中国认可
国际互认
检测
TESTING
CNAS L2264

RF TEST REPORT

Applicant	ZTE CORPORATION
FCC ID	SRQ-ZTEBLADEA520
Product	LTE/WCDMA/GSM (GPRS) Multi-Mode Digital Mobile Phone
Brand	ZTE
Model	ZTE BLADE A520; BLADE A520
Report No.	RXA1612-0277RF04R1
Issue Date	January 18, 2017

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (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*

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

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Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Maximum Average conducted output power	15.247(b)(3)	PASS
2	6 dB bandwidth	15.247(a)(2)	PASS
3	Maximum power spectral density	15.247(e)	PASS
4	Band Edge	15.247(d)	PASS
5	Spurious RF Conducted Emissions	15.247(d)	PASS
6	Radiated Emissions in restricted frequency bands	15.247(d),15.205,15.209	PASS
7	Radiated Emissions	15.247(d),15.205,15.209	PASS
8	Conducted Emissions	15.207	PASS
Date of Testing: December 12, 2016 ~ December 25, 2016			

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1. Test Laboratory

1.1. Notes of the test report

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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-766)

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.

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1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City:	Shanghai
Post code:	201201
Country:	P. R. China
Contact:	Xu Kai
Telephone:	+86-021-50791141/2/3
Fax:	+86-021-50791141/2/3-8000
Website:	http://www.ta-shanghai.com
E-mail:	xukai@ta-shanghai.com

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2. General Description of Equipment under Test

Client Information

Applicant	ZTE CORPORATION
Applicant address	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District Shenzhen, Guangdong, 518057, P.R. China
Manufacturer	ZTE CORPORATION
Manufacturer address	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District Shenzhen, Guangdong, 518057, P.R. China

General information

EUT Description	
Model:	ZTE BLADE A520; BLADE A520
IMEI:	862974030021581
Hardware Version:	u3gA
Software Version:	ZTE_BLADE_A520V1.0.0B01
Power Supply:	Battery/AC adapter
Antenna Type:	Internal Antenna
Antenna Connector:	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Antenna Gain:	1.06 dBi
Directional Gain:	0dBi
additional beamforming gain:	0 dB
Test Mode:	Bluetooth (Low Energy) 802.11b 802.11g, 802.11n HT20;
Modulation Type:	BLE :GFSK 802.11b: DSSS; 802.11g/n HT20: OFDM
Max. Conducted Power	BLE : 3.637 dBm WiFi: 12.15 dBm
Operating Frequency Range(s)	2400 ~ 2483.5 MHz
EUT Accessory	
Battery	Model: Li3824T44P4h716043
Adapter	Manufacturer: AOHAI Model: STC-A51A-Z

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Earphone	Manufacturer: FDC Model: DEM-53
USB Cable	70cm
Note: The information of the EUT is declared by the manufacturer. Please refer to the specifications or user manual for details.	

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3. Applied Standards

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

Test standards

- **FCC CFR47 Part 15C (2016) Radio Frequency Devices**
- **ANSI C63.10 (2013)**
- **KDB 558074 D01 DTS Meas Guidance v03r05**

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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**
Bluetooth(Low Energy)	1Mbps
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0

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5. Test Case Results

5.1. Average Power Output –Conducted

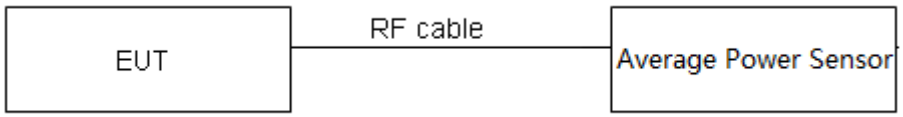
Ambient condition

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 Average power meter with a known loss. The EUT is max power transmission with proper modulation. The Average detector is used. We use Maximum Average Conducted Output Power Level Method in KDB 558074 D01 for this test.

Test Setup



Limits

Rule Part 15.247 (b) (3) specifies that " For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz: 1 Watt."

Average Output Power	≤ 1W (30dBm)

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.

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Test Results

Network Standards	Carrier frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Conclusion
802.11b	2412	12.000	30	PASS
	2437	12.020	30	PASS
	2462	12.150	30	PASS
802.11g	2412	8.000	30	PASS
	2437	8.330	30	PASS
	2462	7.830	30	PASS
802.11n HT20	2412	6.840	30	PASS
	2437	6.880	30	PASS
	2462	6.400	30	PASS
Bluetooth (Low Energy)	2402	3.637	30	PASS
	2440	3.588	30	PASS
	2480	2.628	30	PASS

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5.2. 6dB Bandwidth

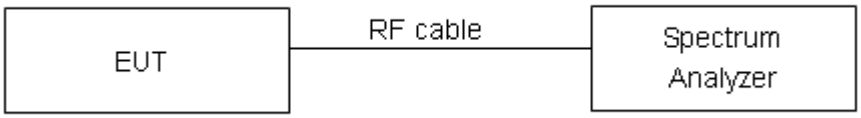
Ambient condition

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. RBW is set to 100 kHz; VBW is set to 300 kHz on spectrum analyzer.

Test Setup



Limits

Rule Part 15.247 (a) (2) specifies that “Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.”

minimum 6 dB bandwidth	≥ 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.

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Test Results:

Network Standards	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11b	2412	12.243	9.150	500	PASS
	2437	12.260	9.153	500	PASS
	2462	12.175	9.558	500	PASS
802.11g	2412	16.490	16.590	500	PASS
	2437	16.537	16.610	500	PASS
	2462	16.527	16.580	500	PASS
802.11n HT20	2412	17.672	17.820	500	PASS
	2437	17.672	17.810	500	PASS
	2462	17.650	17.760	500	PASS
Bluetooth (Low Energy)	2402	1.0452	0.7048	500	PASS
	2440	1.0424	0.7060	500	PASS
	2480	1.0392	0.7050	500	PASS

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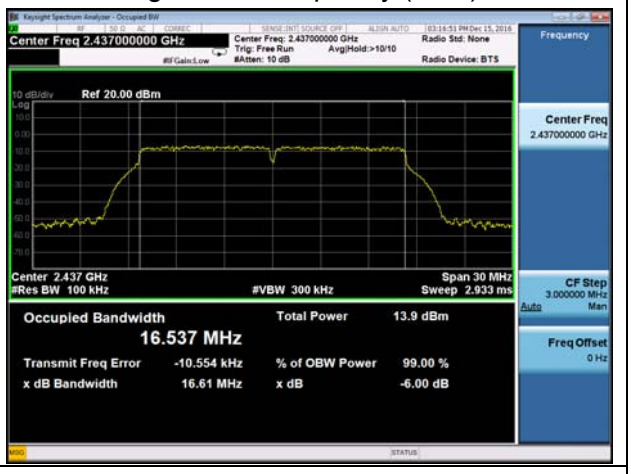
802.11b, Carrier frequency (MHz): 2412

802.11g, Carrier frequency (MHz): 2412

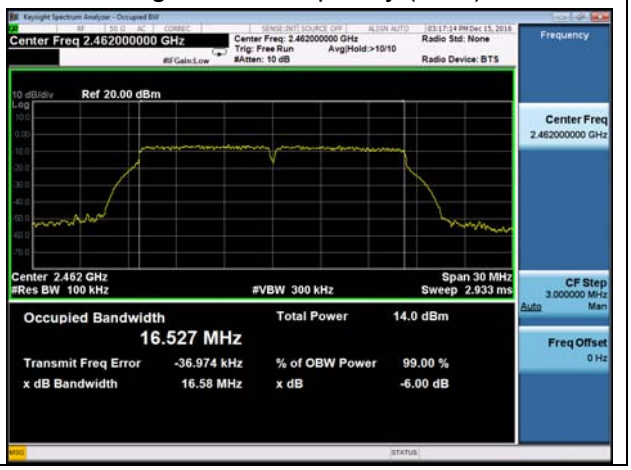
802.11b, Carrier frequency (MHz): 2437

802.11g, Carrier frequency (MHz): 2437



802.11b, Carrier frequency (MHz):2462

802.11g, Carrier frequency (MHz):2462



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802.11n(HT20), Carrier frequency (MHz): 2412

BLE Carrier frequency (MHz): 2402

802.11n(HT20), Carrier frequency (MHz): 2437

BLE Carrier frequency (MHz): 2440

802.11n(HT20), Carrier frequency (MHz):2462

BLE Carrier frequency (MHz): 2480

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5.3. Band Edge

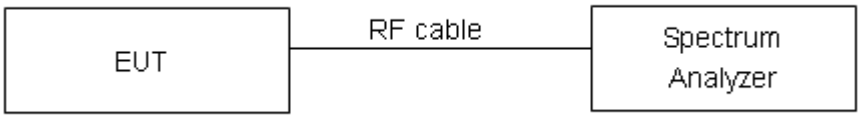
Ambient condition

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 the band edge of the lowest and highest channels were measured. The peak detector is used and RBW is set to 100 kHz and VBW is set to 300 kHz on spectrum analyzer. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.”

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
2GHz-3GHz	1.407 dB

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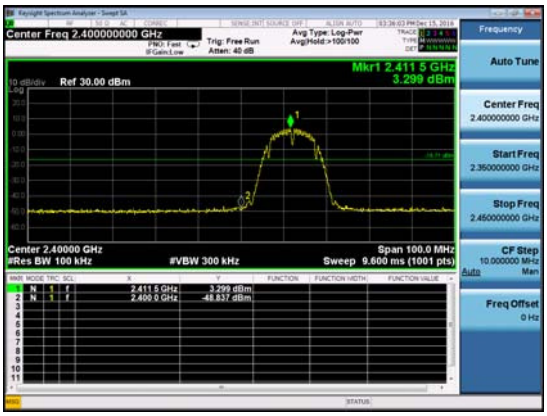
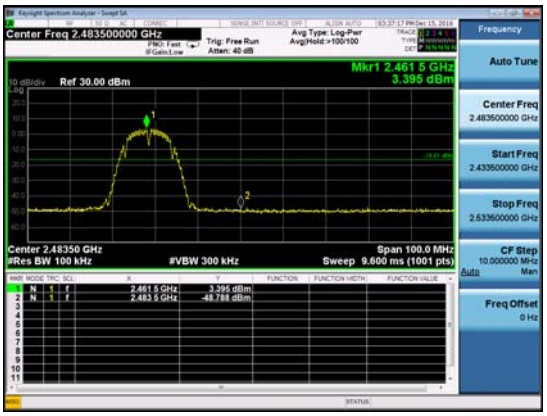
Test Results: PASS

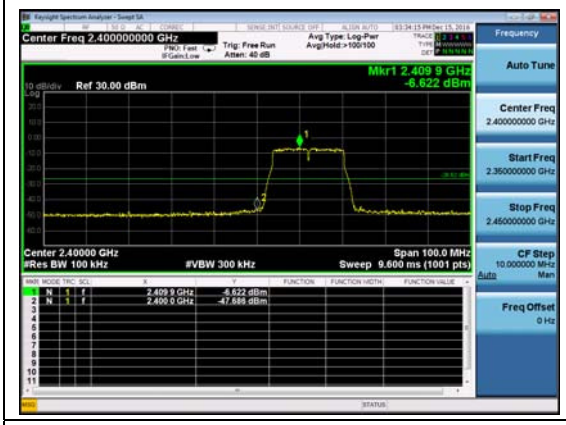
802.11b, Channel No.: 1



802.11b, Channel No.: 11

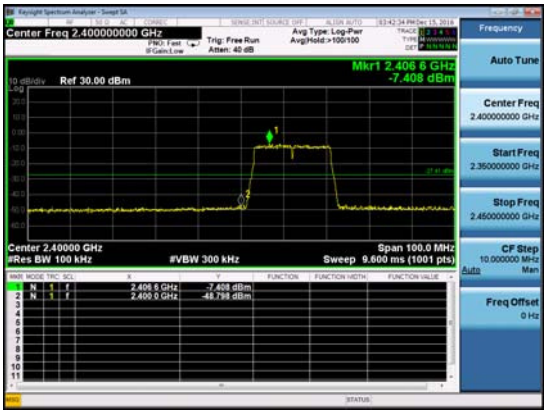


802.11g, Channel No.: 1

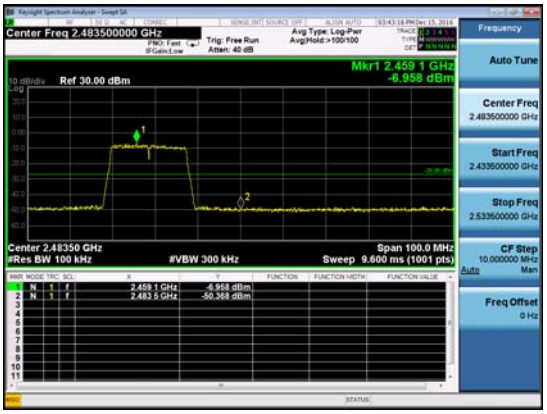


802.11g, Channel No.: 11

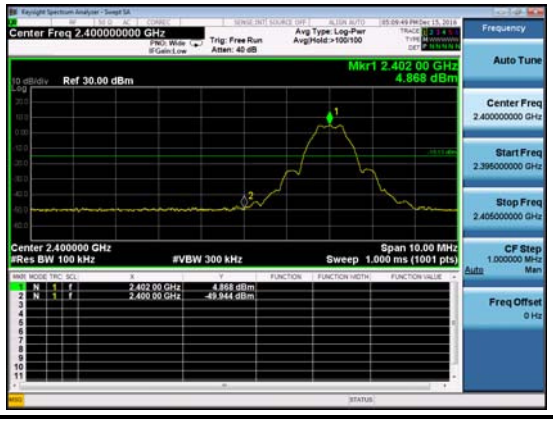
802.11n(HT20), Channel No.: 1



802.11n(HT20), Channel No.: 11



BLE, Channel No.: 0



BLE, Channel No.: 39

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5.4. Power Spectral Density

Ambient condition

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

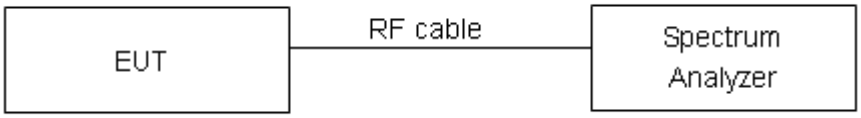
Method of Measurement

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

RBW is set to 3 kHz and VBW is set to 10 kHz for BLE/ Wi-Fi 2.4G on spectrum analyzer.

Set the span to 1.5 times the DTS channel bandwidth. Sweep time = auto couple. Trace mode = max hold. The Average power spectral density is recorded.

Test setup



Limits

Rule Part 15.247(e) specifies that" For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. ''

Limits	≤ 8 dBm / 3kHz

Measurement Uncertainty

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

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Test Results:

Network Standards	Channel Number	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Conclusion
802.11b	1	-21.171	8	PASS
	6	-20.843	8	PASS
	11	-21.146	8	PASS
802.11g	1	-27.442	8	PASS
	6	-27.491	8	PASS
	11	-27.138	8	PASS
802.11n HT20	1	-28.822	8	PASS
	6	-28.472	8	PASS
	11	-28.763	8	PASS
Bluetooth (Low Energy)	0	-13.995	8	PASS
	19	-14.142	8	PASS
	39	-15.750	8	PASS

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802.11b, Channel No.: 1

802.11g, Channel No.: 1

802.11b, Channel No.: 6

802.11g, Channel No.: 6

802.11b, Channel No.: 11

802.11g, Channel No.: 11

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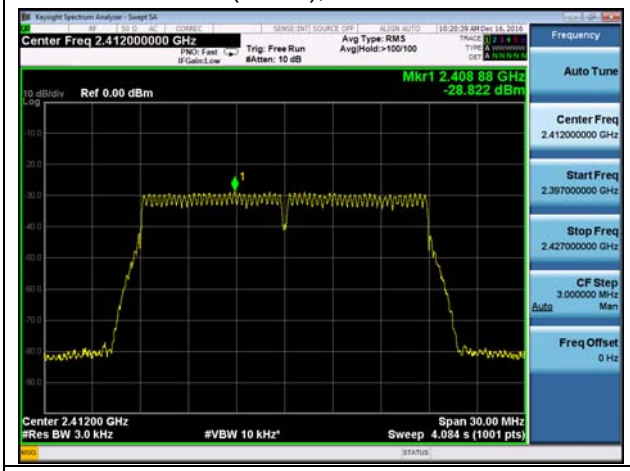
802.11n(HT20), Channel No. 1

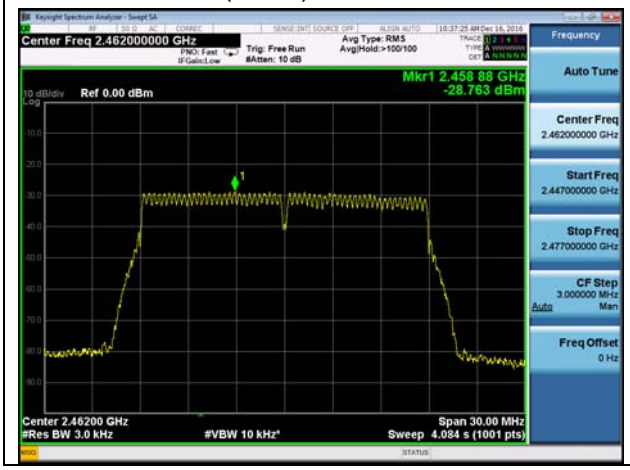


BLE, Channel No.: 0

802.11n(HT20), Channel No. 6

BLE, Channel No.: 19

802.11n(HT20), Channel No. 11



BLE, Channel No.: 39

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5.5. Spurious RF Conducted Emissions

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 with a known loss. The spectrum analyzer scans from 30MHz to the 10th harmonic of the carrier. The peak detector is used. RBW and VBW are set to 100 kHz, Sweep is set to ATUO.
The test is in transmitting mode.

Test setup

Limits

Rule Part 15.247(d) pacifies that "In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power."

Network Standards	Carrier frequency (MHz)	Reference value (dBm)	Limit
802.11b	2412	-1.318	-21.32
	2437	-10.746	-30.75
	2462	-6.035	-26.04
802.11g	2412	-9.971	-29.97
	2437	-14.030	-34.03
	2462	-10.906	-30.91
802.11n HT20	2412	-10.949	-30.95
	2437	-13.500	-33.50
	2462	-9.269	-29.27
Bluetooth (Low Energy)	2402	0.311	-19.69
	2440	-14.585	-34.59
	2480	-12.011	-32.01

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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
100kHz-2GHz	0.684 dB
2GHz-26GHz	1.407 dB

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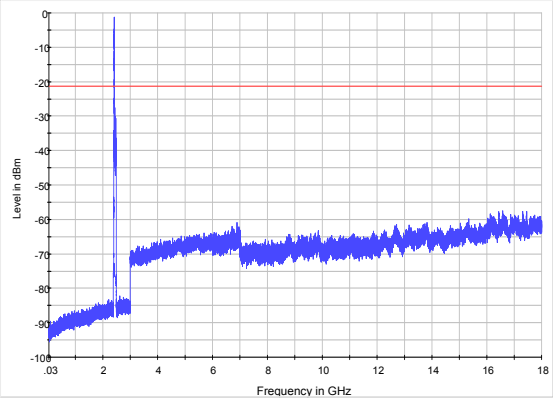
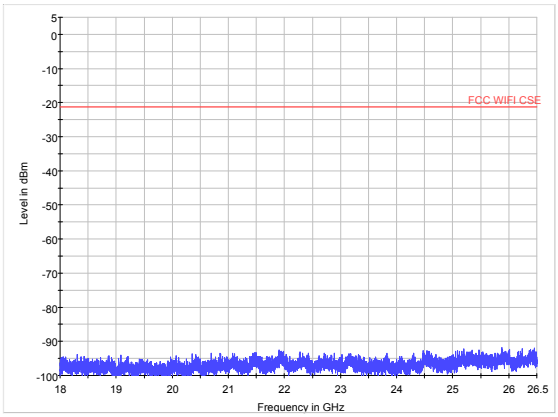
Test Results:

If disturbances were found more than 20dB below limit line, the mark is not required for the EUT. The signal beyond the limit is carrier.

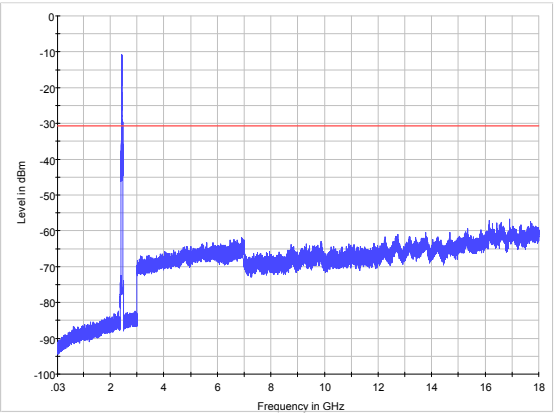
The signal beyond the limit is carrier



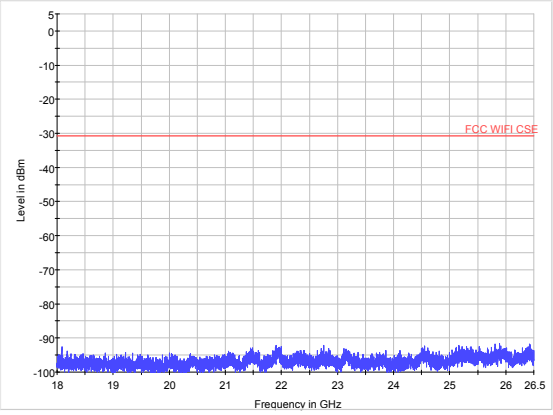
802.11b CH1 30MHz to 18GHz



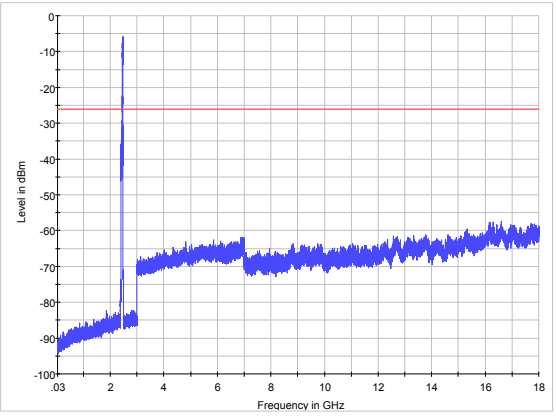
802.11b CH1 18GHz to 26.5GHz



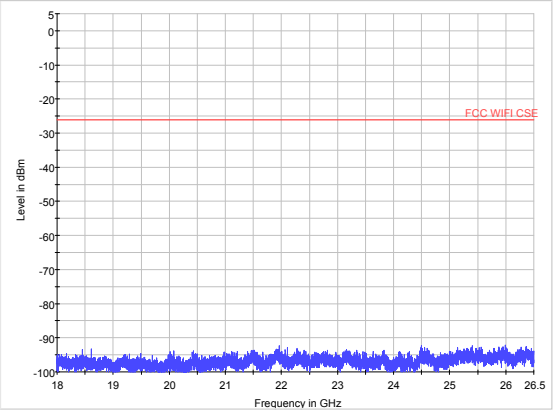
802.11b CH6 30MHz to 18GHz



802.11b CH6 18GHz to 26.5GHz



802.11b CH11 30MHz to 18GHz



802.11b CH11 18GHz to 26.5GHz

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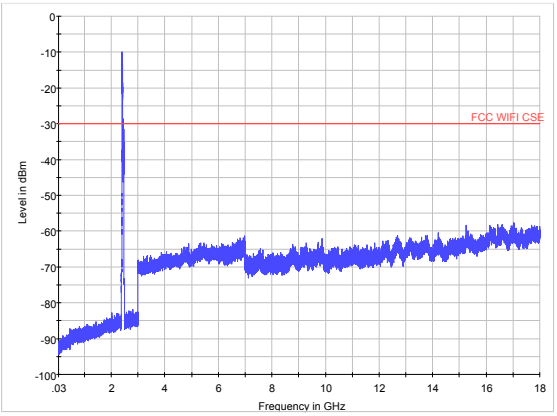
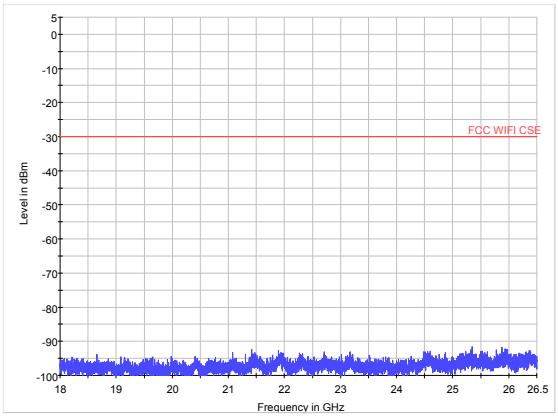
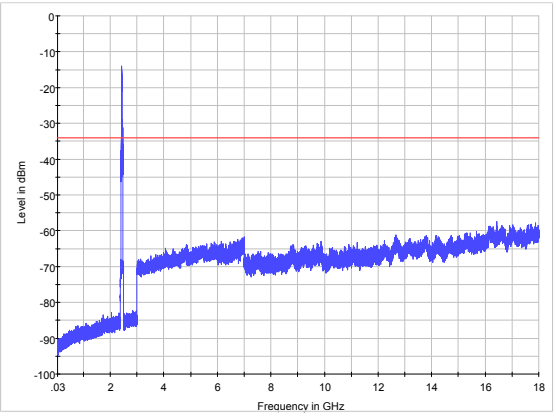


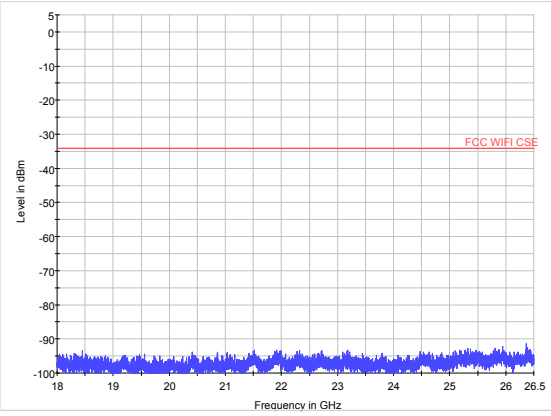
802.11g CH1 30MHz to 18GHz



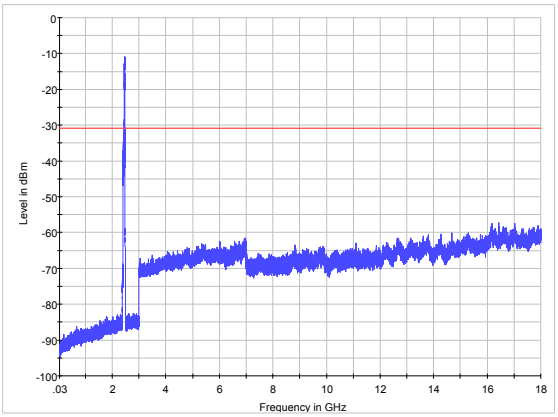
802.11g CH1 18GHz to 26.5GHz



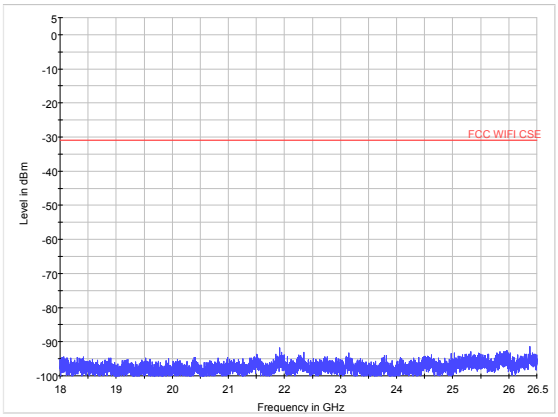
802.11g CH6 30MHz to 3GHz



802.11g CH6 18GHz to 26.5GHz



802.11g CH11 30MHz to 18GHz



802.11g CH11 18GHz to 26.5GHz

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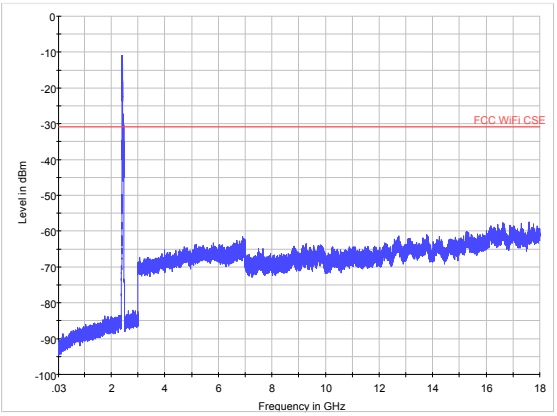
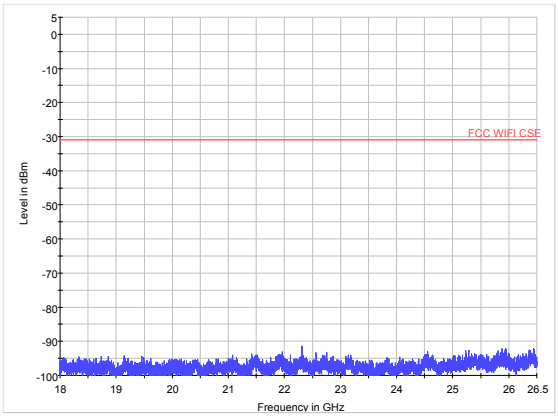
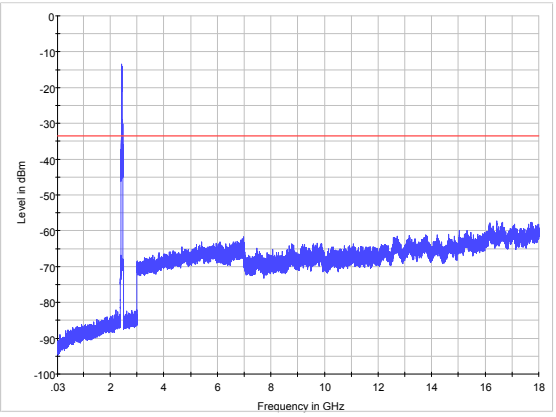


