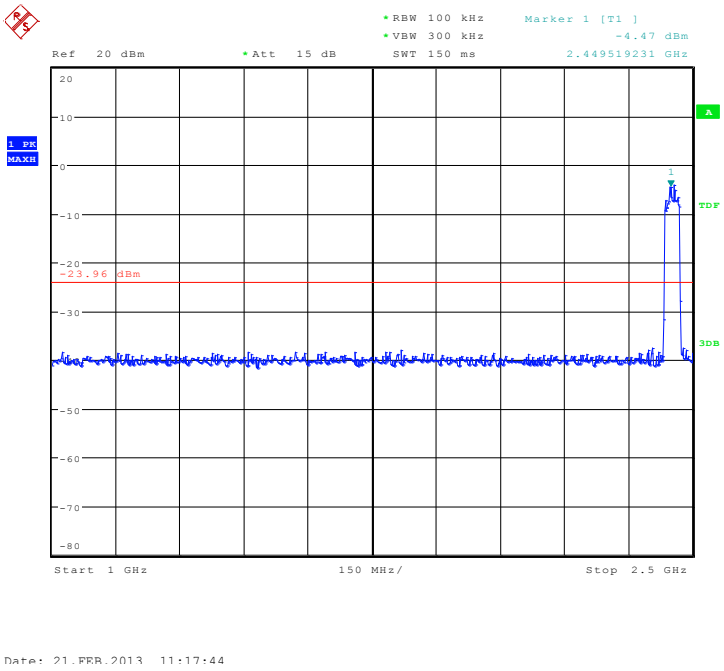

Fig. 191 Conducted Spurious Emission (802.11n-HT40, Ch9, 1GHz-2.5 GHz)

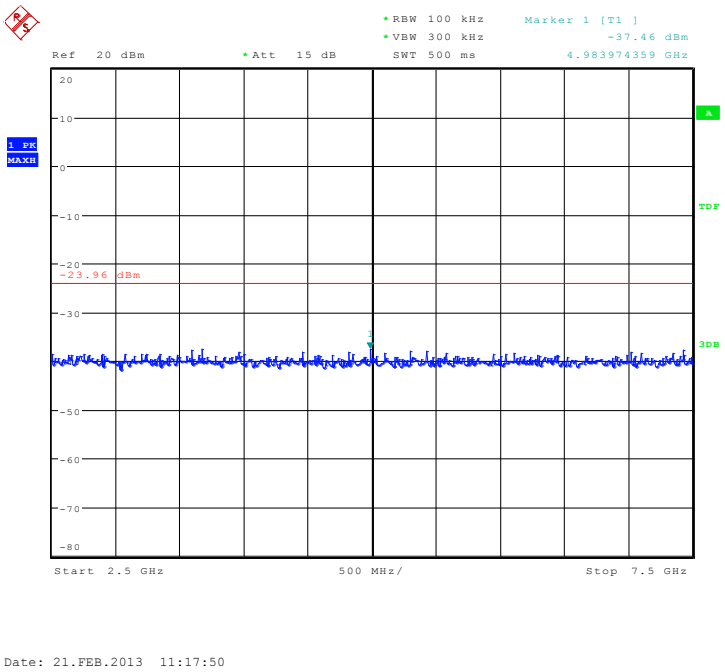

Fig. 192 Conducted Spurious Emission (802.11n-HT40, Ch9, 2.5GHz-7.5 GHz)

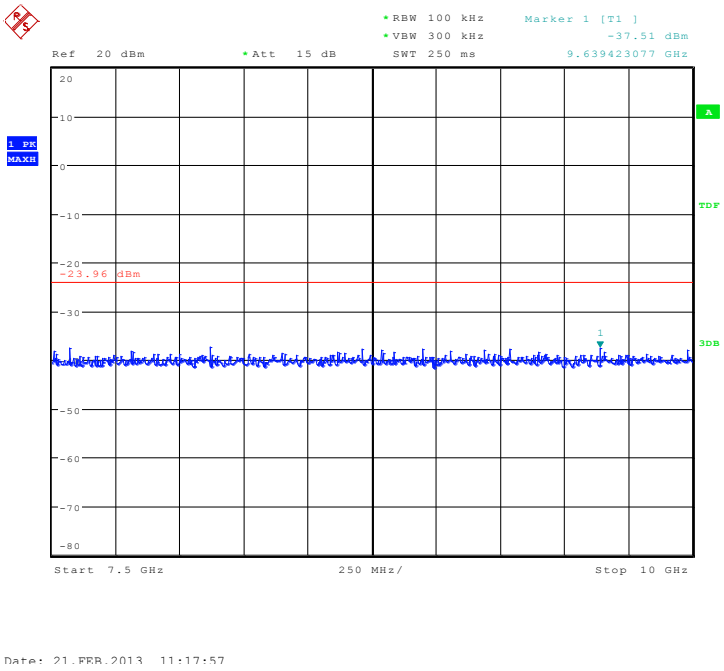

Fig. 193 Conducted Spurious Emission (802.11n-HT40, Ch9, 7.5GHz-10 GHz)

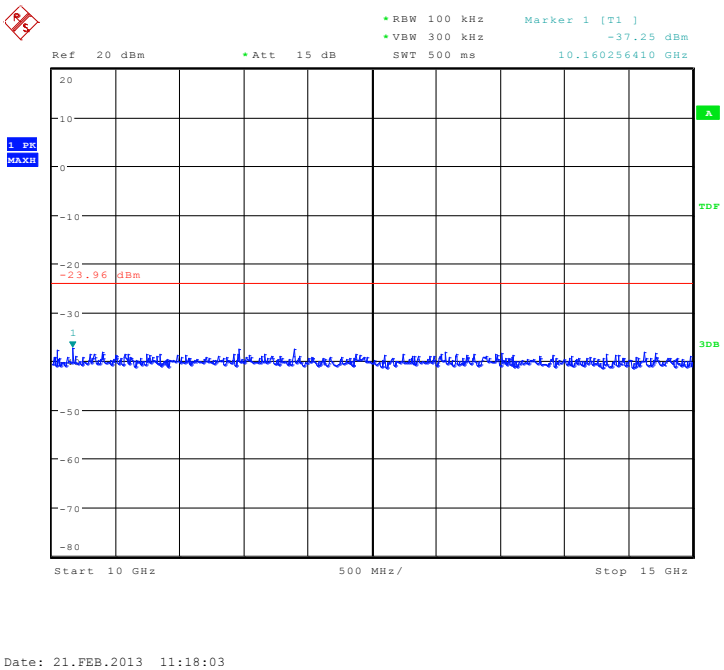

Fig. 194 Conducted Spurious Emission (802.11n-HT40, Ch9, 10GHz-15 GHz)

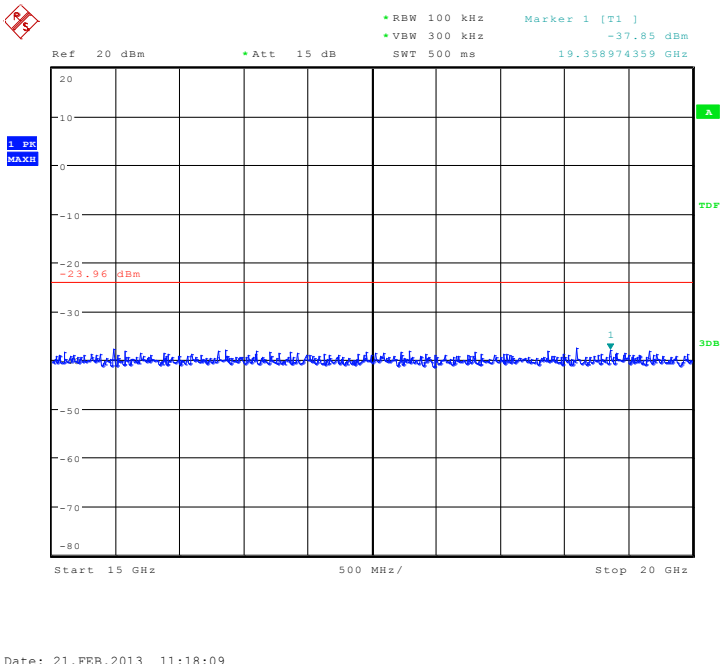

Fig. 195 Conducted Spurious Emission (802.11n-HT40, Ch9, 15GHz-20 GHz)

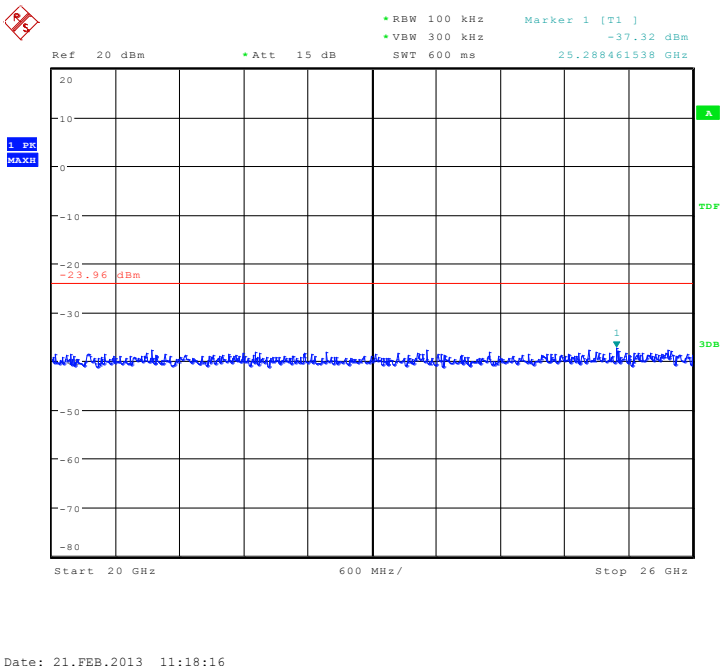

Fig. 196 Conducted Spurious Emission (802.11n-HT40, Ch9, 20GHz-28 GHz)

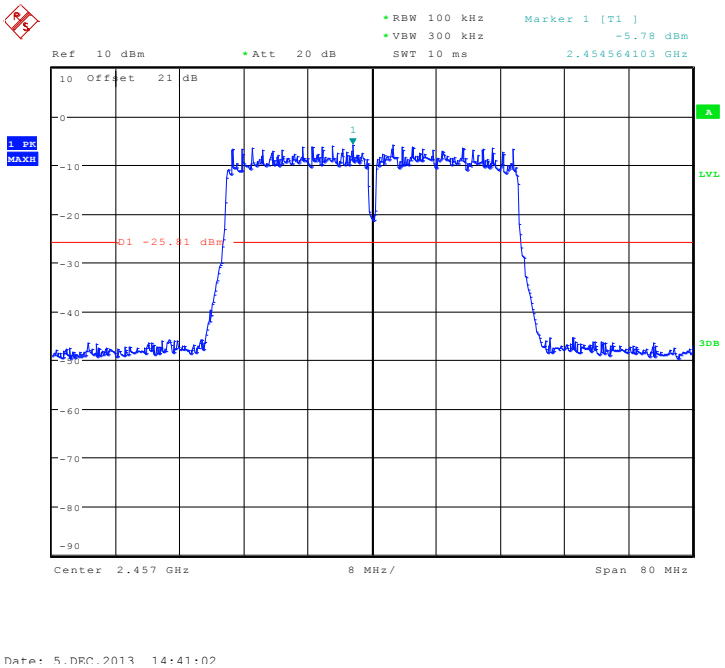

Fig. 197 Conducted Spurious Emission (802.11n-HT40, Ch10, Center Frequency)

