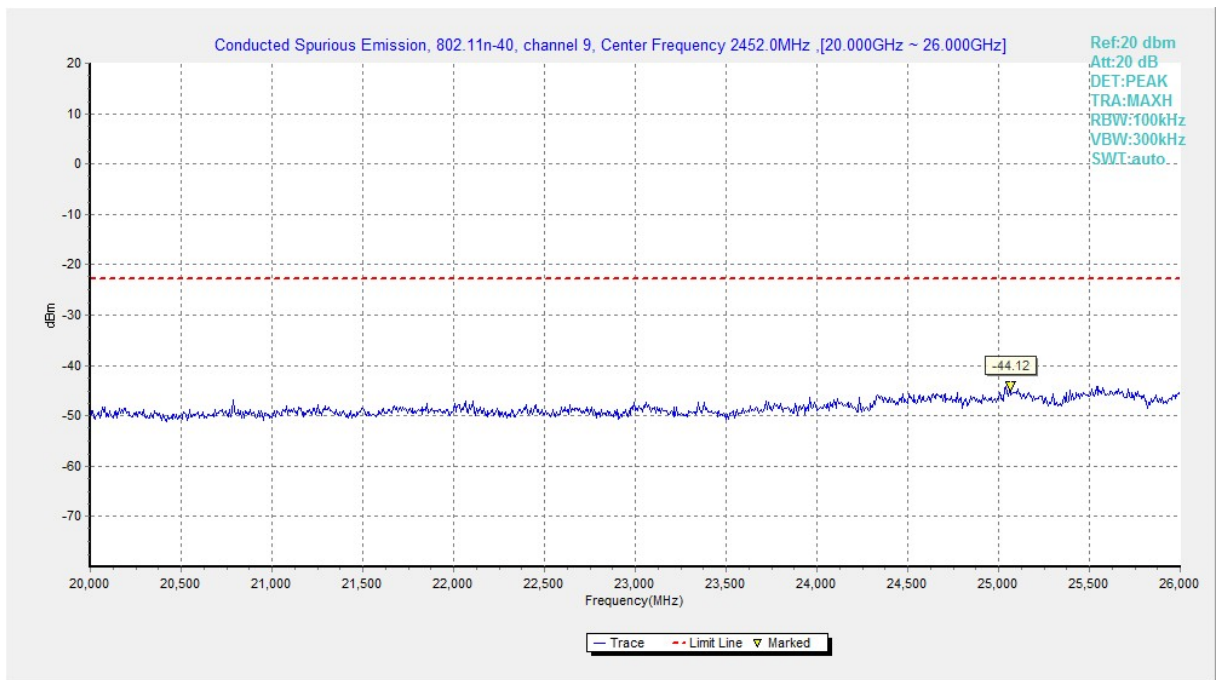


**Fig.A.6.1.95 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 15 GHz-20 GHz)**



**Fig.A.6.1.96 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 20 GHz-26 GHz)**

## A.6.2 Transmitter Spurious Emission - Radiated

**Method of Measurement:** See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

**Measurement Limit:**

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

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)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Frequency (MHz)	Field strength(μV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

### Test Condition

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

**EUT ID:** EUT1

**Measurement Results:**
**802.11b mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power	2.31GHz ~2.45GHz	Fig.A.6.2.1	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.2	<b>P</b>

**802.11g mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11g	Power	2.31GHz ~2.43GHz	Fig.A.6.2.3	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.4	<b>P</b>

**802.11n-HT20 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	Power	2.31GHz ~2.45GHz	Fig.A.6.2.5	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.6	<b>P</b>

**802.11n-HT40 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT40)	Power	2.31GHz ~2.45GHz	Fig.A.6.2.7	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.8	<b>P</b>

**Conclusion: Pass**
**Note:**

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

$P_{Mea}$  is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$

**Average Measurement results**
**802.11b**

## Ch1

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17947.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17949	44.6	-25.5	46.7	23.4	H	54.0	9.4
17952	44.6	-25.5	46.7	23.4	V	54.0	9.4
17967	44.6	-25.5	46.7	23.4	V	54.0	9.4
17989.5	44.6	-25.5	46.7	23.4	H	54.0	9.4
2386	43.2	-14.2	28.1	29.3	H	54.0	10.8

## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17955	44.9	-25.5	46.7	23.7	H	54.0	9.1
17943	44.6	-25.5	46.7	23.4	H	54.0	9.4
17953.5	44.6	-25.5	46.7	23.4	H	54.0	9.4
17958	44.5	-25.5	46.7	23.3	H	54.0	9.5
17986.5	44.5	-25.5	46.7	23.3	H	54.0	9.5
17997	44.5	-25.5	46.7	23.3	V	54.0	9.5