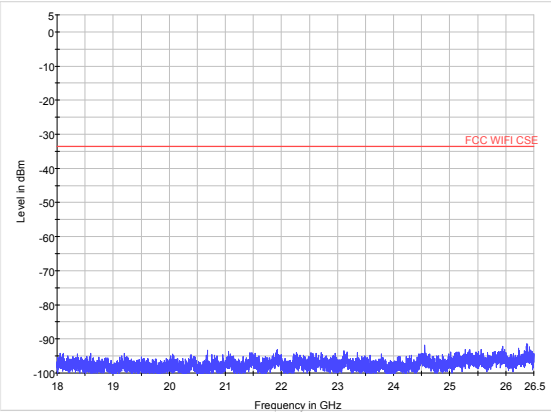
802.11n (HT20) CH1 30MHz to 18GHz



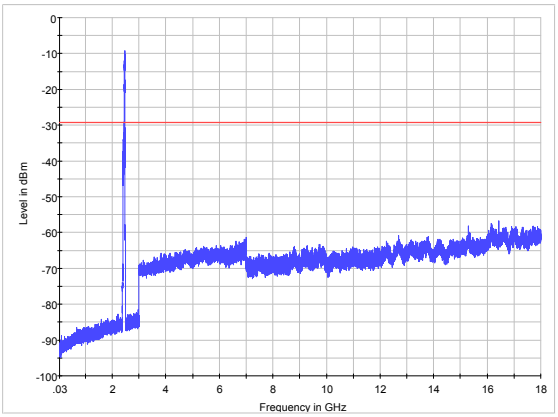
802.11n (HT20) CH1 18GHz to 26.5GHz



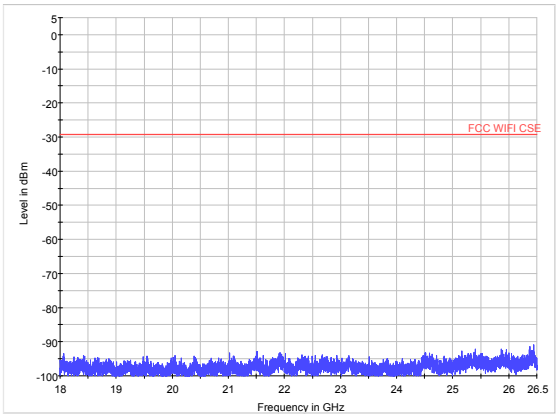
802.11n (HT20) CH6 30MHz to 18GHz



802.11n (HT20) CH6 18GHz to 26.5GHz



802.11n (HT20) CH11 30MHz to 18GHz



802.11n (HT20) CH11 18GHz to 26.5GHz

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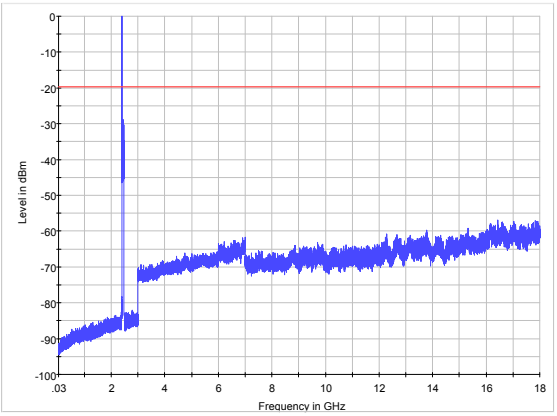
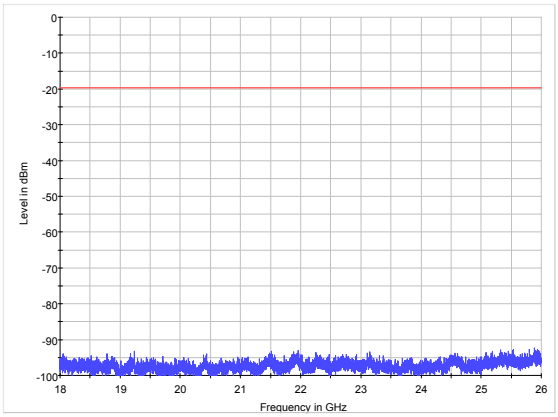
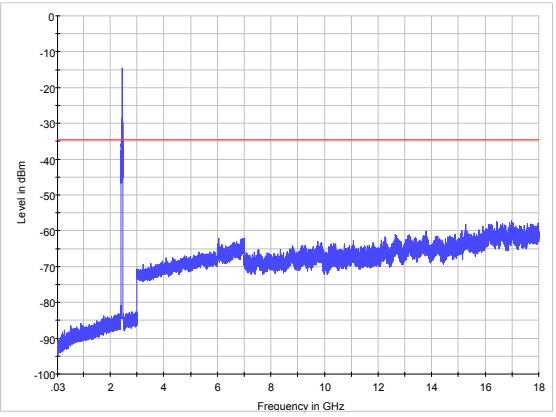


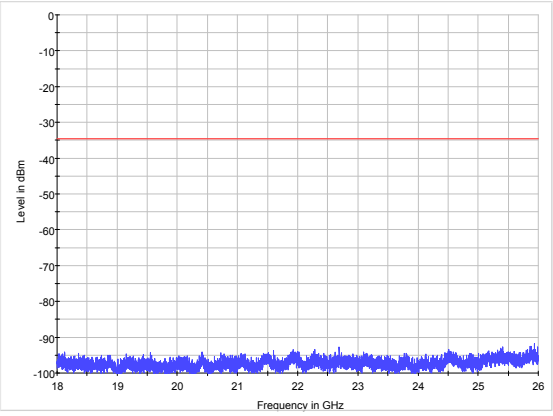
BLE CH0 30MHz to 18GHz



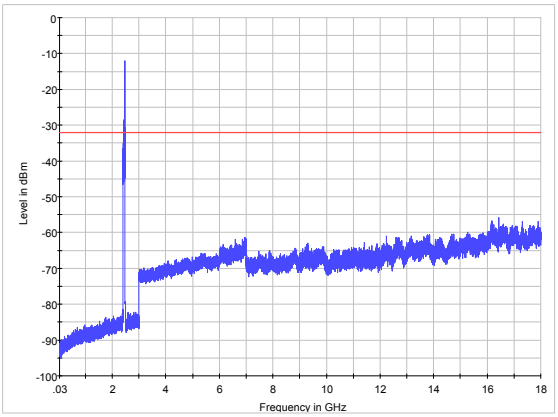
BLE CH0 18GHz to 26.5GHz



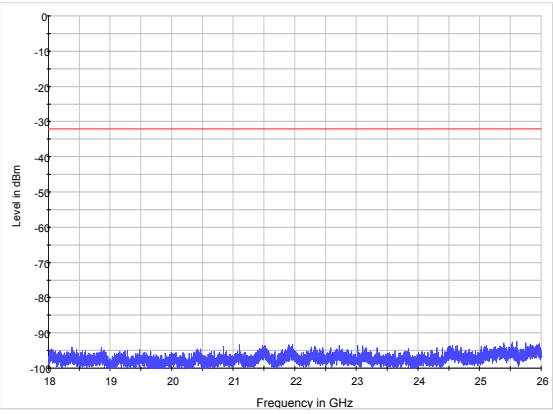
BLE CH19 30MHz to 18GHz



BLE CH19 18GHz to 26.5GHz



BLE CH39 30MHz to 18GHz



BLE CH39 18GHz to 26.5GHz

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5.6. Radiated Emissions in the Restricted Band

Ambient condition

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

Method of Measurement

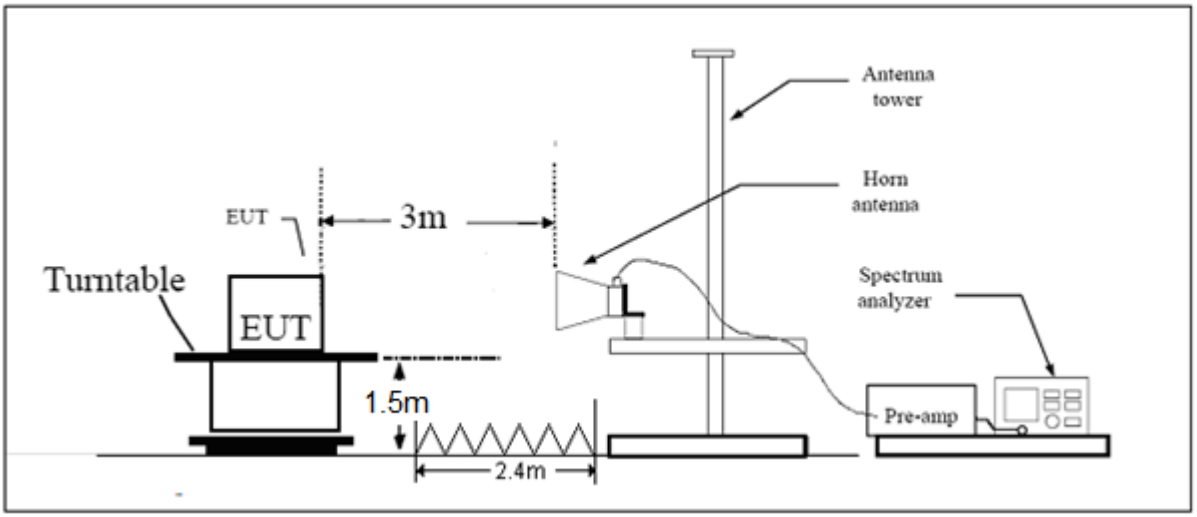
The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. RBW is set to 100kHz.The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing. Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

Set the spectrum analyzer in the following:
(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
(b) AVERAGE: RBW=1MHz / VBW=1MHz / Sweep=AUTO
This setting method can refer to **KDB 558074.**

The field strength of spurious 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 (Y axis) and the antenna is vertical.

The test is in transmitting mode.

Test setup



Note: Area side: 2.4mX3.6m

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Limits

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]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	([2])
13.36 - 13.41			

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBuV/m

Average Limit=54 dBuV/m

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 3.55 dB.

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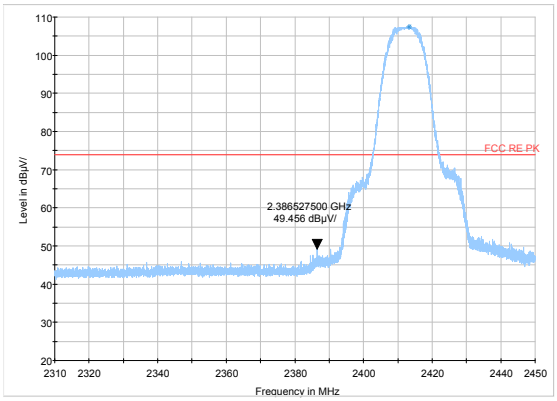
Test Results:

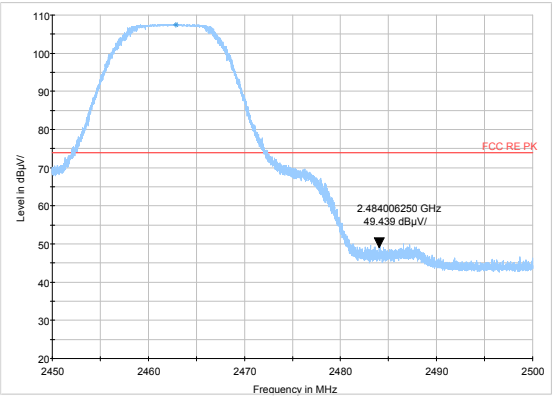
PASS

The signal beyond the limit is carrier.

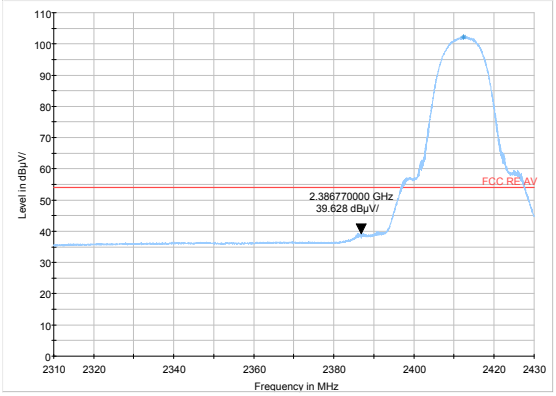
802.11b-Channel 1: Peak



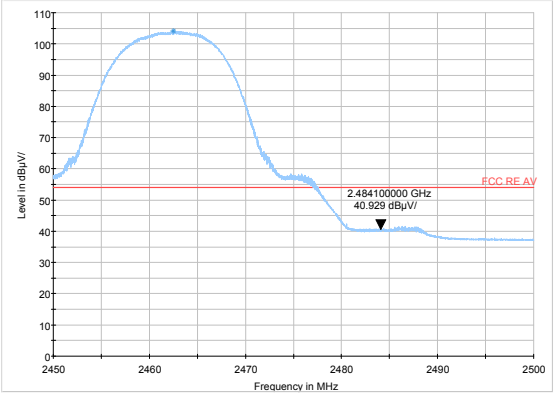
802.11b-Channel 11: Peak



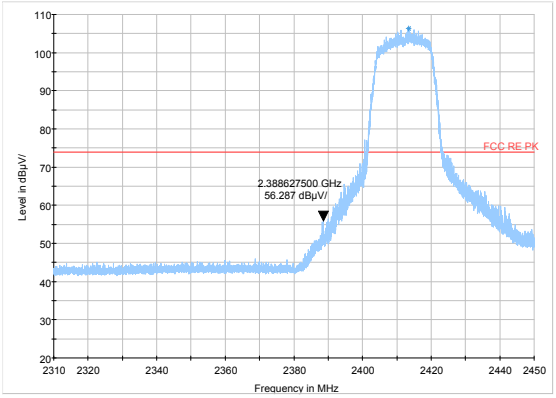
802.11b-Channel 1: Average



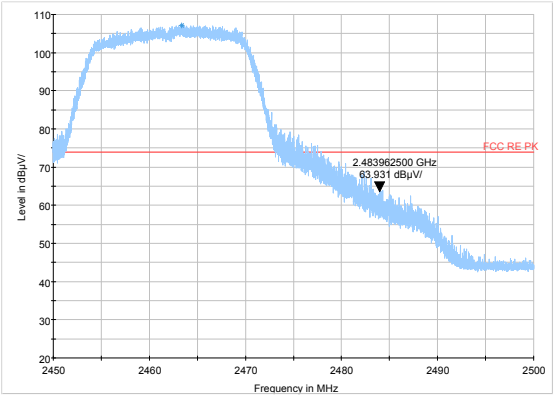
802.11b-Channel 11: Average



802.11g-Channel 1: Peak



802.11g-Channel 11: Peak



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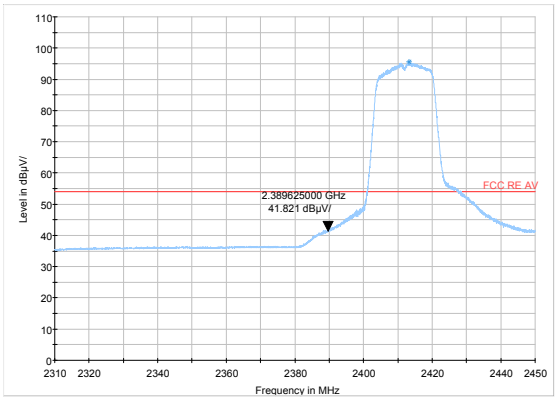
802.11g-Channel 1: Average



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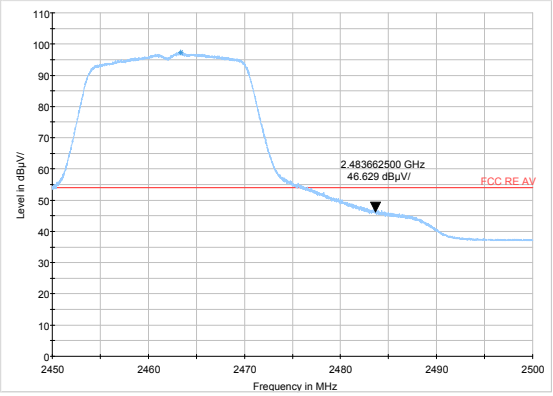
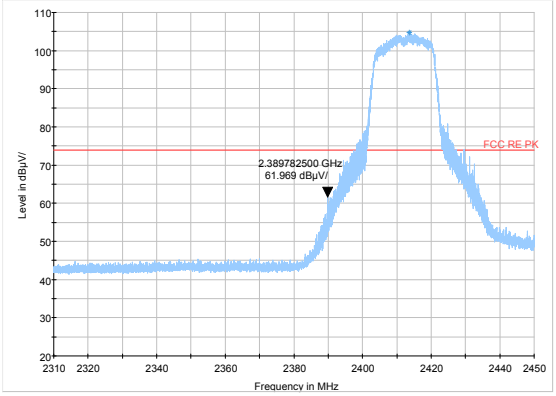
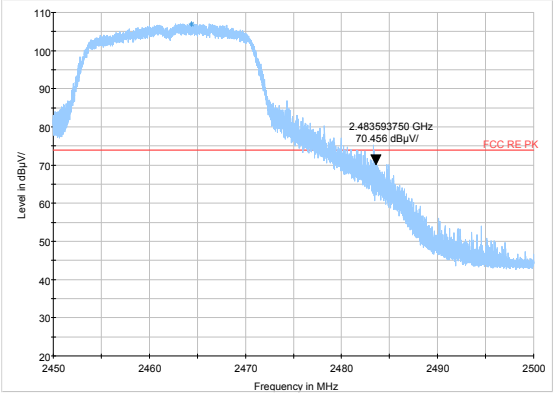


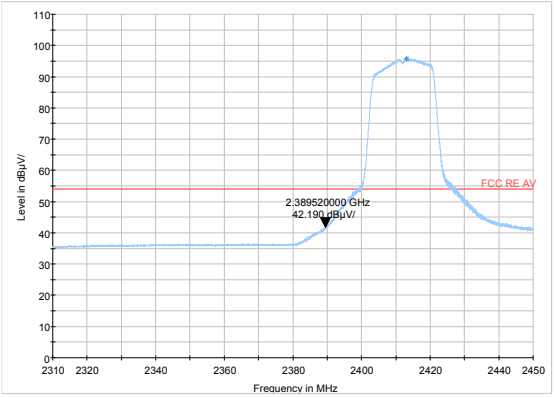
802.11n HT20 -Channel 1: Peak



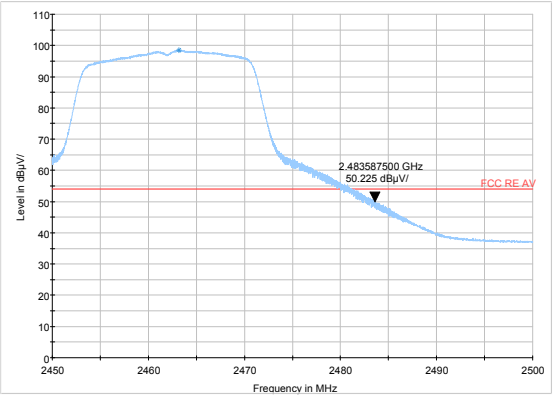
802.11n HT20-Channel 11: Peak



802.11n HT20-Channel 1: Average



802.11n HT20-Channel 11: Average



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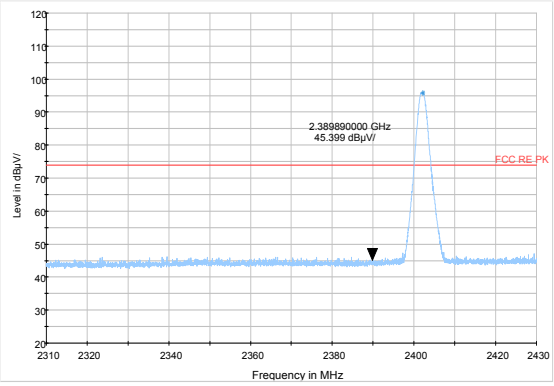
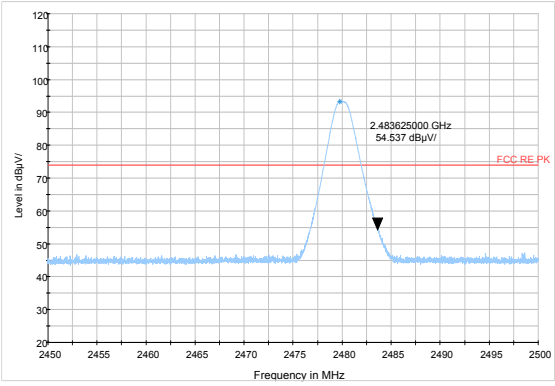
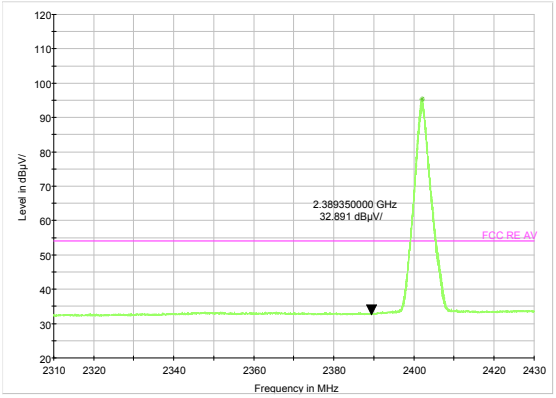
BLE -Channel 0: Peak



BLE -Channel 39: Peak



BLE -Channel 0: Average



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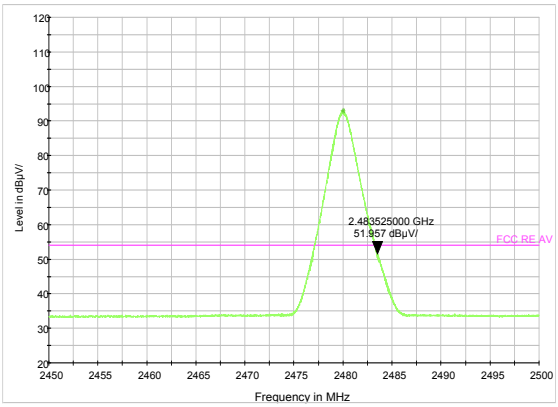

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5.7. Radiates Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	102.5kPa

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 through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, 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=100 kHz / VBW=300 kHz / 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.

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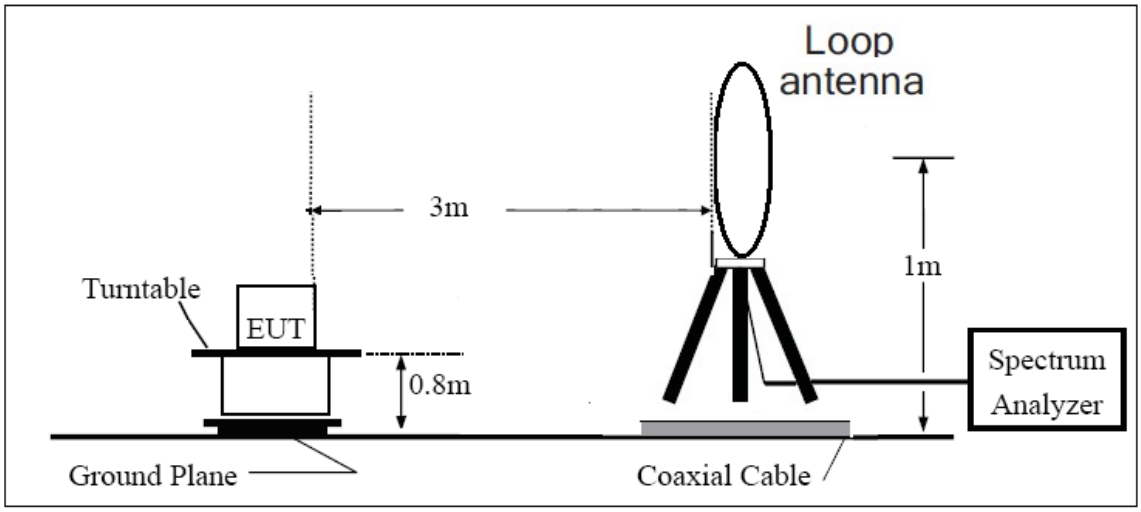
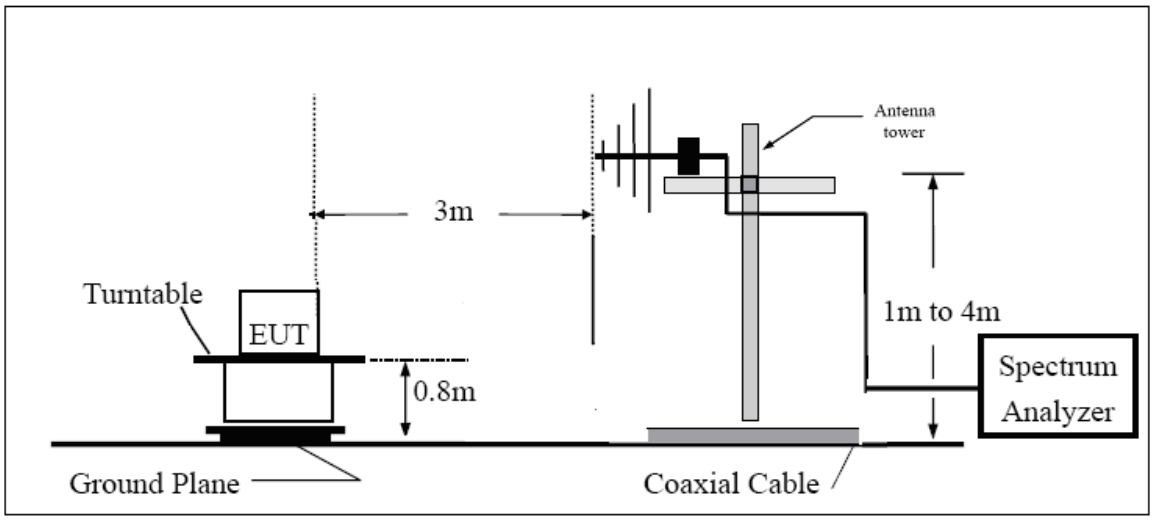
Test setup

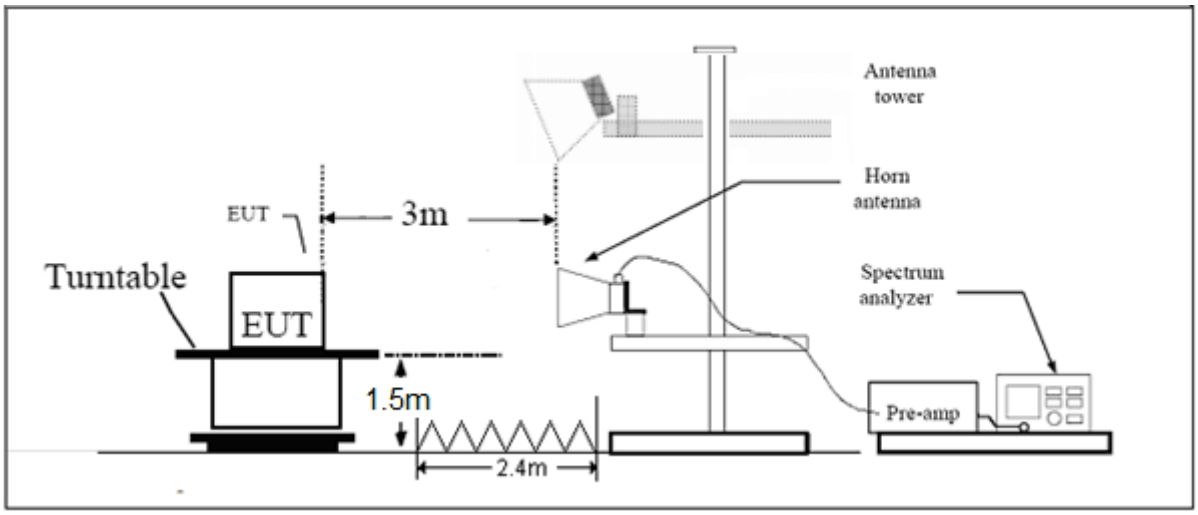
9KHz~~~ 30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

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Limits

Rule Part 15.247(d) specifies that "In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))."

Limit in restricted band

Frequency of emission (MHz)	Field strength(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

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

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
Above 1GHz	3.68 dB

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Test result

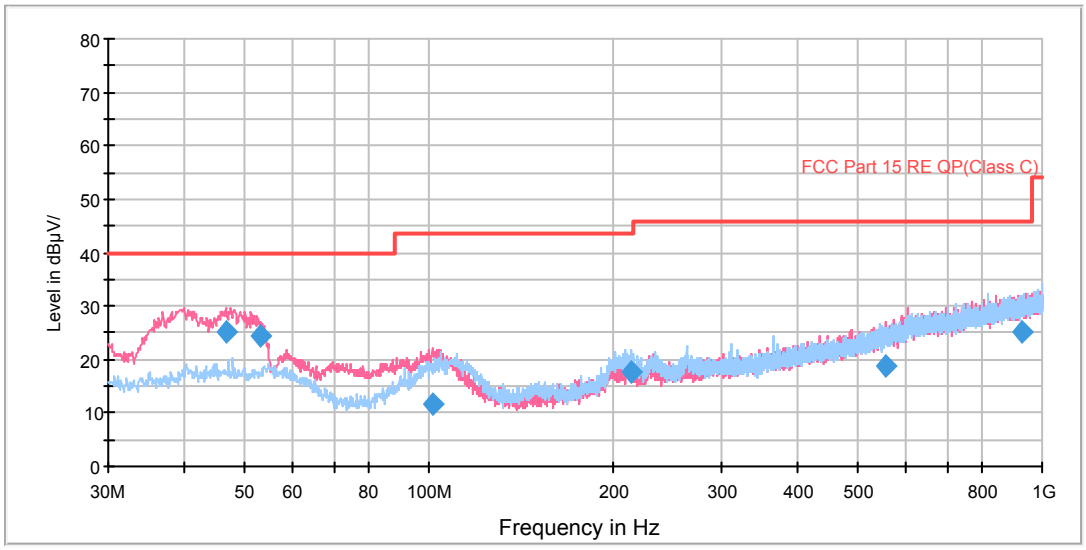
Sweep from 9 kHz to 30MHz, and the emissions more than 20 dB below the permissible value are not reported.

The following graphs display the maximum values of horizontal and vertical by software.

