中国认可
国际互认
检测
TESTING
CNAS L2264

RF TEST REPORT

Applicant	ZTE Corporation
FCC ID	SRQ-ZTEB2017G
Product	LTE/WCDMA/CDMA/GSM(GPRS) Mutil-Mode Digital Mobile Phone
Brand	ZTE
Model	ZTE B2017G
Report No.	RXA1607-0132RF05
Issue Date	September 1, 2016

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.

Reviewed by: Xianqing Li *Approved by: Kai Xu*

TA Technology (Shanghai) Co., Ltd.

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TABLE OF CONTENT

Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Maximum peak 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: July 10, 2016~ August 12, 2016			

1. Test Laboratory

1.1. Notes of the test report

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

1.2. Test facility

CNAS (accreditation number: L2264)

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

FCC (recognition number is 428261)

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

IC (recognition number is 8510A)

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

VCCI (recognition number is C-4595, T-2154, R-4113, G-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.

1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City:	Shanghai
Post code:	201201
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E-mail:	xukai@ta-shanghai.com

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 B2017G
IMEI:	SIM1:860935030016782 SIM2:860935030018788
Hardware Version:	uj3A
Software Version:	ZTE B2017G_USAV1.0.0B01
Power Supply:	Battery/AC Adapter
Antenna Type:	Internal Antenna
Test Mode:	Bluetooth(Low Energy) 802.11b 802.11g, 802.11n(HT20/HT40);
Modulation Type:	BLE :GFSK 802.11b: DSSS; 802.11g/n(HT20/HT40): OFDM
Max. Conducted Power	Wi-Fi 2.4G :17.23dBm BLE : -0.897dBm
Operating Frequency Range(s)	2400 ~ 2483.5 MHz
EUT Accessory	
Battery 1	Manufacturer: SHENZHEN RUIDE ELECTRONIC INDUSTRIAL CO.,LTD Model: Li3927T44P8h726044 Power Rating: 3.85V/2705mAh
Battery 2	Manufacturer: SCUD (Fujian) Electronics Co., Ltd. Model: Li3927T44P8h726044 Power Rating: 3.85V/2705mAh
Earphone	Manufacturer: KINGSTATE ELECTRONICS CORP. Model: KJAG4020AWKCB-2

Adapter	Manufacturer: Salcomp (Shenzhen) Co., Ltd Model: STC-A5915A-Z Input power: 100-240Vac, 50/60Hz, 0.45A Output power: 5.0V, 1.5A/9.0V, 1.5A
Phone cover	Manufacturer: Shenzhen senyuanxiang Technology Co. Ltd. Model: senyuanxiang
Note: The information of the EUT is declared by the manufacturer. Please refer to the specifications or user manual for details.	

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**

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
802.11n HT40	MCS0

5. Test Case Results

5.1. Peak Power Output –Conducted

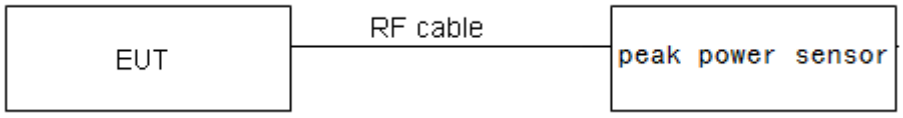
Ambient condition

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 peak power meter with a known loss. The EUT is max power transmission with proper modulation. The peak detector is used. We use Maximum Peak 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."

Measurement Uncertainty

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

Test Results

Network Standards	Carrier frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	Conclusion
802.11b	2412	17.13	30	PASS
	2437	16.79	30	PASS
	2462	17.23	30	PASS
802.11g	2412	13.08	30	PASS
	2437	13.04	30	PASS
	2462	13.07	30	PASS
802.11n HT20	2412	10.72	30	PASS
	2437	10.60	30	PASS
	2462	11.06	30	PASS
802.11n HT40	2422	8.82	30	PASS
	2437	9.02	30	PASS
	2452	8.92	30	PASS
Bluetooth (Low Energy)	2402	-1.585	30	PASS
	2440	-0.897	30	PASS
	2480	-1.963	30	PASS

5.2. 6dB Bandwidth

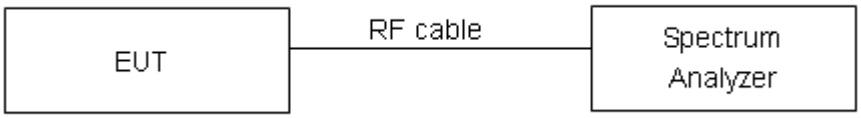
Ambient condition

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

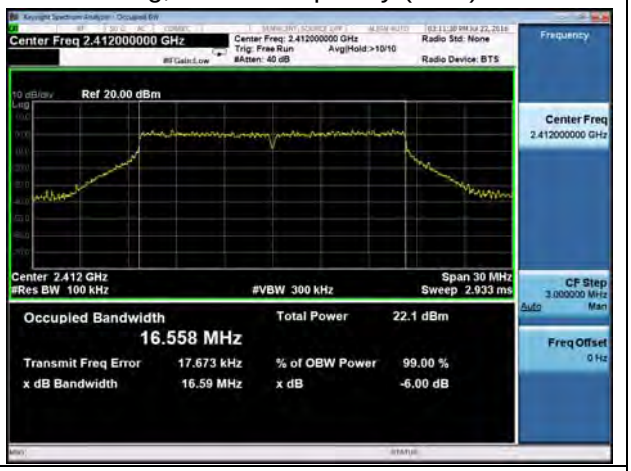
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936 Hz.

Test Results:

Network Standards	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	Limit(kHz)	Conclusion
802.11b	2412	8.875	500	PASS
	2437	8.927	500	PASS
	2462	8.352	500	PASS
802.11g	2412	16.590	500	PASS
	2437	16.540	500	PASS
	2462	16.530	500	PASS
802.11n HT20	2412	17.800	500	PASS
	2437	17.770	500	PASS
	2462	17.760	500	PASS
802.11n HT40	2422	36.060	500	PASS
	2437	35.420	500	PASS
	2452	36.140	500	PASS
Bluetooth (Low Energy)	2402	0.698	500	PASS
	2440	0.686	500	PASS
	2480	0.689	500	PASS

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

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

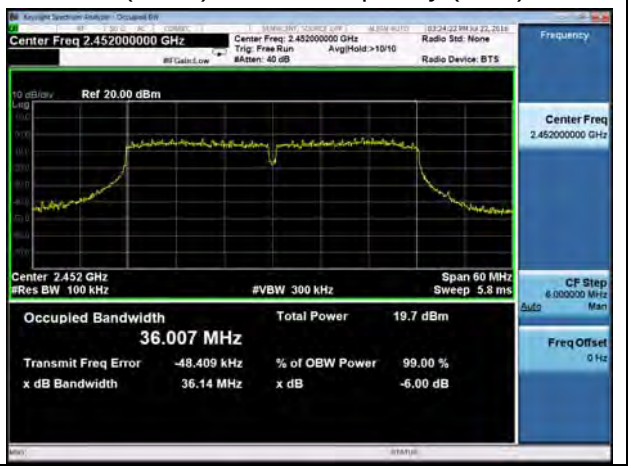
802.11n(HT40), Carrier frequency (MHz): 2422

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

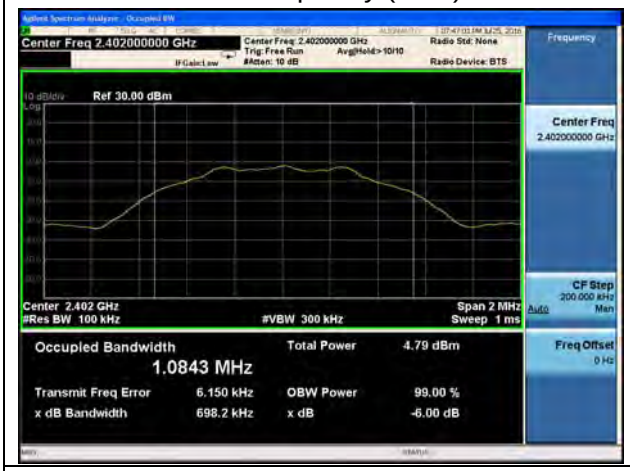
802.11n(HT40), Carrier frequency (MHz): 2437

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

802.11n(HT40), Carrier frequency (MHz):2452



BLE Carrier frequency (MHz): 2402



BLE Carrier frequency (MHz): 2440

BLE Carrier frequency (MHz): 2480

5.3. Band Edge

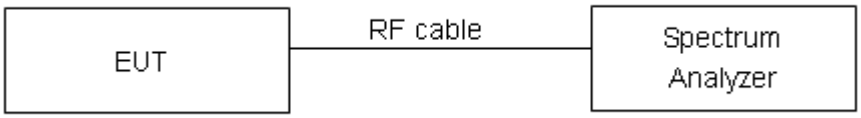
Ambient condition

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.”

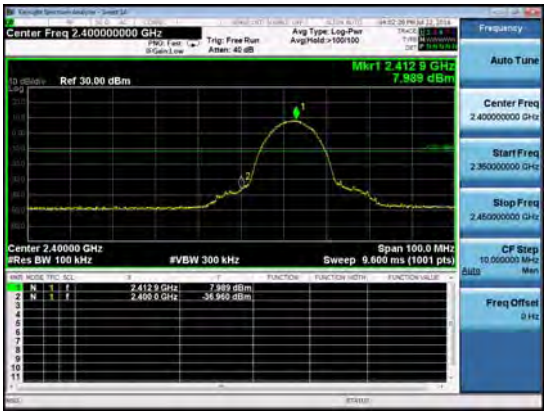
Measurement Uncertainty

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

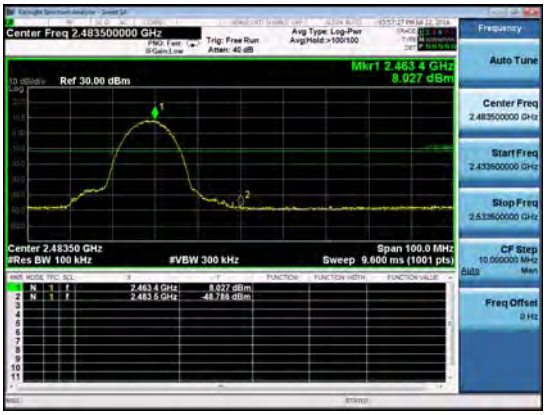
Frequency	Uncertainty
2GHz-3GHz	1.407 dB

Test Results: PASS

802.11b, Channel No.: 1



802.11b, Channel No.: 11



802.11g, Channel No.: 1

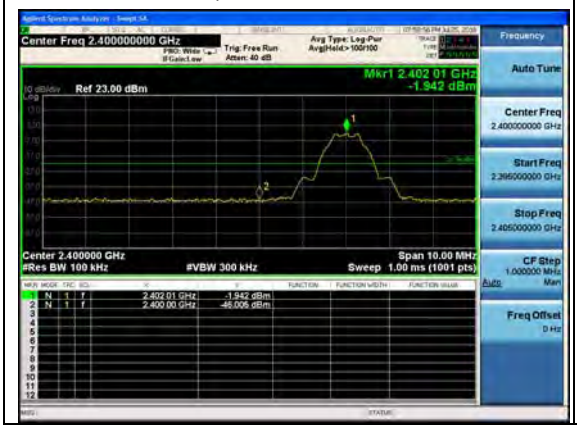
802.11g, Channel No.: 11

802.11n(HT20), Channel No.: 1

802.11n(HT20), Channel No.: 11

802.11n(HT40), Channel No.: 3

802.11n(HT40), Channel No.: 9

BLE, Channel No.: 0	BLE, Channel No.: 39
	

5.4. Power Spectral Density

Ambient condition

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

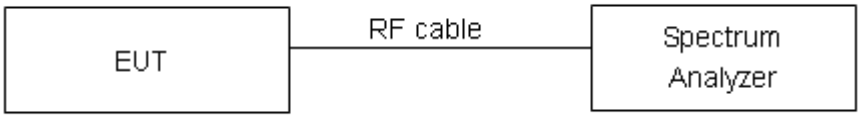
Method of Measurement

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 peak 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

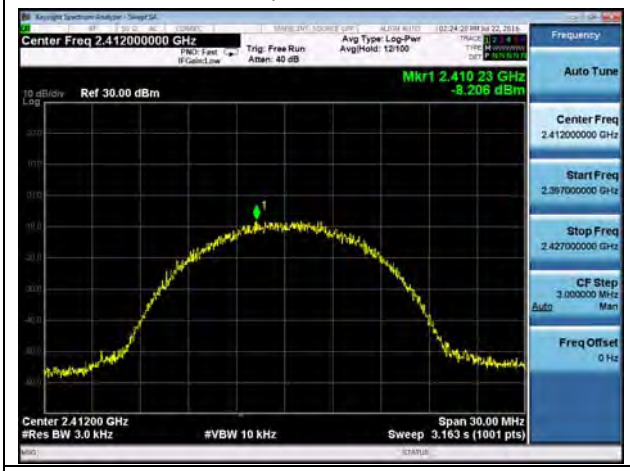
Measurement Uncertainty

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

Test Results:

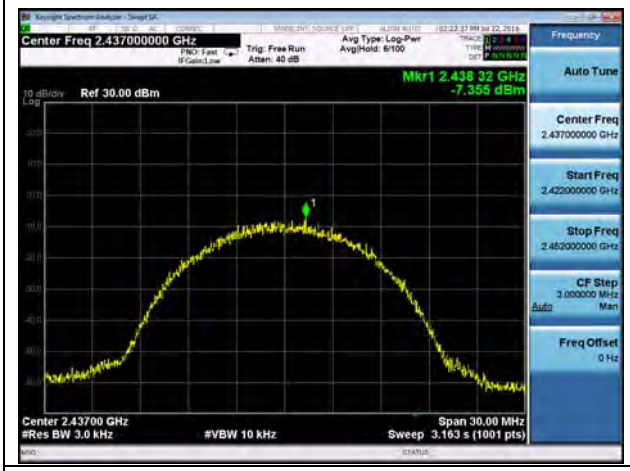
Network Standards	Channel Number	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Conclusion
802.11b	1	-8.206	8	PASS
	6	-7.355	8	PASS
	11	-6.455	8	PASS
802.11g	1	-12.083	8	PASS
	6	-11.626	8	PASS
	11	-14.020	8	PASS
802.11n HT20	1	-13.104	8	PASS
	6	-12.327	8	PASS
	11	-13.912	8	PASS
802.11n HT40	3	-18.205	8	PASS
	6	-18.204	8	PASS
	9	-18.046	8	PASS
Bluetooth (Low Energy)	0	-16.900	8	PASS
	19	-16.183	8	PASS
	39	-17.316	8	PASS

802.11b, Channel No.: 1

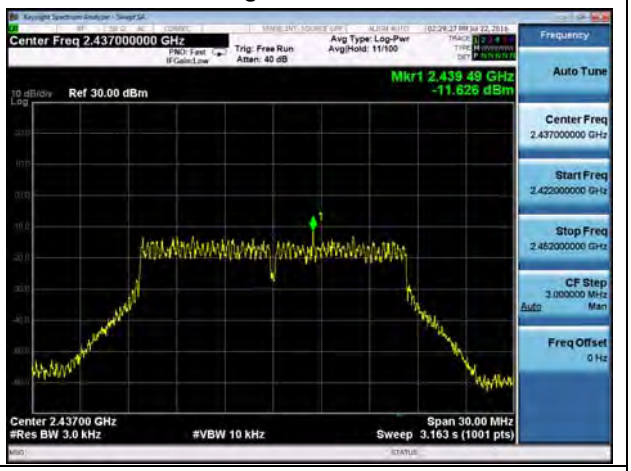


802.11g, Channel No.: 1

802.11b, Channel No.: 6

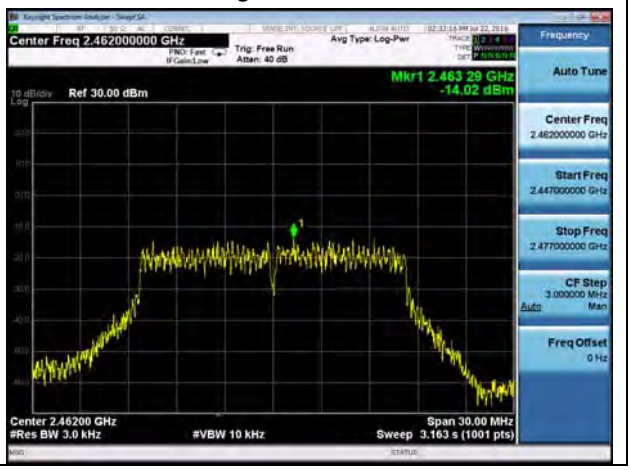


802.11g, Channel No.: 6

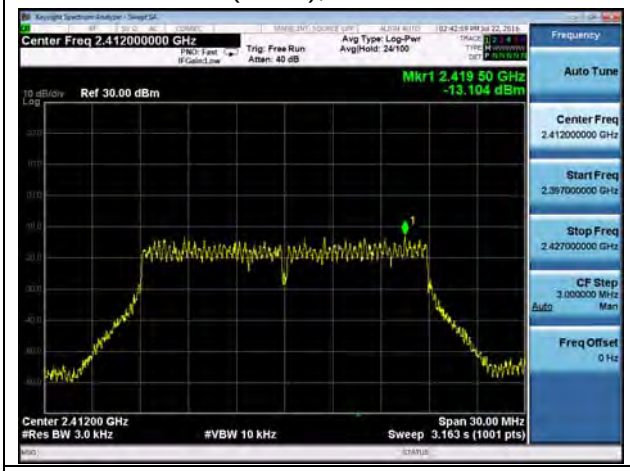


802.11b, Channel No.: 11

802.11g, Channel No.: 11

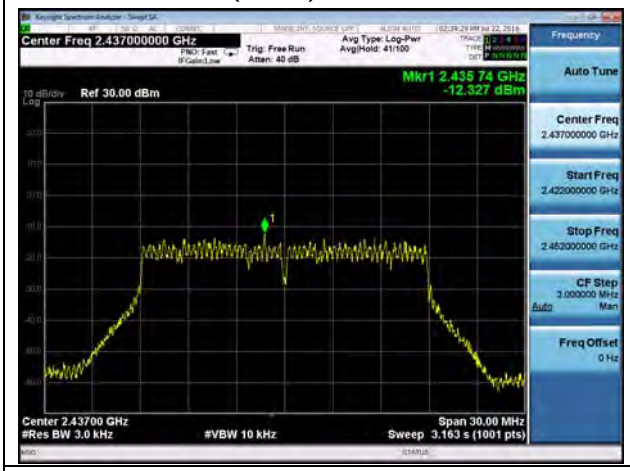


802.11n(HT20), Channel No. 1

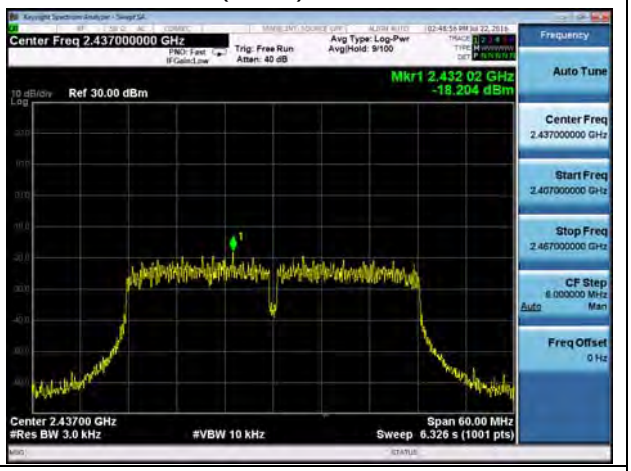


802.11n(HT40), Channel No. 3

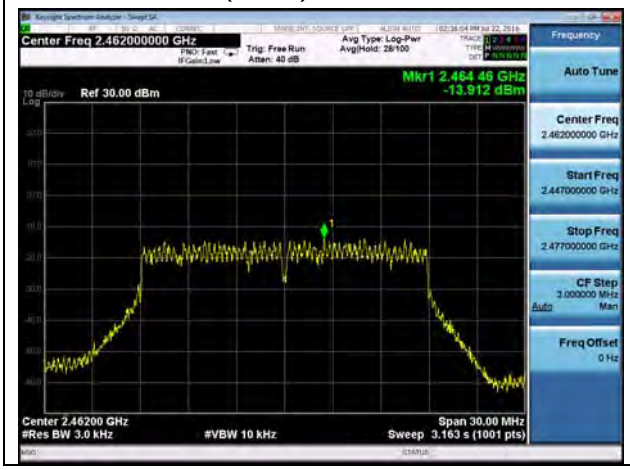
802.11n(HT20), Channel No. 6



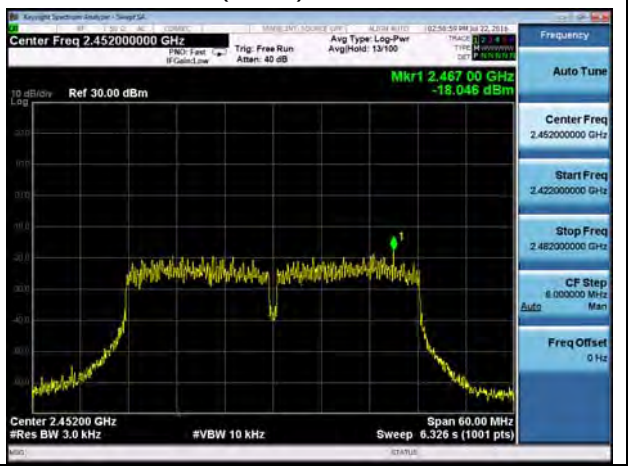
802.11n(HT40), Channel No. 6



802.11n(HT20), Channel No. 11



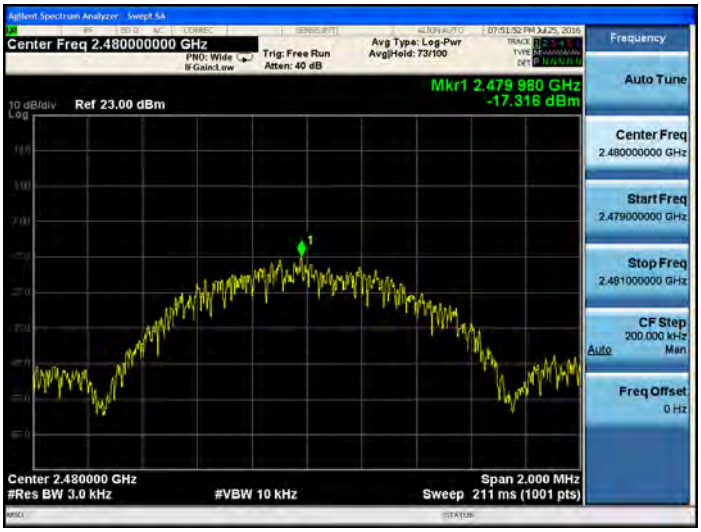
802.11n(HT40), Channel No. 9



BLE, Channel No.: 0

BLE, Channel No.: 19

BLE, Channel No.: 39



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	15.239	-4.761
	2437	10.978	-9.022
	2462	15.659	-4.341
802.11g	2412	12.523	-7.477
	2437	11.032	-8.968
	2462	12.012	-7.988
802.11n HT20	2412	13.818	-6.182
	2437	9.508	-10.492
	2462	12.477	-7.523
802.11n HT40	2422	10.121	-9.879
	2437	10.273	-9.727
	2452	13.375	-6.625
Bluetooth (Low Energy)	2402	-2.233	-22.233
	2440	-7.419	-27.419
	2480	-3.696	-23.693

Measurement Uncertainty

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

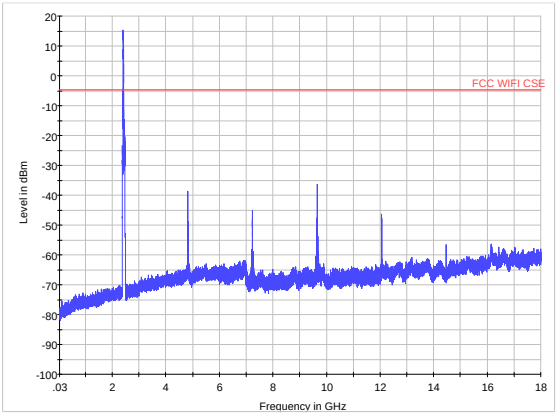
Frequency	Uncertainty
100kHz-2GHz	0.684 dB
2GHz-26GHz	1.407 dB

Test Results:

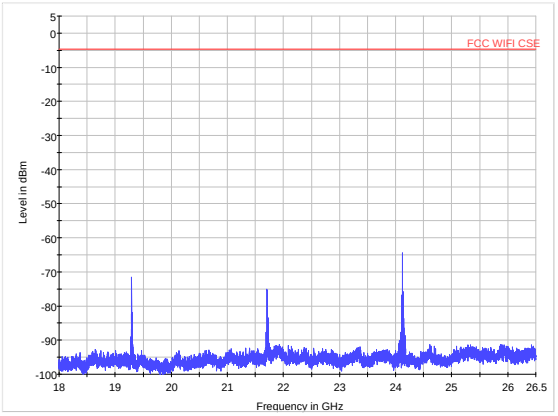
If disturbances were found more than 20dB below limit line, the mark is not required for the EUT.

The signal beyond the limit is carrier.

