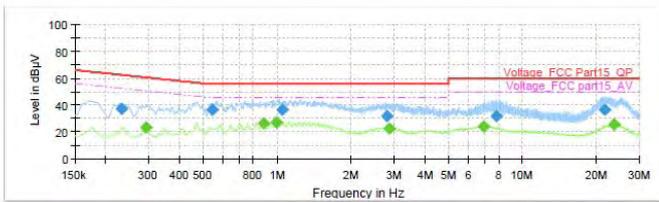
802.11ac (HT20) , Channel No.: 36, N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350250	---	27.26	48.96	21.70	1000.0	9.000	N	ON	19.2
0.451500	34.03	---	56.85	22.82	1000.0	9.000	N	ON	19.2
0.467250	---	33.37	46.56	13.19	1000.0	9.000	N	ON	19.2
0.467250	40.01	---	56.56	16.55	1000.0	9.000	N	ON	19.2
0.996000	---	30.77	46.00	15.23	1000.0	9.000	N	ON	19.2
1.277250	37.00	---	56.00	19.00	1000.0	9.000	N	ON	19.2
2.679000	---	28.26	46.00	17.74	1000.0	9.000	N	ON	19.0
2.850000	35.08	---	56.00	20.92	1000.0	9.000	N	ON	19.0
6.859500	35.82	---	60.00	24.18	1000.0	9.000	N	ON	19.2
7.248750	---	28.15	50.00	21.85	1000.0	9.000	N	ON	19.2
22.663500	39.32	---	60.00	20.68	1000.0	9.000	N	ON	19.5
23.140500	---	29.20	50.00	20.80	1000.0	9.000	N	ON	19.5

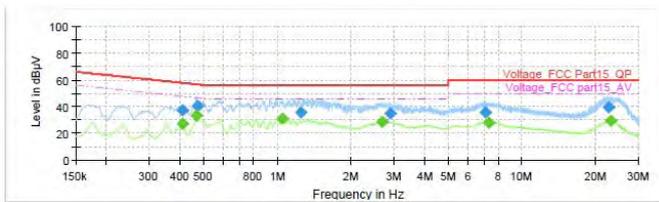
802.11ac (HT20) , Channel No.: 40, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.233250	37.49	---	62.33	24.84	1000.0	9.000	L1	ON	19.1
0.291750	---	22.96	50.47	27.52	1000.0	9.000	L1	ON	19.2
0.543750	---	36.73	56.00	19.27	1000.0	9.000	L1	ON	19.2
0.879000	---	26.19	46.00	19.81	1000.0	9.000	L1	ON	19.2
0.996000	---	26.89	46.00	19.11	1000.0	9.000	L1	ON	19.2
1.045500	36.44	---	56.00	19.56	1000.0	9.000	L1	ON	19.2
2.805000	31.73	---	56.00	24.27	1000.0	9.000	L1	ON	19.0
2.874750	---	22.63	46.00	23.37	1000.0	9.000	L1	ON	19.1
6.942750	---	23.76	50.00	26.24	1000.0	9.000	L1	ON	19.2
7.784250	31.44	---	60.00	28.56	1000.0	9.000	L1	ON	19.2
21.549750	36.15	---	60.00	23.85	1000.0	9.000	L1	ON	19.6
23.568000	---	25.22	50.00	24.78	1000.0	9.000	L1	ON	19.7

802.11ac (HT20) , Channel No.: 40, N Line

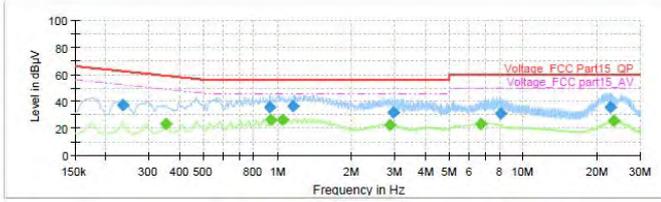


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	27.30	47.67	20.37	1000.0	9.000	N	ON	19.2
0.411000	37.11	---	57.63	20.52	1000.0	9.000	N	ON	19.2
0.469500	---	33.26	46.52	13.26	1000.0	9.000	N	ON	19.2
0.471750	40.17	---	56.48	16.31	1000.0	9.000	N	ON	19.2
1.047750	---	30.77	46.00	15.23	1000.0	9.000	N	ON	19.2
1.250250	35.88	---	56.00	20.12	1000.0	9.000	N	ON	19.2
2.683500	---	28.39	46.00	17.61	1000.0	9.000	N	ON	19.0
2.910750	34.93	---	56.00	21.07	1000.0	9.000	N	ON	19.1
7.055250	35.72	---	60.00	24.28	1000.0	9.000	N	ON	19.2
7.314000	---	28.16	50.00	21.84	1000.0	9.000	N	ON	19.2
22.501500	39.29	---	60.00	20.71	1000.0	9.000	N	ON	19.4
23.041500	---	29.19	50.00	20.81	1000.0	9.000	N	ON	19.5



