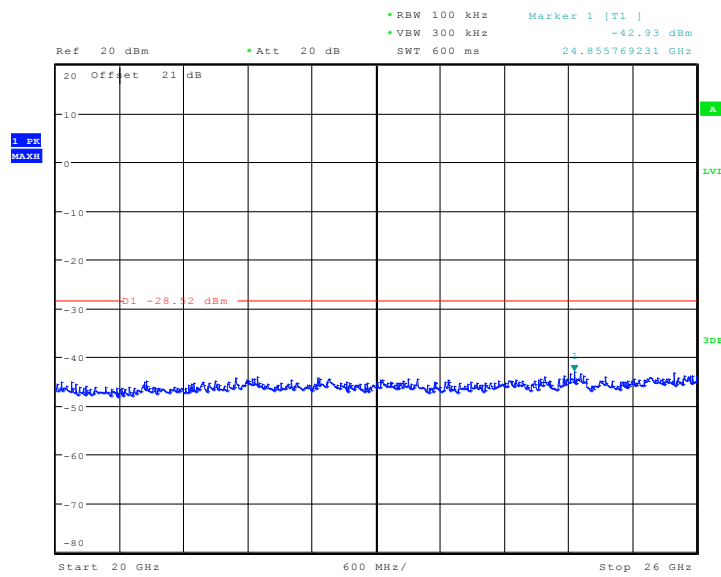


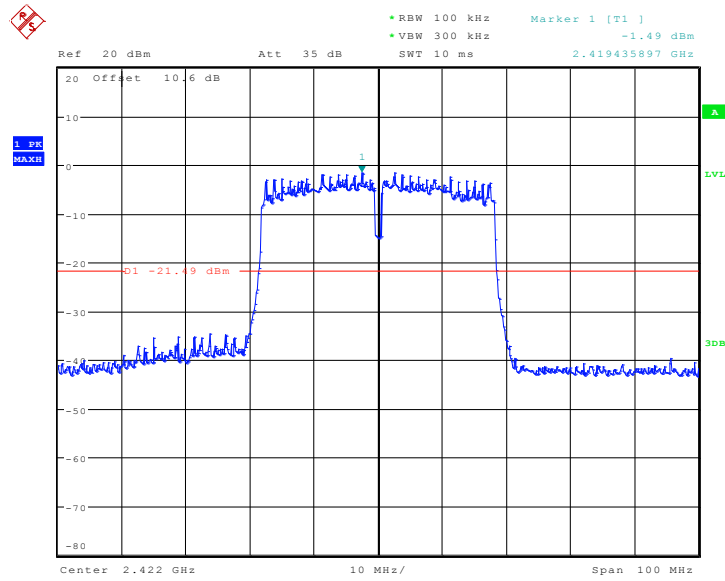
Date: 25.DEC.2013 13:35:37

**Fig.A.6.1.119 Conducted Spurious Emission (802.11n-HT20, Ch13, 15 GHz-20 GHz)**



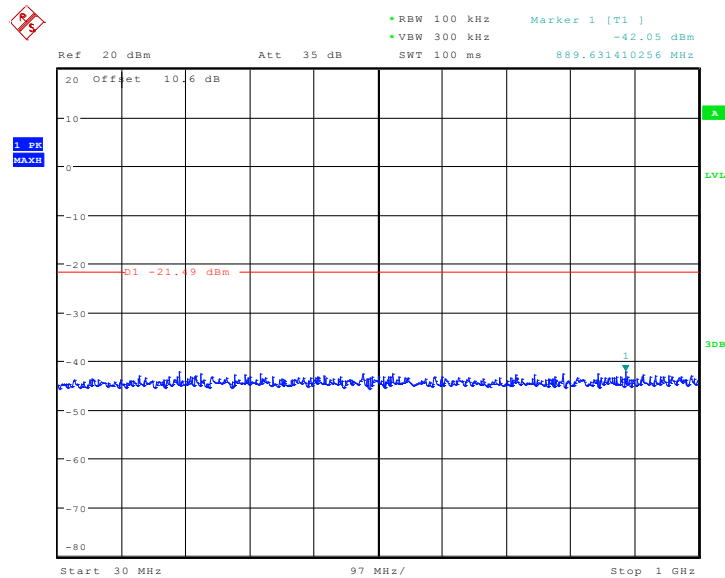
Date: 25.DEC.2013 13:36:01

**Fig.A.6.1.120 Conducted Spurious Emission (802.11n-HT20, Ch13, 20 GHz-26 GHz)**



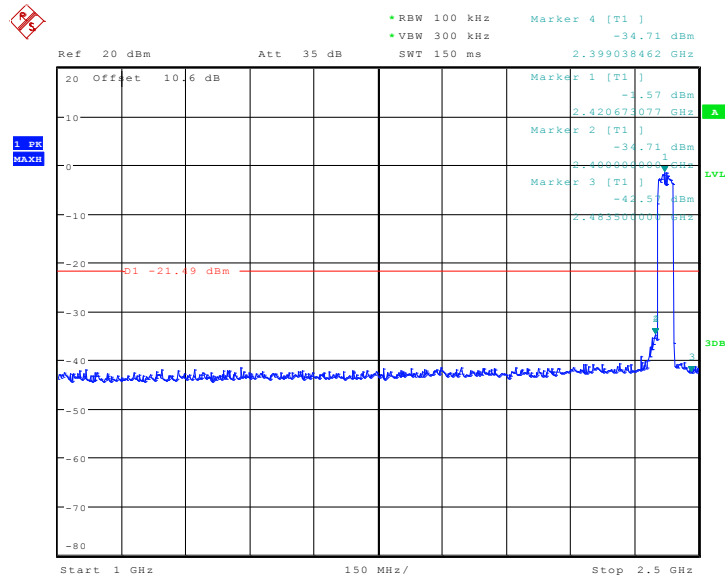
Date: 19..JUL..2013 13:59:45

**Fig.A.6.1.121 Conducted Spurious Emission (802.11n-HT40, Ch3, Center Frequency)**



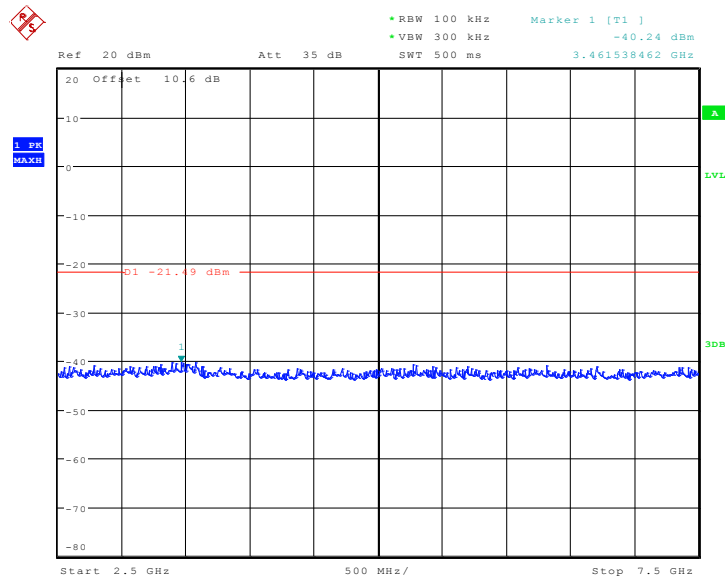
Date: 19..JUL..2013 14:00:08

**Fig.A.6.1.122 Conducted Spurious Emission (802.11n-HT40, Ch3, 30 MHz-1 GHz)**



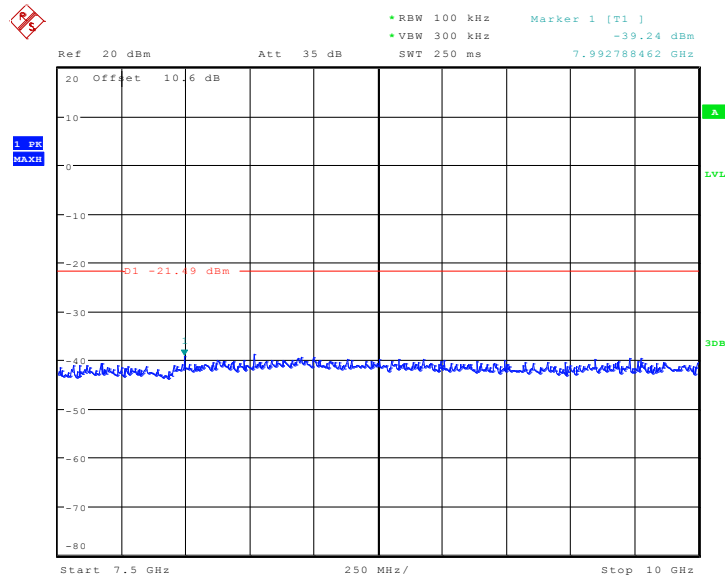
Date: 19..JUL..2013 14:02:36

**Fig.A.6.1.123 Conducted Spurious Emission (802.11n-HT40, Ch3, 1 GHz-2.5 GHz)**



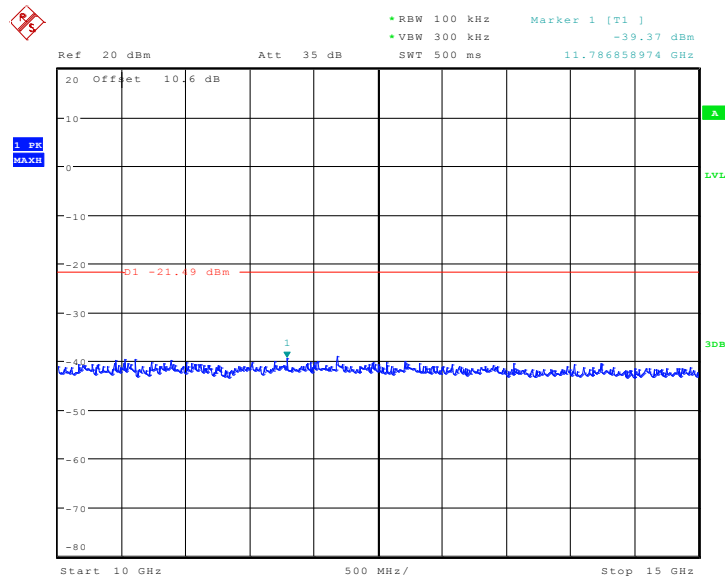
Date: 19..JUL..2013 14:03:11

**Fig.A.6.1.124 Conducted Spurious Emission (802.11n-HT40, Ch3, 2.5 GHz-7.5 GHz)**



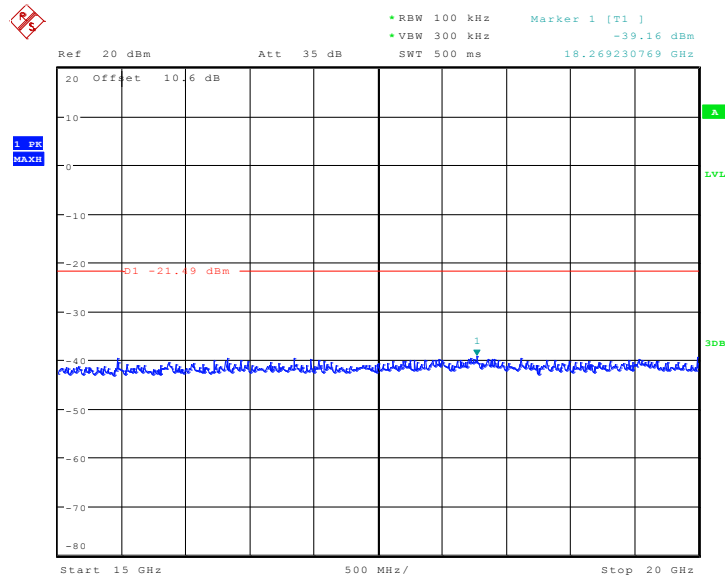
Date: 19..JUL.2013 14:03:38

**Fig.A.6.1.125 Conducted Spurious Emission (802.11n-HT40, Ch3, 7.5 GHz-10 GHz)**



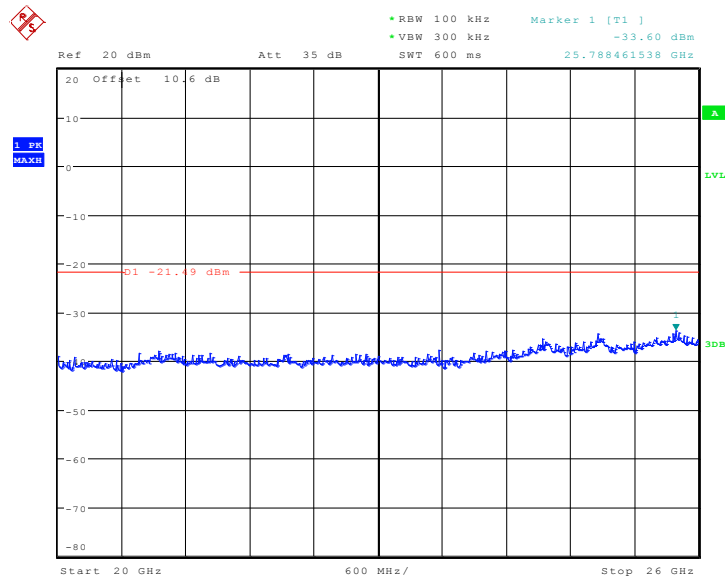
Date: 19..JUL.2013 14:04:06

**Fig.A.6.1.126 Conducted Spurious Emission (802.11n-HT40, Ch3, 10 GHz-15 GHz)**



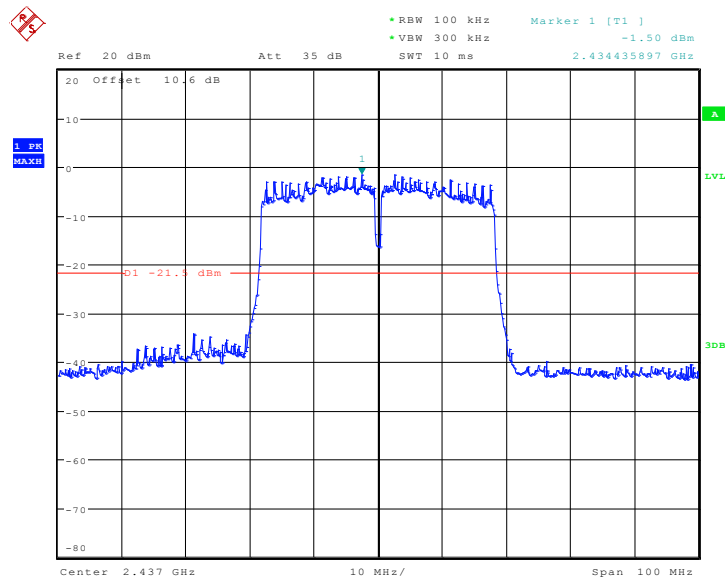
Date: 19..JUL..2013 14:04:31

**Fig.A.6.1.127 Conducted Spurious Emission (802.11n-HT40, Ch3, 15 GHz-20 GHz)**



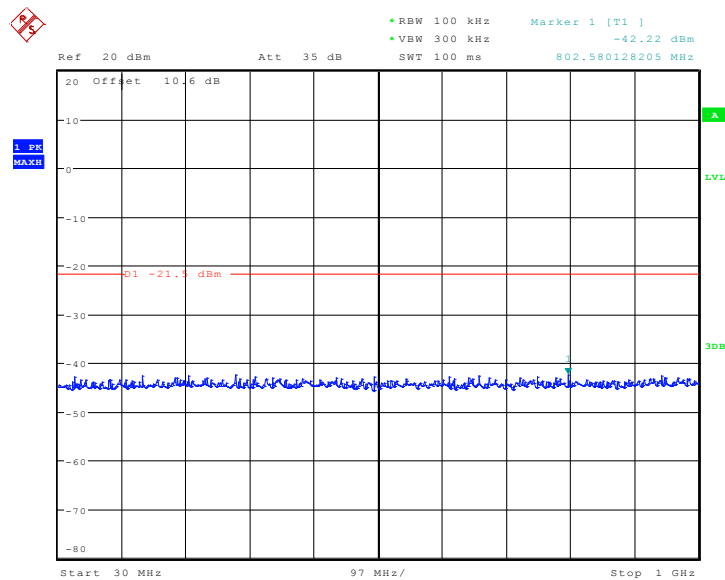
Date: 19..JUL..2013 14:05:02

**Fig.A.6.1.128 Conducted Spurious Emission (802.11n-HT40, Ch3, 20 GHz-26 GHz)**



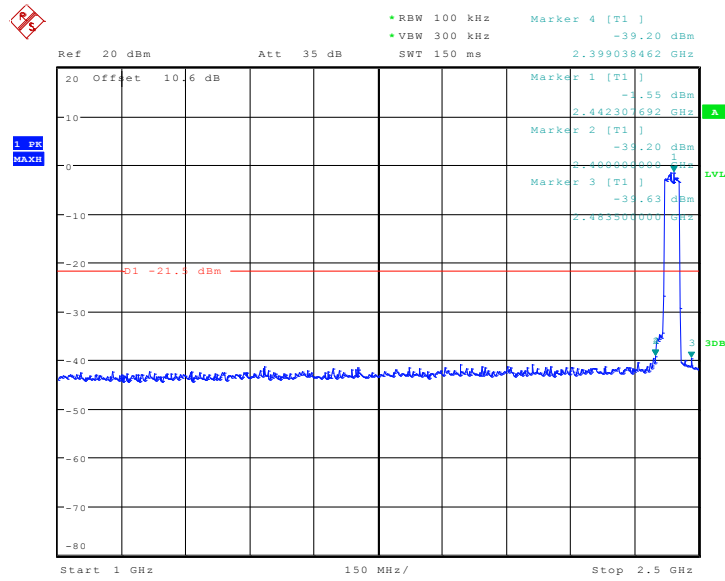
Date: 19..JUL.2013 14:06:15

**Fig.A.6.1.129 Conducted Spurious Emission (802.11n-HT40, Ch6, Center Frequency)**



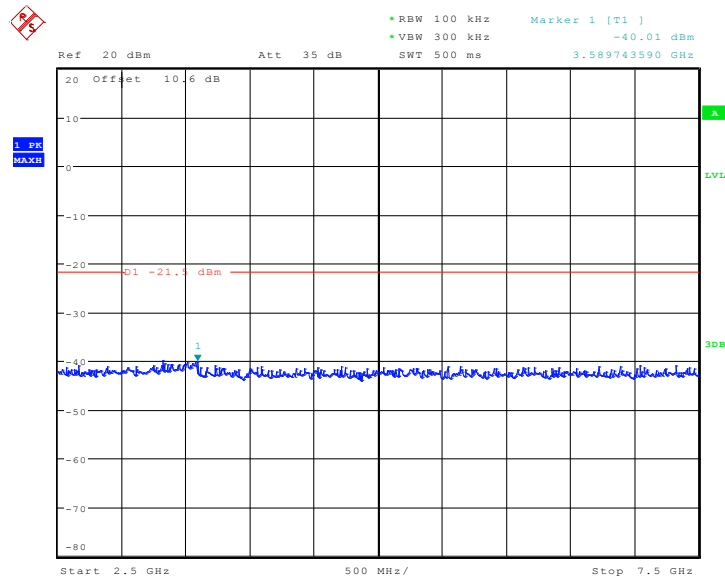
Date: 19..JUL.2013 14:06:42

**Fig.A.6.1.130 Conducted Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)**



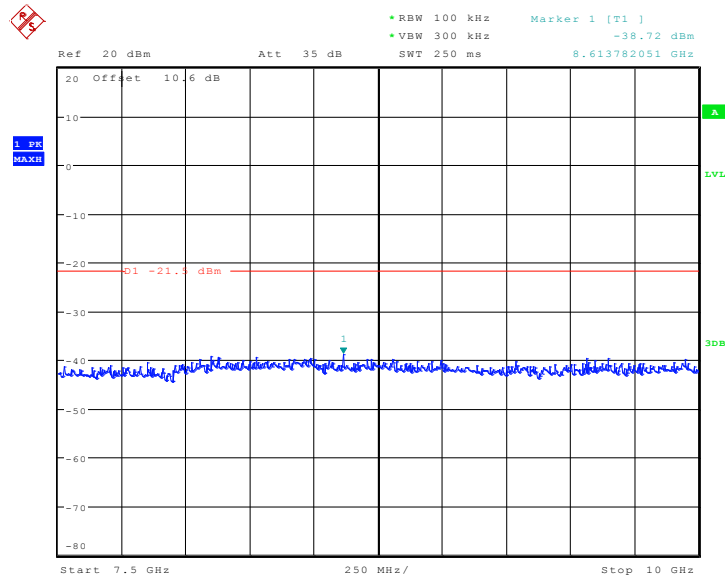
Date: 19..JUL.2013 14:08:13

**Fig.A.6.1.131 Conducted Spurious Emission (802.11n-HT40, Ch6, 1 GHz-2.5 GHz)**



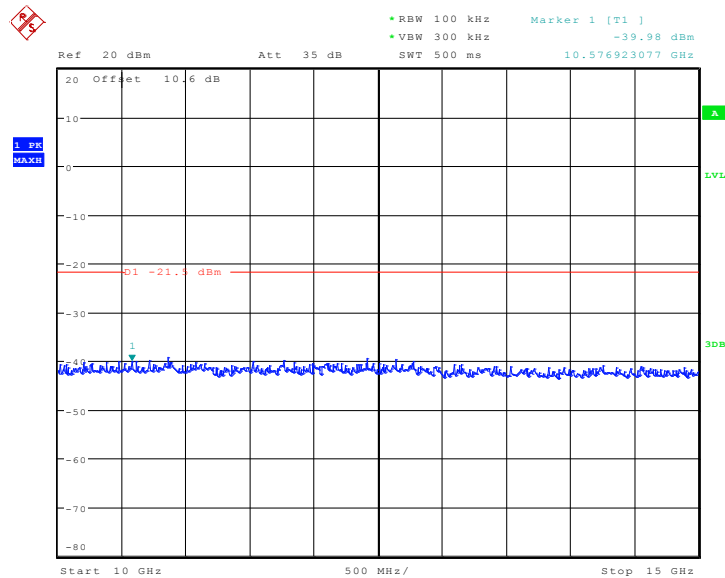
Date: 19..JUL.2013 14:08:53

**Fig.A.6.1.132 Conducted Spurious Emission (802.11n-HT40, Ch6, 2.5 GHz-7.5 GHz)**



Date: 19..JUL..2013 14:09:18

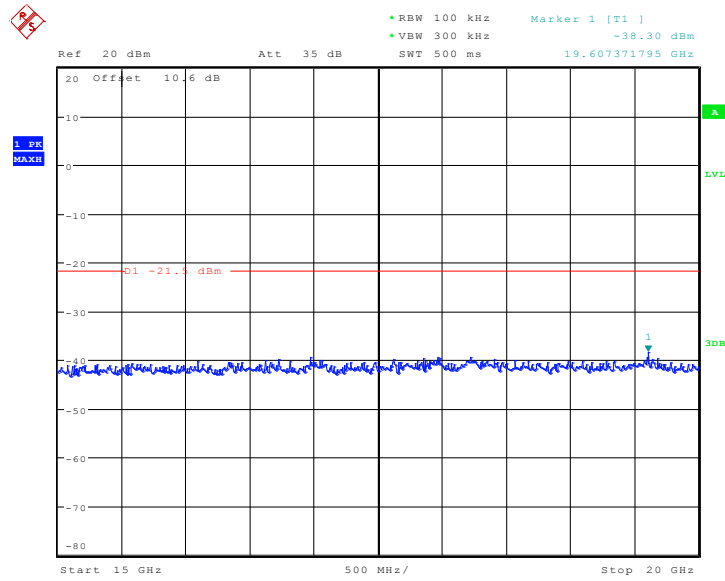
**Fig.A.6.1.133 Conducted Spurious Emission (802.11n-HT40, Ch6, 7.5 GHz-10 GHz)**