For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

802.11b CH1

FCC RE 0.03-1GHz QP Class C



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)
46.940000	25.1	100.0	V	290.0	38.2	-13.1	14.9	40.0
53.286250	24.3	100.0	V	256.0	37.1	-12.8	15.7	40.0
101.773750	11.7	100.0	V	262.0	24.8	-13.1	31.8	43.5
213.215000	17.7	125.0	H	296.0	30.3	-12.6	25.8	43.5
555.867500	18.9	125.0	V	289.0	40.1	-21.2	27.1	46.0
930.933750	25.2	100.0	H	34.0	51.1	-25.9	20.8	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

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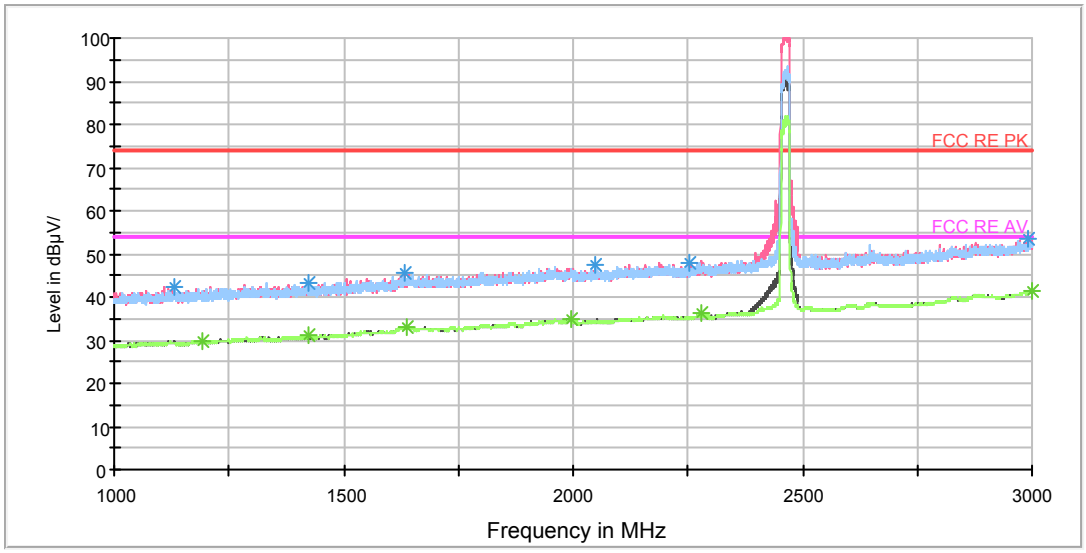
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1130.500000	42.5	102.0	H	0.0	50.9	-8.4	31.5	74
1421.750000	43.3	102.0	H	98.0	50.2	-6.9	30.7	74
1634.500000	45.6	102.0	V	215.0	50.3	-4.7	28.4	74
2049.250000	47.5	102.0	H	0.0	50.7	-3.2	26.5	74
2253.500000	48.0	102.0	V	332.0	50.2	-2.2	26.0	74
2990.500000	53.5	102.0	H	0.0	55.7	-2.2	20.5	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)
1190.750000	29.9	102.0	V	0.0	38.1	-8.2	24.1	54
1423.750000	30.9	102.0	H	0.0	37.8	-6.9	23.1	54
1638.500000	33.2	102.0	V	215.0	37.9	-4.7	20.8	54
1996.000000	34.9	102.0	H	52.0	38.2	-3.3	19.1	54
2279.750000	36.2	102.0	V	72.0	37.5	-1.3	17.8	54
2999.500000	41.6	102.0	V	332.0	43.9	-2.3	12.4	54

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

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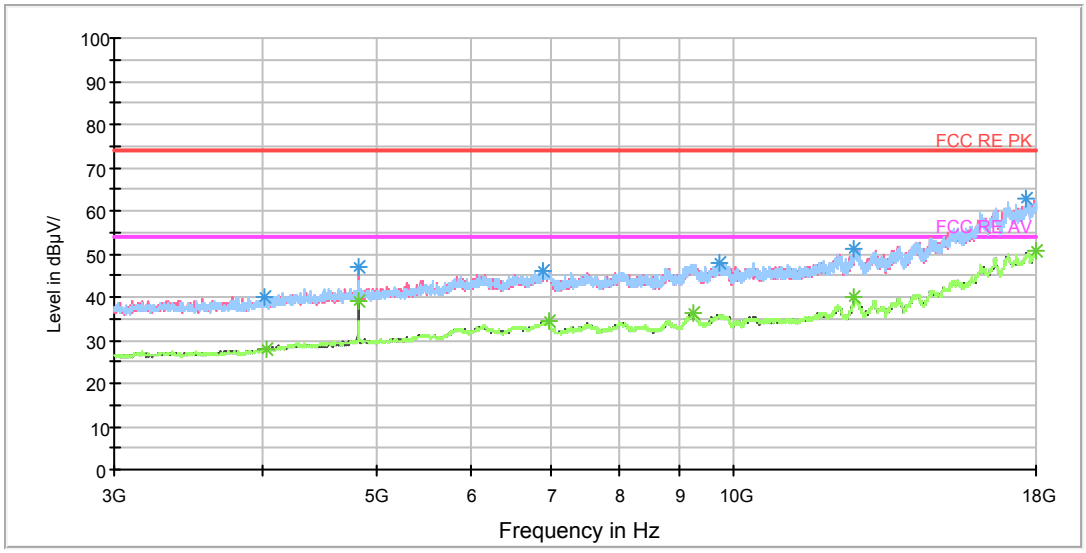
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4014.375000	40.2	102.0	V	345.0	41.4	-1.2	33.8	74
4824.375000	47.1	102.0	V	117.0	48.5	-1.4	26.9	74
6901.875000	46.2	102.0	V	93.0	52.5	-6.3	27.8	74
9740.625000	47.9	102.0	H	0.0	57.9	-10.0	26.1	74
12648.750000	51.2	102.0	V	0.0	65.4	-14.2	22.8	74
17681.250000	62.6	102.0	V	69.0	87.1	-24.5	11.4	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)
4033.125000	28.1	102.0	V	278.0	29.2	-1.1	25.9	54
4822.500000	39.2	102.0	V	117.0	40.5	-1.3	14.8	54
6995.625000	34.4	102.0	H	15.0	40.9	-6.5	19.6	54
9240.000000	36.1	102.0	H	222.0	46.0	-9.9	17.9	54
12641.250000	39.9	102.0	V	0.0	54.4	-14.5	14.1	54
17998.125000	50.9	102.0	V	301.0	76.3	-25.4	3.1	54

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

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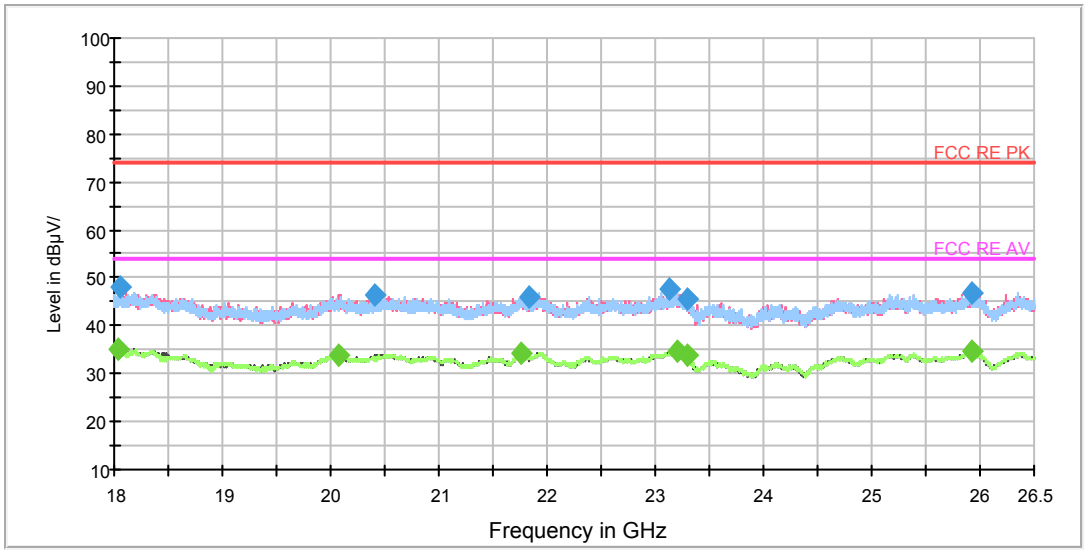
RE 18-26.5GHz PK+AV



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)
18061.625000	48.1	H	9.0	50.2	-2.1	25.9	74
20403.375000	46.4	H	74.0	52.5	-6.1	27.6	74
21831.375000	46.0	V	134.0	54.0	-8.0	28.0	74
23122.312500	47.6	H	272.0	53.7	-6.1	26.4	74
23296.562500	45.6	H	140.0	51.6	-6.0	28.4	74
25920.937500	46.9	V	353.0	52.3	-5.4	27.1	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)
18035.062500	35.2	V	0.0	37.1	-1.9	18.8	54
20065.500000	33.9	V	201.0	39.6	-5.7	20.1	54
21759.125000	34.1	V	43.0	42.1	-8.0	19.9	54
23195.625000	34.7	H	140.0	40.7	-6.0	19.3	54
23302.937500	33.7	H	53.0	39.7	-6.0	20.3	54
25930.500000	34.5	H	0.0	39.9	-5.4	19.5	54

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

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802.11b CH6

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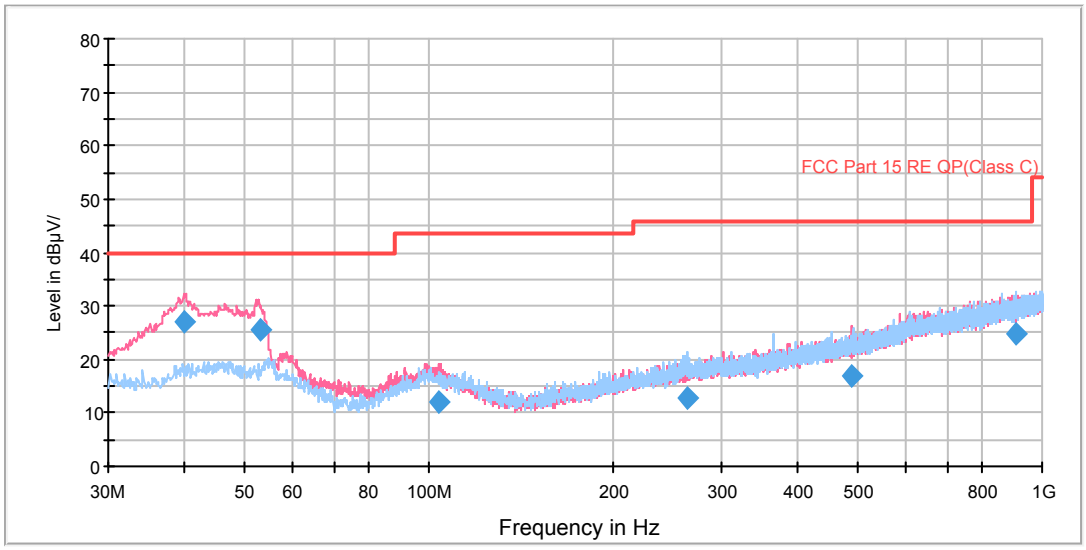

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.941250	27.2	100.0	V	252.0	40.4	-13.2	12.8	40.0
53.286250	25.5	100.0	V	234.0	38.3	-12.8	14.5	40.0
104.008750	12.0	125.0	V	336.0	24.9	-12.9	31.5	43.5
264.220000	12.8	100.0	H	0.0	27.3	-14.5	33.2	46.0
488.570000	17.1	100.0	V	0.0	36.7	-19.6	28.9	46.0
904.581250	24.9	125.0	H	22.0	50.6	-25.7	21.1	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

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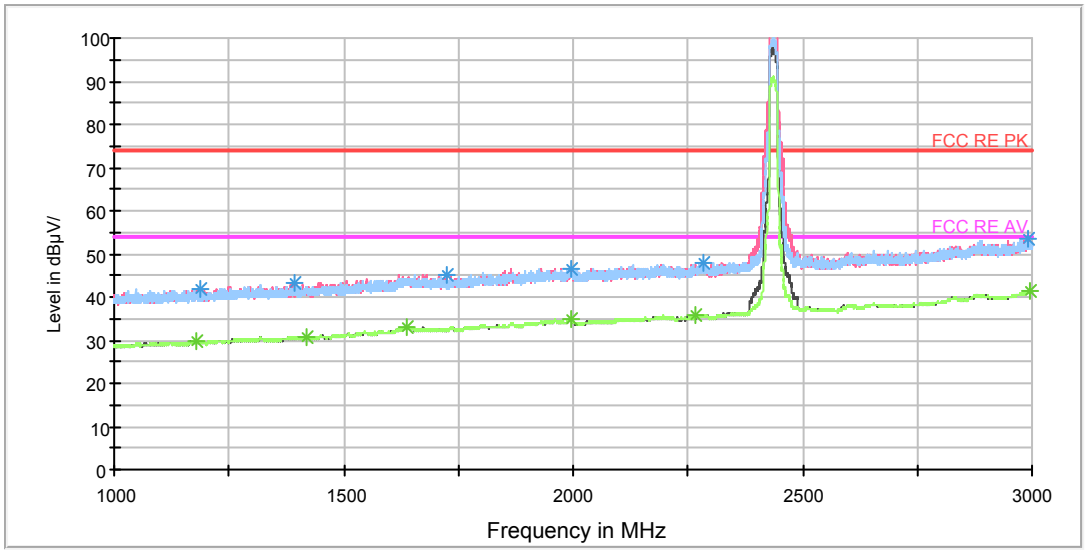
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1189.750000	41.9	101.0	H	0.0	50.1	-8.2	32.1	74
1391.750000	43.4	101.0	V	0.0	50.4	-7.0	30.6	74
1723.000000	45.3	101.0	V	352.0	50.3	-5.0	28.7	74
1997.750000	46.6	101.0	V	0.0	49.9	-3.3	27.4	74
2991.750000	53.5	101.0	H	0.0	55.7	-2.2	20.5	74
2281.750000	47.8	101.0	V	0.0	49.2	-1.4	26.2	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)
1180.000000	29.8	101.0	V	215.0	37.8	-8.0	24.2	54
1418.250000	30.9	101.0	V	0.0	37.8	-6.9	23.1	54
1635.750000	33.0	101.0	H	121.0	37.7	-4.7	21.0	54
1994.250000	34.8	101.0	H	31.0	38.0	-3.2	19.2	54
2994.000000	41.4	101.0	H	121.0	43.7	-2.3	12.6	54
2268.250000	35.8	101.0	H	265.0	37.6	-1.8	18.2	54

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

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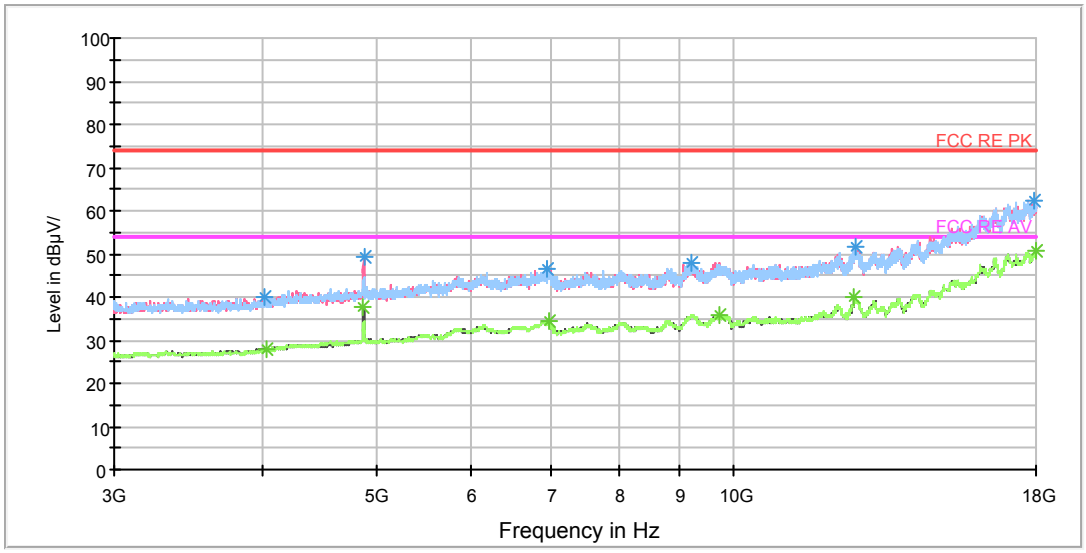
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4018.125000	40.1	102.0	H	85.0	41.3	-1.2	33.9	74
4873.125000	49.3	102.0	V	0.0	51.1	-1.8	24.7	74
6967.500000	46.7	102.0	V	68.0	53.0	-6.3	27.3	74
9202.500000	48.1	102.0	H	0.0	58.3	-10.2	25.9	74
12691.875000	51.7	102.0	V	299.0	65.9	-14.2	22.3	74
17925.000000	62.2	102.0	V	207.0	87.8	-25.6	11.8	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)
4038.750000	28.0	102.0	V	0.0	29.0	-1.0	26.0	54
4871.250000	37.6	102.0	V	19.0	39.4	-1.8	16.4	54
6995.625000	34.3	102.0	V	254.0	40.8	-6.5	19.7	54
9740.625000	36.0	102.0	V	115.0	46.0	-10.0	18.0	54
12639.375000	40.1	102.0	V	207.0	54.6	-14.5	13.9	54
18000.000000	50.8	102.0	H	40.0	76.3	-25.5	3.2	54

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

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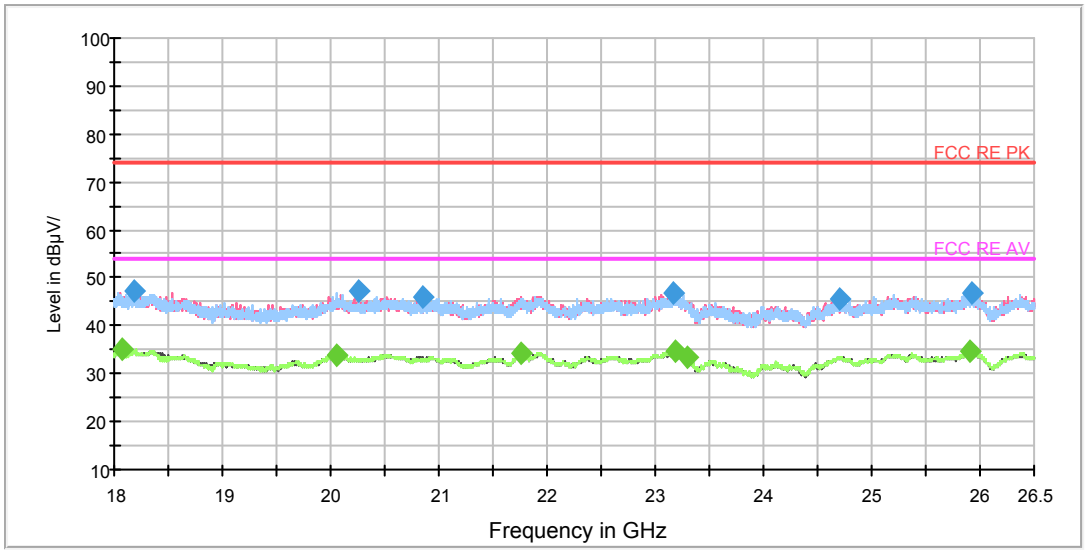
RE 18-26.5GHz PK+AV



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)
18178.500000	47.1	H	92.0	49.7	-2.6	26.9	74
20255.687500	47.3	V	224.0	53.2	-5.9	26.7	74
20845.375000	46.1	V	311.0	53.1	-7.0	27.9	74
23165.875000	46.9	V	311.0	53.0	-6.1	27.1	74
24702.250000	45.6	H	292.0	51.6	-6.0	28.4	74
25933.687500	46.9	H	114.0	52.3	-5.4	27.1	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)
18068.000000	34.9	V	202.0	37.0	-2.1	19.1	54
20062.312500	33.9	H	0.0	39.6	-5.7	20.1	54
21760.187500	34.2	H	0.0	42.2	-8.0	19.8	54
23186.062500	34.6	H	136.0	40.6	-6.0	19.4	54
23304.000000	33.5	H	0.0	39.5	-6.0	20.5	54
25901.812500	34.6	V	159.0	40.0	-5.4	19.4	54

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

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802.11b CH11

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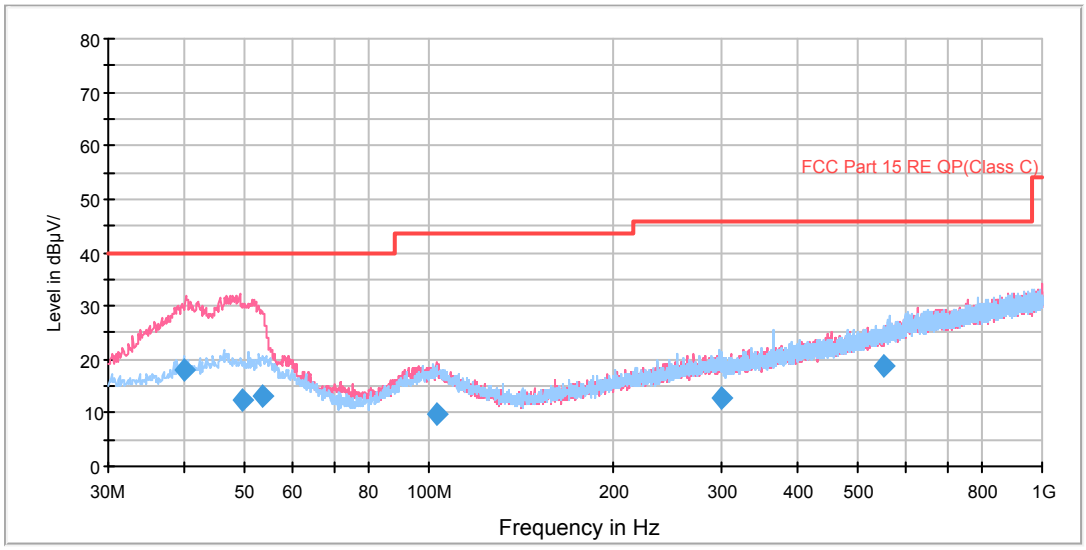

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
40.065000	18.2	100.0	V	255.0	31.4	-13.2	21.8	40.0
49.757500	12.3	100.0	V	268.0	25.3	-13.0	27.7	40.0
53.407500	13.0	100.0	V	252.0	25.8	-12.8	27.0	40.0
103.110000	9.9	175.0	V	274.0	22.8	-12.9	33.6	43.5
299.047500	12.9	125.0	H	0.0	28.3	-15.4	33.1	46.0
551.328750	18.7	200.0	H	349.0	39.7	-21.0	27.3	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

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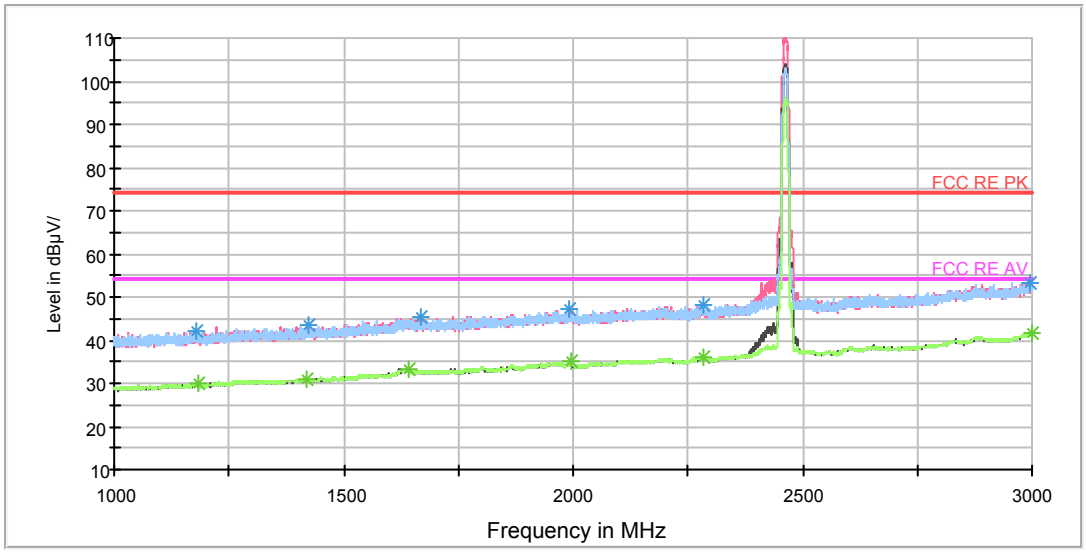
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1179.750000	41.9	101.0	V	0.0	49.9	-8.0	32.1	74
1425.500000	43.3	101.0	V	239.0	50.2	-6.9	30.7	74
1668.000000	45.6	101.0	H	0.0	50.7	-5.1	28.4	74
1990.750000	47.1	101.0	H	124.0	50.4	-3.3	26.9	74
2994.000000	53.3	101.0	H	8.0	55.6	-2.3	20.7	74
2282.500000	48.2	101.0	H	217.0	49.6	-1.4	25.8	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1184.250000	29.8	101.0	V	120.0	37.9	-8.1	24.2	54
1419.250000	31.1	101.0	V	215.0	38.0	-6.9	22.9	54
1641.250000	33.1	101.0	V	335.0	37.8	-4.7	20.9	54
1994.500000	34.9	101.0	V	215.0	38.1	-3.2	19.1	54
3000.000000	41.6	101.0	V	169.0	43.9	-2.3	12.4	54
2283.000000	36.2	101.0	V	308.0	37.6	-1.4	17.8	54

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

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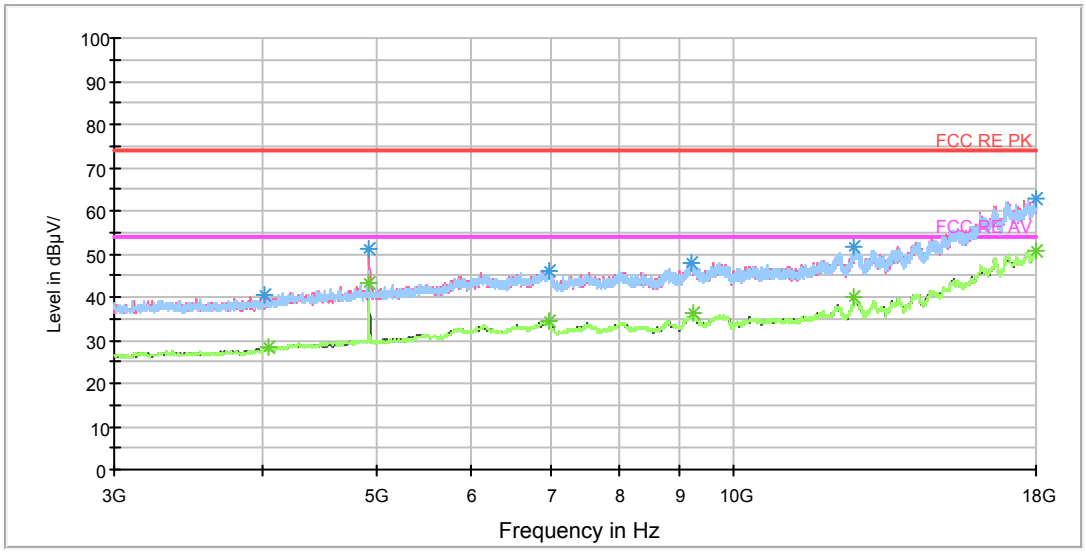
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4020.000000	40.3	102.0	V	231.0	41.5	-1.2	33.7	74
4923.750000	51.1	102.0	V	92.0	53.0	-1.9	22.9	74
6973.125000	45.9	102.0	V	0.0	52.2	-6.3	28.1	74
9208.125000	48.0	102.0	V	0.0	58.1	-10.1	26.0	74
12639.375000	51.7	102.0	H	14.0	66.2	-14.5	22.3	74
17986.875000	62.6	102.0	H	0.0	87.7	-25.1	11.4	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)
4042.500000	28.2	102.0	V	92.0	29.2	-1.0	25.8	54
4923.750000	43.1	102.0	V	92.0	45.0	-1.9	10.9	54
6997.500000	34.4	102.0	H	268.0	40.9	-6.5	19.6	54
9232.500000	36.1	102.0	V	0.0	46.0	-9.9	17.9	54
12639.375000	40.2	102.0	H	14.0	54.7	-14.5	13.8	54
17998.125000	50.7	102.0	V	300.0	76.1	-25.4	3.3	54

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

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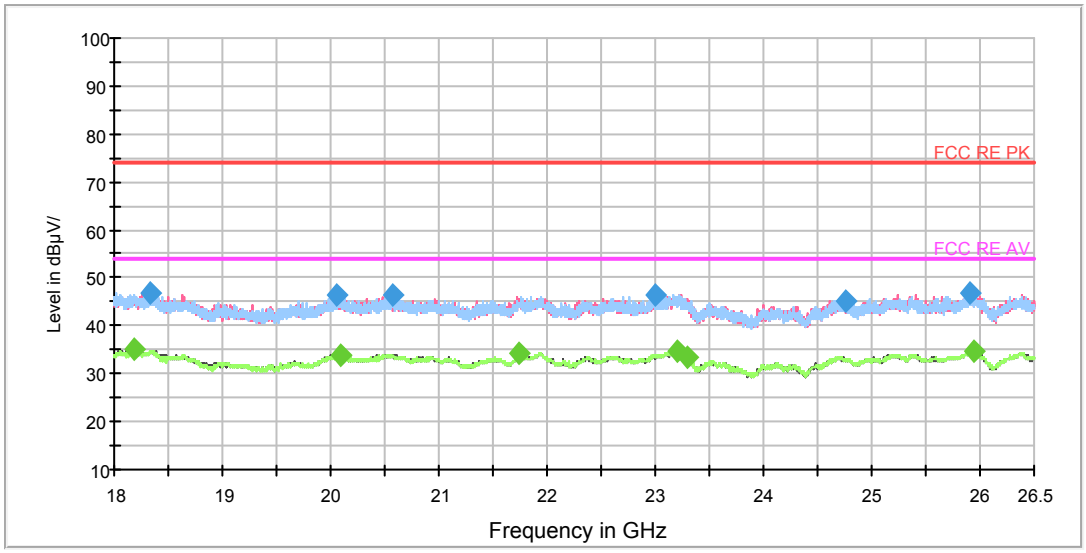
RE 18-26.5GHz PK+AV