## Ch11

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17949	44.9	-25.5	46.7	23.7	H	54.0	9.1
17950.5	44.7	-25.5	46.7	23.5	V	54.0	9.3
17955	44.7	-25.5	46.7	23.5	V	54.0	9.3
17956.5	44.7	-25.5	46.7	23.5	H	54.0	9.3
17961	44.6	-25.5	46.7	23.4	H	54.0	9.4
2485.5	45.4	-14.2	28.3	31.3	H	54.0	8.6

**802.11g**

## Ch1

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17961	44.8	-25.5	46.7	23.6	V	54.0	9.2
17944.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17955	44.6	-25.5	46.7	23.4	V	54.0	9.4
17956.5	44.6	-25.5	46.7	23.4	H	54.0	9.4
17947.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
2390	46.4	-14.2	28.1	32.5	H	54.0	7.6

## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17958	44.8	-25.5	46.7	23.6	H	54.0	9.2
17949	44.6	-25.5	46.7	23.4	H	54.0	9.4
17989.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17991	44.6	-25.5	46.7	23.4	V	54.0	9.4
17938.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
17950.5	44.5	-25.5	46.7	23.3	V	54.0	9.5

## Ch11

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17956.5	44.7	-25.5	46.7	23.5	V	54.0	9.3
17967	44.7	-25.5	46.7	23.5	V	54.0	9.3
17985	44.7	-25.5	46.7	23.5	V	54.0	9.3
17941.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17950.5	44.6	-25.5	46.7	23.4	H	54.0	9.4
2485.1	46.4	-14.2	28.3	32.3	H	54.0	7.6

**802.11n-HT20**

## Ch1

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17982	44.7	-25.5	46.7	23.5	V	54.0	9.3
17949	44.6	-25.5	46.7	23.4	V	54.0	9.4
17956.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17977.5	44.6	-25.5	46.7	23.4	H	54.0	9.4
17989.5	44.6	-25.5	46.7	23.4	H	54.0	9.4
2390	44	-14.2	28.1	30.1	H	54.0	10.0

## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17944.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
17947.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
17950.5	44.5	-25.5	46.7	23.3	H	54.0	9.5
17952	44.5	-25.5	46.7	23.3	V	54.0	9.5
17965.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
17968.5	44.5	-25.5	46.7	23.3	V	54.0	9.5

## Ch11

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17953.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17982	44.6	-25.5	46.7	23.4	H	54.0	9.4
17956.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
17962.5	44.5	-25.5	46.7	23.3	H	54.0	9.5
17935.5	44.4	-25.5	46.7	23.2	V	54.0	9.6
2485.1	46.2	-14.2	28.3	32.1	H	54.0	7.8

**802.11n-HT40**
**Ch3**

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17964	44.6	-25.5	46.7	23.4	V	54.0	9.4
17988	44.6	-25.5	46.7	23.4	H	54.0	9.4
17958	44.5	-25.5	46.7	23.3	H	54.0	9.5
17959.5	44.5	-25.5	46.7	23.3	V	54.0	9.5
17961	44.5	-25.5	46.7	23.3	V	54.0	9.5
2389.9	46.5	-14.2	28.1	32.6	H	54.0	7.5

**Ch6**

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17946	44.5	-25.5	46.7	23.3	H	54.0	9.5
17955	44.5	-25.5	46.7	23.3	H	54.0	9.5
17956.5	44.5	-25.5	46.7	23.3	H	54.0	9.5
17958	44.5	-25.5	46.7	23.3	V	54.0	9.5
17961	44.5	-25.5	46.7	23.3	H	54.0	9.5
17965.5	44.5	-25.5	46.7	23.3	H	54.0	9.5

**Ch9**

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17950.5	44.7	-25.5	46.7	23.5	H	54.0	9.3
17953.5	44.7	-25.5	46.7	23.5	H	54.0	9.3
17946	44.6	-25.5	46.7	23.4	V	54.0	9.4
17995.5	44.6	-25.5	46.7	23.4	V	54.0	9.4
17949	44.5	-25.5	46.7	23.3	V	54.0	9.5
2485.2	43.9	-14.2	28.3	29.8	H	54.0	10.1

**Peak Measurement results**
**802.11b**

## Ch1

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17950.5	57.4	-25.5	46.7	36.2	H	74.0	16.6
17941.5	57.1	-25.5	46.7	35.9	V	74.0	16.9
17992.5	57	-25.5	46.7	35.8	V	74.0	17.0
17757	56.8	-25.5	46.7	35.6	V	74.0	17.2
17994	56.2	-25.5	46.7	35	V	74.0	17.8
2386.7	56.3	-14.2	28.1	42.4	H	74.0	17.7

## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17896.5	56.5	-25.5	46.7	35.3	V	74.0	17.5
17676	56.4	-25.7	46	36.2	V	74.0	17.6
17971.5	56.3	-25.5	46.7	35.1	V	74.0	17.7
17977.5	56.2	-25.5	46.7	35	V	74.0	17.8
17830.5	56	-25.5	46.7	34.8	V	74.0	18.0
17947.5	56	-25.5	46.7	34.8	H	74.0	18.0

## Ch11

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17961	57.2	-25.5	46.7	36	H	74.0	16.8
17874	56.7	-25.5	46.7	35.5	H	74.0	17.3
17935.5	56.2	-25.5	46.7	35	H	74.0	17.8
17959.5	56.2	-25.5	46.7	35	V	74.0	17.8
17968.5	56.2	-25.5	46.7	35	H	74.0	17.8
2485.6	57.8	-14.2	28.3	43.7	H	74.0	16.2



**802.11g**

## Ch1

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17931	56.7	-25.5	46.7	35.5	V	74.0	17.3
17952	56.7	-25.5	46.7	35.5	V	74.0	17.3
17959.5	56.3	-25.5	46.7	35.1	H	74.0	17.7
17961	56.2	-25.5	46.7	35	V	74.0	17.8
17692.5	55.9	-25.7	46	35.7	H	74.0	18.1
2389.3	61.2	-14.2	28.1	47.3	H	74.0	12.8

## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17947.5	56.5	-25.5	46.7	35.3	H	74.0	17.5
17920.5	56.3	-25.5	46.7	35.1	H	74.0	17.7
17934	56.2	-25.5	46.7	35	V	74.0	17.8
17979	56.2	-25.5	46.7	35	V	74.0	17.8
17946	56.1	-25.5	46.7	34.9	V	74.0	17.9
17875.5	56	-25.5	46.7	34.8	V	74.0	18.0

## Ch11

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17938.5	57.1	-25.5	46.7	35.9	V	74.0	16.9
17977.5	56.3	-25.5	46.7	35.1	V	74.0	17.7
17947.5	56	-25.5	46.7	34.8	V	74.0	18.0
17949	56	-25.5	46.7	34.8	H	74.0	18.0
17953.5	56	-25.5	46.7	34.8	V	74.0	18.0
2487.3	60.5	-14.2	28.3	46.4	H	74.0	13.5

**802.11n-HT20**

## Ch1

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17881.5	57.2	-25.5	46.7	36	V	74.0	16.8
17962.5	56.5	-25.5	46.7	35.3	V	74.0	17.5
17964	56.3	-25.5	46.7	35.1	H	74.0	17.7
17974.5	56.3	-25.5	46.7	35.1	H	74.0	17.7
17988	56.3	-25.5	46.7	35.1	H	74.0	17.7
2389.8	57.3	-14.2	28.1	43.4	H	74.0	16.7

## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17964	56.8	-25.5	46.7	35.6	H	74.0	17.2
17860.5	56.7	-25.5	46.7	35.5	H	74.0	17.3
17952	56.3	-25.5	46.7	35.1	V	74.0	17.7
17967	56.3	-25.5	46.7	35.1	V	74.0	17.7
17956.5	56.2	-25.5	46.7	35	H	74.0	17.8
17950.5	56	-25.5	46.7	34.8	H	74.0	18.0

## Ch11

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17967	56.4	-25.5	46.7	35.2	H	74.0	17.6
17995.5	56.4	-25.5	46.7	35.2	H	74.0	17.6
17997	56.3	-25.5	46.7	35.1	V	74.0	17.7
17839.5	56.1	-25.5	46.7	34.9	V	74.0	17.9
17922	56.1	-25.5	46.7	34.9	H	74.0	17.9
2488.3	58.2	-14.2	28.3	44.1	H	74.0	15.8

**802.11n-HT40**

## Ch3

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17955	56.8	-25.5	46.7	35.6	H	74.0	17.2
17995.5	56.8	-25.5	46.7	35.6	V	74.0	17.2
17959.5	56.4	-25.5	46.7	35.2	V	74.0	17.6
17869.5	56.3	-25.5	46.7	35.1	H	74.0	17.7
17979	56.3	-25.5	46.7	35.1	V	74.0	17.7
2389.2	59.9	-14.2	28.1	46	H	74.0	14.1