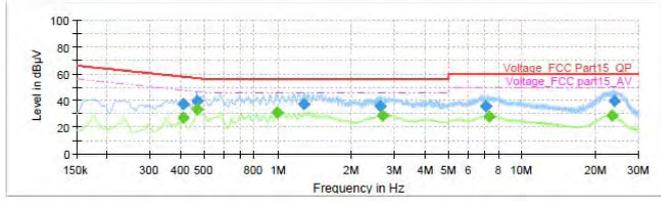
802.11ac (HT20) , Channel No.: 48, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.235500	37.26	---	62.25	24.99	1000.0	9.000	L1	ON	19.1
0.350250	---	23.02	48.96	25.93	1000.0	9.000	L1	ON	19.2
0.928500	35.63	---	56.00	20.37	1000.0	9.000	L1	ON	19.2
0.935250	---	26.42	46.00	19.58	1000.0	9.000	L1	ON	19.2
1.050000	---	26.62	46.00	19.38	1000.0	9.000	L1	ON	19.2
1.160250	36.18	---	56.00	19.82	1000.0	9.000	L1	ON	19.2
2.872500	---	22.71	46.00	23.29	1000.0	9.000	L1	ON	19.1
2.964750	32.15	---	56.00	23.85	1000.0	9.000	L1	ON	19.1
6.686250	---	23.57	50.00	26.43	1000.0	9.000	L1	ON	19.1
8.070000	31.30	---	60.00	28.70	1000.0	9.000	L1	ON	19.2
22.519500	35.88	---	60.00	24.12	1000.0	9.000	L1	ON	19.5
23.406000	---	25.36	50.00	24.64	1000.0	9.000	L1	ON	19.7

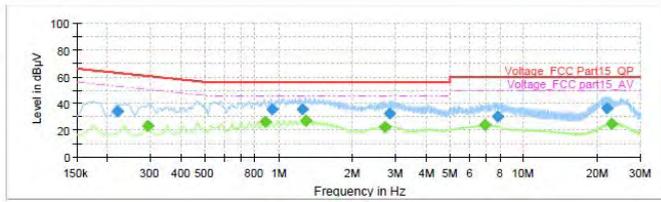
802.11ac (HT20) , Channel No.: 48, N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	27.34	47.67	20.33	1000.0	9.000	N	ON	19.2
0.411000	37.05	---	57.63	20.58	1000.0	9.000	N	ON	19.2
0.465000	39.69	---	56.60	16.92	1000.0	9.000	N	ON	19.2
0.469500	---	33.25	46.52	13.28	1000.0	9.000	N	ON	19.2
0.993750	---	30.68	46.00	15.32	1000.0	9.000	N	ON	19.2
1.279500	37.03	---	56.00	18.97	1000.0	9.000	N	ON	19.2
2.631750	35.39	---	56.00	20.61	1000.0	9.000	N	ON	19.0
2.681250	---	28.49	46.00	17.51	1000.0	9.000	N	ON	19.0
7.119250	36.00	---	60.00	24.00	1000.0	9.000	N	ON	19.2
7.298250	---	28.08	50.00	21.92	1000.0	9.000	N	ON	19.2
23.325000	---	29.06	50.00	20.94	1000.0	9.000	N	ON	19.6
23.815500	39.65	---	60.00	20.35	1000.0	9.000	N	ON	19.6

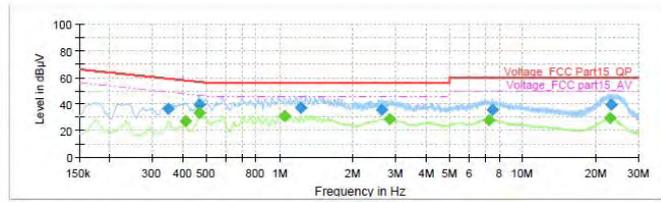
802.11ac (HT40) , Channel No.: 38, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.219750	33.85	---	62.83	28.98	1000.0	9.000	L1	ON	19.1
0.291750	---	23.01	50.47	27.47	1000.0	9.000	L1	ON	19.2
0.879000	---	26.25	46.00	19.75	1000.0	9.000	L1	ON	19.2
0.937500	35.94	---	56.00	20.06	1000.0	9.000	L1	ON	19.2
1.250250	35.52	---	56.00	20.48	1000.0	9.000	L1	ON	19.2
1.288500	---	26.92	46.00	19.08	1000.0	9.000	L1	ON	19.2
2.699250	---	22.70	46.00	23.30	1000.0	9.000	L1	ON	19.0
2.845500	32.77	---	56.00	23.23	1000.0	9.000	L1	ON	19.0
6.974250	---	23.74	50.00	26.26	1000.0	9.000	L1	ON	19.2
7.800000	30.53	---	60.00	29.47	1000.0	9.000	L1	ON	19.2
21.813000	36.18	---	60.00	23.82	1000.0	9.000	L1	ON	19.5
22.904250	---	25.16	50.00	24.84	1000.0	9.000	L1	ON	19.6