Date: 19..JUL..2013 14:09:38

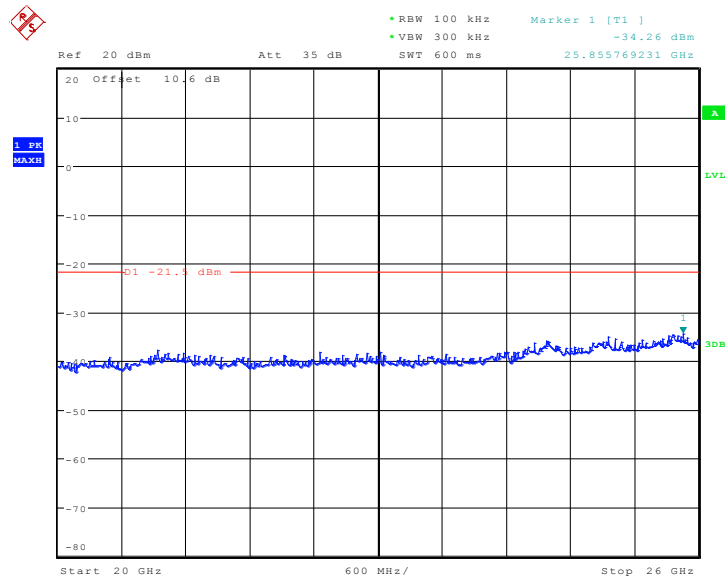
**Fig.A.6.1.134 Conducted Spurious Emission (802.11n-HT40, Ch6, 10 GHz-15 GHz)**





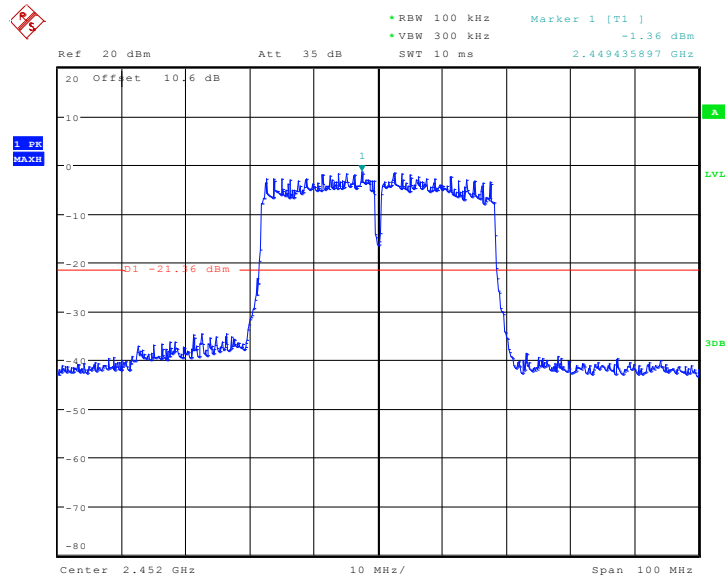
Date: 19..JUL.2013 14:10:07

**Fig.A.6.1.135 Conducted Spurious Emission (802.11n-HT40, Ch6, 15 GHz-20 GHz)**



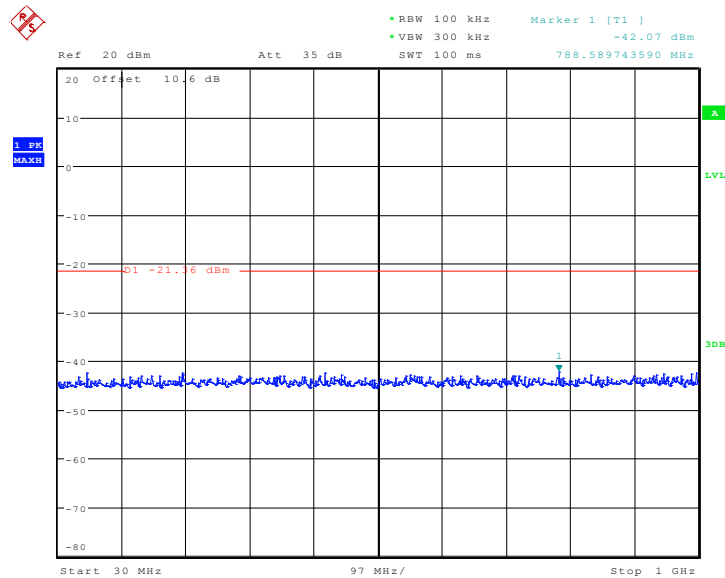
Date: 19..JUL.2013 14:10:32

**Fig.A.6.1.136 Conducted Spurious Emission (802.11n-HT40, Ch6, 20 GHz-26 GHz)**



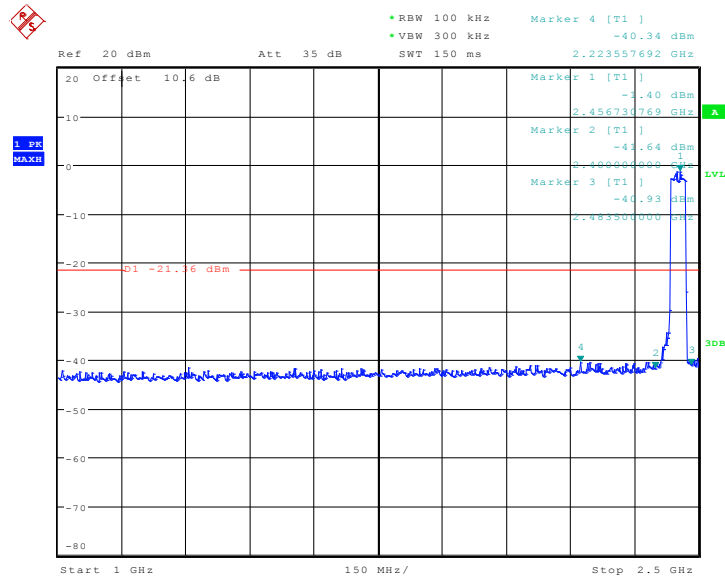
Date: 19..JUL.2013 14:12:07

**Fig.A.6.1.137 Conducted Spurious Emission (802.11n-HT40, Ch9, Center Frequency)**



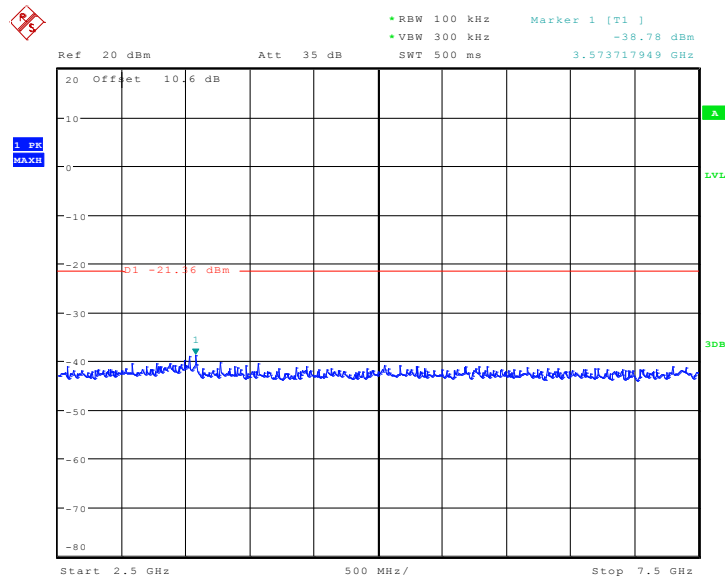
Date: 19..JUL.2013 14:12:27

**Fig.A.6.1.138 Conducted Spurious Emission (802.11n-HT40, Ch9, 30 MHz-1 GHz)**



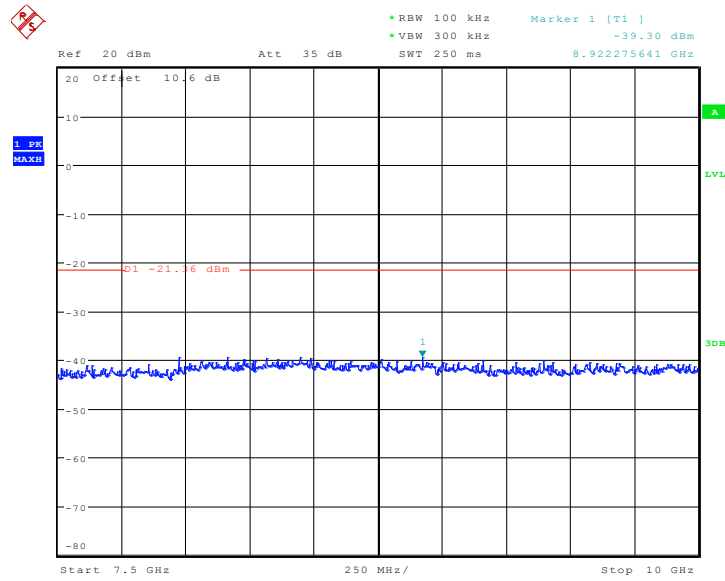
Date: 19..JUL..2013 14:14:01

**Fig.A.6.1.139 Conducted Spurious Emission (802.11n-HT40, Ch9, 1 GHz-2.5 GHz)**



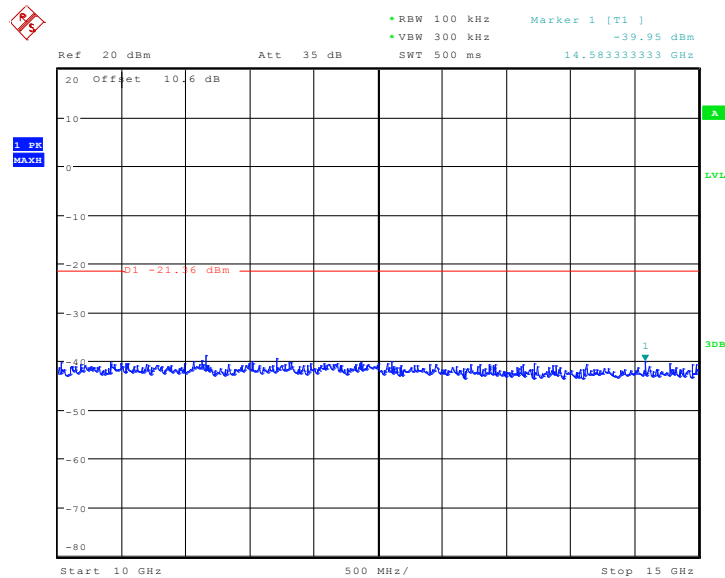
Date: 19..JUL..2013 14:14:33

**Fig.A.6.1.140 Conducted Spurious Emission (802.11n-HT40, Ch9, 2.5 GHz-7.5 GHz)**



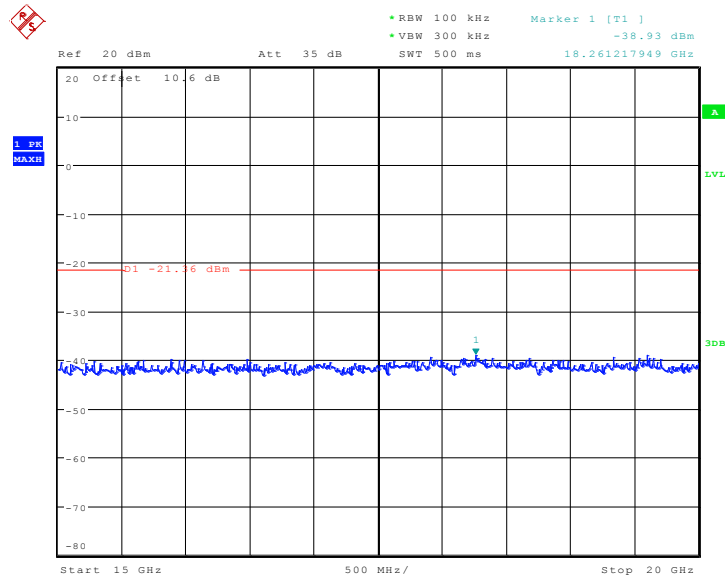
Date: 19..JUL.2013 14:15:00

**Fig.A.6.1.141 Conducted Spurious Emission (802.11n-HT40, Ch9, 7.5 GHz-10 GHz)**



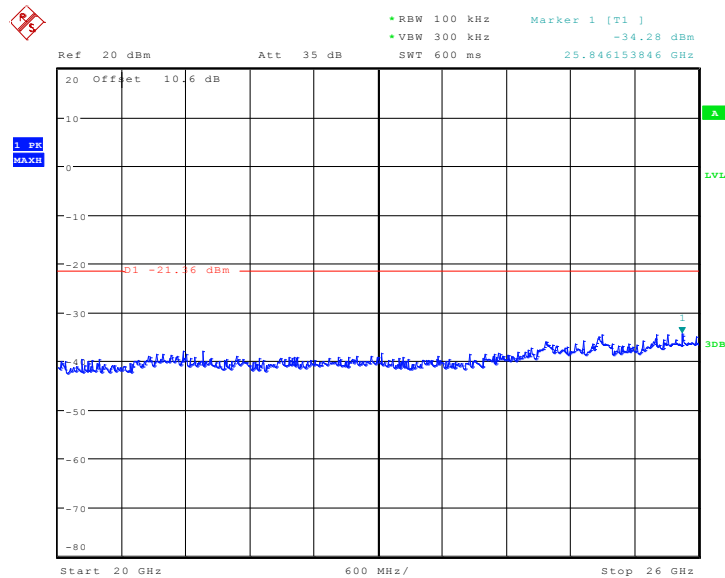
Date: 19..JUL.2013 14:15:21

**Fig.A.6.1.142 Conducted Spurious Emission (802.11n-HT40, Ch9, 10 GHz-15 GHz)**



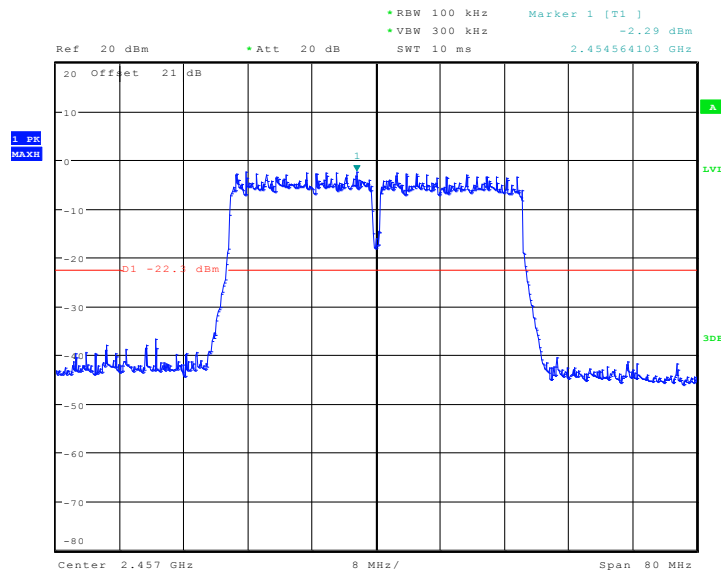
Date: 19..JUL.2013 14:15:40

**Fig.A.6.1.143 Conducted Spurious Emission (802.11n-HT40, Ch9, 15 GHz-20 GHz)**



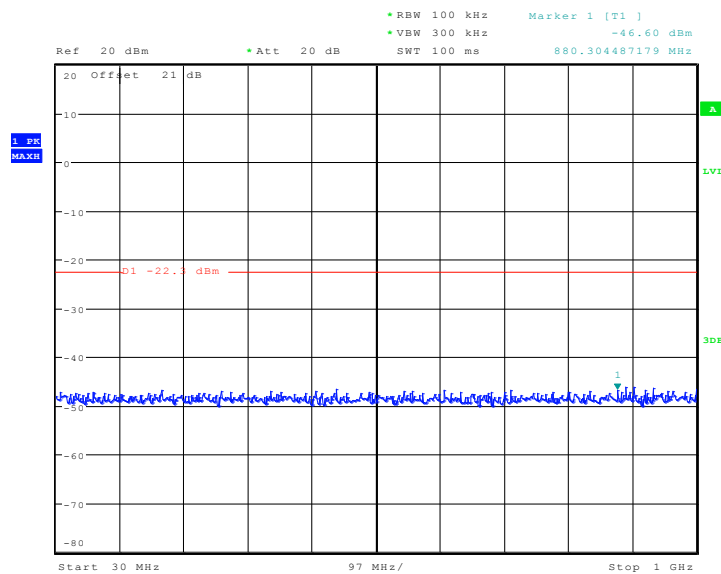
Date: 19..JUL.2013 14:16:01

**Fig.A.6.1.144 Conducted Spurious Emission (802.11n-HT40, Ch9, 20 GHz-26 GHz)**



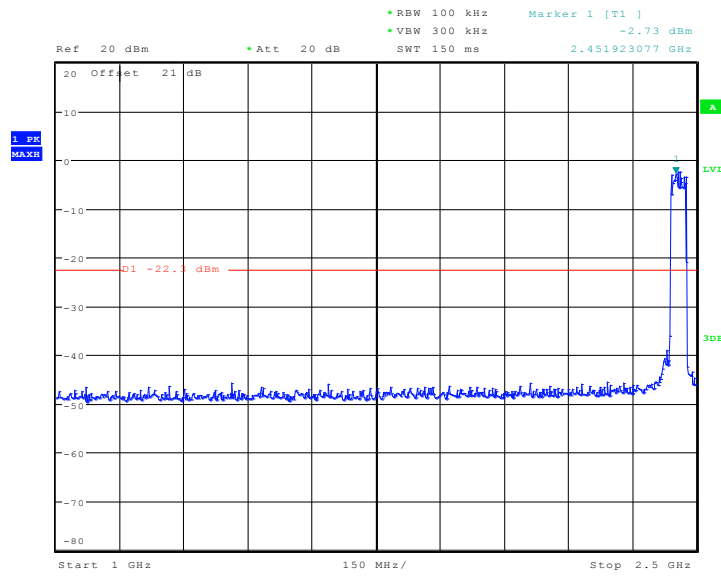
Date: 25.DEC.2013 13:37:14

**Fig.A.6.1.145 Conducted Spurious Emission (802.11n-HT40, Ch10, Center Frequency)**



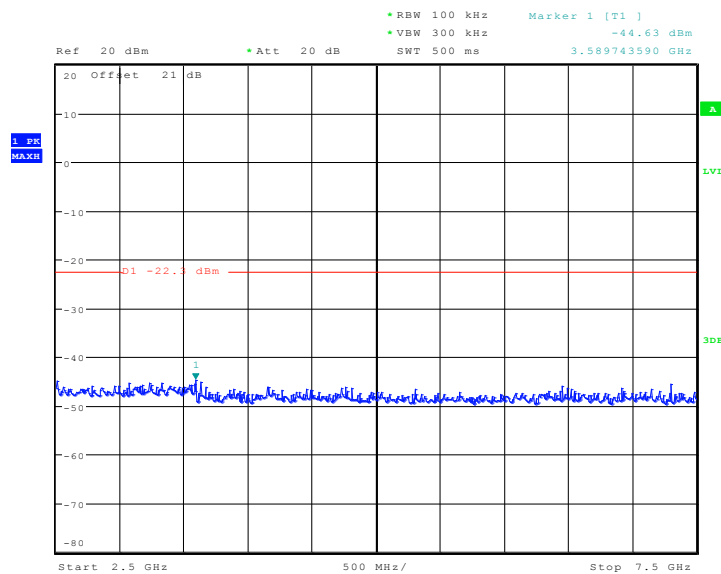
Date: 25.DEC.2013 13:37:27

**Fig.A.6.1.146 Conducted Spurious Emission (802.11n-HT40, Ch10, 30 MHz-1 GHz)**



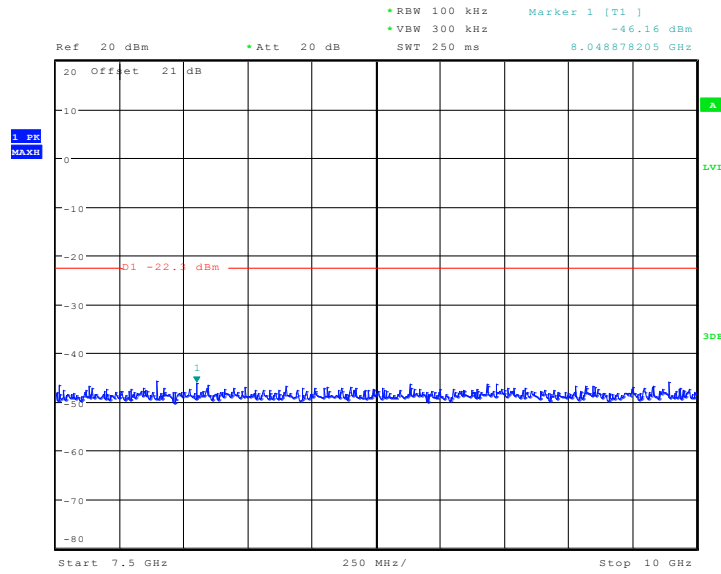
Date: 25.DEC.2013 13:37:39

**Fig.A.6.1.147 Conducted Spurious Emission (802.11n-HT40, Ch10, 1 GHz-2.5 GHz)**



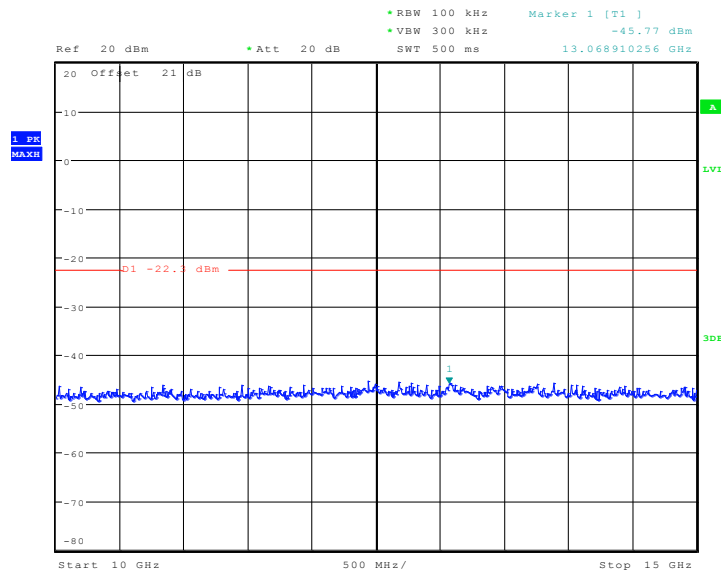
Date: 25.DEC.2013 13:37:53

**Fig.A.6.1.148 Conducted Spurious Emission (802.11n-HT40, Ch10, 2.5 GHz-7.5 GHz)**



Date: 25.DEC.2013 13:38:06

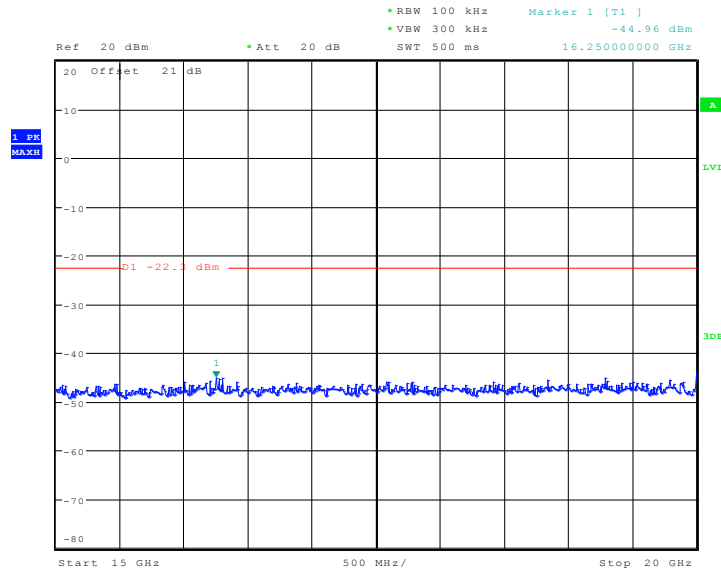
**Fig.A.6.1.149 Conducted Spurious Emission (802.11n-HT40, C10, 7.5 GHz-10 GHz)**