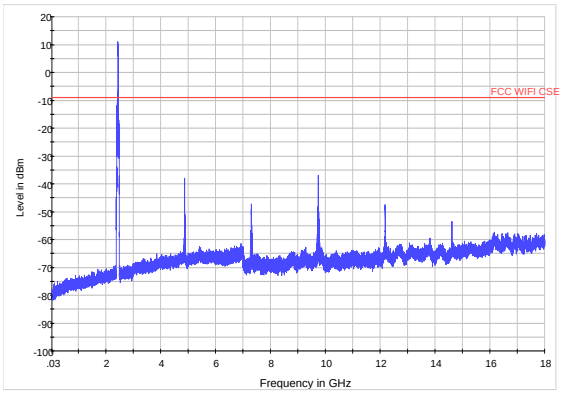
802.11b CH1 30MHz to 18GHz



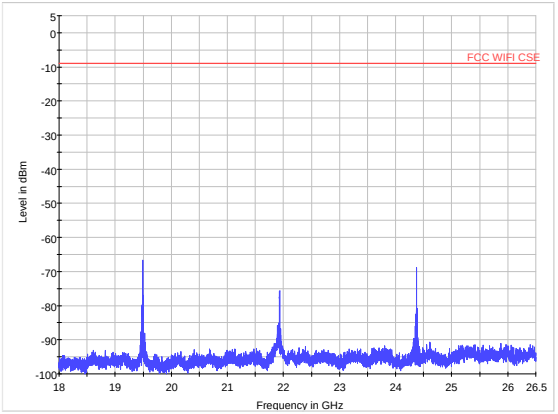
802.11b CH1 18GHz to 26.5GHz



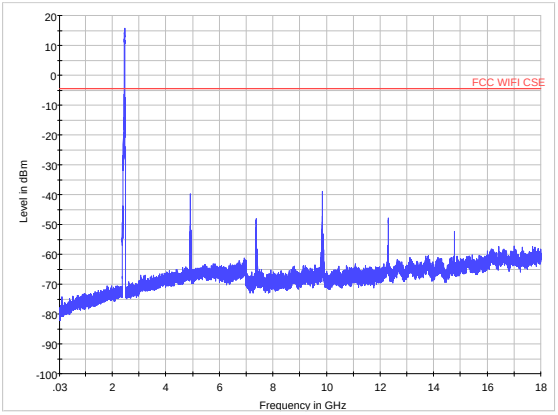
802.11b CH6 30MHz to 18GHz



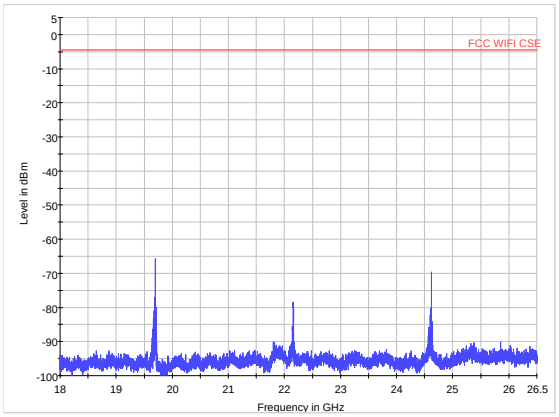
802.11b CH6 18GHz to 26.5GHz



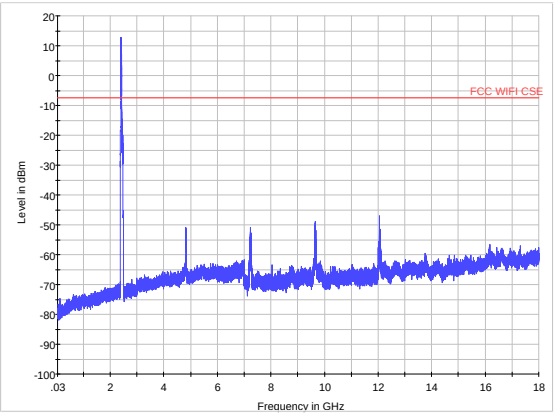
802.11b CH11 30MHz to 18GHz



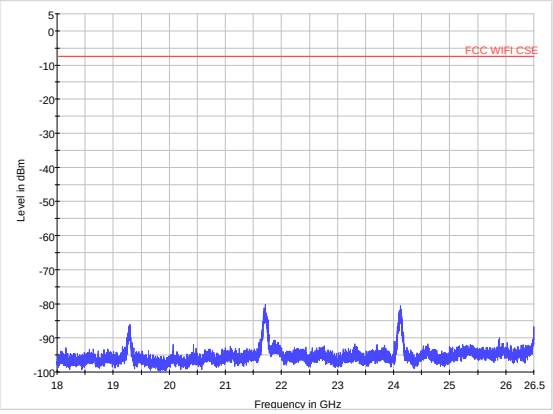
802.11b CH11 18GHz to 26.5GHz



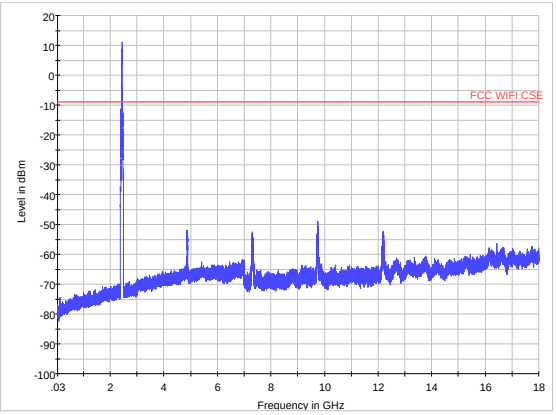
802.11g CH1 30MHz to 18GHz



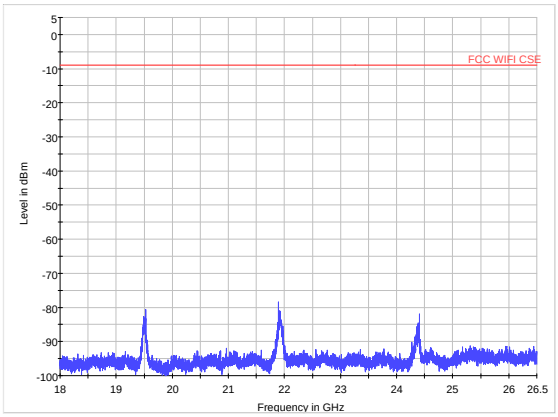
802.11g CH1 18GHz to 26.5GHz



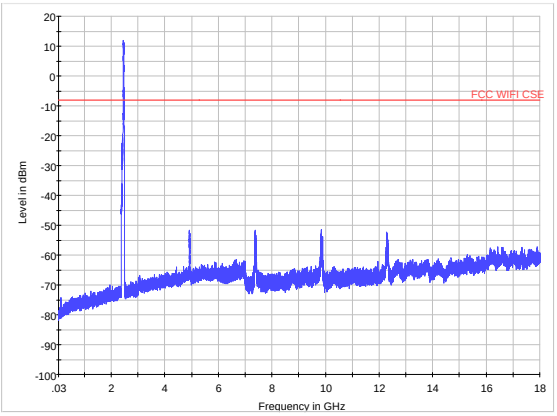
802.11g CH6 30MHz to 18GHz



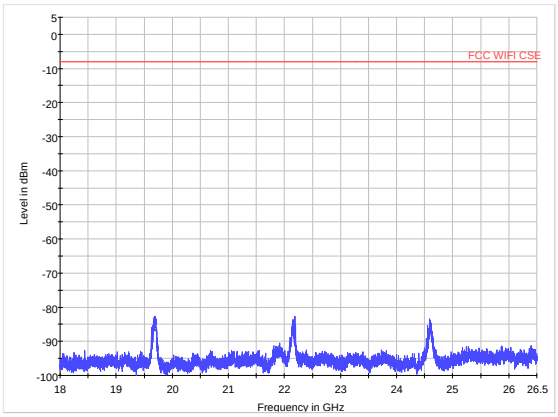
802.11g CH6 18GHz to 26.5GHz



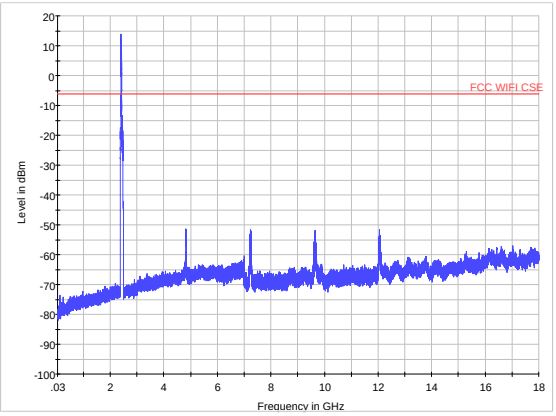
802.11g CH11 30MHz to 18GHz



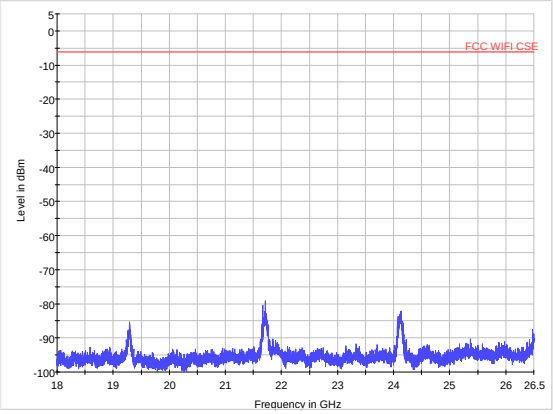
802.11g CH11 18GHz to 26.5GHz



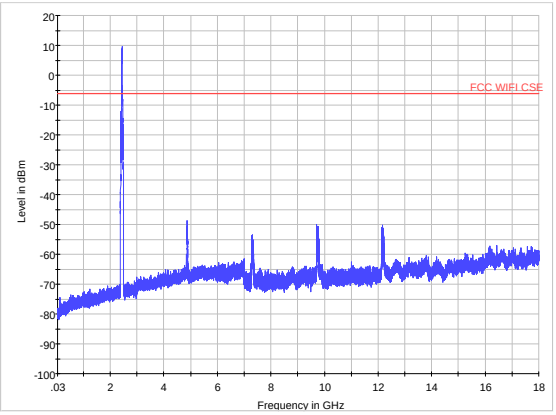
802.11n (HT20) CH1 30MHz to 18GHz



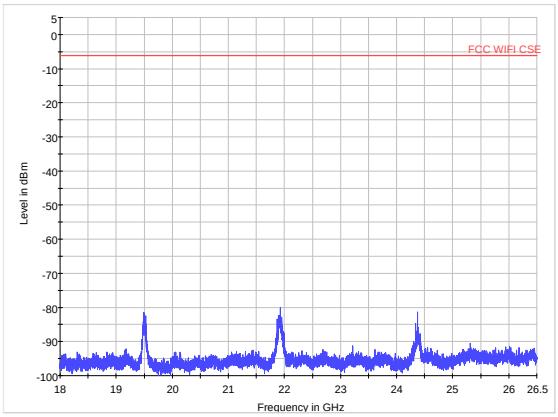
802.11n (HT20) CH1 18GHz to 26.5GHz



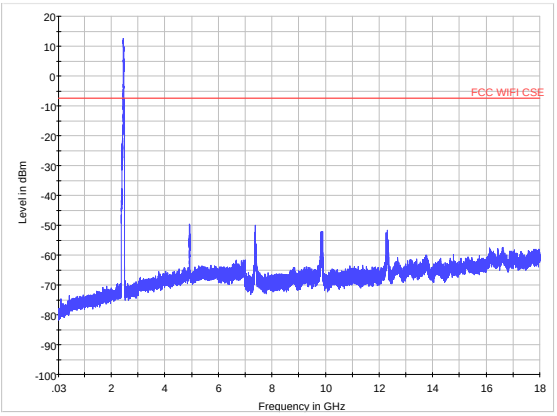
802.11n (HT20) CH6 30MHz to 18GHz



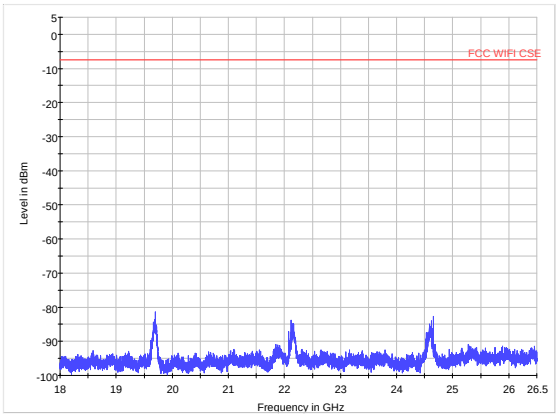
802.11n (HT20) CH6 18GHz to 26.5GHz



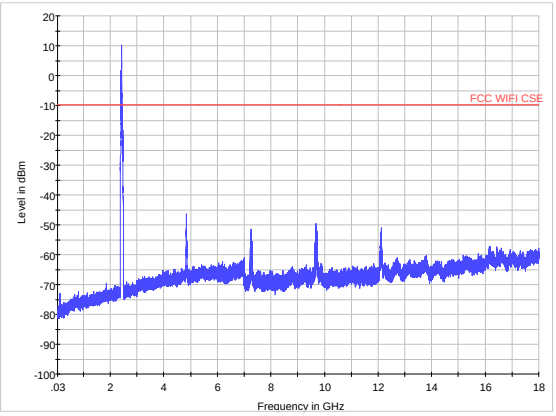
802.11n (HT20) CH11 30MHz to 18GHz



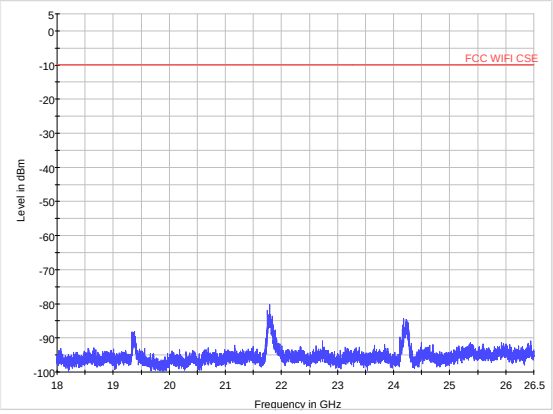
802.11n (HT20) CH11 18GHz to 26.5GHz



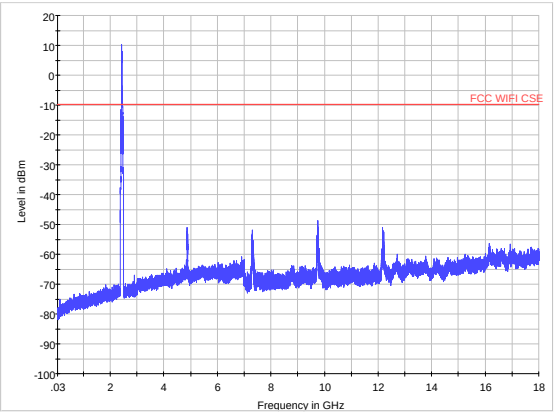
802.11n (HT40) CH3 30MHz to 18GHz



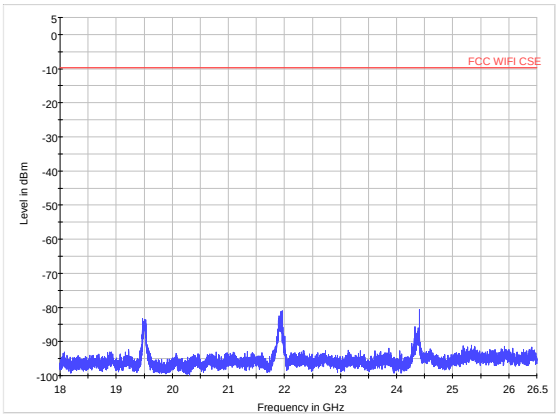
802.11n (HT40) CH3 18GHz to 26.5GHz



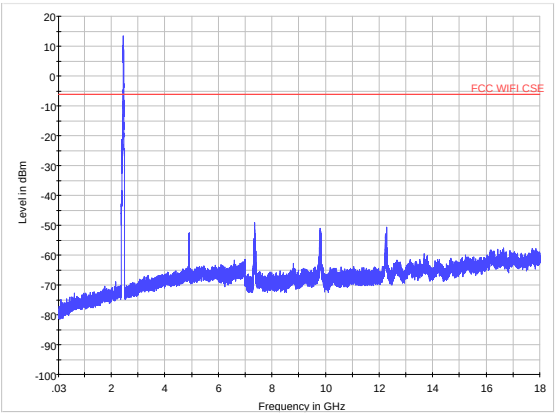
802.11n (HT40) CH6 30MHz to 18GHz



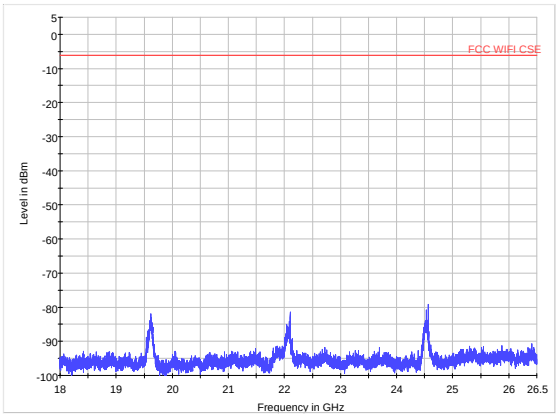
802.11n (HT40) CH6 18GHz to 26.5GHz



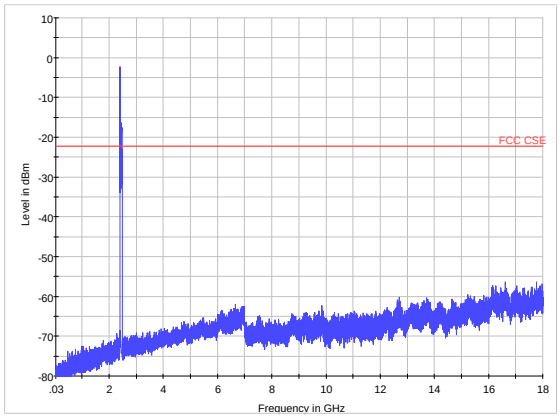
802.11n (HT40) CH9 30MHz to 18GHz



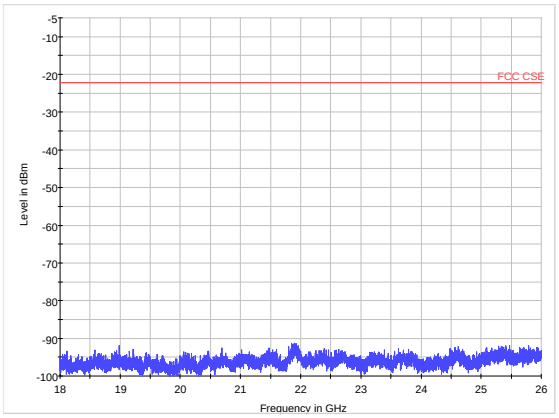
802.11n (HT40) CH9 18GHz to 26.5GHz



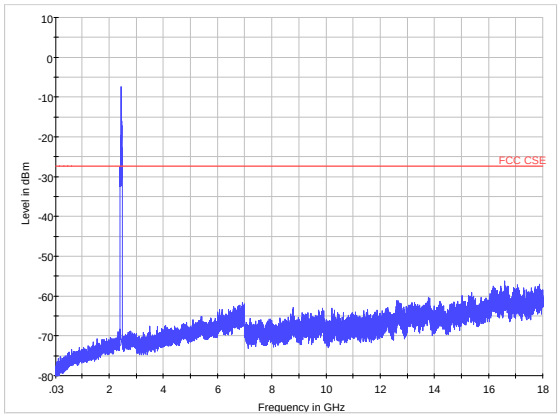
BLE CH0 30MHz to 18GHz



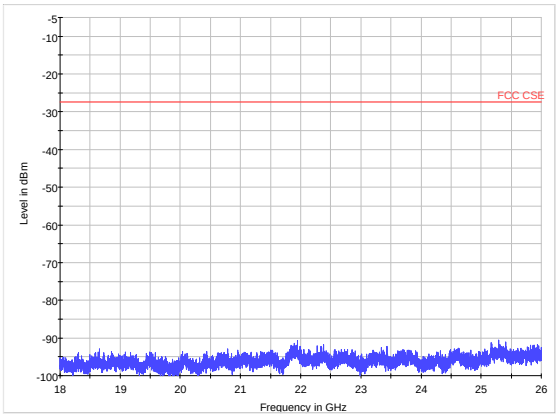
BLE CH0 18GHz to 26GHz



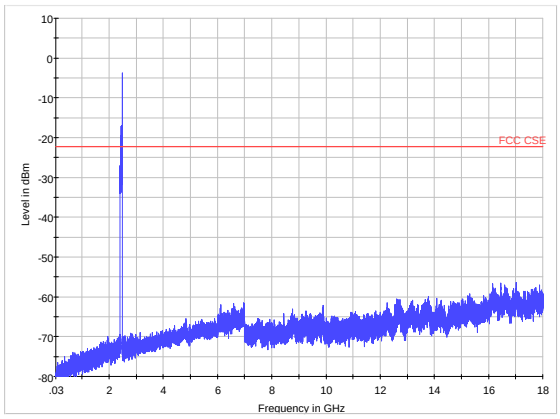
BLE CH19 30MHz to 18GHz



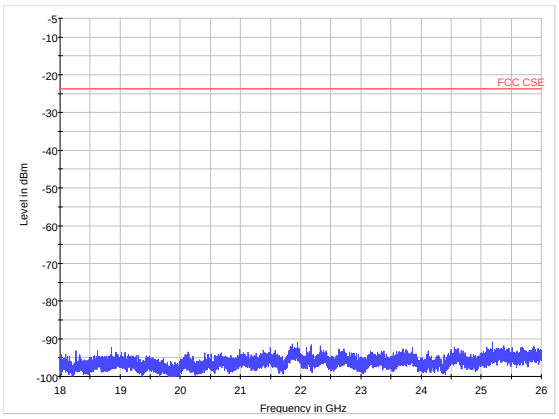
BLE CH19 18GHz to 26GHz



BLE CH39 30MHz to 18GHz



BLE CH39 18GHz to 26GHz



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

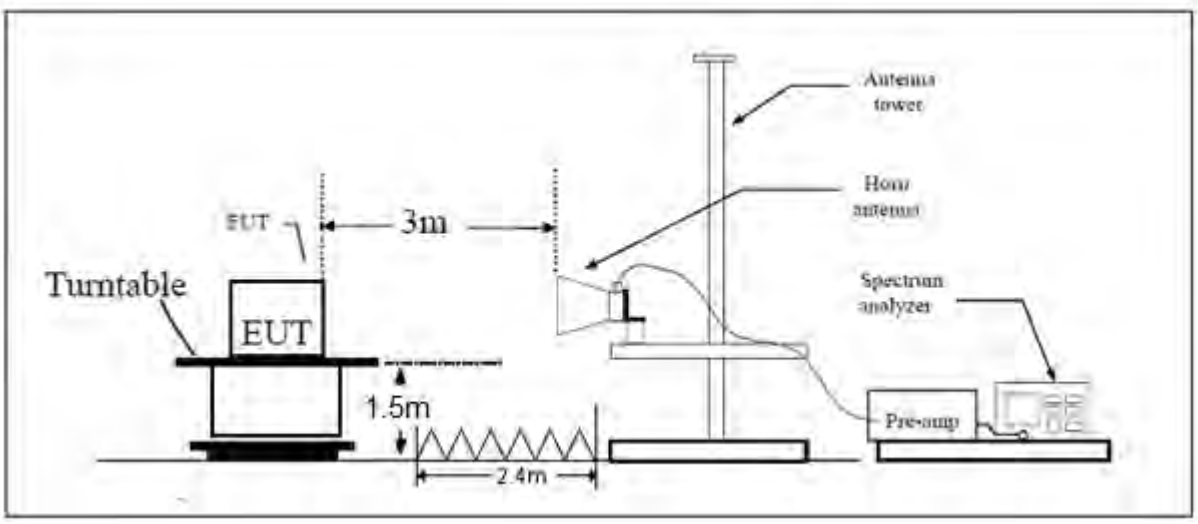
The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. 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

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

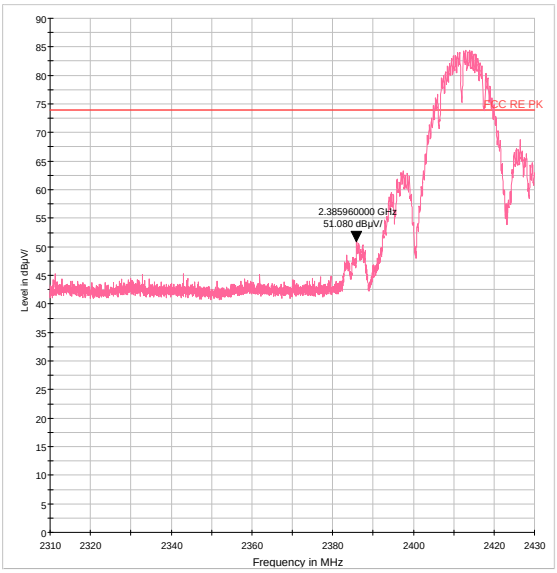
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 3.55 dB.

Test Results:

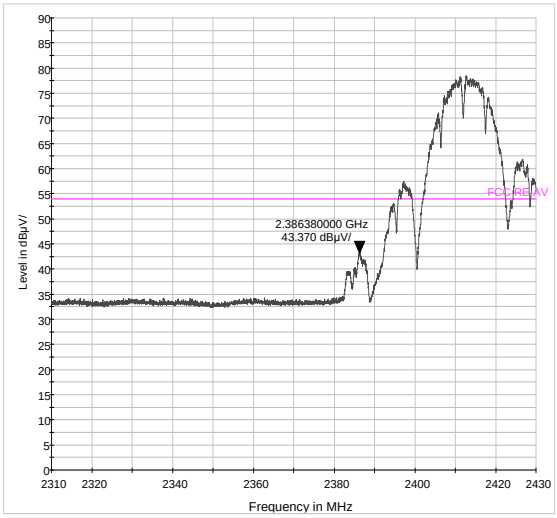
PASS

The signal beyond the limit is carrier.

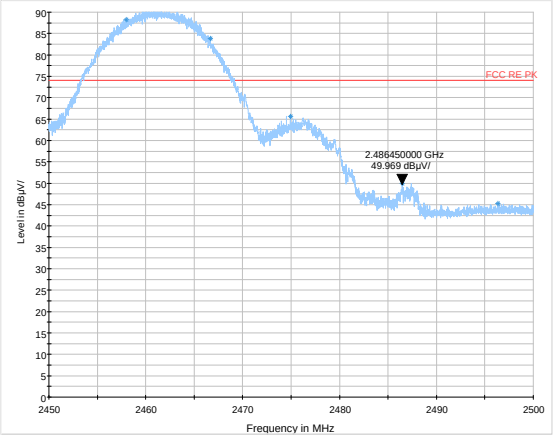
802.11b-Channel 1: Peak



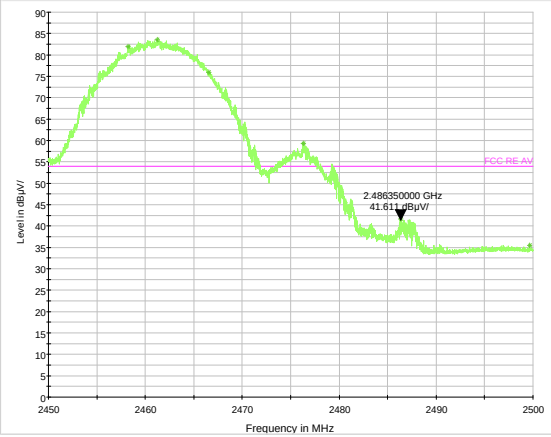
802.11b-Channel 1: Average



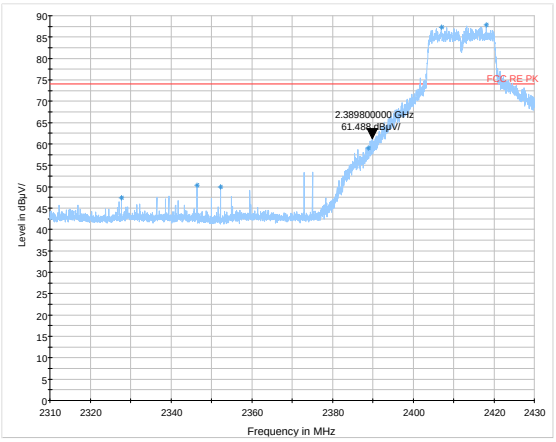
802.11b-Channel 11: Peak



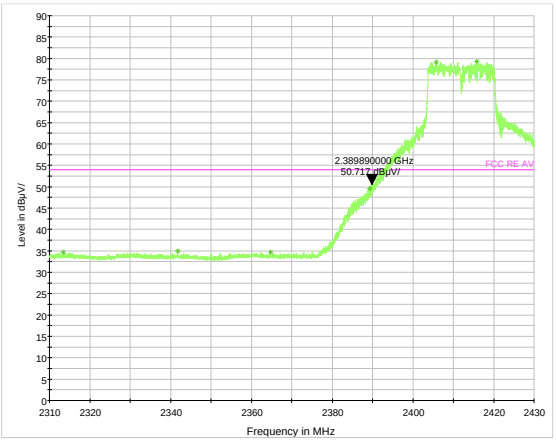
802.11b-Channel 11: Average



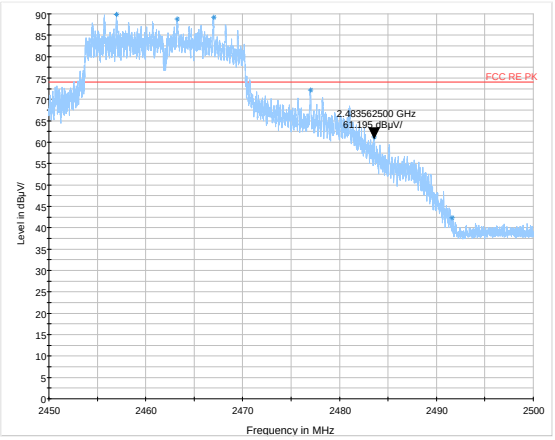
802.11g-Channel 1: Peak



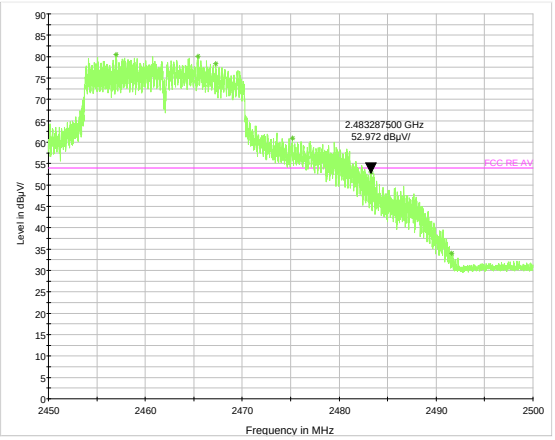
802.11g-Channel 1: Average



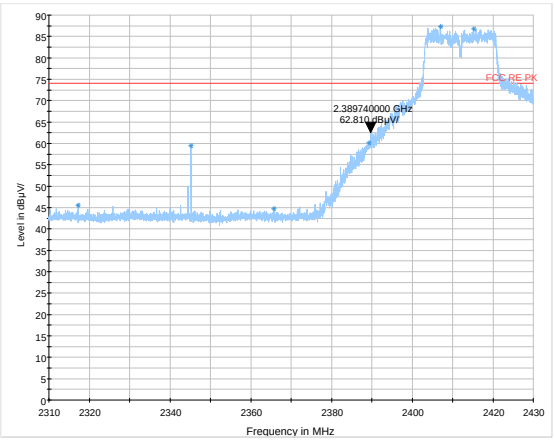
802.11g-Channel 11: Peak



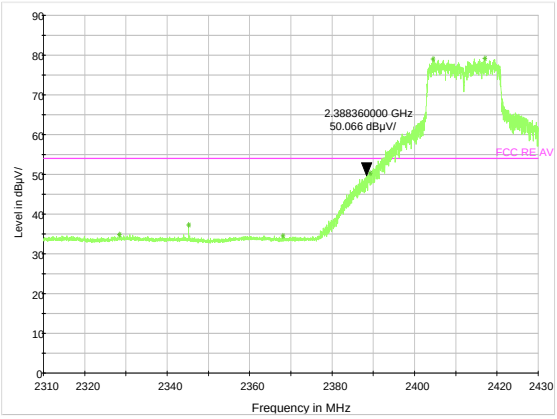
802.11g-Channel 11: Average



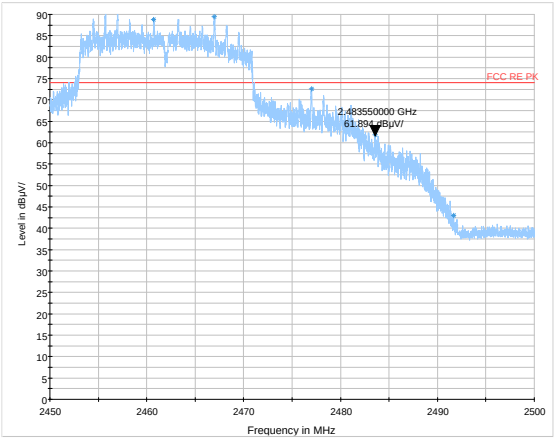
802.11n HT20 -Channel 1: Peak



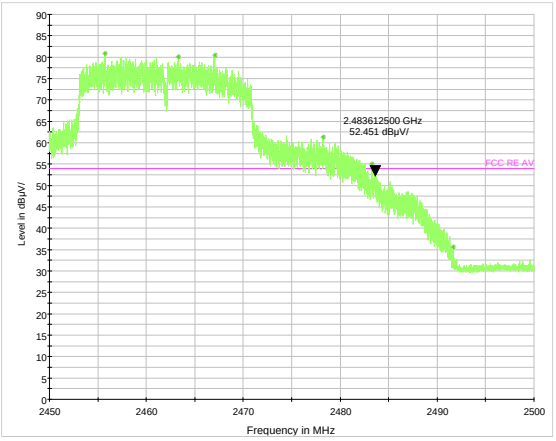
802.11n HT20-Channel 1: Average



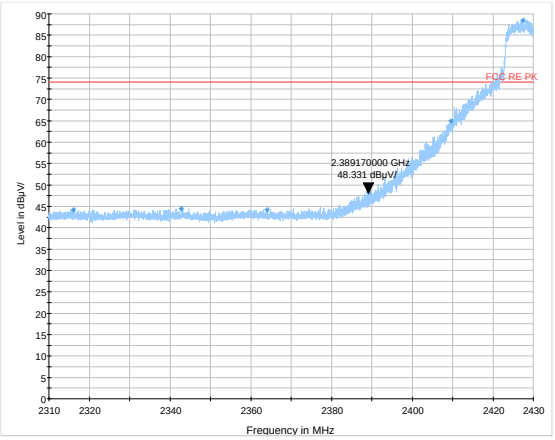
802.11n HT20-Channel 11: Peak



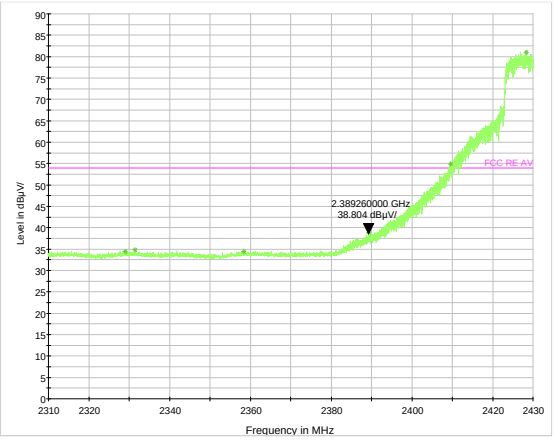
802.11n HT20-Channel 11: Average



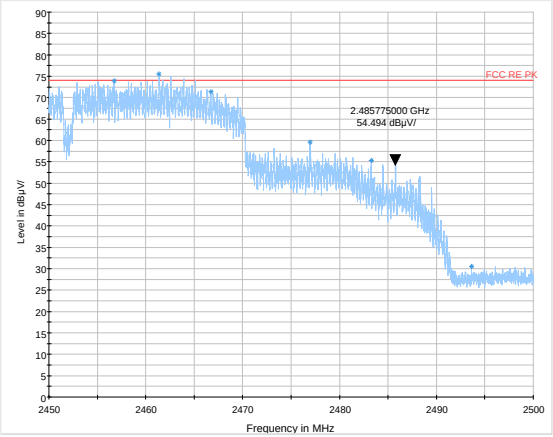
802.11n HT40 -Channel 3: Peak



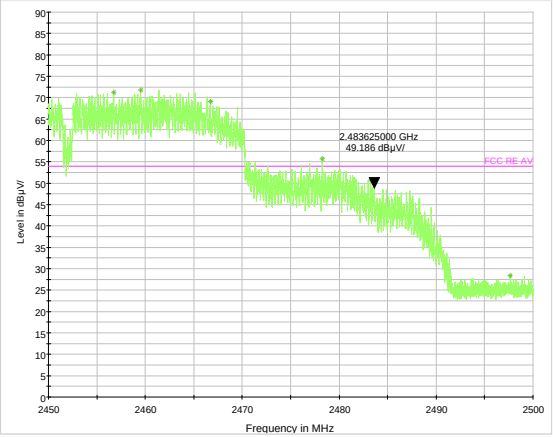
802.11n HT40-Channel 3: Average



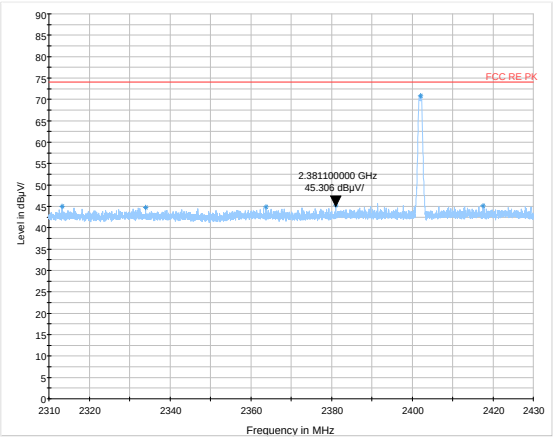
802.11n HT40-Channel 9: Peak



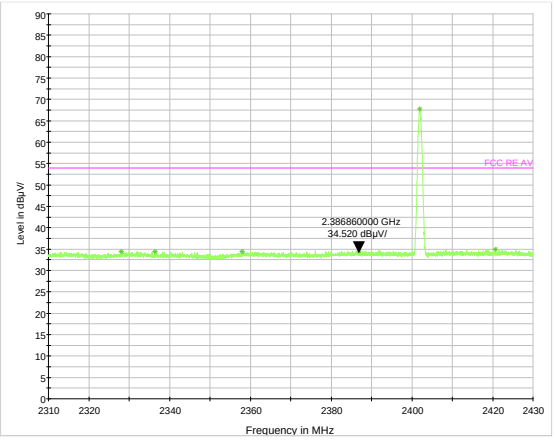
802.11n HT40-Channel 9: Average



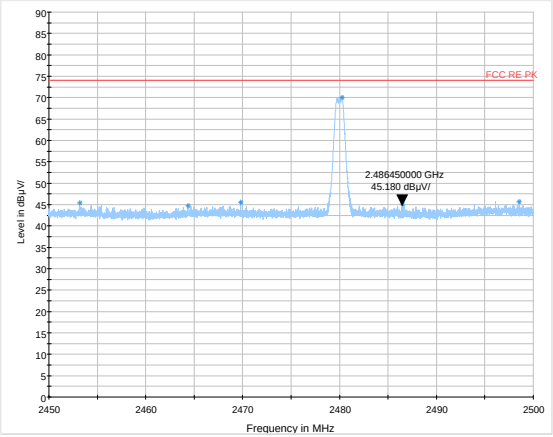
BLE -Channel 0: Peak



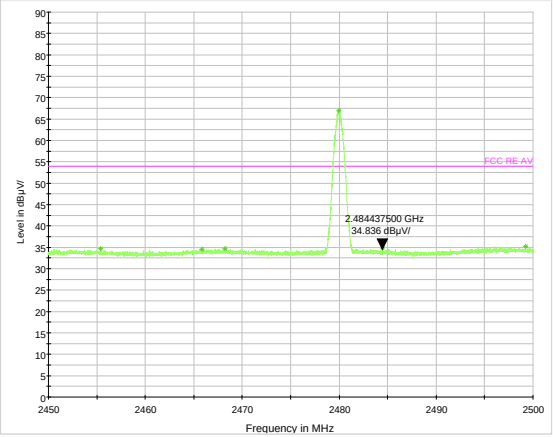
BLE -Channel 0: Average



BLE -Channel 39: Peak



BLE -Channel 39: Average



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.

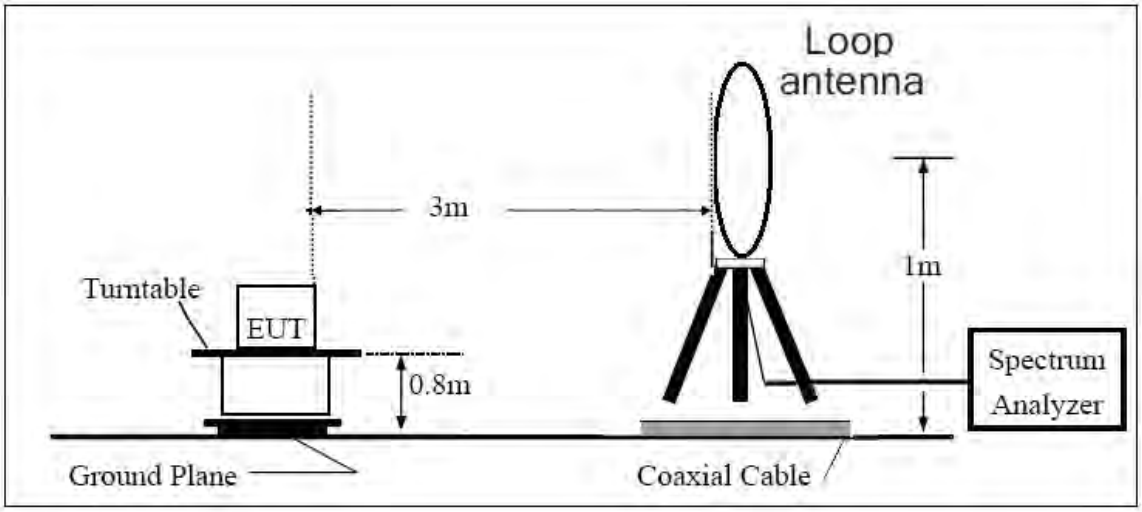
During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum 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.

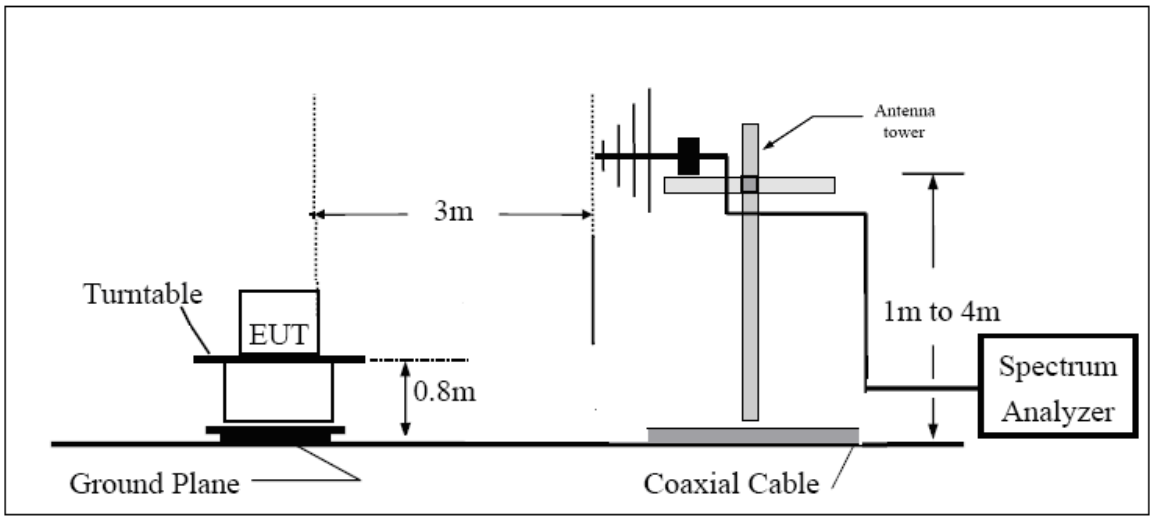
The test is in transmitting mode.