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)
18340.000000	47.0	H	0.0	50.2	-3.2	27.0	74
20063.375000	46.5	H	0.0	52.2	-5.7	27.5	74
20576.562500	46.4	V	156.0	52.8	-6.4	27.6	74
22991.625000	46.5	H	96.0	52.7	-6.2	27.5	74
24766.000000	45.2	V	0.0	51.2	-6.0	28.8	74
25901.812500	46.9	V	199.0	52.3	-5.4	27.1	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)
18182.750000	35.0	H	251.0	37.6	-2.6	19.0	54
20101.625000	34.0	H	319.0	39.8	-5.8	20.0	54
21744.250000	34.3	V	332.0	42.3	-8.0	19.7	54
23202.000000	34.7	H	10.0	40.7	-6.0	19.3	54
23298.687500	33.6	H	0.0	39.6	-6.0	20.4	54
25936.875000	34.5	H	0.0	39.9	-5.4	19.5	54

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

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802.11g CH1

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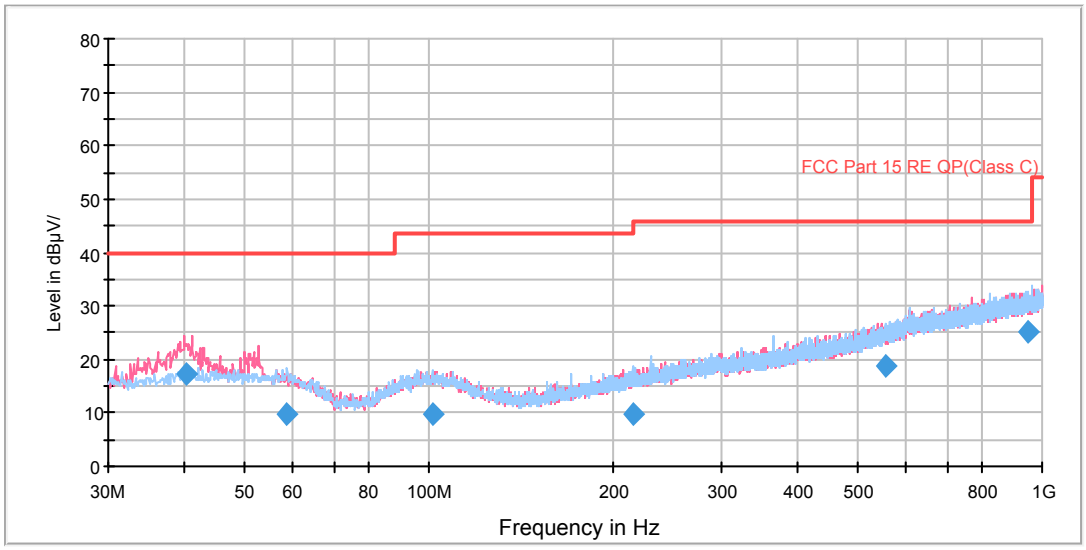

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
40.182500	17.3	100.0	V	246.0	30.5	-13.2	22.7	40.0
58.536250	9.9	202.0	H	341.0	22.5	-12.6	30.1	40.0
101.693750	9.8	225.0	H	0.0	22.9	-13.1	33.7	43.5
215.263750	9.9	100.0	H	192.0	22.6	-12.7	33.6	43.5
555.497500	18.9	125.0	H	22.0	40.1	-21.2	27.1	46.0
946.041250	25.3	100.0	H	17.0	51.3	-26.0	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

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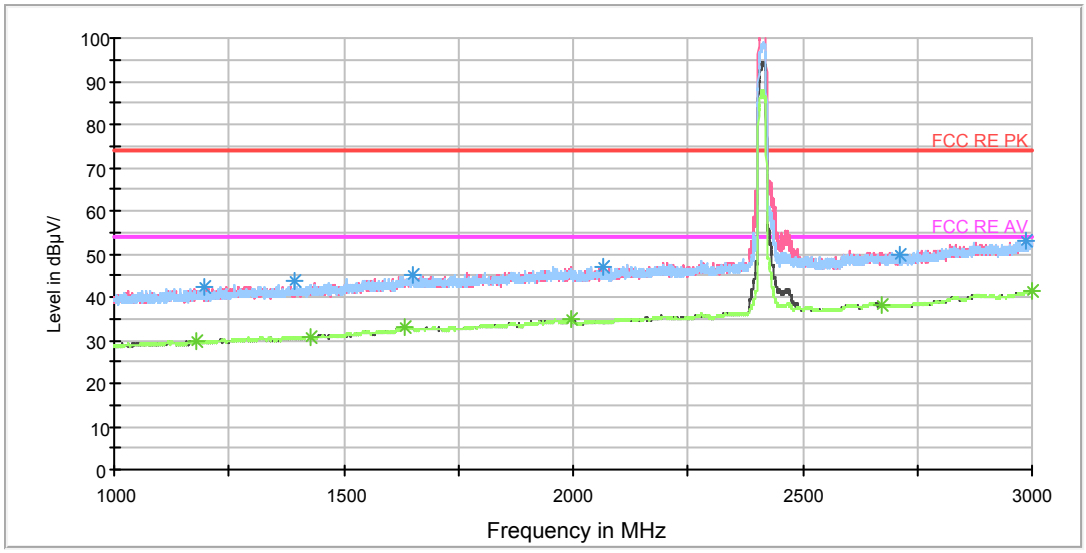
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1198.000000	42.2	101.0	V	353.0	50.4	-8.2	31.8	74
1394.250000	43.6	101.0	H	0.0	50.7	-7.1	30.4	74
1650.250000	45.3	101.0	V	0.0	50.4	-5.1	28.7	74
2066.750000	47.1	101.0	H	30.0	50.2	-3.1	26.9	74
2986.250000	53.2	101.0	H	0.0	55.4	-2.2	20.8	74
2709.750000	49.8	101.0	H	0.0	49.9	-0.1	24.2	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)
1179.250000	29.8	101.0	V	214.0	37.8	-8.0	24.2	54
1427.000000	30.9	101.0	V	0.0	37.8	-6.9	23.1	54
1631.750000	33.1	101.0	H	265.0	37.8	-4.7	20.9	54
1997.000000	35.0	101.0	V	191.0	38.3	-3.3	19.0	54
2998.750000	41.5	101.0	V	0.0	43.8	-2.3	12.5	54
2672.000000	38.2	101.0	H	76.0	38.5	-0.3	15.8	54

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

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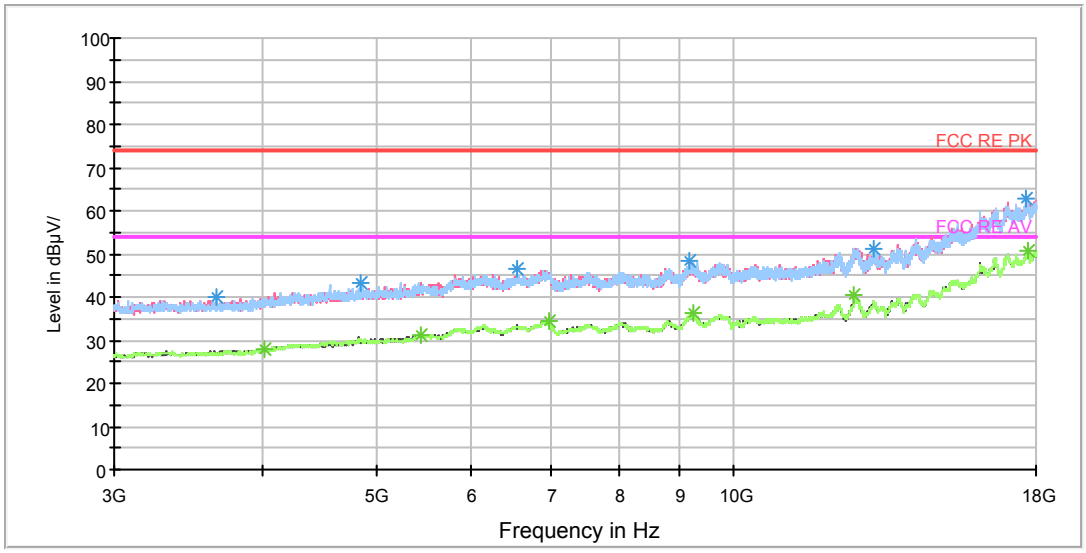
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3660.000000	39.8	102.0	H	34.0	41.7	-1.9	34.2	74
4841.250000	43.1	102.0	H	0.0	44.7	-1.6	30.9	74
6571.875000	46.4	102.0	H	175.0	52.0	-5.6	27.6	74
9165.000000	48.1	102.0	V	321.0	58.4	-10.3	25.9	74
13141.875000	51.2	102.0	H	291.0	65.6	-14.4	22.8	74
17677.500000	62.6	102.0	V	276.0	87.1	-24.5	11.4	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)
4020.000000	28.0	102.0	H	57.0	29.2	-1.2	26.0	54
5448.750000	31.2	102.0	V	321.0	34.0	-2.8	22.8	54
6997.500000	34.3	102.0	H	125.0	40.8	-6.5	19.7	54
9234.375000	36.1	102.0	H	11.0	46.0	-9.9	17.9	54
12641.250000	40.4	102.0	H	34.0	54.9	-14.5	13.6	54
17700.000000	50.6	102.0	H	57.0	75.3	-24.7	3.4	54

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

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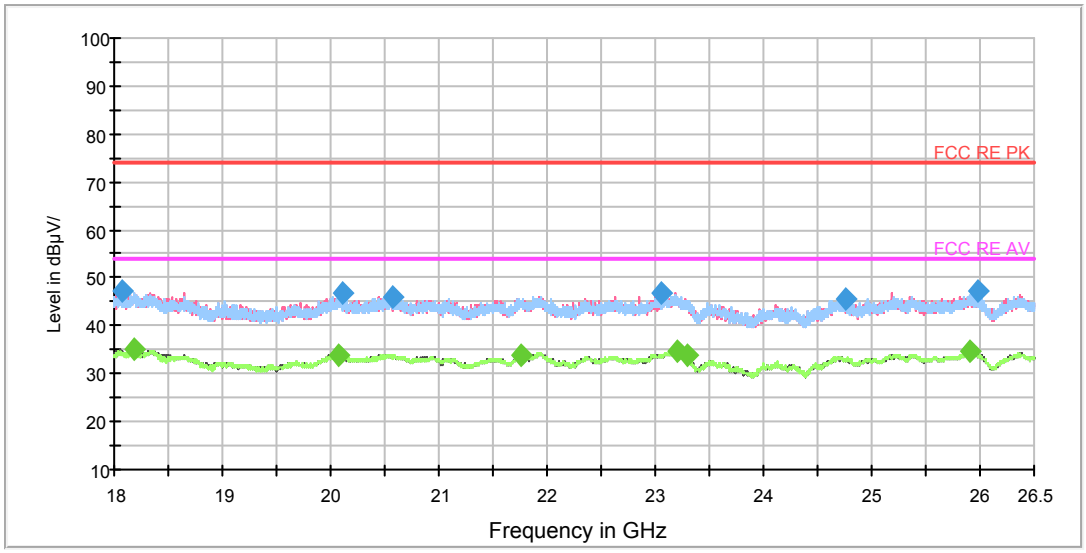
RE 18-26.5GHz PK+AV



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)
18079.687500	47.2	V	177.0	49.3	-2.1	26.8	74
20104.812500	46.7	H	89.0	52.5	-5.8	27.3	74
20571.250000	45.8	V	0.0	52.2	-6.4	28.2	74
23052.187500	46.7	H	177.0	52.8	-6.1	27.3	74
24754.312500	45.4	H	0.0	51.4	-6.0	28.6	74
25973.000000	47.2	H	154.0	52.6	-5.4	26.8	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)
18179.562500	34.9	V	0.0	37.5	-2.6	19.1	54
20082.500000	33.9	V	156.0	39.6	-5.7	20.1	54
21762.312500	34.0	H	0.0	42.0	-8.0	20.0	54
23210.500000	34.6	H	23.0	40.6	-6.0	19.4	54
23298.687500	33.7	V	265.0	39.7	-6.0	20.3	54
25899.687500	34.7	H	67.0	40.1	-5.4	19.3	54

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

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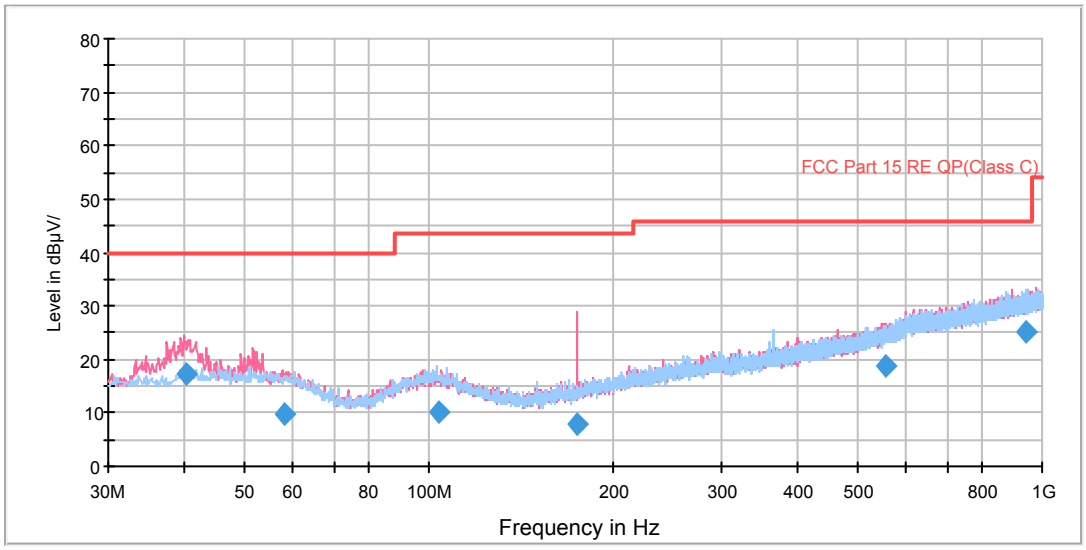

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
40.142500	17.4	100.0	V	249.0	30.6	-13.2	22.6	40.0
58.087500	9.9	113.0	V	353.0	22.5	-12.6	30.1	40.0
103.475000	10.0	175.0	H	199.0	22.9	-12.9	33.5	43.5
174.850000	7.9	100.0	V	334.0	18.4	-10.5	35.6	43.5
555.740000	18.9	100.0	V	102.0	40.1	-21.2	27.1	46.0
939.333750	25.3	125.0	H	24.0	51.2	-25.9	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

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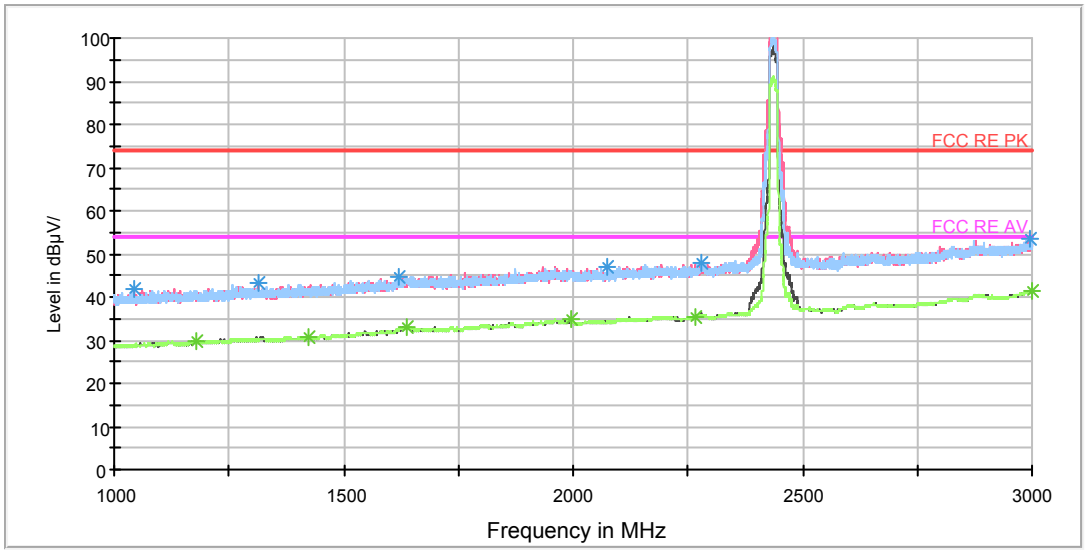
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1045.250000	41.9	101.0	V	120.0	50.9	-9.0	32.1	74
1312.250000	43.3	101.0	V	143.0	50.9	-7.6	30.7	74
1622.000000	44.8	101.0	V	0.0	49.6	-4.8	29.2	74
2073.000000	47.1	101.0	V	166.0	50.2	-3.1	26.9	74
2996.000000	53.7	101.0	V	282.0	56.0	-2.3	20.3	74
2280.000000	48.1	101.0	V	282.0	49.4	-1.3	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)
1178.250000	29.9	101.0	V	0.0	37.9	-8.0	24.1	54
1424.500000	30.8	101.0	V	72.0	37.7	-6.9	23.2	54
1637.750000	33.0	101.0	V	282.0	37.7	-4.7	21.0	54
1993.500000	34.8	101.0	H	8.0	38.1	-3.3	19.2	54
3000.000000	41.4	101.0	H	0.0	43.7	-2.3	12.6	54
2268.250000	35.6	101.0	V	282.0	37.4	-1.8	18.4	54

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

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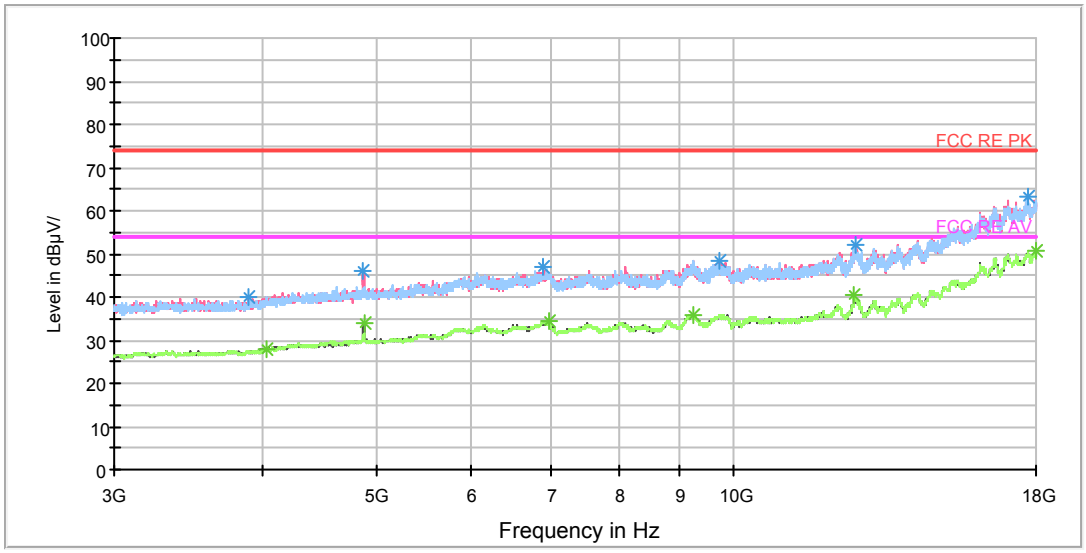
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3894.375000	40.2	102.0	V	184.0	41.5	-1.3	33.8	74
4871.250000	45.9	102.0	V	0.0	47.7	-1.8	28.1	74
6903.750000	47.2	102.0	V	0.0	53.5	-6.3	26.8	74
9742.500000	48.2	102.0	V	297.0	58.2	-10.0	25.8	74
12701.250000	52.2	102.0	V	161.0	66.3	-14.1	21.8	74
17701.875000	63.3	102.0	H	245.0	88.0	-24.7	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)
4040.625000	28.0	102.0	V	342.0	29.0	-1.0	26.0	54
4873.125000	33.9	102.0	V	0.0	35.7	-1.8	20.1	54
6991.875000	34.4	102.0	H	0.0	40.9	-6.5	19.6	54
9240.000000	36.0	102.0	H	15.0	45.9	-9.9	18.0	54
12643.125000	40.3	102.0	H	61.0	54.7	-14.4	13.7	54
18000.000000	50.7	102.0	H	84.0	76.2	-25.5	3.3	54

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

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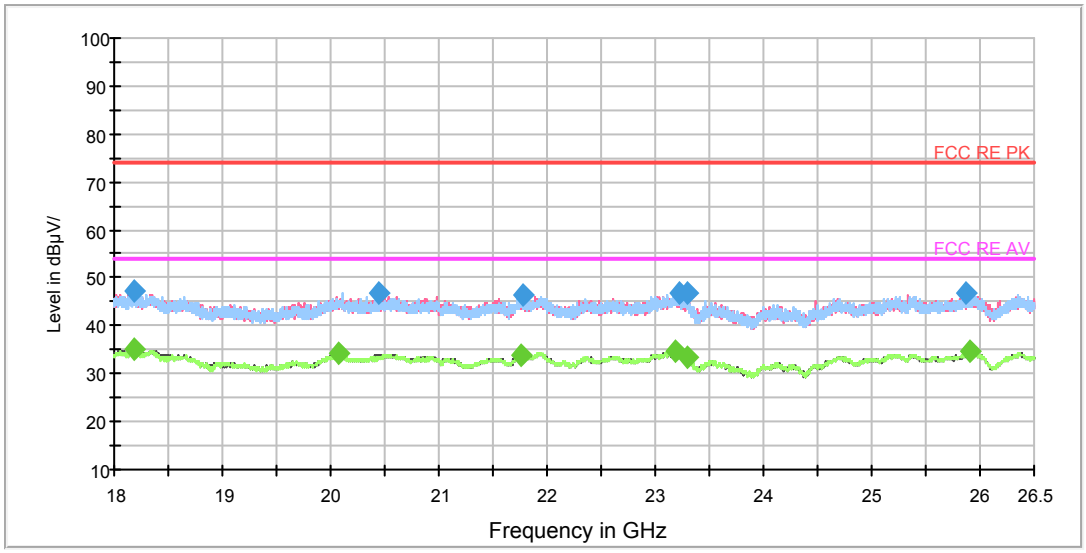
RE 18-26.5GHz PK+AV



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)
18183.812500	47.2	V	0.0	49.8	-2.6	26.8	74
20439.500000	46.6	H	73.0	52.7	-6.1	27.4	74
21785.687500	46.4	H	117.0	54.4	-8.0	27.6	74
23215.812500	46.7	V	0.0	52.7	-6.0	27.3	74
23302.937500	46.7	V	0.0	52.7	-6.0	27.3	74
25862.500000	46.7	V	264.0	52.2	-5.5	27.3	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)
18183.812500	35.1	H	0.0	37.7	-2.6	18.9	54
20068.687500	34.1	V	351.0	39.8	-5.7	19.9	54
21755.937500	34.1	H	0.0	42.1	-8.0	19.9	54
23176.500000	34.8	V	0.0	40.9	-6.1	19.2	54
23300.812500	33.6	V	110.0	39.6	-6.0	20.4	54
25907.125000	34.6	V	351.0	40.0	-5.4	19.4	54

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

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802.11g CH11

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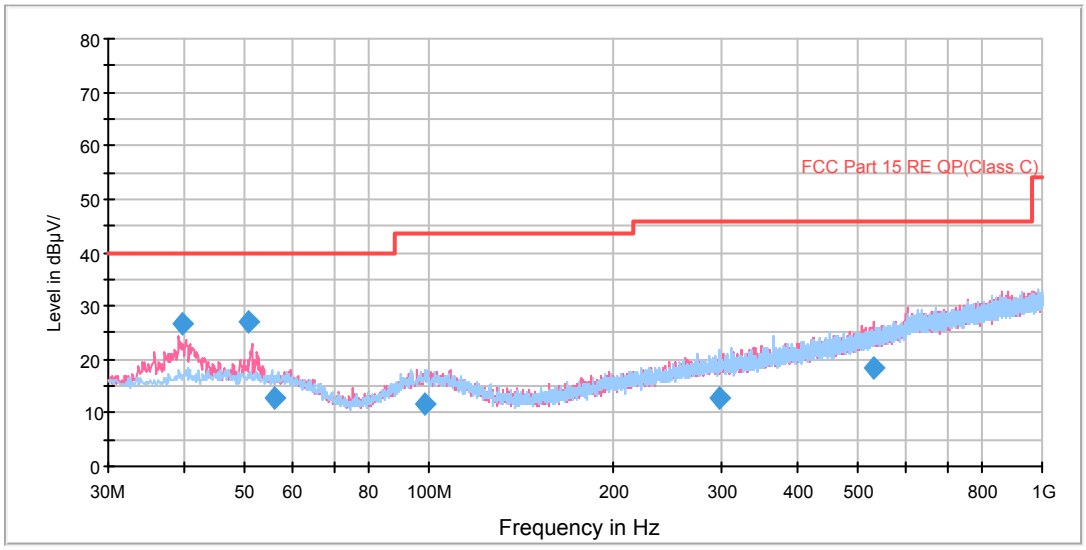

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.573750	26.7	100.0	V	263.0	39.8	-13.1	13.3	40.0
50.982500	27.1	100.0	V	280.0	40.0	-12.9	12.9	40.0
55.942500	12.7	114.0	H	176.0	25.4	-12.7	27.3	40.0
98.148750	11.7	175.0	H	116.0	24.7	-13.0	31.8	43.5
298.525000	12.9	203.0	H	296.0	28.3	-15.4	33.1	46.0
532.297500	18.3	189.0	V	181.0	38.9	-20.6	27.7	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

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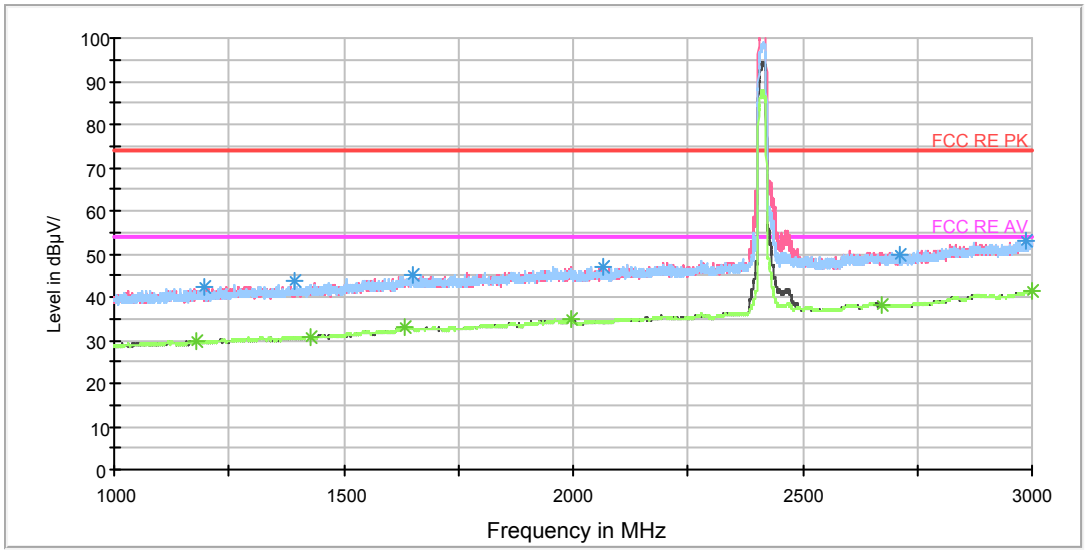
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1198.000000	42.2	101.0	V	353.0	50.4	-8.2	31.8	74
1394.250000	43.6	101.0	H	0.0	50.7	-7.1	30.4	74
1650.250000	45.3	101.0	V	0.0	50.4	-5.1	28.7	74
2066.750000	47.1	101.0	H	30.0	50.2	-3.1	26.9	74
2986.250000	53.2	101.0	H	0.0	55.4	-2.2	20.8	74
2709.750000	49.8	101.0	H	0.0	49.9	-0.1	24.2	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)
1179.250000	29.8	101.0	V	214.0	37.8	-8.0	24.2	54
1427.000000	30.9	101.0	V	0.0	37.8	-6.9	23.1	54
1631.750000	33.1	101.0	H	265.0	37.8	-4.7	20.9	54
1997.000000	35.0	101.0	V	191.0	38.3	-3.3	19.0	54
2998.750000	41.5	101.0	V	0.0	43.8	-2.3	12.5	54
2672.000000	38.2	101.0	H	76.0	38.5	-0.3	15.8	54

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

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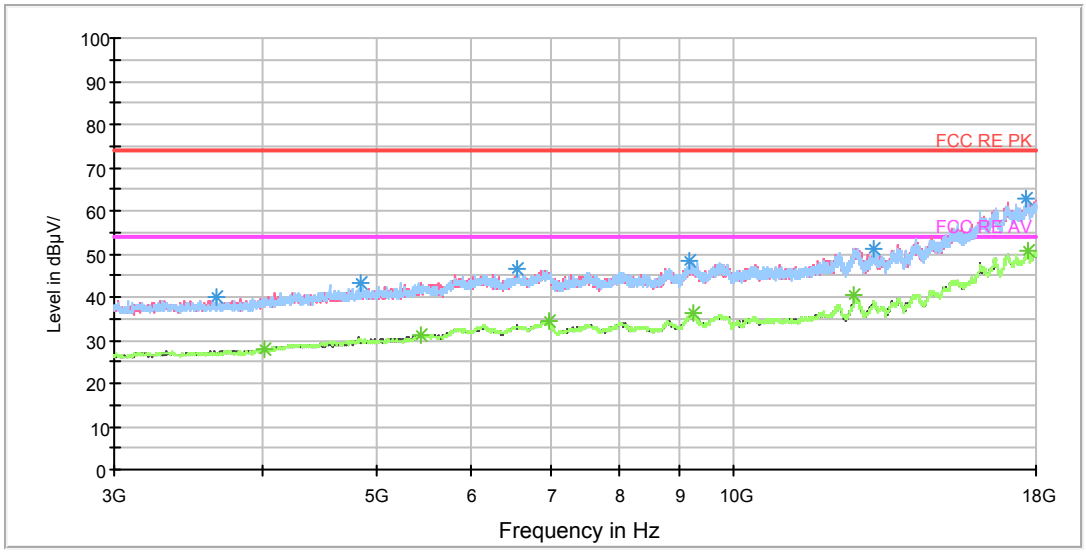
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3660.000000	39.8	102.0	H	34.0	41.7	-1.9	34.2	74
4841.250000	43.1	102.0	H	0.0	44.7	-1.6	30.9	74
6571.875000	46.4	102.0	H	175.0	52.0	-5.6	27.6	74
9165.000000	48.1	102.0	V	321.0	58.4	-10.3	25.9	74
13141.875000	51.2	102.0	H	291.0	65.6	-14.4	22.8	74
17677.500000	62.6	102.0	V	276.0	87.1	-24.5	11.4	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)
4020.000000	28.0	102.0	H	57.0	29.2	-1.2	26.0	54
5448.750000	31.2	102.0	V	321.0	34.0	-2.8	22.8	54
6997.500000	34.3	102.0	H	125.0	40.8	-6.5	19.7	54
9234.375000	36.1	102.0	H	11.0	46.0	-9.9	17.9	54
12641.250000	40.4	102.0	H	34.0	54.9	-14.5	13.6	54
17700.000000	50.6	102.0	H	57.0	75.3	-24.7	3.4	54