Date: 25.DEC.2013 13:38:20

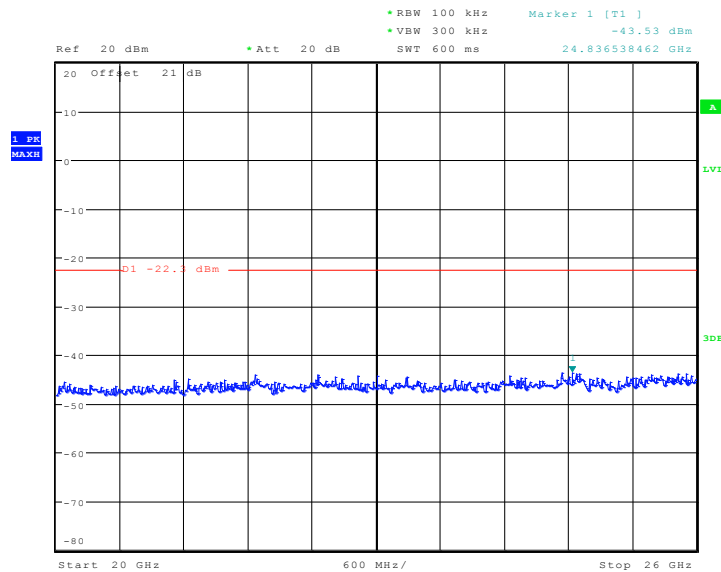
**Fig.A.6.1.150 Conducted Spurious Emission (802.11n-HT40, Ch10, 10 GHz-15 GHz)**





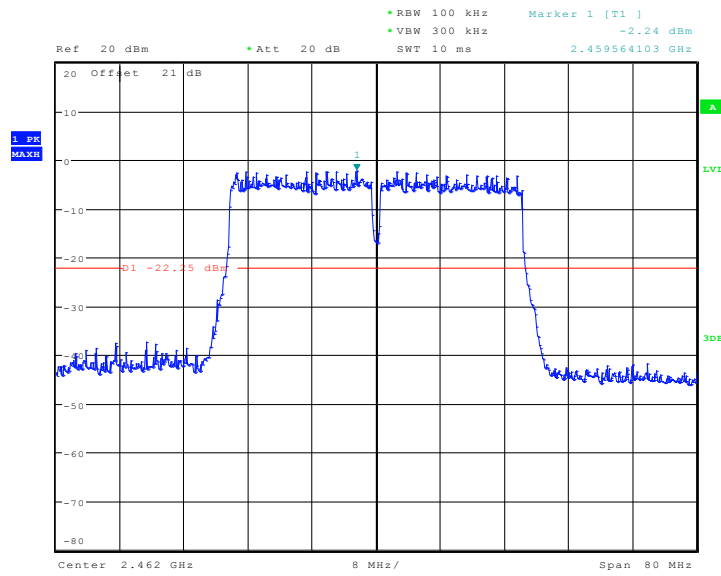
Date: 25.DEC.2013 13:38:33

**Fig.A.6.1.151 Conducted Spurious Emission (802.11n-HT40, Ch10, 15 GHz-20 GHz)**



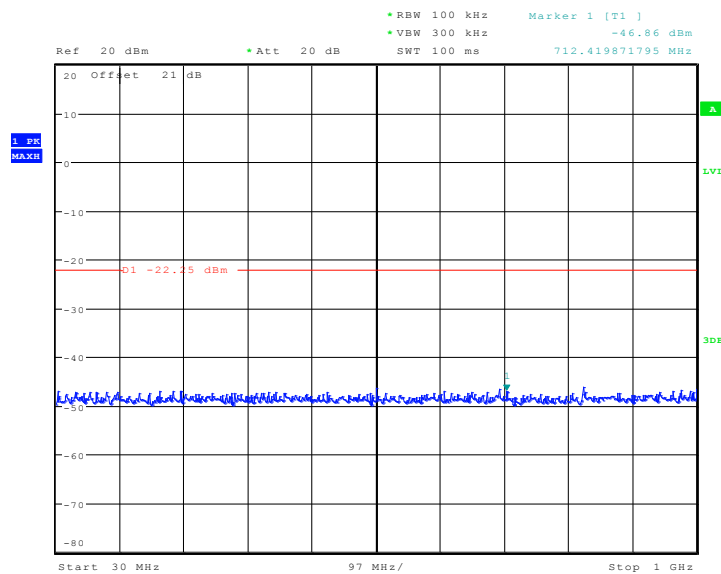
Date: 25.DEC.2013 13:38:49

**Fig.A.6.1.152 Conducted Spurious Emission (802.11n-HT40, Ch10, 20 GHz-26 GHz)**



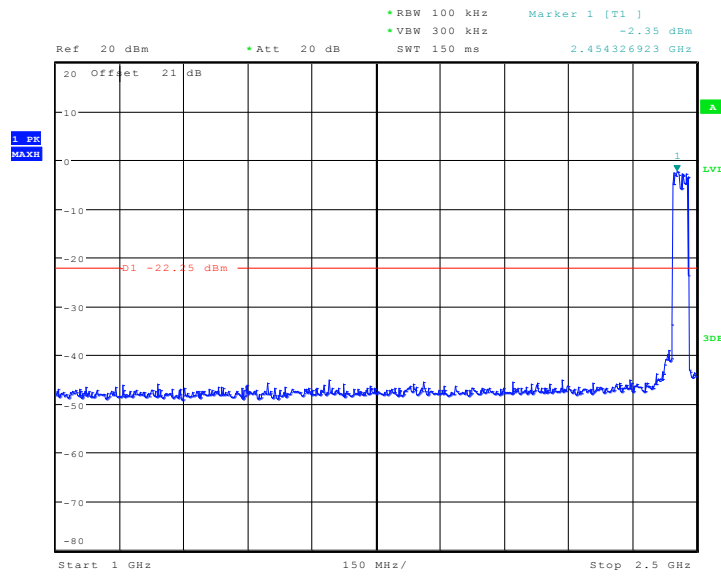
Date: 25.DEC.2013 13:40:05

**Fig.A.6.1.153 Conducted Spurious Emission (802.11n-HT40, Ch11, Center Frequency)**



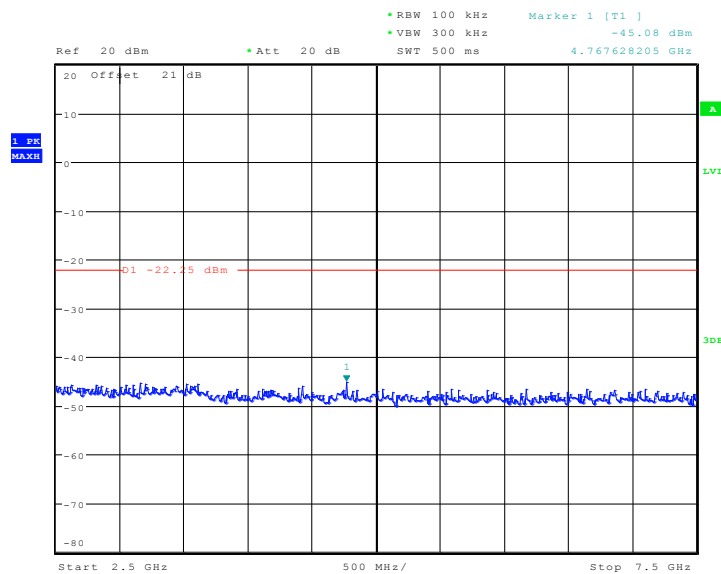
Date: 25.DEC.2013 13:40:21

**Fig.A.6.1.154 Conducted Spurious Emission (802.11n-HT40, Ch11, 30 MHz-1 GHz)**



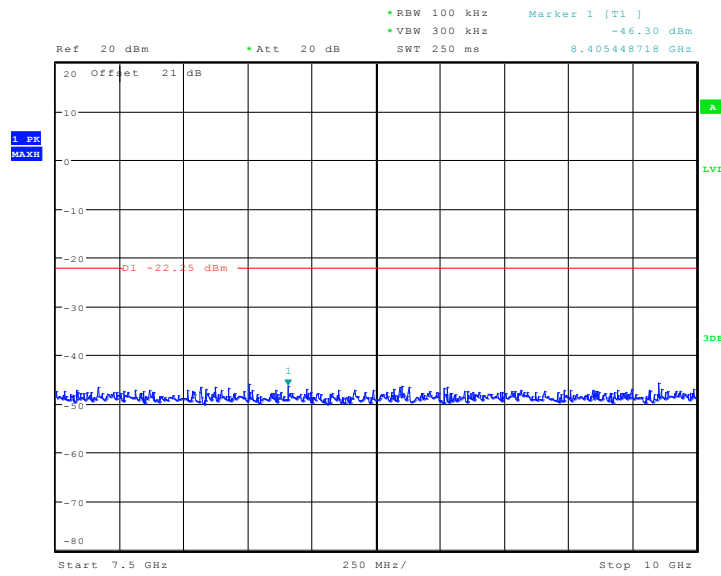
Date: 25.DEC.2013 13:40:43

**Fig.A.6.1.155 Conducted Spurious Emission (802.11n-HT40, Ch11, 1 GHz-2.5 GHz)**



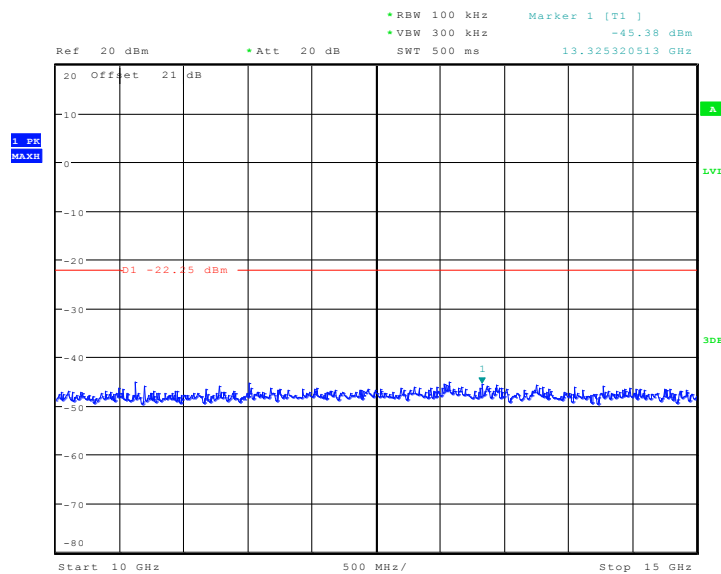
Date: 25.DEC.2013 13:41:08

**Fig.A.6.1.156 Conducted Spurious Emission (802.11n-HT40, Ch11, 2.5 GHz-7.5 GHz)**



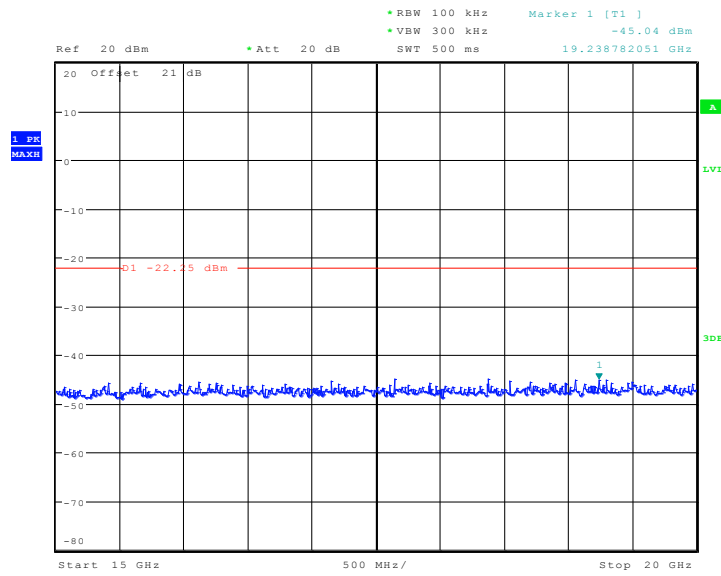
Date: 25.DEC.2013 13:41:21

**Fig.A.6.1.157 Conducted Spurious Emission (802.11n-HT40, C11, 7.5 GHz-10 GHz)**



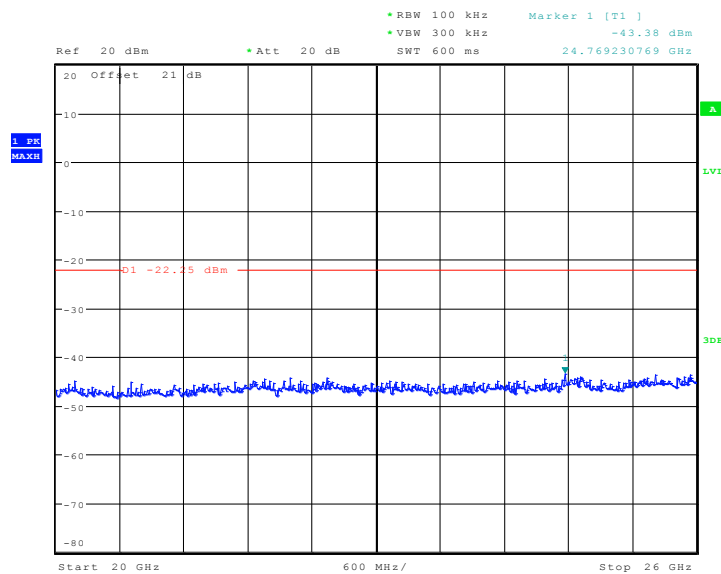
Date: 25.DEC.2013 13:41:35

**Fig.A.6.1.158 Conducted Spurious Emission (802.11n-HT40, Ch11, 10 GHz-15 GHz)**



Date: 25.DEC.2013 13:41:49

**Fig.A.6.1.159 Conducted Spurious Emission (802.11n-HT40, Ch11, 15 GHz-20 GHz)**



Date: 25.DEC.2013 13:42:04

**Fig.A.6.1.160 Conducted Spurious Emission (802.11n-HT40, Ch11, 20 GHz-26 GHz)**

### A.6.2 Transmitter Spurious Emission - Radiated

#### 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)).

The measurement is made according to KDB558074.

#### 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

#### 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/1MHz	15
4000-18000	1MHz/1MHz	40
18000-26500	1MHz/1MHz	20

#### EUT ID:EUT1

#### Modulation type and data rate tested:

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	24Mbps(OFDM)	MCS5(OFDM)	MCS5(OFDM)

**Measurement Results:**

**802.11b/g mode**

Mode	Channel	Frequency Range	Test Results	Conclusion	
802.11b	Power	2.38GHz ~2.45GHz	Fig.A.6.2.1	<b>P</b>	
	1	30 MHz ~1 GHz	Fig.A.6.2.2	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.3	<b>P</b>	
		3 GHz ~ 18 GHz	Fig.A.6.2.4	<b>P</b>	
	6	30 MHz ~1 GHz	Fig.A.6.2.5	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.6	<b>P</b>	
		3 GHz ~ 18 GHz	Fig.A.6.2.7	<b>P</b>	
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.8	<b>P</b>	
	11	30 MHz ~1 GHz	Fig.A.6.2.9	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.10	<b>P</b>	
		3 GHz ~ 18 GHz	Fig.A.6.2.11	<b>P</b>	
	12	30 MHz ~1 GHz	Fig.A.6.2.12	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.13	<b>P</b>	
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.14	<b>P</b>	
	13	30 MHz ~1 GHz	Fig.A.6.2.15	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.16	<b>P</b>	
	802.11g	Power	2.38GHz ~2.43GHz	Fig.A.6.2.17	<b>P</b>
		1	30 MHz ~1 GHz	Fig.A.6.2.18	<b>P</b>
1 GHz ~ 3 GHz			Fig.A.6.2.19	<b>P</b>	
3 GHz ~ 18 GHz			Fig.A.6.2.20	<b>P</b>	
6		30 MHz ~1 GHz	Fig.A.6.2.21	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.22	<b>P</b>	
		3 GHz ~ 18 GHz	Fig.A.6.2.23	<b>P</b>	
Power		2.45GHz ~2.5GHz	Fig.A.6.2.24	<b>P</b>	
11		30 MHz ~1 GHz	Fig.A.6.2.25	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.26	<b>P</b>	
		3 GHz ~ 18 GHz	Fig.A.6.2.27	<b>P</b>	
12		30 MHz ~1 GHz	Fig.A.6.2.28	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.29	<b>P</b>	
Power		2.45GHz ~2.5GHz	Fig.A.6.2.30	<b>P</b>	
13		30 MHz ~1 GHz	Fig.A.6.2.31	<b>P</b>	
		1 GHz ~ 3 GHz	Fig.A.6.2.32	<b>P</b>	

**802.11n mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.33	<b>P</b>
	1	30 MHz ~1 GHz	Fig.A.6.2.34	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.35	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.36	<b>P</b>
	6	30 MHz ~1 GHz	Fig.A.6.2.37	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.38	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.39	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.40	<b>P</b>
	11	30 MHz ~1 GHz	Fig.A.6.2.41	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.42	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.43	<b>P</b>
	12	30 MHz ~1 GHz	Fig.A.6.2.44	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.45	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.46	<b>P</b>
	13	30 MHz ~1 GHz	Fig.A.6.2.47	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.48	<b>P</b>
802.11n (HT40)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.49	<b>P</b>
	3	30 MHz ~1 GHz	Fig.A.6.2.50	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.51	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.52	<b>P</b>
	6	30 MHz ~1 GHz	Fig.A.6.2.53	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.54	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.55	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.56	<b>P</b>
	9	30 MHz ~1 GHz	Fig.A.6.2.57	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.58	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.59	<b>P</b>
	10	30 MHz ~1 GHz	Fig.A.6.2.60	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.61	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.62	<b>P</b>
	11	30 MHz ~1 GHz	Fig.A.6.2.63	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.64	<b>P</b>
/	All channels	18 GHz~ 26.5 GHz	Fig.A.6.2.65	<b>P</b>

**Conclusion: Pass**
**Measurement Uncertainty:**

Frequency Range	Uncertainty(dB)
f ≤ 1GHz	3.9
f > 1GHz	4.3



**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:

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

**802.11b**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	$P_{Mea}$ (dBuV/m)	Polarization
17501.250	54.9	-22.8	42.8	34.915	VERTICAL
17577.750	54.2	-22.8	42.7	34.275	VERTICAL
17547.000	54.1	-22.8	42.9	33.955	HORIZONTAL
17436.750	53.9	-23.7	42.7	34.883	VERTICAL
17729.250	53.9	-22.8	42.1	34.661	VERTICAL
17654.250	53.8	-22.8	42.7	33.971	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	$P_{Mea}$ (dBuV/m)	Polarization
17697.750	54.1	-22.8	42.3	34.601	HORIZONTAL
17461.500	54.1	-22.8	42.6	34.285	HORIZONTAL
17781.750	53.9	-22.8	42.0	34.791	HORIZONTAL
17657.250	53.9	-22.8	42.7	34.071	HORIZONTAL
17442.000	53.9	-23.7	42.7	34.883	HORIZONTAL
17451.750	53.8	-23.7	42.6	34.923	HORIZONTAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	$P_{Mea}$ (dBuV/m)	Polarization
17580.750	54.2	-22.8	42.7	34.275	HORIZONTAL
17492.250	54.1	-22.8	43.0	33.845	HORIZONTAL
17712.750	54.1	-22.8	42.8	34.111	HORIZONTAL
17812.500	54.1	-22.9	42.9	34.043	HORIZONTAL
17449.500	53.9	-23.7	42.7	34.883	HORIZONTAL
17445.000	53.8	-23.7	42.7	34.783	HORIZONTAL