Test setup

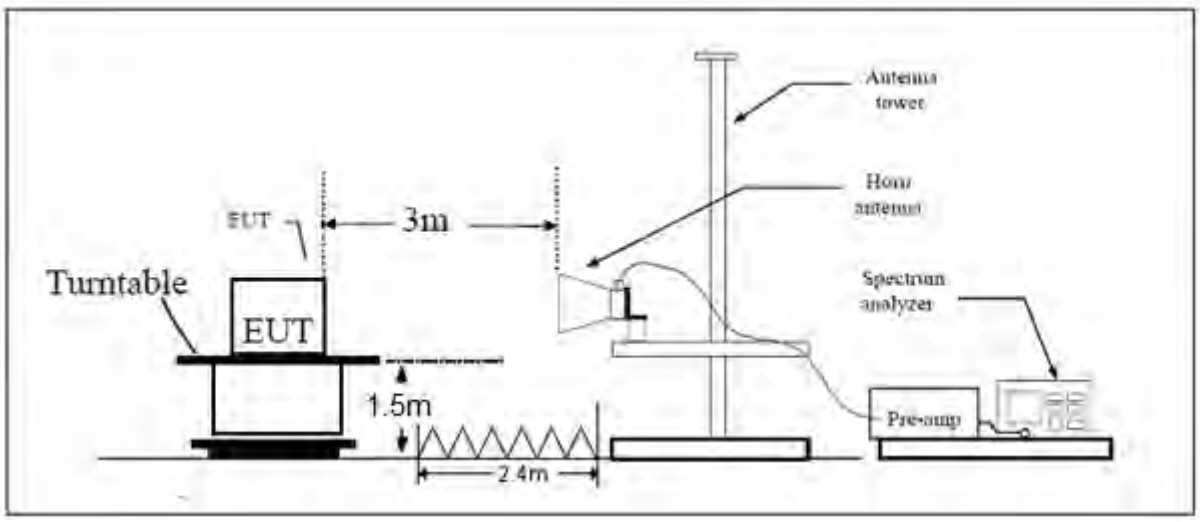
9KHz~~~ 30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

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

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.

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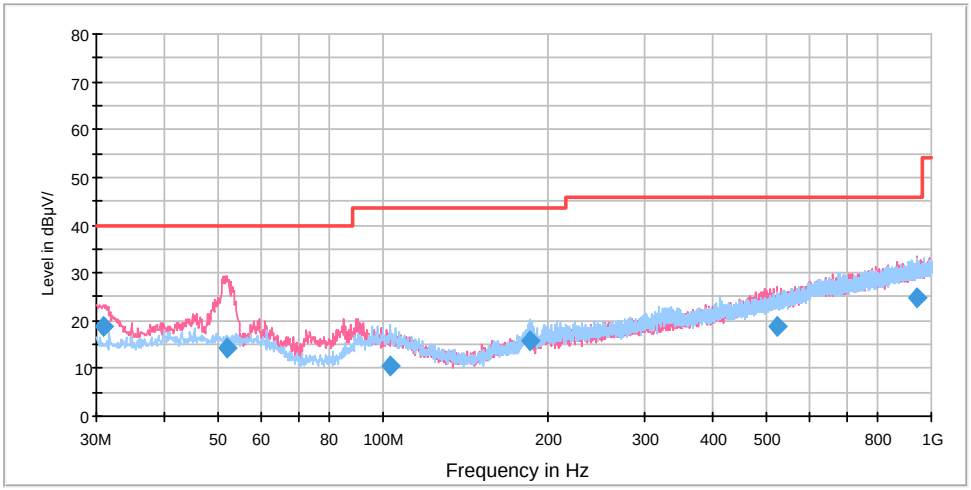


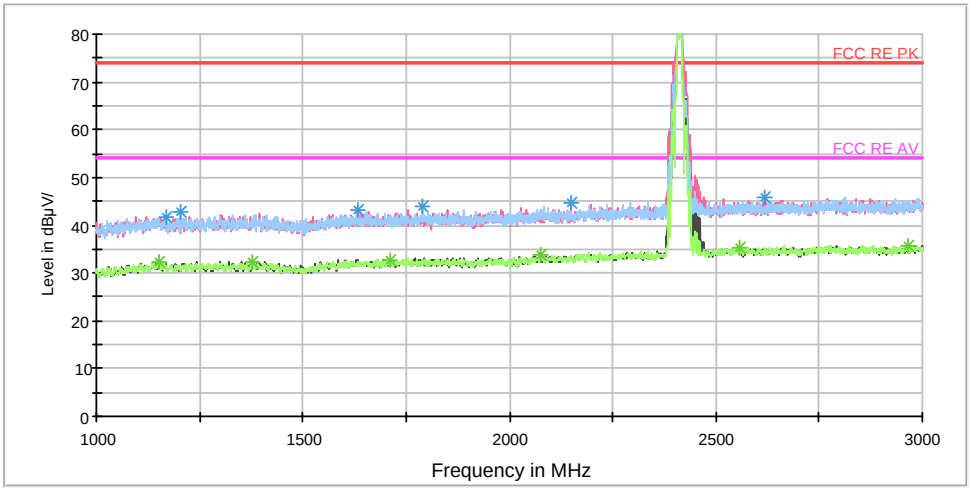
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.880000	18.9	111.0	V	333.0	30.8	11.9	21.1	40.0
52.103750	14.4	100.0	V	273.0	27.3	12.9	25.6	40.0
102.831250	10.5	125.0	H	323.0	23.5	13.0	33.0	43.5
185.315000	15.9	113.0	H	271.0	27.1	11.2	27.6	43.5
522.355000	18.8	100.0	V	141.0	39.2	20.4	27.2	46.0
939.773750	24.9	125.0	V	232.0	50.8	25.9	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



Note: The signal beyond the limit is carrier.

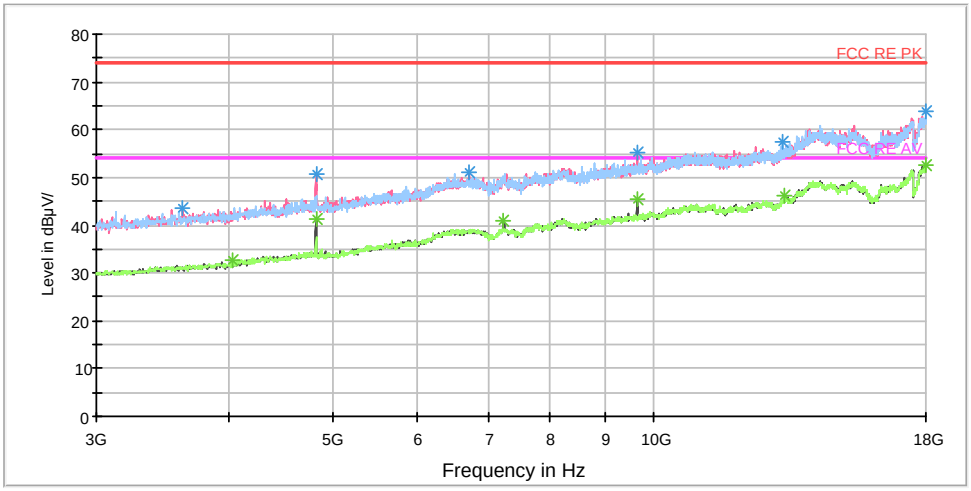
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1168.000000	41.7	100.0	H	258.0	42.5	-0.8	32.3	74
1203.000000	42.7	100.0	H	23.0	43.4	-0.7	31.3	74
1631.500000	43.3	100.0	V	245.0	44.4	1.1	30.7	74
1790.500000	44.0	100.0	H	108.0	45.7	1.7	30.0	74
2618.000000	45.9	100.0	V	354.0	51.3	5.4	28.1	74
2149.000000	44.7	100.0	V	188.0	47.8	3.1	29.3	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)
1151.500000	32.4	100.0	V	26.0	33.2	-0.8	21.6	54
1379.500000	32.3	100.0	V	356.0	32.4	0.1	21.7	54
1713.000000	32.9	100.0	V	348.0	34.2	1.3	21.1	54
2075.500000	33.8	100.0	H	1.0	36.5	2.7	20.2	54
2964.500000	35.9	100.0	H	4.0	41.8	5.9	18.1	54
2559.000000	35.4	100.0	V	344.0	40.6	5.2	18.6	54

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



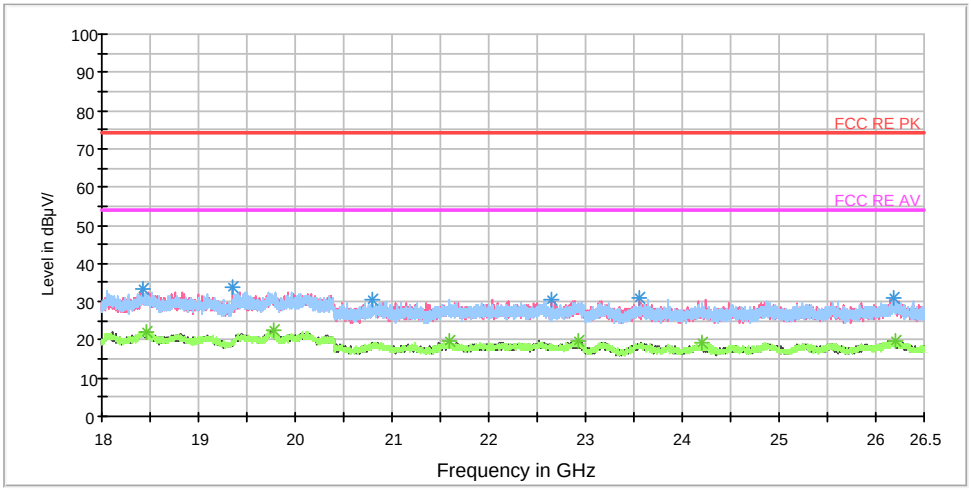
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3618.750000	43.6	100.0	V	334.0	46.2	-2.6	30.4	74
4822.500000	50.6	100.0	V	141.0	51.1	-0.5	23.4	74
6720.000000	50.9	100.0	V	334.0	55.9	5.0	23.1	74
9648.750000	55.0	100.0	V	334.0	65.9	10.9	19.0	74
13188.750000	57.5	100.0	H	6.0	74.9	17.4	16.5	74
18000.000000	63.7	100.0	H	14.0	89.6	25.9	10.3	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4027.500000	32.9	100.0	H	116.0	34.9	-2.0	21.1	54
4822.500000	41.5	100.0	V	141.0	42.0	-0.5	12.5	54
7233.750000	40.9	100.0	V	345.0	46.4	5.5	13.1	54
9648.750000	45.5	100.0	V	334.0	56.4	10.9	8.5	54
13267.500000	46.0	100.0	V	0.0	63.7	17.7	8.0	54
17996.250000	52.7	100.0	V	359.0	78.5	25.8	1.3	54

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



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)
18421.812500	33.2	V	0.0	36.7	-3.5	40.8	74
19348.312500	33.7	V	0.0	38.3	-4.6	40.3	74
20793.312500	30.4	V	0.0	35.3	-4.9	43.6	74
22651.625000	30.5	V	0.0	34.9	-4.4	43.5	74
23554.750000	31.1	V	0.0	36.3	-5.2	42.9	74
26182.312500	31.0	H	0.0	36.1	-5.1	43.0	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)
18466.437500	22.2	V	0.0	25.7	-3.5	31.8	54
19775.437500	22.4	V	0.0	27.1	-4.7	31.6	54
21583.812500	19.9	V	0.0	25.2	-5.3	34.1	54
22923.625000	19.6	V	0.0	24.2	-4.6	34.4	54
24206.062500	19.4	H	0.0	25.0	-5.6	34.6	54
26196.125000	19.8	H	0.0	24.9	-5.1	34.2	54

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

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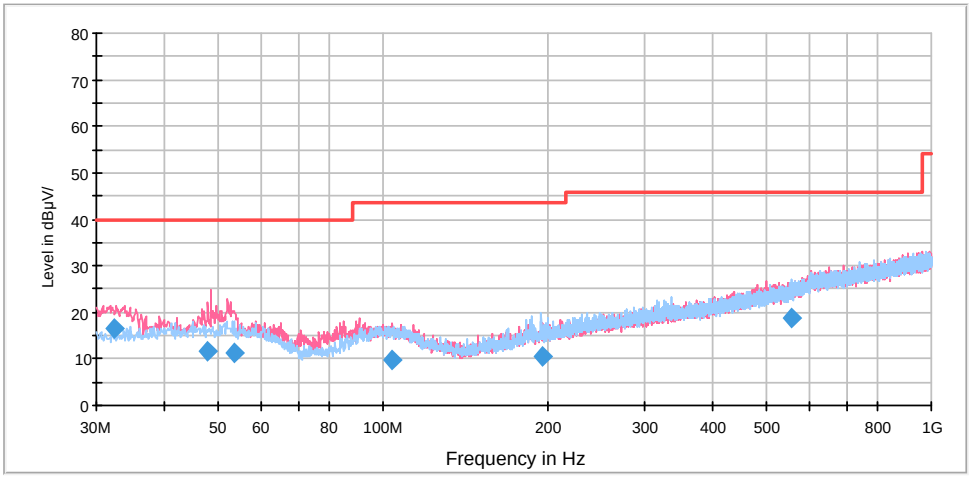


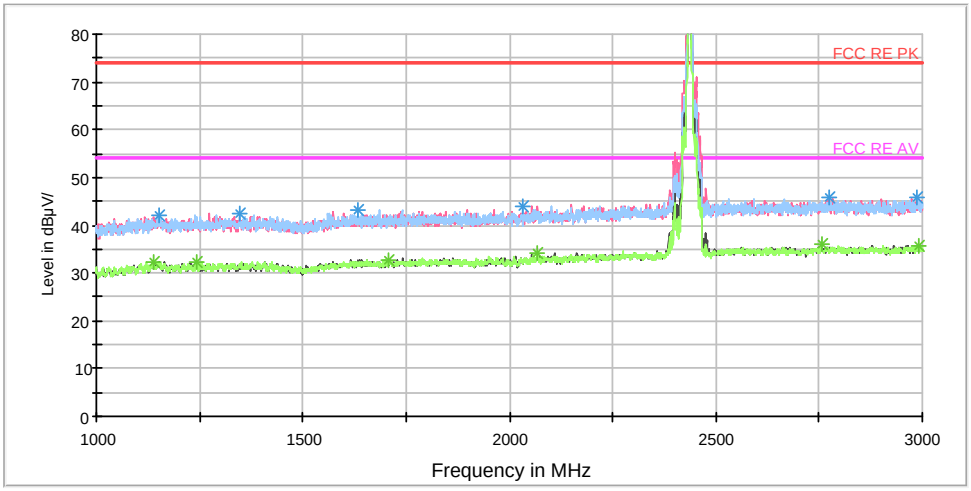
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
32.267500	16.4	100.0	V	222.0	28.3	11.9	23.6	40.0
47.991250	11.7	114.0	V	0.0	24.7	13.0	28.3	40.0
53.447500	11.1	100.0	V	274.0	23.9	12.8	28.9	40.0
103.605000	9.8	125.0	V	288.0	22.7	12.9	33.7	43.5
194.816250	10.5	125.0	H	296.0	22.2	11.7	33.0	43.5
555.815000	18.6	100.0	H	212.0	39.8	21.2	27.4	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



Note: The signal beyond the limit is carrier.

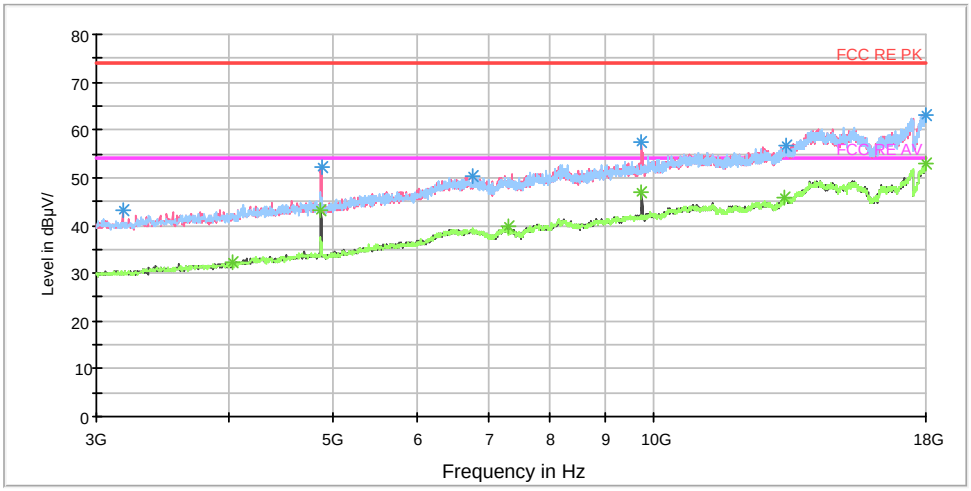
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.000000	42.1	100.0	H	249.0	42.9	-0.8	31.9	74
1347.500000	42.5	100.0	H	62.0	42.5	0.0	31.5	74
1634.000000	43.3	100.0	V	0.0	44.4	1.1	30.7	74
2031.000000	44.1	100.0	H	222.0	46.5	2.4	29.9	74
2773.000000	46.0	100.0	V	265.0	51.8	5.8	28.0	74
2989.000000	45.7	100.0	H	53.0	51.7	6.0	28.3	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)
1137.000000	32.4	100.0	V	281.0	33.3	-0.9	21.6	54
1241.500000	32.5	100.0	H	0.0	32.9	-0.4	21.5	54
1708.000000	32.8	100.0	H	0.0	34.1	1.3	21.2	54
2069.000000	34.1	100.0	H	189.0	36.8	2.7	19.9	54
2755.000000	36.1	100.0	H	0.0	41.8	5.7	17.9	54
2989.500000	35.8	100.0	V	249.0	41.8	6.0	18.2	54

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



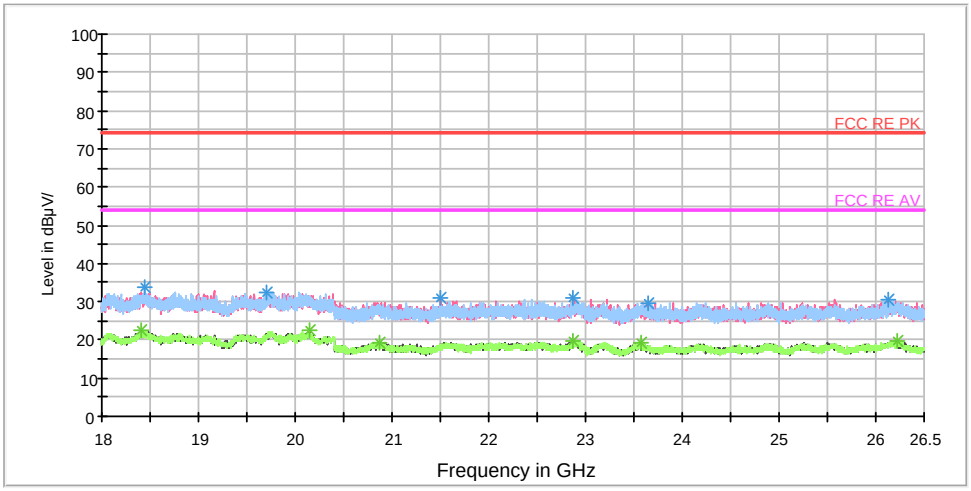
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3176.250000	43.3	100.0	V	239.0	46.7	-3.4	30.7	74
4878.750000	52.1	100.0	V	330.0	52.6	-0.5	21.9	74
6753.750000	50.5	100.0	V	0.0	55.5	5.0	23.5	74
9746.250000	57.4	100.0	V	330.0	68.5	11.1	16.6	74
13290.000000	56.6	100.0	H	199.0	74.3	17.7	17.4	74
17970.000000	63.1	100.0	V	303.0	88.6	25.5	10.9	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4027.500000	32.1	100.0	V	358.0	34.1	-2.0	21.9	54
4875.000000	43.0	100.0	V	337.0	43.5	-0.5	11.0	54
7308.750000	40.0	100.0	V	356.0	45.6	5.6	14.0	54
9746.250000	47.0	100.0	V	330.0	58.1	11.1	7.0	54
13278.750000	45.9	100.0	H	217.0	63.6	17.7	8.1	54
17985.000000	53.1	100.0	V	348.0	78.8	25.7	0.9	54

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



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)
18444.125000	33.7	H	0.0	37.2	-3.5	40.3	74
19696.812500	32.5	H	0.0	37.2	-4.7	41.5	74
21508.375000	30.8	V	0.0	36.2	-5.4	43.2	74
22867.312500	30.8	V	0.0	35.3	-4.5	43.2	74
23639.750000	29.7	V	0.0	35.1	-5.4	44.3	74
26120.687500	30.5	V	0.0	35.7	-5.2	43.5	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18402.687500	22.4	H	0.0	25.9	-3.5	31.6	54
20149.437500	22.4	V	0.0	27.3	-4.9	31.6	54
20874.062500	19.4	H	0.0	24.4	-5.0	34.6	54
22879.000000	19.6	V	0.0	24.1	-4.5	34.4	54
23580.250000	19.3	H	0.0	24.6	-5.3	34.7	54
26225.875000	19.9	V	0.0	24.9	-5.0	34.1	54

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

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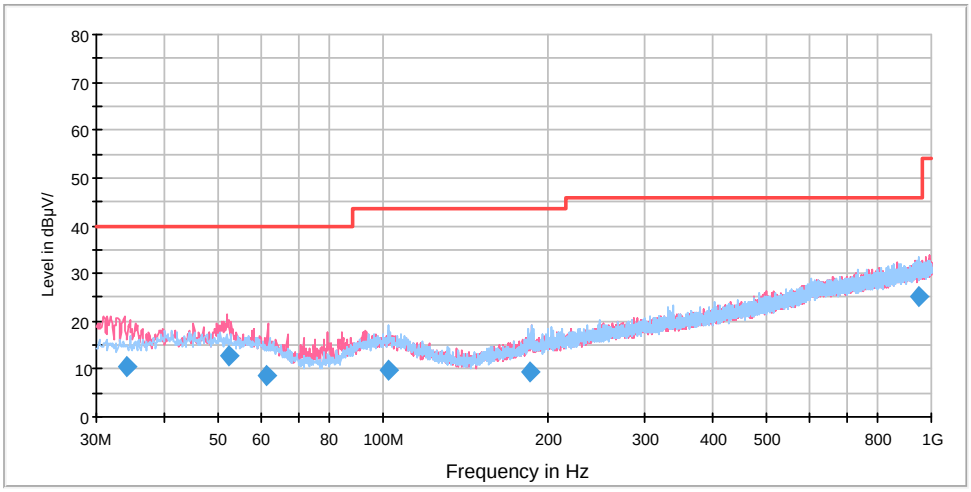


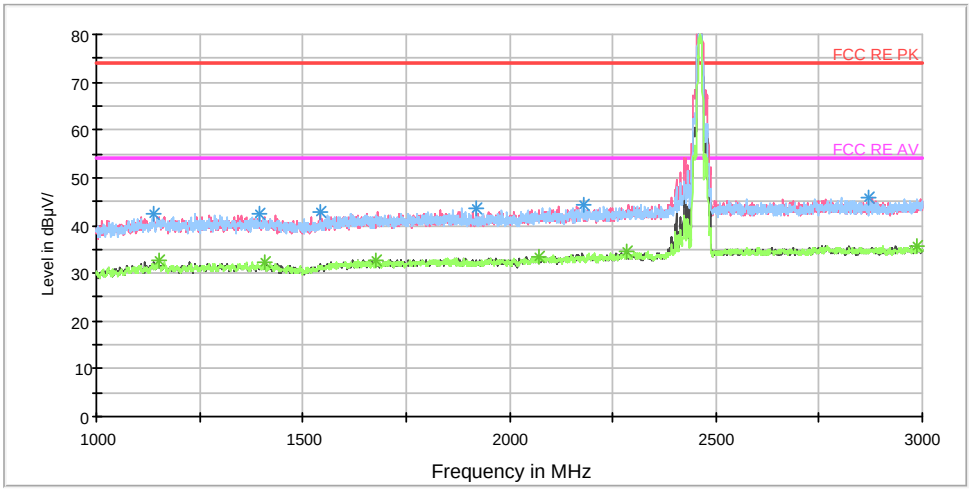
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
34.118750	10.4	100.0	V	292.0	22.3	11.9	29.6	40.0
52.506250	12.7	100.0	V	255.0	25.6	12.9	27.3	40.0
61.286250	8.7	100.0	V	22.0	20.7	12.0	31.3	40.0
102.265000	9.8	114.0	H	12.0	22.8	13.0	33.7	43.5
185.690000	9.4	100.0	V	81.0	20.6	11.2	34.1	43.5
945.605000	25.0	114.0	H	15.0	51.0	26.0	21.0	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



Note: The signal beyond the limit is carrier.

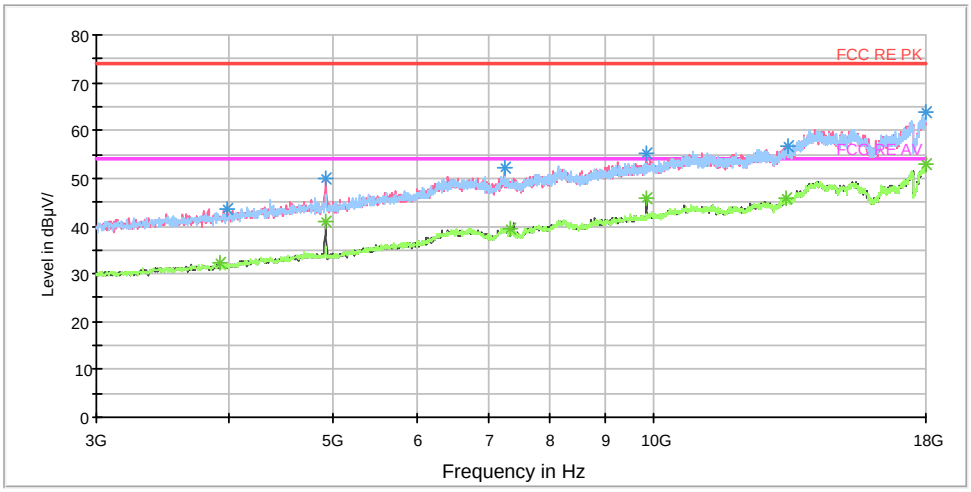
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1137.000000	42.4	100.0	H	12.0	43.3	-0.9	31.6	74
1394.000000	42.3	100.0	H	5.0	42.4	0.1	31.7	74
1543.500000	42.7	100.0	V	277.0	42.9	0.2	31.3	74
1921.000000	43.5	100.0	H	151.0	45.4	1.9	30.5	74
2180.500000	44.5	100.0	H	280.0	47.8	3.3	29.5	74
2868.500000	45.9	100.0	H	6.0	51.7	5.8	28.1	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1150.000000	32.6	100.0	H	251.0	33.4	-0.8	21.4	54
1406.000000	32.3	100.0	H	175.0	32.4	0.1	21.7	54
1677.000000	32.8	100.0	H	175.0	34.0	1.2	21.2	54
2073.500000	33.4	100.0	H	1.0	36.1	2.7	20.6	54
2286.000000	34.6	100.0	V	156.0	38.5	3.9	19.4	54
2988.000000	35.8	100.0	H	43.0	41.8	6.0	18.2	54

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



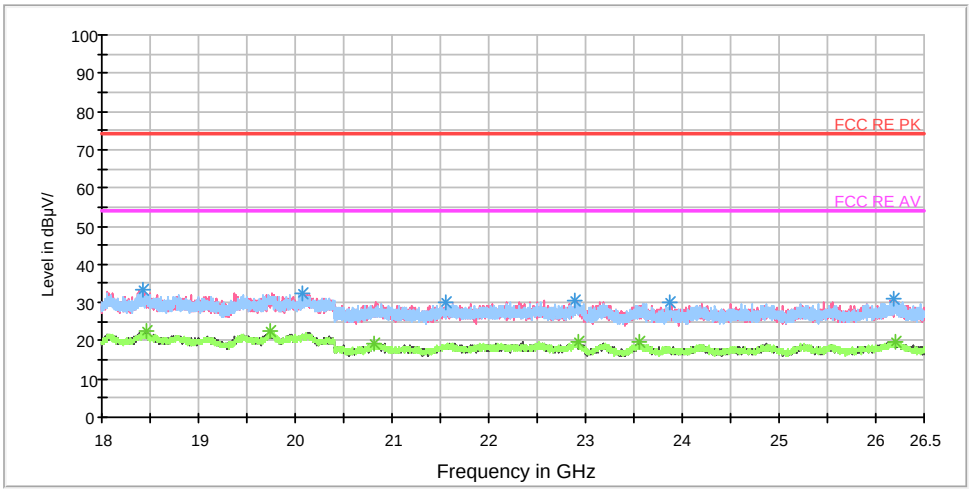
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3978.750000	43.6	100.0	V	0.0	45.7	-2.1	30.4	74
4927.500000	50.1	100.0	V	359.0	50.5	-0.4	23.9	74
7237.500000	52.2	100.0	V	235.0	57.7	5.5	21.8	74
9847.500000	55.4	100.0	V	340.0	66.6	11.2	18.6	74
13342.500000	56.7	100.0	H	89.0	74.5	17.8	17.3	74
17992.500000	63.9	100.0	H	80.0	89.7	25.8	10.1	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3922.500000	32.2	100.0	H	227.0	34.3	-2.1	21.8	54
4923.750000	41.0	100.0	V	356.0	41.5	-0.5	13.0	54
7331.250000	39.5	100.0	H	116.0	45.2	5.7	14.5	54
9847.500000	45.8	100.0	V	340.0	57.0	11.2	8.2	54
13305.000000	45.8	100.0	H	62.0	63.5	17.7	8.2	54
18000.000000	52.8	100.0	H	89.0	78.7	25.9	1.2	54

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



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)
18423.937500	33.4	H	0.0	36.9	-3.5	40.6	74
20080.375000	32.6	H	0.0	37.5	-4.9	41.4	74
21564.687500	30.2	V	0.0	35.5	-5.3	43.8	74
22897.062500	30.7	H	0.0	35.2	-4.5	43.3	74
23871.375000	30.1	H	0.0	35.6	-5.5	43.9	74
26194.000000	30.8	V	0.0	35.9	-5.1	43.2	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18461.125000	22.6	V	0.0	26.1	-3.5	31.4	54
19739.312500	22.4	H	0.0	27.1	-4.7	31.6	54
20811.375000	19.4	H	0.0	24.3	-4.9	34.6	54
22928.937500	19.7	H	0.0	24.3	-4.6	34.3	54
23562.187500	19.5	V	0.0	24.8	-5.3	34.5	54
26204.625000	19.8	V	0.0	24.9	-5.1	34.2	54

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

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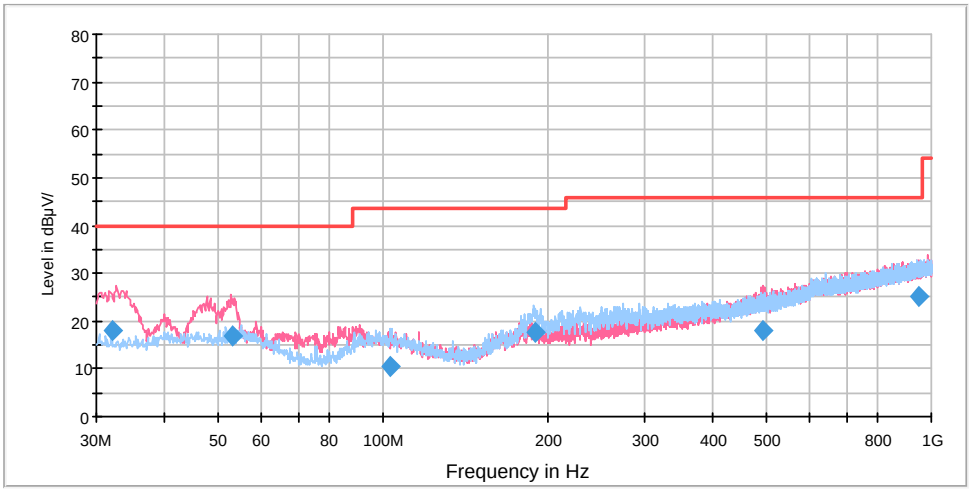


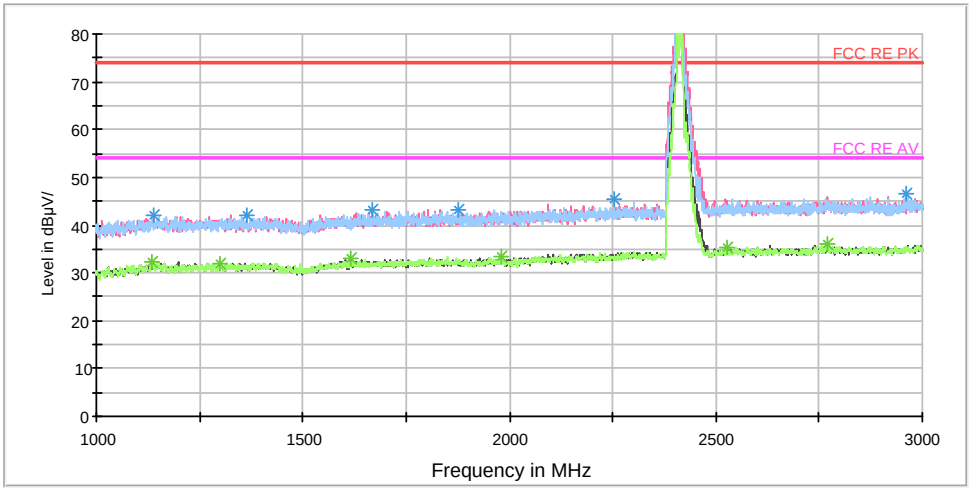
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
32.147500	18.0	100.0	V	265.0	29.9	11.9	22.0	40.0
53.286250	16.8	100.0	V	238.0	29.6	12.8	23.2	40.0
103.395000	10.5	125.0	H	150.0	23.4	12.9	33.0	43.5
188.957500	17.5	100.0	H	273.0	28.9	11.4	26.0	43.5
491.557500	18.2	113.0	V	174.0	37.9	19.7	27.8	46.0
948.265000	25.2	114.0	V	90.0	51.2	26.0	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



Note: The signal beyond the limit is carrier.