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

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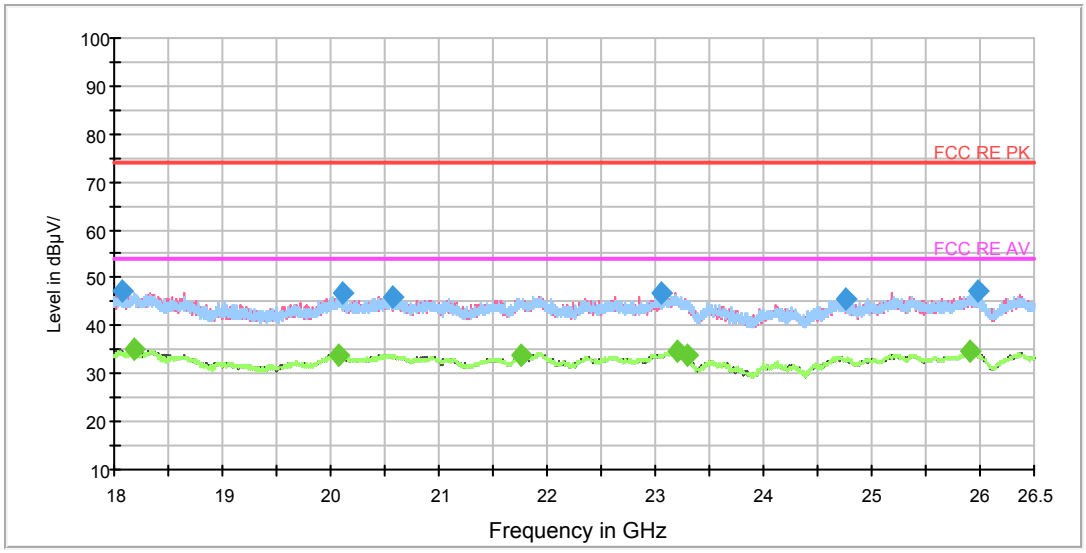
RE 18-26.5GHz PK+AV



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)
18079.687500	47.2	V	177.0	49.3	-2.1	26.8	74
20104.812500	46.7	H	89.0	52.5	-5.8	27.3	74
20571.250000	45.8	V	0.0	52.2	-6.4	28.2	74
23052.187500	46.7	H	177.0	52.8	-6.1	27.3	74
24754.312500	45.4	H	0.0	51.4	-6.0	28.6	74
25973.000000	47.2	H	154.0	52.6	-5.4	26.8	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)
18179.562500	34.9	V	0.0	37.5	-2.6	19.1	54
20082.500000	33.9	V	156.0	39.6	-5.7	20.1	54
21762.312500	34.0	H	0.0	42.0	-8.0	20.0	54
23210.500000	34.6	H	23.0	40.6	-6.0	19.4	54
23298.687500	33.7	V	265.0	39.7	-6.0	20.3	54
25899.687500	34.7	H	67.0	40.1	-5.4	19.3	54

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

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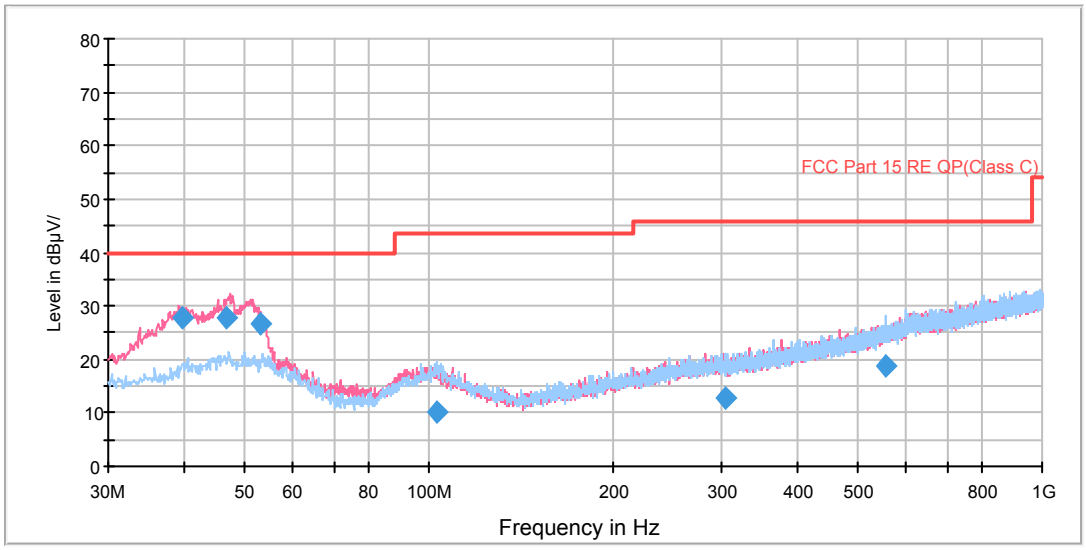
802.11n (HT20) CH1

FCC RE 0.03-1GHz QP Class C



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)
39.573750	27.6	100.0	V	263.0	40.7	-13.1	12.4	40.0
46.738750	27.8	100.0	V	280.0	40.9	-13.1	12.2	40.0
53.326250	26.6	100.0	V	242.0	39.4	-12.8	13.4	40.0
103.273750	10.0	175.0	H	344.0	22.9	-12.9	33.5	43.5
304.506250	12.7	175.0	H	286.0	28.2	-15.5	33.3	46.0
557.633750	18.9	202.0	H	4.0	40.1	-21.2	27.1	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

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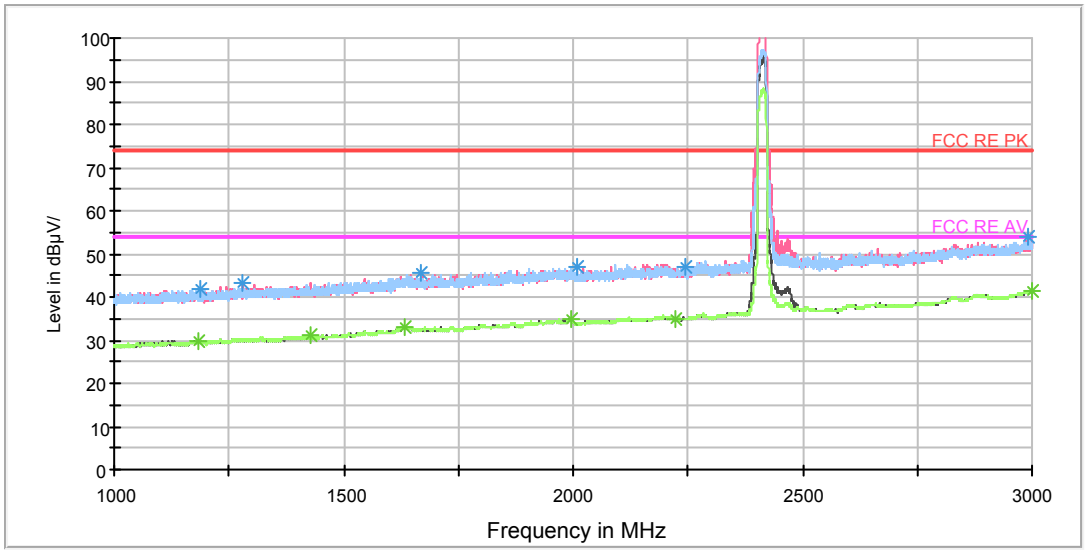
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1186.250000	41.9	101.0	H	77.0	50.0	-8.1	32.1	74
1281.500000	43.2	101.0	V	351.0	50.8	-7.6	30.8	74
1668.500000	45.7	101.0	H	54.0	50.8	-5.1	28.3	74
2008.500000	46.8	101.0	H	0.0	50.3	-3.5	27.2	74
2990.250000	53.9	101.0	V	97.0	56.1	-2.2	20.1	74
2242.750000	47.0	101.0	H	0.0	49.5	-2.5	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)
1185.500000	29.9	101.0	V	351.0	38.0	-8.1	24.1	54
1426.500000	30.9	101.0	H	77.0	37.8	-6.9	23.1	54
1632.500000	33.1	101.0	V	213.0	37.8	-4.7	20.9	54
1996.000000	34.7	101.0	V	236.0	38.0	-3.3	19.3	54
2999.500000	41.5	101.0	V	259.0	43.8	-2.3	12.5	54
2222.250000	35.1	101.0	H	0.0	37.5	-2.4	18.9	54

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

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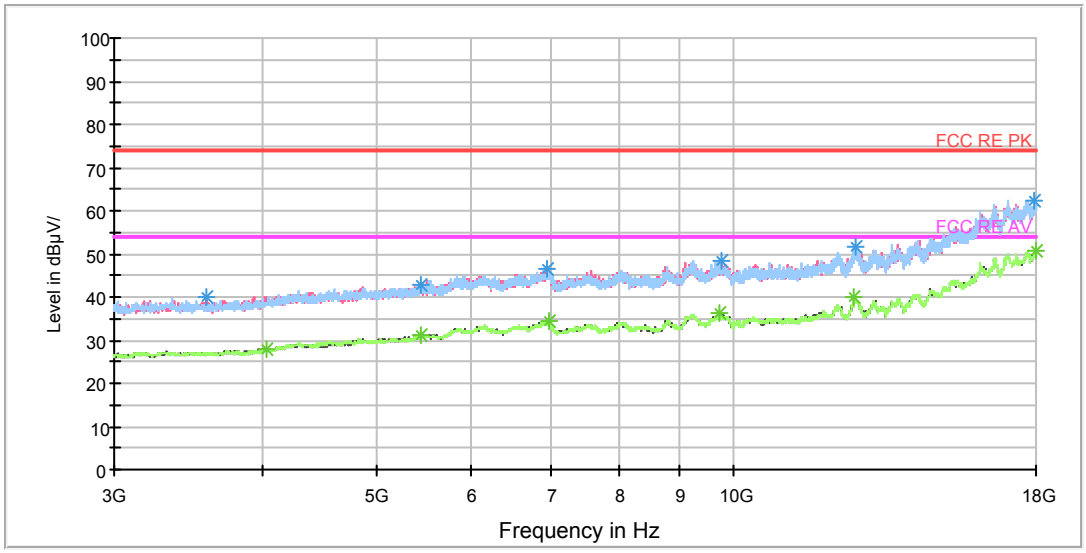
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3592.500000	40.0	102.0	V	0.0	42.3	-2.3	34.0	74
5445.000000	42.9	102.0	V	0.0	45.8	-2.9	31.1	74
6967.500000	46.7	102.0	H	39.0	53.0	-6.3	27.3	74
9757.500000	48.5	102.0	V	186.0	58.1	-9.6	25.5	74
12697.500000	51.5	102.0	V	67.0	65.6	-14.1	22.5	74
17936.250000	62.4	102.0	H	199.0	87.5	-25.1	11.6	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)
4040.625000	28.1	102.0	V	163.0	29.1	-1.0	25.9	54
5435.625000	31.2	102.0	H	0.0	34.1	-2.9	22.8	54
6997.500000	34.4	102.0	H	199.0	40.9	-6.5	19.6	54
9740.625000	36.1	102.0	H	130.0	46.1	-10.0	17.9	54
12641.250000	40.2	102.0	V	0.0	54.7	-14.5	13.8	54
17998.125000	50.7	102.0	H	63.0	76.1	-25.4	3.3	54

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

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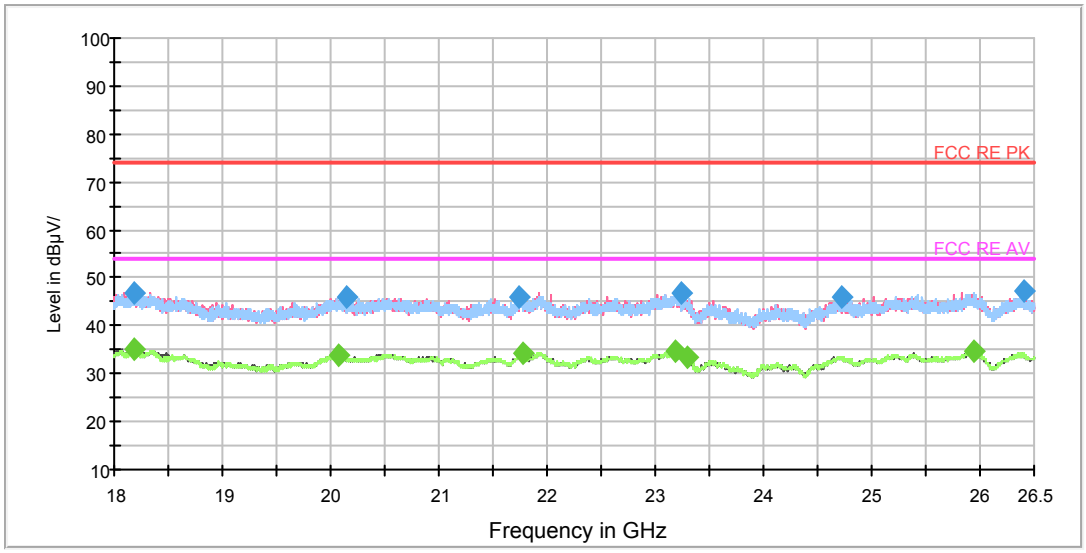
RE 18-26.5GHz PK+AV



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)
18187.000000	47.0	V	265.0	49.6	-2.6	27.0	74
20139.875000	46.2	H	28.0	52.0	-5.8	27.8	74
21749.562500	46.2	V	352.0	54.2	-8.0	27.8	74
23238.125000	46.7	H	203.0	52.7	-6.0	27.3	74
24715.000000	45.9	H	0.0	51.9	-6.0	28.1	74
26410.750000	47.1	V	330.0	52.5	-5.4	26.9	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)
18192.312500	34.9	V	330.0	37.5	-2.6	19.1	54
20070.812500	33.9	V	0.0	39.6	-5.7	20.1	54
21769.750000	34.1	V	243.0	42.1	-8.0	19.9	54
23190.312500	34.6	V	66.0	40.6	-6.0	19.4	54
23299.750000	33.6	H	318.0	39.6	-6.0	20.4	54
25937.937500	34.6	H	0.0	40.0	-5.4	19.4	54

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

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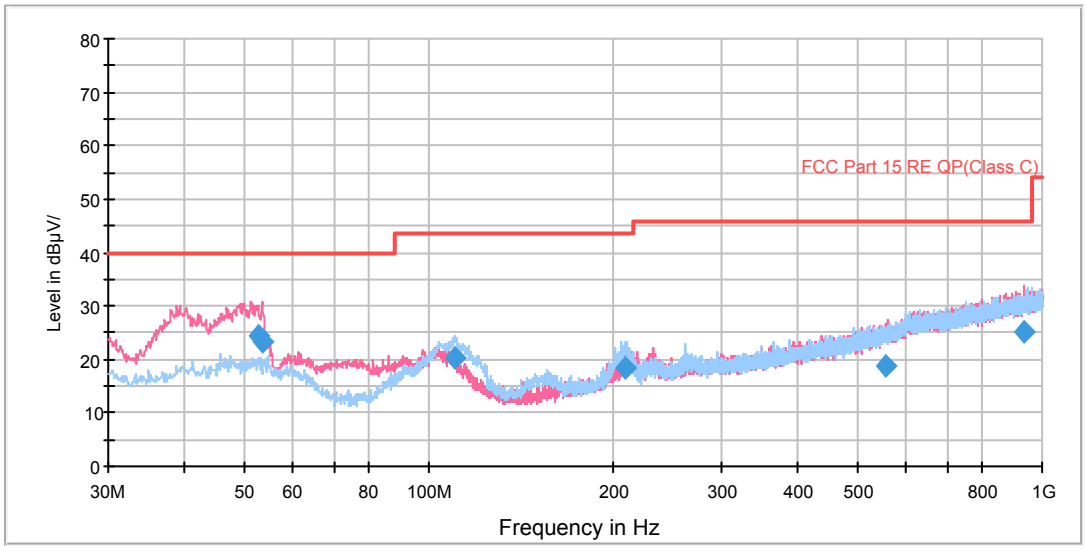
802.11n (HT20) CH6

FCC RE 0.03-1GHz QP Class C



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)
39.573750	27.6	100.0	V	263.0	40.7	-13.1	12.4	40.0
46.738750	27.8	100.0	V	280.0	40.9	-13.1	12.2	40.0
53.326250	26.6	100.0	V	242.0	39.4	-12.8	13.4	40.0
103.273750	10.0	175.0	H	344.0	22.9	-12.9	33.5	43.5
304.506250	12.7	175.0	H	286.0	28.2	-15.5	33.3	46.0
557.633750	18.9	202.0	H	4.0	40.1	-21.2	27.1	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

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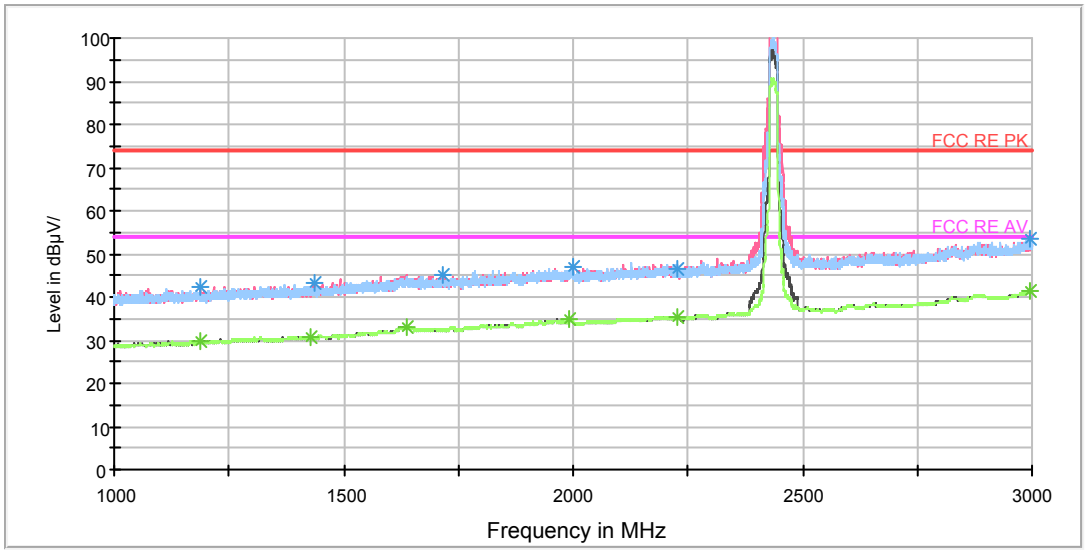
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1186.250000	42.2	101.0	V	121.0	50.3	-8.1	31.8	74
1436.000000	43.3	101.0	V	0.0	50.2	-6.9	30.7	74
1717.000000	45.0	101.0	V	352.0	49.9	-4.9	29.0	74
2000.500000	47.2	101.0	H	193.0	50.6	-3.4	26.8	74
2996.000000	53.4	101.0	V	0.0	55.7	-2.3	20.6	74
2229.250000	46.6	101.0	V	283.0	49.1	-2.5	27.4	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)
1188.750000	29.9	101.0	H	32.0	38.1	-8.2	24.1	54
1426.250000	30.8	101.0	H	217.0	37.7	-6.9	23.2	54
1639.250000	33.0	101.0	H	0.0	37.7	-4.7	21.0	54
1992.500000	34.9	101.0	H	0.0	38.2	-3.3	19.1	54
2996.250000	41.5	101.0	H	217.0	43.8	-2.3	12.5	54
2226.750000	35.2	101.0	V	96.0	37.6	-2.4	18.8	54

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

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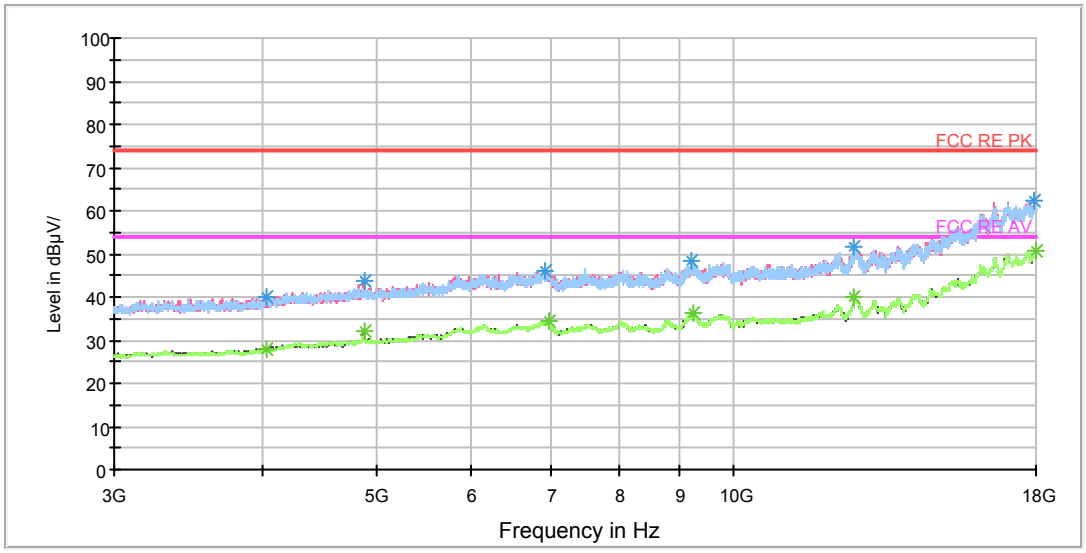
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4038.750000	39.8	102.0	V	0.0	40.8	-1.0	34.2	74
4875.000000	43.8	102.0	V	0.0	45.6	-1.8	30.2	74
6922.500000	46.3	102.0	V	185.0	52.5	-6.2	27.7	74
9210.000000	48.6	102.0	V	0.0	58.7	-10.1	25.4	74
12645.000000	51.8	102.0	H	62.0	66.2	-14.4	22.2	74
17926.875000	62.5	102.0	H	39.0	88.0	-25.5	11.5	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)
4038.750000	27.9	102.0	V	0.0	28.9	-1.0	26.1	54
4875.000000	32.1	102.0	V	0.0	33.9	-1.8	21.9	54
6997.500000	34.4	102.0	V	0.0	40.9	-6.5	19.6	54
9238.125000	36.2	102.0	H	39.0	46.1	-9.9	17.8	54
12639.375000	40.1	102.0	V	298.0	54.6	-14.5	13.9	54
18000.000000	50.8	102.0	H	107.0	76.3	-25.5	3.2	54

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

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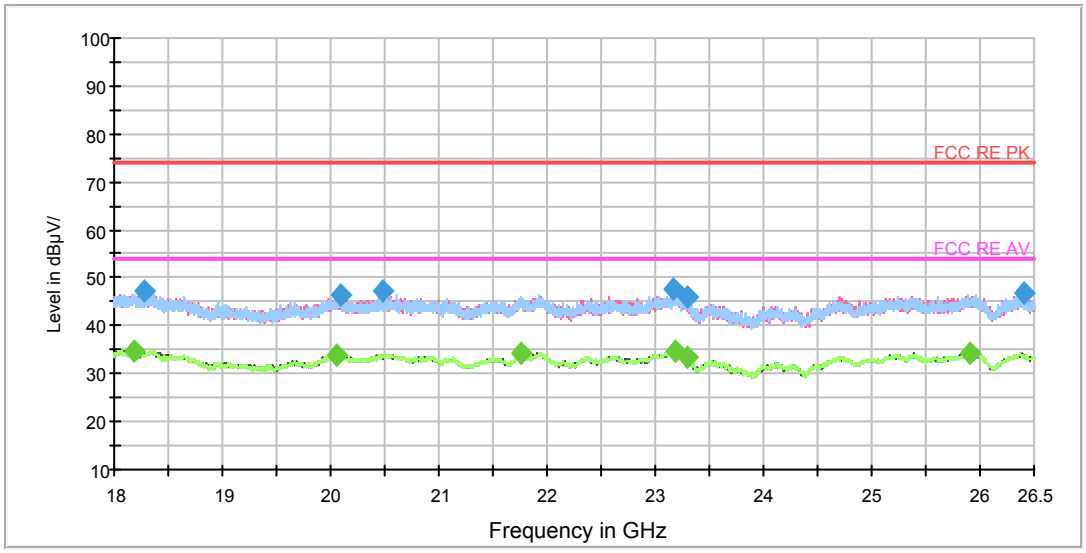
RE 18-26.5GHz PK+AV



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)
18275.187500	47.2	V	265.0	50.2	-3.0	26.8	74
20098.437500	46.3	V	88.0	52.1	-5.8	27.7	74
20478.812500	47.1	H	0.0	53.3	-6.2	26.9	74
23173.312500	47.8	V	286.0	53.9	-6.1	26.2	74
23296.562500	46.2	H	29.0	52.2	-6.0	27.8	74
26399.062500	46.9	H	0.0	52.3	-5.4	27.1	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)
18191.250000	34.9	V	88.0	37.5	-2.6	19.1	54
20059.125000	34.0	V	265.0	39.7	-5.7	20.0	54
21751.687500	34.2	H	29.0	42.2	-8.0	19.8	54
23186.062500	34.5	H	0.0	40.5	-6.0	19.5	54
23295.500000	33.6	H	0.0	39.6	-6.0	20.4	54
25906.062500	34.4	H	29.0	39.8	-5.4	19.6	54

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

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802.11n (HT20) CH11

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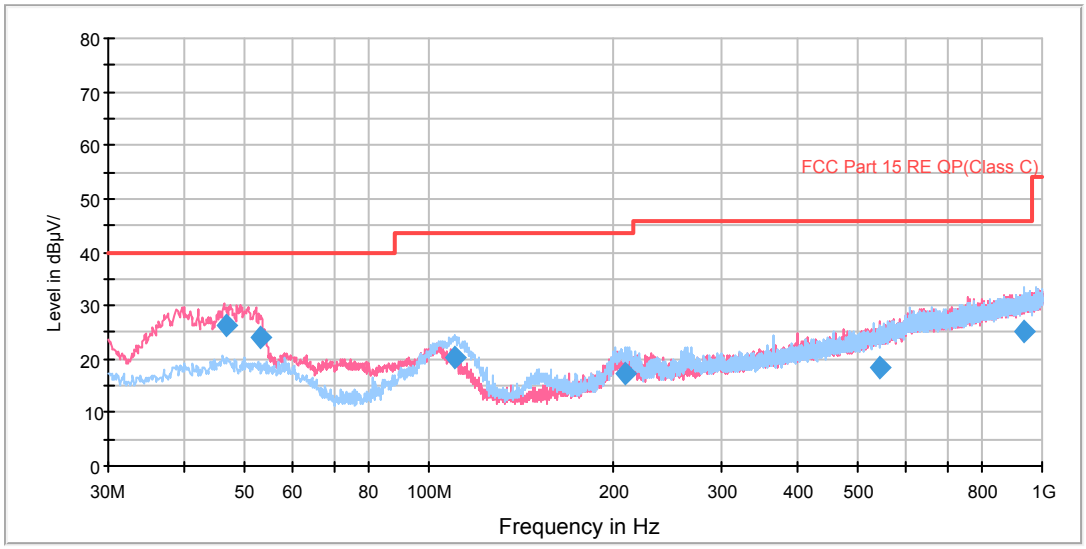

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
46.807500	26.1	100.0	V	254.0	39.2	-13.1	13.9	40.0
53.286250	24.0	100.0	V	249.0	36.8	-12.8	16.0	40.0
110.267500	20.2	225.0	H	341.0	32.5	-12.3	23.3	43.5
209.172500	17.3	125.0	H	184.0	29.7	-12.4	26.2	43.5
541.917500	18.5	100.0	V	153.0	39.4	-20.9	27.5	46.0
936.098750	25.2	100.0	H	22.0	51.1	-25.9	20.8	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

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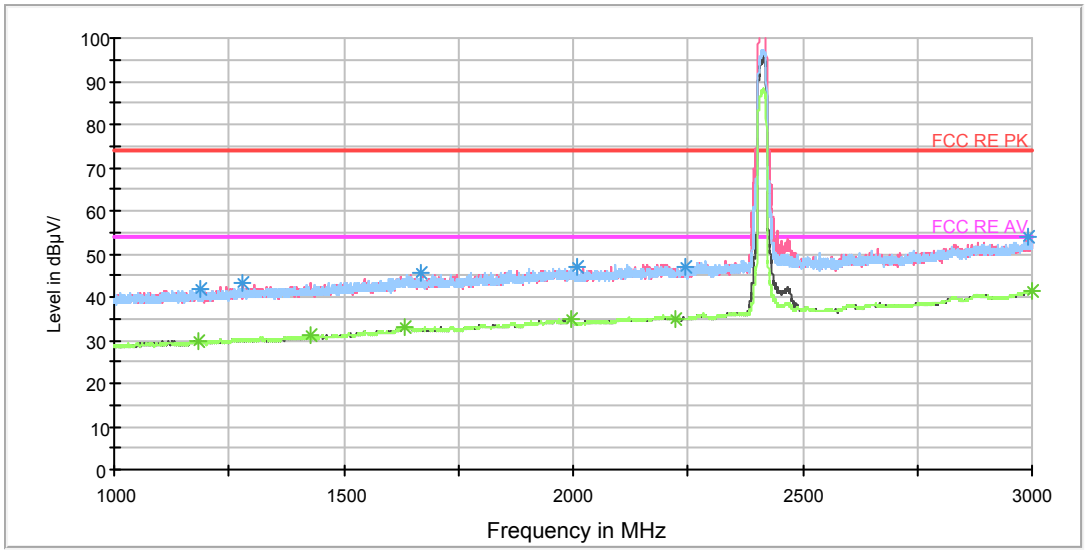
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1186.250000	41.9	101.0	H	77.0	50.0	-8.1	32.1	74
1281.500000	43.2	101.0	V	351.0	50.8	-7.6	30.8	74
1668.500000	45.7	101.0	H	54.0	50.8	-5.1	28.3	74
2008.500000	46.8	101.0	H	0.0	50.3	-3.5	27.2	74
2990.250000	53.9	101.0	V	97.0	56.1	-2.2	20.1	74
2242.750000	47.0	101.0	H	0.0	49.5	-2.5	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)
1185.500000	29.9	101.0	V	351.0	38.0	-8.1	24.1	54
1426.500000	30.9	101.0	H	77.0	37.8	-6.9	23.1	54
1632.500000	33.1	101.0	V	213.0	37.8	-4.7	20.9	54
1996.000000	34.7	101.0	V	236.0	38.0	-3.3	19.3	54
2999.500000	41.5	101.0	V	259.0	43.8	-2.3	12.5	54
2222.250000	35.1	101.0	H	0.0	37.5	-2.4	18.9	54