**802.11g**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17432.250	54.5	-23.7	42.7	35.483	HORIZONTAL
17691.000	53.8	-22.8	42.3	34.301	HORIZONTAL
16959.000	53.7	-23.9	43.5	34.050	VERTICAL
17460.000	53.7	-22.8	42.6	33.885	VERTICAL
17545.500	53.7	-22.8	42.9	33.555	VERTICAL
17910.000	53.6	-22.9	42.7	33.833	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17495.250	54.3	-22.8	43.0	34.045	HORIZONTAL
16985.250	54.1	-23.9	43.2	34.820	HORIZONTAL
17465.250	53.9	-22.8	42.6	34.085	VERTICAL
16626.000	53.9	-23.9	43.1	34.798	HORIZONTAL
17523.750	53.8	-22.8	42.8	33.815	HORIZONTAL
17481.750	53.7	-22.8	43.0	33.445	HORIZONTAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17462.250	54.4	-22.8	42.6	34.585	HORIZONTAL
17716.500	54.4	-22.8	42.8	34.411	VERTICAL
17718.000	54.3	-22.8	42.8	34.311	VERTICAL
17493.000	54.1	-22.8	43.0	33.845	VERTICAL
17469.000	54.1	-22.8	42.6	34.285	HORIZONTAL
17748.000	54.1	-22.8	42.1	34.861	HORIZONTAL

**802.11n-HT20**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17793.000	54.8	-22.8	42.0	35.691	HORIZONTAL
17012.250	54.5	-23.9	43.2	35.200	VERTICAL
17950.500	54.2	-22.9	42.7	34.383	VERTICAL
17731.500	54.1	-22.8	42.1	34.861	HORIZONTAL
17504.250	54.1	-22.8	42.8	34.115	VERTICAL
17404.500	54.0	-23.7	42.7	35.013	VERTICAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17467.500	54.5	-22.8	42.6	34.685	VERTICAL
17274.000	54.3	-23.7	43.2	34.743	VERTICAL
17805.750	53.9	-22.8	42.9	33.801	HORIZONTAL
17457.750	53.9	-23.7	42.6	35.023	VERTICAL
17493.000	53.9	-22.8	43.0	33.645	VERTICAL
17451.000	53.7	-23.7	42.6	34.823	HORIZONTAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17504.250	54.0	-22.8	42.8	34.015	VERTICAL
17241.750	53.9	-23.7	42.8	34.763	HORIZONTAL
17459.250	53.9	-22.8	42.6	34.085	HORIZONTAL
17392.500	53.8	-23.7	42.8	34.723	HORIZONTAL
17780.250	53.8	-22.8	42.0	34.691	VERTICAL
17699.250	53.8	-22.8	42.3	34.301	VERTICAL

**802.11n-HT40**

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17379.000	54.7	-23.7	42.8	35.623	VERTICAL
17447.250	54.2	-23.7	42.7	35.183	HORIZONTAL
17954.250	54.0	-22.9	42.7	34.183	HORIZONTAL
17475.750	54.0	-22.8	43.0	33.745	VERTICAL
17538.000	54.0	-22.8	42.9	33.855	VERTICAL
17992.500	53.9	-22.5	42.3	34.167	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17011.500	54.3	-23.9	43.2	35.000	HORIZONTAL
17202.750	54.0	-23.7	43.0	34.643	VERTICAL
17730.000	53.9	-22.8	42.1	34.661	HORIZONTAL
17629.500	53.9	-22.8	42.7	34.015	HORIZONTAL
17718.750	53.8	-22.8	42.8	33.811	VERTICAL
17733.000	53.7	-22.8	42.1	34.461	HORIZONTAL

Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17540.250	54.5	-22.8	42.9	34.355	VERTICAL
17937.000	54.3	-22.9	42.4	34.793	VERTICAL
16971.750	54.1	-23.9	43.5	34.450	VERTICAL
17520.750	54.1	-22.8	42.8	34.115	VERTICAL
17437.500	53.8	-23.7	42.7	34.783	VERTICAL
17558.250	53.8	-22.8	42.3	34.325	VERTICAL

**Test graphs as below:**

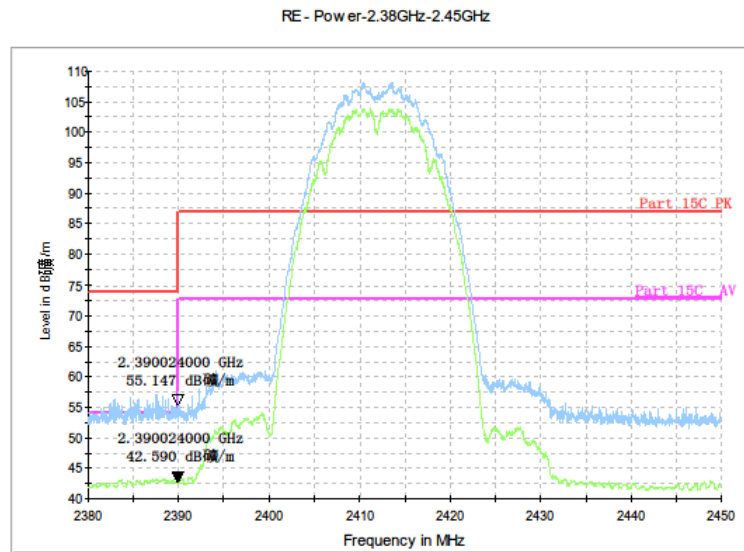


Fig.A.6.2.1 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz – 2.45GHz

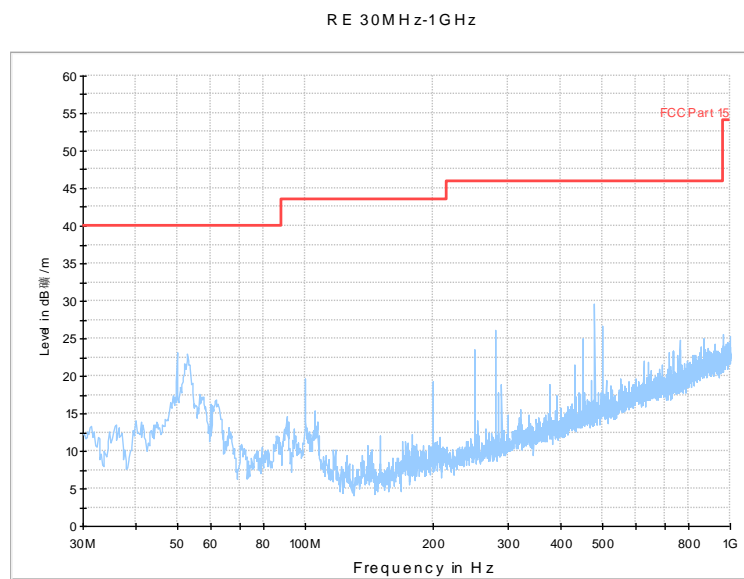
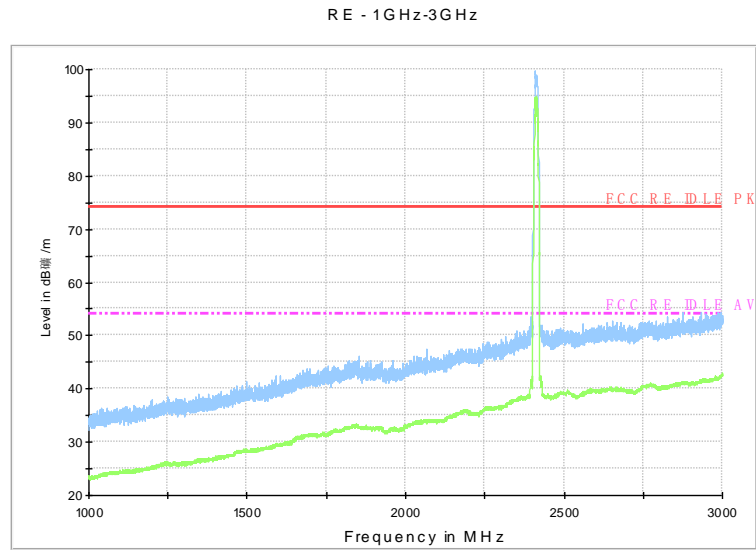
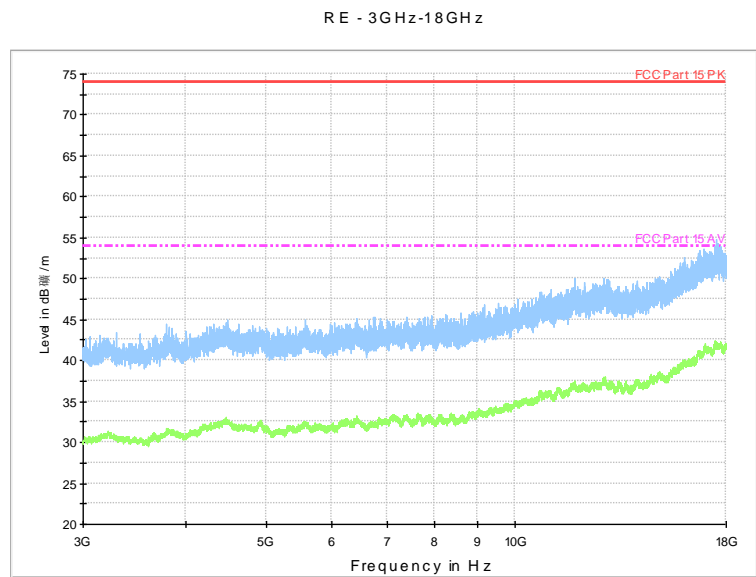


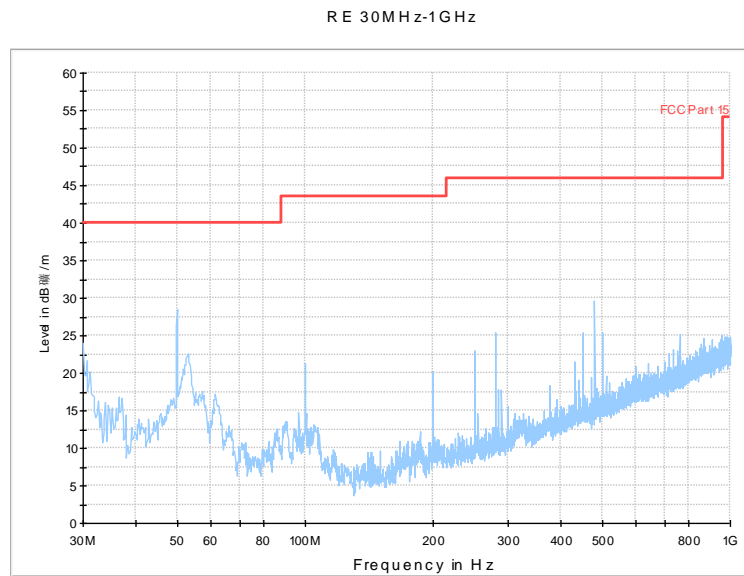
Fig.A.6.2.2 Radiated Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)



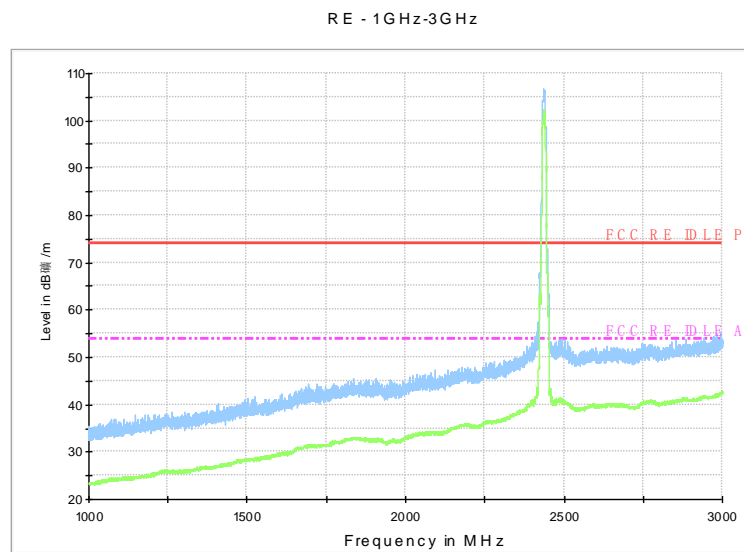
**Fig.A.6.2.3 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)**



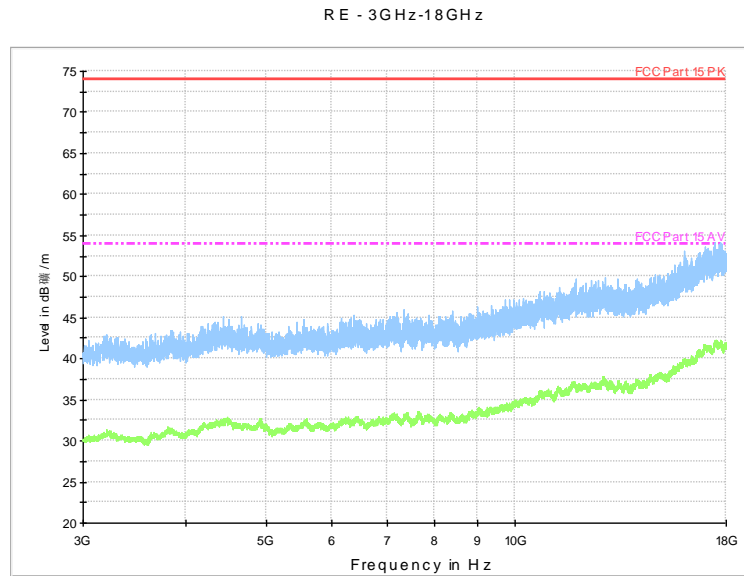
**Fig.A.6.2.4 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)**



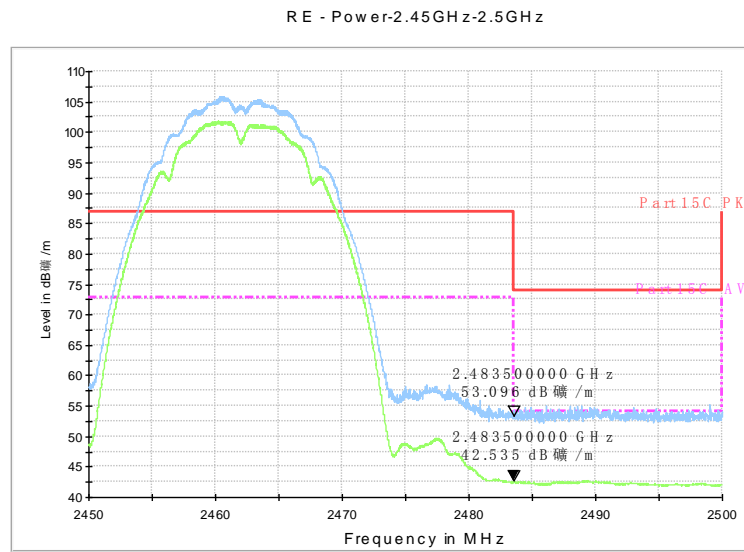
**Fig.A.6.2.5 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)**



**Fig.A.6.2.6 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)**

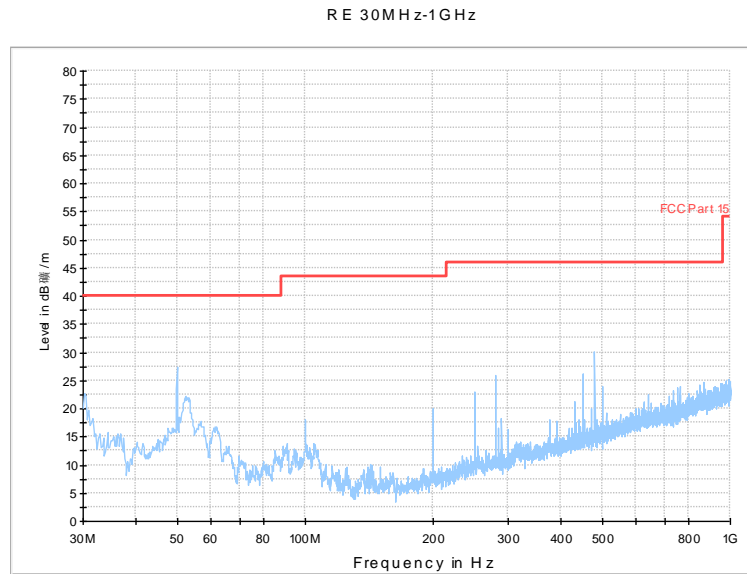


**Fig.A.6.2.7 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)**

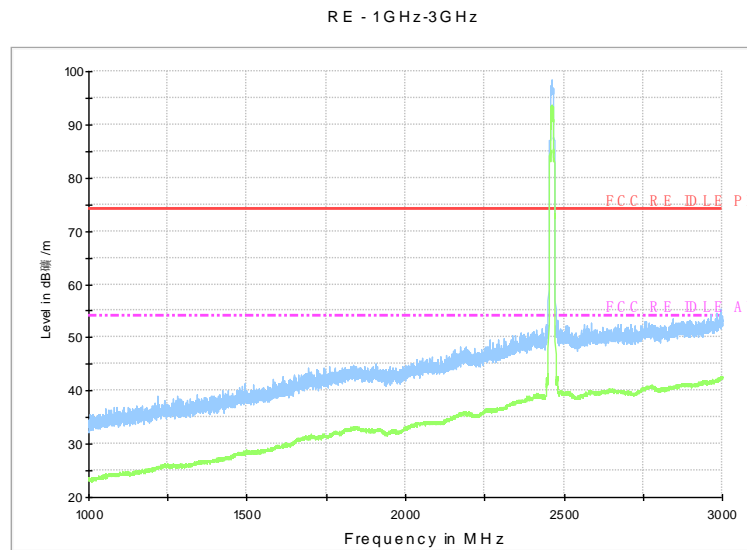


**Fig.A.6.2.8 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz**



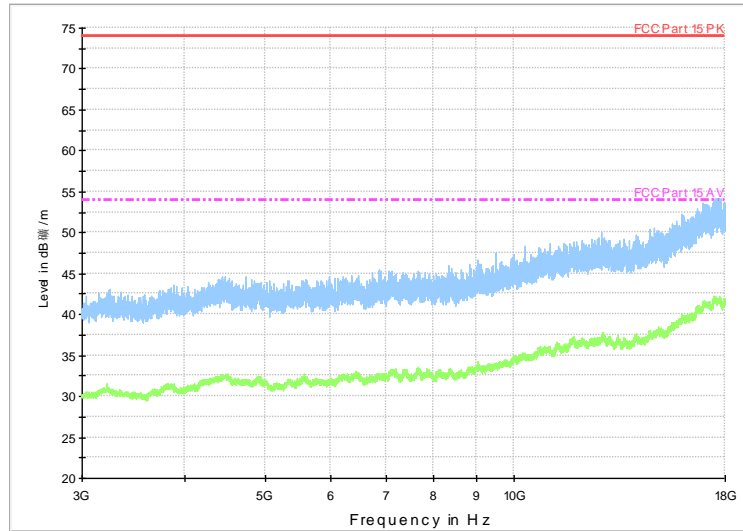


**Fig.A.6.2.9 Radiated Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)**



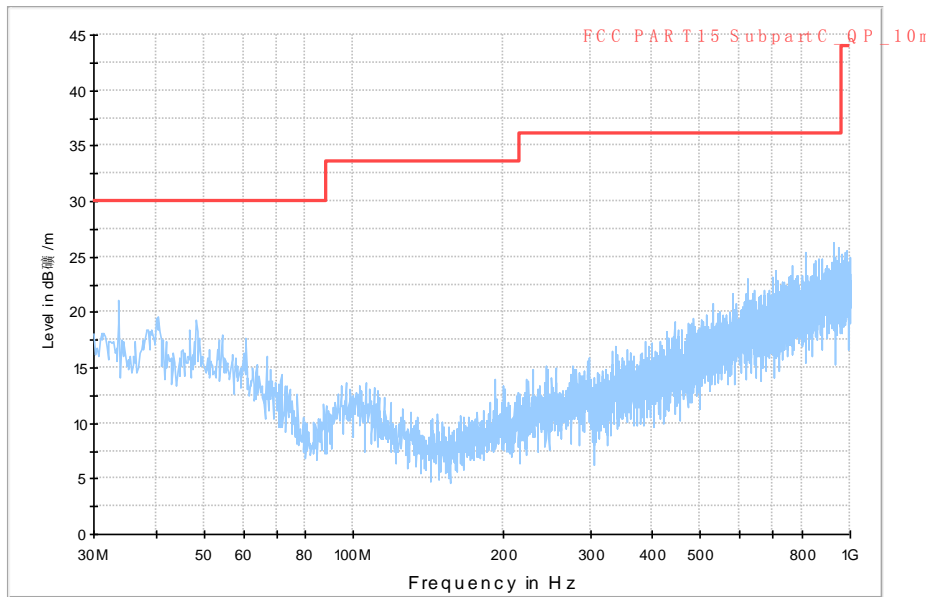
**Fig.A.6.2.10 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)**