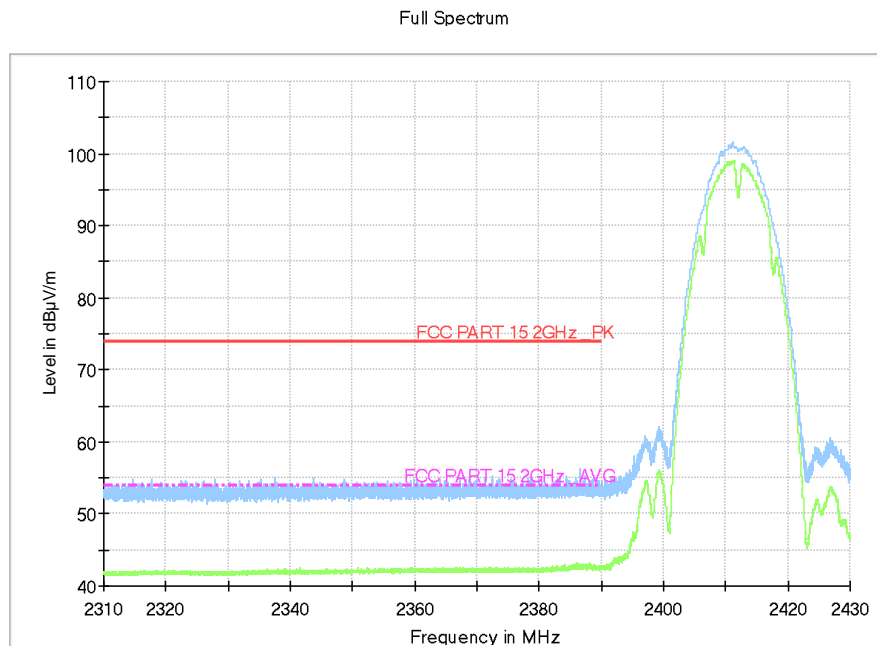
## Ch6

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17970	57	-25.5	46.7	35.8	V	74.0	17.0
17914.5	56.2	-25.5	46.7	35	V	74.0	17.8
17967	56.2	-25.5	46.7	35	H	74.0	17.8
17985	56.1	-25.5	46.7	34.9	V	74.0	17.9
17991	56	-25.5	46.7	34.8	H	74.0	18.0
17908.5	55.9	-25.5	46.7	34.7	V	74.0	18.1

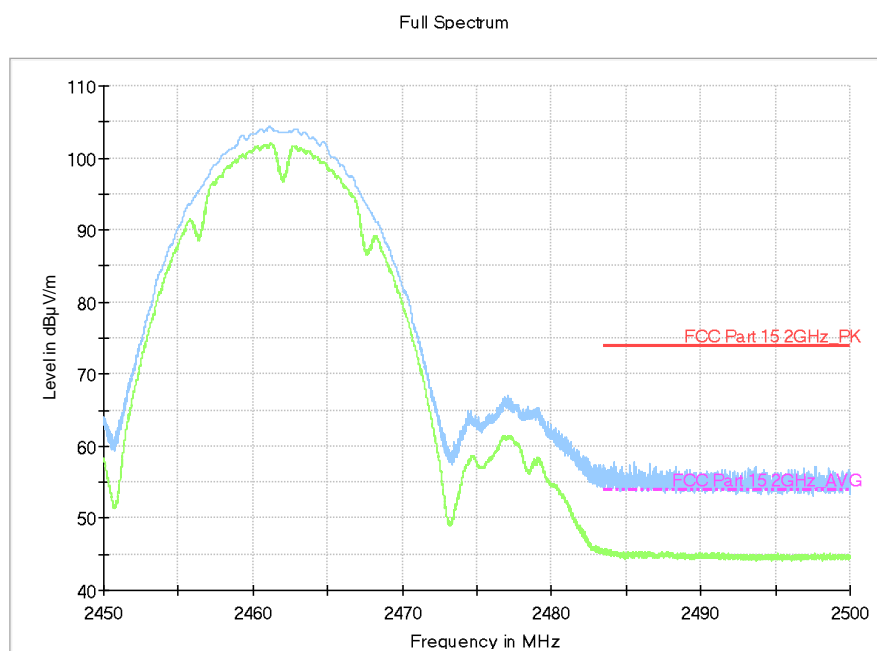
## Ch9

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17883	56.5	-25.5	46.7	35.3	H	74.0	17.5
17928	56.5	-25.5	46.7	35.3	H	74.0	17.5
17878.5	56.4	-25.5	46.7	35.2	V	74.0	17.6
17959.5	56.3	-25.5	46.7	35.1	V	74.0	17.7
17925	56.2	-25.5	46.7	35	H	74.0	17.8
2490.9	58.5	-14.2	28.3	44.4	H	74.0	15.5