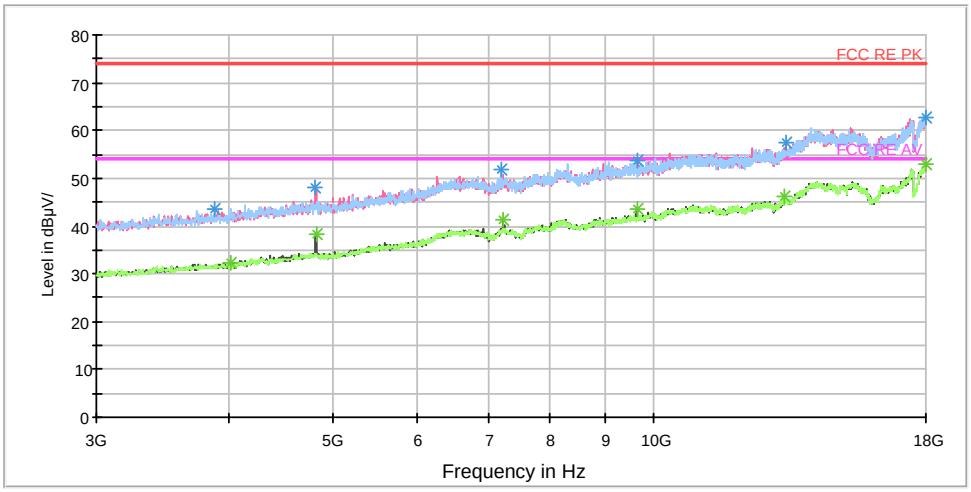
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1139.000000	42.1	100.0	V	108.0	43.0	-0.9	31.9	74
1364.500000	41.9	100.0	H	46.0	42.0	0.1	32.1	74
1667.500000	43.0	100.0	V	348.0	44.2	1.2	31.0	74
1878.500000	43.3	100.0	H	30.0	45.1	1.8	30.7	74
2253.000000	45.3	100.0	H	2.0	49.0	3.7	28.7	74
2960.500000	46.5	100.0	H	193.0	52.4	5.9	27.5	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)
1135.000000	32.4	100.0	V	215.0	33.3	-0.9	21.6	54
1301.000000	32.1	100.0	V	344.0	32.2	-0.1	21.9	54
1616.500000	33.1	100.0	V	125.0	34.2	1.1	20.9	54
1982.500000	33.4	100.0	H	24.0	35.5	2.1	20.6	54
2526.000000	35.3	100.0	V	271.0	40.4	5.1	18.7	54
2768.000000	35.9	100.0	H	24.0	41.6	5.7	18.1	54

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



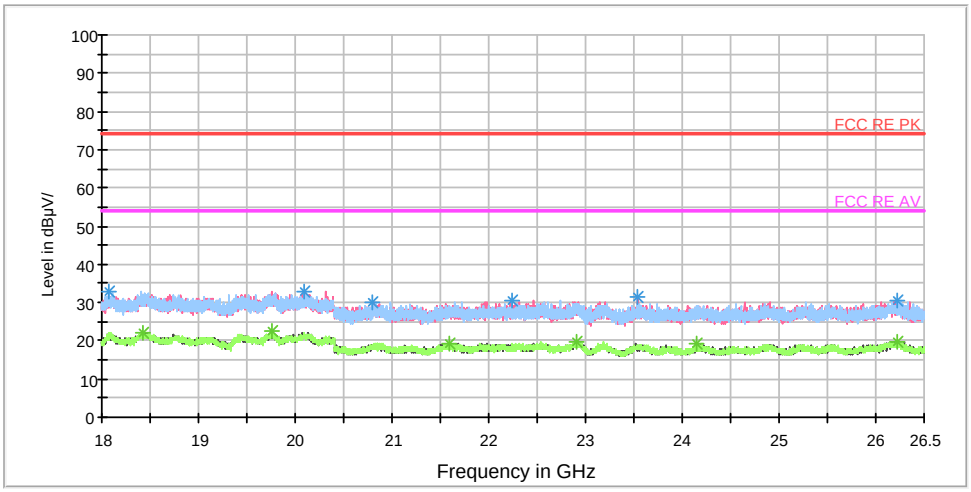
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3873.750000	43.6	100.0	H	0.0	45.8	-2.2	30.4	74
4818.750000	48.1	100.0	V	150.0	48.6	-0.5	25.9	74
7196.250000	51.8	100.0	H	108.0	57.3	5.5	22.2	74
9648.750000	53.6	100.0	V	355.0	64.5	10.9	20.4	74
13293.750000	57.6	100.0	V	339.0	75.3	17.7	16.4	74
17988.750000	62.8	100.0	V	325.0	88.5	25.7	11.2	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)
4005.000000	32.3	100.0	H	191.0	34.4	-2.1	21.7	54
4822.500000	38.3	100.0	V	355.0	38.8	-0.5	15.7	54
7230.000000	41.2	100.0	V	349.0	46.7	5.5	12.8	54
9648.750000	43.6	100.0	V	355.0	54.5	10.9	10.4	54
13278.750000	46.0	100.0	H	43.0	63.7	17.7	8.0	54
17985.000000	53.0	100.0	V	353.0	78.7	25.7	1.0	54

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



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)
18075.437500	33.1	H	0.0	36.7	-3.6	40.9	74
20084.625000	32.9	H	0.0	37.8	-4.9	41.1	74
20799.687500	30.1	H	0.0	35.0	-4.9	43.9	74
22241.500000	30.5	H	0.0	35.0	-4.5	43.5	74
23546.250000	31.4	V	0.0	36.6	-5.2	42.6	74
26231.187500	30.7	V	0.0	35.8	-5.1	43.3	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)
18418.625000	22.3	H	0.0	25.8	-3.5	31.7	54
19756.312500	22.4	H	0.0	27.1	-4.7	31.6	54
21585.937500	19.4	H	0.0	24.7	-5.3	34.6	54
22911.937500	19.6	H	0.0	24.1	-4.5	34.4	54
24141.250000	19.2	V	0.0	24.8	-5.6	34.8	54
26215.250000	19.8	V	0.0	24.8	-5.0	34.2	54

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

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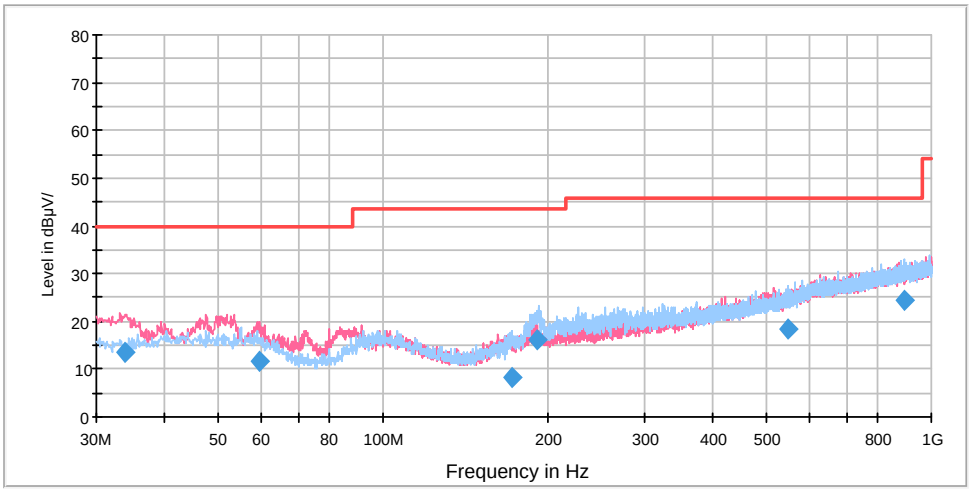


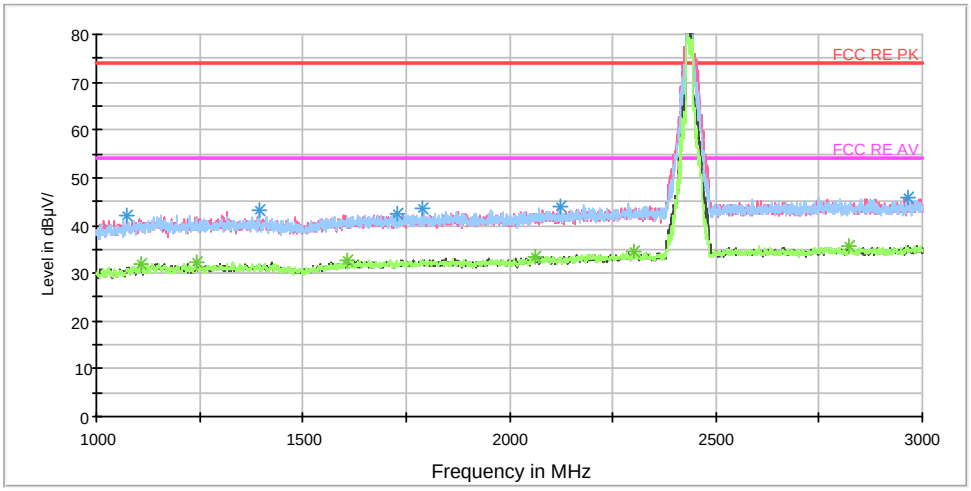
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
33.712500	13.6	100.0	V	240.0	25.5	11.9	26.4	40.0
59.578750	11.5	125.0	V	33.0	24.0	12.5	28.5	40.0
171.902500	8.2	100.0	V	0.0	18.6	10.4	35.3	43.5
191.227500	16.3	125.0	H	252.0	27.8	11.5	27.2	43.5
548.177500	18.4	125.0	H	133.0	39.4	21.0	27.6	46.0
890.146250	24.6	125.0	H	283.0	50.1	25.5	21.4	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



Note: The signal beyond the limit is carrier.

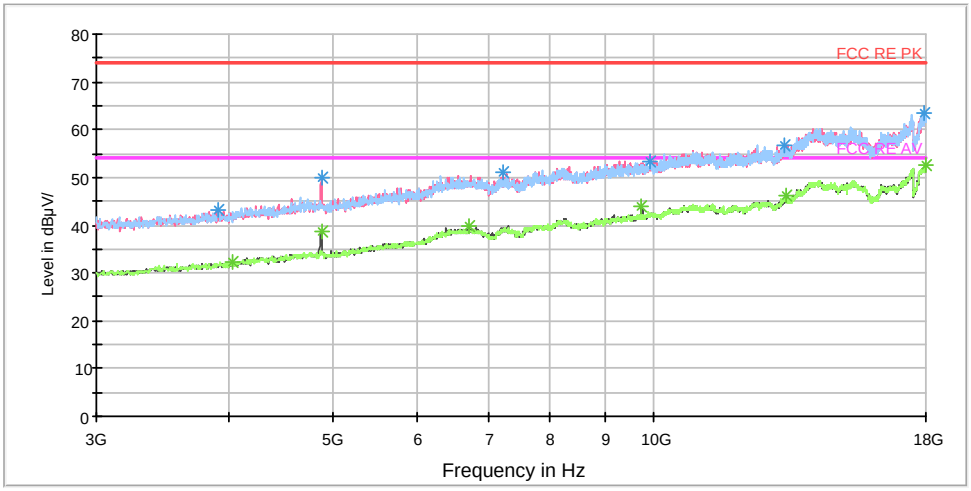
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1075.000000	42.1	100.0	H	165.0	43.4	-1.3	31.9	74
1395.500000	43.2	100.0	H	38.0	43.3	0.1	30.8	74
1728.500000	42.6	100.0	H	38.0	44.0	1.4	31.4	74
1789.500000	43.6	100.0	H	0.0	45.3	1.7	30.4	74
2124.500000	43.9	100.0	H	47.0	46.9	3.0	30.1	74
2964.000000	46.0	100.0	H	5.0	51.9	5.9	28.0	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)
1107.500000	32.0	100.0	H	72.0	33.0	-1.0	22.0	54
1241.000000	32.5	100.0	H	80.0	32.9	-0.4	21.5	54
1605.500000	32.6	100.0	H	0.0	33.7	1.1	21.4	54
2063.000000	33.3	100.0	V	299.0	35.9	2.6	20.7	54
2300.500000	34.5	100.0	V	205.0	38.5	4.0	19.5	54
2824.000000	35.8	100.0	H	0.0	41.6	5.8	18.2	54

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



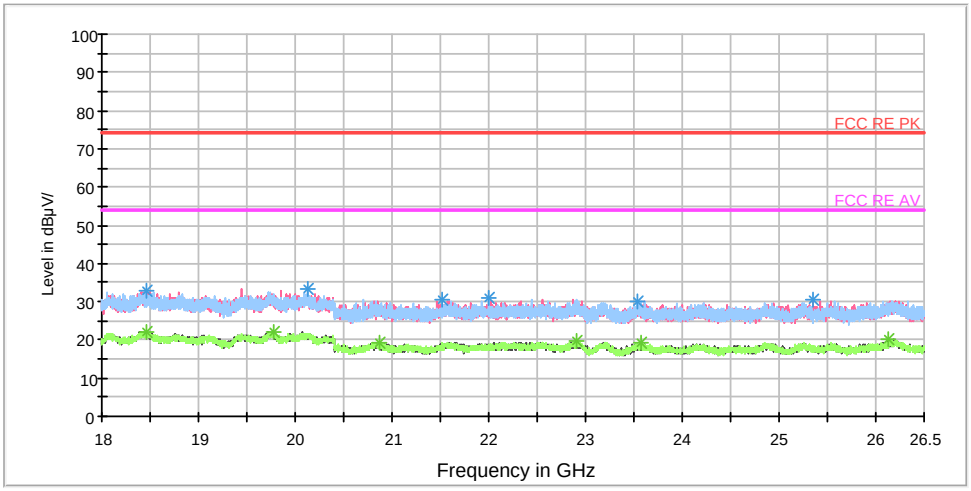
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3907.500000	43.2	100.0	V	76.0	45.4	-2.2	30.8	74
4882.500000	50.0	100.0	V	0.0	50.5	-0.5	24.0	74
7218.750000	51.1	100.0	V	37.0	56.6	5.5	22.9	74
9903.750000	53.4	100.0	H	0.0	64.8	11.4	20.6	74
13278.750000	56.8	100.0	H	143.0	74.5	17.7	17.2	74
17910.000000	63.6	100.0	V	234.0	88.3	24.7	10.4	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4031.250000	32.4	100.0	H	6.0	34.4	-2.0	21.6	54
4882.500000	38.5	100.0	V	0.0	39.0	-0.5	15.5	54
6701.250000	39.8	100.0	V	359.0	44.8	5.0	14.2	54
9742.500000	43.8	100.0	V	350.0	54.9	11.1	10.2	54
13297.500000	46.3	100.0	H	52.0	64.0	17.7	7.7	54
18000.000000	52.7	100.0	H	19.0	78.6	25.9	1.3	54

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



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)
18468.562500	32.6	V	0.0	36.0	-3.4	41.4	74
20132.437500	33.5	H	0.0	38.4	-4.9	40.5	74
21513.687500	30.6	H	0.0	36.0	-5.4	43.4	74
21991.812500	30.9	H	0.0	35.4	-4.5	43.1	74
23543.062500	30.1	H	0.0	35.3	-5.2	43.9	74
25348.250000	30.5	V	0.0	36.6	-6.1	43.5	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18466.437500	22.3	H	0.0	25.8	-3.5	31.7	54
19773.312500	22.3	V	0.0	27.0	-4.7	31.7	54
20871.937500	19.4	V	0.0	24.4	-5.0	34.6	54
22903.437500	19.5	V	0.0	24.0	-4.5	34.5	54
23568.562500	19.2	H	0.0	24.5	-5.3	34.8	54
26129.187500	20.1	V	0.0	25.3	-5.2	33.9	54

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

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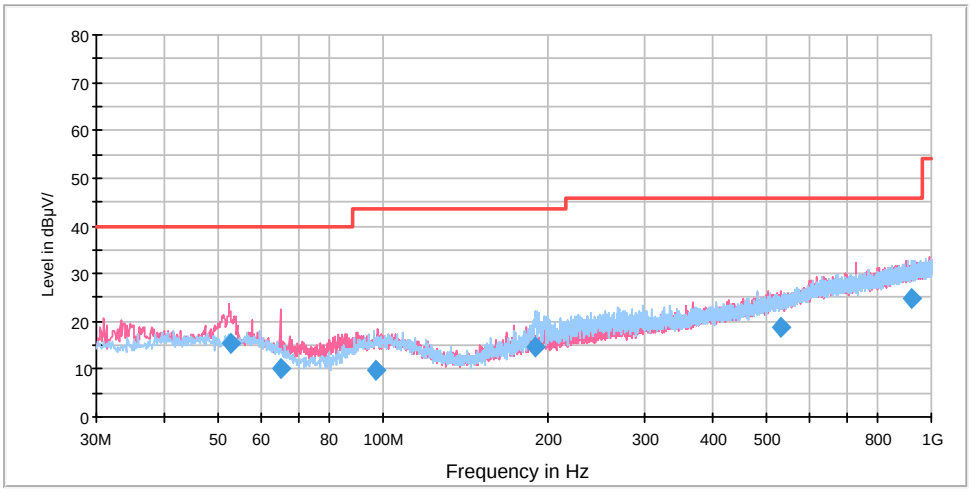


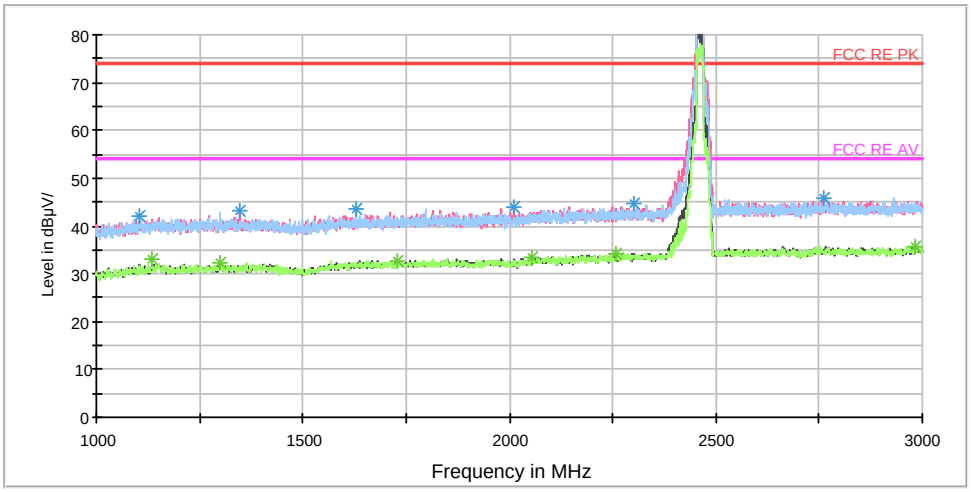
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.830000	15.4	100.0	V	96.0	28.2	12.8	24.6	40.0
65.160000	10.1	125.0	V	196.0	20.6	10.5	29.9	40.0
97.377500	9.8	100.0	V	17.0	22.7	12.9	33.7	43.5
189.200000	14.6	100.0	H	261.0	26.0	11.4	28.9	43.5
533.303750	18.6	100.0	V	47.0	39.3	20.7	27.4	46.0
921.107500	24.7	100.0	H	0.0	50.5	25.8	21.3	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



Note: The signal beyond the limit is carrier.

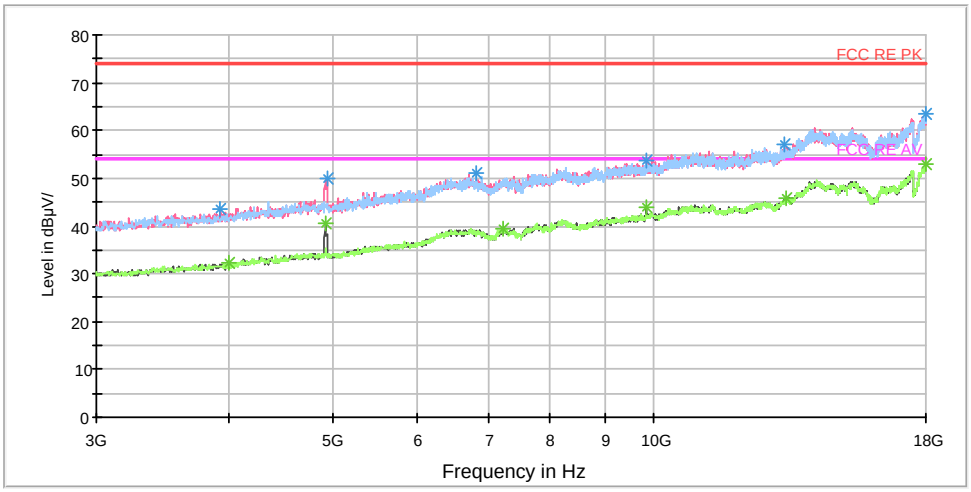
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1104.500000	42.1	100.0	H	6.0	43.1	-1.0	31.9	74
1346.500000	43.1	100.0	V	341.0	43.1	0.0	30.9	74
1629.000000	43.6	100.0	H	25.0	44.7	1.1	30.4	74
2011.000000	43.8	100.0	V	359.0	46.1	2.3	30.2	74
2300.500000	44.6	100.0	H	228.0	48.6	4.0	29.4	74
2760.000000	45.8	100.0	V	108.0	51.5	5.7	28.2	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)
1136.000000	32.9	100.0	H	305.0	33.8	-0.9	21.1	54
1299.500000	32.4	100.0	H	106.0	32.5	-0.1	21.6	54
1727.000000	32.8	100.0	V	208.0	34.2	1.4	21.2	54
2055.000000	33.3	100.0	H	80.0	35.9	2.6	20.7	54
2257.500000	34.1	100.0	V	91.0	37.8	3.7	19.9	54
2984.000000	35.8	100.0	H	4.0	41.8	6.0	18.2	54

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



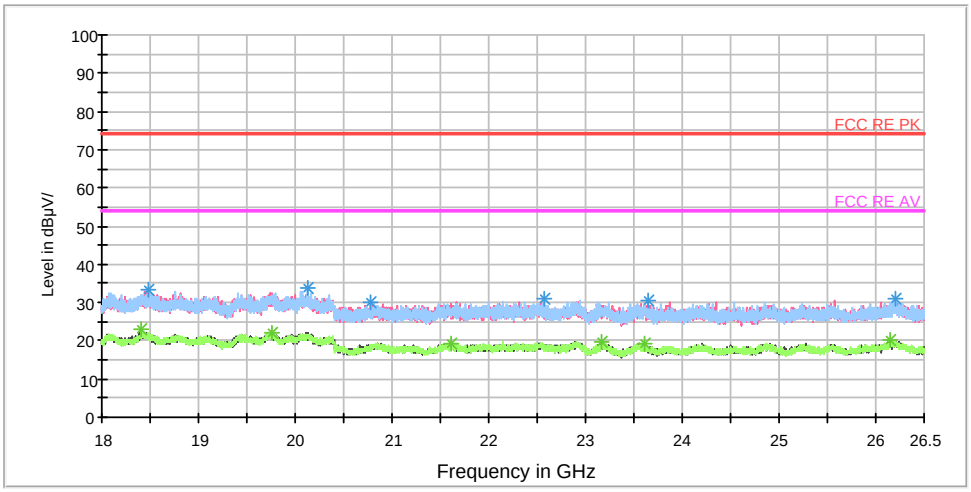
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3922.500000	43.6	100.0	V	280.0	45.7	-2.1	30.4	74
4935.000000	49.9	100.0	V	0.0	50.3	-0.4	24.1	74
6821.250000	51.1	100.0	H	135.0	56.1	5.0	22.9	74
9836.250000	53.9	100.0	V	355.0	65.1	11.2	20.1	74
13275.000000	57.0	100.0	H	266.0	74.7	17.7	17.0	74
17988.750000	63.6	100.0	V	280.0	89.3	25.7	10.4	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4001.250000	32.3	100.0	V	316.0	34.4	-2.1	21.7	54
4920.000000	40.5	100.0	V	6.0	41.0	-0.5	13.5	54
7226.250000	39.3	100.0	H	84.0	44.8	5.5	14.7	54
9840.000000	44.0	100.0	V	350.0	55.2	11.2	10.0	54
13320.000000	45.7	100.0	H	0.0	63.4	17.7	8.3	54
18000.000000	52.9	100.0	H	12.0	78.8	25.9	1.1	54

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



Radiates Emission from 18GHz to 26.5GHz

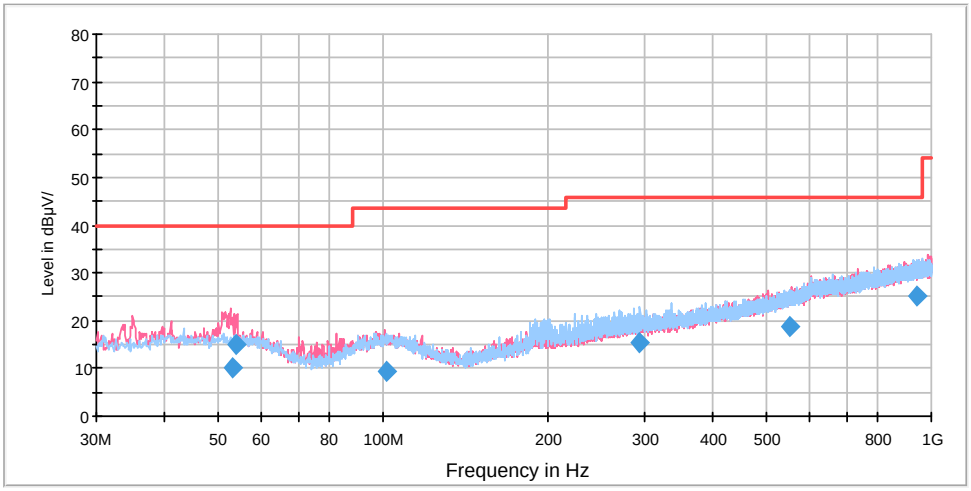
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18477.062500	33.3	H	0.0	36.7	-3.4	40.7	74
20120.750000	33.6	H	0.0	38.5	-4.9	40.4	74
20781.625000	29.9	H	0.0	34.8	-4.9	44.1	74
22567.687500	31.0	H	0.0	35.4	-4.4	43.0	74
23645.062500	30.6	V	0.0	36.0	-5.4	43.4	74
26195.062500	31.0	V	0.0	36.1	-5.1	43.0	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)
18409.062500	22.9	H	0.0	26.4	-3.5	31.1	54
19757.375000	22.3	V	0.0	27.0	-4.7	31.7	54
21609.312500	19.4	V	0.0	24.6	-5.2	34.6	54
23162.687500	19.8	V	0.0	24.7	-4.9	34.2	54
23603.625000	19.2	V	0.0	24.5	-5.3	34.8	54
26151.500000	20.1	V	0.0	25.3	-5.2	33.9	54

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

802.11n (HT20) CH1



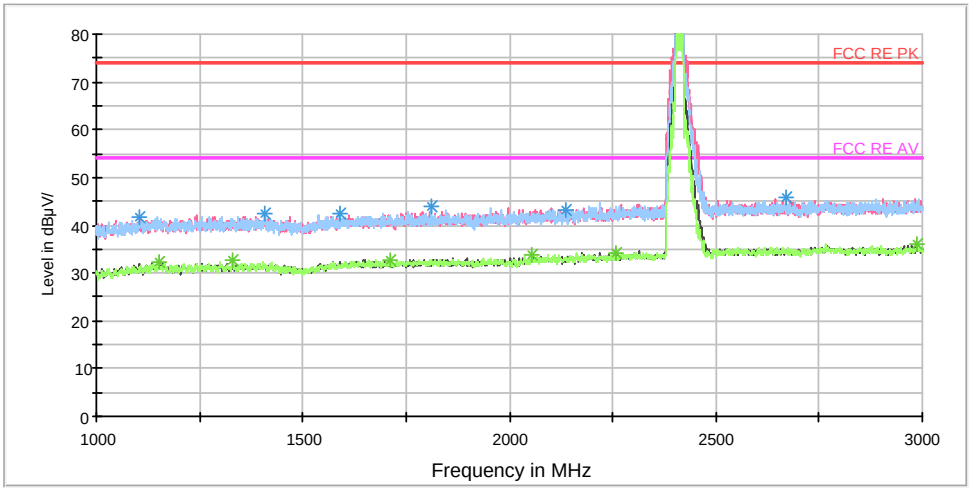
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.153750	10.3	116.0	V	237.0	23.1	12.8	29.7	40.0
53.970000	14.9	114.0	V	249.0	27.7	12.8	25.1	40.0
101.167500	9.4	100.0	V	322.0	22.5	13.1	34.1	43.5
294.405000	15.4	125.0	H	313.0	30.7	15.3	30.6	46.0
553.806250	18.6	111.0	V	50.0	39.8	21.2	27.4	46.0
943.457500	25.1	100.0	H	195.0	51.1	26.0	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



Note: The signal beyond the limit is carrier.

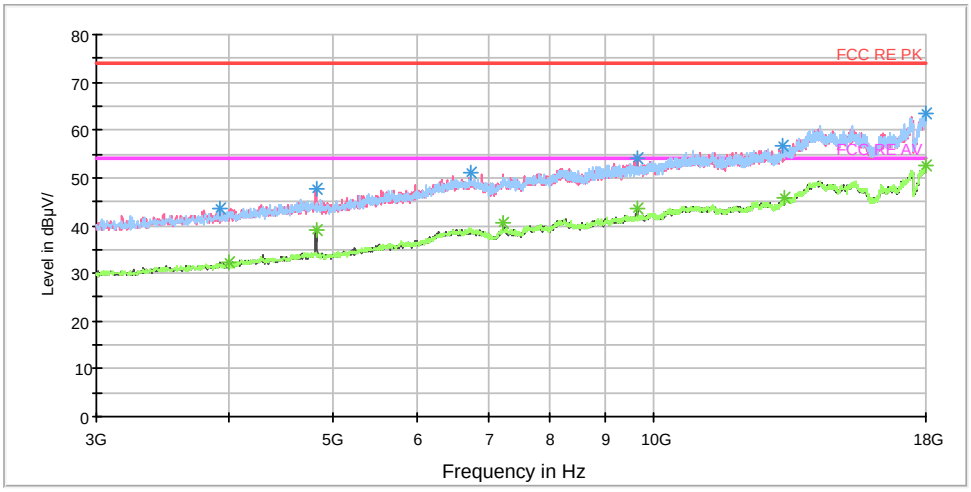
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1106.000000	41.6	100.0	V	308.0	42.6	-1.0	32.4	74
1409.500000	42.4	100.0	H	187.0	42.5	0.1	31.6	74
1589.500000	42.5	100.0	H	6.0	43.4	0.9	31.5	74
1812.500000	43.8	100.0	H	145.0	45.5	1.7	30.2	74
2137.000000	43.3	100.0	V	66.0	46.4	3.1	30.7	74
2669.500000	45.7	100.0	H	262.0	51.1	5.4	28.3	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)
1153.500000	32.2	100.0	V	0.0	33.0	-0.8	21.8	54
1330.000000	32.7	100.0	H	253.0	32.7	0.0	21.3	54
1711.000000	32.7	100.0	H	0.0	34.0	1.3	21.3	54
2055.000000	33.7	100.0	H	3.0	36.3	2.6	20.3	54
2258.500000	34.0	100.0	V	227.0	37.7	3.7	20.0	54
2988.000000	35.9	100.0	H	32.0	41.9	6.0	18.1	54

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



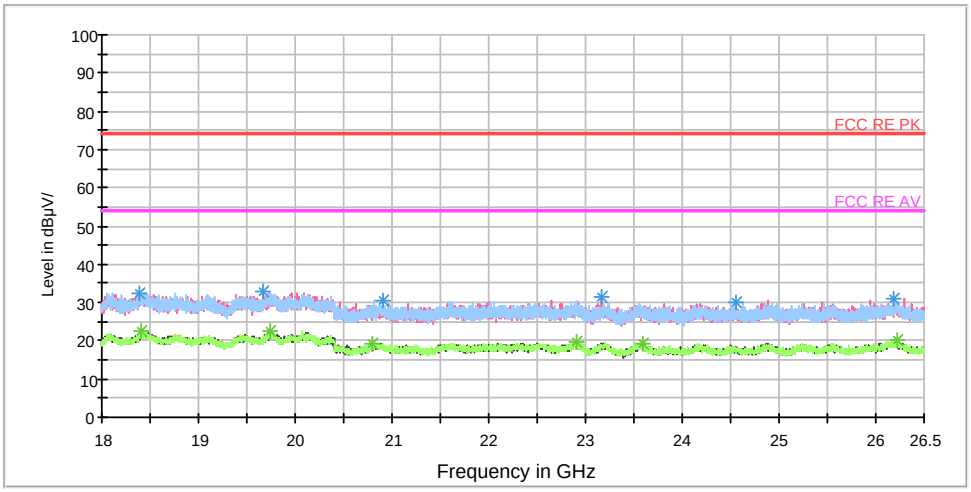
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3918.750000	43.4	100.0	H	76.0	45.5	-2.1	30.6	74
4822.500000	47.6	100.0	V	160.0	48.1	-0.5	26.4	74
6727.500000	51.3	100.0	H	104.0	56.3	5.0	22.7	74
9656.250000	54.3	100.0	V	351.0	65.2	10.9	19.7	74
13207.500000	56.7	100.0	V	0.0	74.2	17.5	17.3	74
17992.500000	63.3	100.0	H	12.0	89.1	25.8	10.7	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3997.500000	32.2	100.0	H	104.0	34.3	-2.1	21.8	54
4822.500000	39.1	100.0	V	160.0	39.6	-0.5	14.9	54
7222.500000	40.7	100.0	V	0.0	46.2	5.5	13.3	54
9652.500000	43.4	100.0	V	0.0	54.3	10.9	10.6	54
13282.500000	45.8	100.0	H	263.0	63.5	17.7	8.2	54
18000.000000	52.7	100.0	V	357.0	78.6	25.9	1.3	54

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



Radiates Emission from 18GHz to 26.5GHz

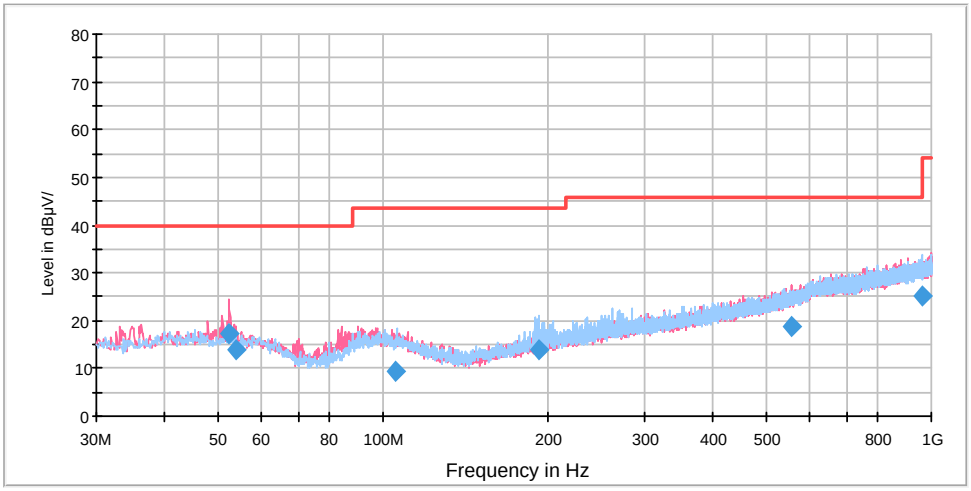
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18395.250000	32.5	H	0.0	36.0	-3.5	41.5	74
19675.562500	32.7	V	0.0	37.4	-4.7	41.3	74
20905.937500	30.3	H	0.0	35.3	-5.0	43.7	74
23174.375000	31.3	V	0.0	36.2	-4.9	42.7	74
24547.125000	29.8	H	0.0	35.6	-5.8	44.2	74
26188.687500	31.0	H	0.0	36.1	-5.1	43.0	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)
18398.437500	22.3	V	0.0	25.8	-3.5	31.7	54
19746.750000	22.7	V	0.0	27.4	-4.7	31.3	54
20803.937500	19.5	H	0.0	24.4	-4.9	34.5	54
22899.187500	19.7	V	0.0	24.2	-4.5	34.3	54
23597.250000	19.3	H	0.0	24.6	-5.3	34.7	54
26215.250000	20.0	H	0.0	25.0	-5.0	34.0	54

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

802.11n (HT20) CH6



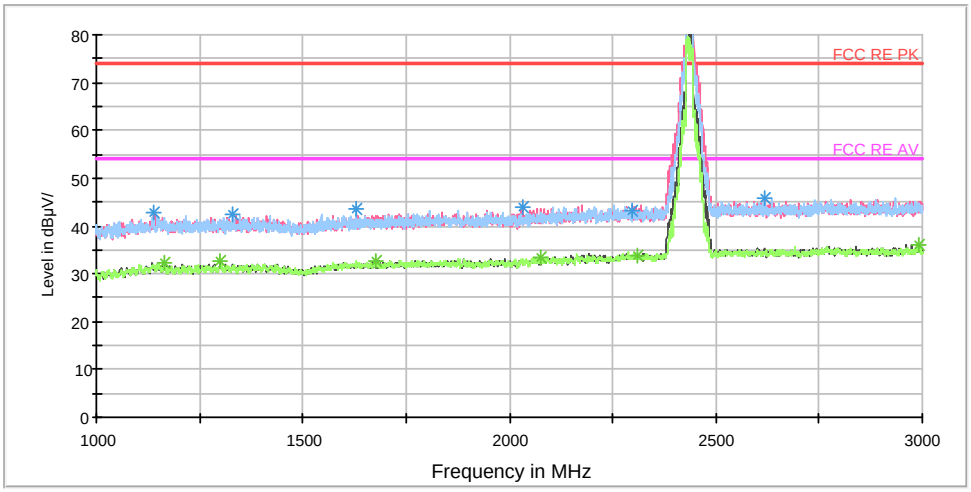
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.182500	17.7	100.0	V	253.0	30.6	12.9	22.3	40.0
53.730000	16.4	100.0	V	253.0	29.2	12.8	23.6	40.0
114.102500	8.3	125.0	V	0.0	19.9	11.6	35.2	43.5
196.437500	16.6	125.0	H	261.0	28.4	11.8	26.9	43.5
533.223750	18.2	125.0	H	335.0	38.9	20.7	27.8	46.0
945.847500	25.1	100.0	H	271.0	51.1	26.0	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



Note: The signal beyond the limit is carrier.