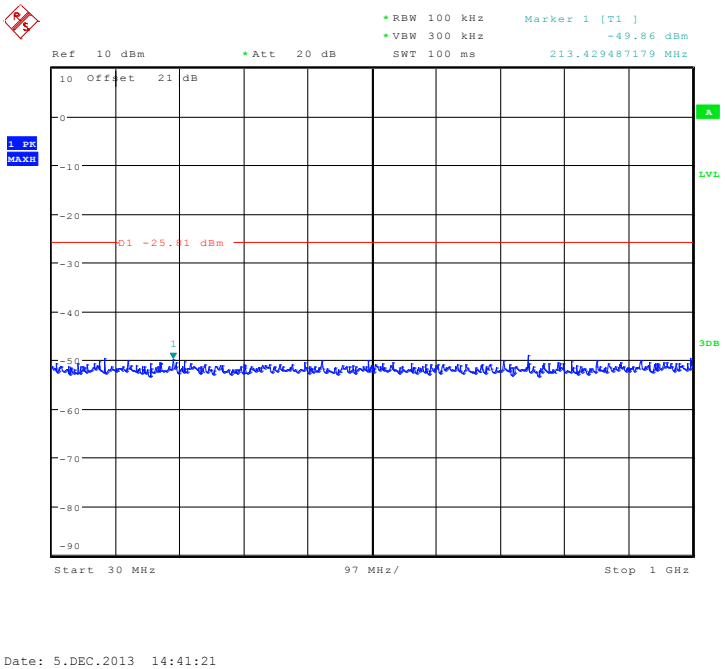

Fig. 198 Conducted Spurious Emission (802.11n-HT40, Ch10, 30 MHz-1 GHz)

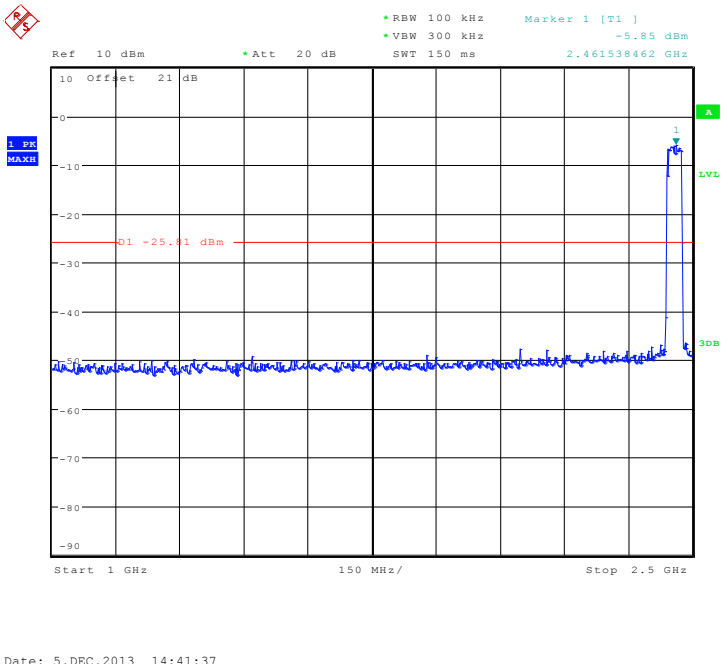

Fig. 199 Conducted Spurious Emission (802.11n-HT40, Ch10, 1 GHz-2.5 GHz)

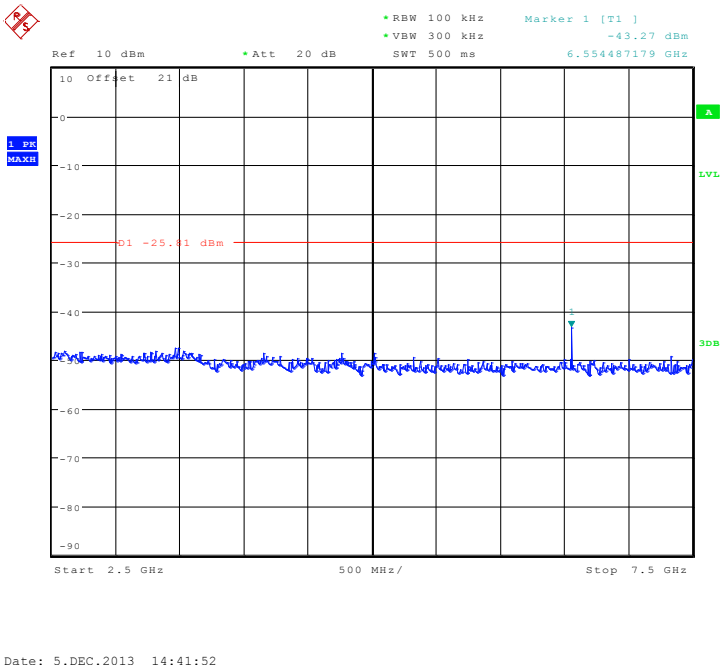

Fig. 200 Conducted Spurious Emission (802.11n-HT40, Ch10, 2.5 GHz-7.5 GHz)

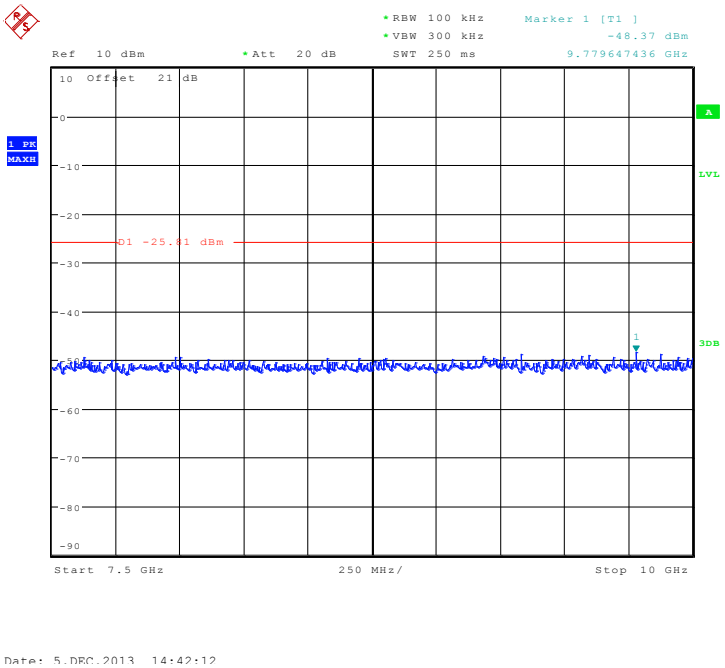

Fig. 201 Conducted Spurious Emission (802.11n-HT40, Ch10, 7.5 GHz-10 GHz)

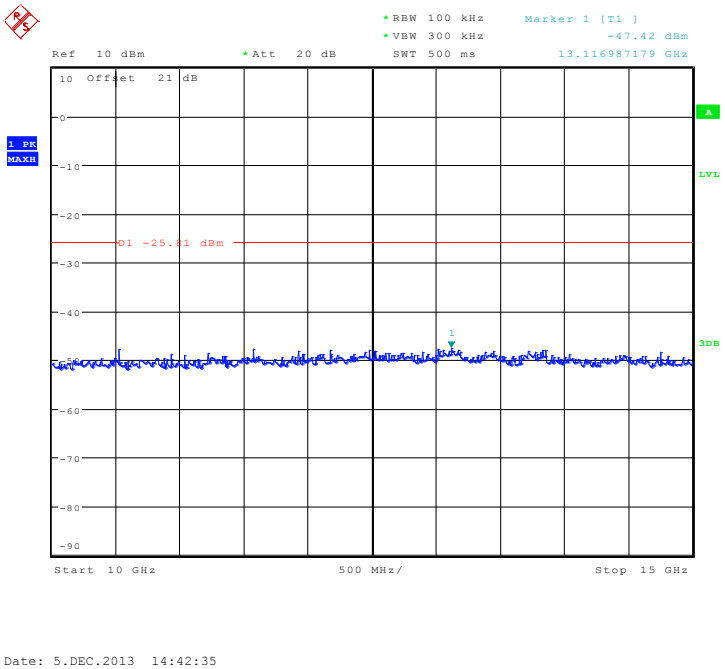

Fig. 202 Conducted Spurious Emission (802.11n-HT40, Ch10, 10 GHz-15 GHz)

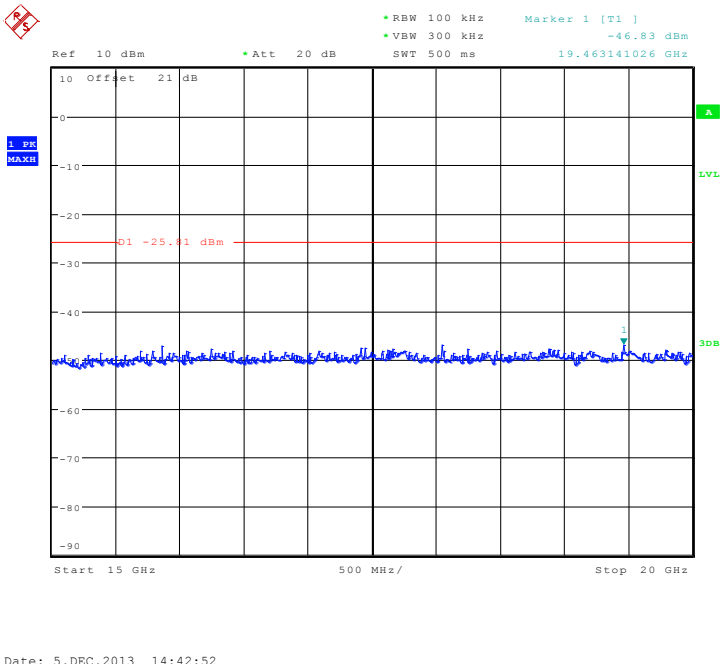

Fig. 203 Conducted Spurious Emission (802.11n-HT40, Ch10, 15 GHz-20 GHz)

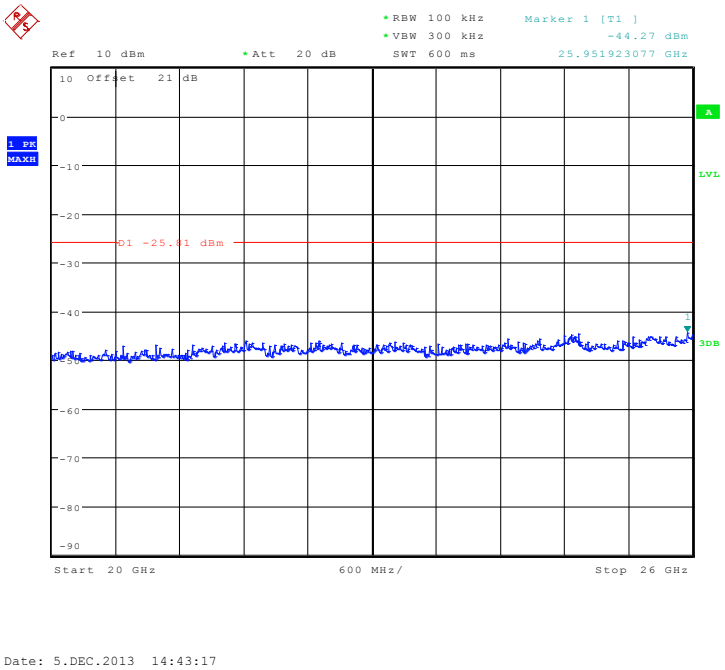

Fig. 204 Conducted Spurious Emission (802.11n-HT40, Ch10, 20 GHz-26 GHz)