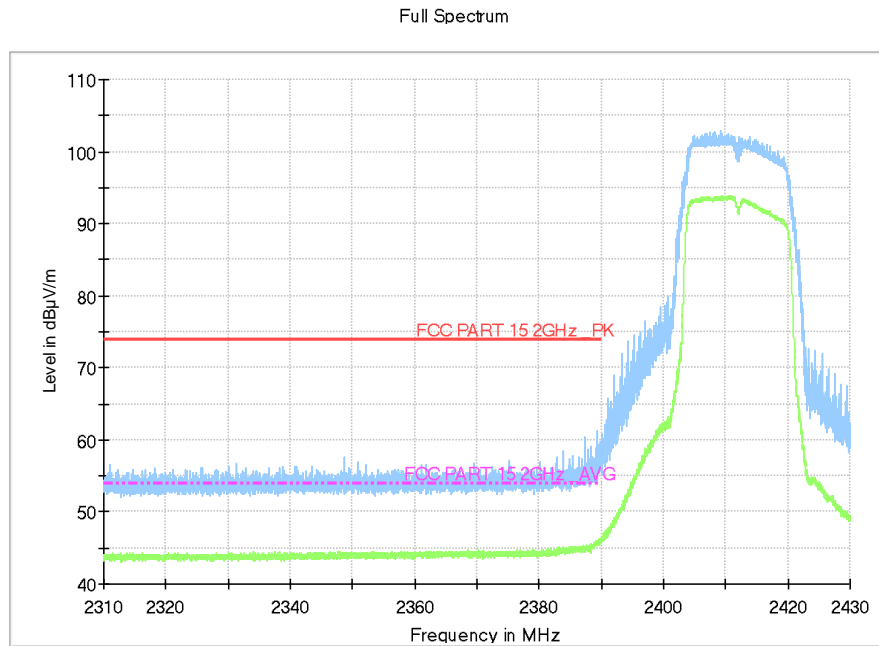
**Test graphs as below:**



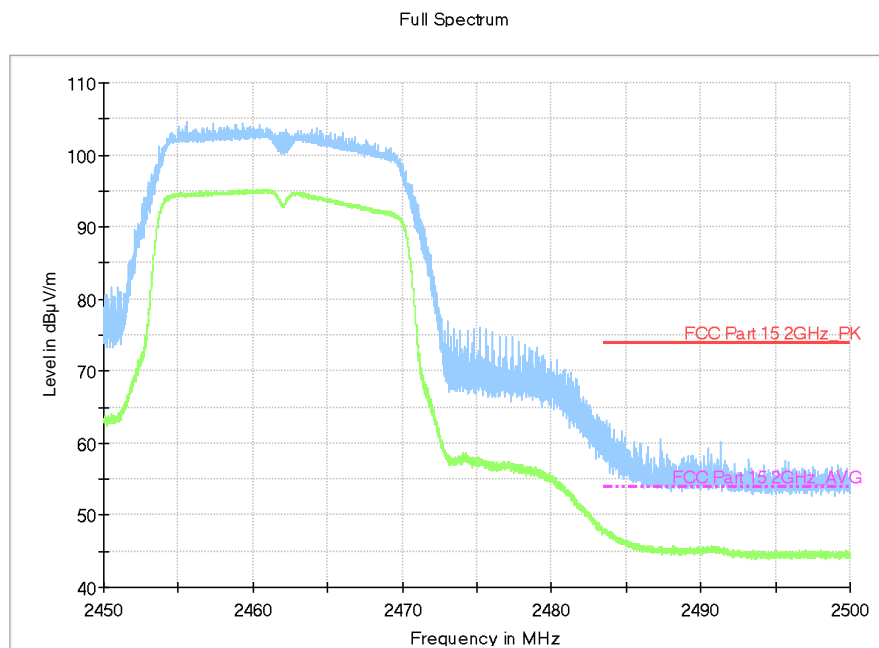
**Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.31 GHz – 2.45GHz**