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

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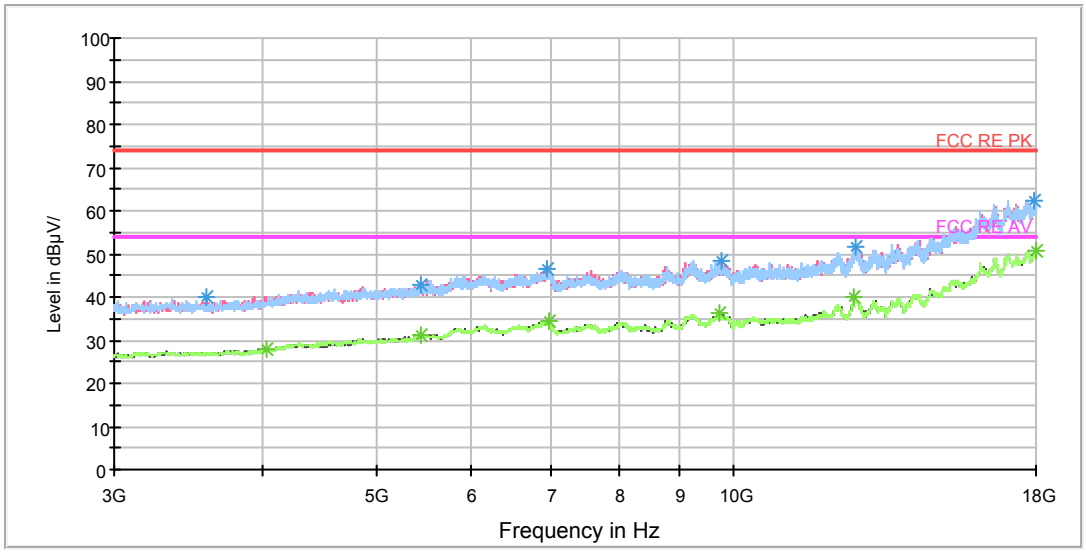
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3592.500000	40.0	102.0	V	0.0	42.3	-2.3	34.0	74
5445.000000	42.9	102.0	V	0.0	45.8	-2.9	31.1	74
6967.500000	46.7	102.0	H	39.0	53.0	-6.3	27.3	74
9757.500000	48.5	102.0	V	186.0	58.1	-9.6	25.5	74
12697.500000	51.5	102.0	V	67.0	65.6	-14.1	22.5	74
17936.250000	62.4	102.0	H	199.0	87.5	-25.1	11.6	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)
4040.625000	28.1	102.0	V	163.0	29.1	-1.0	25.9	54
5435.625000	31.2	102.0	H	0.0	34.1	-2.9	22.8	54
6997.500000	34.4	102.0	H	199.0	40.9	-6.5	19.6	54
9740.625000	36.1	102.0	H	130.0	46.1	-10.0	17.9	54
12641.250000	40.2	102.0	V	0.0	54.7	-14.5	13.8	54
17998.125000	50.7	102.0	H	63.0	76.1	-25.4	3.3	54

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

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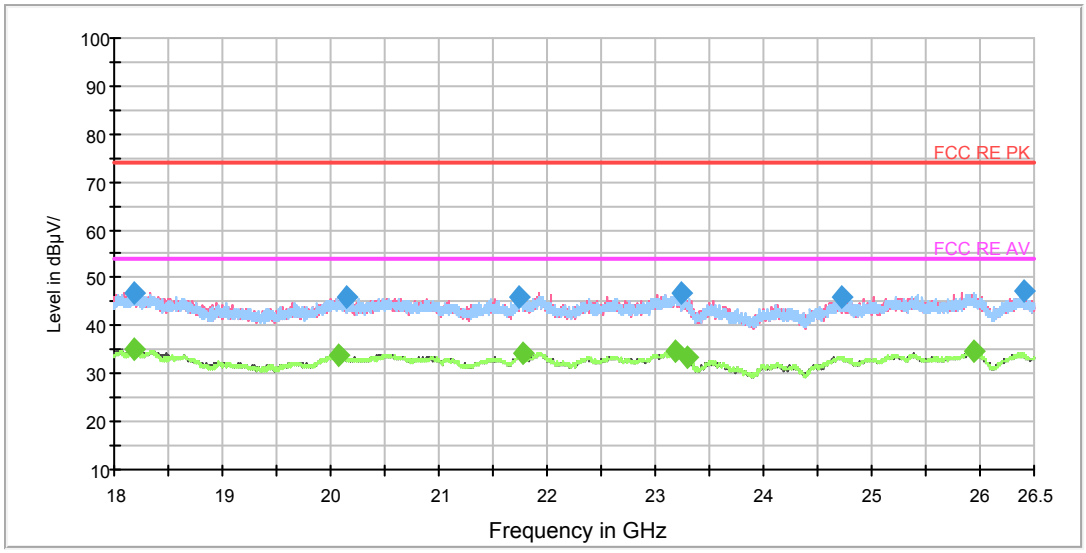
RE 18-26.5GHz PK+AV



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)
18187.000000	47.0	V	265.0	49.6	-2.6	27.0	74
20139.875000	46.2	H	28.0	52.0	-5.8	27.8	74
21749.562500	46.2	V	352.0	54.2	-8.0	27.8	74
23238.125000	46.7	H	203.0	52.7	-6.0	27.3	74
24715.000000	45.9	H	0.0	51.9	-6.0	28.1	74
26410.750000	47.1	V	330.0	52.5	-5.4	26.9	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)
18192.312500	34.9	V	330.0	37.5	-2.6	19.1	54
20070.812500	33.9	V	0.0	39.6	-5.7	20.1	54
21769.750000	34.1	V	243.0	42.1	-8.0	19.9	54
23190.312500	34.6	V	66.0	40.6	-6.0	19.4	54
23299.750000	33.6	H	318.0	39.6	-6.0	20.4	54
25937.937500	34.6	H	0.0	40.0	-5.4	19.4	54

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

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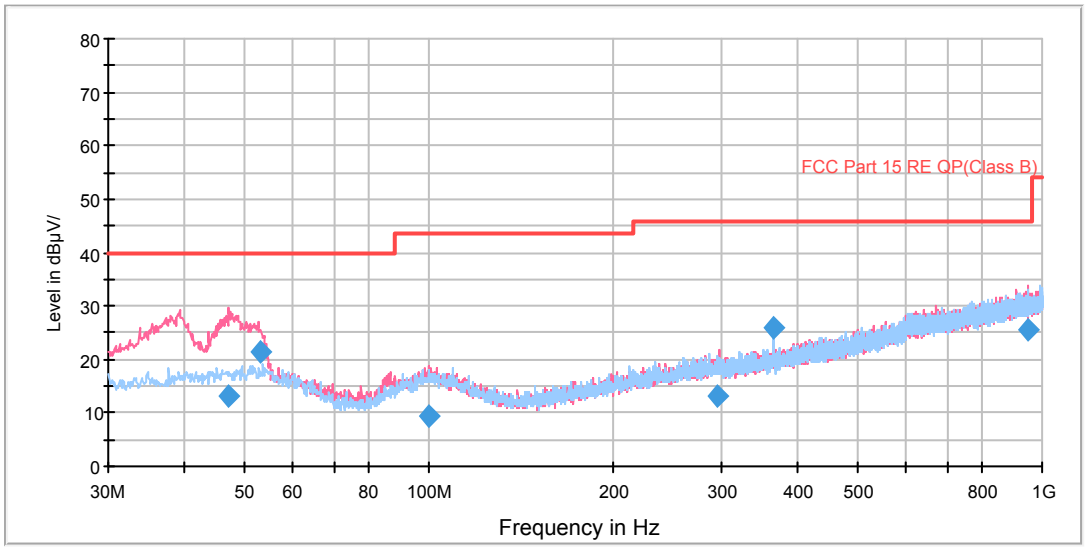
BLE-Channel 0

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)
47.136250	13.3	100.0	V	175.0	26.3	-13.0	26.7	40.0
53.286250	21.5	100.0	V	116.0	34.3	-12.8	18.5	40.0
99.843750	9.6	125.0	V	198.0	22.8	-13.2	33.9	43.5
296.311250	13.0	100.0	V	128.0	28.4	-15.4	33.0	46.0
364.003750	26.0	100.0	H	120.0	43.1	-17.1	20.0	46.0
947.130000	25.4	125.0	V	186.0	51.4	-26.0	20.6	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

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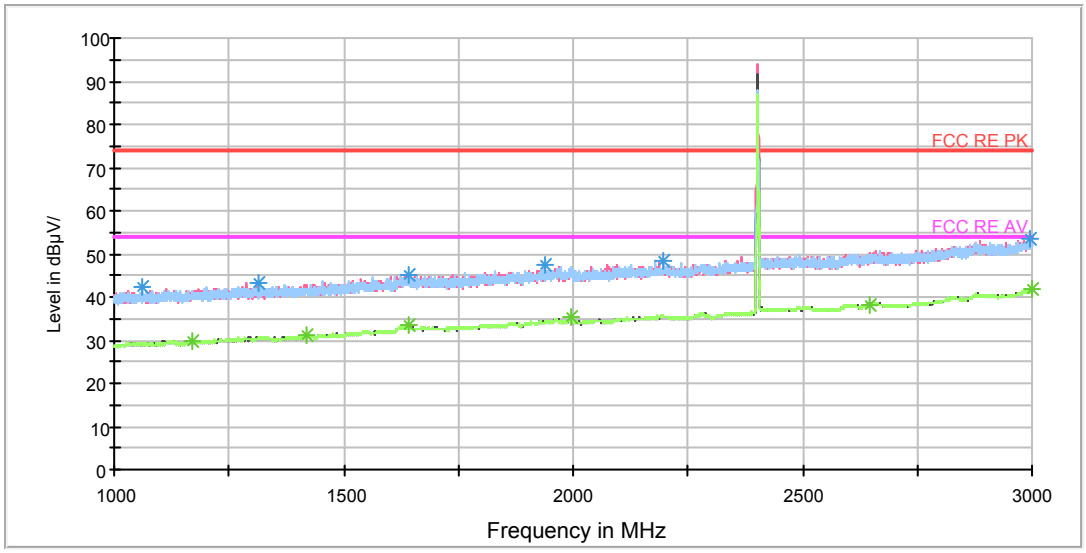
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1059.750000	42.4	102.0	H	30.0	51.3	-8.9	31.6	74
1316.250000	43.1	102.0	H	53.0	50.6	-7.5	30.9	74
1640.750000	45.2	102.0	H	216.0	49.9	-4.7	28.8	74
1940.750000	47.5	102.0	H	30.0	51.1	-3.6	26.5	74
2195.750000	48.2	102.0	V	169.0	50.3	-2.1	25.8	74
2997.000000	53.7	102.0	H	76.0	56.0	-2.3	20.3	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)
1170.250000	29.9	102.0	V	21.0	38.0	-8.1	24.1	54
1418.250000	31.1	102.0	V	215.0	38.0	-6.9	22.9	54
1639.750000	33.3	102.0	V	332.0	38.0	-4.7	20.7	54
1995.000000	35.1	102.0	H	6.0	38.3	-3.2	18.9	54
2646.750000	38.1	102.0	V	238.0	38.4	-0.3	15.9	54
2999.500000	41.7	102.0	V	0.0	44.0	-2.3	12.3	54

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

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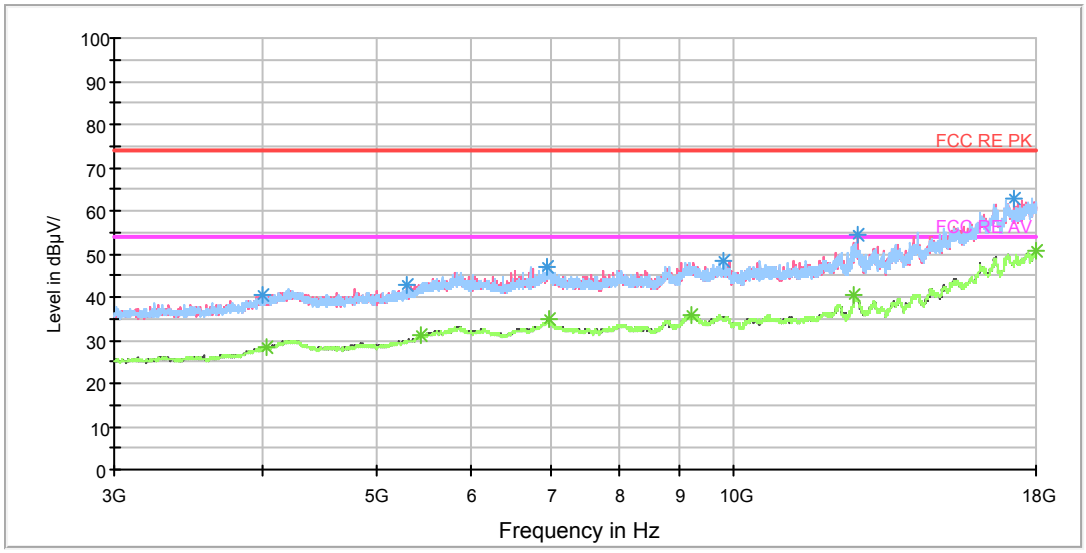
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4003.125000	40.4	102.0	V	319.0	41.5	-1.1	33.6	74
5295.000000	42.9	102.0	V	0.0	45.2	-2.3	31.1	74
6961.875000	47.1	102.0	V	43.0	53.3	-6.2	26.9	74
9796.875000	48.5	102.0	H	20.0	58.5	-10.0	25.5	74
12731.250000	54.4	102.0	V	297.0	68.4	-14.0	19.6	74
17221.875000	62.7	102.0	V	319.0	86.2	-23.5	11.3	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)
4027.500000	28.3	102.0	V	206.0	29.4	-1.1	25.7	54
5443.125000	31.1	102.0	V	0.0	34.0	-2.9	22.9	54
6997.500000	35.0	102.0	V	341.0	41.5	-6.5	19.0	54
9204.375000	36.0	102.0	H	293.0	46.2	-10.2	18.0	54
12641.250000	40.5	102.0	V	137.0	55.0	-14.5	13.5	54
18000.000000	50.7	102.0	H	65.0	76.2	-25.5	3.3	54

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

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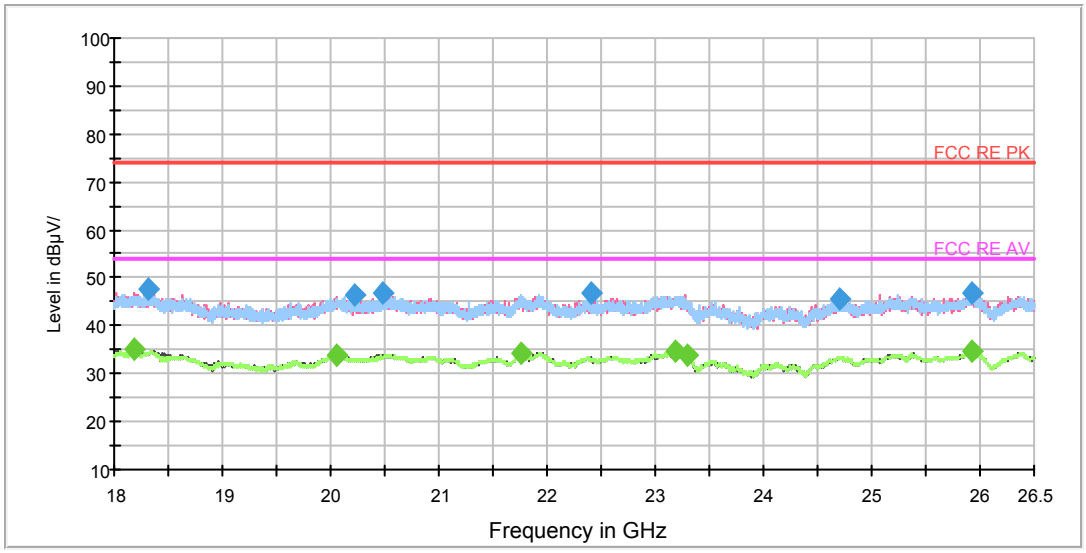
RE 18-26.5GHz PK+AV



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)
18315.562500	47.7	H	0.0	50.8	-3.1	26.3	74
20218.500000	46.3	H	342.0	52.2	-5.9	27.7	74
20488.375000	46.7	H	0.0	52.9	-6.2	27.3	74
22409.375000	46.9	V	286.0	54.0	-7.1	27.1	74
24700.125000	45.8	H	0.0	51.8	-6.0	28.2	74
25927.312500	47.0	V	243.0	52.4	-5.4	27.0	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)
18187.000000	35.0	V	221.0	37.6	-2.6	19.0	54
20059.125000	34.0	V	351.0	39.7	-5.7	20.0	54
21752.750000	34.1	V	177.0	42.1	-8.0	19.9	54
23180.750000	34.6	V	18.0	40.6	-6.0	19.4	54
23296.562500	33.8	H	228.0	39.8	-6.0	20.2	54
25930.500000	34.7	V	0.0	40.1	-5.4	19.3	54

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

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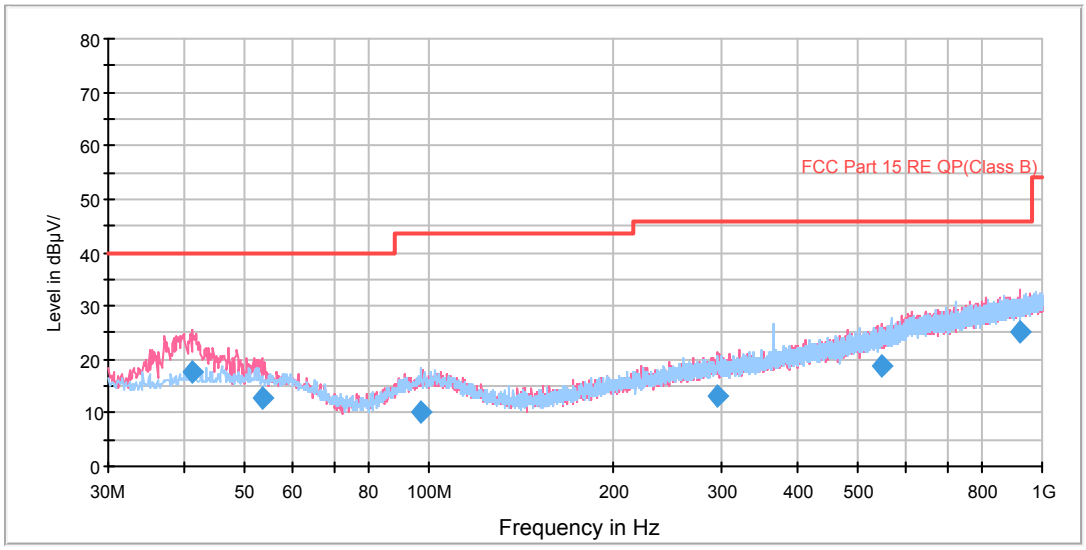
BLE-Channel 19

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)
41.075000	17.6	100.0	V	163.0	30.8	-13.2	22.4	40.0
53.528750	12.6	100.0	V	100.0	25.4	-12.8	27.4	40.0
97.288750	10.0	100.0	H	198.0	22.9	-12.9	33.5	43.5
296.148750	13.0	125.0	V	328.0	28.4	-15.4	33.0	46.0
548.711250	18.7	100.0	V	0.0	39.7	-21.0	27.3	46.0
923.011250	25.1	125.0	V	356.0	50.9	-25.8	20.9	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

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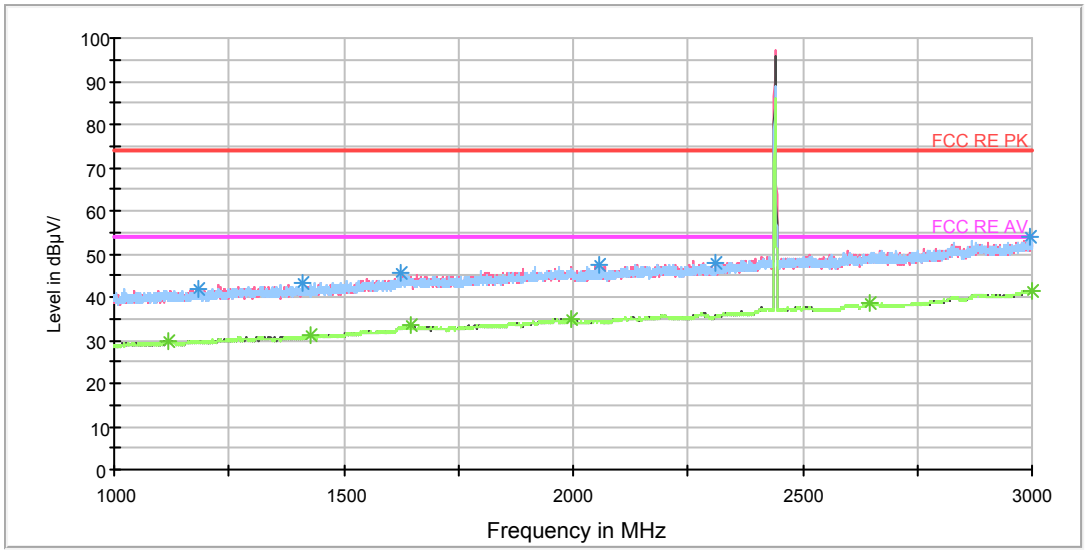
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1183.250000	42.0	102.0	H	0.0	50.0	-8.0	32.0	74
1411.250000	43.1	102.0	H	0.0	50.2	-7.1	30.9	74
1626.000000	45.4	102.0	H	0.0	50.2	-4.8	28.6	74
2057.250000	47.3	102.0	V	260.0	50.5	-3.2	26.7	74
2312.000000	47.7	102.0	V	260.0	49.6	-1.9	26.3	74
2997.250000	53.8	102.0	H	0.0	56.1	-2.3	20.2	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)
1118.500000	29.8	102.0	V	260.0	38.4	-8.6	24.2	54
1427.500000	31.0	102.0	V	306.0	37.9	-6.9	23.0	54
1645.250000	33.3	102.0	V	283.0	38.2	-4.9	20.7	54
1994.750000	34.9	102.0	V	0.0	38.1	-3.2	19.1	54
2647.000000	38.4	102.0	V	0.0	38.7	-0.3	15.6	54
2998.750000	41.5	102.0	H	99.0	43.8	-2.3	12.5	54

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

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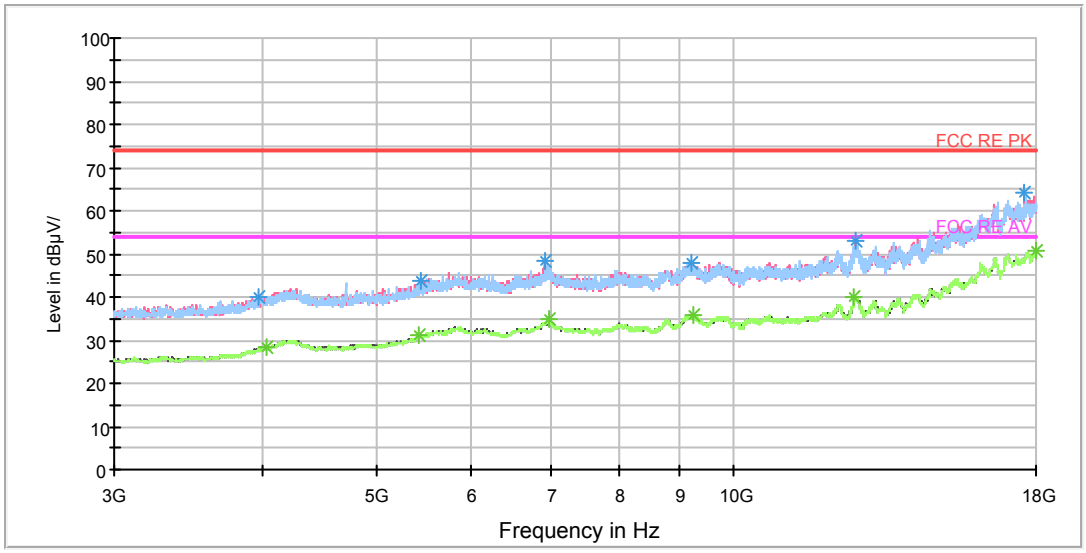
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3965.625000	40.0	102.0	V	0.0	41.0	-1.0	34.0	74
5439.375000	43.7	102.0	H	41.0	46.6	-2.9	30.3	74
6918.750000	48.3	102.0	V	208.0	54.5	-6.2	25.7	74
9226.875000	47.8	102.0	H	0.0	57.7	-9.9	26.2	74
12691.875000	53.1	102.0	V	0.0	67.3	-14.2	20.9	74
17615.625000	64.1	102.0	V	344.0	88.2	-24.1	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)
4040.625000	28.4	102.0	V	254.0	29.4	-1.0	25.6	54
5430.000000	31.0	102.0	V	0.0	33.8	-2.8	23.0	54
6997.500000	34.9	102.0	H	18.0	41.4	-6.5	19.1	54
9238.125000	36.0	102.0	V	0.0	45.9	-9.9	18.0	54
12643.125000	40.2	102.0	V	276.0	54.6	-14.4	13.8	54
18000.000000	50.8	102.0	V	0.0	76.3	-25.5	3.2	54

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

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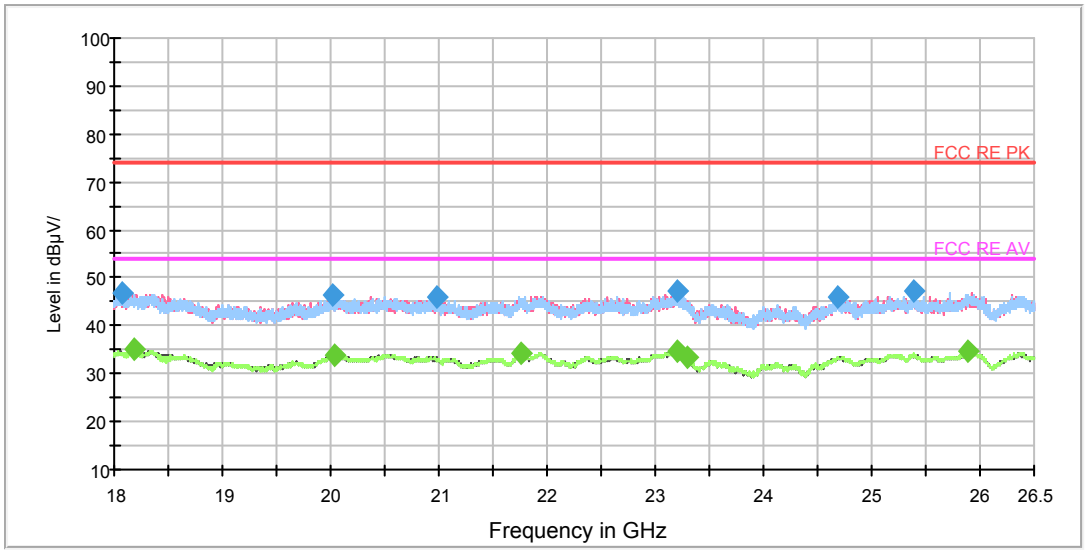
RE 18-26.5GHz PK+AV



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)
18077.562500	46.9	V	246.0	49.0	-2.1	27.1	74
20024.062500	46.5	V	310.0	52.2	-5.7	27.5	74
20978.187500	46.0	V	267.0	53.4	-7.4	28.0	74
23207.312500	47.1	V	199.0	53.1	-6.0	26.9	74
24691.625000	46.1	V	0.0	52.1	-6.0	27.9	74
25388.625000	47.2	H	0.0	53.0	-5.8	26.8	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)
18190.187500	35.0	H	95.0	37.6	-2.6	19.0	54
20031.500000	33.9	V	267.0	39.6	-5.7	20.1	54
21757.000000	34.2	H	0.0	42.2	-8.0	19.8	54
23209.437500	34.7	V	267.0	40.7	-6.0	19.3	54
23298.687500	33.6	H	0.0	39.6	-6.0	20.4	54
25892.250000	34.6	V	0.0	40.0	-5.4	19.4	54

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

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BLE-Channel 39

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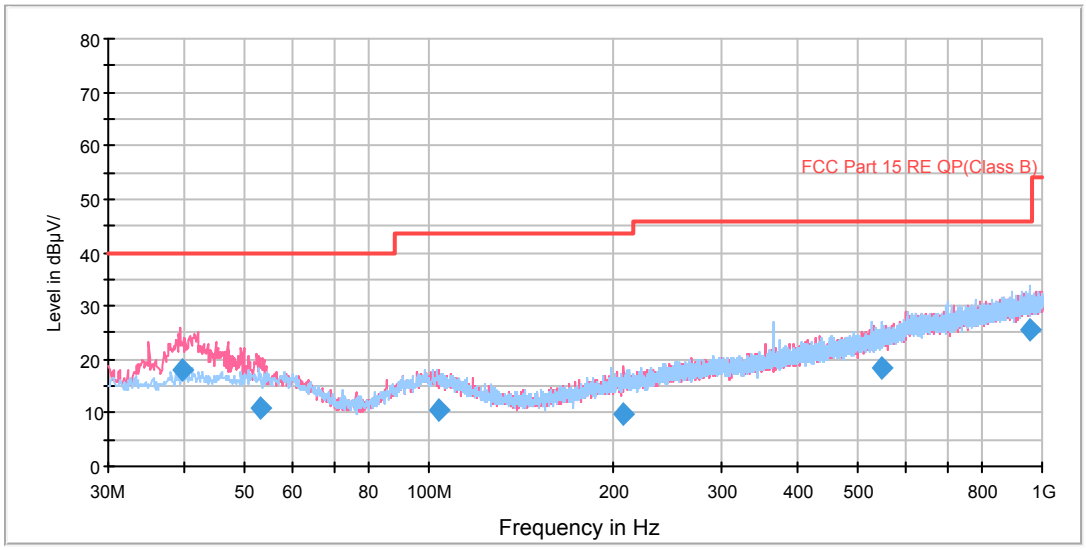