802.11ac (HT40) , Channel No.: 38, N Line

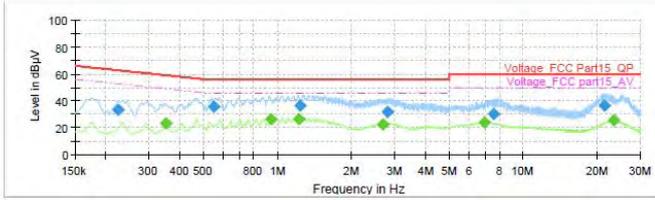


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.348000	36.19	---	59.01	22.82	1000.0	9.000	N	ON	19.2
0.408750	---	27.27	47.67	20.41	1000.0	9.000	N	ON	19.2
0.465000	39.71	---	56.60	16.90	1000.0	9.000	N	ON	19.2
0.467250	---	33.25	46.56	13.32	1000.0	9.000	N	ON	19.2
1.047750	---	30.63	46.00	15.37	1000.0	9.000	N	ON	19.2
1.223250	36.90	---	56.00	19.10	1000.0	9.000	N	ON	19.2
2.634000	35.32	---	56.00	20.68	1000.0	9.000	N	ON	19.0
2.847750	---	28.41	46.00	17.59	1000.0	9.000	N	ON	19.0
7.233000	---	28.04	50.00	21.96	1000.0	9.000	N	ON	19.2
7.462500	35.74	---	60.00	24.26	1000.0	9.000	N	ON	19.2
22.944750	---	29.28	50.00	20.72	1000.0	9.000	N	ON	19.5
23.005500	39.32	---	60.00	20.68	1000.0	9.000	N	ON	19.5



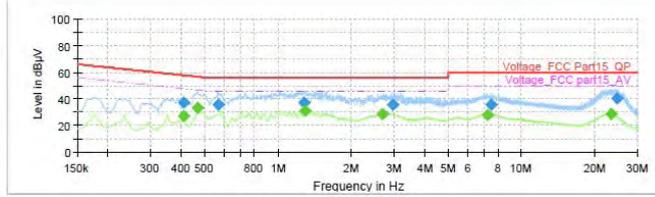
802.11ac (HT40) , Channel No.: 46, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.224250	33.57	---	62.66	29.09	1000.0	9.000	L1	ON	19.1
0.350250	---	23.07	48.96	25.89	1000.0	9.000	L1	ON	19.2
0.552750	35.46	---	56.00	20.54	1000.0	9.000	L1	ON	19.3
0.935250	---	26.49	46.00	19.51	1000.0	9.000	L1	ON	19.2
1.225500	---	26.70	46.00	19.30	1000.0	9.000	L1	ON	19.2
1.241250	36.11	---	56.00	19.89	1000.0	9.000	L1	ON	19.2
2.676750	---	22.75	46.00	23.25	1000.0	9.000	L1	ON	19.0
2.800500	31.76	---	56.00	24.24	1000.0	9.000	L1	ON	19.0
6.929250	---	23.89	50.00	26.11	1000.0	9.000	L1	ON	19.2
7.552500	30.47	---	60.00	29.53	1000.0	9.000	L1	ON	19.2
21.412500	36.33	---	60.00	23.67	1000.0	9.000	L1	ON	19.6
23.388000	---	25.23	50.00	24.77	1000.0	9.000	L1	ON	19.7