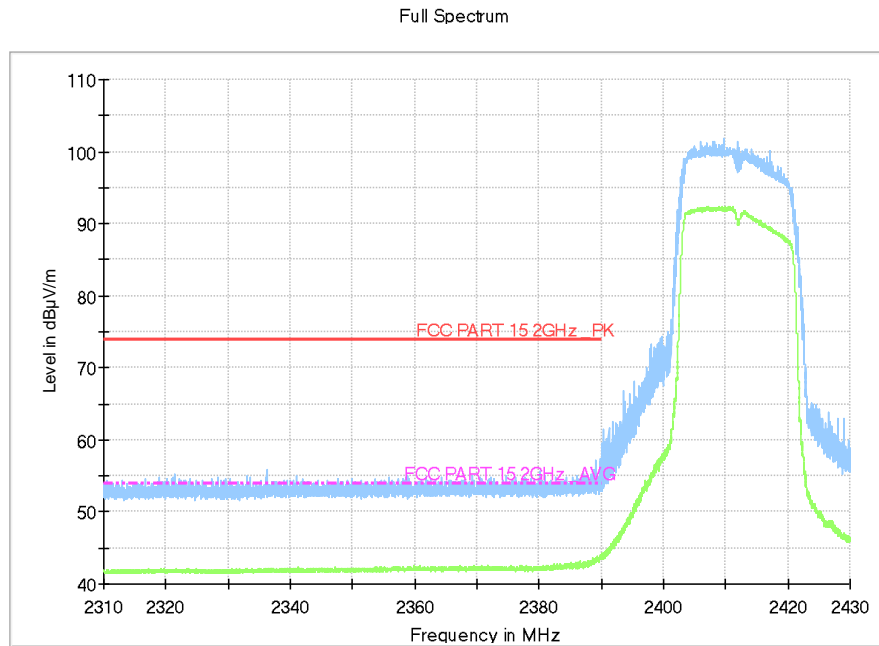
**Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz**



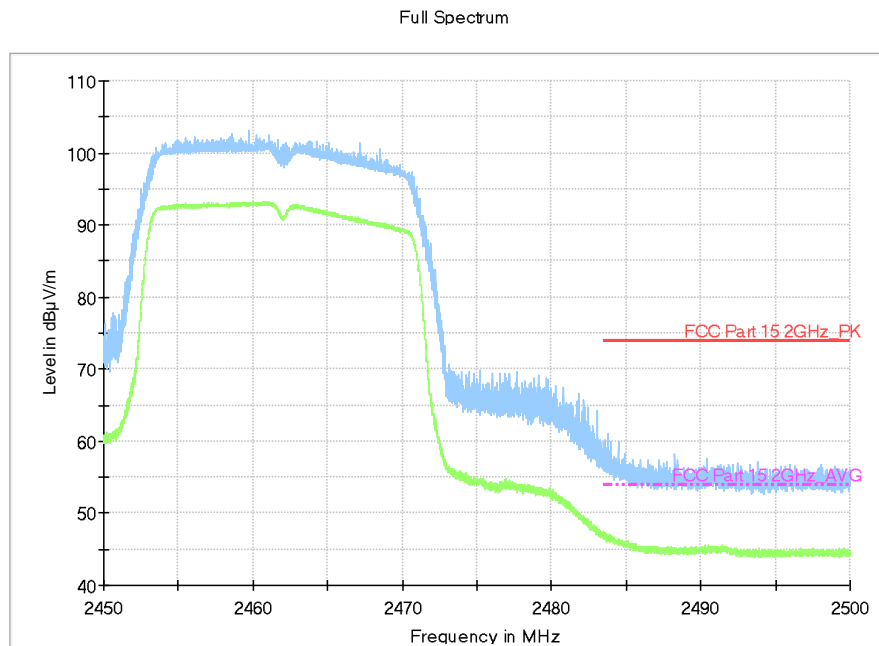
**Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.31 GHz - 2.45GHz**



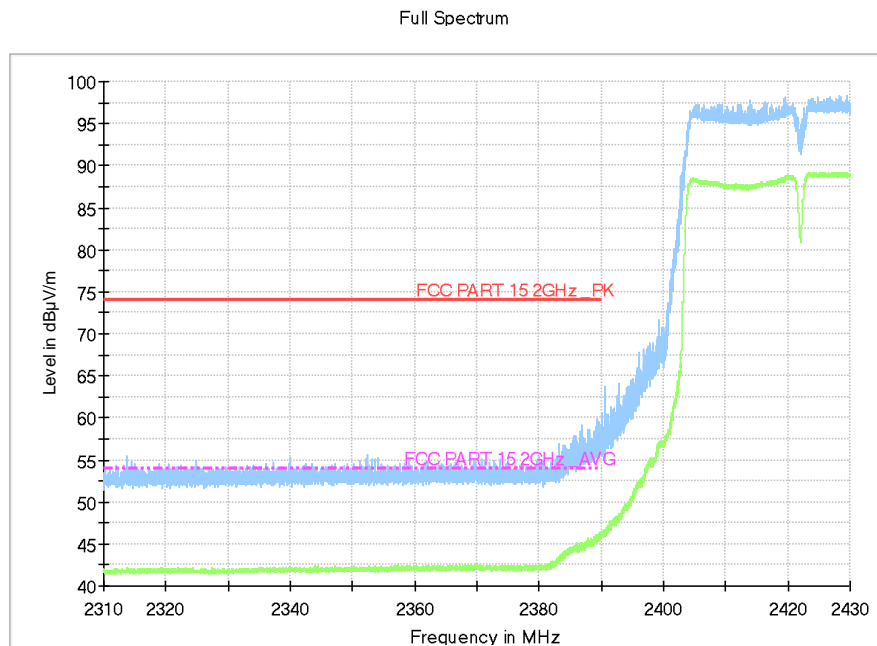
**Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz**