RE - 3GHz-18GHz

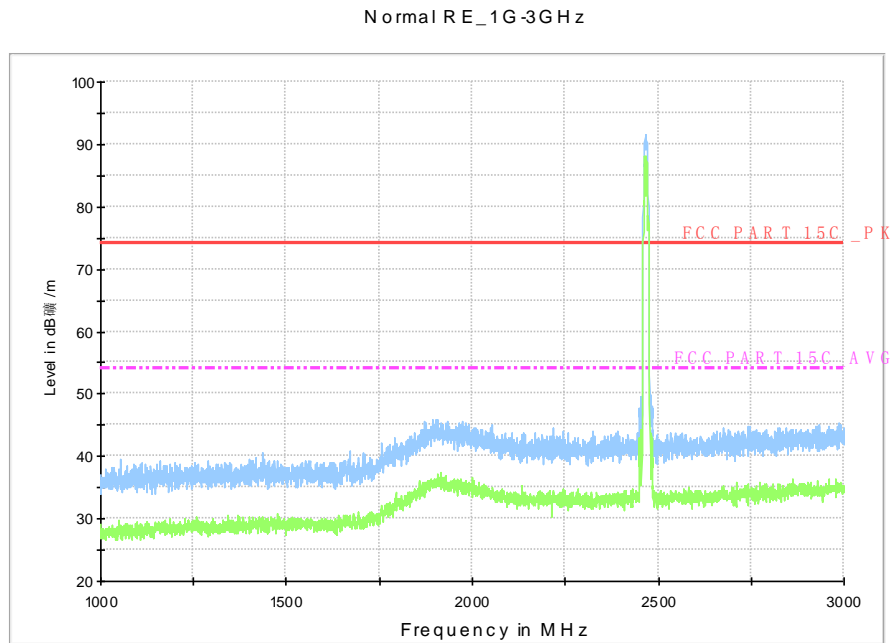


**Fig.A.6.2.11 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)**

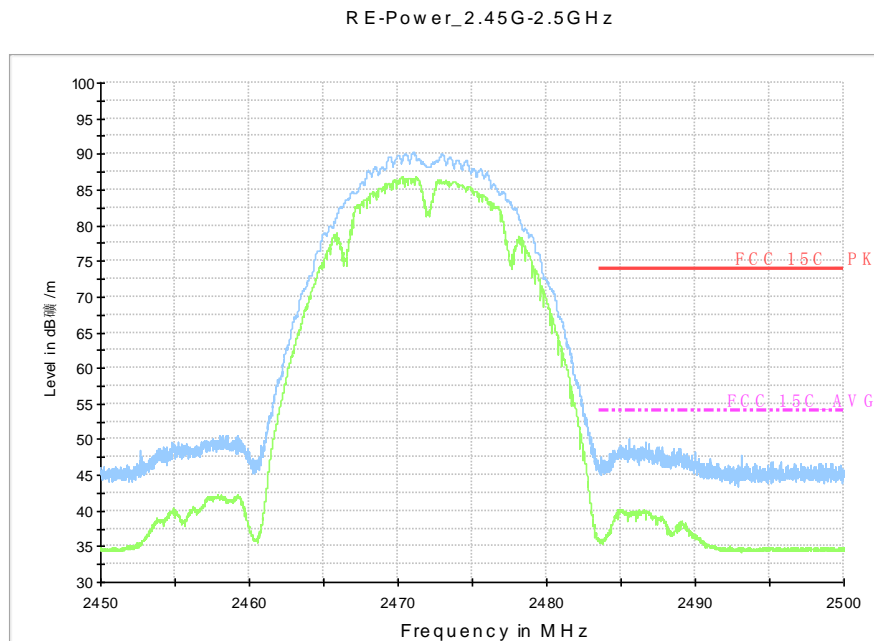
Normal RE\_30M-1GHz\_10m



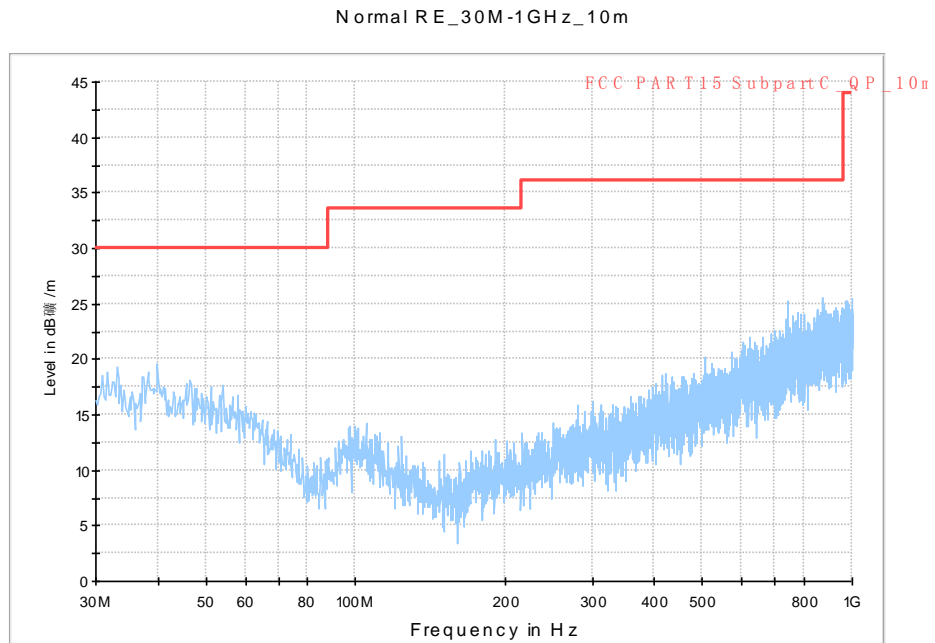
**Fig.A.6.2.12 Radiated Spurious Emission (802.11b, Ch12, 30 MHz-1 GHz)**



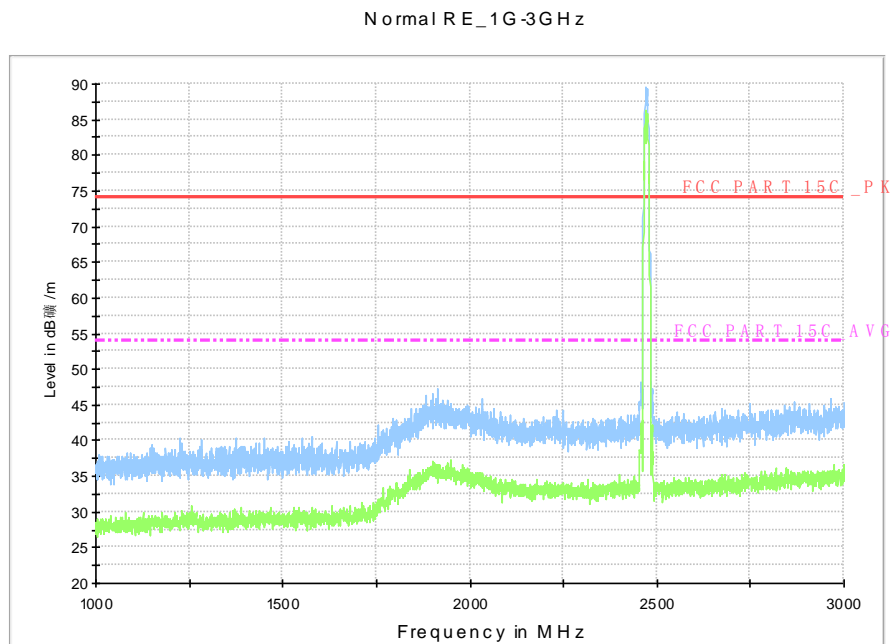
**Fig.A.6.2.13 Radiated Spurious Emission (802.11b, Ch12, 1 GHz-3 GHz)**



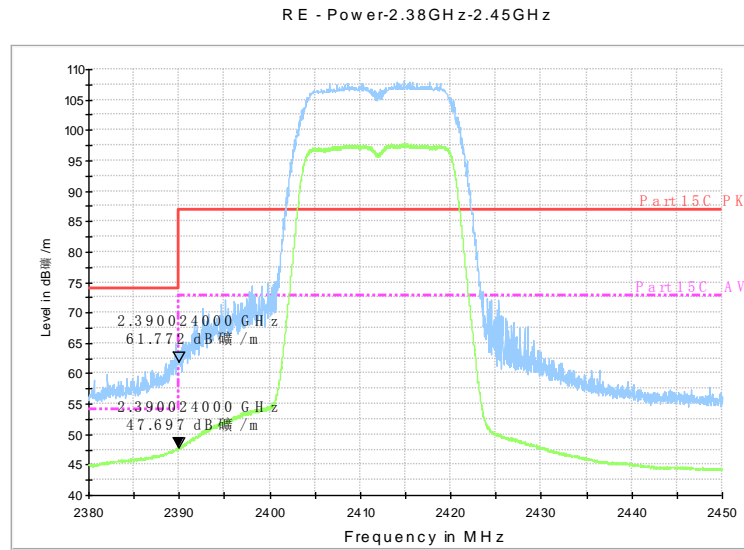
**Fig.A.6.2.14 Radiated Spurious Emission (Power): 802.11b, ch13, 2.45 GHz - 2.50GHz**



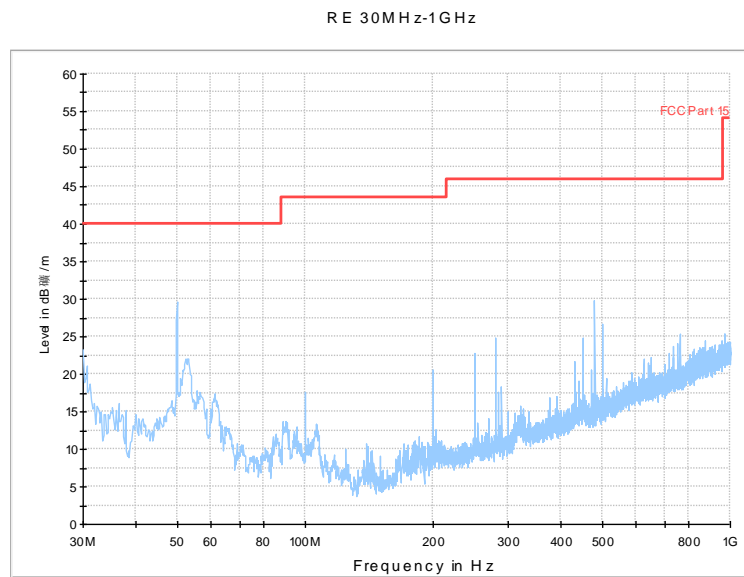
**Fig.A.6.2.15 Radiated Spurious Emission (802.11b, Ch13, 30 MHz-1 GHz)**



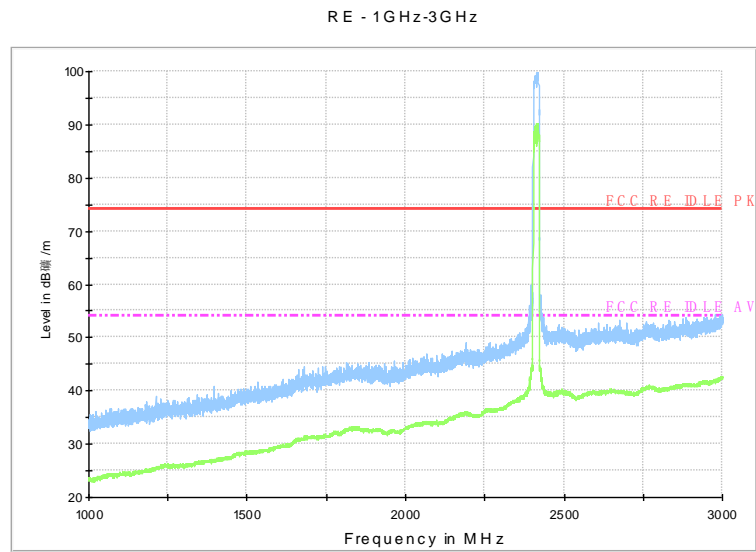
**Fig.A.6.2.16 Radiated Spurious Emission (802.11b, Ch13, 1 GHz-3 GHz)**



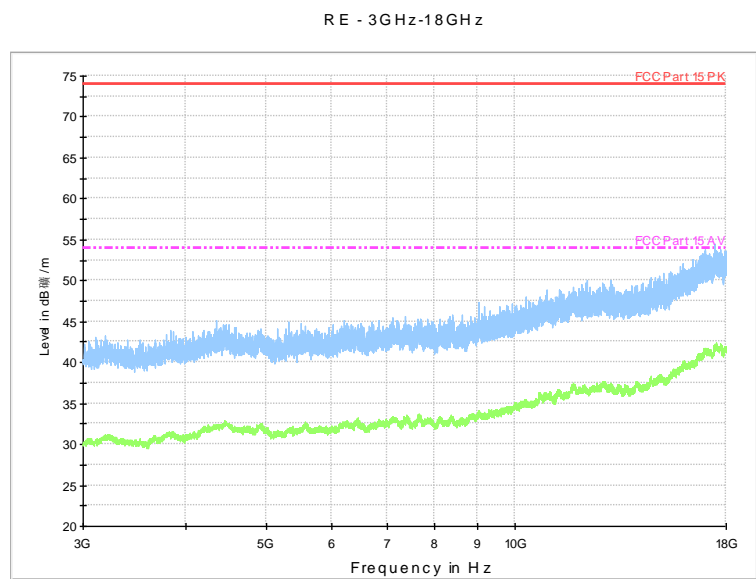
**Fig.A.6.2.17 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz**



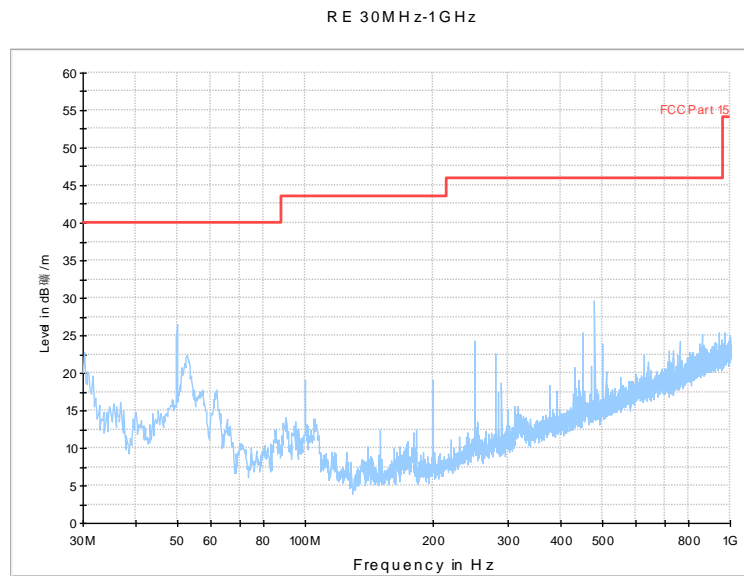
**Fig.A.6.2.18 Radiated Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)**



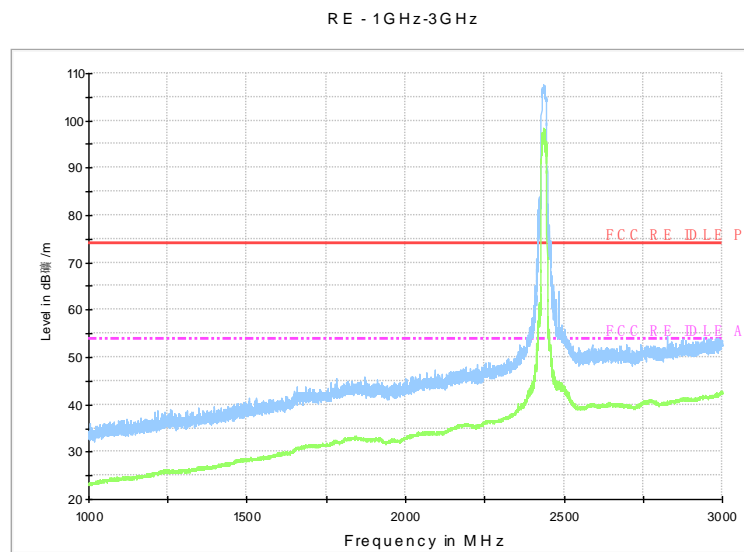
**Fig.A.6.2.19 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)**



**Fig.A.6.2.20 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)**

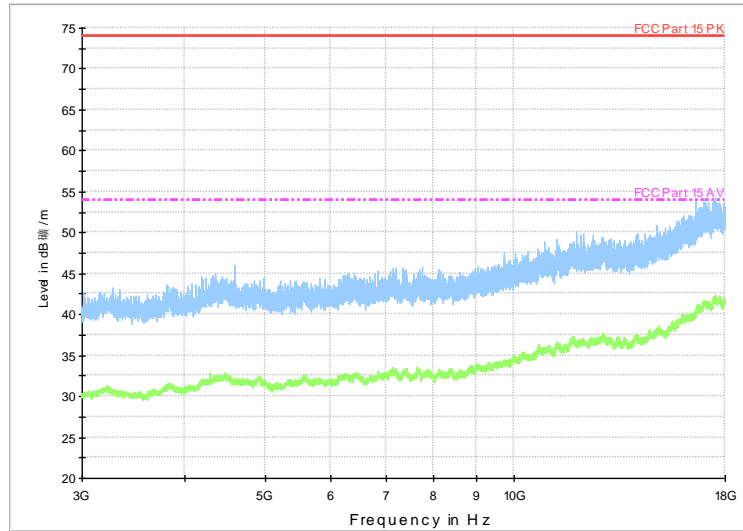


**Fig.A.6.2.21 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)**



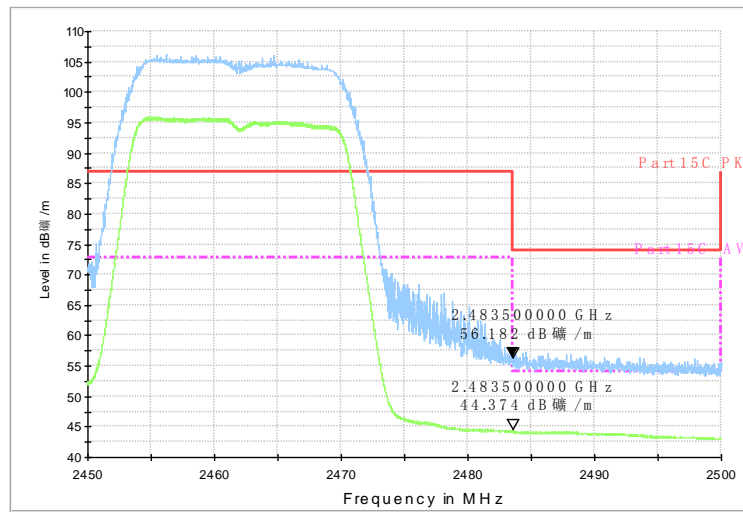
**Fig.A.6.2.22 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)**

RE - 3GHz-18GHz



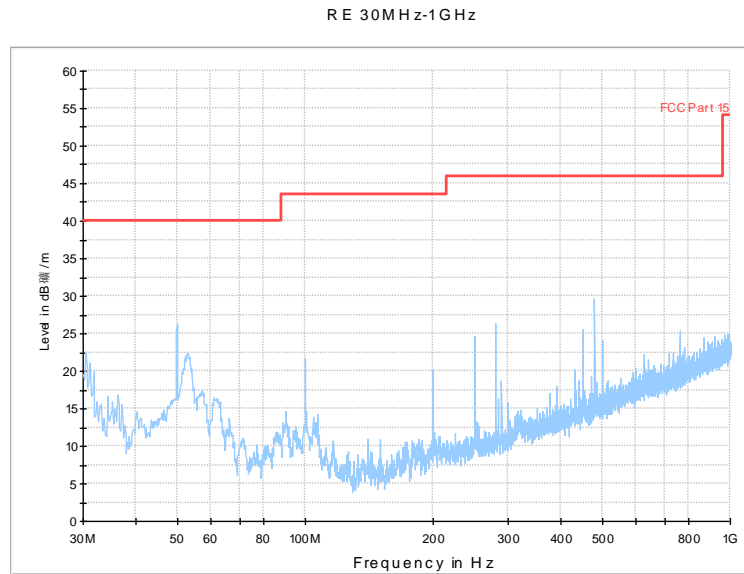
**Fig.A.6.2.23 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)**

RE - Power-2.45GHz-2.5GHz

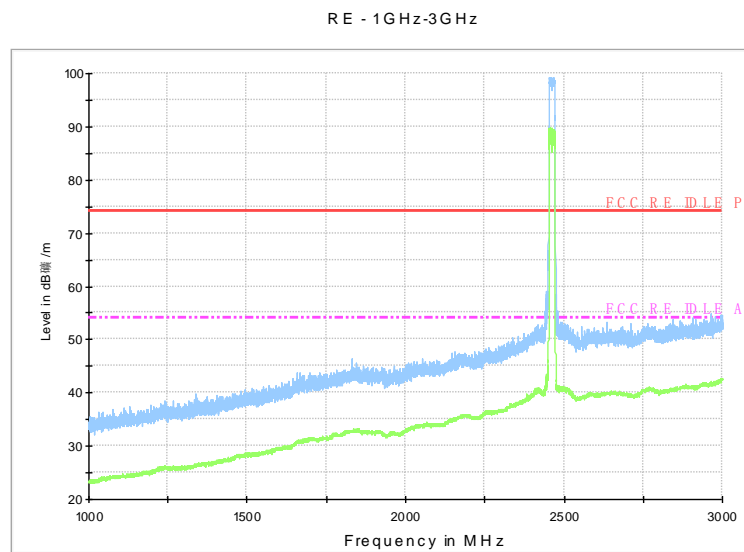


**Fig.A.6.2.24 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz**



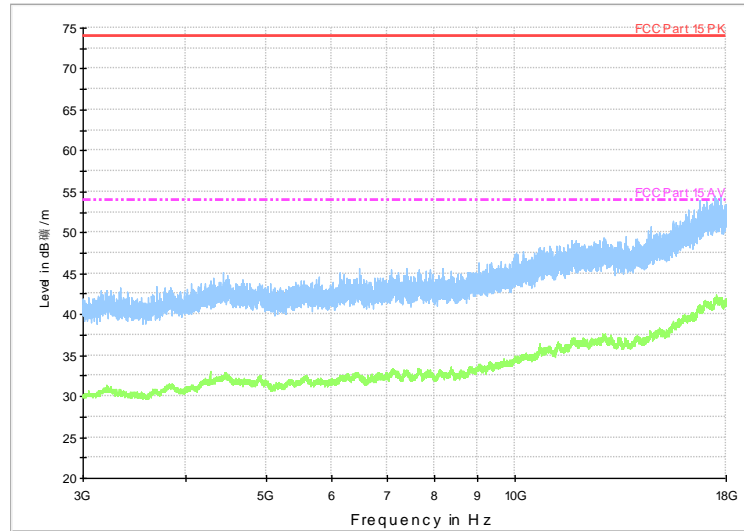


**Fig.A.6.2.25 Radiated Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)**



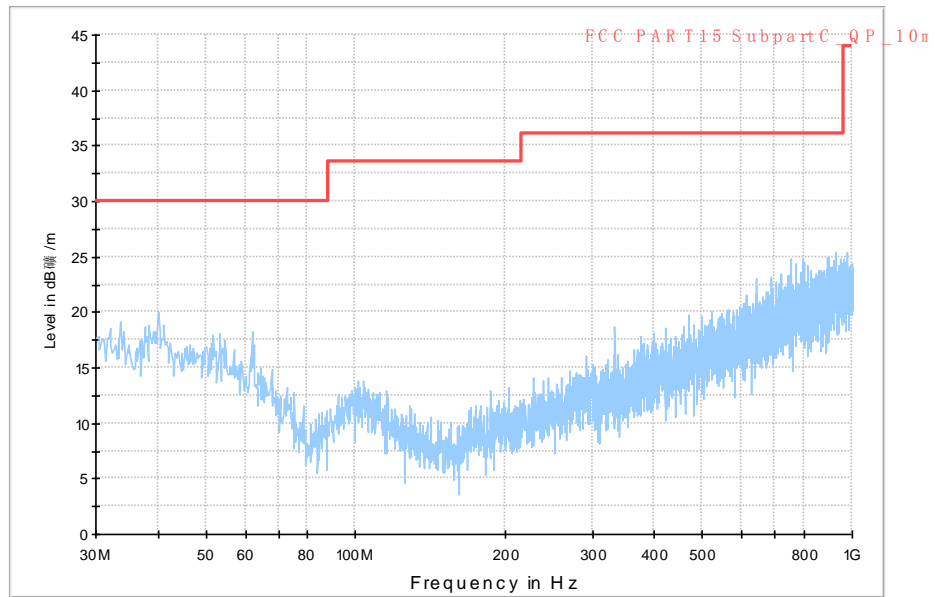
**Fig.A.6.2.26 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)**