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.696250	18.0	100.0	V	151.0	31.1	-13.1	22.0	40.0
53.326250	10.8	100.0	V	0.0	23.6	-12.8	29.2	40.0
104.002500	10.5	100.0	V	254.0	23.4	-12.9	33.0	43.5
208.037500	9.8	114.0	V	326.0	22.2	-12.4	33.7	43.5
547.248750	18.5	125.0	H	35.0	39.4	-20.9	27.5	46.0
957.406250	25.6	100.0	H	0.0	51.8	-26.2	20.4	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

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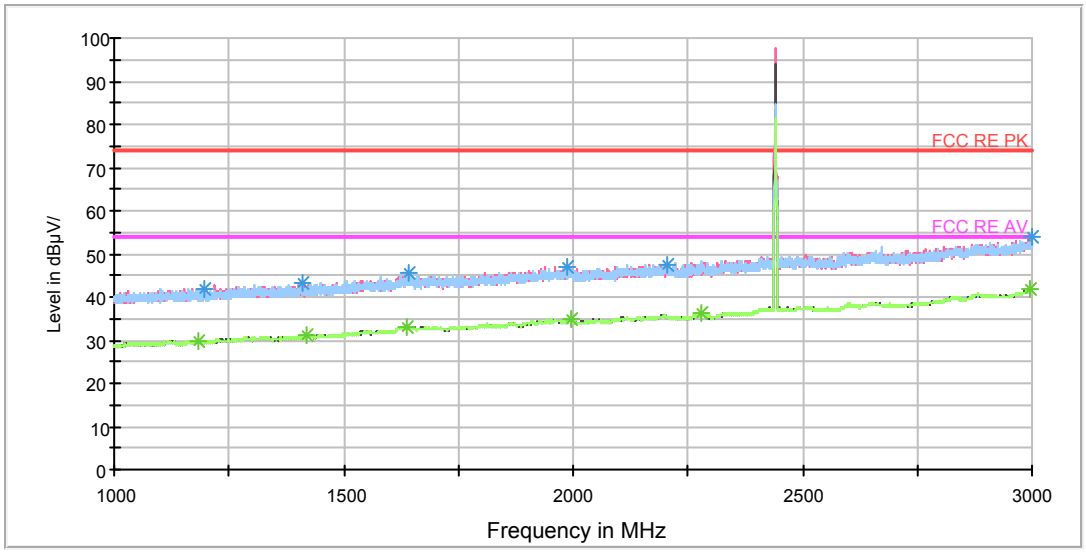
RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

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)
1197.500000	42.0	102.0	V	283.0	50.2	-8.2	32.0	74
1408.750000	43.4	102.0	H	0.0	50.5	-7.1	30.6	74
1640.750000	45.7	102.0	H	4.0	50.4	-4.7	28.3	74
1987.000000	47.0	102.0	V	236.0	50.6	-3.6	27.0	74
2207.000000	47.6	102.0	V	119.0	49.7	-2.1	26.4	74
2998.750000	53.8	102.0	H	0.0	56.1	-2.3	20.2	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)
1185.000000	29.9	102.0	H	50.0	38.0	-8.1	24.1	54
1418.000000	31.0	102.0	H	27.0	37.9	-6.9	23.0	54
1638.500000	33.3	102.0	H	0.0	38.0	-4.7	20.7	54
1994.000000	34.9	102.0	H	0.0	38.1	-3.2	19.1	54
2281.250000	36.3	102.0	V	259.0	37.7	-1.4	17.7	54
2997.000000	41.6	102.0	H	167.0	43.9	-2.3	12.4	54

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

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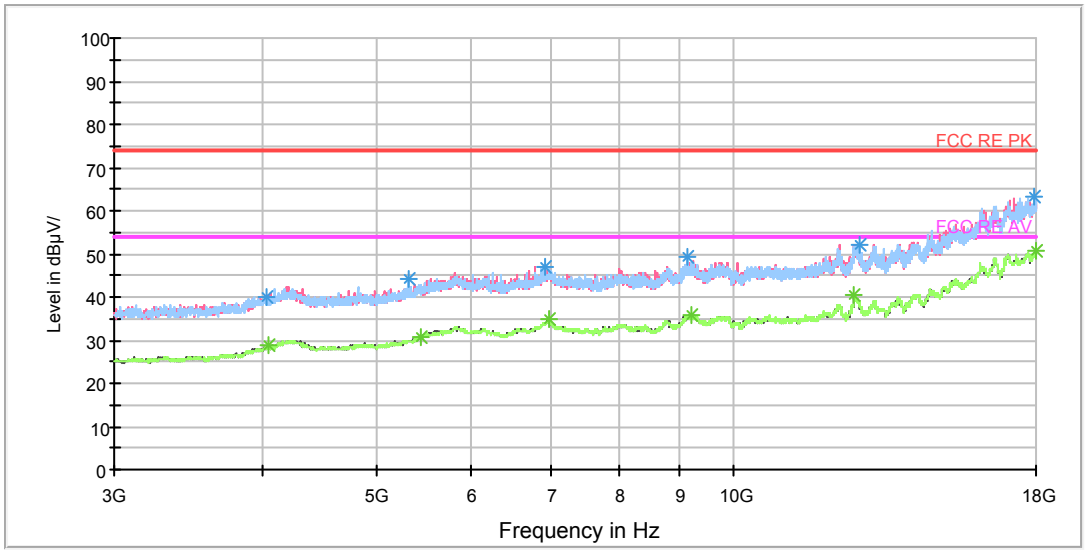
RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4036.875000	39.8	102.0	H	199.0	40.8	-1.0	34.2	74
5310.000000	44.0	102.0	H	84.0	46.4	-2.4	30.0	74
6933.750000	47.0	102.0	H	130.0	53.2	-6.2	27.0	74
9135.000000	49.2	102.0	H	130.0	59.2	-10.0	24.8	74
12781.875000	52.3	102.0	H	62.0	66.0	-13.7	21.7	74
17915.625000	63.3	102.0	H	0.0	88.9	-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)
4042.500000	28.7	102.0	V	344.0	29.7	-1.0	25.3	54
5443.125000	30.9	102.0	H	0.0	33.8	-2.9	23.1	54
6997.500000	34.7	102.0	V	0.0	41.2	-6.5	19.3	54
9215.625000	35.9	102.0	V	321.0	45.9	-10.0	18.1	54
12639.375000	40.4	102.0	V	207.0	54.9	-14.5	13.6	54
18000.000000	50.7	102.0	H	17.0	76.2	-25.5	3.3	54

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

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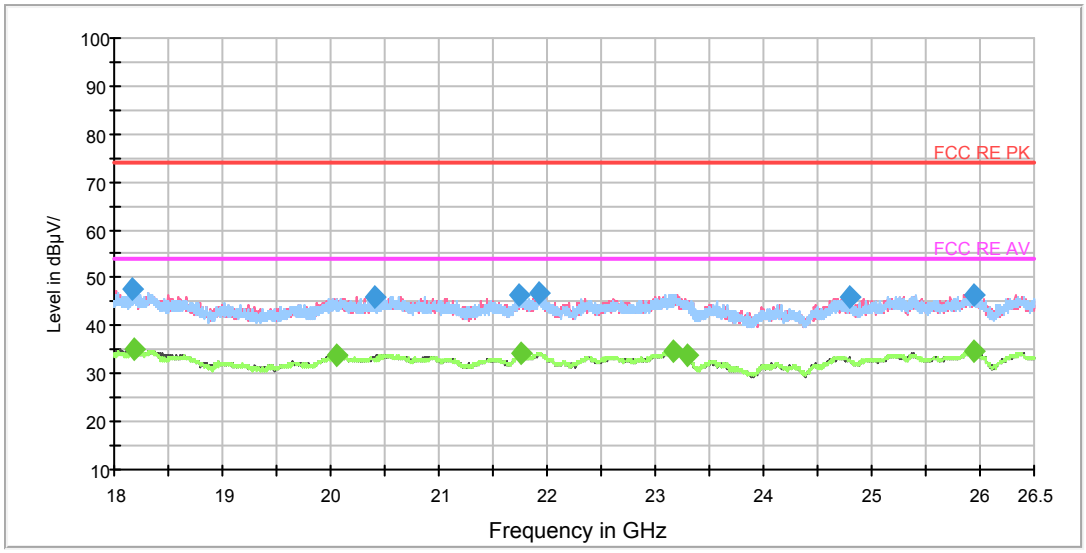
RE 18-26.5GHz PK+AV



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)
18175.312500	47.8	H	0.0	50.3	-2.5	26.2	74
20406.562500	46.1	H	53.0	52.2	-6.1	27.9	74
21748.500000	46.2	V	264.0	54.2	-8.0	27.8	74
21927.000000	47.0	H	97.0	55.0	-8.0	27.0	74
24790.437500	45.8	H	10.0	51.8	-6.0	28.2	74
25947.500000	46.6	V	0.0	52.0	-5.4	27.4	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)
18182.750000	35.0	V	329.0	37.6	-2.6	19.0	54
20058.062500	34.0	V	18.0	39.7	-5.7	20.0	54
21754.875000	34.2	V	351.0	42.2	-8.0	19.8	54
23172.250000	34.7	V	286.0	40.8	-6.1	19.3	54
23296.562500	33.7	H	0.0	39.7	-6.0	20.3	54
25936.875000	34.5	V	0.0	39.9	-5.4	19.5	54

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

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5.8. Conducted Emission

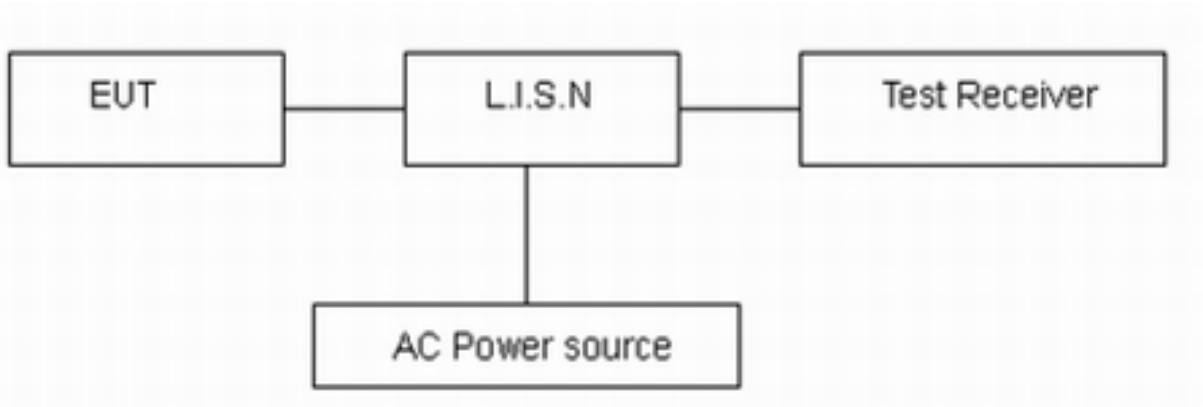
Ambient condition

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 L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, 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.

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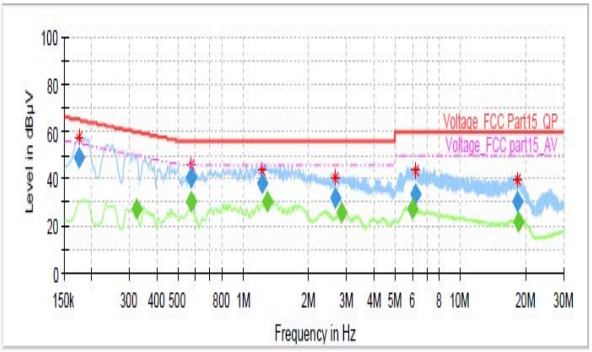
Test Results:

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

802.11b, Channel No.: 1

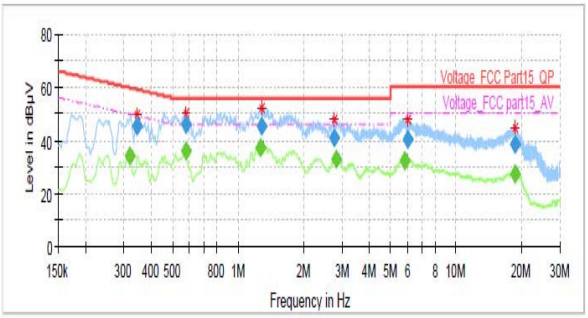
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.174750	49.10	---	64.73	15.63	1000.0	9.000	L1	ON	19.2
0.321000	---	27.33	49.68	22.35	1000.0	9.000	L1	ON	19.2
0.577500	---	29.86	46.00	16.14	1000.0	9.000	L1	ON	19.3
0.577500	40.38	---	56.00	15.62	1000.0	9.000	L1	ON	19.3
1.216500	37.78	---	56.00	18.22	1000.0	9.000	L1	ON	19.2
1.288500	---	30.24	46.00	15.76	1000.0	9.000	L1	ON	19.2
2.663250	31.65	---	56.00	24.35	1000.0	9.000	L1	ON	19.0
2.845500	---	25.96	46.00	20.04	1000.0	9.000	L1	ON	19.0
6.049500	---	27.18	50.00	22.82	1000.0	9.000	L1	ON	19.1
6.231750	33.60	---	60.00	26.40	1000.0	9.000	L1	ON	19.1
18.264750	30.24	---	60.00	29.76	1000.0	9.000	L1	ON	19.5
18.584250	---	21.66	50.00	28.34	1000.0	9.000	L1	ON	19.6

N Line

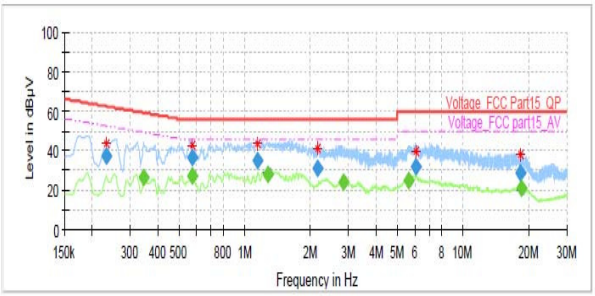


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	34.37	49.74	15.37	1000.0	9.000	N	ON	19.2
0.345750	45.12	---	59.06	13.94	1000.0	9.000	N	ON	19.2
0.575250	---	35.89	46.00	10.11	1000.0	9.000	N	ON	19.3
0.575250	45.90	---	56.00	10.10	1000.0	9.000	N	ON	19.3
1.277250	---	37.14	46.00	8.86	1000.0	9.000	N	ON	19.2
1.284000	45.44	---	56.00	10.56	1000.0	9.000	N	ON	19.2
2.778000	41.01	---	56.00	14.99	1000.0	9.000	N	ON	19.0
2.838750	---	33.09	46.00	12.91	1000.0	9.000	N	ON	19.0
5.811000	---	32.40	50.00	17.60	1000.0	9.000	N	ON	19.1
5.991000	40.26	---	60.00	19.74	1000.0	9.000	N	ON	19.1
18.564000	---	27.45	50.00	22.55	1000.0	9.000	N	ON	19.4
18.586500	38.47	---	60.00	21.53	1000.0	9.000	N	ON	19.4

802.11b, Channel No.: 6

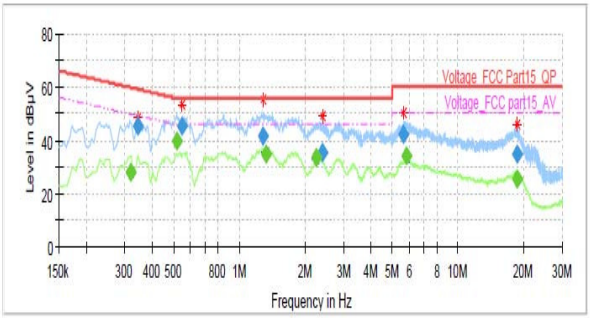
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.231000	37.15	---	62.41	25.26	1000.0	9.000	L1	ON	19.1
0.343500	---	26.11	49.12	23.00	1000.0	9.000	L1	ON	19.2
0.573000	36.80	---	56.00	19.20	1000.0	9.000	L1	ON	19.3
0.575250	---	27.05	46.00	18.95	1000.0	9.000	L1	ON	19.3
1.140000	34.60	---	56.00	21.40	1000.0	9.000	L1	ON	19.2
1.270500	---	28.28	46.00	17.72	1000.0	9.000	L1	ON	19.2
2.145750	31.18	---	56.00	24.82	1000.0	9.000	L1	ON	19.1
2.847750	---	23.77	46.00	22.23	1000.0	9.000	L1	ON	19.0
5.633250	---	24.93	50.00	25.07	1000.0	9.000	L1	ON	19.1
6.092250	31.91	---	60.00	28.09	1000.0	9.000	L1	ON	19.1
18.386250	28.82	---	60.00	31.18	1000.0	9.000	L1	ON	19.5
18.471750	---	20.57	50.00	29.43	1000.0	9.000	L1	ON	19.6

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	---	27.94	49.74	21.80	1000.0	9.000	N	ON	19.2
0.343500	45.39	---	59.12	13.73	1000.0	9.000	N	ON	19.2
0.516750	---	39.90	46.00	6.10	1000.0	9.000	N	ON	19.2
0.550500	45.09	---	56.00	10.91	1000.0	9.000	N	ON	19.3
1.279500	41.31	---	56.00	14.69	1000.0	9.000	N	ON	19.2
1.320000	---	34.84	46.00	11.16	1000.0	9.000	N	ON	19.2
2.249250	---	33.29	46.00	12.71	1000.0	9.000	N	ON	19.1
2.395500	35.64	---	56.00	20.36	1000.0	9.000	N	ON	19.0
5.649000	42.36	---	60.00	17.64	1000.0	9.000	N	ON	19.1
5.835750	---	33.89	50.00	16.11	1000.0	9.000	N	ON	19.1
18.566250	34.80	---	60.00	25.20	1000.0	9.000	N	ON	19.4
18.609000	---	25.25	50.00	24.75	1000.0	9.000	N	ON	19.4

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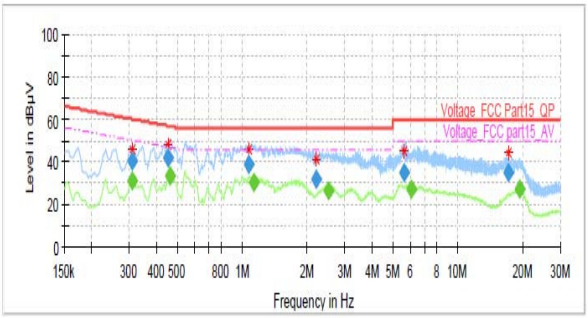
802.11b, Channel No.: 11

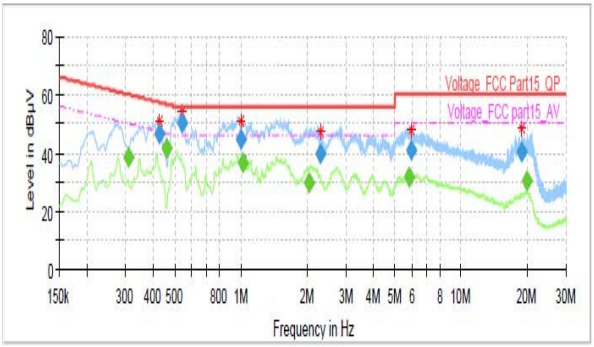
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.307500	---	30.62	50.04	19.41	1000.0	9.000	L1	ON	19.2
0.309750	40.33	---	59.98	19.65	1000.0	9.000	L1	ON	19.2
0.451500	42.20	---	56.85	14.65	1000.0	9.000	L1	ON	19.2
0.460500	---	33.03	46.68	13.66	1000.0	9.000	L1	ON	19.2
1.074750	38.77	---	56.00	17.23	1000.0	9.000	L1	ON	19.2
1.126500	---	29.91	46.00	16.09	1000.0	9.000	L1	ON	19.2
2.215500	31.94	---	56.00	24.06	1000.0	9.000	L1	ON	19.1
2.521500	---	26.15	46.00	19.85	1000.0	9.000	L1	ON	19.0
5.649000	34.80	---	60.00	25.20	1000.0	9.000	L1	ON	19.1
6.058500	---	26.87	50.00	23.13	1000.0	9.000	L1	ON	19.1
17.119500	35.12	---	60.00	24.88	1000.0	9.000	L1	ON	19.6
19.311000	---	27.21	50.00	22.79	1000.0	9.000	L1	ON	19.6

N Line

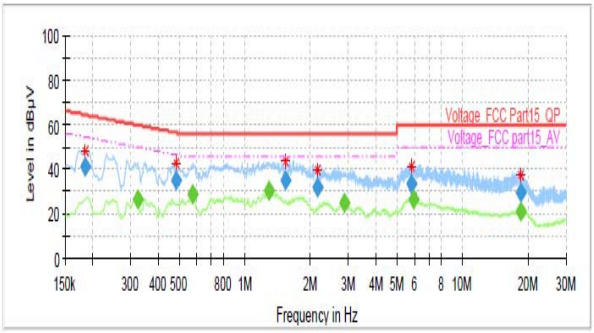


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.307500	---	38.63	50.04	11.41	1000.0	9.000	N	ON	19.2
0.429000	46.39	---	57.27	10.88	1000.0	9.000	N	ON	19.2
0.462750	---	41.78	46.64	4.86	1000.0	9.000	N	ON	19.2
0.541500	50.00	---	56.00	6.00	1000.0	9.000	N	ON	19.2
0.998250	44.74	---	56.00	11.26	1000.0	9.000	N	ON	19.2
1.025250	---	36.77	46.00	9.23	1000.0	9.000	N	ON	19.2
2.040000	---	29.86	46.00	16.14	1000.0	9.000	N	ON	19.1
2.301000	39.81	---	56.00	16.19	1000.0	9.000	N	ON	19.0
5.826750	---	31.57	50.00	18.43	1000.0	9.000	N	ON	19.1
5.943750	40.90	---	60.00	19.10	1000.0	9.000	N	ON	19.1
18.865500	40.47	---	60.00	19.53	1000.0	9.000	N	ON	19.4
19.875750	---	30.24	50.00	19.76	1000.0	9.000	N	ON	19.5

802.11g, Channel No.: 1

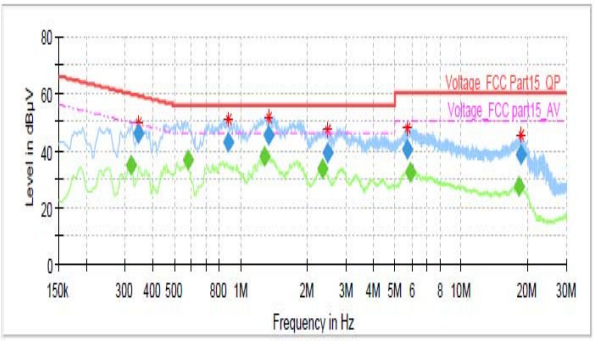
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.183750	41.32	---	64.31	23.00	1000.0	9.000	L1	ON	19.2
0.321000	---	26.54	49.68	23.14	1000.0	9.000	L1	ON	19.2
0.485250	34.83	---	56.25	21.42	1000.0	9.000	L1	ON	19.2
0.577500	---	28.58	46.00	17.42	1000.0	9.000	L1	ON	19.3
1.286250	---	29.89	46.00	16.11	1000.0	9.000	L1	ON	19.2
1.540500	34.83	---	56.00	21.17	1000.0	9.000	L1	ON	19.2
2.166000	31.44	---	56.00	24.56	1000.0	9.000	L1	ON	19.1
2.879250	---	24.94	46.00	21.06	1000.0	9.000	L1	ON	19.1
5.806500	33.19	---	60.00	26.81	1000.0	9.000	L1	ON	19.1
5.948250	---	26.65	50.00	23.35	1000.0	9.000	L1	ON	19.1
18.597750	---	20.61	50.00	29.39	1000.0	9.000	L1	ON	19.6
18.629250	29.12	---	60.00	30.88	1000.0	9.000	L1	ON	19.6

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	---	34.60	49.74	15.14	1000.0	9.000	N	ON	19.2
0.345750	45.63	---	59.06	13.44	1000.0	9.000	N	ON	19.2
0.575250	---	36.72	46.00	9.28	1000.0	9.000	N	ON	19.3
0.876750	42.94	---	56.00	13.06	1000.0	9.000	N	ON	19.2
1.286250	---	37.86	46.00	8.14	1000.0	9.000	N	ON	19.2
1.347000	45.30	---	56.00	10.70	1000.0	9.000	N	ON	19.2
2.343750	---	33.38	46.00	12.62	1000.0	9.000	N	ON	19.0
2.485500	39.21	---	56.00	16.79	1000.0	9.000	N	ON	19.0
5.669250	40.45	---	60.00	19.55	1000.0	9.000	N	ON	19.1
5.889750	---	32.55	50.00	17.45	1000.0	9.000	N	ON	19.1
18.348000	---	27.31	50.00	22.69	1000.0	9.000	N	ON	19.4
18.609000	38.33	---	60.00	21.67	1000.0	9.000	N	ON	19.4

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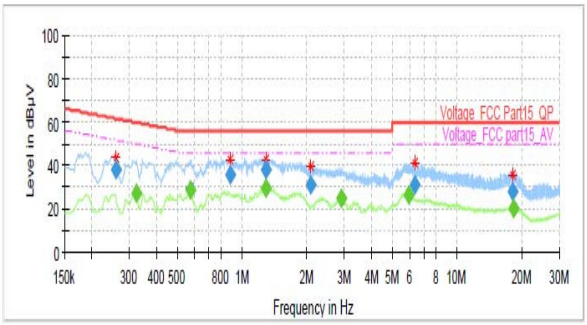
802.11g, Channel No.: 6

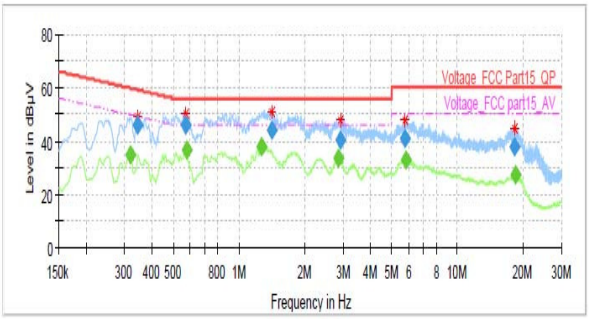
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.258000	38.10	---	61.50	23.39	1000.0	9.000	L1	ON	19.1
0.321000	---	26.77	49.68	22.91	1000.0	9.000	L1	ON	19.2
0.575250	---	28.96	46.00	17.04	1000.0	9.000	L1	ON	19.3
0.876750	35.82	---	56.00	20.18	1000.0	9.000	L1	ON	19.2
1.288500	---	29.46	46.00	16.54	1000.0	9.000	L1	ON	19.2
1.288500	37.72	---	56.00	18.28	1000.0	9.000	L1	ON	19.2
2.094000	30.66	---	56.00	25.34	1000.0	9.000	L1	ON	19.1
2.906250	---	24.87	46.00	21.13	1000.0	9.000	L1	ON	19.1
5.943750	---	26.09	50.00	23.91	1000.0	9.000	L1	ON	19.1
6.328500	31.36	---	60.00	28.64	1000.0	9.000	L1	ON	19.1
18.150000	28.05	---	60.00	31.95	1000.0	9.000	L1	ON	19.5
18.381750	---	20.30	50.00	29.70	1000.0	9.000	L1	ON	19.5

N Line

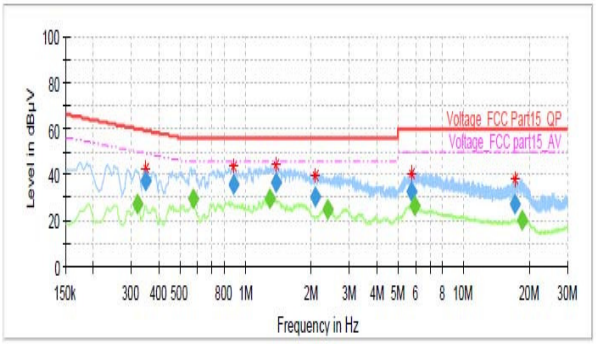


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	34.87	49.74	14.87	1000.0	9.000	N	ON	19.2
0.345750	45.60	---	59.06	13.46	1000.0	9.000	N	ON	19.2
0.573000	45.74	---	56.00	10.27	1000.0	9.000	N	ON	19.3
0.575250	---	36.82	46.00	9.18	1000.0	9.000	N	ON	19.3
1.277250	---	37.91	46.00	8.09	1000.0	9.000	N	ON	19.2
1.414500	44.17	---	56.00	11.83	1000.0	9.000	N	ON	19.2
2.845500	---	33.34	46.00	12.66	1000.0	9.000	N	ON	19.0
2.904000	40.61	---	56.00	15.39	1000.0	9.000	N	ON	19.1
5.734500	41.14	---	60.00	18.86	1000.0	9.000	N	ON	19.1
5.793000	---	32.62	50.00	17.38	1000.0	9.000	N	ON	19.1
18.271500	37.88	---	60.00	22.12	1000.0	9.000	N	ON	19.4
18.372750	---	27.21	50.00	22.79	1000.0	9.000	N	ON	19.4