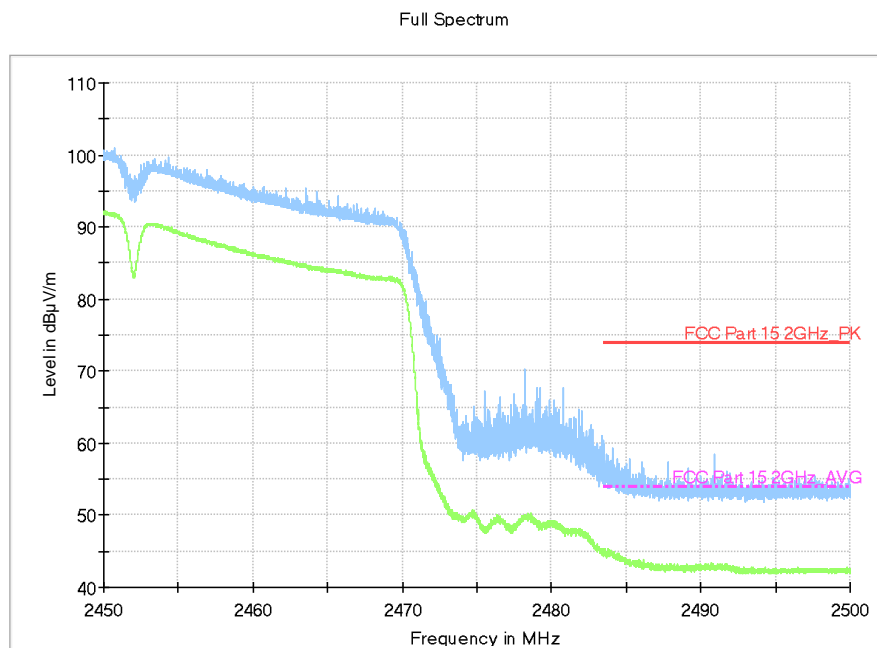
**Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.31 GHz - 2.45GHz**



**Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz**



**Fig.A.6.2.7 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT40, ch3, 2.31 GHz - 2.45GHz**



**Fig.A.6.2.8 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz**

## **A.7. AC Power-line Conducted Emission**

### **Method of Measurement: See ANSI C63.10-2013-clause 6.2**

- 1 The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.
- 2 If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.
- 3 The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.
- 4 If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.
- 5 If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.<sup>36</sup> Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

### **Test Condition:**

<b>Voltage (V)</b>	<b>Frequency (Hz)</b>
120	60



**Measurement Result and limit:**

Set.1

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		802.11b	Idle	
0.15 to 0.5	66 to 56	Fig.A.7.1	Fig.A.7.2	<b>P</b>
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

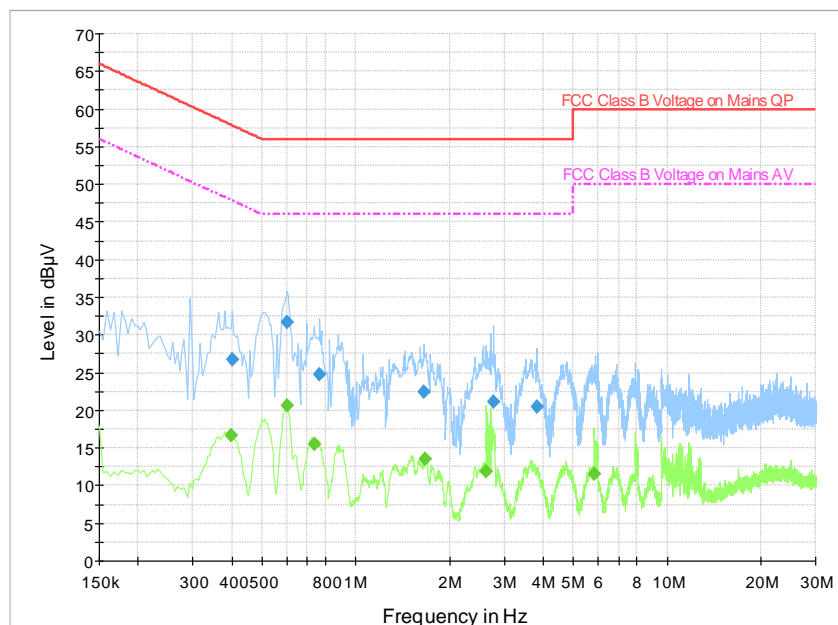
WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		802.11b	Idle	
0.15 to 0.5	56 to 46	Fig.A.7.1	Fig.A.7.2	<b>P</b>
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