RE - 3GHz-18GHz

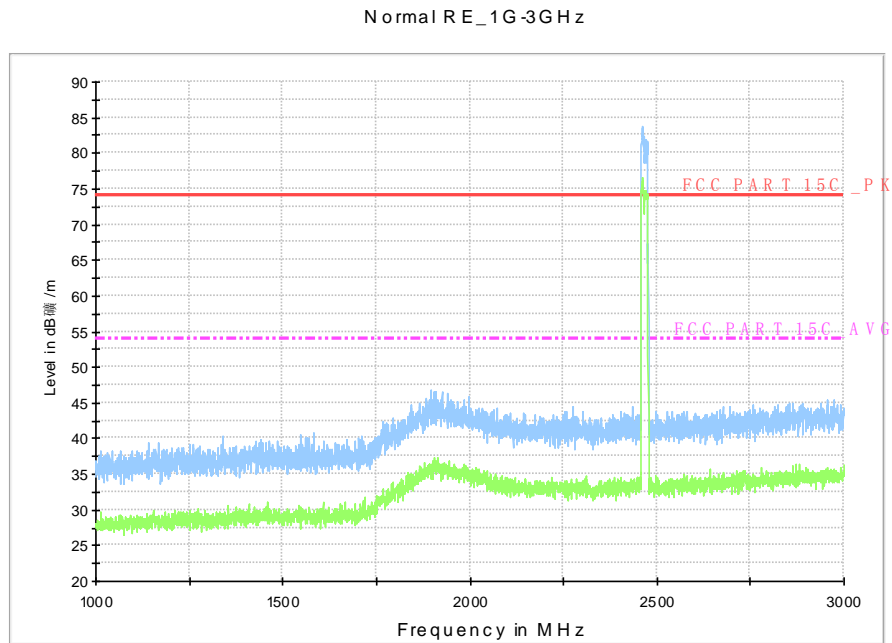


**Fig.A.6.2.27 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)**

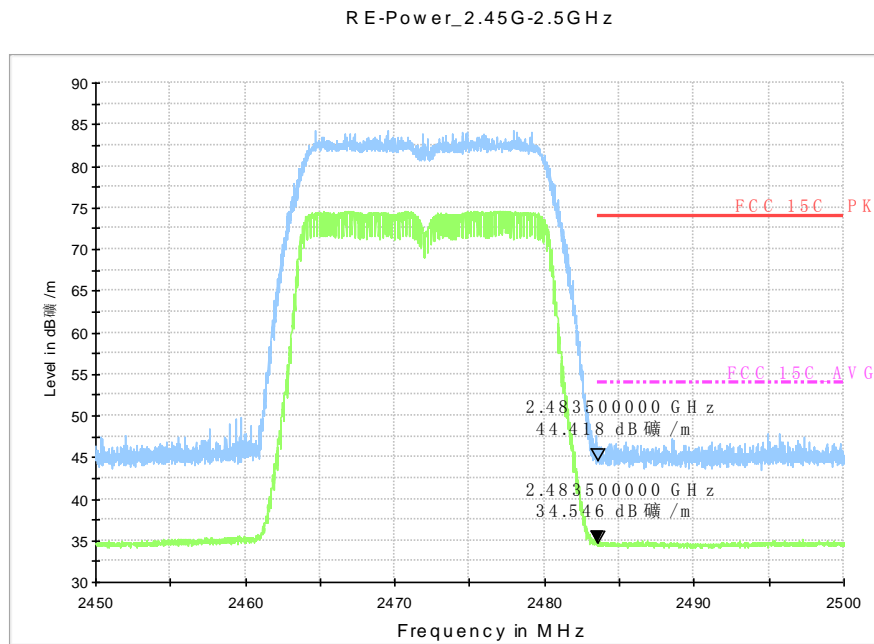
Normal RE\_30M-1GHz\_10m



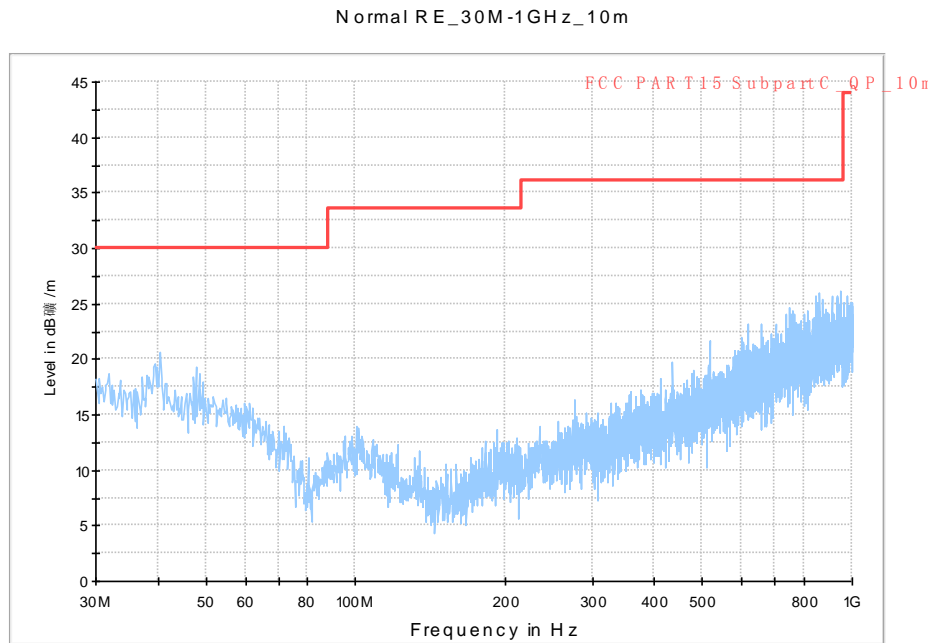
**Fig.A.6.2.28 Radiated Spurious Emission (802.11g, Ch12, 30 MHz-1 GHz)**



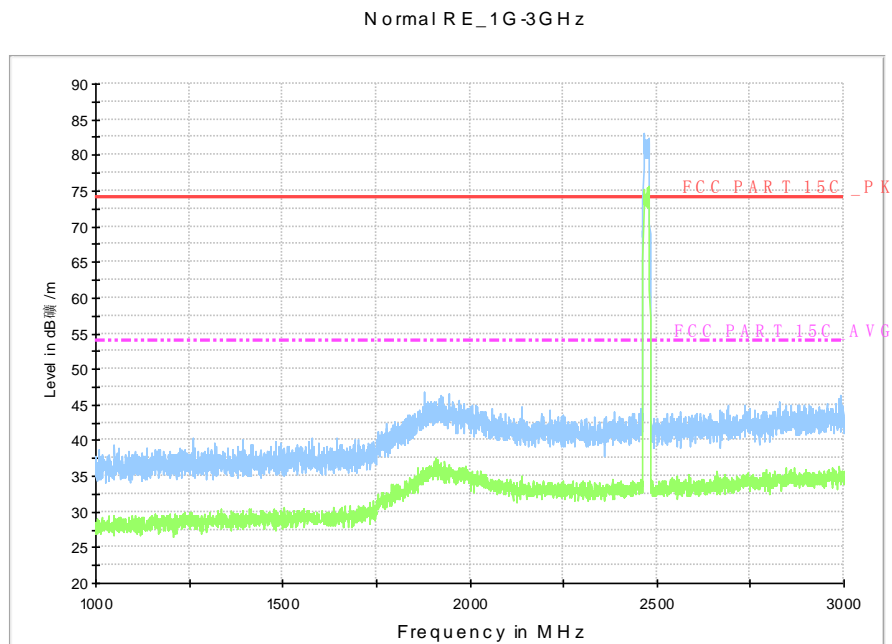
**Fig.A.6.2.29 Radiated Spurious Emission (802.11g, Ch12, 1 GHz-3 GHz)**



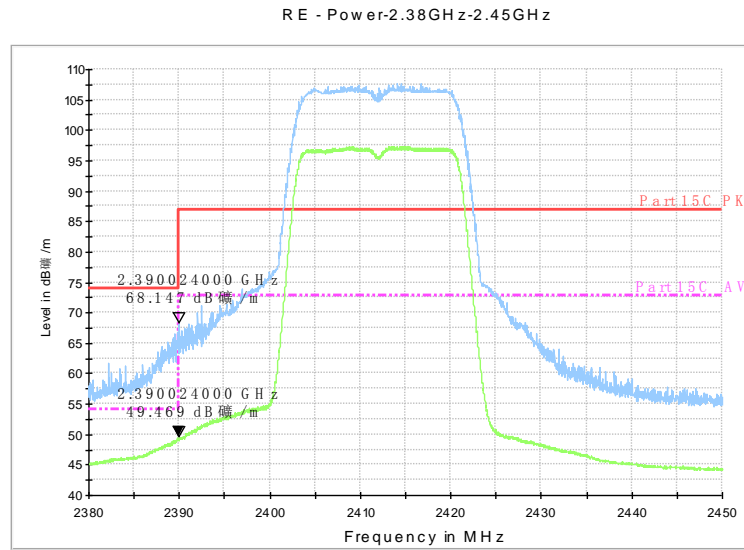
**Fig.A.6.2.30 Radiated Spurious Emission (Power): 802.11g, ch13, 2.45 GHz - 2.50GHz**



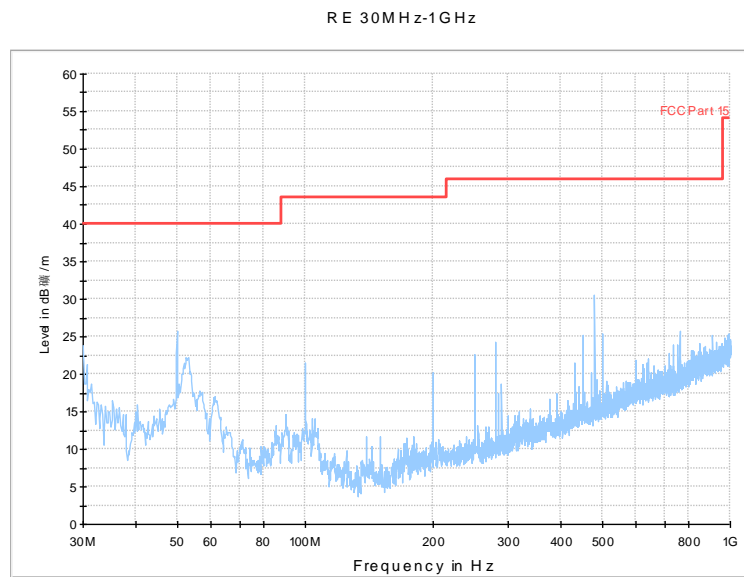
**Fig.A.6.2.31 Radiated Spurious Emission (802.11g, Ch13, 30 MHz-1 GHz)**



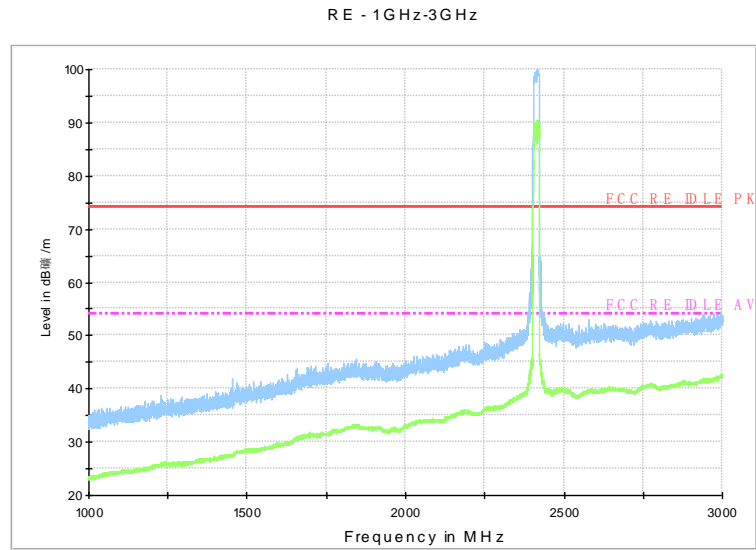
**Fig.A.6.2.32 Radiated Spurious Emission (802.11g, Ch13, 1 GHz-3 GHz)**



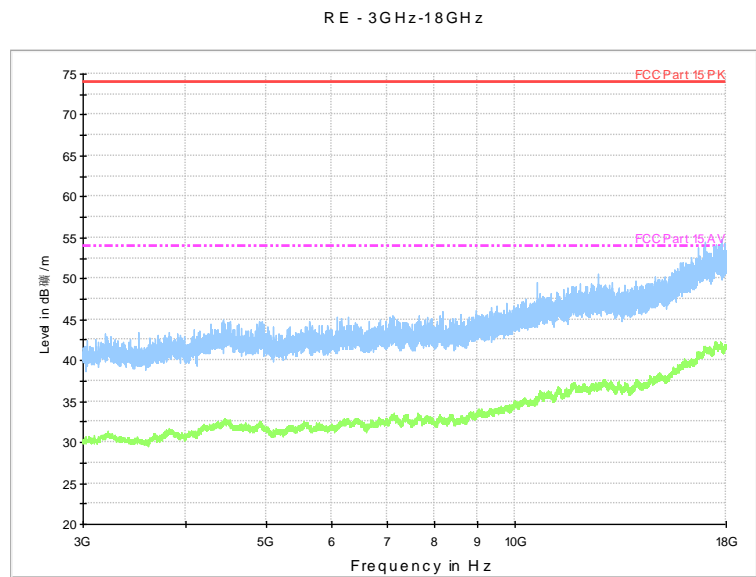
**Fig.A.6.2.33 Radiated Spurious Emission (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz**



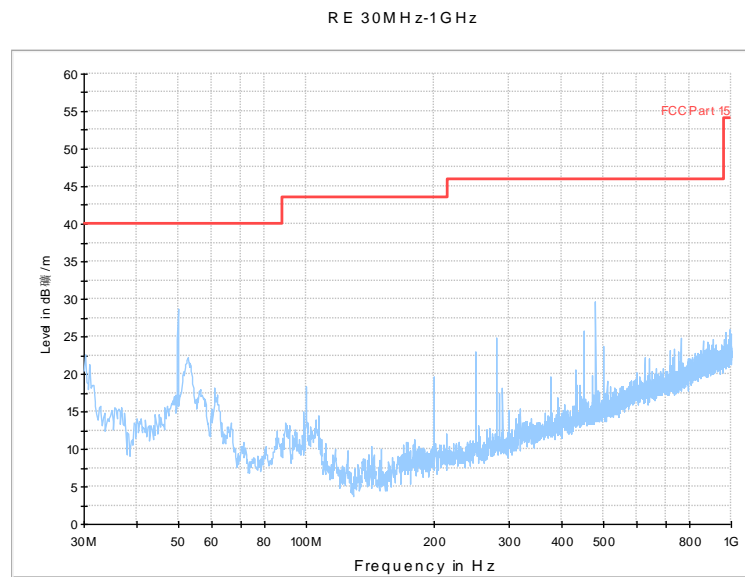
**Fig.A.6.2.34 Radiated Spurious Emission (802.11n-HT20, Ch1, 30 MHz-1 GHz)**



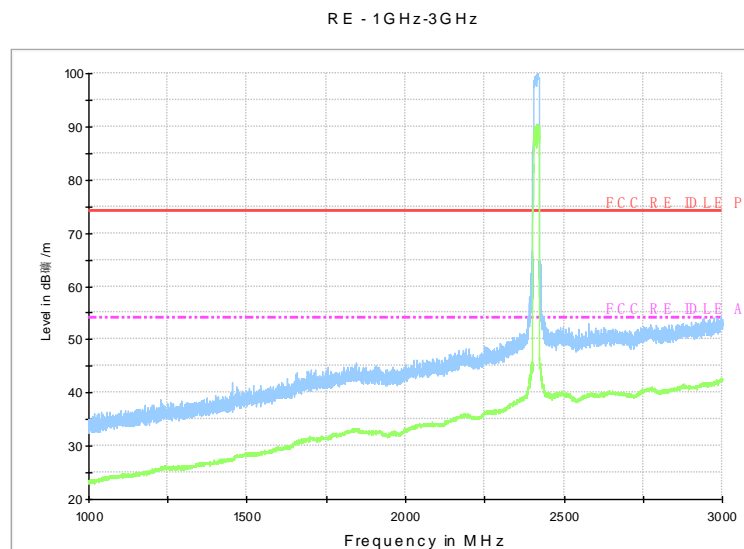
**Fig.A.6.2.35 Radiated Spurious Emission (802.11n-HT20, Ch1, 1 GHz-3 GHz)**



**Fig.A.6.2.36 Radiated Spurious Emission (802.11n-HT20, Ch1, 3 GHz-18 GHz)**

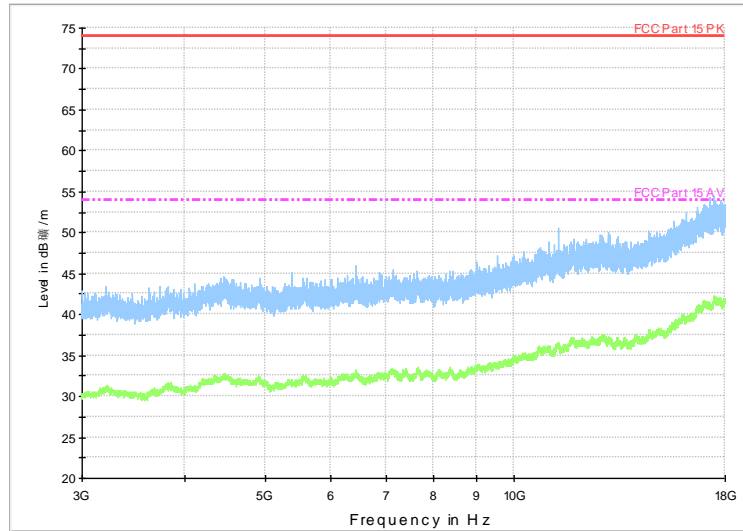


**Fig.A.6.2.37 Radiated Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)**



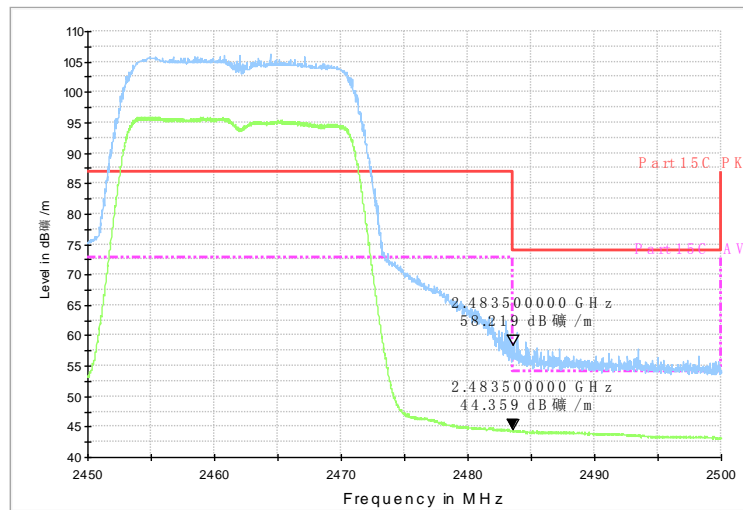
**Fig.A.6.2.38 Radiated Spurious Emission (802.11n-HT20, Ch6, 1 GHz-3 GHz)**

RE - 3GHz-18GHz



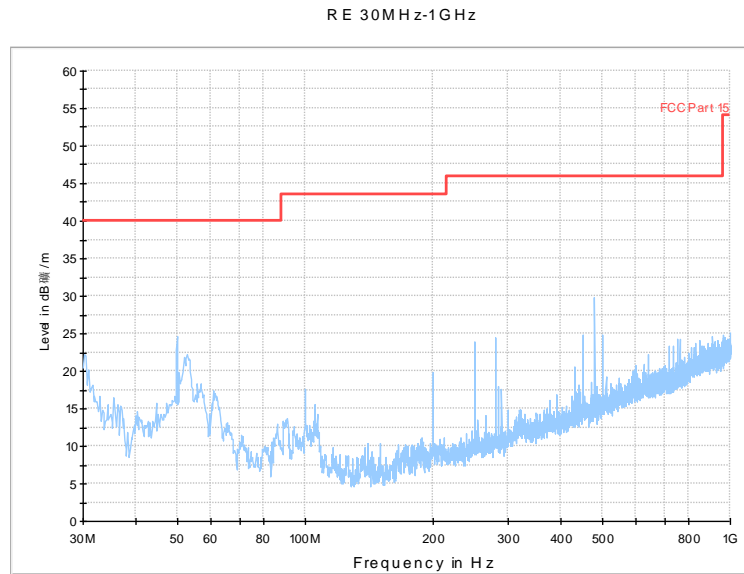
**Fig.A.6.2.39 Radiated Spurious Emission (802.11n-HT20, Ch6, 3 GHz-18 GHz)**