802.11g, Channel No.: 11

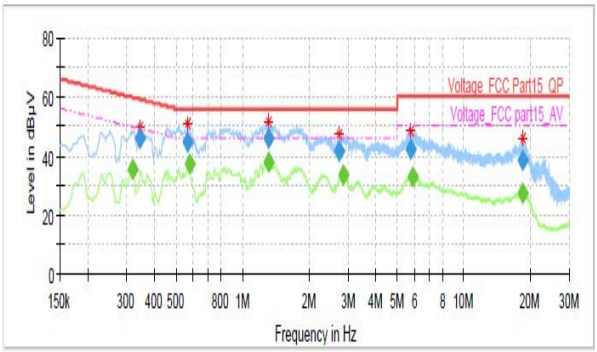
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	26.90	49.74	22.84	1000.0	9.000	L1	ON	19.2
0.348000	37.40	---	59.01	21.61	1000.0	9.000	L1	ON	19.2
0.575250	---	29.09	46.00	16.91	1000.0	9.000	L1	ON	19.3
0.876750	35.81	---	56.00	20.19	1000.0	9.000	L1	ON	19.2
1.288500	---	29.46	46.00	16.54	1000.0	9.000	L1	ON	19.2
1.380750	36.60	---	56.00	19.40	1000.0	9.000	L1	ON	19.2
2.096250	30.21	---	56.00	25.79	1000.0	9.000	L1	ON	19.1
2.384250	---	24.60	46.00	21.40	1000.0	9.000	L1	ON	19.0
5.763750	32.43	---	60.00	27.57	1000.0	9.000	L1	ON	19.1
5.946000	---	26.38	50.00	23.62	1000.0	9.000	L1	ON	19.1
17.142000	27.27	---	60.00	32.73	1000.0	9.000	L1	ON	19.6
18.487500	---	20.38	50.00	29.62	1000.0	9.000	L1	ON	19.6

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	---	35.06	49.74	14.68	1000.0	9.000	N	ON	19.2
0.345750	45.85	---	59.06	13.22	1000.0	9.000	N	ON	19.2
0.566250	44.69	---	56.00	11.31	1000.0	9.000	N	ON	19.3
0.575250	---	37.09	46.00	8.91	1000.0	9.000	N	ON	19.3
1.317750	---	37.62	46.00	8.38	1000.0	9.000	N	ON	19.2
1.317750	45.73	---	56.00	10.27	1000.0	9.000	N	ON	19.2
2.742000	41.81	---	56.00	14.19	1000.0	9.000	N	ON	19.0
2.850000	---	33.63	46.00	12.37	1000.0	9.000	N	ON	19.0
5.748000	41.93	---	60.00	18.07	1000.0	9.000	N	ON	19.1
5.867250	---	32.87	50.00	17.13	1000.0	9.000	N	ON	19.1
18.469500	---	27.36	50.00	22.64	1000.0	9.000	N	ON	19.4
18.539250	38.46	---	60.00	21.54	1000.0	9.000	N	ON	19.4

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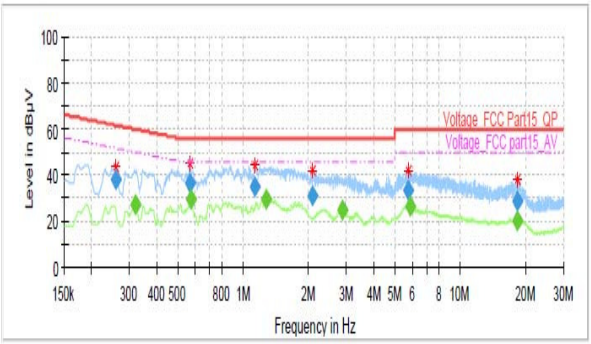
802.11n(HT20), Channel No.: 1

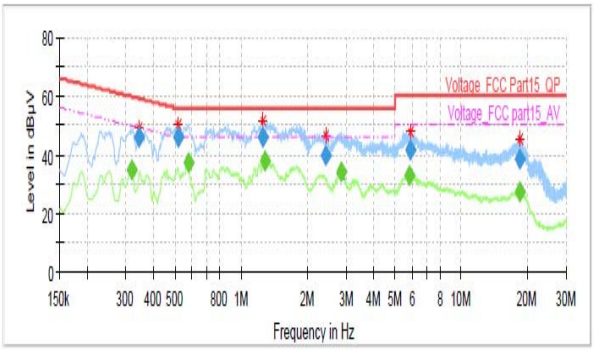
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.258000	37.97	---	61.50	23.53	1000.0	9.000	L1	ON	19.1
0.318750	---	27.09	49.74	22.65	1000.0	9.000	L1	ON	19.2
0.566250	36.35	---	56.00	19.65	1000.0	9.000	L1	ON	19.3
0.575250	---	29.40	46.00	16.60	1000.0	9.000	L1	ON	19.3
1.131000	34.64	---	56.00	21.36	1000.0	9.000	L1	ON	19.2
1.277250	---	29.69	46.00	16.31	1000.0	9.000	L1	ON	19.2
2.076000	31.13	---	56.00	24.88	1000.0	9.000	L1	ON	19.1
2.852250	---	25.11	46.00	20.89	1000.0	9.000	L1	ON	19.0
5.745750	33.31	---	60.00	26.69	1000.0	9.000	L1	ON	19.1
5.921250	---	26.21	50.00	23.79	1000.0	9.000	L1	ON	19.1
18.280500	---	20.45	50.00	29.55	1000.0	9.000	L1	ON	19.5
18.287250	28.41	---	60.00	31.59	1000.0	9.000	L1	ON	19.5

N Line

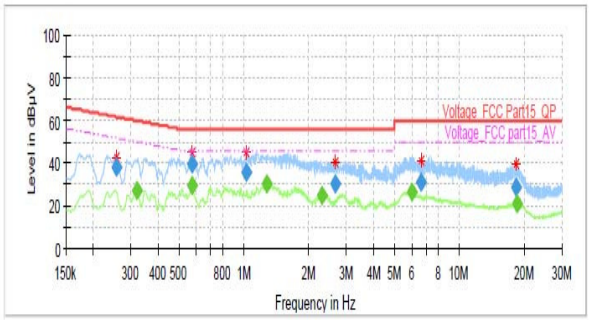


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	35.03	49.74	14.71	1000.0	9.000	N	ON	19.2
0.345750	45.73	---	59.06	13.33	1000.0	9.000	N	ON	19.2
0.516750	46.08	---	56.00	9.92	1000.0	9.000	N	ON	19.2
0.575250	---	37.09	46.00	8.91	1000.0	9.000	N	ON	19.3
1.254750	45.63	---	56.00	10.37	1000.0	9.000	N	ON	19.2
1.279500	---	38.10	46.00	7.90	1000.0	9.000	N	ON	19.2
2.429250	39.57	---	56.00	16.43	1000.0	9.000	N	ON	19.0
2.852250	---	33.80	46.00	12.20	1000.0	9.000	N	ON	19.0
5.813250	---	32.73	50.00	17.27	1000.0	9.000	N	ON	19.1
5.880750	41.39	---	60.00	18.61	1000.0	9.000	N	ON	19.1
18.442500	---	27.18	50.00	22.82	1000.0	9.000	N	ON	19.4
18.546000	38.34	---	60.00	21.66	1000.0	9.000	N	ON	19.4

802.11n(HT20), Channel No.: 6

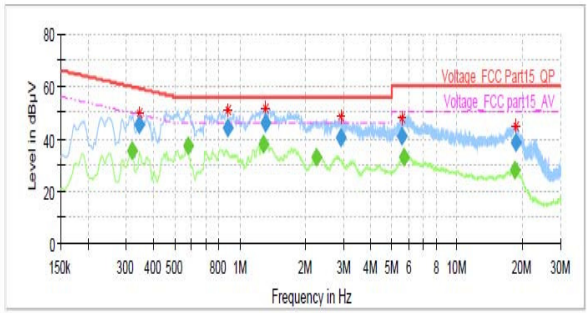
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.255750	38.13	---	61.57	23.44	1000.0	9.000	L1	ON	19.1
0.318750	---	27.31	49.74	22.43	1000.0	9.000	L1	ON	19.2
0.575250	---	29.79	46.00	16.21	1000.0	9.000	L1	ON	19.3
0.577500	39.49	---	56.00	16.51	1000.0	9.000	L1	ON	19.3
1.025250	35.63	---	56.00	20.37	1000.0	9.000	L1	ON	19.2
1.279500	---	30.16	46.00	15.84	1000.0	9.000	L1	ON	19.2
2.312250	---	25.09	46.00	20.91	1000.0	9.000	L1	ON	19.0
2.643000	30.54	---	56.00	25.46	1000.0	9.000	L1	ON	19.0
6.018000	---	26.60	50.00	23.40	1000.0	9.000	L1	ON	19.1
6.641250	30.72	---	60.00	29.28	1000.0	9.000	L1	ON	19.1
18.402000	28.67	---	60.00	31.33	1000.0	9.000	L1	ON	19.6
18.600000	---	20.77	50.00	29.23	1000.0	9.000	L1	ON	19.6

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	---	35.04	49.74	14.70	1000.0	9.000	N	ON	19.2
0.343500	45.18	---	59.12	13.94	1000.0	9.000	N	ON	19.2
0.575250	---	37.41	46.00	8.59	1000.0	9.000	N	ON	19.3
0.879000	43.80	---	56.00	12.20	1000.0	9.000	N	ON	19.2
1.279500	---	37.79	46.00	8.21	1000.0	9.000	N	ON	19.2
1.317750	45.75	---	56.00	10.25	1000.0	9.000	N	ON	19.2
2.253750	---	33.07	46.00	12.93	1000.0	9.000	N	ON	19.1
2.913000	40.27	---	56.00	15.73	1000.0	9.000	N	ON	19.1
5.579250	41.18	---	60.00	18.82	1000.0	9.000	N	ON	19.1
5.696250	---	32.96	50.00	17.04	1000.0	9.000	N	ON	19.1
18.512250	---	27.96	50.00	22.04	1000.0	9.000	N	ON	19.4
18.600000	38.61	---	60.00	21.39	1000.0	9.000	N	ON	19.4

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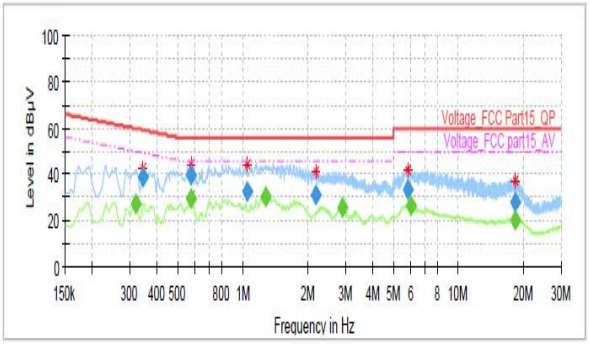
802.11n(HT20), Channel No.: 11

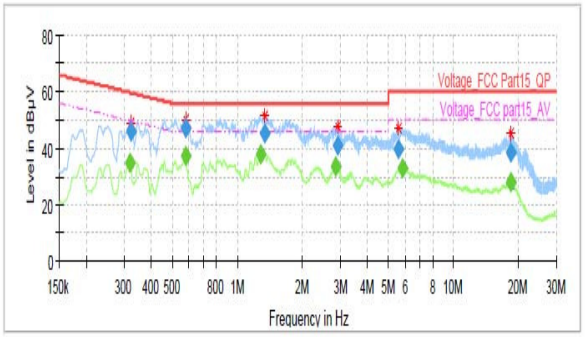
L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	27.20	49.74	22.54	1000.0	9.000	L1	ON	19.2
0.345750	39.12	---	59.06	19.94	1000.0	9.000	L1	ON	19.2
0.575250	39.30	---	56.00	16.70	1000.0	9.000	L1	ON	19.3
0.577500	---	29.56	46.00	16.44	1000.0	9.000	L1	ON	19.3
1.045500	32.65	---	56.00	23.35	1000.0	9.000	L1	ON	19.2
1.279500	---	29.91	46.00	16.09	1000.0	9.000	L1	ON	19.2
2.188500	31.19	---	56.00	24.81	1000.0	9.000	L1	ON	19.1
2.908500	---	25.21	46.00	20.79	1000.0	9.000	L1	ON	19.1
5.804250	33.36	---	60.00	26.64	1000.0	9.000	L1	ON	19.1
6.015750	---	26.11	50.00	23.89	1000.0	9.000	L1	ON	19.1
18.330000	28.10	---	60.00	31.90	1000.0	9.000	L1	ON	19.5
18.435750	---	20.06	50.00	29.94	1000.0	9.000	L1	ON	19.6

N Line

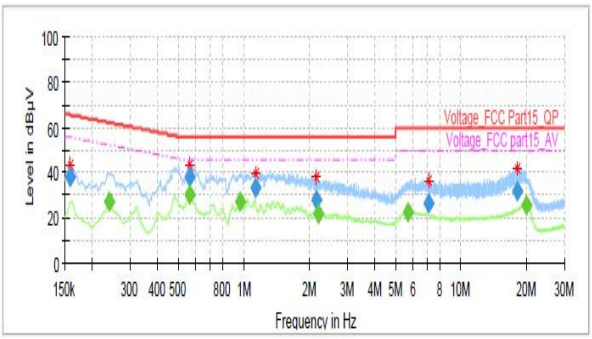


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	34.84	49.74	14.90	1000.0	9.000	N	ON	19.2
0.321000	45.67	---	59.68	14.01	1000.0	9.000	N	ON	19.2
0.575250	---	37.11	46.00	8.89	1000.0	9.000	N	ON	19.3
0.575250	47.13	---	56.00	8.87	1000.0	9.000	N	ON	19.3
1.279500	---	37.93	46.00	8.07	1000.0	9.000	N	ON	19.2
1.342500	45.43	---	56.00	10.57	1000.0	9.000	N	ON	19.2
2.854500	---	33.60	46.00	12.40	1000.0	9.000	N	ON	19.0
2.908500	40.83	---	56.00	15.17	1000.0	9.000	N	ON	19.1
5.577000	39.93	---	60.00	20.07	1000.0	9.000	N	ON	19.1
5.826750	---	32.68	50.00	17.32	1000.0	9.000	N	ON	19.1
18.539250	38.39	---	60.00	21.61	1000.0	9.000	N	ON	19.4
18.550500	---	27.67	50.00	22.33	1000.0	9.000	N	ON	19.4

BLE, Channel No.: 0

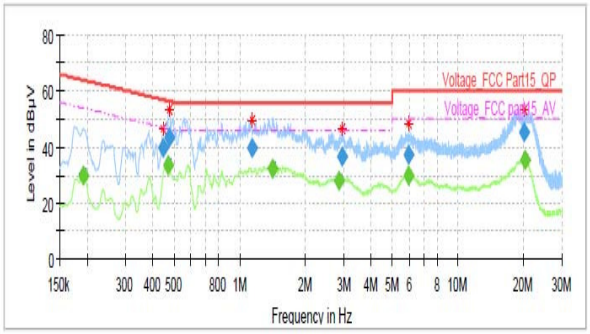
L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.159000	37.71	---	65.52	27.81	1000.0	9.000	L1	ON	19.1
0.240000	---	27.26	52.10	24.84	1000.0	9.000	L1	ON	19.1
0.561750	---	30.03	46.00	15.97	1000.0	9.000	L1	ON	19.3
0.561750	38.16	---	56.00	17.84	1000.0	9.000	L1	ON	19.3
0.964500	---	26.94	46.00	19.06	1000.0	9.000	L1	ON	19.2
1.126500	33.31	---	56.00	22.69	1000.0	9.000	L1	ON	19.2
2.152500	28.09	---	56.00	27.91	1000.0	9.000	L1	ON	19.1
2.215500	---	21.62	46.00	24.38	1000.0	9.000	L1	ON	19.1
5.730000	---	22.34	50.00	27.66	1000.0	9.000	L1	ON	19.1
7.116000	26.05	---	60.00	33.95	1000.0	9.000	L1	ON	19.2
18.177000	31.63	---	60.00	28.37	1000.0	9.000	L1	ON	19.5
20.107500	---	25.63	50.00	24.37	1000.0	9.000	L1	ON	19.7

N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.192750	---	29.93	53.92	23.98	1000.0	9.000	N	ON	19.2
0.444750	39.90	---	56.97	17.08	1000.0	9.000	N	ON	19.2
0.471750	---	33.67	46.48	12.82	1000.0	9.000	N	ON	19.2
0.476250	43.28	---	56.40	13.13	1000.0	9.000	N	ON	19.2
1.144500	40.00	---	56.00	16.00	1000.0	9.000	N	ON	19.2
1.412250	---	32.30	46.00	13.70	1000.0	9.000	N	ON	19.2
2.847750	---	28.19	46.00	17.81	1000.0	9.000	N	ON	19.0
2.942250	36.30	---	56.00	19.70	1000.0	9.000	N	ON	19.1
5.941500	37.31	---	60.00	22.69	1000.0	9.000	N	ON	19.1
5.959500	---	29.75	50.00	20.25	1000.0	9.000	N	ON	19.1
20.220000	45.09	---	60.00	14.91	1000.0	9.000	N	ON	19.5
20.292000	---	35.37	50.00	14.63	1000.0	9.000	N	ON	19.5

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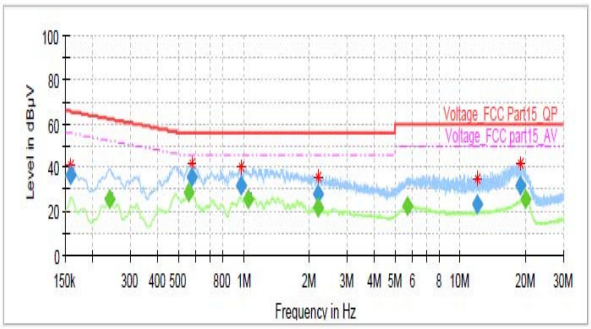
BLE, Channel No.: 19

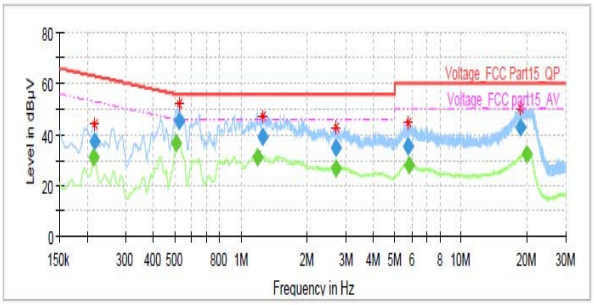
L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.159000	36.25	---	65.52	29.27	1000.0	9.000	L1	ON	19.1
0.240000	---	25.83	52.10	26.27	1000.0	9.000	L1	ON	19.1
0.555000	---	28.52	46.00	17.48	1000.0	9.000	L1	ON	19.3
0.575250	35.31	---	56.00	20.69	1000.0	9.000	L1	ON	19.3
0.973500	31.88	---	56.00	24.12	1000.0	9.000	L1	ON	19.2
1.043250	---	25.47	46.00	20.53	1000.0	9.000	L1	ON	19.2
2.193000	---	21.61	46.00	24.39	1000.0	9.000	L1	ON	19.1
2.211000	27.62	---	56.00	28.38	1000.0	9.000	L1	ON	19.1
5.707500	---	22.33	50.00	27.67	1000.0	9.000	L1	ON	19.1
11.942250	23.41	---	60.00	36.59	1000.0	9.000	L1	ON	19.4
19.034250	31.92	---	60.00	28.08	1000.0	9.000	L1	ON	19.6
20.091750	---	25.37	50.00	24.63	1000.0	9.000	L1	ON	19.7

N Line

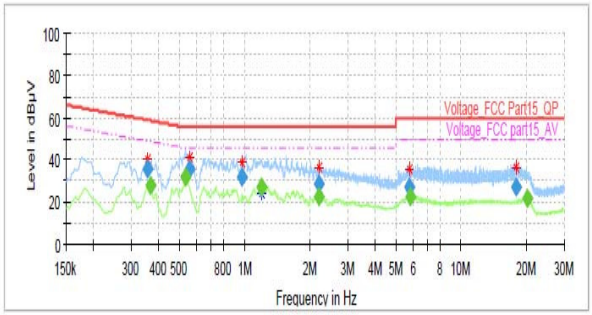


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.215250	---	30.87	53.00	22.13	1000.0	9.000	N	ON	19.2
0.217500	37.33	---	62.91	25.58	1000.0	9.000	N	ON	19.2
0.507750	---	36.56	46.00	9.44	1000.0	9.000	N	ON	19.2
0.523500	45.14	---	56.00	10.86	1000.0	9.000	N	ON	19.2
1.185000	---	31.06	46.00	14.94	1000.0	9.000	N	ON	19.2
1.252500	39.32	---	56.00	16.68	1000.0	9.000	N	ON	19.2
2.699250	34.80	---	56.00	21.20	1000.0	9.000	N	ON	19.0
2.699250	---	26.47	46.00	19.53	1000.0	9.000	N	ON	19.0
5.779500	35.23	---	60.00	24.77	1000.0	9.000	N	ON	19.1
5.813250	---	27.96	50.00	22.04	1000.0	9.000	N	ON	19.1
18.719250	42.49	---	60.00	17.51	1000.0	9.000	N	ON	19.4
20.008500	---	32.18	50.00	17.82	1000.0	9.000	N	ON	19.5

BLE, Channel No.: 39

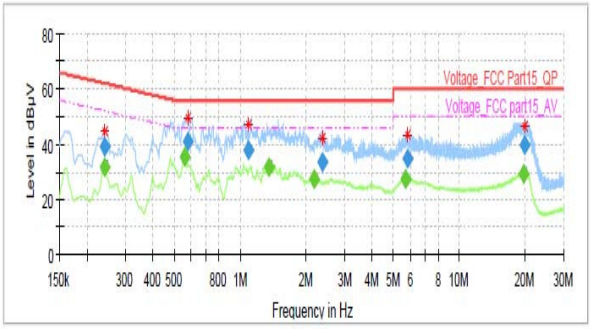
L Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.354750	35.29	---	58.85	23.56	1000.0	9.000	L1	ON	19.2
0.368250	---	27.97	48.54	20.57	1000.0	9.000	L1	ON	19.2
0.532500	---	32.14	46.00	13.86	1000.0	9.000	L1	ON	19.2
0.555000	35.81	---	56.00	20.19	1000.0	9.000	L1	ON	19.3
0.975750	31.90	---	56.00	24.10	1000.0	9.000	L1	ON	19.2
1.191750	---	26.83	46.00	19.17	1000.0	9.000	L1	ON	19.2
2.204250	28.81	---	56.00	27.19	1000.0	9.000	L1	ON	19.1
2.204250	---	22.31	46.00	23.69	1000.0	9.000	L1	ON	19.1
5.734500	27.48	---	60.00	32.52	1000.0	9.000	L1	ON	19.1
5.802000	---	22.55	50.00	27.45	1000.0	9.000	L1	ON	19.1
17.909250	27.10	---	60.00	32.90	1000.0	9.000	L1	ON	19.6
20.208750	---	21.88	50.00	28.12	1000.0	9.000	L1	ON	19.7

N Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.240000	---	31.41	52.10	20.69	1000.0	9.000	N	ON	19.1
0.242250	39.02	---	62.02	23.00	1000.0	9.000	N	ON	19.1
0.559500	---	35.31	46.00	10.69	1000.0	9.000	N	ON	19.3
0.575250	40.63	---	56.00	15.37	1000.0	9.000	N	ON	19.3
1.092750	37.75	---	56.00	18.25	1000.0	9.000	N	ON	19.2
1.358250	---	31.75	46.00	14.25	1000.0	9.000	N	ON	19.2
2.181750	---	27.38	46.00	18.62	1000.0	9.000	N	ON	19.1
2.364000	33.60	---	56.00	22.40	1000.0	9.000	N	ON	19.0
5.723250	---	27.31	50.00	22.69	1000.0	9.000	N	ON	19.1
5.811000	34.49	---	60.00	25.51	1000.0	9.000	N	ON	19.1
19.783500	---	29.37	50.00	20.63	1000.0	9.000	N	ON	19.5
19.846500	39.80	---	60.00	20.20	1000.0	9.000	N	ON	19.5

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6. Main Test Instruments

Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	FSV30	R&S	100815	2016-12-12	2017-12-11
EMI Test Receiver	ESCI	R&S	100948	2016-06-01	2017-05-31
TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	HF907	R&S	100126	2014-12-06	2017-12-05
Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-19	2017-02-18
Standard Gain Horn	3160-09	ETS-Lindgren	00102644	2015-01-30	2018-01-29
EMI Test Receiver	ESCS30	R&S	100138	2015-12-17	2016-12-16
EMI Test Receiver	ESCS30	R&S	100138	2016-12-16	2017-12-15
LISN	ENV216	R&S	101171	2013-12-18	2016-12-17
LISN	ENV216	R&S	101171	2016-12-18	2019-12-17
Spectrum Analyzer	N9010A	Agilent	MY47191109	2016-05-21	2017-05-20
MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2016-05-21	2017-05-20
Peak Power Meter	U2021XA	Keysight	MY55240003	2016-06-26	2017-06-25
RF Cable	SMA 15cm	Agilent	0001	2016-12-06	2017-03-05

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

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ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance

Front Side

Back Side

a: EUT

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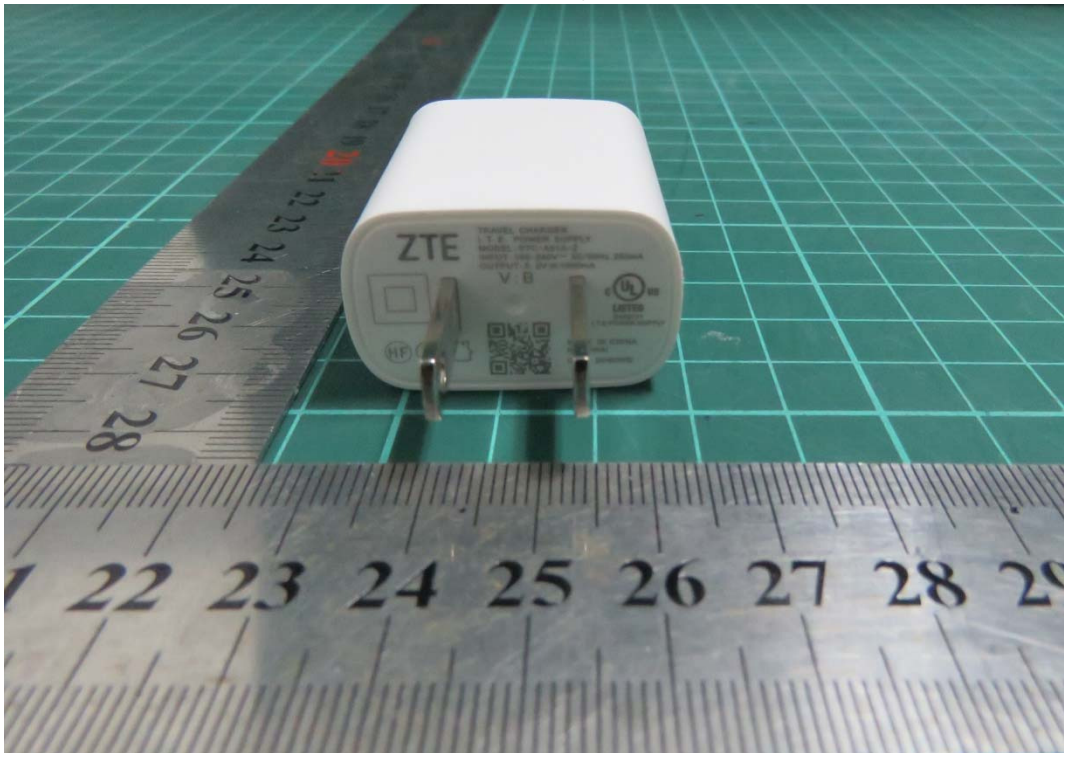
b: Battery



c: Adapter

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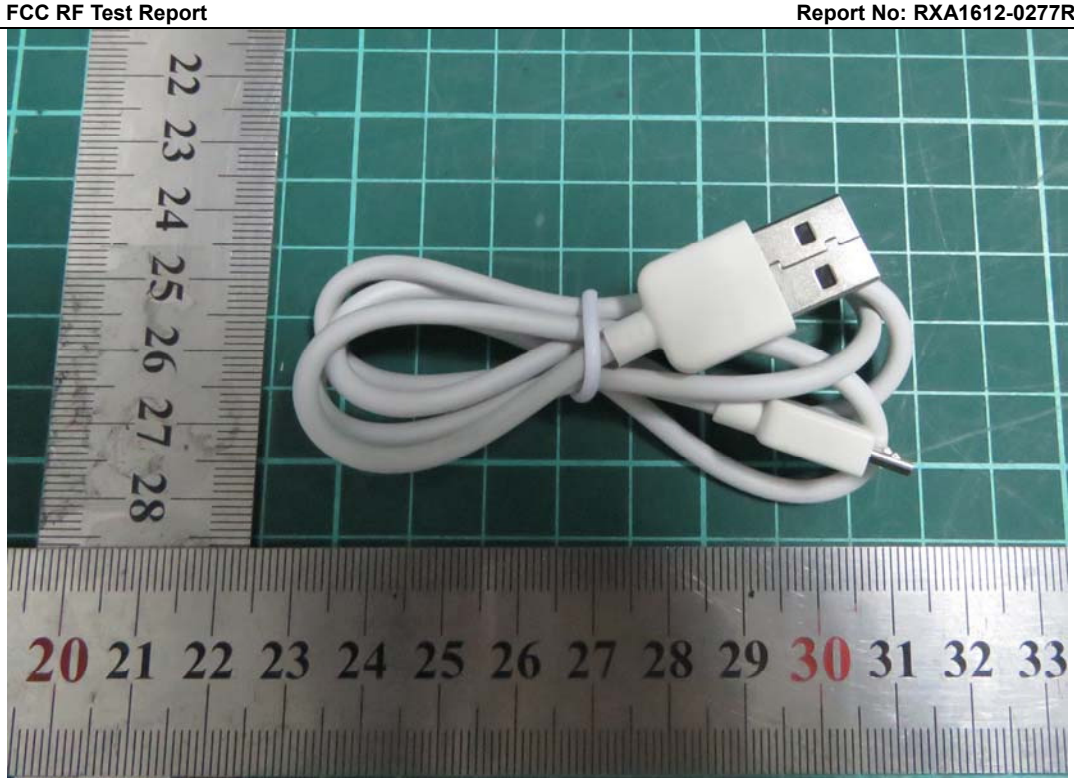

d: USB Cable

e: Earphone

Picture 1 EUT and Accessory

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A.2 Test Setup

30M Hz-1GHz

Above 1GHz

Picture 2 Radiated Emission Test Setup

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Picture 3 Conducted Emission Test Setup

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