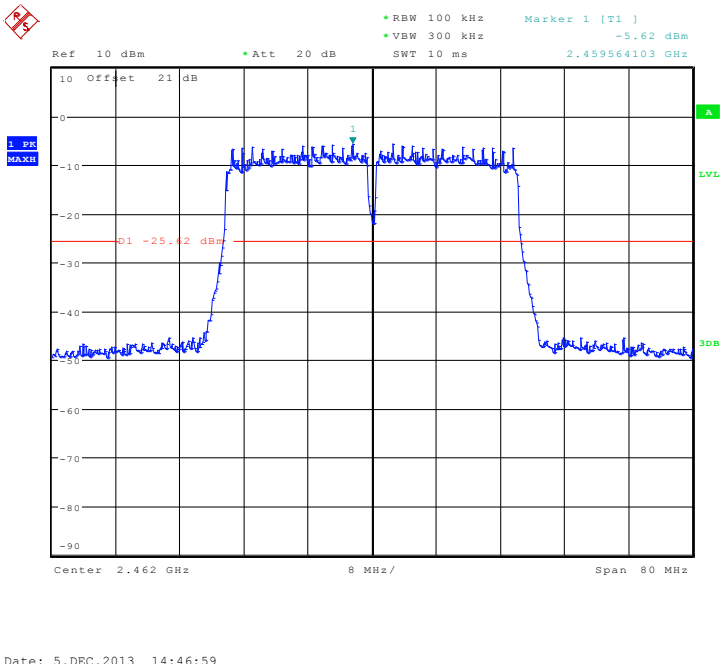

Fig. 205 Conducted Spurious Emission (802.11n-HT40, Ch11, Center Frequency)

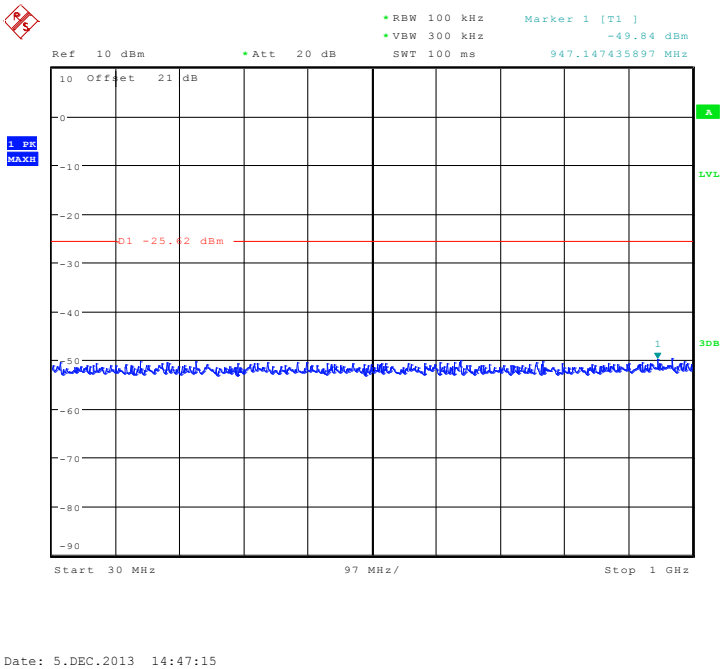

Fig. 206 Conducted Spurious Emission (802.11n-HT40, Ch11, 30 MHz-1 GHz)

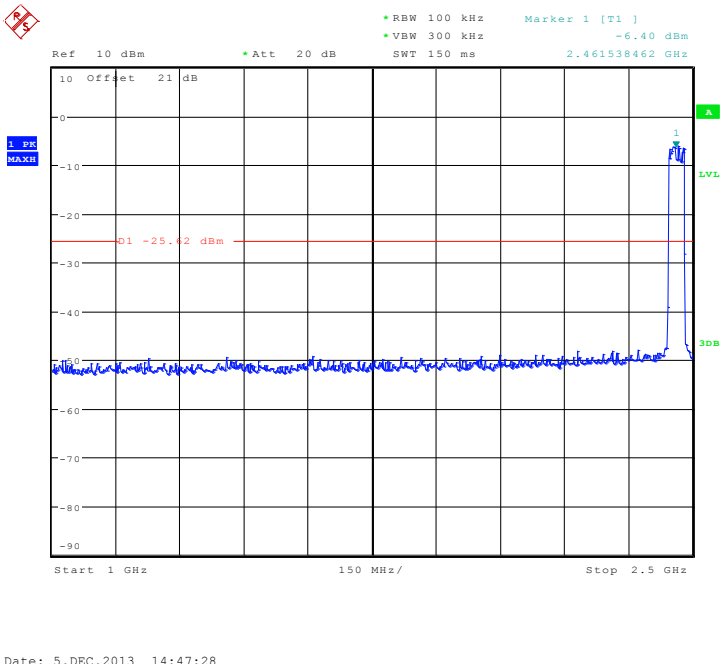

Fig. 207 Conducted Spurious Emission (802.11n-HT40, Ch11, 1 GHz-2.5 GHz)

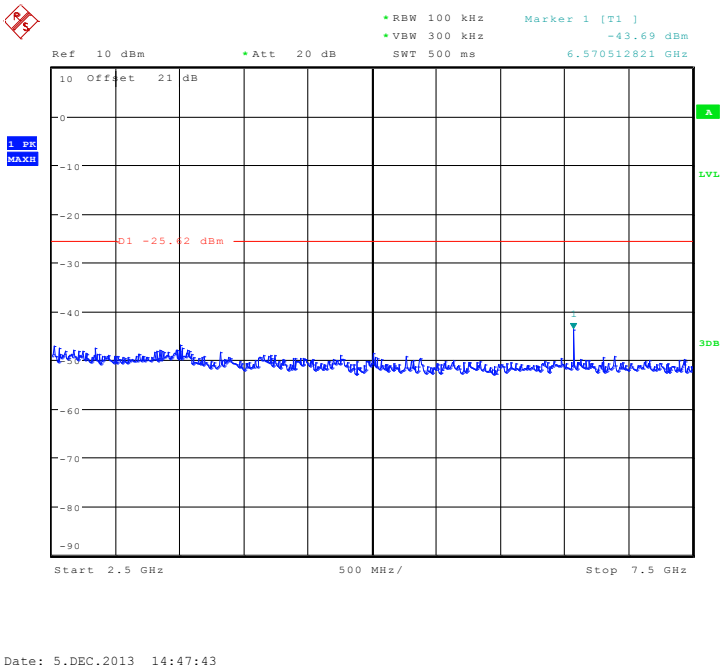

Fig. 208 Conducted Spurious Emission (802.11n-HT40, Ch11, 2.5 GHz-7.5 GHz)

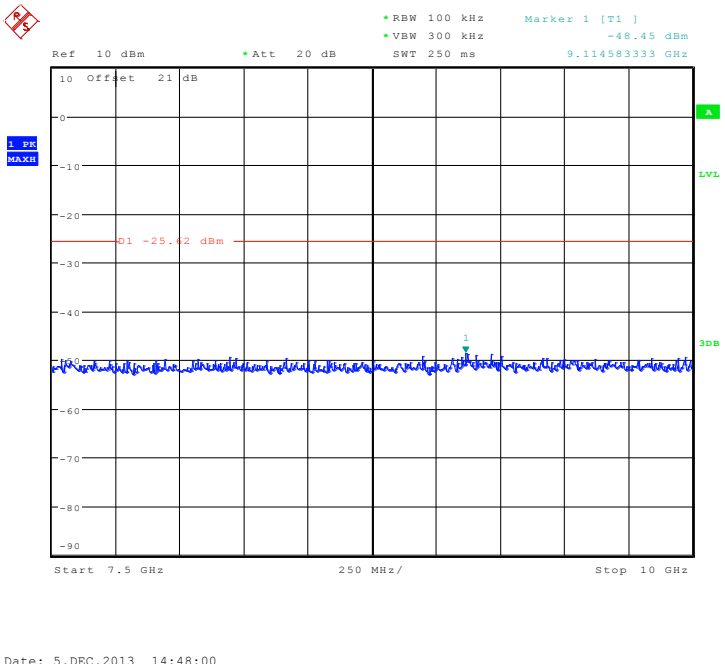

Fig. 209 Conducted Spurious Emission (802.11n-HT40, Ch11, 7.5 GHz-10 GHz)

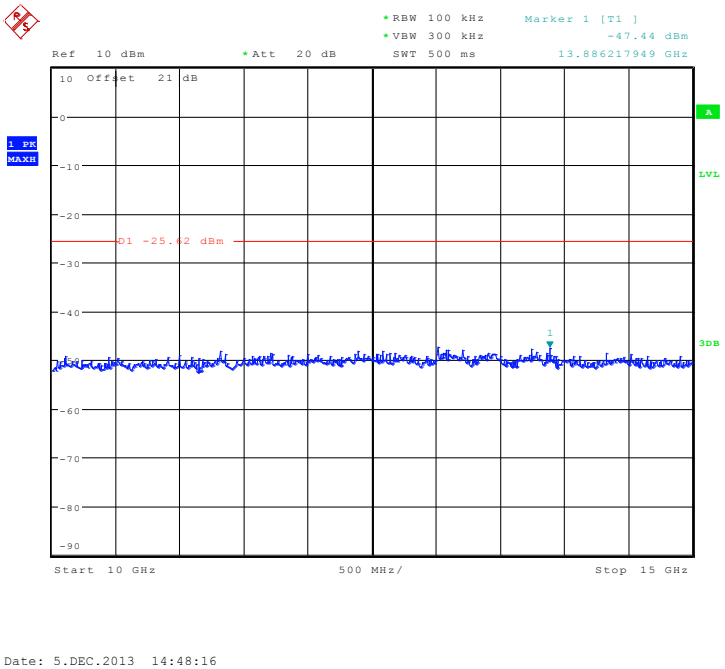

Fig. 210 Conducted Spurious Emission (802.11n-HT40, Ch11, 10 GHz-15 GHz)

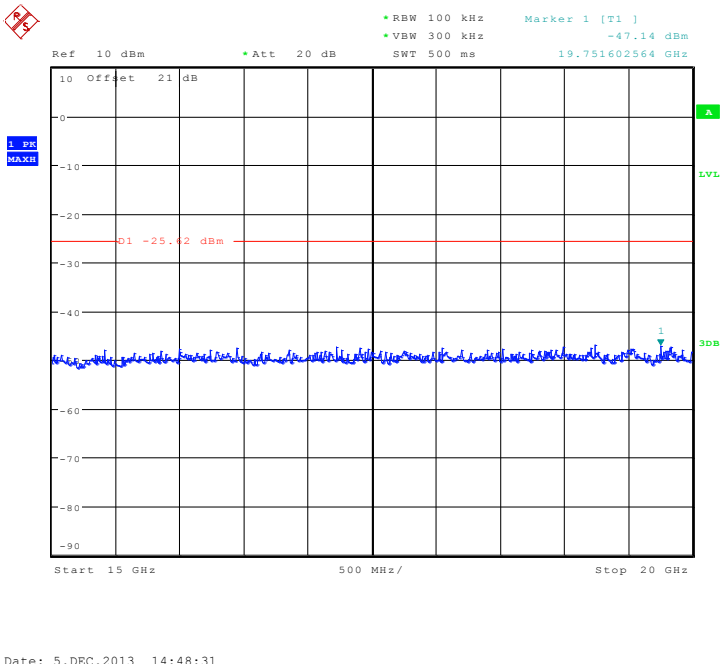

Fig. 211 Conducted Spurious Emission (802.11n-HT40, Ch11, 15 GHz-20 GHz)