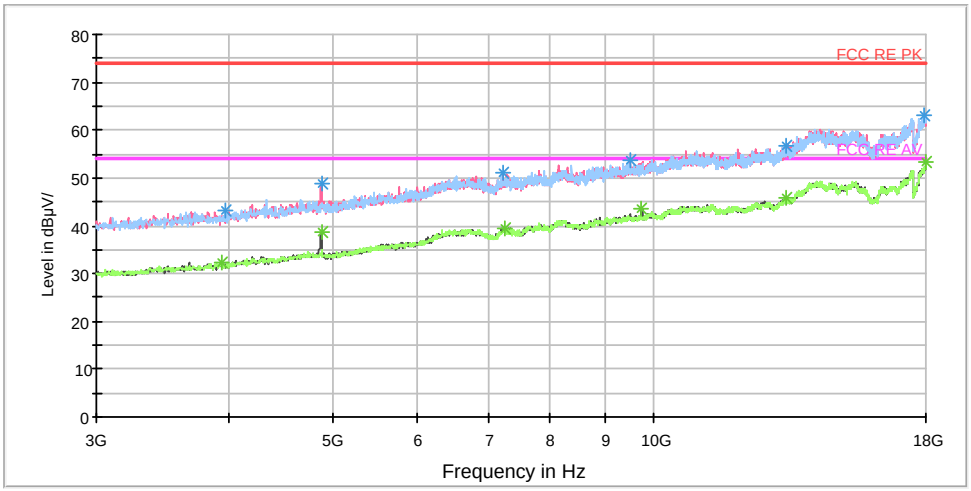
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1138.000000	42.8	100.0	V	351.0	43.7	-0.9	31.2	74
1331.500000	42.4	100.0	H	133.0	42.4	0.0	31.6	74
1630.500000	43.4	100.0	H	1.0	44.5	1.1	30.6	74
2031.000000	44.0	100.0	V	0.0	46.4	2.4	30.0	74
2298.500000	43.1	100.0	V	354.0	47.1	4.0	30.9	74
2620.000000	45.8	100.0	V	182.0	51.2	5.4	28.2	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)
1165.500000	32.2	100.0	V	0.0	33.0	-0.8	21.8	54
1300.500000	32.7	100.0	V	333.0	32.8	-0.1	21.3	54
1676.000000	32.7	100.0	H	73.0	33.9	1.2	21.3	54
2076.000000	33.6	100.0	V	339.0	36.3	2.7	20.4	54
2312.000000	33.7	100.0	H	5.0	37.7	4.0	20.3	54
2990.000000	36.0	100.0	H	0.0	42.0	6.0	18.0	54

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



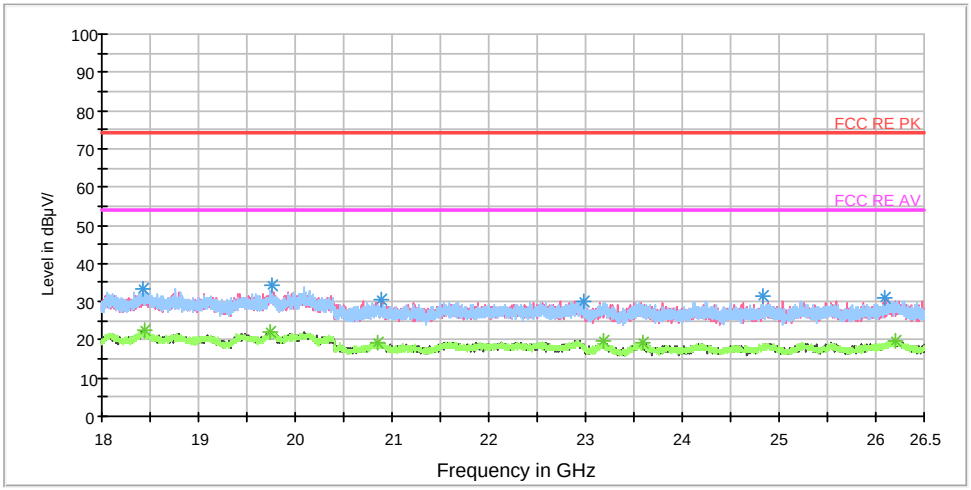
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3963.750000	43.2	100.0	H	4.0	45.3	-2.1	30.8	74
4882.500000	48.9	100.0	V	342.0	49.4	-0.5	25.1	74
7226.250000	51.2	100.0	V	351.0	56.7	5.5	22.8	74
9487.500000	53.7	100.0	V	64.0	64.0	10.3	20.3	74
13316.250000	56.5	100.0	V	158.0	74.2	17.7	17.5	74
17940.000000	63.2	100.0	V	355.0	88.3	25.1	10.8	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3933.750000	32.3	100.0	H	0.0	34.4	-2.1	21.7	54
4882.500000	38.5	100.0	V	342.0	39.0	-0.5	15.5	54
7252.500000	39.6	100.0	V	242.0	45.1	5.5	14.4	54
9746.250000	43.5	100.0	V	342.0	54.6	11.1	10.5	54
13312.500000	45.9	100.0	V	357.0	63.6	17.7	8.1	54
17985.000000	53.2	100.0	H	2.0	78.9	25.7	0.8	54

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



Radiates Emission from 18GHz to 26.5GHz

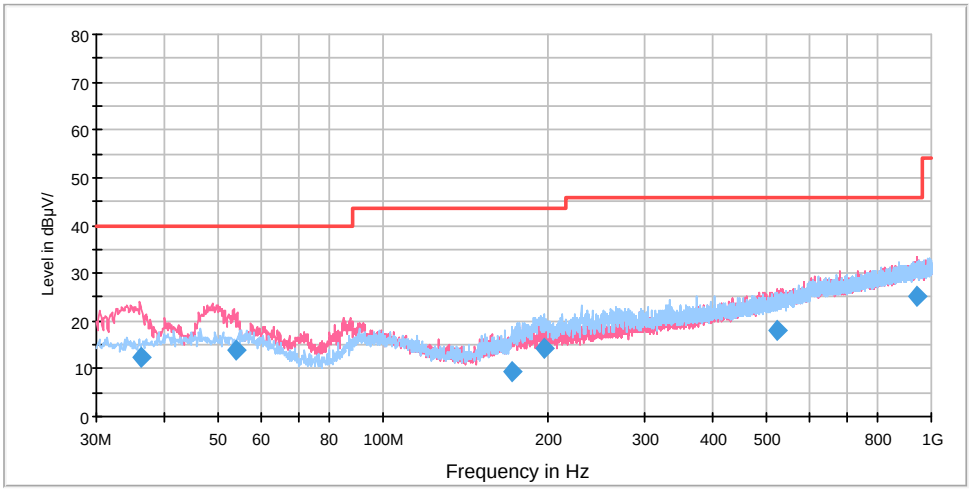
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18430.312500	33.3	V	0.0	36.8	-3.5	40.7	74
19764.812500	34.2	H	0.0	38.9	-4.7	39.8	74
20893.187500	30.6	V	0.0	35.6	-5.0	43.4	74
22987.375000	30.0	V	0.0	34.7	-4.7	44.0	74
24837.187500	31.6	V	0.0	37.4	-5.8	42.4	74
26097.312500	30.8	V	0.0	36.1	-5.3	43.2	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18447.312500	22.4	H	0.0	25.9	-3.5	31.6	54
19746.750000	22.2	H	0.0	26.9	-4.7	31.8	54
20852.812500	19.3	V	0.0	24.3	-5.0	34.7	54
23191.375000	19.6	H	0.0	24.5	-4.9	34.4	54
23588.750000	19.1	H	0.0	24.4	-5.3	34.9	54
26199.312500	19.8	H	0.0	24.9	-5.1	34.2	54

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

802.11n (HT20) CH11



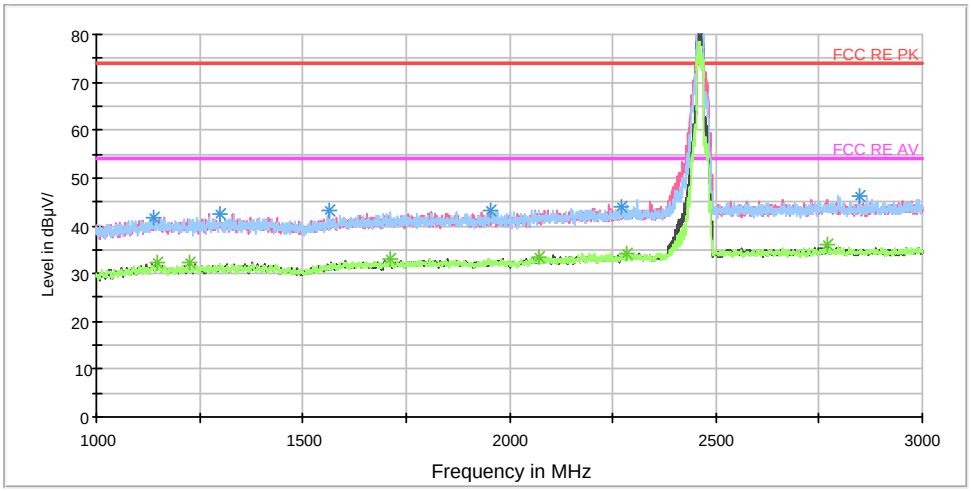
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.222500	12.3	100.0	V	264.0	24.5	12.2	27.7	40.0
53.930000	13.9	100.0	V	236.0	26.7	12.8	26.1	40.0
172.341250	9.3	125.0	H	271.0	19.7	10.4	34.2	43.5
196.760000	14.2	125.0	H	257.0	26.0	11.8	29.3	43.5
523.613750	17.8	100.0	V	208.0	38.3	20.5	28.2	46.0
943.338750	25.2	100.0	V	22.0	51.2	26.0	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



Note: The signal beyond the limit is carrier.

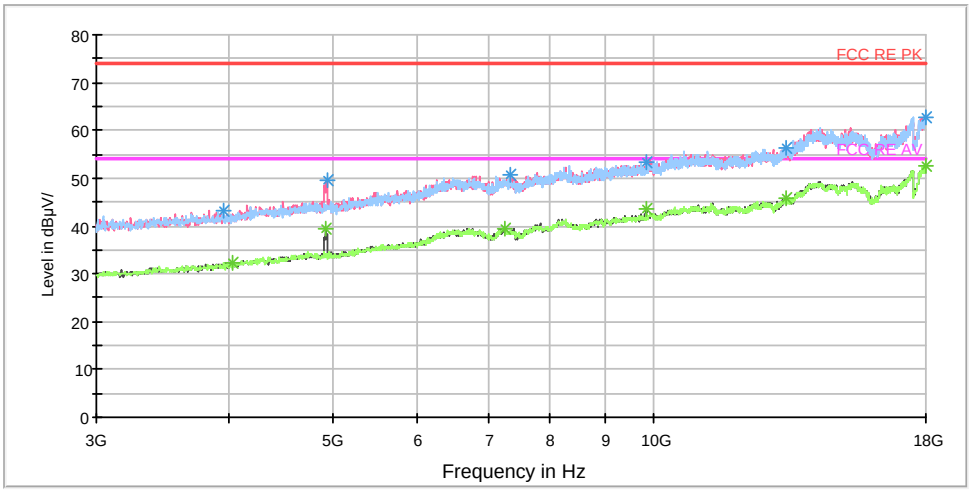
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1138.000000	41.7	100.0	V	238.0	42.6	-0.9	32.3	74
1301.000000	42.5	100.0	H	202.0	42.6	-0.1	31.5	74
1564.500000	43.1	100.0	V	181.0	43.6	0.5	30.9	74
1954.000000	43.4	100.0	V	290.0	45.4	2.0	30.6	74
2272.500000	44.0	100.0	H	160.0	47.8	3.8	30.0	74
2846.000000	46.1	100.0	V	0.0	51.9	5.8	27.9	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)
1149.000000	32.5	100.0	V	107.0	33.3	-0.8	21.5	54
1225.500000	32.4	100.0	V	124.0	32.9	-0.5	21.6	54
1709.500000	32.9	100.0	H	6.0	34.2	1.3	21.1	54
2070.500000	33.3	100.0	H	5.0	36.0	2.7	20.7	54
2283.500000	34.1	100.0	V	352.0	38.0	3.9	19.9	54
2769.500000	36.0	100.0	V	348.0	41.7	5.7	18.0	54

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



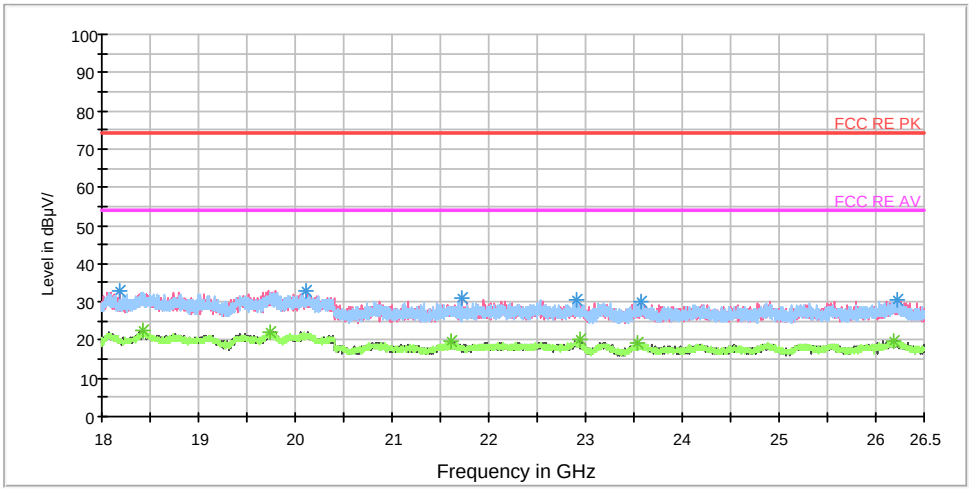
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3941.250000	43.1	100.0	H	266.0	45.2	-2.1	30.9	74
4938.750000	49.7	100.0	V	345.0	50.1	-0.4	24.3	74
7342.500000	50.6	100.0	H	172.0	56.3	5.7	23.4	74
9847.500000	53.4	100.0	V	356.0	64.6	11.2	20.6	74
13308.750000	56.5	100.0	V	243.0	74.2	17.7	17.5	74
18000.000000	62.9	100.0	V	288.0	88.8	25.9	11.1	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4023.750000	32.3	100.0	H	14.0	34.3	-2.0	21.7	54
4920.000000	39.3	100.0	V	358.0	39.8	-0.5	14.7	54
7256.250000	39.5	100.0	H	62.0	45.0	5.5	14.5	54
9847.500000	43.7	100.0	V	356.0	54.9	11.2	10.3	54
13297.500000	45.8	100.0	V	357.0	63.5	17.7	8.2	54
17996.250000	52.7	100.0	V	123.0	78.5	25.8	1.3	54

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



Radiates Emission from 18GHz to 26.5GHz

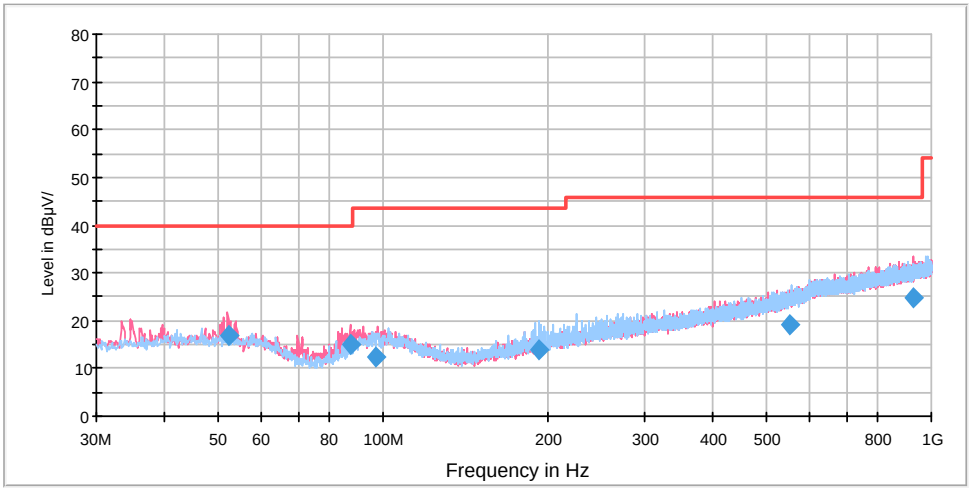
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18180.625000	32.7	V	0.0	36.3	-3.6	41.3	74
20112.250000	33.1	V	0.0	38.0	-4.9	40.9	74
21714.500000	31.0	V	0.0	36.0	-5.0	43.0	74
22914.062500	30.7	V	0.0	35.2	-4.5	43.3	74
23577.062500	30.2	V	0.0	35.5	-5.3	43.8	74
26218.437500	30.5	V	0.0	35.5	-5.0	43.5	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18432.437500	22.4	V	0.0	25.9	-3.5	31.6	54
19731.875000	22.1	H	0.0	26.8	-4.7	31.9	54
21610.375000	19.8	V	0.0	25.0	-5.2	34.2	54
22936.375000	20.2	V	0.0	24.8	-4.6	33.8	54
23534.562500	19.1	H	0.0	24.3	-5.2	34.9	54
26185.500000	19.9	V	0.0	25.0	-5.1	34.1	54

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

802.11n (HT40) CH3



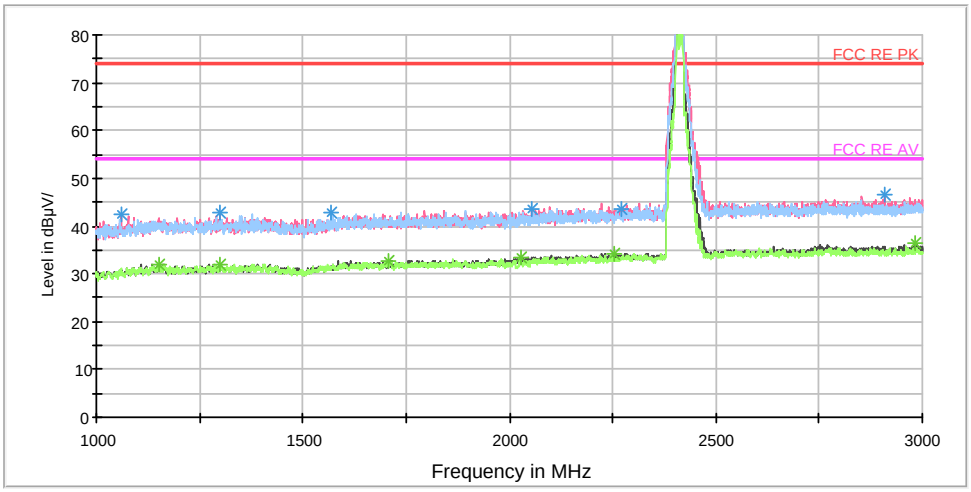
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.307500	17.0	100.0	V	208.0	29.9	12.9	23.0	40.0
87.188750	15.0	100.0	V	333.0	25.9	10.9	25.0	40.0
97.380000	12.5	100.0	V	82.0	25.4	12.9	31.0	43.5
192.473750	14.0	125.0	H	262.0	25.6	11.6	29.5	43.5
551.982500	19.1	114.0	V	0.0	40.2	21.1	26.9	46.0
929.635000	24.9	100.0	V	87.0	50.8	25.9	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



Note: The signal beyond the limit is carrier.

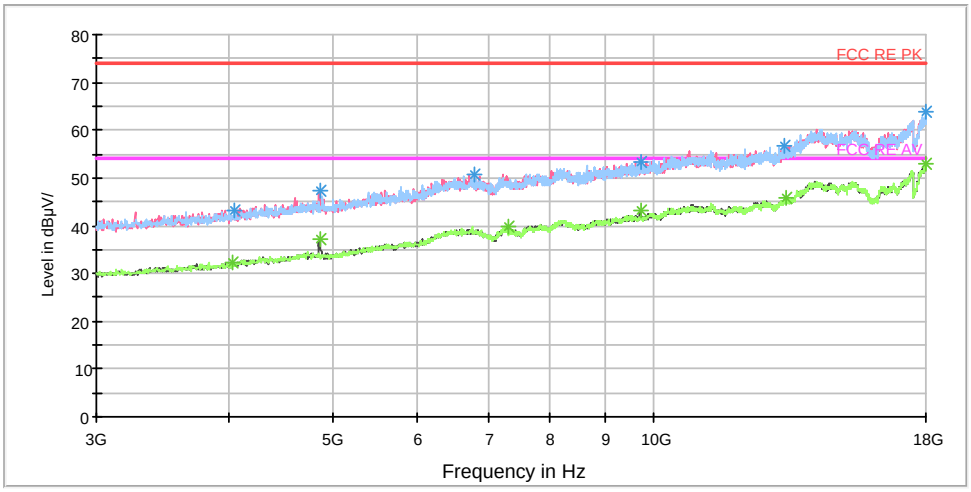
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1059.000000	42.3	100.0	V	356.0	43.9	-1.6	31.7	74
1301.000000	42.9	100.0	V	282.0	43.0	-0.1	31.1	74
1570.000000	42.7	100.0	H	179.0	43.3	0.6	31.3	74
2053.000000	43.7	100.0	V	250.0	46.3	2.6	30.3	74
2271.500000	43.6	100.0	V	140.0	47.4	3.8	30.4	74
2908.000000	46.5	100.0	V	347.0	52.3	5.8	27.5	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)
1150.000000	32.1	100.0	V	0.0	32.9	-0.8	21.9	54
1301.000000	32.1	100.0	H	0.0	32.2	-0.1	21.9	54
1706.000000	32.6	100.0	V	106.0	33.9	1.3	21.4	54
2027.500000	33.6	100.0	V	328.0	36.0	2.4	20.4	54
2252.500000	34.2	100.0	V	140.0	37.9	3.7	19.8	54
2984.000000	36.5	100.0	V	0.0	42.5	6.0	17.5	54

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



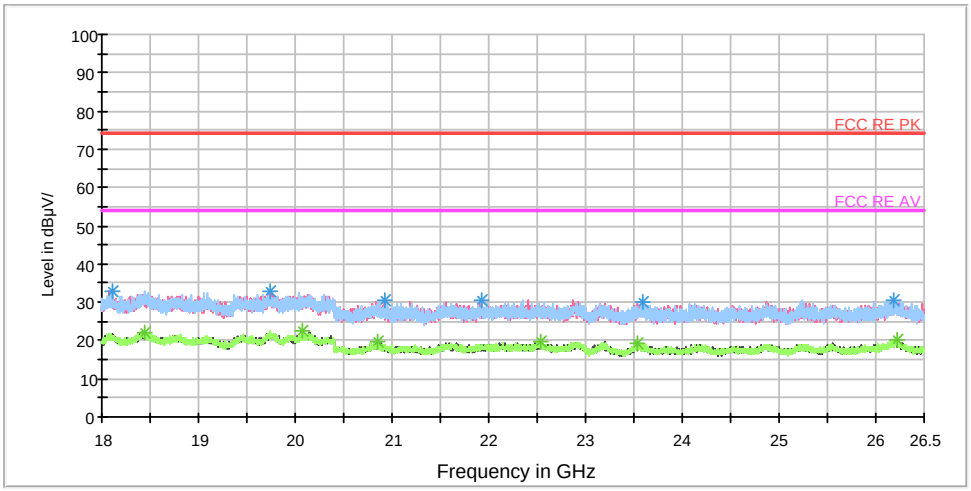
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4042.500000	43.1	100.0	H	71.0	45.0	-1.9	30.9	74
4863.750000	47.2	100.0	V	269.0	47.7	-0.5	26.8	74
6795.000000	50.8	100.0	H	14.0	55.8	5.0	23.2	74
9738.750000	53.5	100.0	V	358.0	64.6	11.1	20.5	74
13256.250000	56.9	100.0	V	0.0	74.5	17.6	17.1	74
18000.000000	63.7	100.0	V	357.0	89.6	25.9	10.3	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4027.500000	32.1	100.0	H	144.0	34.1	-2.0	21.9	54
4863.750000	37.2	100.0	V	269.0	37.7	-0.5	16.8	54
7293.750000	39.8	100.0	V	352.0	45.4	5.6	14.2	54
9731.250000	43.2	100.0	V	357.0	54.3	11.1	10.8	54
13308.750000	45.7	100.0	H	34.0	63.4	17.7	8.3	54
18000.000000	52.8	100.0	H	262.0	78.7	25.9	1.2	54

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



Radiates Emission from 18GHz to 26.5GHz

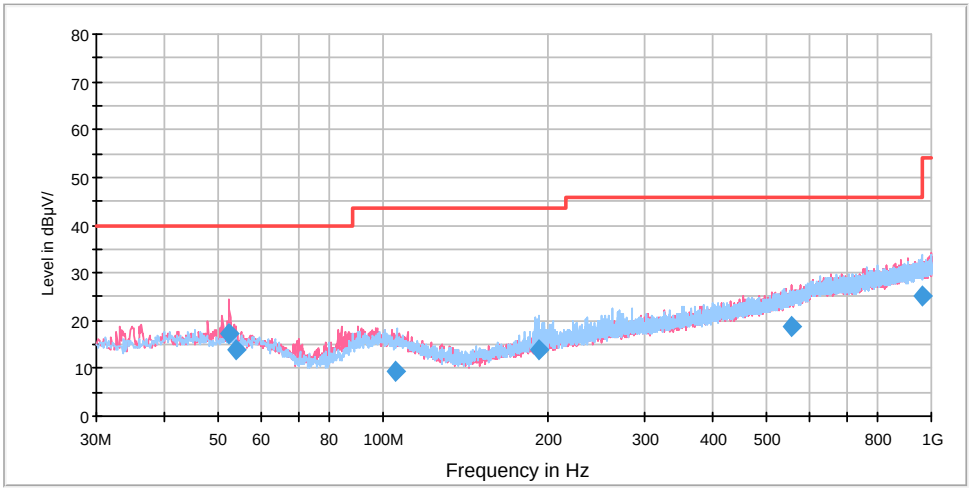
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18105.187500	32.8	H	0.0	36.4	-3.6	41.2	74
19731.875000	32.9	H	0.0	37.6	-4.7	41.1	74
20917.625000	30.3	V	0.0	35.3	-5.0	43.7	74
21921.687500	30.7	V	0.0	35.3	-4.6	43.3	74
23599.375000	29.8	H	0.0	35.1	-5.3	44.2	74
26189.750000	30.4	V	0.0	35.5	-5.1	43.6	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18447.312500	22.0	H	0.0	25.5	-3.5	32.0	54
20076.125000	22.6	H	0.0	27.5	-4.9	31.4	54
20854.937500	19.5	V	0.0	24.5	-5.0	34.5	54
22537.937500	19.7	H	0.0	24.1	-4.4	34.3	54
23535.625000	19.3	V	0.0	24.5	-5.2	34.7	54
26226.937500	20.0	H	0.0	25.0	-5.0	34.0	54

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

802.11n (HT40) CH6



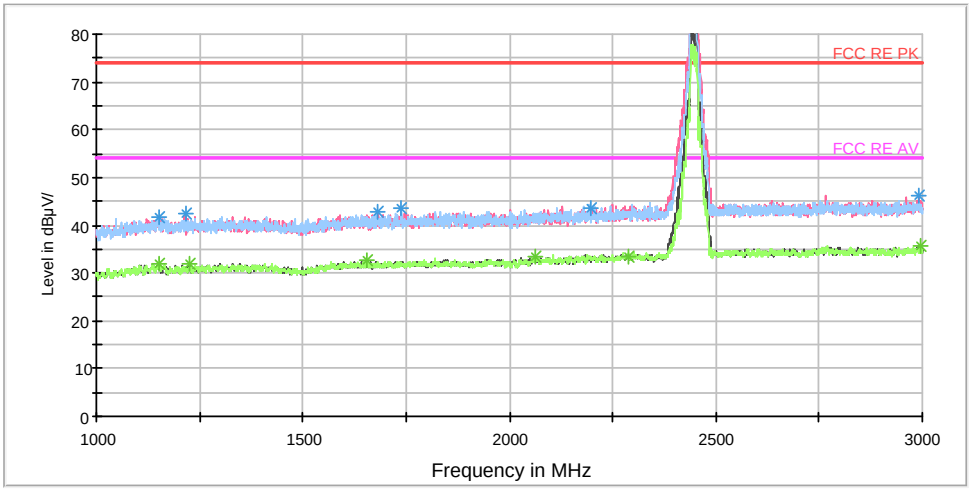
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.550000	17.1	100.0	V	240.0	30.0	12.9	22.9	40.0
53.966250	13.7	100.0	V	183.0	26.5	12.8	26.3	40.0
105.462500	9.2	125.0	H	177.0	21.9	12.7	34.3	43.5
192.676250	13.8	125.0	H	50.0	25.4	11.6	29.7	43.5
554.565000	18.7	100.0	V	338.0	39.9	21.2	27.3	46.0
959.982500	25.3	100.0	H	62.0	51.4	26.1	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



Note: The signal beyond the limit is carrier.

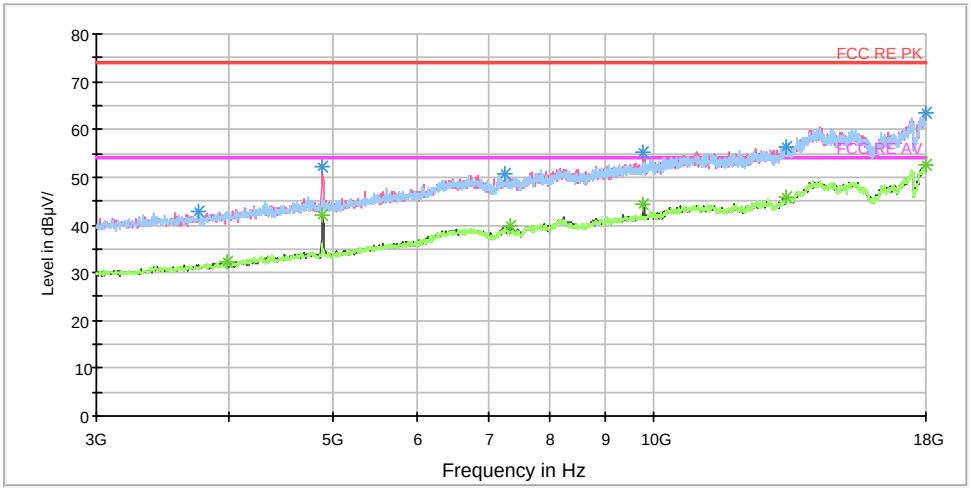
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1152.000000	41.6	100.0	H	0.0	42.4	-0.8	32.4	74
1216.000000	42.3	100.0	V	124.0	42.9	-0.6	31.7	74
1683.000000	42.7	100.0	V	344.0	43.9	1.2	31.3	74
1739.500000	43.5	100.0	H	94.0	45.0	1.5	30.5	74
2199.500000	43.4	100.0	V	174.0	46.8	3.4	30.6	74
2992.000000	46.2	100.0	V	182.0	52.2	6.0	27.8	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)
1150.000000	31.9	100.0	V	0.0	32.7	-0.8	22.1	54
1224.000000	31.9	100.0	V	0.0	32.4	-0.5	22.1	54
1656.000000	32.7	100.0	V	82.0	33.9	1.2	21.3	54
2062.000000	33.4	100.0	V	0.0	36.0	2.6	20.6	54
2286.500000	33.6	100.0	V	230.0	37.5	3.9	20.4	54
2994.000000	35.6	100.0	V	0.0	41.6	6.0	18.4	54

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



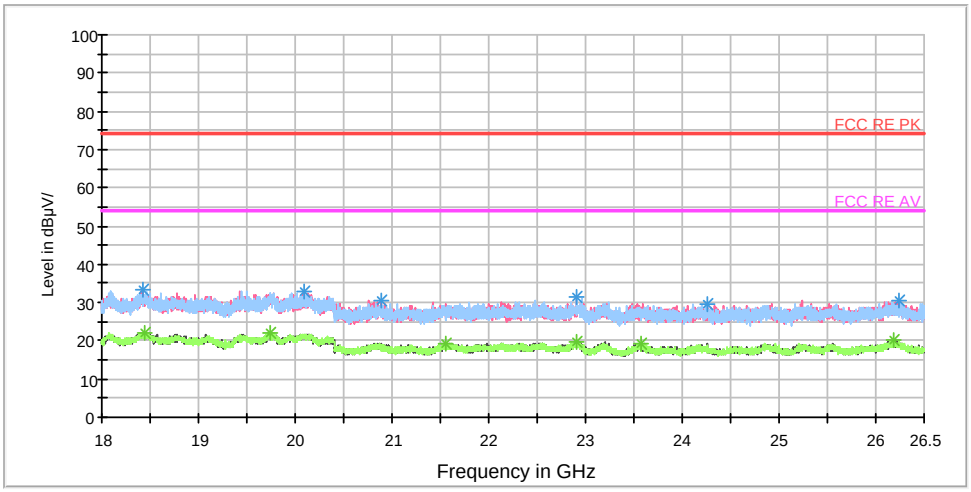
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3746.250000	43.0	100.0	H	10.0	45.5	-2.5	31.0	74
4890.000000	52.1	100.0	V	341.0	52.6	-0.5	21.9	74
7248.750000	50.6	100.0	H	337.0	56.1	5.5	23.4	74
9776.250000	55.2	100.0	V	351.0	66.2	11.0	18.8	74
13323.750000	56.4	100.0	V	96.0	74.1	17.7	17.6	74
17981.250000	63.5	100.0	H	89.0	89.1	25.6	10.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3982.500000	32.4	100.0	H	10.0	34.5	-2.1	21.6	54
4893.750000	41.9	100.0	V	351.0	42.4	-0.5	12.1	54
7338.750000	39.8	100.0	V	341.0	45.5	5.7	14.2	54
9780.000000	44.2	100.0	V	354.0	55.2	11.0	9.8	54
13316.250000	45.8	100.0	H	1.0	63.5	17.7	8.2	54
17985.000000	52.6	100.0	V	0.0	78.3	25.7	1.4	54

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



Radiates Emission from 18GHz to 26.5GHz

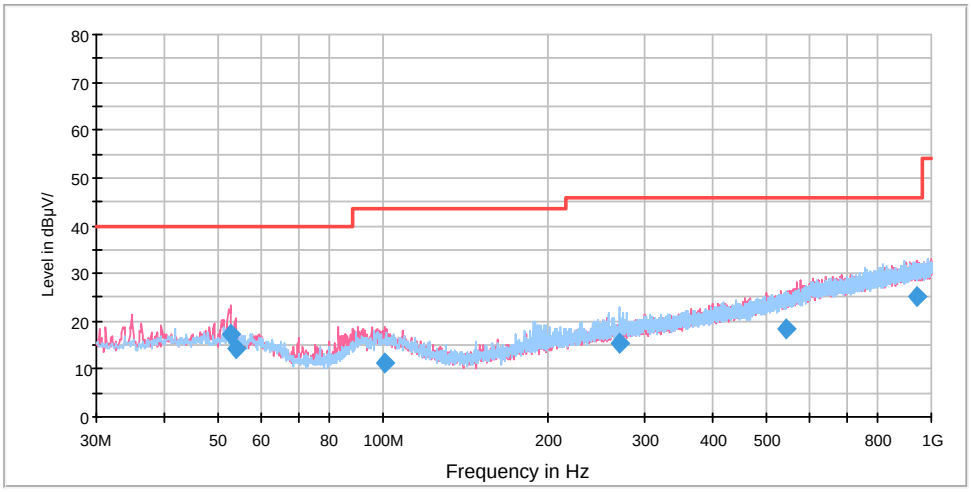
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18419.687500	33.2	V	0.0	36.7	-3.5	40.8	74
20086.750000	32.7	V	0.0	37.6	-4.9	41.3	74
20892.125000	30.6	V	0.0	35.6	-5.0	43.4	74
22900.250000	31.6	V	0.0	36.1	-4.5	42.4	74
24253.875000	29.7	H	0.0	35.3	-5.6	44.3	74
26243.937500	30.4	V	0.0	35.5	-5.1	43.6	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18444.125000	22.2	V	0.0	25.7	-3.5	31.8	54
19743.562500	22.3	V	0.0	27.0	-4.7	31.7	54
21553.000000	19.4	H	0.0	24.8	-5.4	34.6	54
22902.375000	19.7	V	0.0	24.2	-4.5	34.3	54
23567.500000	19.2	V	0.0	24.5	-5.3	34.8	54
26181.250000	20.0	V	0.0	25.1	-5.1	34.0	54

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

802.11n (HT40) CH9



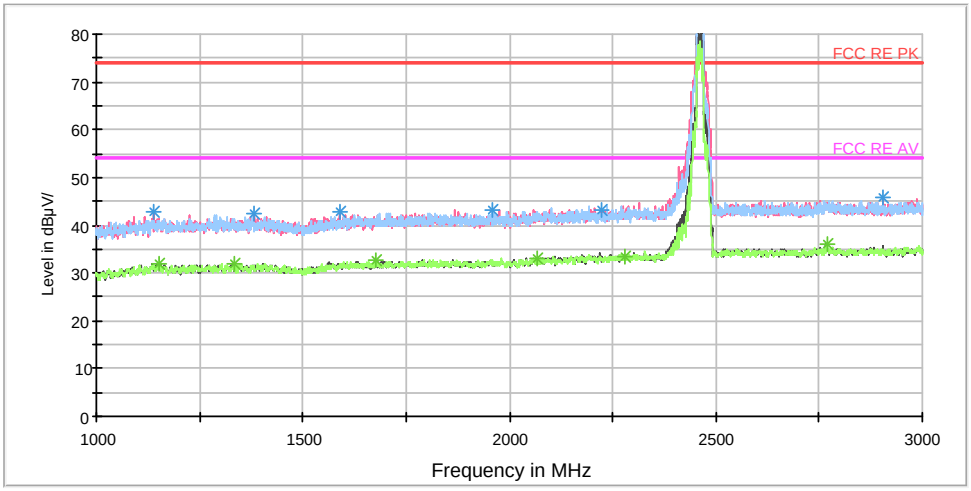
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.553750	17.2	100.0	V	233.0	30.1	12.9	22.8	40.0
53.926250	14.4	100.0	V	238.0	27.2	12.8	25.6	40.0
100.768750	11.2	100.0	V	121.0	24.4	13.2	32.3	43.5
269.831250	15.3	100.0	H	113.0	30.0	14.7	30.7	46.0
542.926250	18.3	100.0	H	276.0	39.2	20.9	27.7	46.0
939.935000	25.0	125.0	V	0.0	51.0	26.0	21.0	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



Note: The signal beyond the limit is carrier.