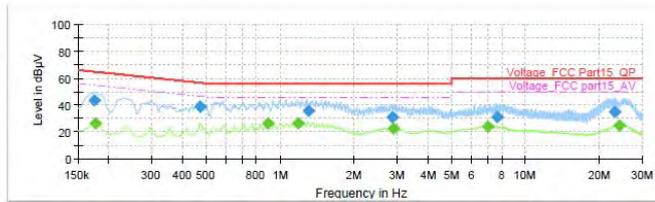
802.11ac (HT40) , Channel No.: 46, N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	27.27	47.67	20.40	1000.0	9.000	N	ON	19.2
0.408750	37.10	---	57.67	20.57	1000.0	9.000	N	ON	19.2
0.468500	---	33.22	46.52	13.31	1000.0	9.000	N	ON	19.2
0.568500	35.70	---	56.00	20.30	1000.0	9.000	N	ON	19.3
1.275000	37.34	---	56.00	18.66	1000.0	9.000	N	ON	19.2
1.293000	---	30.96	46.00	15.04	1000.0	9.000	N	ON	19.2
2.672250	---	28.36	46.00	17.64	1000.0	9.000	N	ON	19.0
2.960250	35.39	---	56.00	20.61	1000.0	9.000	N	ON	19.1
7.253250	---	28.21	50.00	21.79	1000.0	9.000	N	ON	19.2
7.509750	35.96	---	60.00	24.04	1000.0	9.000	N	ON	19.2
23.421750	28.86	---	50.00	21.14	1000.0	9.000	N	ON	19.6
24.551250	39.98	---	60.00	20.02	1000.0	9.000	N	ON	19.6

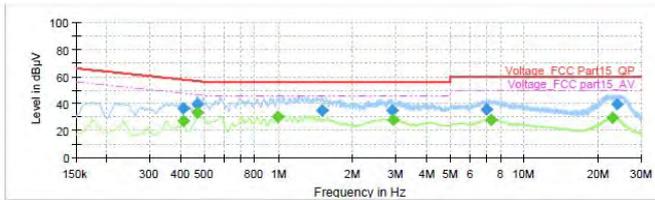
802.11ac HT80, Channel No.: 42, L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.174750	43.64	---	64.73	21.09	1000.0	9.000	L1	ON	19.2
0.177000	---	26.56	54.63	28.07	1000.0	9.000	L1	ON	19.2
0.471750	38.80	---	56.48	17.69	1000.0	9.000	L1	ON	19.2
0.885750	---	26.04	46.00	19.96	1000.0	9.000	L1	ON	19.2
1.178250	---	26.63	46.00	19.37	1000.0	9.000	L1	ON	19.2
1.299750	36.03	---	56.00	19.97	1000.0	9.000	L1	ON	19.2
2.879250	30.99	---	56.00	25.01	1000.0	9.000	L1	ON	19.1
2.899500	---	22.45	46.00	23.55	1000.0	9.000	L1	ON	19.1
6.983250	---	23.67	50.00	26.33	1000.0	9.000	L1	ON	19.2
7.687500	30.62	---	60.00	29.38	1000.0	9.000	L1	ON	19.2
23.082000	35.11	---	60.00	24.89	1000.0	9.000	L1	ON	19.6
24.141750	---	25.11	50.00	24.89	1000.0	9.000	L1	ON	19.7

802.11ac HT80, Channel No.: 42, N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	26.96	47.67	20.72	1000.0	9.000	N	ON	19.2
0.411000	36.68	---	57.63	20.95	1000.0	9.000	N	ON	19.2
0.467250	---	32.98	46.56	13.59	1000.0	9.000	N	ON	19.2
0.467250	39.82	---	56.56	16.74	1000.0	9.000	N	ON	19.2
0.993750	---	30.51	46.00	15.49	1000.0	9.000	N	ON	19.2
1.502250	34.84	---	56.00	21.16	1000.0	9.000	N	ON	19.2
2.881500	34.61	---	56.00	21.39	1000.0	9.000	N	ON	19.1
2.913000	---	28.19	46.00	17.81	1000.0	9.000	N	ON	19.1
7.014750	35.81	---	60.00	24.19	1000.0	9.000	N	ON	19.2
7.296000	---	28.10	50.00	21.90	1000.0	9.000	N	ON	19.2
22.861500	---	29.12	50.00	20.88	1000.0	9.000	N	ON	19.5
23.975250	39.90	---	60.00	20.10	1000.0	9.000	N	ON	19.6



## 6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	R&S	FSV30	100815	2016-12-16	2017-12-15
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
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	2017-04-03	2017-07-02