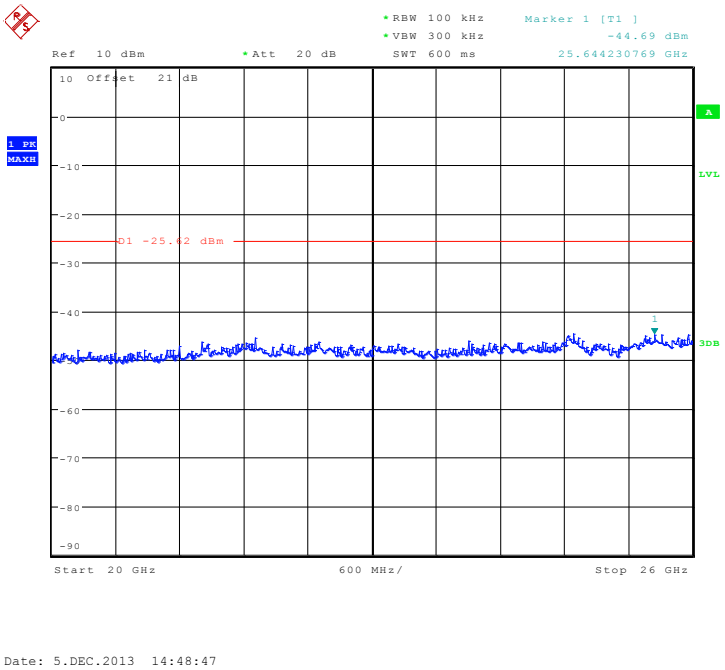

Fig. 212 Conducted Spurious Emission (802.11n-HT40, Ch11, 20 GHz-26 GHz)

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 ANSI C63.10.

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

Measurement Results:

802.11b/g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power	2.38GHz ~2.45GHz	Fig.213	P
	1	30 MHz ~1 GHz	Fig.214	P
		1 GHz ~ 3 GHz	Fig.215	P
		3 GHz ~ 18 GHz	Fig.216	P
	6	30 MHz ~1 GHz	Fig.217	P
		1 GHz ~ 3 GHz	Fig.218	P
		3 GHz ~ 18 GHz	Fig.219	P
	Power	2.45GHz ~2.5GHz	Fig.220	P
	11	30 MHz ~1 GHz	Fig.221	P
		1 GHz ~ 3 GHz	Fig.222	P
		3 GHz ~ 18 GHz	Fig.223	P
	Power	2.45GHz ~2.5GHz	Fig.224	P
	12	30 MHz ~1 GHz	Fig.225	P
		1 GHz ~ 3 GHz	Fig.226	P
		3 GHz ~ 18 GHz	Fig.227	P
	Power	2.45GHz ~2.5GHz	Fig.228	P
	13	30 MHz ~1 GHz	Fig.229	P
		1 GHz ~ 3 GHz	Fig.230	P
		3 GHz ~ 18 GHz	Fig.231	P
802.11g	Power	2.38GHz ~2.43GHz	Fig.232	P
	1	30 MHz ~1 GHz	Fig.233	P
		1 GHz ~ 3 GHz	Fig.234	P
		3 GHz ~ 18 GHz	Fig.235	P
	6	30 MHz ~1 GHz	Fig.236	P
		1 GHz ~ 3 GHz	Fig.237	P
		3 GHz ~ 18 GHz	Fig.238	P
	Power	2.45GHz ~2.5GHz	Fig.239	P
	11	30 MHz ~1 GHz	Fig.240	P
		1 GHz ~ 3 GHz	Fig.241	P
		3 GHz ~ 18 GHz	Fig.242	P
	Power	2.45GHz ~2.5GHz	Fig.243	P
	12	30 MHz ~1 GHz	Fig.244	P
		1 GHz ~ 3 GHz	Fig.245	P
		3 GHz ~ 18 GHz	Fig.246	P
	Power	2.45GHz ~2.5GHz	Fig.247	P
	13	30 MHz ~1 GHz	Fig.248	P
		1 GHz ~ 3 GHz	Fig.249	P
		3 GHz ~ 18 GHz	Fig.250	P

802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	Power	2.38GHz ~2.45GHz	Fig.251	P
	1	30 MHz ~1 GHz	Fig.252	P
		1 GHz ~ 3 GHz	Fig.253	P
		3 GHz ~ 18 GHz	Fig.254	P
	6	30 MHz ~1 GHz	Fig.255	P
		1 GHz ~ 3 GHz	Fig.256	P
		3 GHz ~ 18 GHz	Fig.257	P
	Power	2.45GHz ~2.5GHz	Fig.258	P
	11	30 MHz ~1 GHz	Fig.259	P
		1 GHz ~ 3 GHz	Fig.260	P
		3 GHz ~ 18 GHz	Fig.261	P
	Power	2.45GHz ~2.5GHz	Fig.262	P
	12	30 MHz ~1 GHz	Fig.263	P
		1 GHz ~ 3 GHz	Fig.264	P
		3 GHz ~ 18 GHz	Fig.265	P
	Power	2.45GHz ~2.5GHz	Fig.266	P
	13	30 MHz ~1 GHz	Fig.267	P
		1 GHz ~ 3 GHz	Fig.268	P
		3 GHz ~ 18 GHz	Fig.269	P
802.11n (40MHz)	Power	2.38GHz ~2.45GHz	Fig.270	P
	3	30 MHz ~1 GHz	Fig.271	P
		1 GHz ~ 3 GHz	Fig.272	P
		3 GHz ~ 18 GHz	Fig.273	P
	6	30 MHz ~1 GHz	Fig.274	P
		1 GHz ~ 3 GHz	Fig.275	P
		3 GHz ~ 18 GHz	Fig.276	P
	Power	2.45GHz ~2.5GHz	Fig.277	P
	9	30 MHz ~1 GHz	Fig.278	P
		1 GHz ~ 3 GHz	Fig.279	P
		3 GHz ~ 18 GHz	Fig.280	P
	Power	2.45GHz ~2.5GHz	Fig.281	P
	10	30 MHz ~1 GHz	Fig.282	P
		1 GHz ~ 3 GHz	Fig.283	P
		3 GHz ~ 18 GHz	Fig.284	P
	Power	2.45GHz ~2.5GHz	Fig.285	P
	11	30 MHz ~1 GHz	Fig.286	P
		1 GHz ~ 3 GHz	Fig.287	P
		3 GHz ~ 18 GHz	Fig.288	P
/	All channels	18 GHz~ 26.5 GHz	Fig.289	P

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:

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

802.11b

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17500.500	43.7	-25.3	42.8	26.227	H
17488.500	43.6	-25.3	43.0	25.857	V
17997.750	43.6	-24.7	42.3	26.054	V
17503.500	43.6	-25.3	42.8	26.127	H
17495.250	43.6	-25.3	43.0	25.857	V
17518.500	43.6	-25.3	42.8	26.127	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17481.750	43.7	-25.3	43.0	25.957	V
17518.500	43.6	-25.3	42.8	26.127	H
17995.500	43.6	-24.7	42.3	26.054	V
17506.500	43.6	-25.3	42.8	26.127	H
17508.000	43.6	-25.3	42.8	26.127	H
17526.750	43.5	-25.3	42.9	25.867	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17532.750	43.8	-25.3	42.9	26.167	V
17519.250	43.6	-25.3	42.8	26.127	H
17544.000	43.6	-25.3	42.9	25.967	H
17998.500	43.6	-24.7	42.3	26.054	H
17508.000	43.5	-25.3	42.8	26.027	V
17499.000	43.5	-25.3	43.0	25.757	V

Ch12

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2483.763	49.1	-38.9	27.7	60.300	H
17997.000	52.1	-17.7	45.6	24.200	V
17929.500	51.6	-17.7	45.6	23.700	V
17938.500	51.4	-17.7	45.6	23.500	H
17998.500	51.0	-17.7	45.6	23.100	V
17805.000	51.0	-18.5	45.6	23.900	V

Ch13

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2486.150	50.2	-38.9	27.7	61.400	V
17908.500	52.8	-18.5	45.6	25.700	H
17751.000	52.5	-18.5	45.6	25.400	H
17896.500	52.3	-18.5	45.6	25.200	V
17769.000	52.3	-18.5	45.6	25.200	V
17997.000	51.8	-17.7	45.6	23.900	H

802.11g

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17499.750	43.6	-25.3	43.0	25.857	H
17546.250	43.6	-25.3	42.9	25.967	H
17529.750	43.6	-25.3	42.9	25.967	V
17499.000	43.6	-25.3	43.0	25.857	V
17520.000	43.6	-25.3	42.8	26.127	H
17484.750	43.6	-25.3	43.0	25.857	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17517.750	43.8	-25.3	42.8	26.327	H
17494.500	43.8	-25.3	43.0	26.057	H
17535.000	43.7	-25.3	42.9	26.067	V
17499.000	43.6	-25.3	43.0	25.857	H
17482.500	43.6	-25.3	43.0	25.857	H
17987.250	43.6	-25.2	42.3	26.568	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17503.500	43.7	-25.3	42.8	26.227	H
17497.500	43.6	-25.3	43.0	25.857	H
17539.500	43.6	-25.3	42.9	25.967	H
17502.750	43.6	-25.3	42.8	26.127	H
17512.500	43.6	-25.3	42.8	26.127	V
17486.250	43.6	-25.3	43.0	25.857	H

Ch12

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2483.500	44.7	-38.9	27.7	55.900	H
17892.000	52.8	-18.5	45.6	25.700	V
17941.500	52.2	-17.7	45.6	24.300	V
17980.500	52.0	-17.7	45.6	24.100	H
17926.500	52.0	-17.7	45.6	24.100	V
18000.000	51.9	-45.6	44.5	52.966	H

Ch13

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2484.206	46.6	-38.9	27.7	57.800	H
17835.000	53.3	-18.5	45.6	26.200	H
17953.500	52.6	-17.7	45.6	24.700	V
17784.000	52.1	-18.5	45.6	25.000	V
17805.000	51.8	-18.5	45.6	24.700	V
17860.500	51.7	-18.5	45.6	24.600	V

802.11n-HT20

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17521.500	43.8	-25.3	42.8	26.327	V
17505.000	43.7	-25.3	42.8	26.227	V
17498.250	43.6	-25.3	43.0	25.857	V
17514.750	43.6	-25.3	42.8	26.127	H
17496.750	43.6	-25.3	43.0	25.857	V
17505.750	43.5	-25.3	42.8	26.027	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17495.250	43.7	-25.3	43.0	25.957	H
17496.000	43.6	-25.3	43.0	25.857	V
17504.250	43.6	-25.3	42.8	26.127	H
17494.500	43.6	-25.3	43.0	25.857	V
17515.500	43.6	-25.3	42.8	26.127	H
17546.250	43.6	-25.3	42.9	25.967	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17495.250	43.7	-25.3	43.0	25.957	H
17997.000	43.6	-24.7	42.3	26.054	V
17971.500	43.6	-25.2	42.7	26.128	H
17491.500	43.6	-25.3	43.0	25.857	V
17496.750	43.6	-25.3	43.0	25.857	H
17996.250	43.6	-24.7	42.3	26.054	H