RE - Power-2.45GHz-2.5GHz

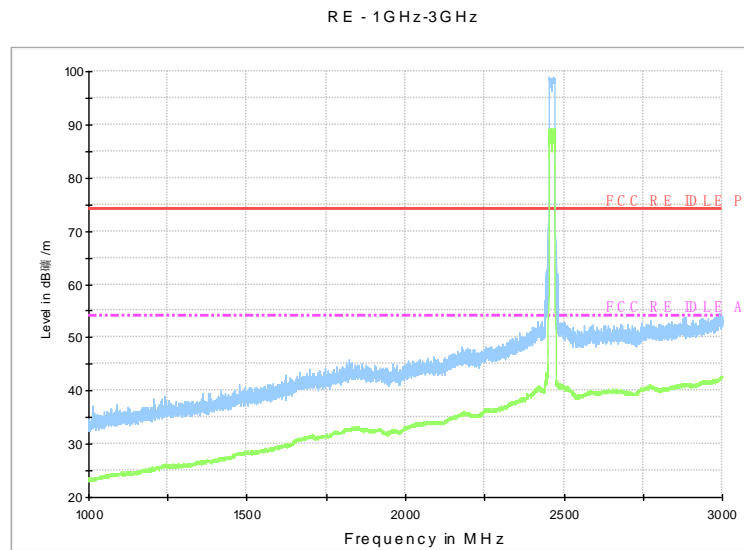


**Fig.A.6.2.40 Radiated Spurious Emission (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz**





**Fig.A.6.2.41 Radiated Spurious Emission (802.11n-HT20, Ch11, 30 MHz-1 GHz)**



**Fig.A.6.2.42 Radiated Spurious Emission (802.11n-HT20, Ch11, 1 GHz-3 GHz)**

RE - 3GHz-18GHz

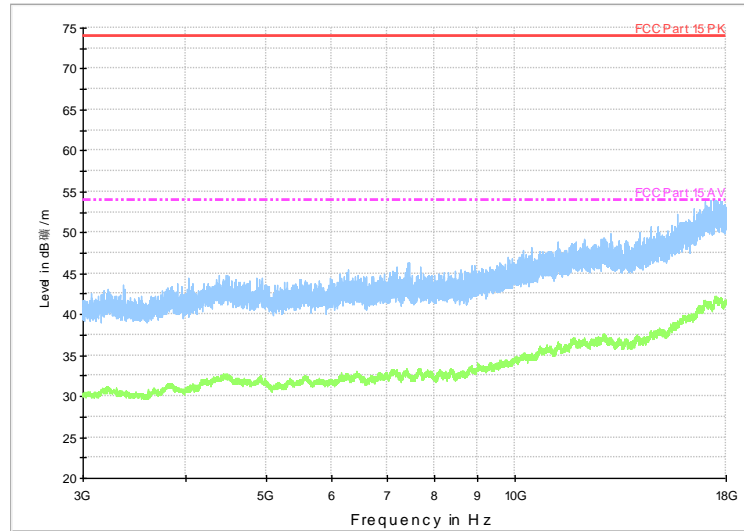


Fig.A.6.2.43 Radiated Spurious Emission (802.11n-HT20, Ch11, 3 GHz-18 GHz)

Normal RE\_30M-1GHz\_10m

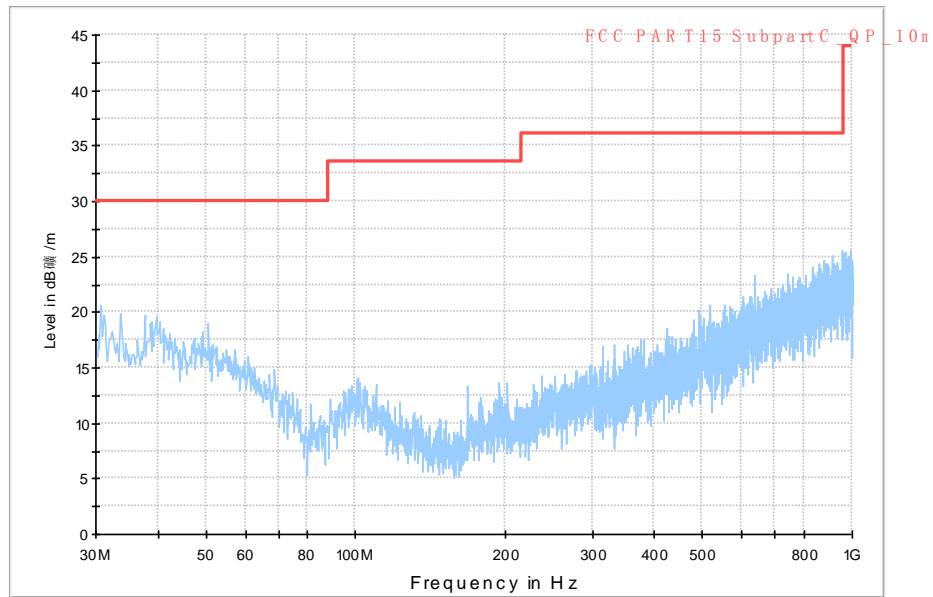
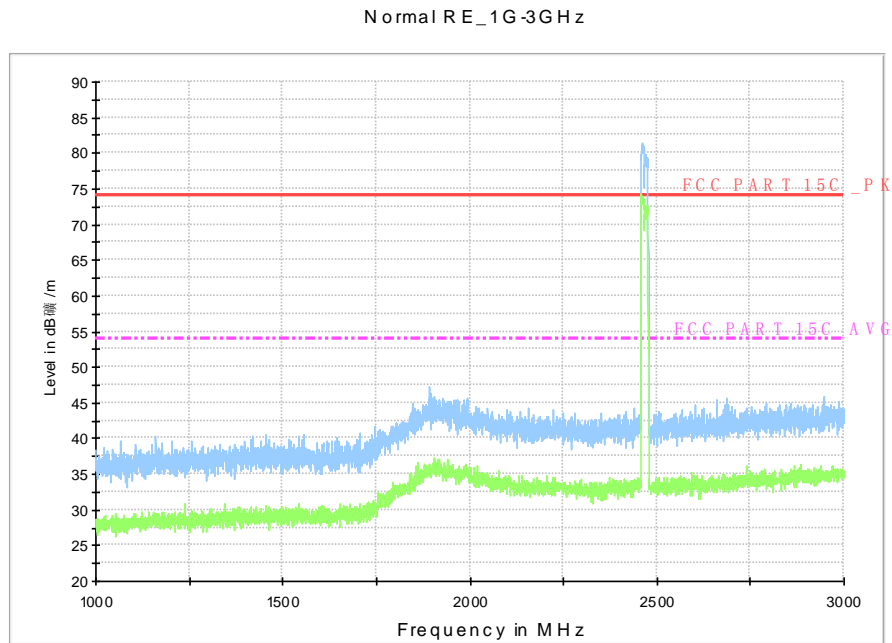
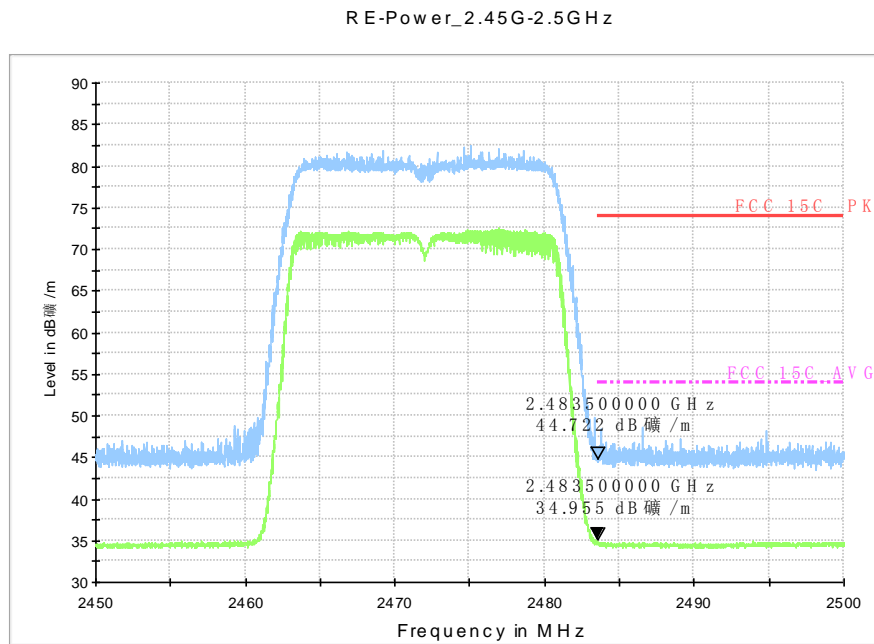


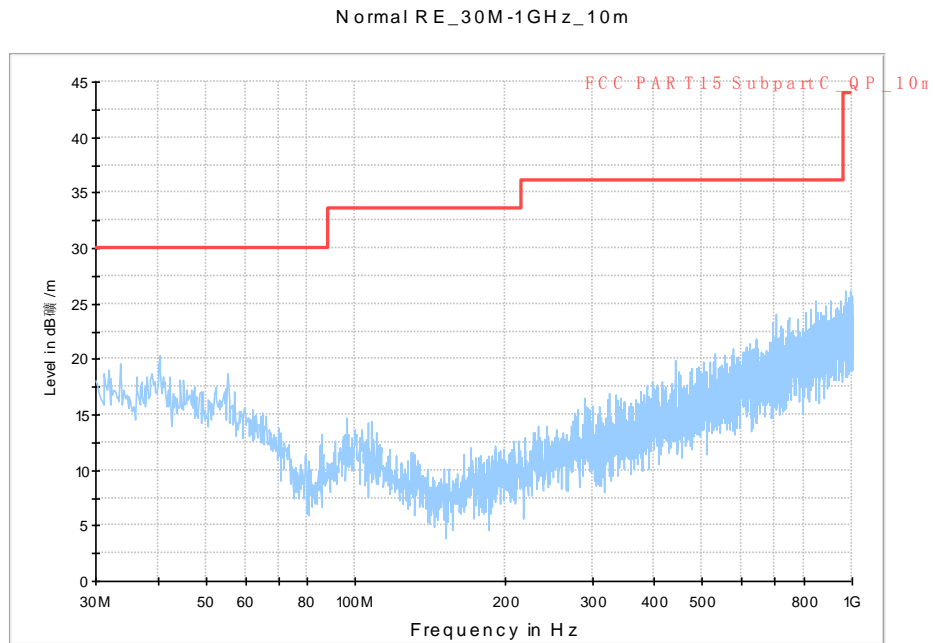
Fig.A.6.2.44 Radiated Spurious Emission (802.11n-HT20, Ch12, 30 MHz-1 GHz)



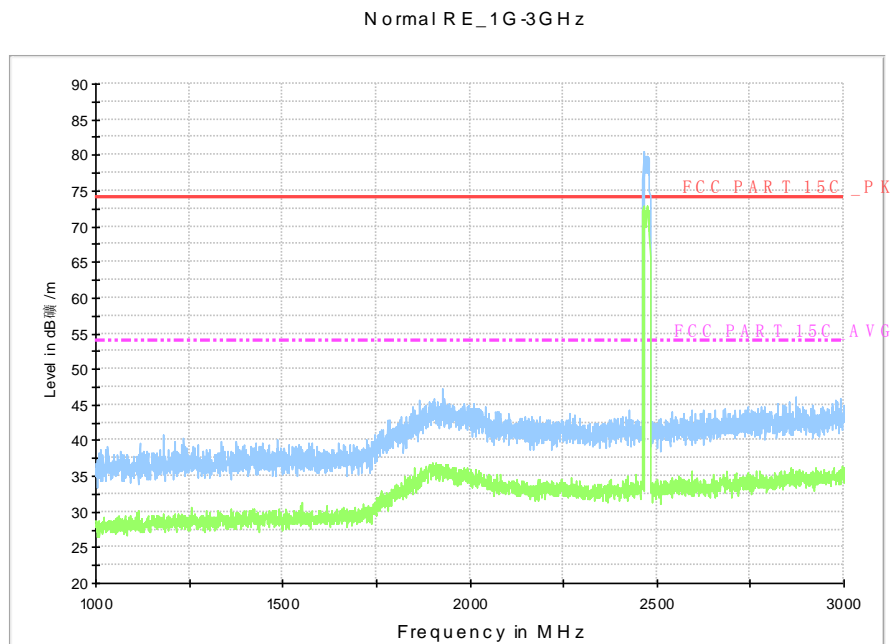
**Fig.A.6.2.45 Radiated Spurious Emission (802.11n-HT20, Ch12, 1 GHz-3 GHz)**



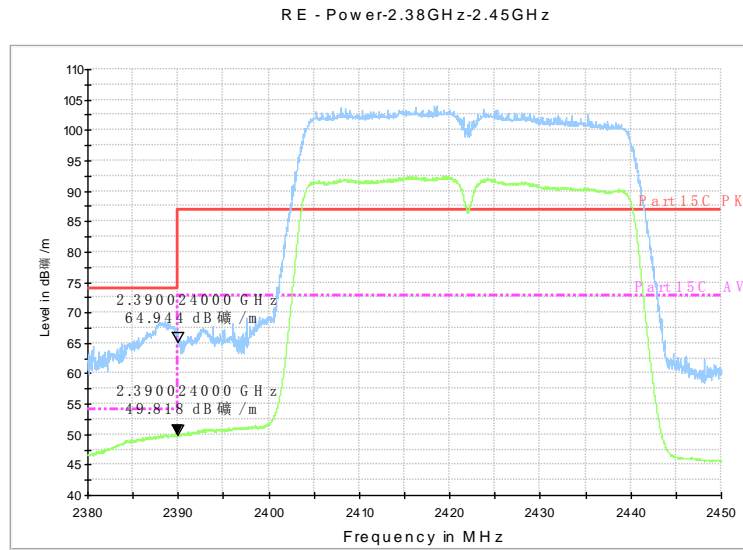
**Fig.A.6.2.46 Radiated Spurious Emission (Power): 802.11n-HT20, ch13, 2.45 GHz - 2.50GHz**



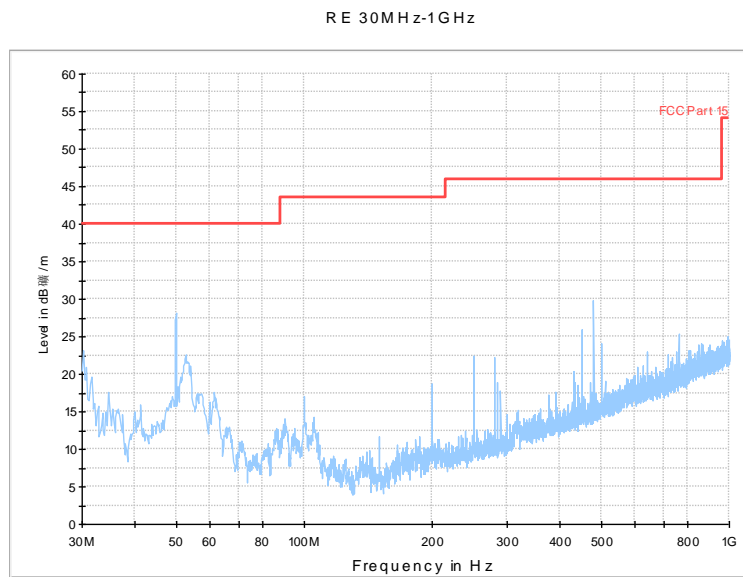
**Fig.A.6.2.47 Radiated Spurious Emission (802.11n-HT20, Ch13, 30 MHz-1 GHz)**



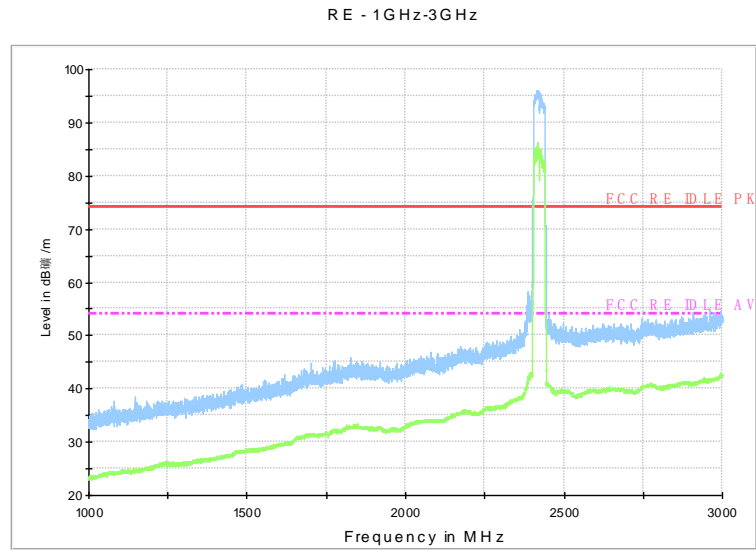
**Fig.A.6.2.48 Radiated Spurious Emission (802.11n-HT20, Ch13, 1 GHz-3 GHz)**



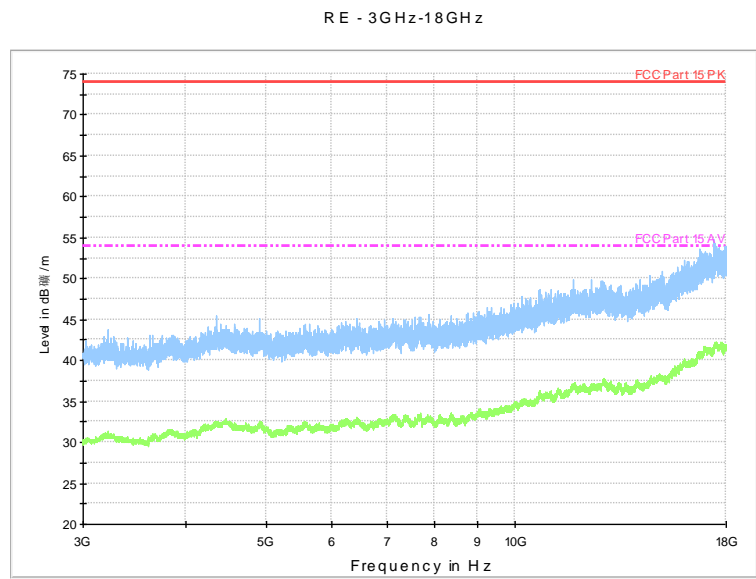
**Fig.A.6.2.49 Radiated Spurious Emission (Power): 802.11n-HT40, ch3, 2.38 GHz - 2.45GHz**



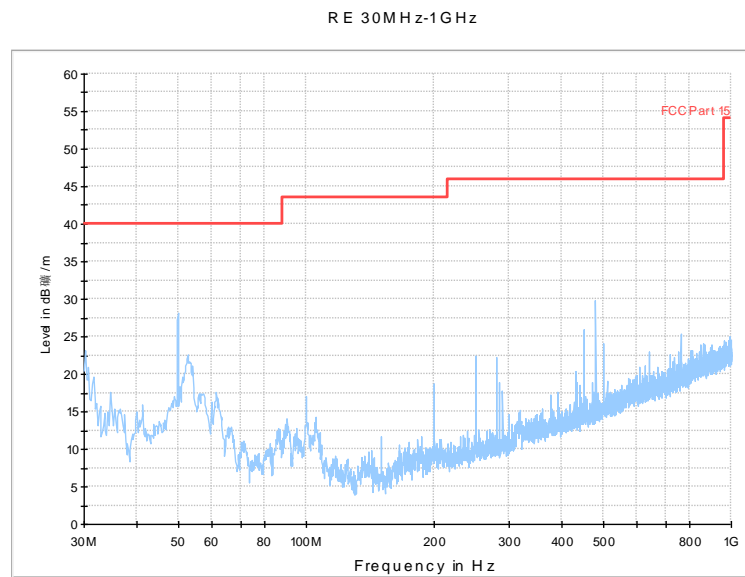
**Fig.A.6.2.50 Radiated Spurious Emission (802.11n-HT40, ch3, 30 MHz-1 GHz)**



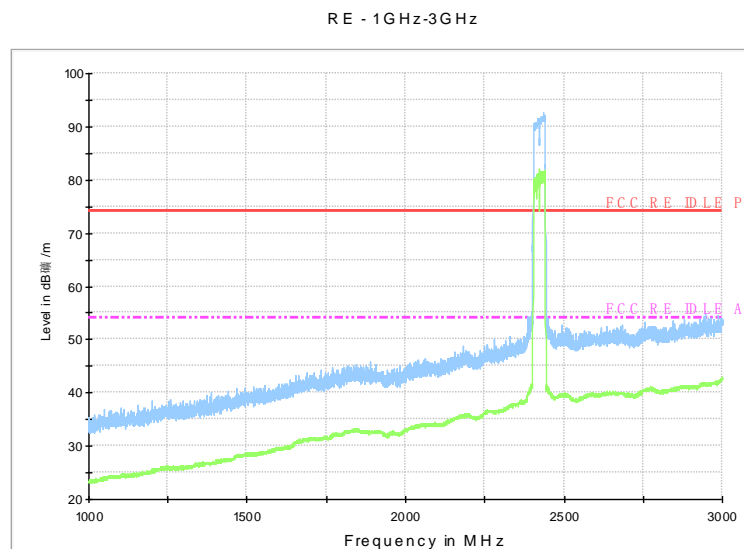
**Fig.A.6.2.51 Radiated Spurious Emission (802.11n-HT40, ch3, 1 GHz-3 GHz)**