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

# ANNEX A: EUT Appearance and Test Setup

## A.1 EUT Appearance



Front Side



Back Side

a: EUT



b: Adapter



c: Battery



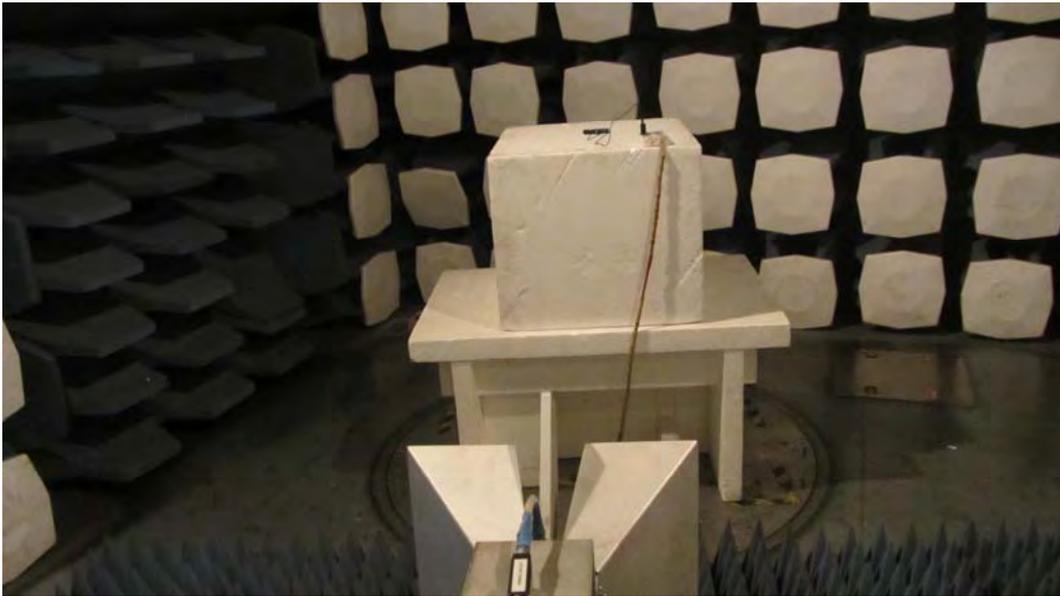
d: USB Cable

Picture 1 EUT and Accessory

## A.2 Test Setup

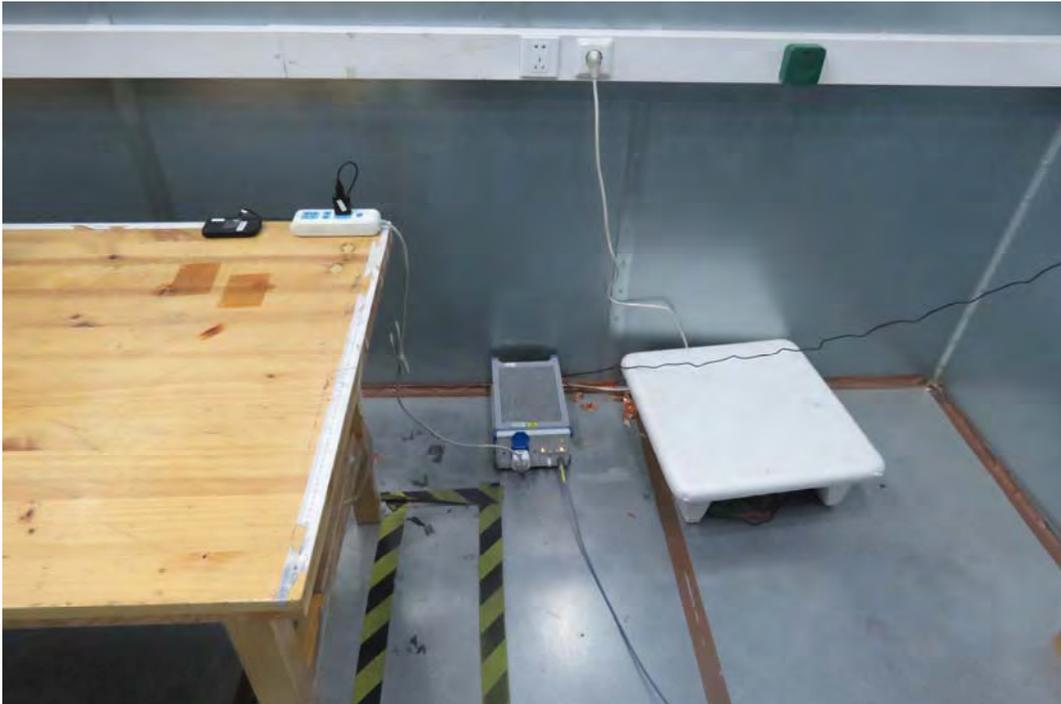


30MHz-1GHz



Above 1GHz

**Picture 2 Radiated Emission Test Setup**



Picture 3 Conducted Emission Test Setup