Ch12

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2483.500	44.0	-38.9	27.7	55.200	V
17848.500	53.3	-18.5	45.6	26.200	H
17802.000	52.4	-18.5	45.6	25.300	V
17851.500	51.8	-18.5	45.6	24.700	H
17884.500	51.2	-18.5	45.6	24.100	V
17862.000	51.1	-18.5	45.6	24.000	H

Ch13

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2484.031	46.8	-38.9	27.7	58.000	V
17932.500	52.6	-17.7	45.6	24.700	H
17857.500	51.7	-18.5	45.6	24.600	H
17938.500	51.4	-17.7	45.6	23.500	V
17917.500	51.2	-17.7	45.6	23.300	V
17949.000	51.1	-17.7	45.6	23.200	V

802.11n-HT40

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17504.250	43.7	-25.3	42.8	26.227	H
17503.500	43.7	-25.3	42.8	26.227	H
17500.500	43.6	-25.3	42.8	26.127	V
17493.750	43.5	-25.3	43.0	25.757	H
17506.500	43.5	-25.3	42.8	26.027	V
17537.250	43.5	-25.3	42.9	25.867	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17523.750	43.7	-25.3	42.8	26.227	H
17487.750	43.6	-25.3	43.0	25.857	H
17489.250	43.6	-25.3	43.0	25.857	V
17513.250	43.6	-25.3	42.8	26.127	V
17501.250	43.6	-25.3	42.8	26.127	V
17493.000	43.5	-25.3	43.0	25.757	V

Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
17517.750	43.8	-25.3	42.8	26.327	H
17494.500	43.8	-25.3	43.0	26.057	H
17535.000	43.7	-25.3	42.9	26.067	V
17499.000	43.6	-25.3	43.0	25.857	H
17482.500	43.6	-25.3	43.0	25.857	H
17987.250	43.6	-25.2	42.3	26.568	H

Ch10

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2488.038	53.4	-38.9	27.7	64.600	V
17932.500	52.0	-17.7	45.6	24.100	V
17745.000	52.0	-18.5	45.6	24.900	H
17931.000	51.9	-17.7	45.6	24.000	V
17968.500	51.8	-17.7	45.6	23.900	H
17997.000	51.7	-17.7	45.6	23.800	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
2484.175	52.1	-38.9	27.7	63.300	V
18000.000	52.6	-45.6	44.5	53.666	H
17880.000	51.8	-18.5	45.6	24.700	V
17778.000	51.4	-18.5	45.6	24.300	H
17625.000	51.1	-18.9	45.6	24.400	V
17782.500	50.9	-18.5	45.6	23.800	H

Test graphs as below:

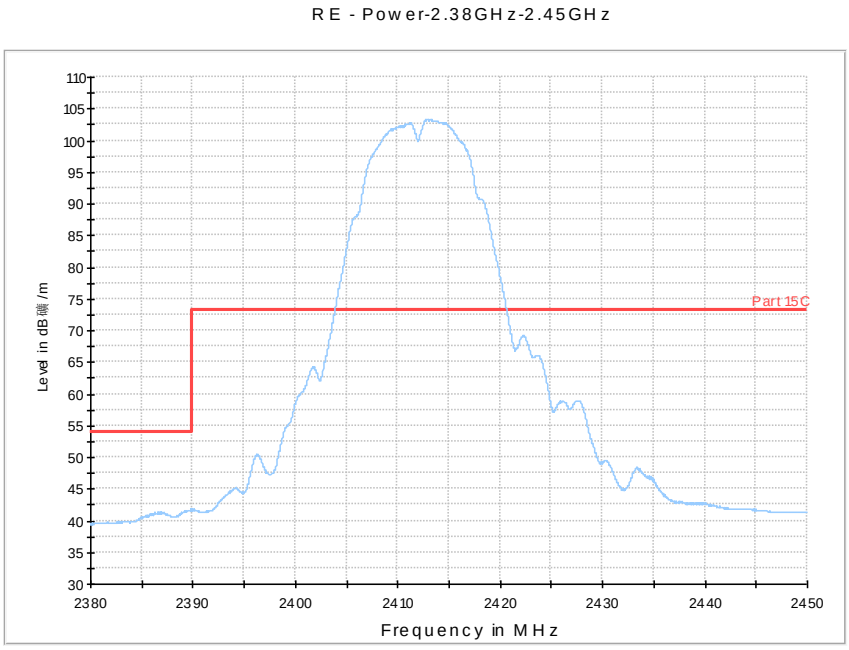

Fig. 213 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz - 245GHz

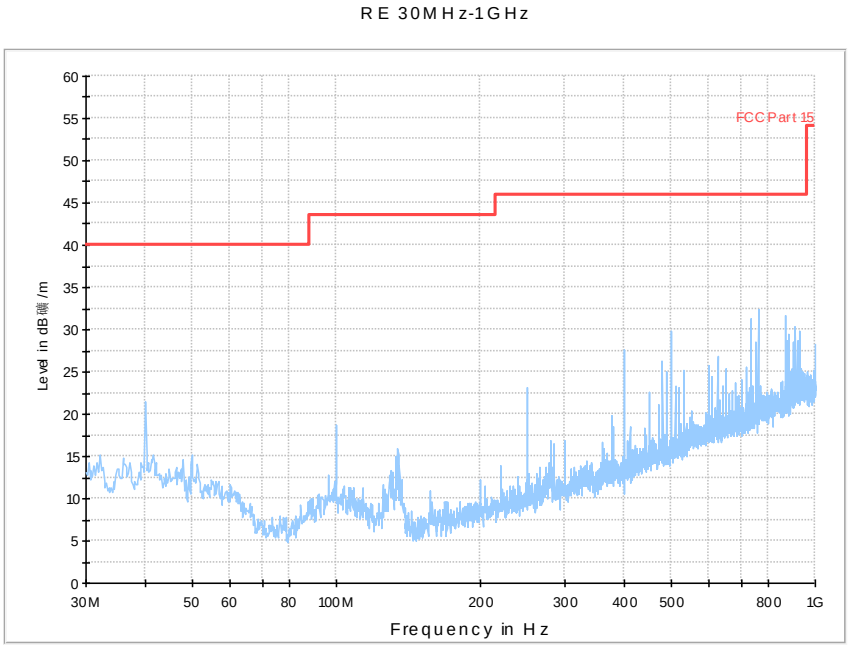

Fig. 214 Radiated Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)

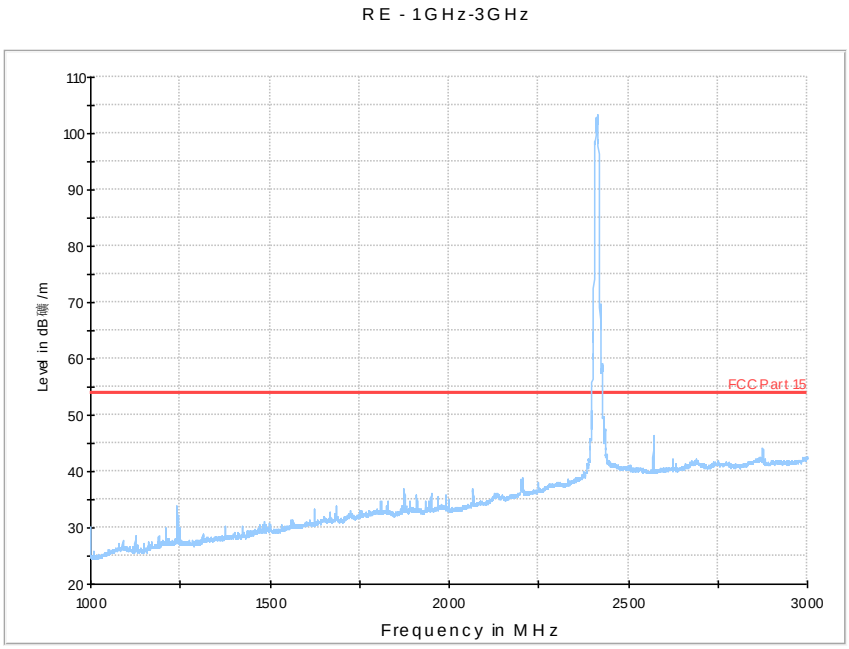

Fig. 215 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)