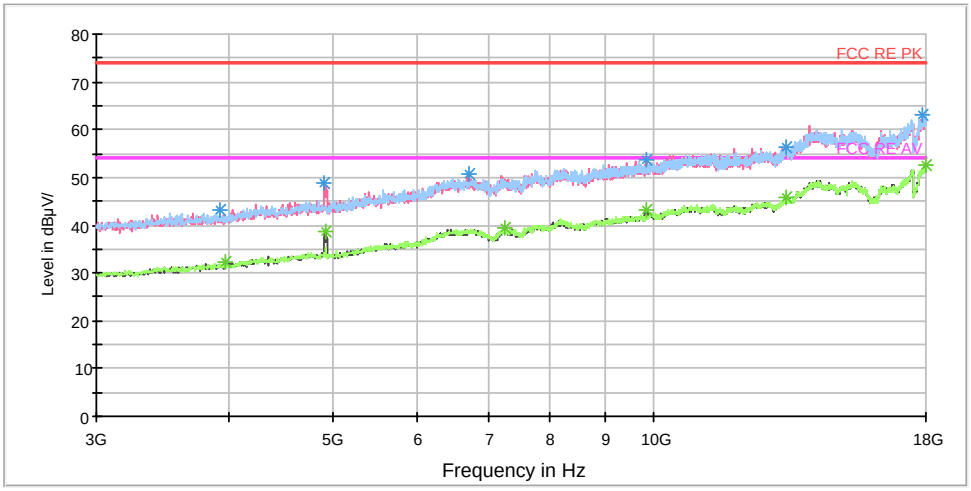
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1140.000000	42.9	100.0	V	351.0	43.8	-0.9	31.1	74
1383.500000	42.3	100.0	V	339.0	42.4	0.1	31.7	74
1588.000000	42.7	100.0	V	358.0	43.6	0.9	31.3	74
1957.500000	43.3	100.0	H	2.0	45.3	2.0	30.7	74
2224.000000	43.3	100.0	V	0.0	46.8	3.5	30.7	74
2904.500000	45.7	100.0	V	356.0	51.5	5.8	28.3	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)
1150.000000	31.9	100.0	V	354.0	32.7	-0.8	22.1	54
1333.000000	32.0	100.0	V	162.0	32.0	0.0	22.0	54
1676.000000	32.6	100.0	H	0.0	33.8	1.2	21.4	54
2066.500000	33.1	100.0	V	356.0	35.8	2.7	20.9	54
2281.500000	33.4	100.0	V	359.0	37.3	3.9	20.6	54
2771.000000	36.0	100.0	H	186.0	41.7	5.7	18.0	54

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



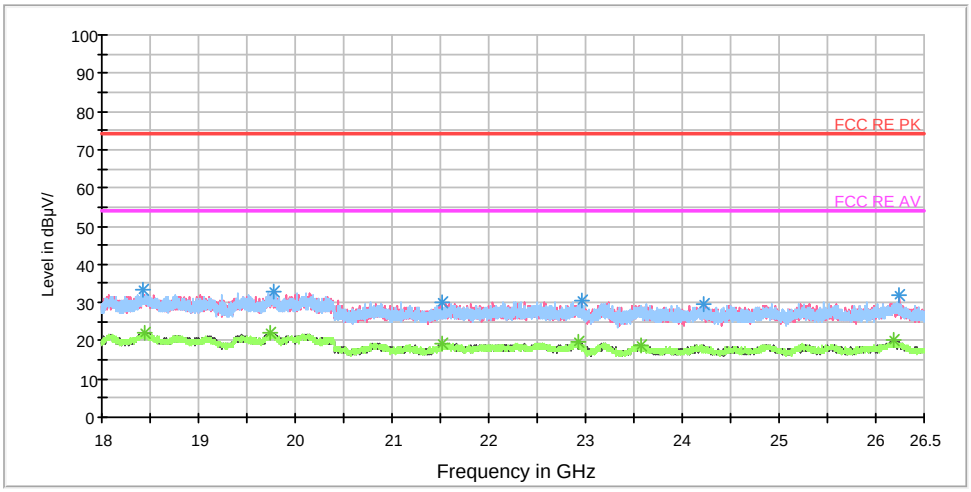
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3918.750000	43.3	100.0	H	32.0	45.4	-2.1	30.7	74
4912.500000	48.7	100.0	V	357.0	49.2	-0.5	25.3	74
6697.500000	50.8	100.0	V	191.0	55.8	5.0	23.2	74
9840.000000	53.6	100.0	V	350.0	64.8	11.2	20.4	74
13297.500000	56.5	100.0	H	68.0	74.2	17.7	17.5	74
17857.500000	63.1	100.0	H	40.0	87.1	24.0	10.9	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3967.500000	32.2	100.0	V	340.0	34.3	-2.1	21.8	54
4916.250000	38.6	100.0	V	201.0	39.1	-0.5	15.4	54
7241.250000	39.3	100.0	V	0.0	44.8	5.5	14.7	54
9843.750000	43.4	100.0	V	350.0	54.6	11.2	10.6	54
13316.250000	45.8	100.0	H	96.0	63.5	17.7	8.2	54
18000.000000	52.6	100.0	H	9.0	78.5	25.9	1.4	54

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



Radiates Emission from 18GHz to 26.5GHz

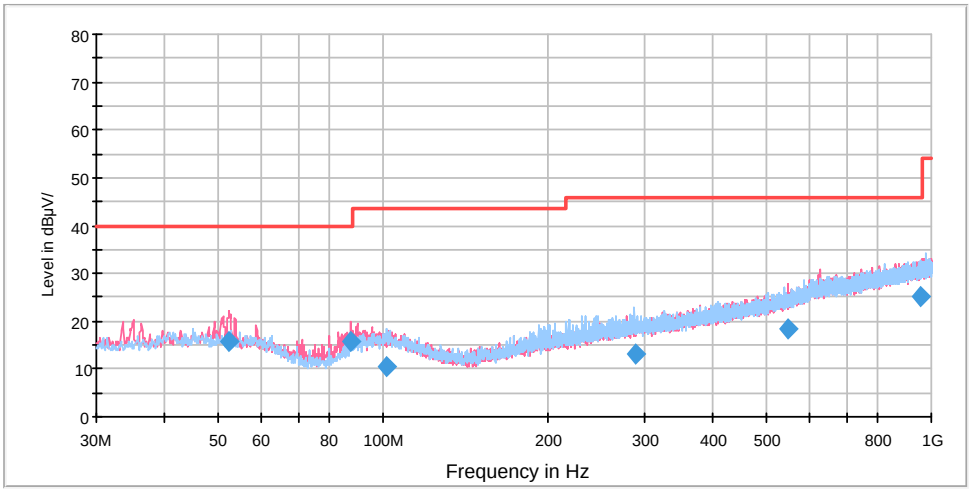
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18420.750000	33.3	H	0.0	36.8	-3.5	40.7	74
19781.812500	32.8	V	0.0	37.5	-4.7	41.2	74
21522.187500	30.1	V	0.0	35.5	-5.4	43.9	74
22959.750000	30.4	V	0.0	35.0	-4.6	43.6	74
24226.250000	29.8	H	0.0	35.4	-5.6	44.2	74
26249.250000	31.9	V	0.0	37.0	-5.1	42.1	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)
18446.250000	22.2	H	0.0	25.7	-3.5	31.8	54
19745.687500	22.2	H	0.0	26.9	-4.7	31.8	54
21509.437500	19.3	V	0.0	24.7	-5.4	34.7	54
22931.062500	19.7	H	0.0	24.3	-4.6	34.3	54
23565.375000	19.0	V	0.0	24.3	-5.3	35.0	54
26190.812500	20.0	V	0.0	25.1	-5.1	34.0	54

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

BLE-Channel 0



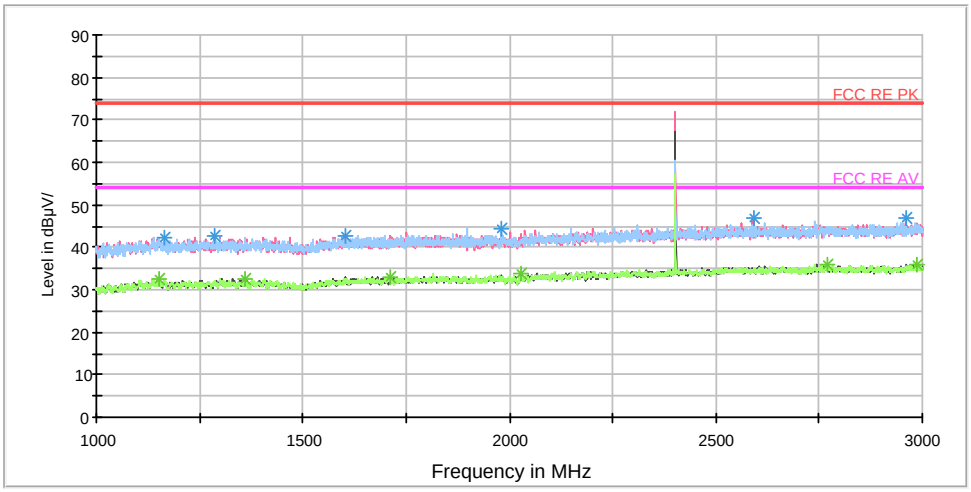
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.510000	15.8	100.0	V	340.0	28.7	12.9	24.2	40.0
87.230000	15.6	114.0	V	321.0	26.5	10.9	24.4	40.0
101.858750	10.3	125.0	H	4.0	23.4	13.1	33.2	43.5
288.337500	13.2	114.0	H	124.0	28.3	15.1	32.8	46.0
549.348750	18.5	125.0	V	356.0	39.5	21.0	27.5	46.0
958.091250	25.3	100.0	H	0.0	51.5	26.2	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



Note: The signal beyond the limit is carrier.

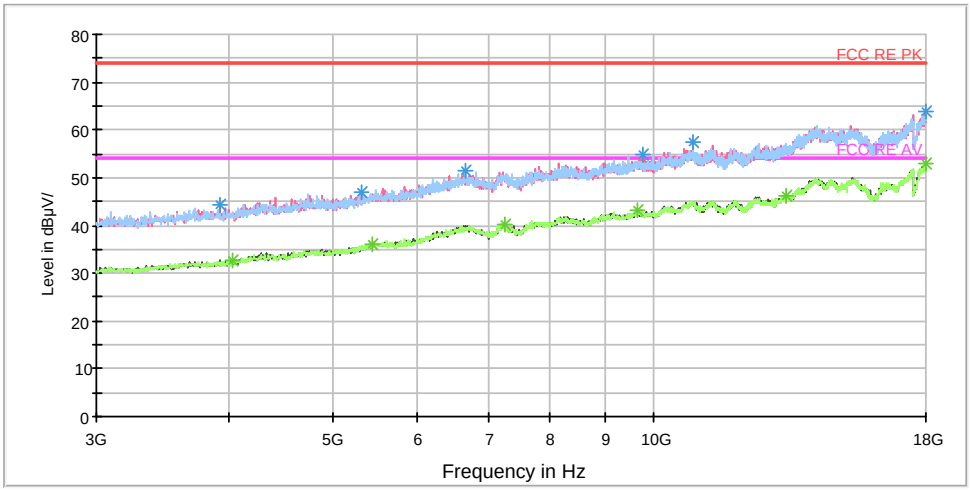
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1164.000000	42.4	100.0	H	0.0	43.2	-0.8	31.6	74
1288.000000	42.5	100.0	V	328.0	42.7	-0.2	31.5	74
1603.000000	42.7	100.0	V	359.0	43.7	1.0	31.3	74
1982.000000	44.4	100.0	H	4.0	46.5	2.1	29.6	74
2590.500000	46.7	100.0	V	286.0	52.0	5.3	27.3	74
2959.000000	46.7	100.0	V	0.0	52.6	5.9	27.3	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)
1150.000000	32.6	100.0	H	7.0	33.4	-0.8	21.4	54
1360.500000	32.5	100.0	V	193.0	32.5	0.0	21.5	54
1709.500000	33.0	100.0	V	278.0	34.3	1.3	21.0	54
2030.000000	33.8	100.0	V	133.0	36.2	2.4	20.2	54
2768.000000	36.0	100.0	V	270.0	41.7	5.7	18.0	54
2989.000000	36.0	100.0	V	328.0	42.0	6.0	18.0	54

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



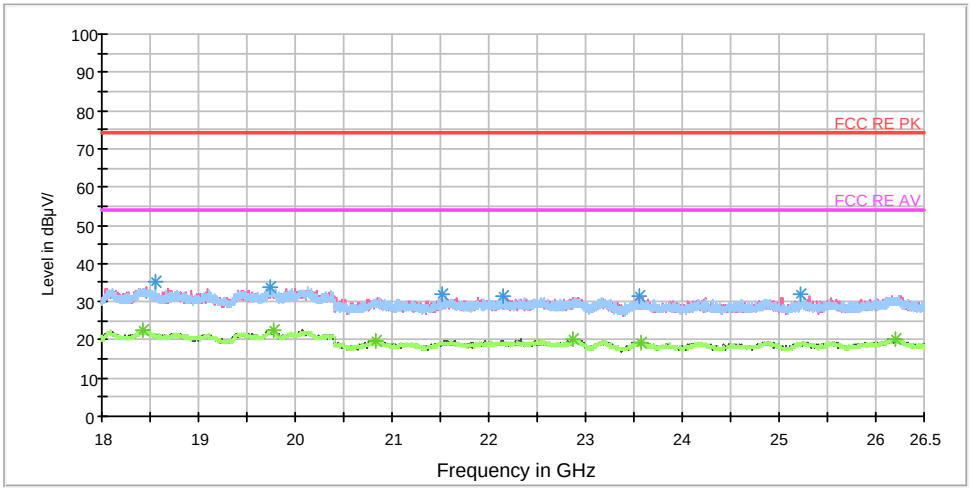
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3918.750000	44.1	100.0	V	300.0	46.2	-2.1	29.9	74
5317.500000	46.8	100.0	V	200.0	47.3	0.5	27.2	74
6652.500000	51.4	100.0	H	293.0	56.4	5.0	22.6	74
9772.500000	54.7	100.0	V	282.0	65.7	11.0	19.3	74
10882.500000	57.4	100.0	V	354.0	71.9	14.5	16.6	74
17996.250000	63.7	100.0	H	32.0	89.5	25.8	10.3	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4031.250000	32.8	100.0	H	4.0	34.8	-2.0	21.2	54
5437.500000	36.1	100.0	V	0.0	37.3	1.2	17.9	54
7256.250000	40.3	100.0	V	163.0	45.8	5.5	13.7	54
9648.750000	43.2	100.0	V	97.0	54.1	10.9	10.8	54
13297.500000	46.2	100.0	H	189.0	63.9	17.7	7.8	54
17981.250000	52.9	100.0	V	200.0	78.5	25.6	1.1	54

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



Radiates Emission from 18GHz to 26.5GHz

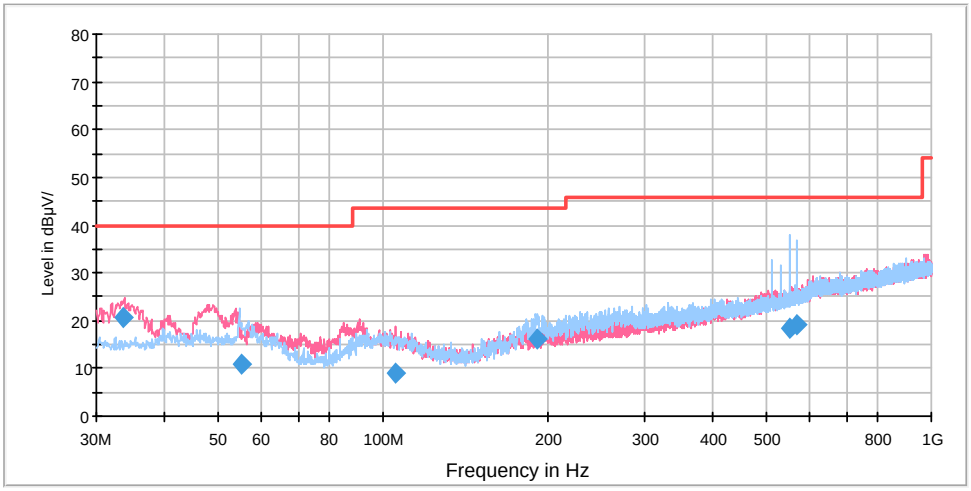
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18548.250000	35.1	H	0.0	38.6	-3.5	38.9	74
19746.750000	34.0	V	0.0	38.7	-4.7	40.0	74
21525.375000	32.0	H	5.0	37.4	-5.4	42.0	74
22149.062500	31.5	V	356.0	36.0	-4.5	42.5	74
23549.437500	31.4	V	293.0	36.6	-5.2	42.6	74
25217.562500	32.0	H	100.0	38.1	-6.1	42.0	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)
18427.125000	22.7	V	0.0	26.2	-3.5	31.3	54
19773.312500	22.6	V	0.0	27.3	-4.7	31.4	54
20842.187500	19.8	V	232.0	24.8	-5.0	34.2	54
22866.250000	20.2	H	0.0	24.7	-4.5	33.8	54
23571.750000	19.4	V	232.0	24.7	-5.3	34.6	54
26202.500000	20.4	V	306.0	25.5	-5.1	33.6	54

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

BLE-Channel 19



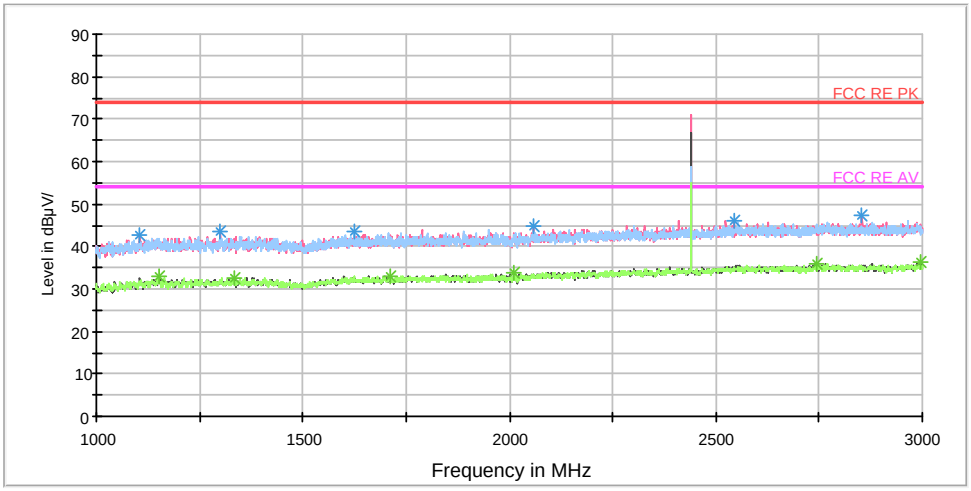
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
33.638750	20.5	100.0	V	232.0	32.4	11.9	19.5	40.0
55.295000	10.8	125.0	H	22.0	23.5	12.7	29.2	40.0
105.060000	9.1	100.0	V	293.0	21.9	12.8	34.4	43.5
190.571250	16.1	100.0	H	74.0	27.6	11.5	27.4	43.5
550.480000	18.5	100.0	H	22.0	39.5	21.0	27.5	46.0
567.700000	19.1	125.0	H	22.0	40.6	21.5	26.9	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



Note: The signal beyond the limit is carrier.

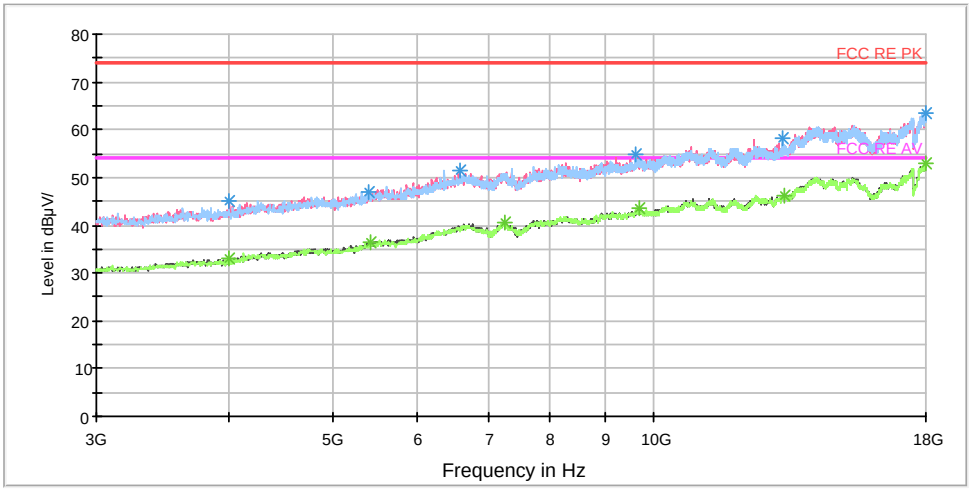
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1106.000000	42.6	100.0	V	278.0	43.6	-1.0	31.4	74
1301.500000	43.5	100.0	V	151.0	43.6	-0.1	30.5	74
1625.500000	43.7	100.0	H	187.0	44.8	1.1	30.3	74
2059.000000	44.7	100.0	V	236.0	47.3	2.6	29.3	74
2545.500000	46.2	100.0	V	0.0	51.4	5.2	27.8	74
2854.500000	47.1	100.0	V	99.0	52.9	5.8	26.9	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)
1150.000000	32.9	100.0	V	0.0	33.7	-0.8	21.1	54
1335.500000	32.5	100.0	V	116.0	32.5	0.0	21.5	54
1709.500000	32.9	100.0	V	346.0	34.2	1.3	21.1	54
2012.000000	33.7	100.0	V	313.0	36.0	2.3	20.3	54
2743.500000	36.1	100.0	H	49.0	41.7	5.6	17.9	54
2996.000000	36.2	100.0	V	116.0	42.2	6.0	17.8	54

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



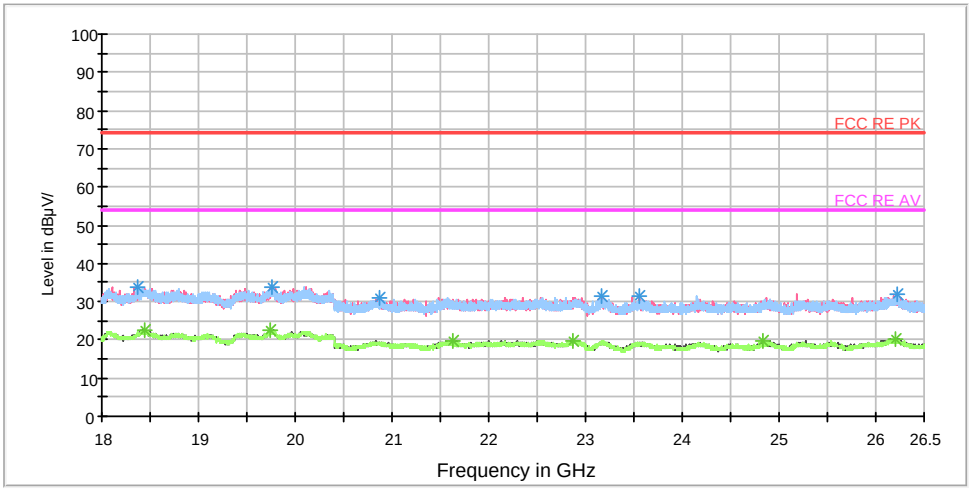
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4001.250000	45.0	100.0	V	147.0	47.1	-2.1	29.0	74
5400.000000	47.1	100.0	V	116.0	48.1	1.0	26.9	74
6588.750000	51.3	100.0	V	318.0	56.5	5.2	22.7	74
9626.250000	54.7	100.0	H	126.0	65.5	10.8	19.3	74
13226.250000	58.0	100.0	H	159.0	75.5	17.5	16.0	74
17966.250000	63.6	100.0	H	62.0	89.0	25.4	10.4	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3993.750000	33.1	100.0	H	10.0	35.2	-2.1	20.9	54
5433.750000	36.5	100.0	V	328.0	37.7	1.2	17.5	54
7241.250000	40.6	100.0	V	235.0	46.1	5.5	13.4	54
9708.750000	43.4	100.0	V	86.0	54.5	11.1	10.6	54
13267.500000	46.3	100.0	V	265.0	64.0	17.7	7.7	54
17992.500000	53.1	100.0	V	245.0	78.9	25.8	0.9	54

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



Radiates Emission from 18GHz to 26.5GHz

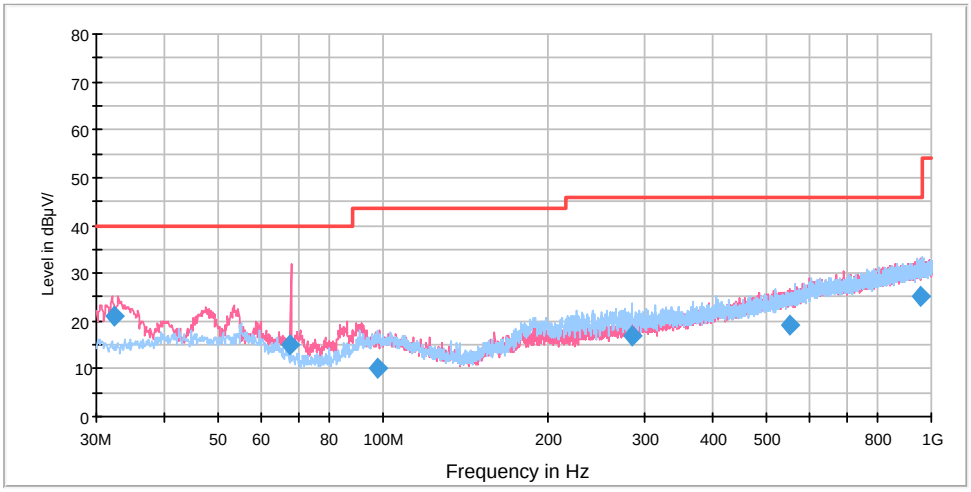
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18361.250000	33.7	H	3.0	37.2	-3.5	40.3	74
19761.625000	34.0	H	13.0	38.7	-4.7	40.0	74
20875.125000	31.2	V	77.0	36.2	-5.0	42.8	74
23165.875000	31.5	V	278.0	36.4	-4.9	42.5	74
23548.375000	31.4	V	343.0	36.6	-5.2	42.6	74
26218.437500	32.1	H	70.0	37.1	-5.0	41.9	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)
18449.437500	22.7	V	175.0	26.2	-3.5	31.3	54
19738.250000	22.5	V	358.0	27.2	-4.7	31.5	54
21636.937500	19.6	H	44.0	24.8	-5.2	34.4	54
22866.250000	19.9	H	0.0	24.4	-4.5	34.1	54
24841.437500	19.6	H	44.0	25.4	-5.8	34.4	54
26206.750000	20.2	H	130.0	25.3	-5.1	33.8	54

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

BLE-Channel 39



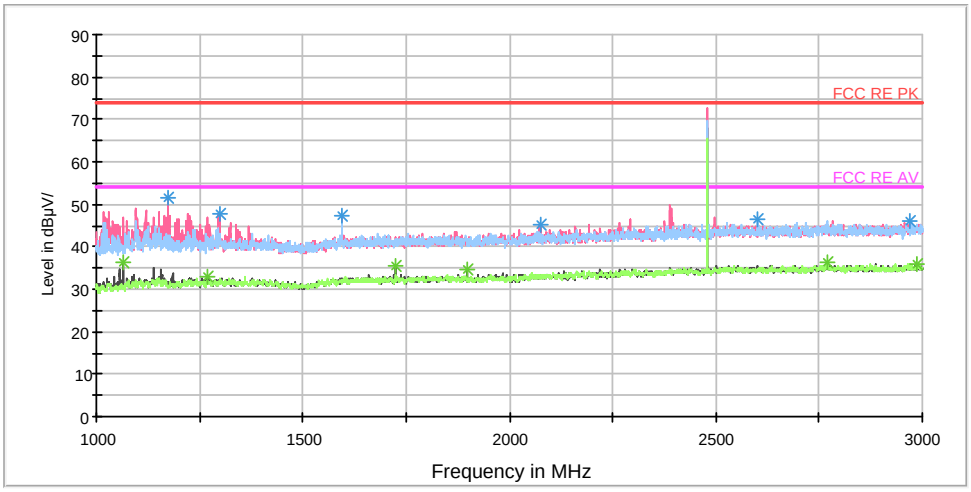
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
32.310000	21.0	100.0	V	245.0	32.9	11.9	19.0	40.0
67.511250	15.1	100.0	V	182.0	24.7	9.6	24.9	40.0
97.946250	10.0	100.0	V	69.0	22.9	12.9	33.5	43.5
284.186250	16.9	114.0	H	326.0	31.9	15.0	29.1	46.0
550.323750	19.1	114.0	V	238.0	40.1	21.0	26.9	46.0
958.902500	25.2	100.0	H	206.0	51.4	26.2	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



Note: The signal beyond the limit is carrier.