**Conclusion: Pass**

Test graphs as below:


**Fig.A.7.1 AC Powerline Conducted Emission-802.11b**

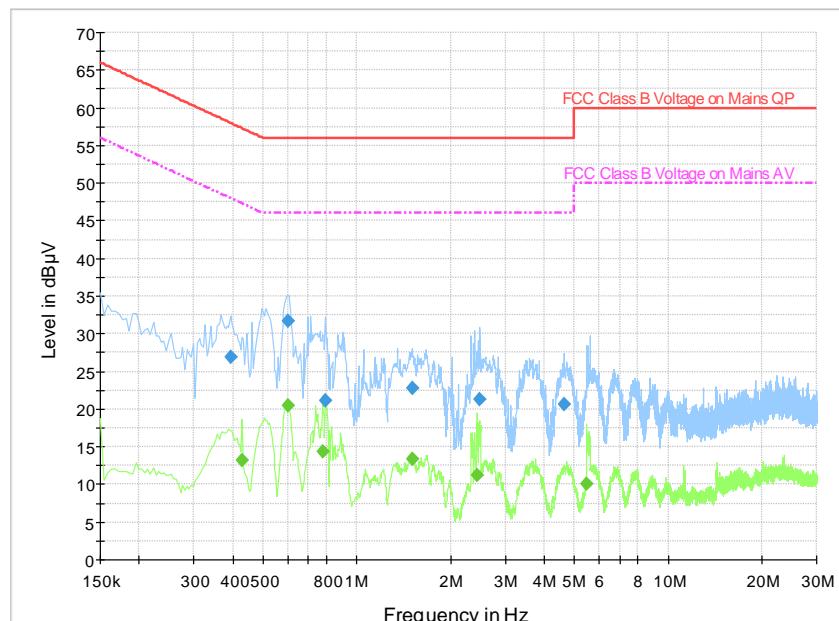
Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.402000	26.7	N	19.9	31.1	57.8
0.600000	31.7	N	20.0	24.3	56.0
0.766500	24.8	N	20.0	31.2	56.0
1.657500	22.4	N	19.9	33.6	56.0
2.778000	21.1	N	20.1	34.9	56.0
3.822000	20.5	L1	20.5	35.5	56.0

### Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.397500	16.6	L1	20.1	31.3	47.9
0.600000	20.6	L1	20.1	25.4	46.0
0.739500	15.6	N	20.0	30.4	46.0
1.671000	13.5	L1	20.0	32.5	46.0
2.629500	11.9	N	20.0	34.1	46.0
5.842500	11.6	L1	21.1	38.4	50.0



**Fig.A.7.2 AC Powerline Conducted Emission-802.11b**

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.393000	26.9	N	19.9	31.1	58.0
0.600000	31.7	N	20.0	24.3	56.0
0.793500	21.1	L1	20.0	34.9	56.0
1.504500	22.8	L1	19.9	33.2	56.0
2.490000	21.3	L1	20.2	34.7	56.0
4.645500	20.7	L1	20.7	35.3	56.0

### Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.429000	13.2	N	19.9	34.1	47.3
0.600000	20.5	N	20.0	25.5	46.0
0.775500	14.4	L1	20.0	31.6	46.0
1.504500	13.4	L1	19.9	32.6	46.0
2.445000	11.1	L1	20.2	34.9	46.0
5.469000	10.0	N	20.8	40.0	50.0

## ANNEX B: Accreditation Certificate

<p>United States Department of Commerce National Institute of Standards and Technology</p> 	
<hr/> <p><b>Certificate of Accreditation to ISO/IEC 17025:2005</b></p> <hr/>	
<p>NVLAP LAB CODE: 600118-0</p>	
<p><b>Telecommunication Technology Labs, CAICT</b> Beijing China</p>	
<p><i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i></p>	
<p><b>Electromagnetic Compatibility &amp; Telecommunications</b></p>	
<p><i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i></p>	
<hr/> <p>2019-09-26 through 2020-09-30 <i>Effective Dates</i></p>	 <hr/> <p><i>[Signature]</i> For the National Voluntary Laboratory Accreditation Program</p>

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