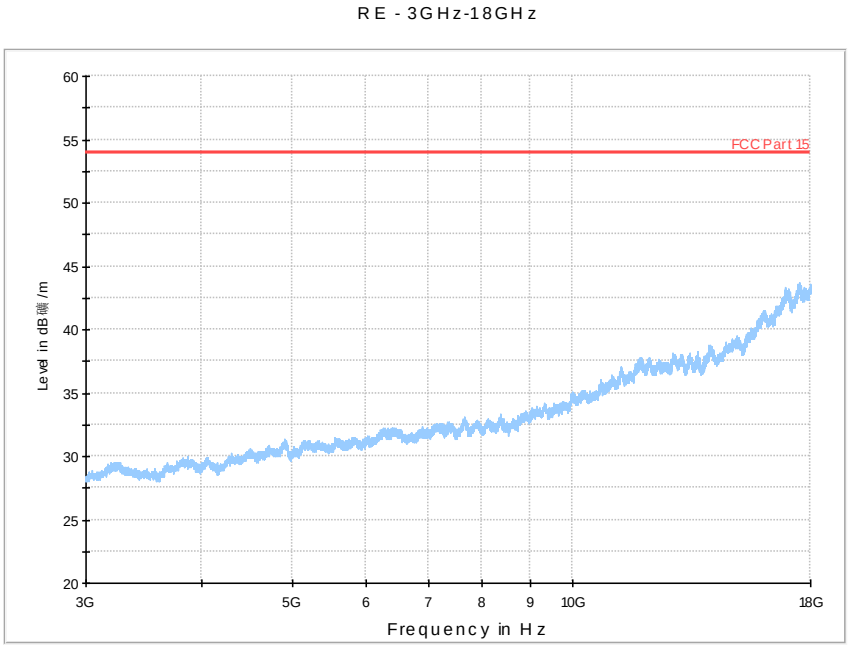

Fig. 216 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

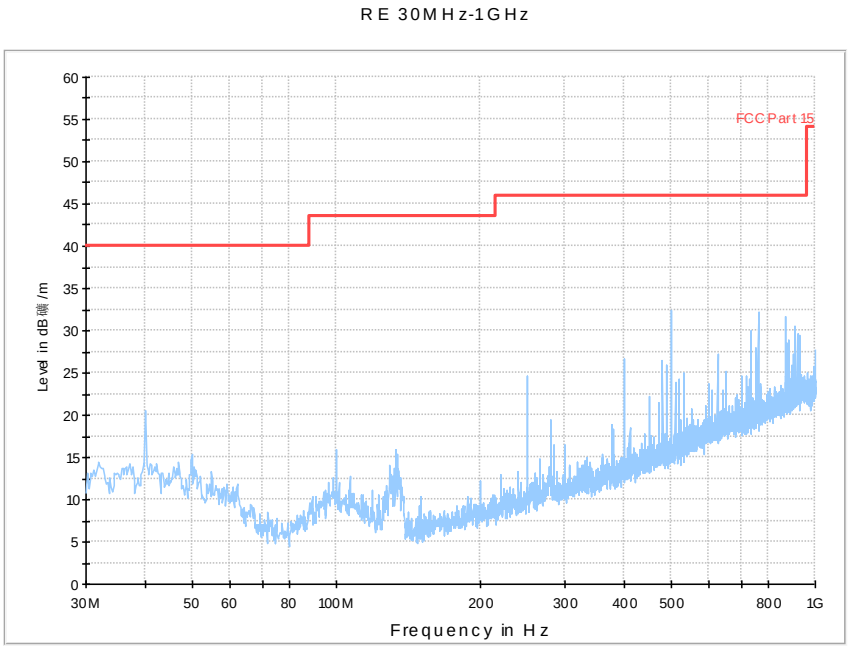

Fig. 217 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

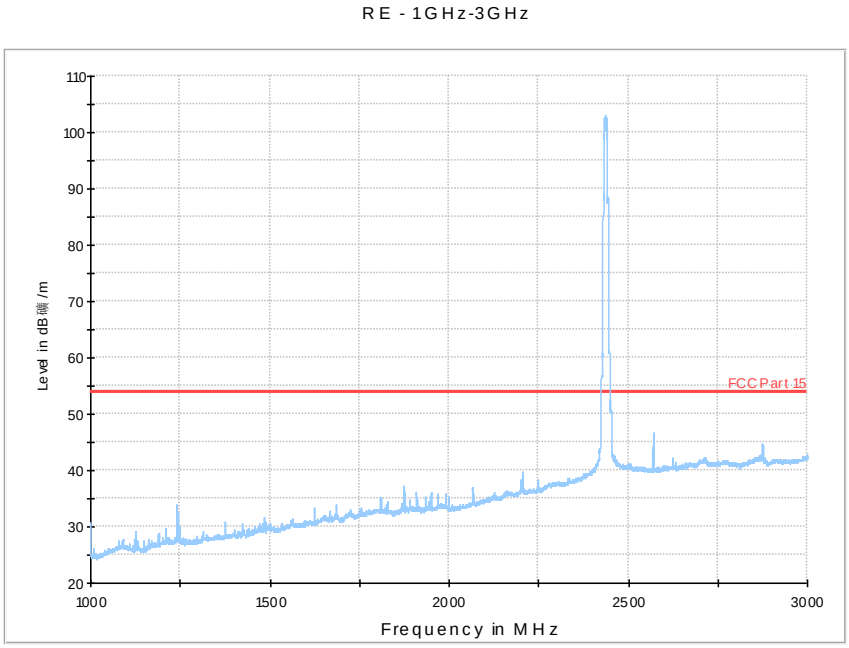

Fig. 218 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)

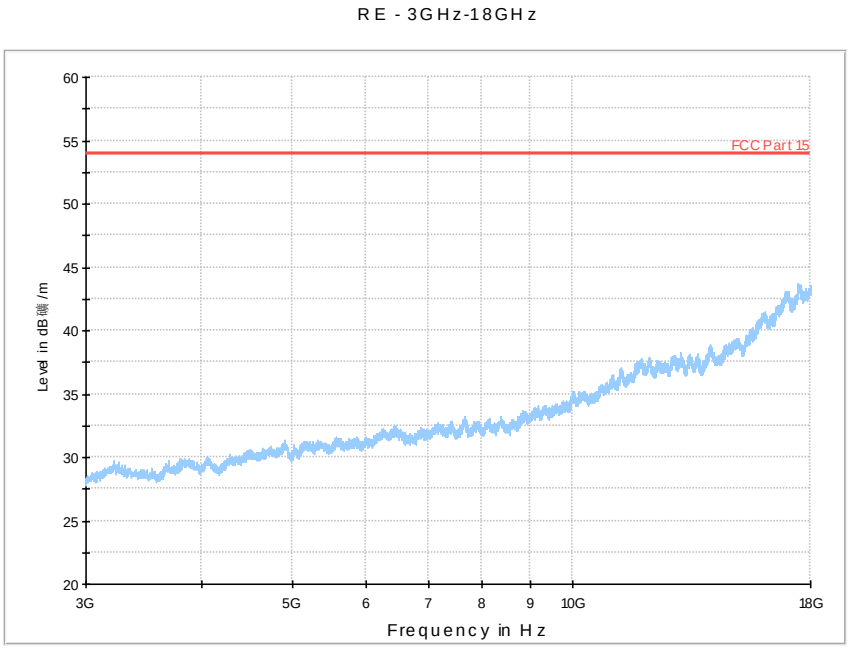

Fig. 219 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

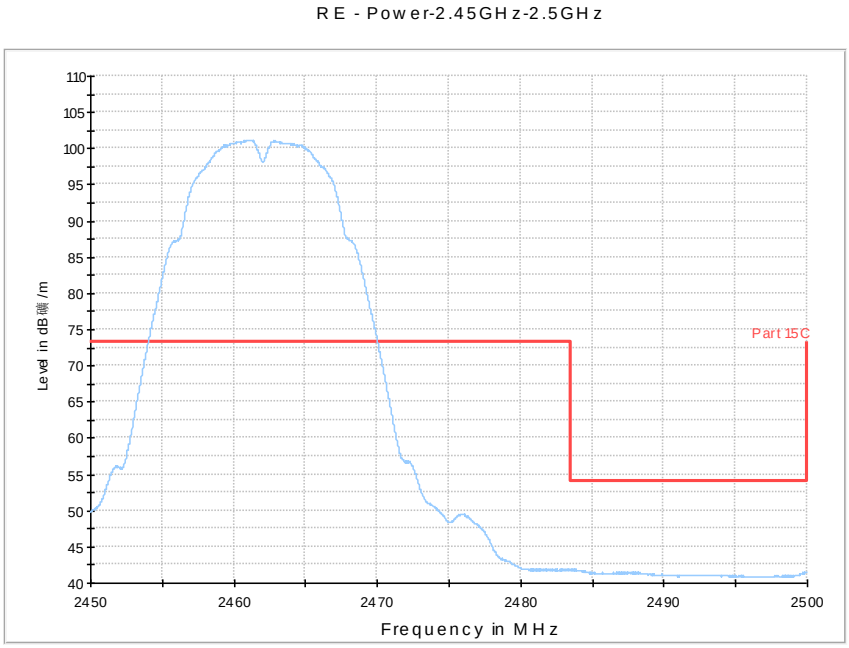

Fig. 220 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

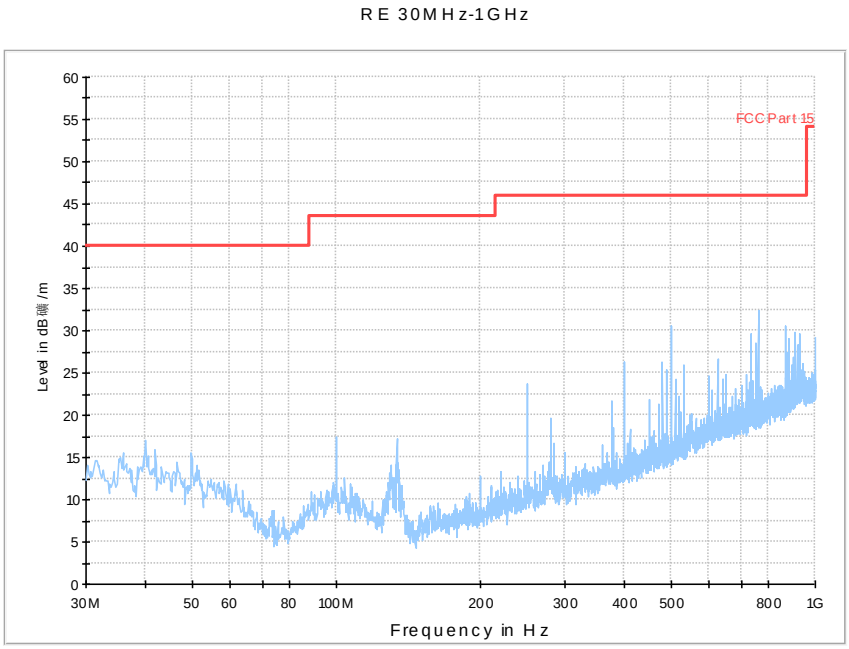

Fig. 221 Radiated Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)

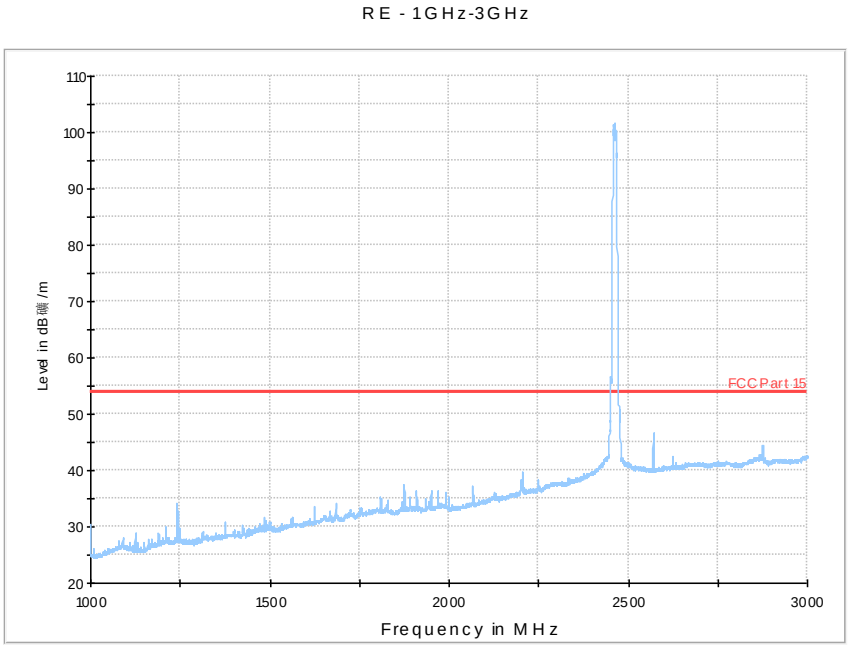

Fig. 222 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)