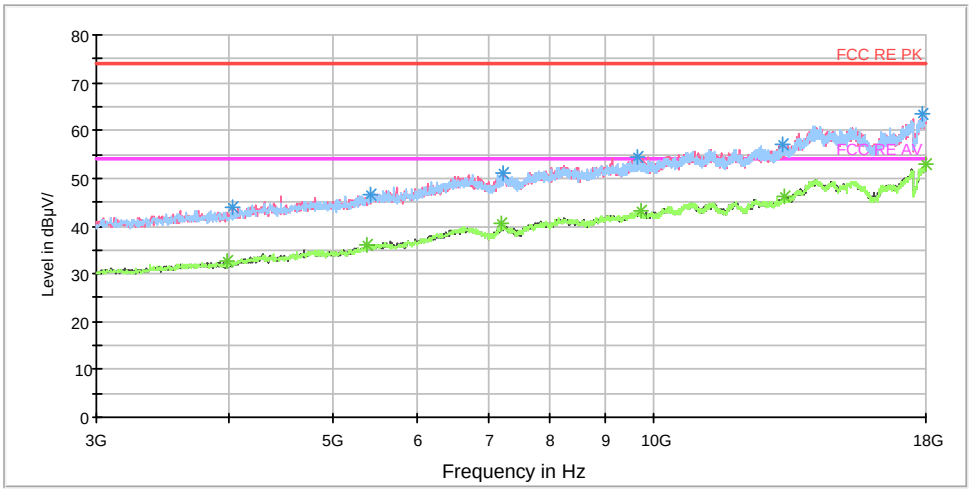
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1174.000000	51.4	100.0	V	293.0	52.2	-0.8	22.6	74
1300.000000	47.9	100.0	V	112.0	48.0	-0.1	26.1	74
1594.500000	47.3	100.0	V	268.0	48.3	1.0	26.7	74
2077.000000	45.1	100.0	V	207.0	47.8	2.7	28.9	74
2603.000000	46.6	100.0	H	152.0	52.0	5.4	27.4	74
2968.500000	46.0	100.0	V	0.0	51.9	5.9	28.0	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)
1066.500000	36.3	100.0	V	146.0	37.8	-1.5	17.7	54
1268.500000	33.0	100.0	V	293.0	33.3	-0.3	21.0	54
1725.000000	35.4	100.0	V	293.0	36.8	1.4	18.6	54
1897.500000	34.6	100.0	V	345.0	36.5	1.9	19.4	54
2768.000000	36.1	100.0	V	112.0	41.8	5.7	17.9	54
2985.000000	35.8	100.0	V	345.0	41.8	6.0	18.2	54

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



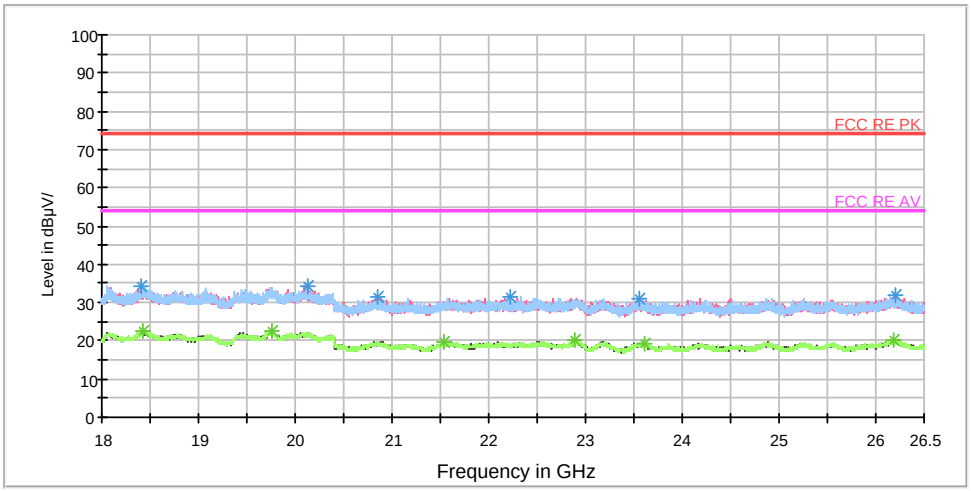
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4027.500000	44.0	100.0	V	334.0	46.0	-2.0	30.0	74
5415.000000	46.6	100.0	H	2.0	47.7	1.1	27.4	74
7233.750000	51.2	100.0	V	294.0	56.7	5.5	22.8	74
9641.250000	54.4	100.0	H	202.0	65.3	10.9	19.6	74
13203.750000	56.9	100.0	V	212.0	74.4	17.5	17.1	74
17868.750000	63.5	100.0	H	54.0	87.6	24.1	10.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3982.500000	32.7	100.0	V	231.0	34.8	-2.1	21.3	54
5377.500000	36.2	100.0	V	0.0	37.1	0.9	17.8	54
7200.000000	40.5	100.0	H	5.0	46.0	5.5	13.5	54
9727.500000	43.1	100.0	V	0.0	54.2	11.1	10.9	54
13282.500000	46.0	100.0	V	354.0	63.7	17.7	8.0	54
17996.250000	52.8	100.0	H	118.0	78.6	25.8	1.2	54

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



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)
18413.312500	34.1	V	358.0	46.0	11.9	5.9	40
20127.125000	34.3	H	210.0	43.9	9.6	5.7	40
20849.625000	31.3	V	284.0	44.2	12.9	12.2	43.5
22227.687500	31.6	H	0.0	46.6	15	14.4	46
23557.937500	30.9	H	190.0	51.9	21	15.1	46
26207.812500	31.8	V	0.0	58.0	26.2	14.2	46

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)
18429.250000	22.6	V	224.0	26.1	-3.5	31.4	54
19768.000000	22.5	V	343.0	27.2	-4.7	31.5	54
21534.937500	19.7	H	5.0	25.1	-5.4	34.3	54
22887.500000	20.0	V	156.0	24.5	-4.5	34.0	54
23603.625000	19.5	V	297.0	24.8	-5.3	34.5	54
26192.937500	20.3	V	204.0	25.4	-5.1	33.7	54

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

5.8. Conducted Emission

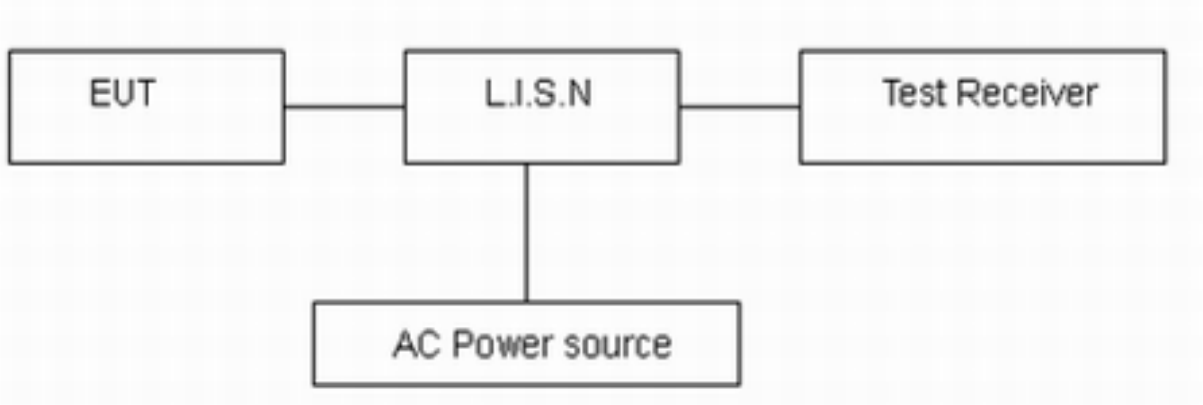
Ambient condition

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

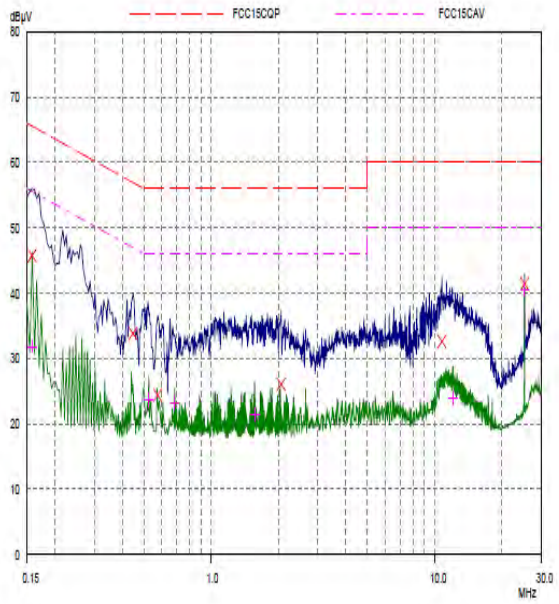
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 2.69 dB.

Test Results:

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

802.11b, Channel No.: 1

L Line

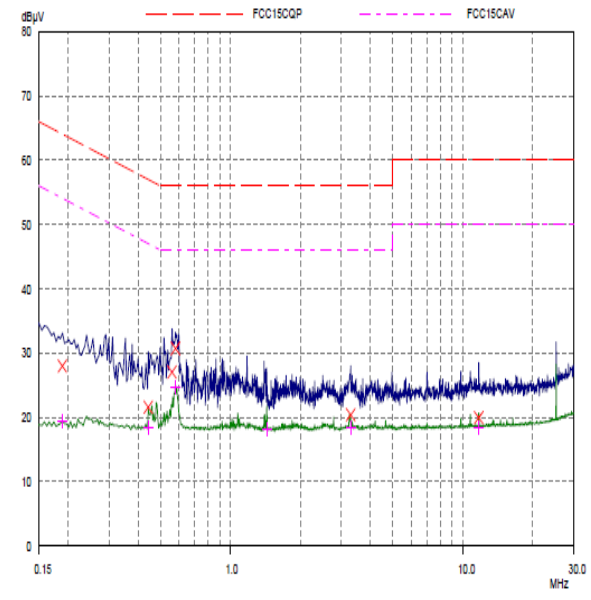


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	45.72	65.58	19.86	L1	gnd
0.44687	33.83	56.93	23.10	L1	gnd
0.57578	24.40	56.00	31.60	L1	gnd
2.05625	26.04	56.00	29.96	L1	gnd
10.76328	32.60	60.00	27.40	L1	gnd
25.22812	41.44	60.00	18.56	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	31.80	55.58	23.78	L1	gnd
0.525	23.67	46.00	22.33	L1	gnd
0.68515	23.22	46.00	22.78	L1	gnd
1.56015	21.41	46.00	24.59	L1	gnd
12.11875	23.84	50.00	26.16	L1	gnd
25.22812	40.48	50.00	9.52	L1	gnd

N Line



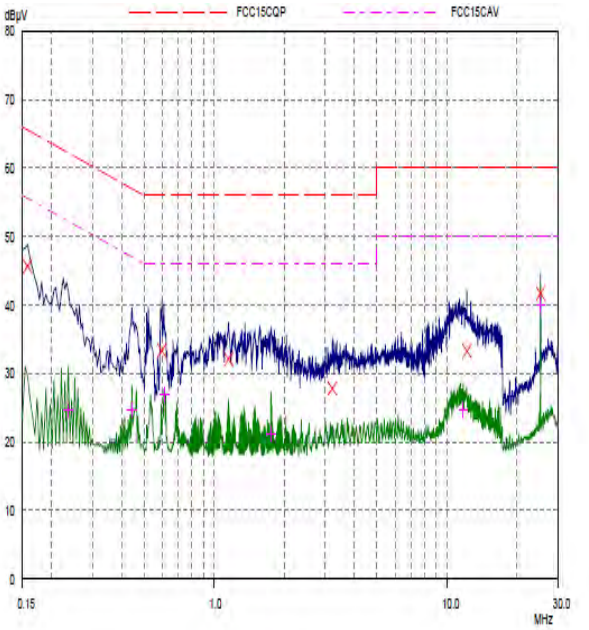
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.18906	27.99	64.08	36.09	N	gnd
0.44296	21.61	57.01	35.40	N	gnd
0.56015	27.06	56.00	28.94	N	gnd
0.57968	30.72	56.00	25.28	N	gnd
3.29062	20.38	56.00	35.62	N	gnd
11.70078	19.95	60.00	40.05	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18906	19.45	54.08	34.63	N	gnd
0.44296	18.48	47.01	28.53	N	gnd
0.57968	24.56	46.00	21.44	N	gnd
1.43125	18.14	46.00	27.86	N	gnd
3.29062	18.49	46.00	27.51	N	gnd
11.70078	18.48	50.00	31.52	N	gnd

802.11b, Channel No.: 6

L Line

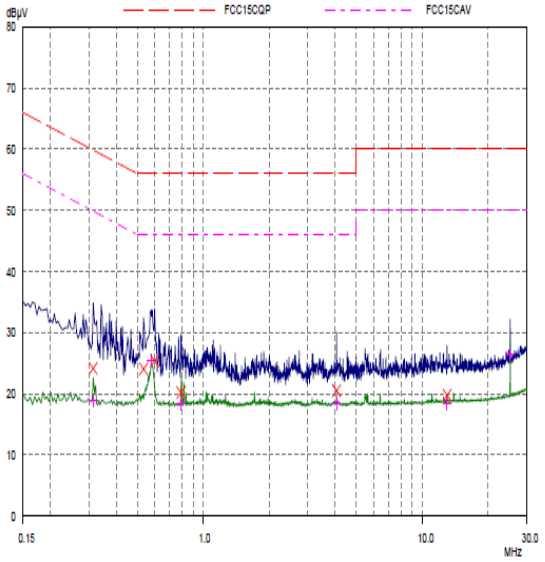


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	45.68	65.58	19.90	L1	gnd
0.59531	33.34	56.00	22.66	L1	gnd
1.15	32.08	56.00	23.92	L1	gnd
3.22031	27.80	56.00	28.20	L1	gnd
12.17734	33.25	60.00	26.75	L1	gnd
25.22812	41.70	60.00	18.30	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.23593	24.55	52.24	27.69	L1	gnd
0.44296	24.57	47.01	22.44	L1	gnd
0.61093	26.99	46.00	19.01	L1	gnd
1.75546	21.07	46.00	24.93	L1	gnd
11.75156	24.66	50.00	25.34	L1	gnd
25.23203	40.13	50.00	9.87	L1	gnd

N Line



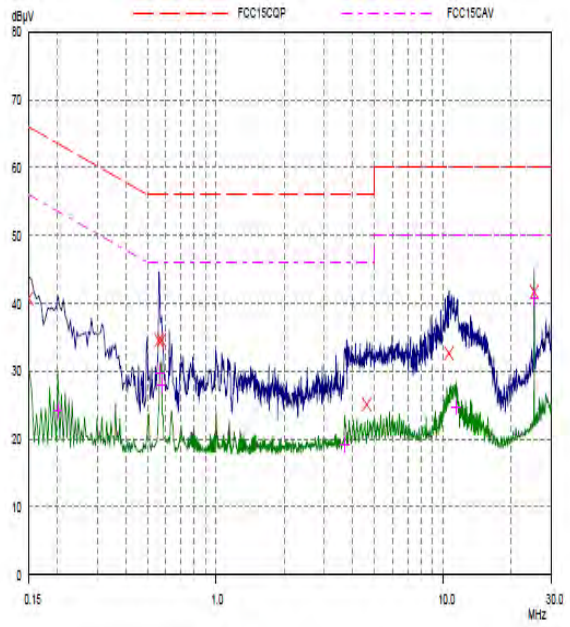
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.31406	24.15	59.86	35.71	N	gnd
0.53281	24.06	56.00	31.94	N	gnd
0.59921	25.38	56.00	30.62	N	gnd
0.79062	20.19	56.00	35.81	N	gnd
4.06015	20.48	56.00	35.52	N	gnd
12.98593	19.76	60.00	40.24	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.31406	18.95	49.86	30.91	N	gnd
0.57968	25.52	46.00	20.48	N	gnd
0.79062	18.30	46.00	27.70	N	gnd
4.06015	18.35	46.00	27.65	N	gnd
12.98593	18.45	50.00	31.55	N	gnd
25.22812	26.31	50.00	23.69	N	gnd

802.11b, Channel No.: 11

L Line

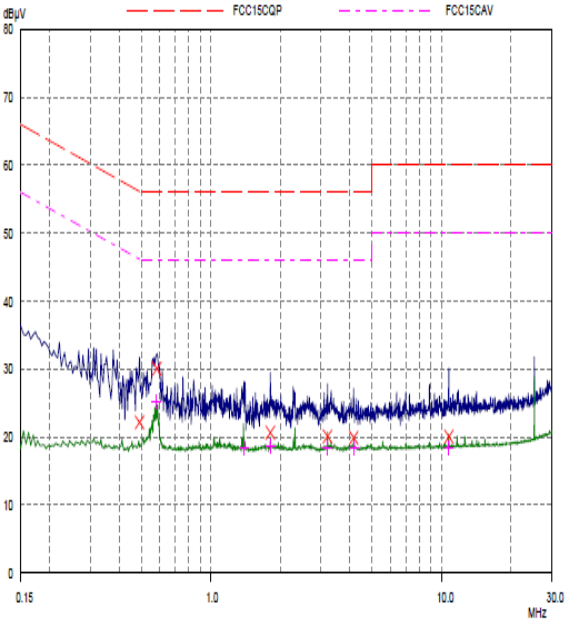


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	40.72	66.00	25.28	L1	gnd
0.56015	34.58	56.00	21.42	L1	gnd
0.57578	34.58	56.00	21.42	L1	gnd
4.61484	25.11	56.00	30.89	L1	gnd
10.63437	32.63	60.00	27.37	L1	gnd
25.22812	41.70	60.00	18.30	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.20078	24.17	53.58	29.41	L1	gnd
0.56406	29.77	46.00	16.23	L1	gnd
0.57578	27.88	46.00	18.12	L1	gnd
3.68906	19.17	46.00	26.83	L1	gnd
11.43125	24.57	50.00	25.43	L1	gnd
25.22812	40.76	50.00	9.24	L1	gnd

N Line



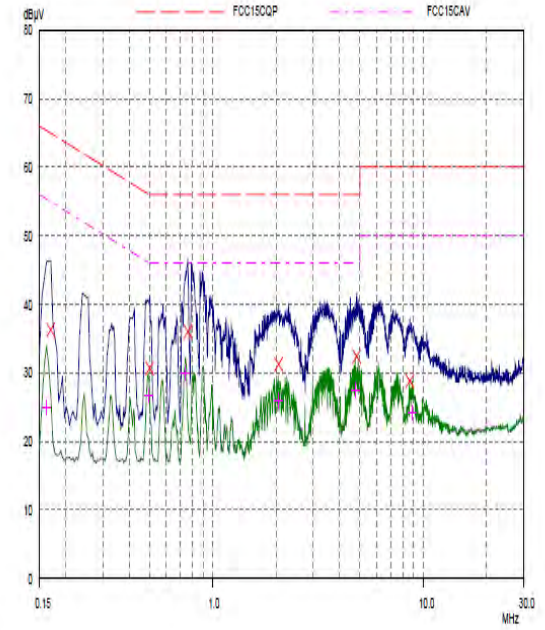
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.48984	22.14	56.17	34.03	N	gnd
0.58359	30.04	56.00	25.96	N	gnd
1.81015	20.63	56.00	35.37	N	gnd
3.20078	20.06	56.00	35.94	N	gnd
4.1578	19.88	56.00	36.12	N	gnd
10.73984	20.06	60.00	39.94	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.57968	25.16	46.00	20.84	N	gnd
1.38437	18.30	46.00	27.70	N	gnd
1.81015	18.53	46.00	27.47	N	gnd
3.20078	18.33	46.00	27.67	N	gnd
4.1578	18.43	46.00	27.57	N	gnd
10.73984	18.37	50.00	31.63	N	gnd

802.11g, Channel No.: 1

L Line

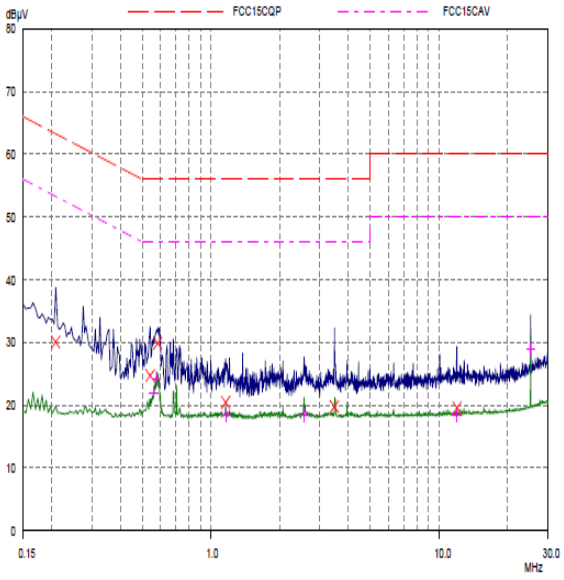


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16953	36.29	64.98	28.69	L1	gnd
0.50156	30.69	56.00	25.31	L1	gnd
0.75937	36.03	56.00	19.97	L1	gnd
2.05625	31.26	56.00	24.74	L1	gnd
4.62968	32.36	56.00	23.64	L1	gnd
8.64218	28.83	60.00	31.17	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16171	24.92	55.38	30.46	L1	gnd
0.49375	26.55	46.10	19.55	L1	gnd
0.73984	29.88	46.00	16.12	L1	gnd
2.04453	25.98	46.00	20.02	L1	gnd
4.74765	27.44	46.00	18.56	L1	gnd
8.86484	24.18	50.00	25.82	L1	gnd

N Line



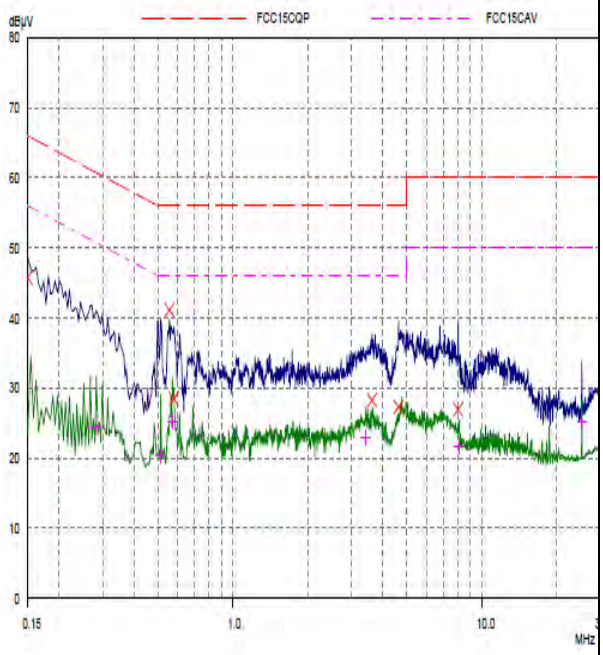
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.20859	30.06	63.26	33.20	N	gnd
0.54062	24.74	56.00	31.26	N	gnd
0.58359	29.86	56.00	26.14	N	gnd
1.15781	20.42	56.00	35.58	N	gnd
3.47421	19.75	56.00	36.25	N	gnd
11.97421	19.60	60.00	40.40	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.56015	22.01	46.00	23.99	N	gnd
0.57578	24.17	46.00	21.83	N	gnd
1.15781	18.45	46.00	27.55	N	gnd
2.56015	18.40	46.00	27.60	N	gnd
11.97421	18.41	50.00	31.59	N	gnd
25.23203	28.94	50.00	21.06	N	gnd

802.11g, Channel No.: 6

L Line

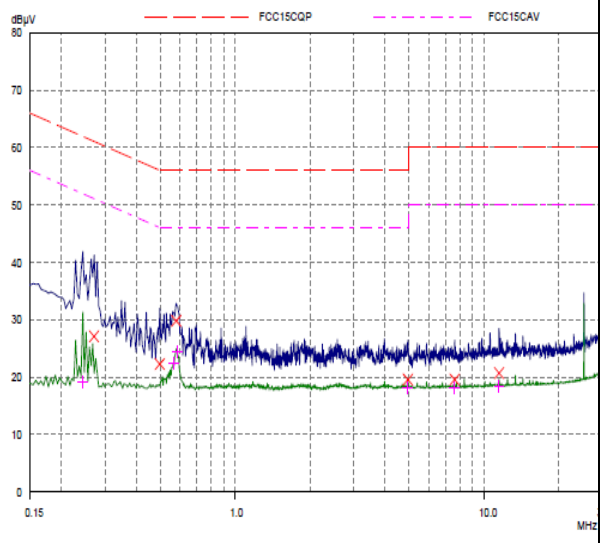


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	45.78	66.00	20.22	L1	gnd
0.55625	41.14	56.00	14.86	L1	gnd
0.57968	28.48	56.00	27.52	L1	gnd
3.61875	28.23	56.00	27.77	L1	gnd
4.63046	27.29	56.00	28.71	L1	gnd
8.0367	26.96	60.00	33.04	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.26281	24.29	50.73	26.44	L1	gnd
0.51327	20.29	46.00	25.71	L1	gnd
0.57187	25.24	46.00	20.76	L1	gnd
3.42343	22.93	46.00	23.07	L1	gnd
8.11875	21.74	50.00	28.26	L1	gnd
25.22812	25.22	50.00	24.78	L1	gnd

N Line



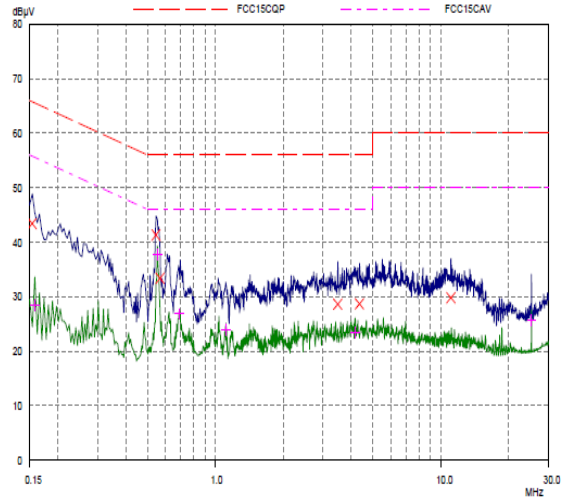
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.27109	27.09	61.08	33.99	N	gnd
0.49765	22.28	56.04	33.76	N	gnd
0.57968	29.82	56.00	26.18	N	gnd
4.95078	19.56	56.00	36.44	N	gnd
7.61875	19.57	60.00	40.43	N	gnd
11.49375	20.72	60.00	39.28	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.24375	19.20	51.97	32.77	N	gnd
0.56406	22.32	46.00	23.68	N	gnd
0.58359	24.41	46.00	21.59	N	gnd
4.95078	18.21	46.00	27.79	N	gnd
7.61875	18.20	50.00	31.80	N	gnd
11.49375	18.39	50.00	31.61	N	gnd

802.11g, Channel No.: 11

L Line

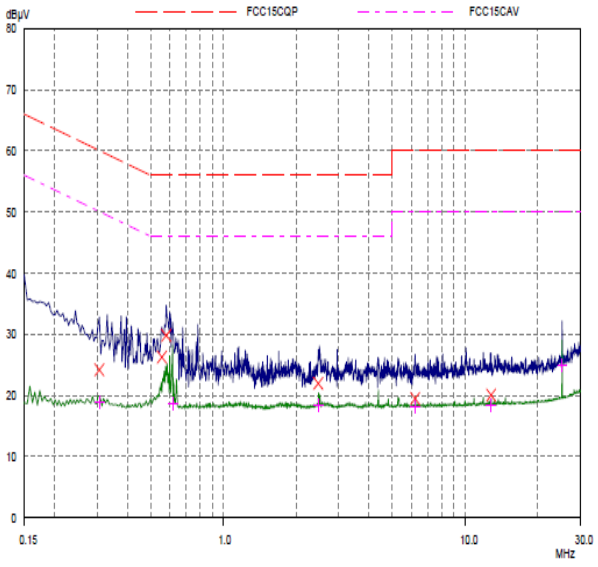


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	43.44	65.79	22.35	L1	gnd
0.54453	41.32	56.00	14.68	L1	gnd
0.56796	33.38	56.00	22.62	L1	gnd
3.48984	28.61	56.00	27.39	L1	gnd
4.35703	28.69	56.00	27.31	L1	gnd
11.07578	29.79	60.00	30.21	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	28.41	55.58	27.17	L1	gnd
0.55234	37.70	46.00	8.30	L1	gnd
0.68906	26.80	46.00	19.20	L1	gnd
1.11484	23.82	46.00	22.18	L1	gnd
4.16171	23.45	46.00	22.55	L1	gnd
25.22812	25.63	50.00	24.37	L1	gnd

N Line



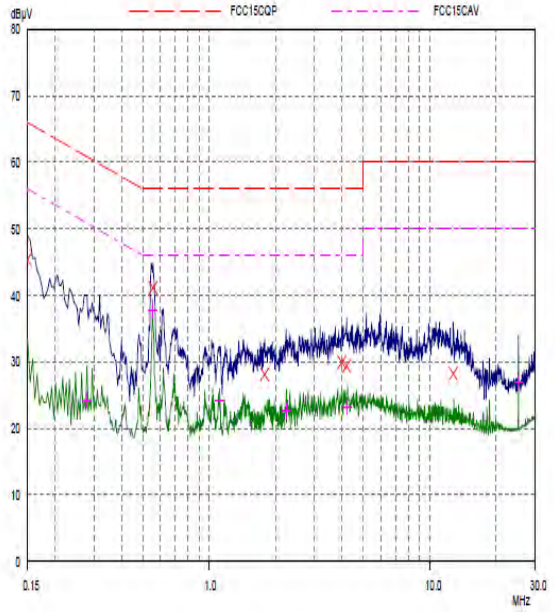
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.30625	24.20	60.07	35.87	N	gnd
0.55625	26.26	56.00	29.74	N	gnd
0.57968	29.80	56.00	26.20	N	gnd
2.47031	21.96	56.00	34.04	N	gnd
6.2125	19.50	60.00	40.50	N	gnd
12.80625	20.05	60.00	39.95	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.30625	18.89	50.07	31.18	N	gnd
0.61484	18.69	46.00	27.31	N	gnd
2.47031	18.31	46.00	27.69	N	gnd
6.2125	18.17	50.00	31.83	N	gnd
12.80625	18.36	50.00	31.64	N	gnd
25.23203	24.97	50.00	25.03	N	gnd

802.11n(HT20), Channel No.: 1

L Line

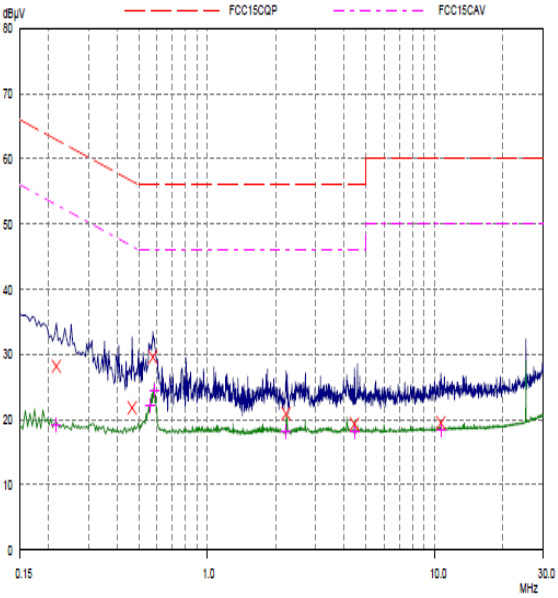


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	45.36	66.00	20.64	L1	gnd
0.55625	41.14	56.00	14.86	L1	gnd
1.78281	28.11	56.00	27.89	L1	gnd
3.99375	29.92	56.00	26.08	L1	gnd
4.20468	29.40	56.00	26.60	L1	gnd
12.77109	28.25	60.00	31.75	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.2789	24.14	50.85	26.71	L1	gnd
0.55234	37.70	46.00	8.30	L1	gnd
1.11484	24.15	46.00	21.85	L1	gnd
2.24375	22.67	46.00	23.33	L1	gnd
4.23984	23.19	46.00	22.81	L1	gnd
25.22812	27.01	50.00	22.99	L1	gnd

N Line



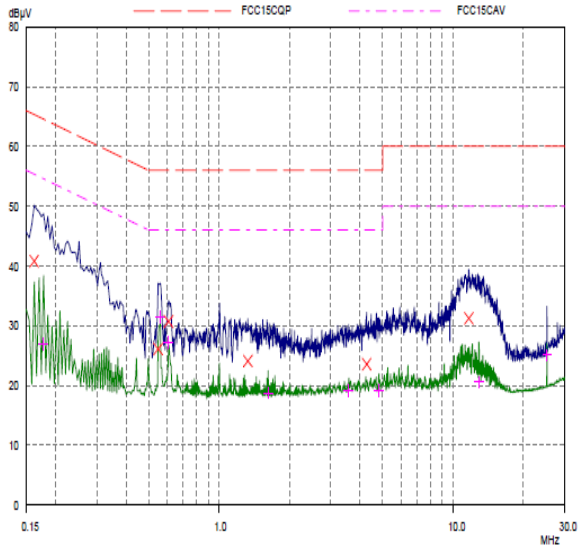
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.2164	28.17	62.96	34.79	N	gnd
0.4664	21.81	56.58	34.77	N	gnd
0.57578	29.56	56.00	26.44	N	gnd
2.22031	20.92	56.00	35.08	N	gnd
4.43515	19.29	56.00	36.71	N	gnd
10.56171	19.53	60.00	40.47	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.2164	19.21	52.96	33.75	N	gnd
0.56015	22.22	46.00	23.78	N	gnd
0.58359	24.41	46.00	21.59	N	gnd
2.22031	18.07	46.00	27.93	N	gnd
4.43515	18.03	46.00	27.97	N	gnd
10.56171	18.28	50.00	31.72	N	gnd

802.11n(HT20), Channel No.: 6

L Line

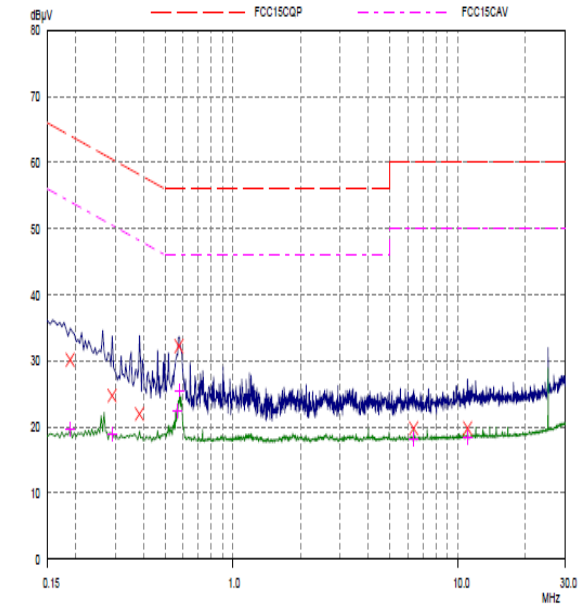


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16171	40.81	65.38	24.57	L1	gnd
0.54843	26.10	56.00	29.90	L1	gnd
0.60703	30.72	56.00	25.28	L1	gnd
1.32578	24.09	56.00	31.91	L1	gnd
4.26718	23.55	56.00	32.45	L1	gnd
11.66953	31.27	60.00	28.73	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.17734	26.85	54.61	27.76	L1	gnd
0.56015	31.47	46.00	14.53	L1	gnd
0.60703	27.10	46.00	18.90	L1	gnd
1.61875	18.76	46.00	27.24	L1	gnd
3.5875	19.10	46.00	26.90	L1	gnd
4.82578	19.20	46.00	26.80	L1	gnd
12.91562	20.52	50.00	29.48	L1	gnd
25.22812	25.06	50.00	24.94	L1	gnd

N Line



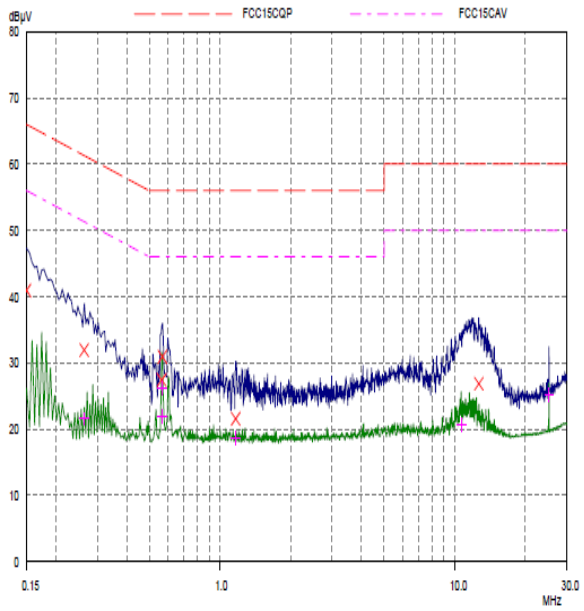
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.18906	30.15	64.08	33.93	N	gnd
0.29062	24.74	60.51	35.77	N	gnd
0.38437	21.98	58.18	36.20	N	gnd
0.57578	32.22	56.00	23.78	N	gnd
6.35703	19.80	60.00	40.20	N	gnd
11.03671	19.81	60.00	40.19	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18906	19.59	54.08	34.49	N	gnd
0.29062	18.89	50.51	31.62	N	gnd
0.56406	22.32	46.00	23.68	N	gnd
0.57968	25.52	46.00	20.48	N	gnd
6.35703	18.17	50.00	31.83	N	gnd
11.03671	18.30	50.00	31.70	N	gnd