**Fig.A.6.2.52 Radiated Spurious Emission (802.11n-HT40, ch3, 3 GHz-18 GHz)**

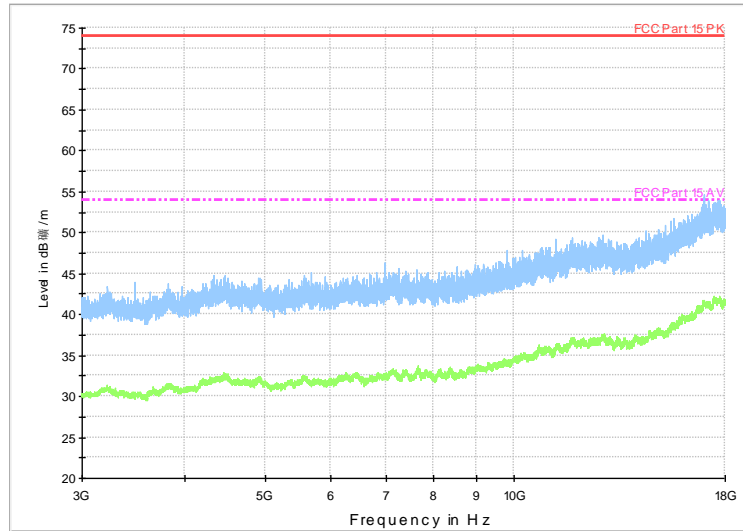


**Fig.A.6.2.53 Radiated Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)**



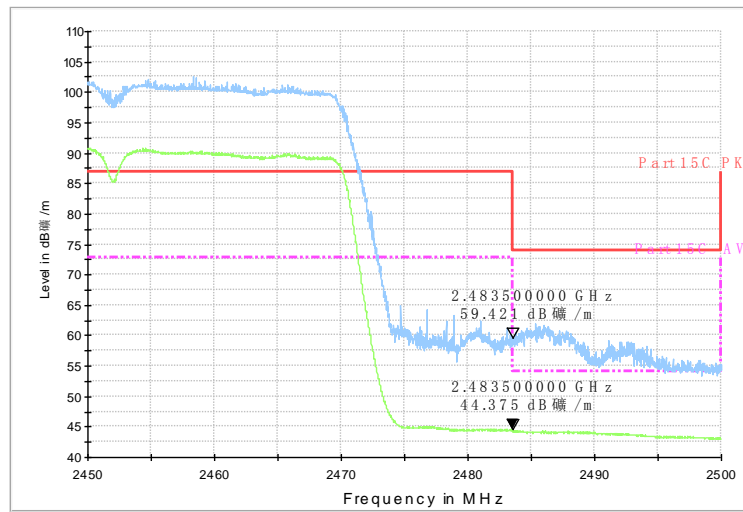
**Fig.A.6.2.54 Radiated Spurious Emission (802.11n-HT40, Ch6, 1 GHz-3 GHz)**

RE - 3GHz-18GHz



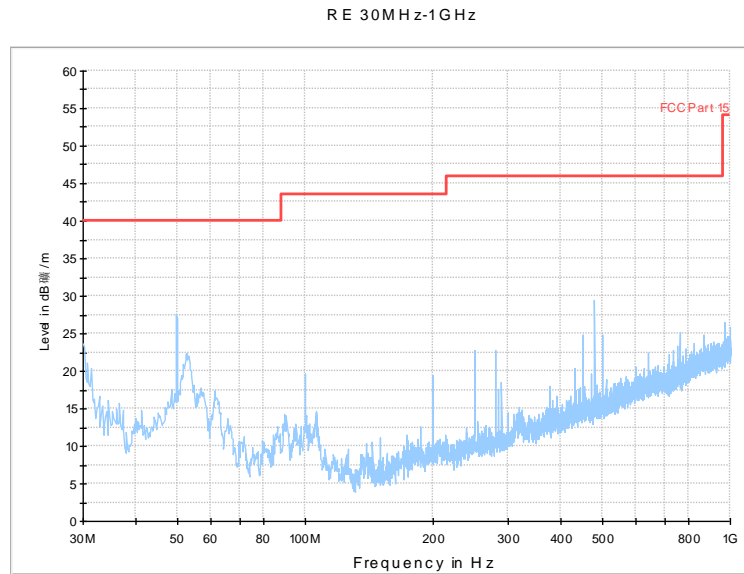
**Fig.A.6.2.55 Radiated Spurious Emission (802.11n-HT40, Ch6, 3 GHz-18 GHz)**

RE - Power-2.45GHz-2.5GHz

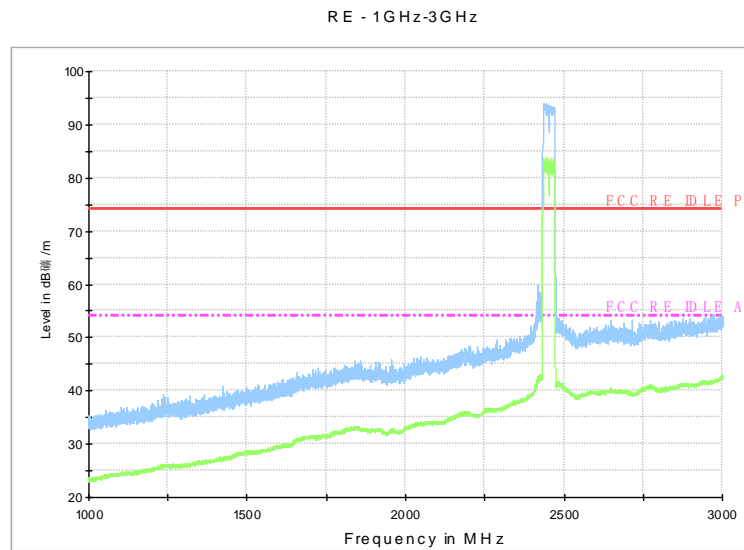


**Fig.A.6.2.56 Radiated Spurious Emission (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz**



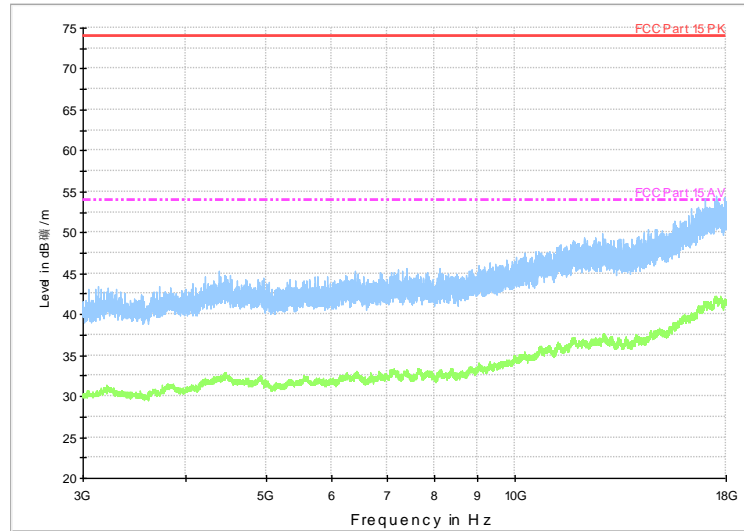


**Fig.A.6.2.57 Radiated Spurious Emission (802.11n-HT40, ch9, 30 MHz-1 GHz)**



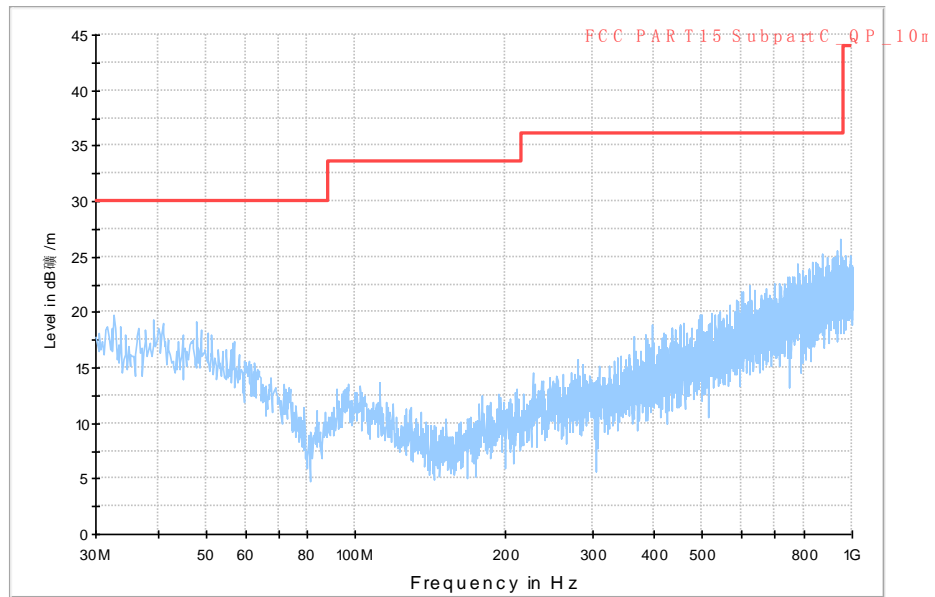
**Fig.A.6.2.58 Radiated Spurious Emission (802.11n-HT40, ch9, 1 GHz-3 GHz)**

RE - 3GHz-18GHz

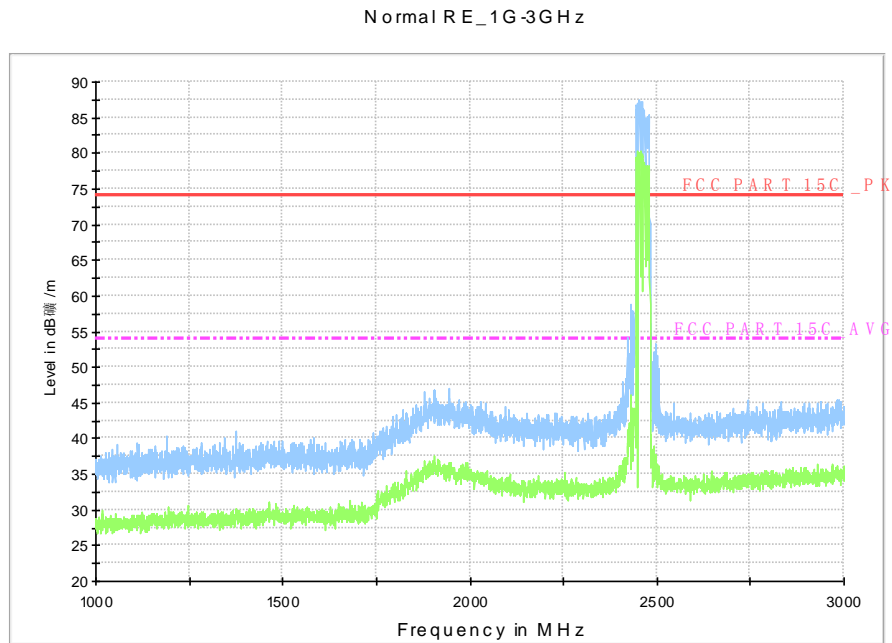


**Fig.A.6.2.59 Radiated Spurious Emission (802.11n-HT40, ch9, 3 GHz-18 GHz)**

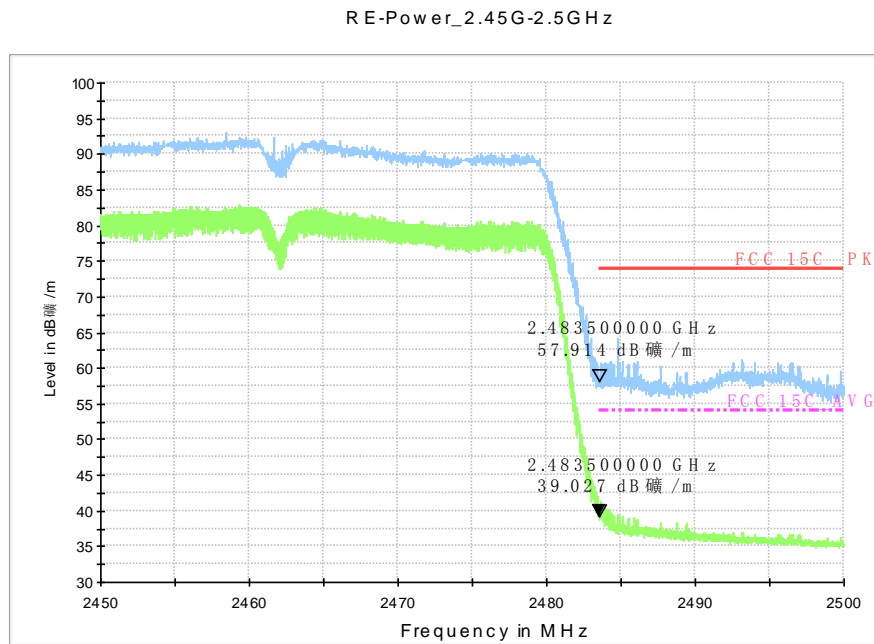
Normal RE\_30M-1GHz\_10m



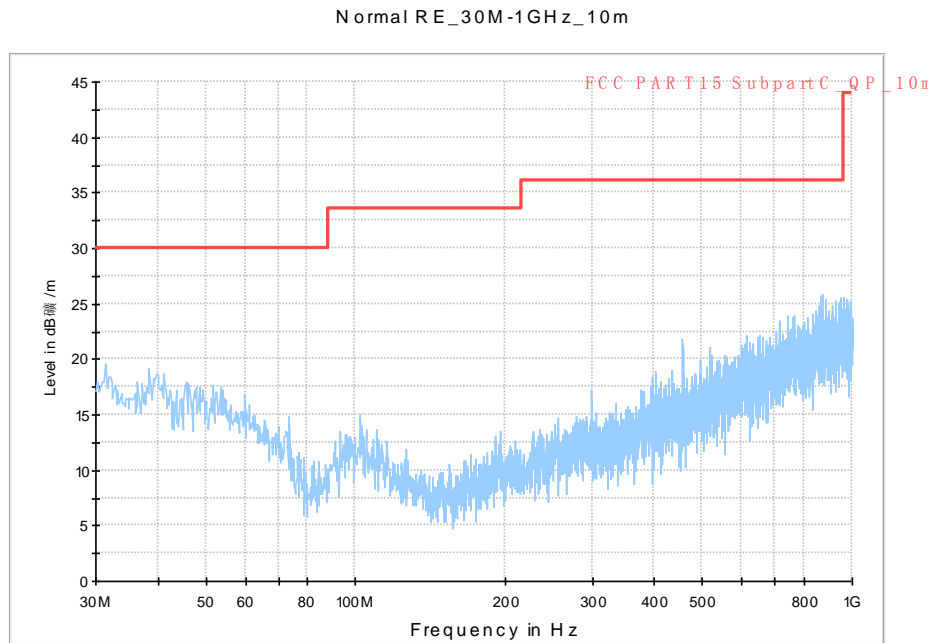
**Fig.A.6.2.60 Radiated Spurious Emission (802.11n-HT40, Ch10, 30 MHz-1 GHz)**



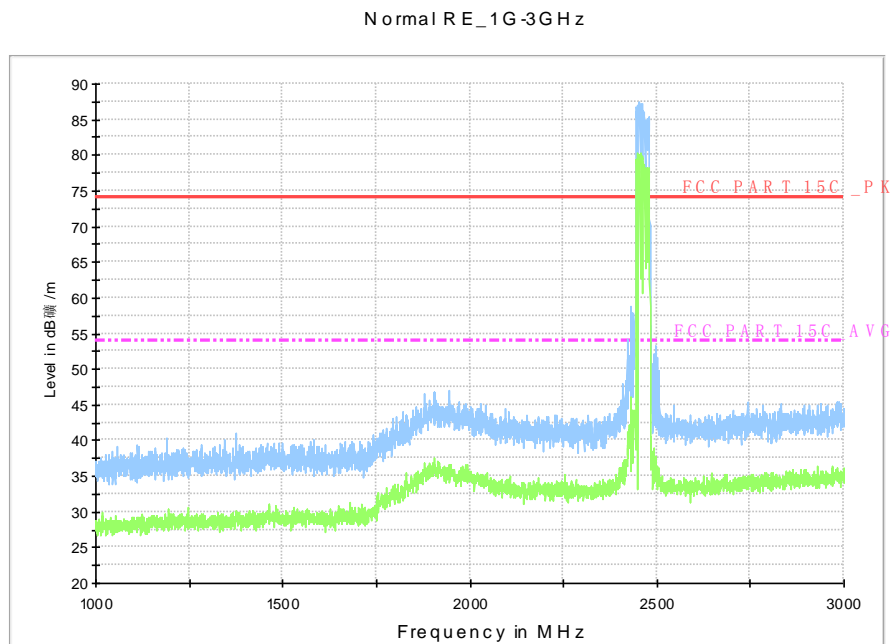
**Fig.A.6.2.61 Radiated Spurious Emission (802.11n-HT40, Ch10, 1 GHz-3 GHz)**



**Fig.A.6.2.62 Radiated Spurious Emission (Power): 802.11n-HT40, Ch11, 2.45 GHz - 2.50GHz**

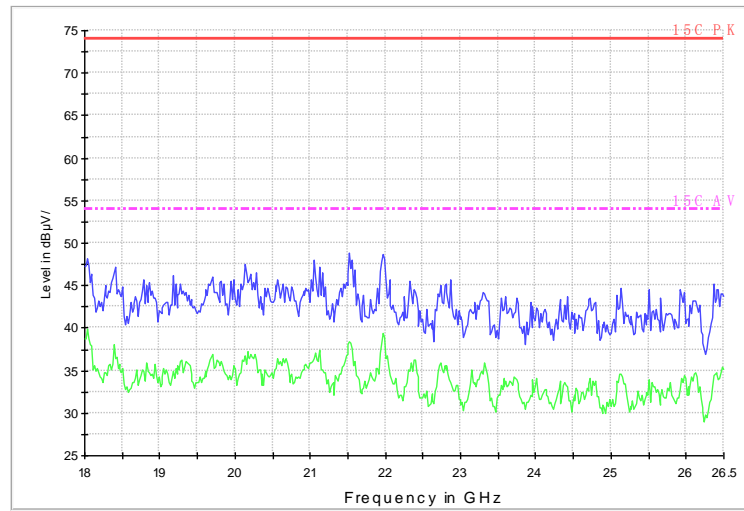


**Fig.A.6.2.63 Radiated Spurious Emission (802.11n-HT40, Ch11, 30 MHz-1 GHz)**



**Fig.A.6.2.64 Radiated Spurious Emission (802.11n-HT40, Ch11, 1 GHz-3 GHz)**

18G-26.5G RE



**Fig.A.6.2.65 Radiated Spurious Emission (All channels): 18GHz – 26.5GHz**

## A.7. AC Powerline Conducted Emission

### Test Condition:

Voltage (V)	Frequency (Hz)
120	60

### Measurement Result and limit:

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	P
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	P
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.

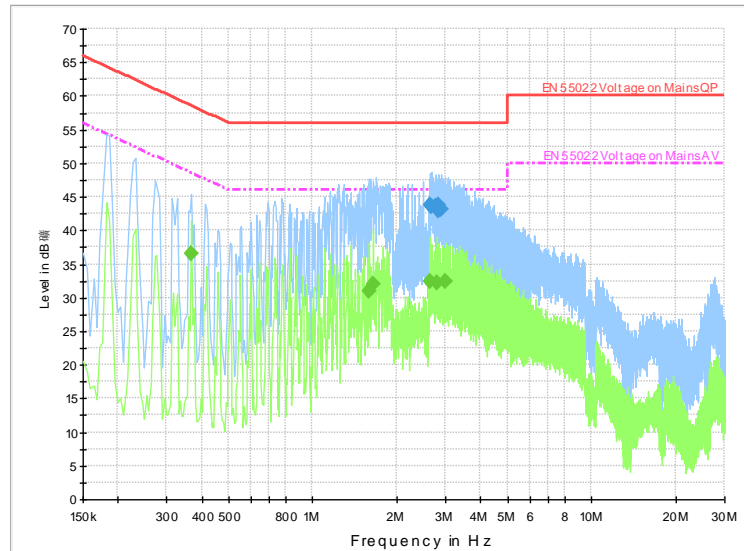
The measurement is made according to KDB558074.

**Conclusion: Pass**

### Measurement uncertainty:

Expanded measurement uncertainty for this test item is U =3.2dB, k=2.

Test graphs as below:



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

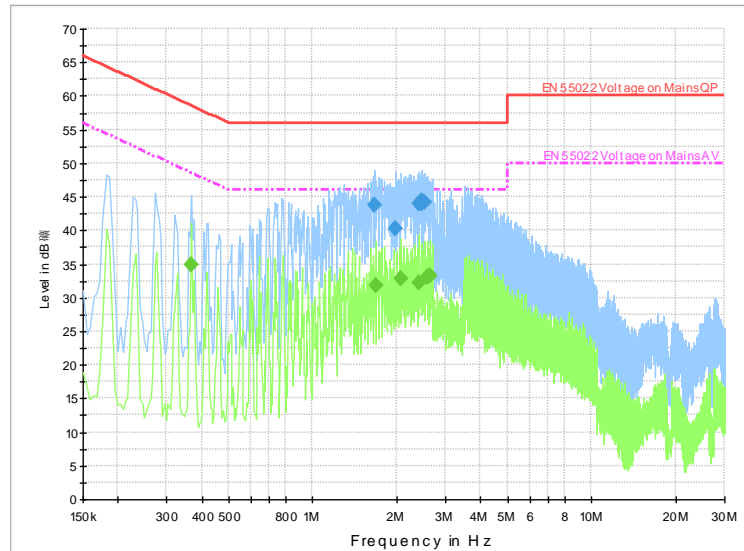
Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.638501	43.7	GND	N	9.9	12.3	56.0
2.683501	43.6	GND	N	9.9	12.4	56.0
2.746501	43.6	GND	N	9.9	12.4	56.0
2.823001	43.7	GND	N	9.9	12.3	56.0
2.836501	42.9	GND	N	9.9	13.1	56.0
2.881501	43.2	GND	N	9.9	12.8	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.366001	36.6	GND	N	9.9	12.0	48.6
1.599001	31.0	GND	N	9.9	15.0	46.0
1.648501	32.0	GND	N	9.9	14.0	46.0
2.625001	32.4	GND	N	9.9	13.6	46.0
2.791501	32.1	GND	N	9.9	13.9	46.0
2.989501	32.4	GND	N	9.9	13.6	46.0



**Fig.A.7.2 AC Powerline Conducted Emission-Idle**

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)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.671001	43.8	GND	N	9.9	12.2	56.0
1.977001	40.3	GND	N	9.9	15.7	56.0
2.418001	43.9	GND	N	9.9	12.1	56.0
2.449501	44.4	GND	N	9.9	11.6	56.0
2.463001	44.1	GND	N	9.9	11.9	56.0
2.526001	44.2	GND	N	9.9	11.8	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.366001	34.9	GND	N	9.9	13.7	48.6
1.689001	31.8	GND	N	9.9	14.2	46.0
2.085001	32.9	GND	N	9.9	13.1	46.0
2.404501	32.3	GND	N	9.9	13.7	46.0
2.571001	32.9	GND	N	9.9	13.1	46.0
2.647501	33.3	GND	N	9.9	12.7	46.0

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