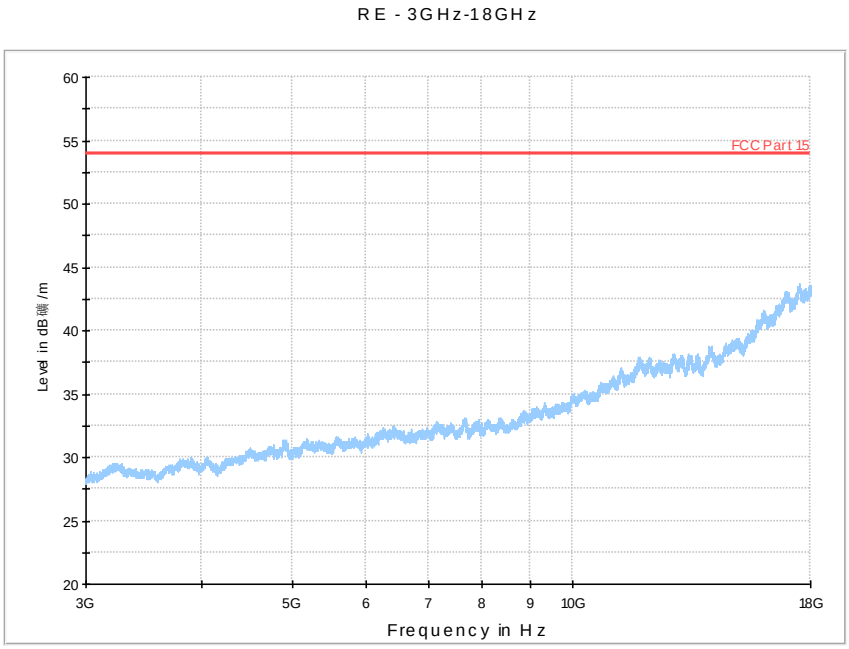

Fig. 223 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

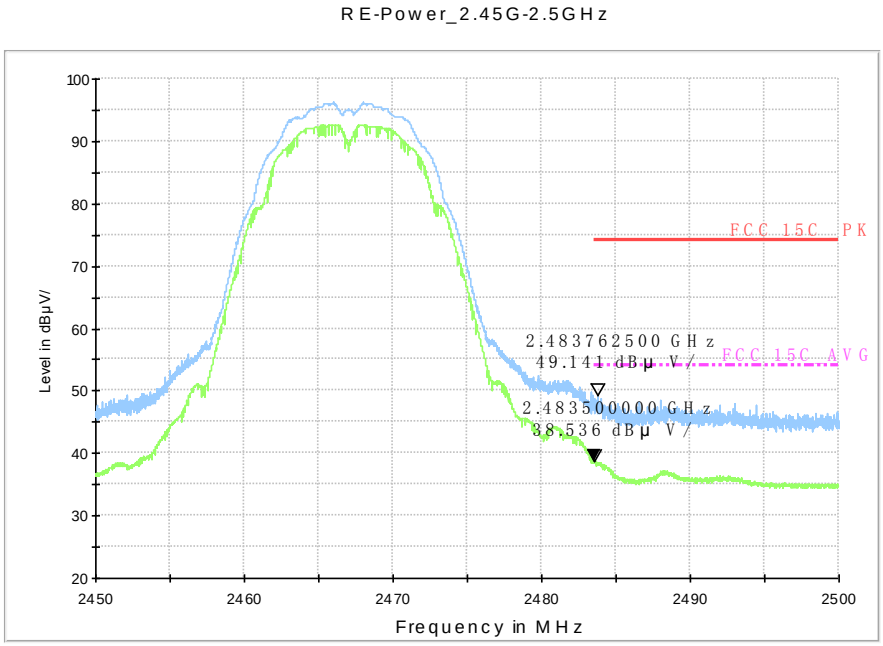

Fig. 224 Radiated Spurious Emission (Power): 802.11b, ch12, 2.45 GHz - 2.50GHz

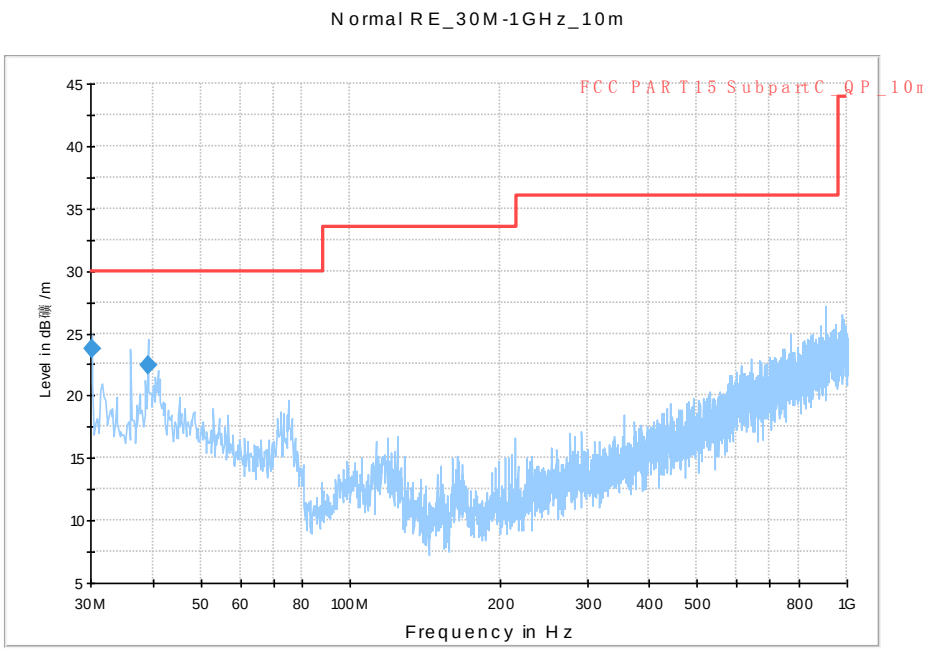

Fig. 225 Radiated Spurious Emission (802.11b, Ch12, 30 MHz-1 GHz)

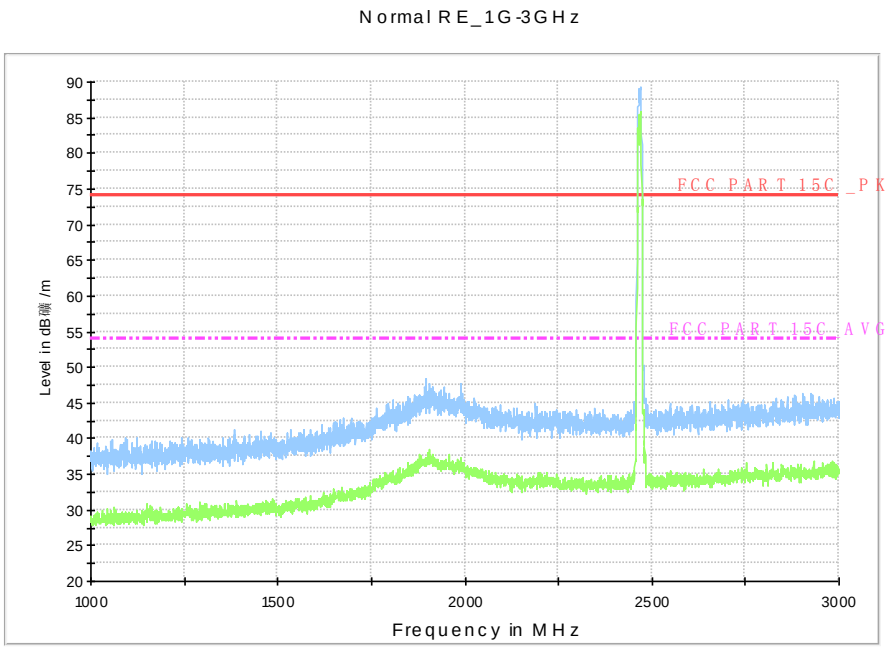

Fig. 226 Radiated Spurious Emission (802.11b, Ch12, 1 GHz-3 GHz)

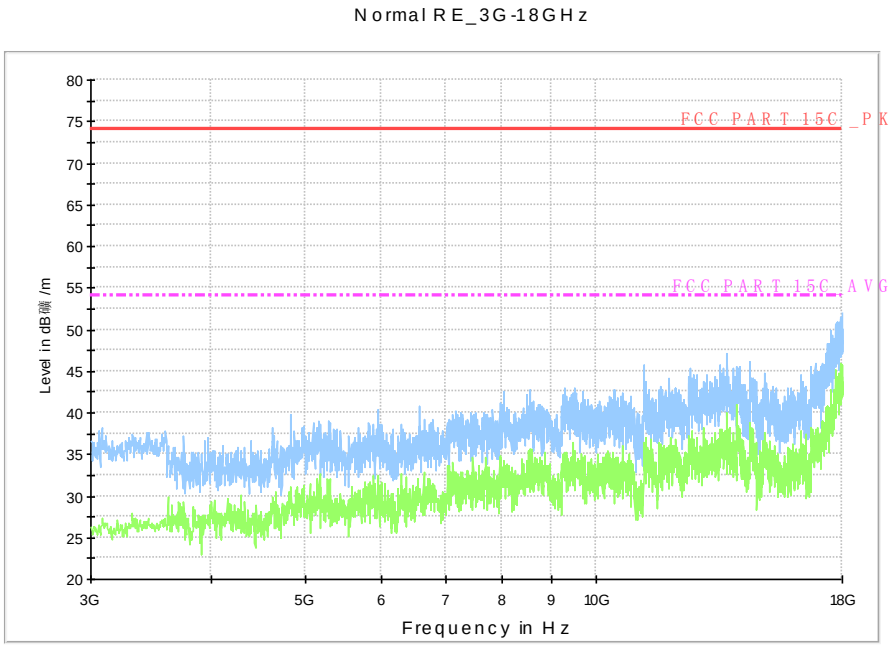

Fig. 227 Radiated Spurious Emission (802.11b, Ch12, 3 GHz-18 GHz)