802.11n(HT20), Channel No.: 11

L Line

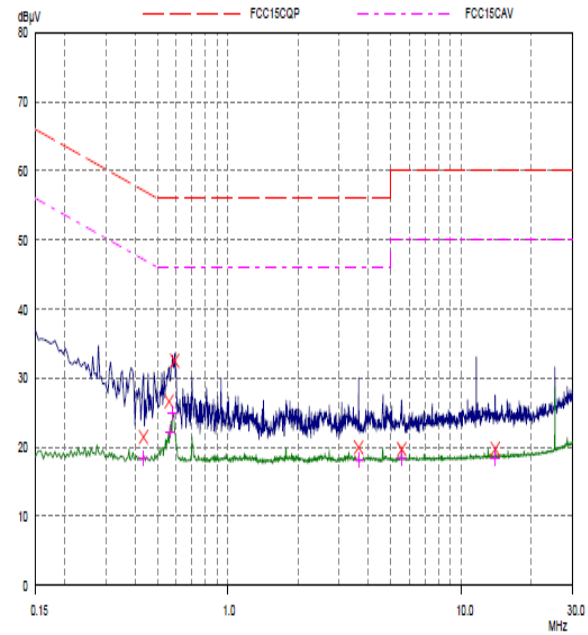


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	40.94	66.00	25.06	L1	gnd
0.26328	31.95	61.33	29.38	L1	gnd
0.56406	27.44	56.00	28.56	L1	gnd
0.56796	30.92	56.00	25.08	L1	gnd
1.16562	21.56	56.00	34.44	L1	gnd
12.63828	26.88	60.00	33.12	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.26328	21.53	51.33	29.80	L1	gnd
0.56406	21.80	46.00	24.20	L1	gnd
0.56796	26.12	46.00	19.88	L1	gnd
1.16562	18.60	46.00	27.40	L1	gnd
10.64218	20.69	50.00	29.31	L1	gnd
25.22812	25.22	50.00	24.78	L1	gnd

N Line



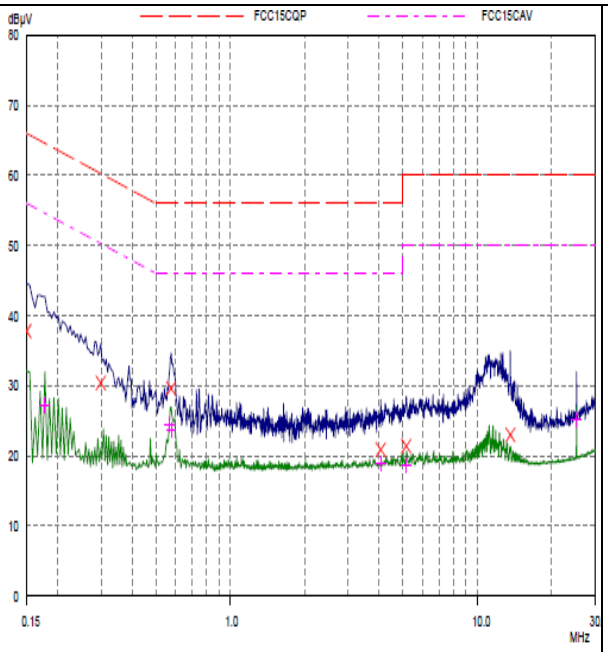
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.43515	21.45	57.15	35.70	N	gnd
0.56015	26.60	56.00	29.40	N	gnd
0.5914	32.52	56.00	23.48	N	gnd
3.63828	19.97	56.00	36.03	N	gnd
5.56015	19.72	60.00	40.28	N	gnd
13.9664	19.78	60.00	40.22	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.43515	18.32	47.15	28.83	N	gnd
0.56406	22.27	46.00	23.73	N	gnd
0.57968	24.87	46.00	21.13	N	gnd
3.63828	18.10	46.00	27.90	N	gnd
5.56015	18.31	50.00	31.69	N	gnd
13.9664	18.49	50.00	31.51	N	gnd

802.11n(HT40), Channel No.: 1

L Line

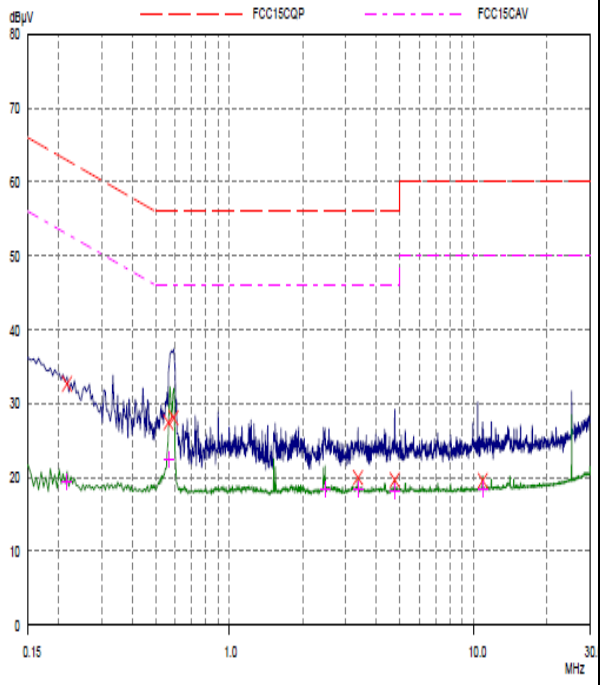


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	37.80	66.00	28.20	L1	gnd
0.29643	30.40	60.29	29.89	L1	gnd
0.57578	29.60	56.00	26.40	L1	gnd
4.06405	20.92	56.00	35.08	L1	gnd
5.15	21.41	60.00	38.59	L1	gnd
13.61484	22.99	60.00	37.01	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.17734	27.26	54.61	27.35	L1	gnd
0.56406	24.49	46.00	21.51	L1	gnd
0.57578	23.58	46.00	22.42	L1	gnd
4.06405	18.81	46.00	27.19	L1	gnd
5.15	18.69	50.00	31.31	L1	gnd
25.22812	25.22	50.00	24.78	L1	gnd

N Line



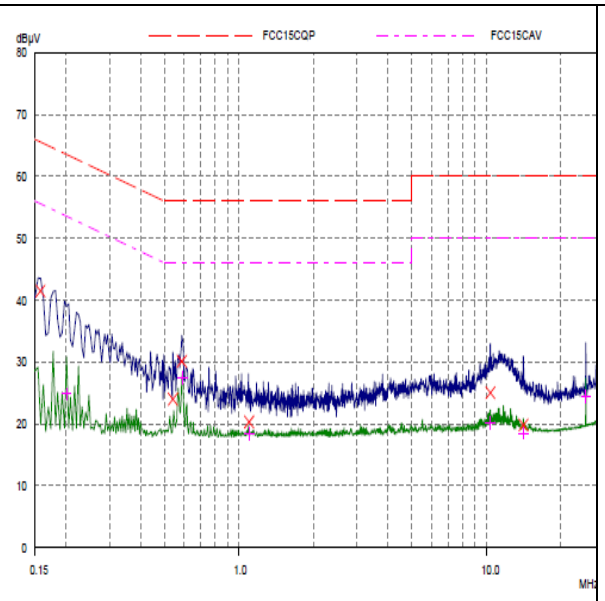
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.2164	32.65	62.96	30.31	N	gnd
0.56406	27.44	56.00	28.56	N	gnd
0.5914	28.06	56.00	27.94	N	gnd
3.36484	19.96	56.00	36.04	N	gnd
4.76328	19.62	56.00	36.38	N	gnd
10.89218	19.60	60.00	40.40	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.2164	19.29	52.96	33.67	N	gnd
0.56406	22.32	46.00	23.68	N	gnd
2.47031	18.31	46.00	27.69	N	gnd
3.36484	18.33	46.00	27.67	N	gnd
4.76328	18.21	46.00	27.79	N	gnd
10.89218	18.37	50.00	31.63	N	gnd

802.11n(HT40), Channel No.: 6

L Line

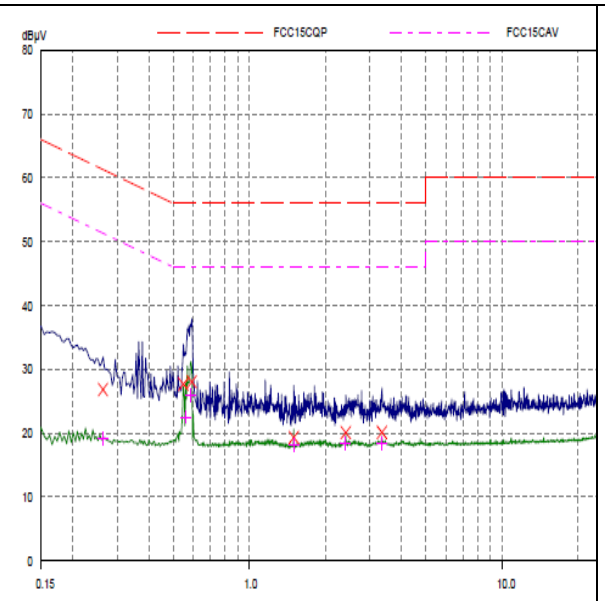


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	41.46	65.58	24.12	L1	gnd
0.54062	24.00	56.00	32.00	L1	gnd
0.5875	30.12	56.00	25.88	L1	gnd
1.09921	20.30	56.00	35.70	L1	gnd
10.37656	25.03	60.00	34.97	L1	gnd
14.09921	19.83	60.00	40.17	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.20078	24.80	53.58	28.78	L1	gnd
0.5914	27.44	46.00	18.56	L1	gnd
1.09921	18.29	46.00	27.71	L1	gnd
10.37656	20.05	50.00	29.95	L1	gnd
14.09921	18.50	50.00	31.50	L1	gnd
25.22812	24.36	50.00	25.64	L1	gnd

N Line



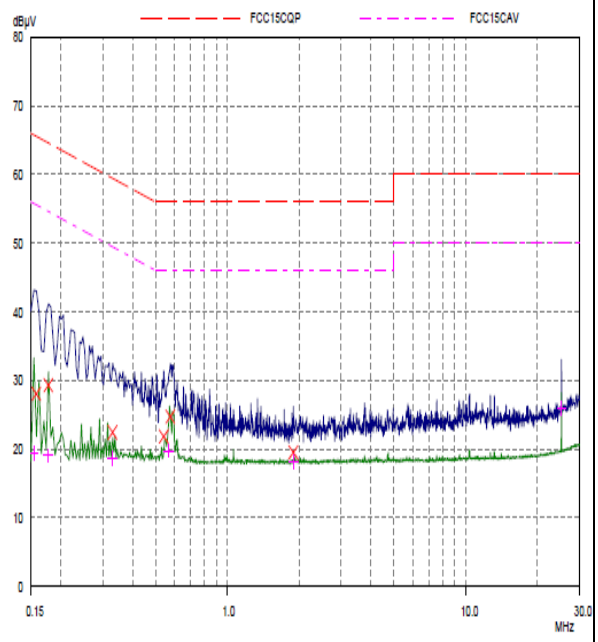
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.26328	26.83	61.33	34.50	N	gnd
0.54843	27.66	56.00	28.34	N	gnd
0.5914	28.02	56.00	27.98	N	gnd
1.49765	19.33	56.00	36.67	N	gnd
2.40781	20.08	56.00	35.92	N	gnd
3.34531	20.10	56.00	35.90	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.26328	19.12	51.33	32.21	N	gnd
0.56015	22.52	46.00	23.48	N	gnd
0.5875	25.93	46.00	20.07	N	gnd
1.49765	18.06	46.00	27.94	N	gnd
2.40781	18.31	46.00	27.69	N	gnd
3.34531	18.49	46.00	27.51	N	gnd

802.11n(HT40), Channel No.: 11

L Line

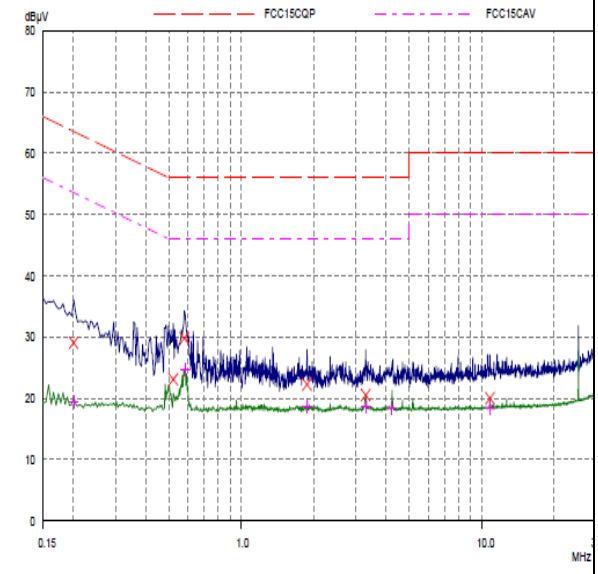


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	28.02	65.58	37.56	L1	gnd
0.17734	29.32	64.61	35.29	L1	gnd
0.32968	22.43	59.46	37.03	L1	gnd
0.54062	21.86	56.00	34.14	L1	gnd
0.57578	24.70	56.00	31.30	L1	gnd
1.88828	19.51	56.00	36.49	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	19.34	55.79	36.45	L1	gnd
0.17734	19.02	54.61	35.59	L1	gnd
0.32968	18.65	49.46	30.81	L1	gnd
0.56406	19.77	46.00	26.23	L1	gnd
1.88828	18.22	46.00	27.78	L1	gnd
25.22812	25.94	50.00	24.06	L1	gnd

N Line



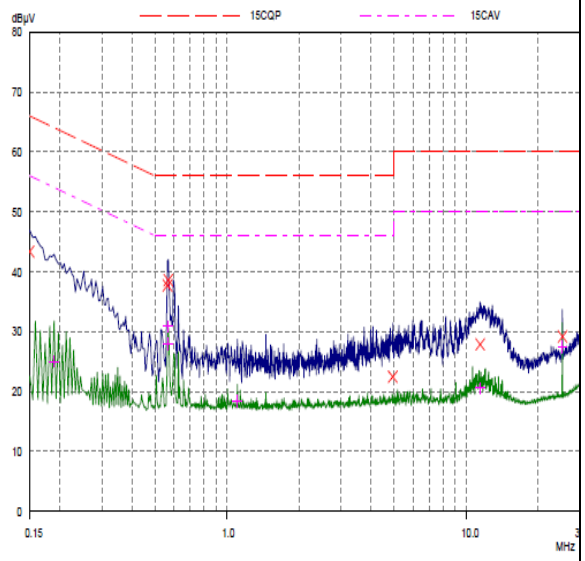
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.20078	29.06	63.58	34.52	N	gnd
0.52109	23.08	56.00	32.92	N	gnd
0.57968	29.82	56.00	26.18	N	gnd
1.87656	22.25	56.00	33.75	N	gnd
3.28671	20.50	56.00	35.50	N	gnd
10.79062	20.02	60.00	39.98	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.20078	19.30	53.58	34.28	N	gnd
0.58359	24.64	46.00	21.36	N	gnd
1.87656	18.61	46.00	27.39	N	gnd
3.28671	18.72	46.00	27.28	N	gnd
4.23984	18.36	46.00	27.64	N	gnd
10.79062	18.37	50.00	31.63	N	gnd

BLE, Channel No.: 0

L Line

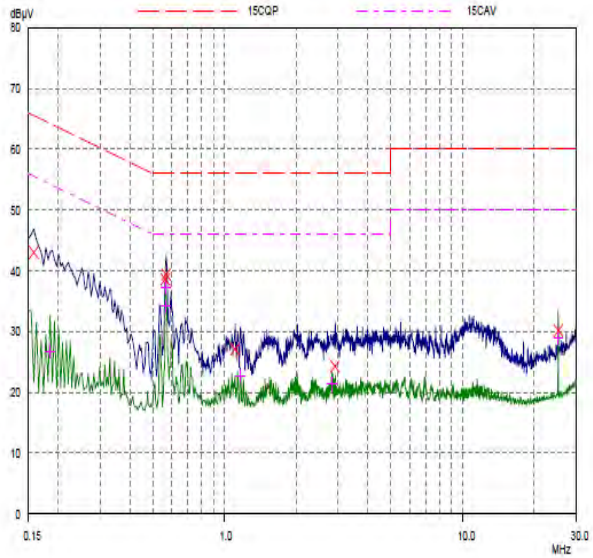


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	43.36	66.00	22.64	L1	gnd
0.56406	37.72	56.00	18.28	L1	gnd
0.56796	38.58	56.00	17.42	L1	gnd
4.92734	22.48	56.00	33.52	L1	gnd
11.42343	27.84	60.00	32.16	L1	gnd
25.22812	29.18	60.00	30.82	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18906	25.03	54.08	29.05	L1	gnd
0.56406	27.98	46.00	18.02	L1	gnd
0.56796	30.81	46.00	15.19	L1	gnd
1.10312	18.45	46.00	27.55	L1	gnd
11.42343	20.53	50.00	29.47	L1	gnd
25.22812	27.47	50.00	22.53	L1	gnd

N Line



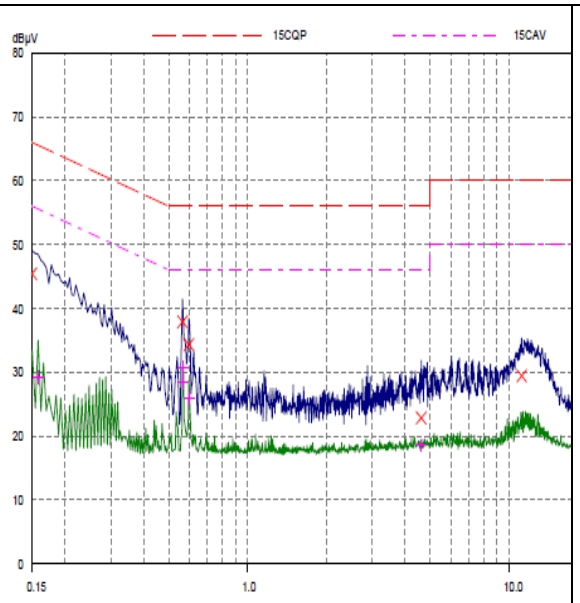
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	43.00	65.58	22.58	N	gnd
0.56406	38.58	56.00	17.42	N	gnd
0.56796	39.42	56.00	16.58	N	gnd
1.10703	27.12	56.00	28.88	N	gnd
2.91171	24.29	56.00	31.71	N	gnd
25.22812	30.20	60.00	29.80	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18515	26.72	54.25	27.53	N	gnd
0.56406	34.16	46.00	11.84	N	gnd
0.56796	37.20	46.00	8.80	N	gnd
1.16562	22.69	46.00	23.31	N	gnd
2.82187	21.38	46.00	24.62	N	gnd
25.22812	28.83	50.00	21.17	N	gnd

BLE, Channel No.: 19

L Line

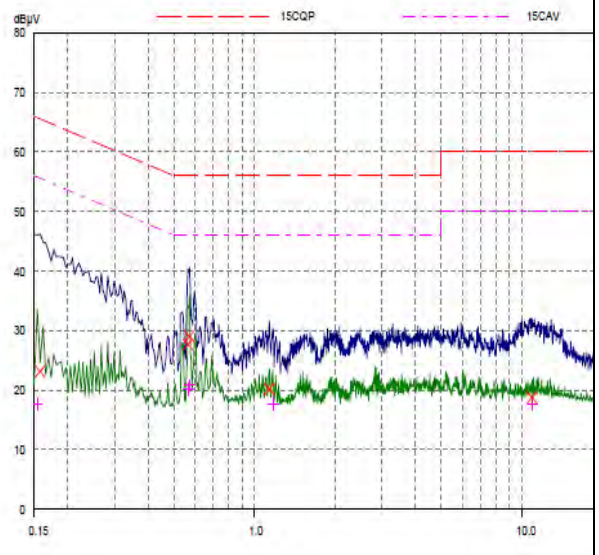


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	45.44	66.00	20.56	L1	gnd
0.56406	37.92	56.00	18.08	L1	gnd
0.59531	34.34	56.00	21.66	L1	gnd
4.61875	22.85	56.00	33.15	L1	gnd
11.17343	29.45	60.00	30.55	L1	gnd
25.22812	31.00	60.00	29.00	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	29.18	55.58	26.40	L1	gnd
0.56406	28.49	46.00	17.51	L1	gnd
0.56796	30.66	46.00	15.34	L1	gnd
0.59531	25.86	46.00	20.14	L1	gnd
4.61875	18.52	46.00	27.48	L1	gnd
25.22812	29.76	50.00	20.24	L1	gnd

N Line



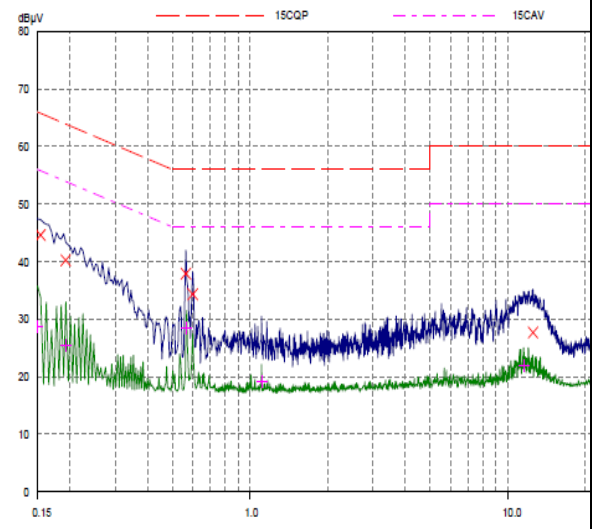
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	23.12	65.58	42.46	N	gnd
0.56406	27.66	56.00	28.34	N	gnd
0.57187	29.02	56.00	26.98	N	gnd
1.13437	20.18	56.00	35.82	N	gnd
10.91562	18.78	60.00	41.22	N	gnd
25.22812	31.06	60.00	28.94	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	17.68	55.79	38.11	N	gnd
0.56406	20.10	46.00	25.90	N	gnd
0.57187	20.79	46.00	25.21	N	gnd
1.16953	17.63	46.00	28.37	N	gnd
10.91562	17.52	50.00	32.48	N	gnd
25.22812	30.19	50.00	19.81	N	gnd

BLE, Channel No.: 39

L Line

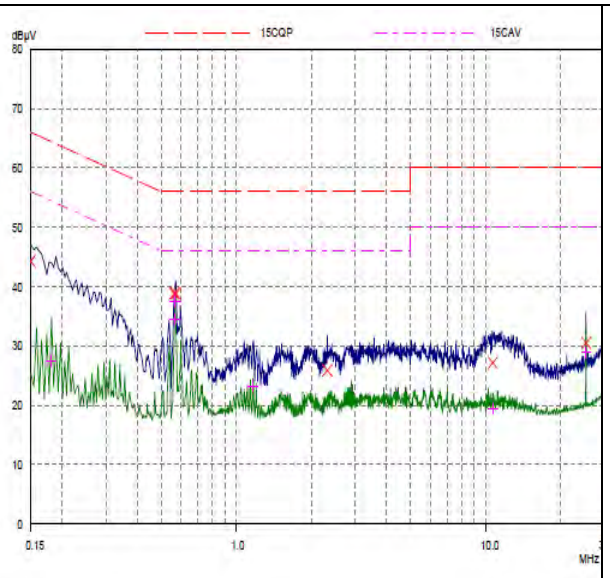


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	44.60	65.79	21.19	L1	gnd
0.19296	40.23	63.91	23.68	L1	gnd
0.56406	37.92	56.00	18.08	L1	gnd
0.59921	34.34	56.00	21.66	L1	gnd
12.51328	27.68	60.00	32.32	L1	gnd
25.22812	30.46	60.00	29.54	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15	26.61	56.00	27.39	L1	gnd
0.19296	25.47	53.91	28.44	L1	gnd
0.56406	28.39	46.00	17.61	L1	gnd
1.10703	19.05	46.00	26.95	L1	gnd
11.52109	21.88	50.00	28.12	L1	gnd
25.22812	28.88	50.00	21.12	L1	gnd

N Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	44.32	66.00	21.68	N	gnd
0.56406	38.82	56.00	17.18	N	gnd
0.57187	38.82	56.00	17.18	N	gnd
2.31796	25.84	56.00	30.16	N	gnd
10.6539	27.17	60.00	32.83	N	gnd
25.22812	30.48	60.00	29.52	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18125	27.43	54.43	27.00	N	gnd
0.56406	34.61	46.00	11.39	N	gnd
0.56796	37.42	46.00	8.58	N	gnd
1.16562	23.25	46.00	22.75	N	gnd
10.6539	19.50	50.00	30.50	N	gnd
25.22812	28.83	50.00	21.17	N	gnd

6. Main Test Instruments

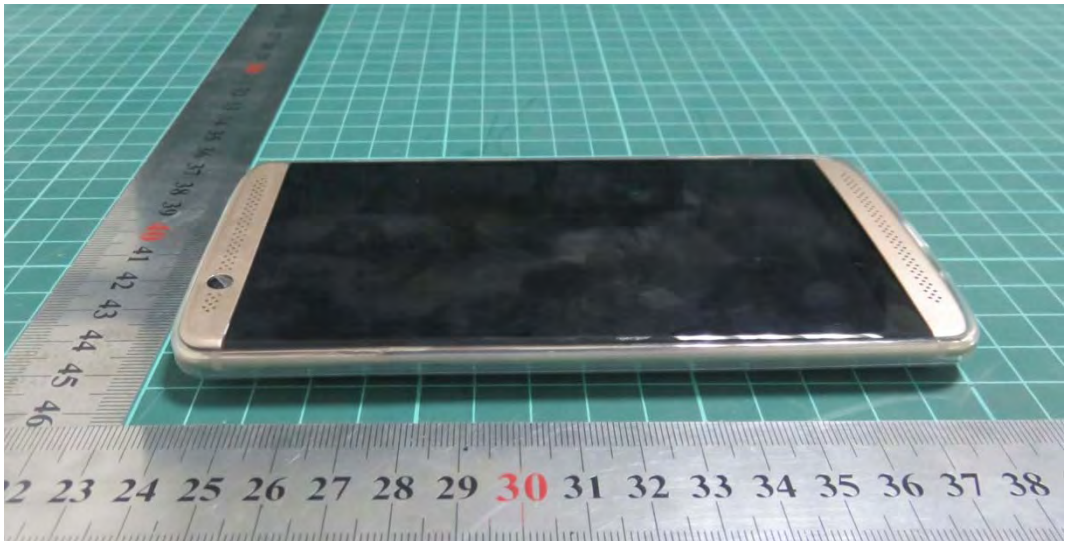
Name	Type/ Model	Manufacturer	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	FSV30	R&S	100815	2015-12-17	2016-12-16
EMI Test Receiver	ESCI	R&S	100948	2016-06-01	2017-05-31
TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	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
LISN	ENV216	R&S	101171	2013-12-18	2016-12-17
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	2016-06-06	2017-06-05

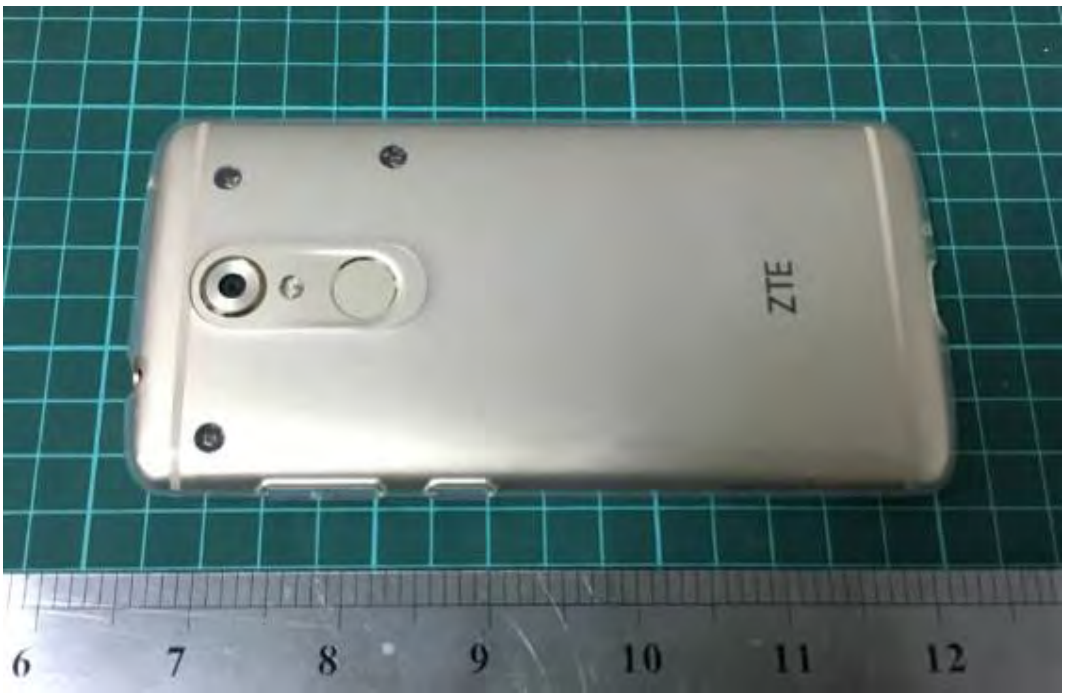
*******END OF REPORT *******

ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance

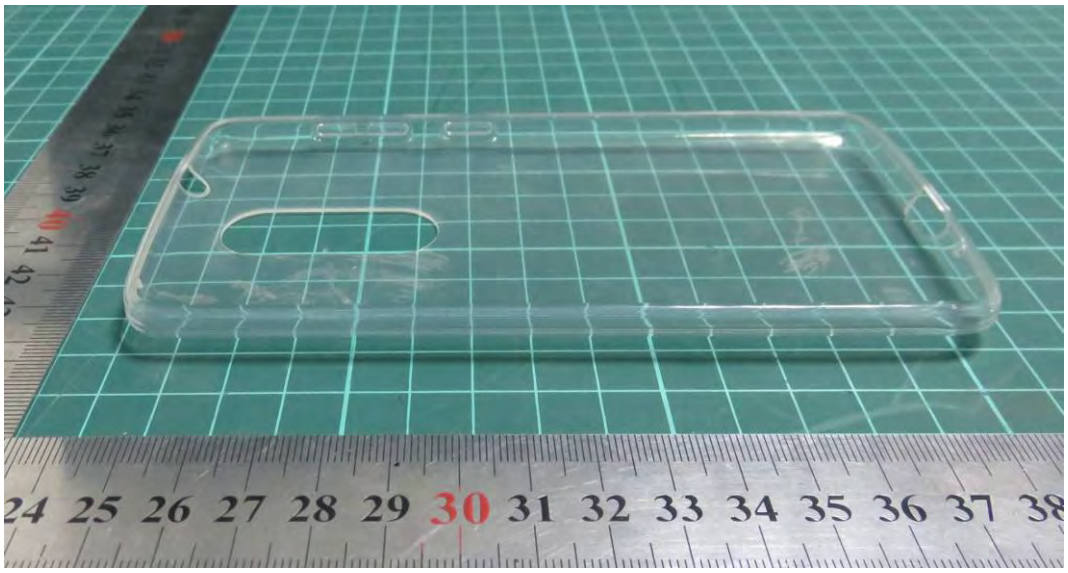
a1: EUT



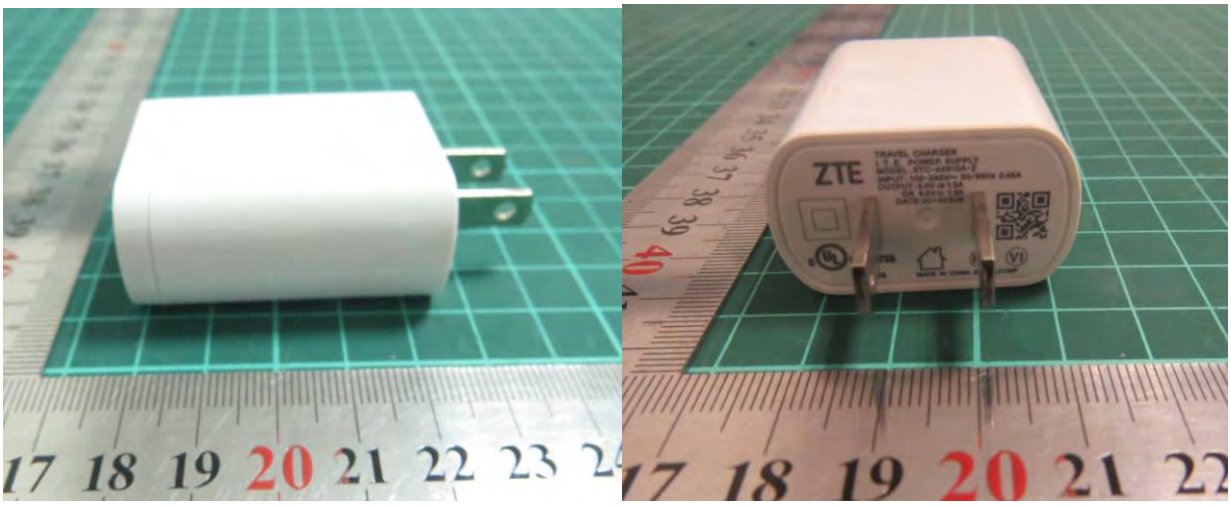


a2: EUT with Phone cover

a: EUT



Phone cover



Adapter

Earphone

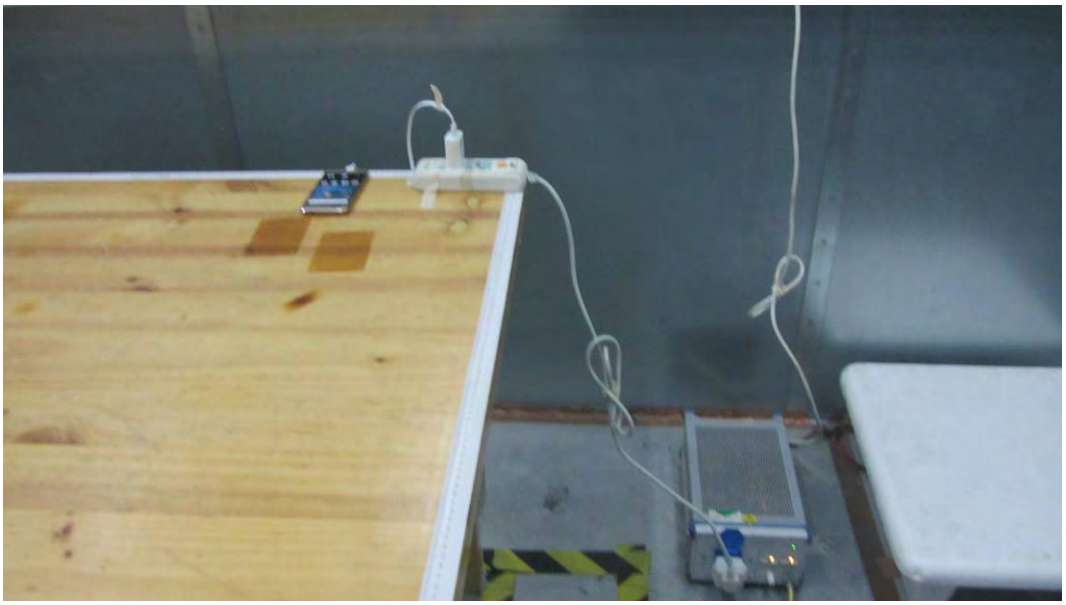
Picture 1 Constituents of EUT

A.2 Test Setup

30M Hz-1GHz

Above 1GHz

Picture 2 Radiated Emission Test Setup



Picture 3 Conducted Emission Test Setup