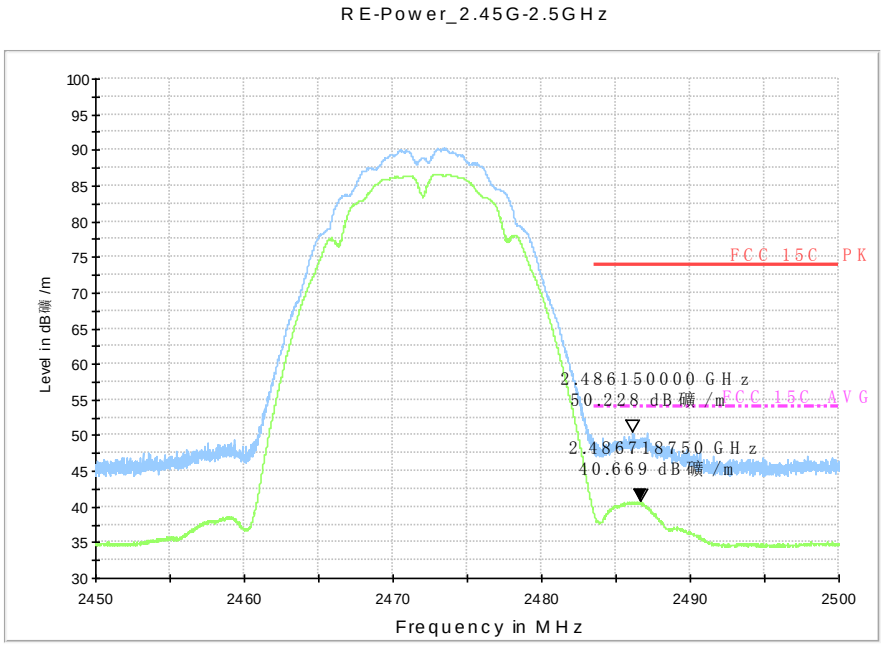

Fig. 228 Radiated Spurious Emission (Power): 802.11b, ch13, 2.45 GHz - 2.50GHz

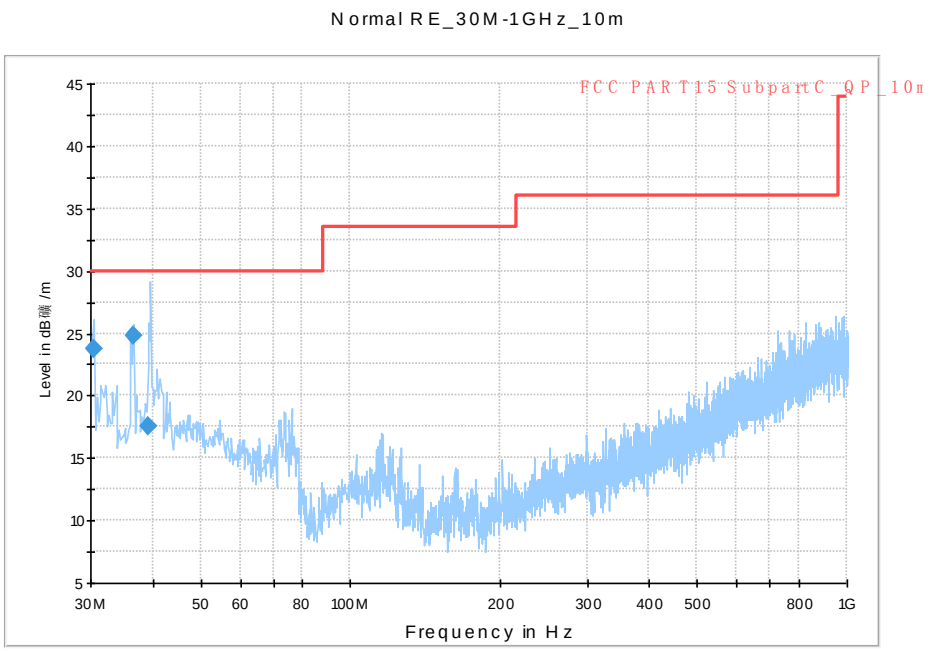

Fig. 229 Radiated Spurious Emission (802.11b, Ch13, 30 MHz-1 GHz)

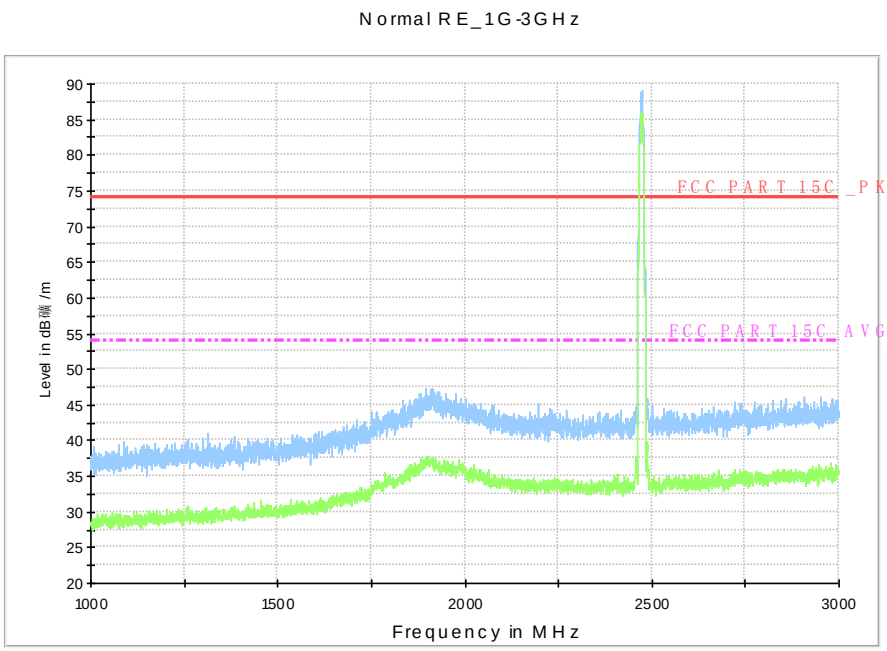

Fig. 230 Radiated Spurious Emission (802.11b, Ch13, 1 GHz-3 GHz)

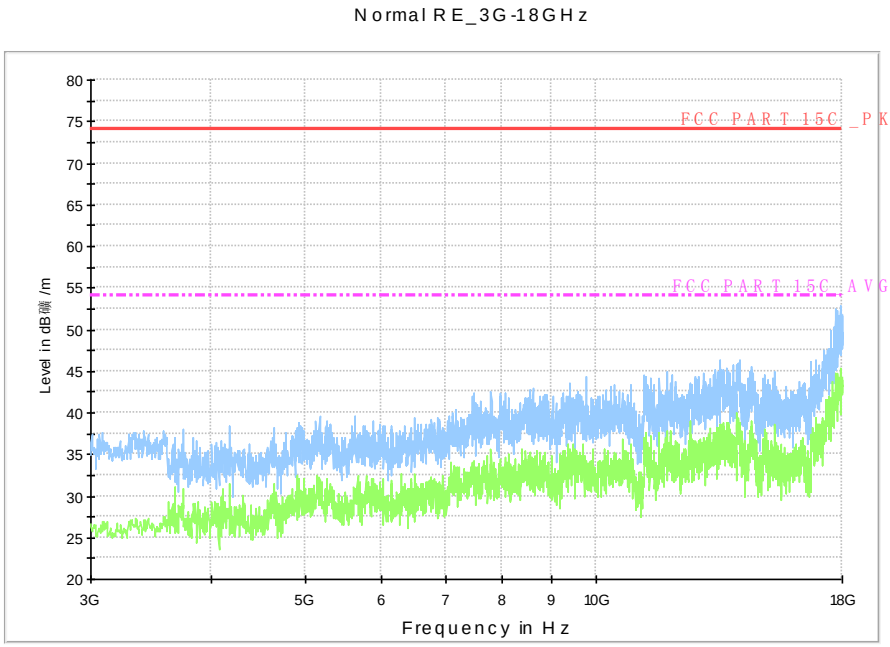

Fig. 231 Radiated Spurious Emission (802.11b, Ch13, 3 GHz-18 GHz)

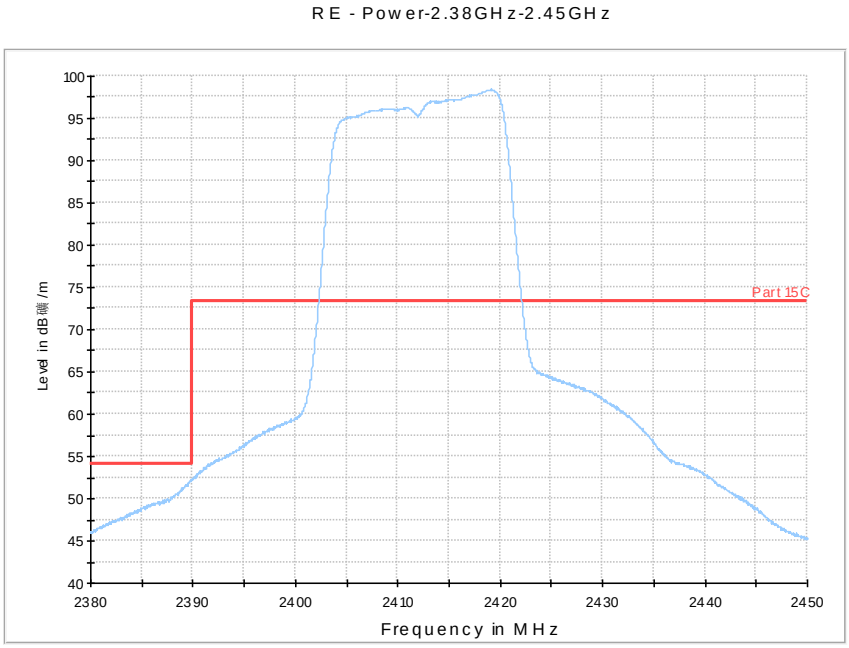

Fig. 232 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz

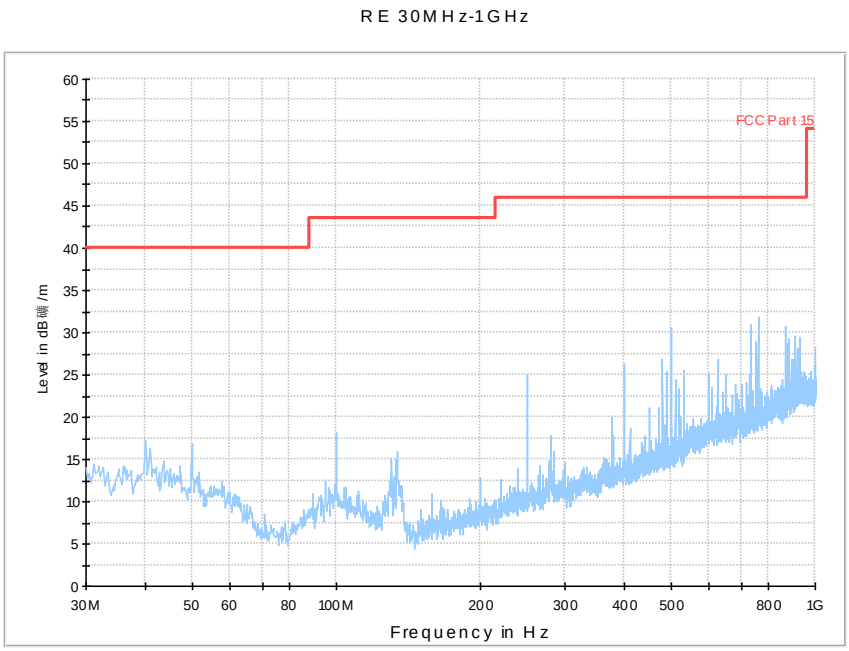

Fig. 233 Radiated Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)

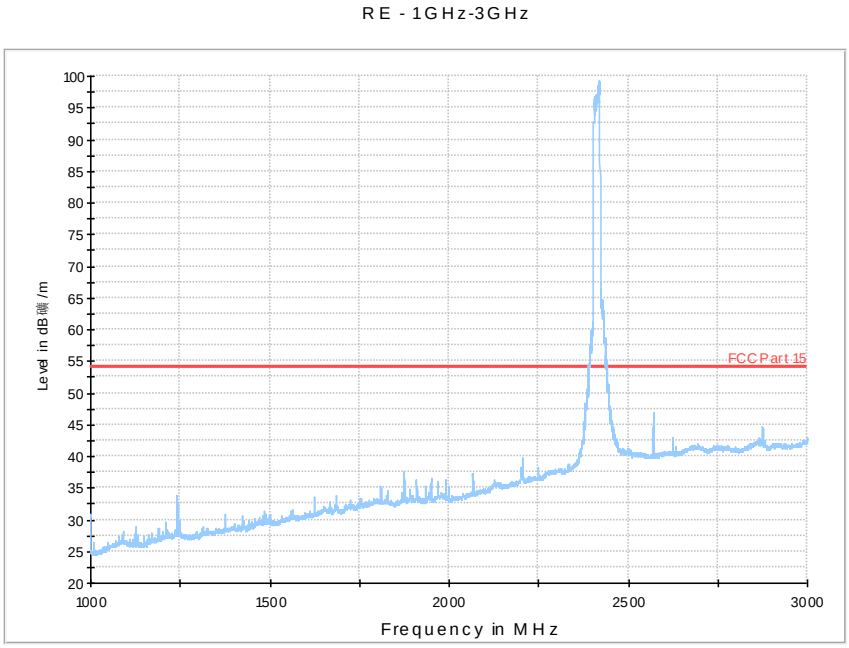

Fig. 234 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)

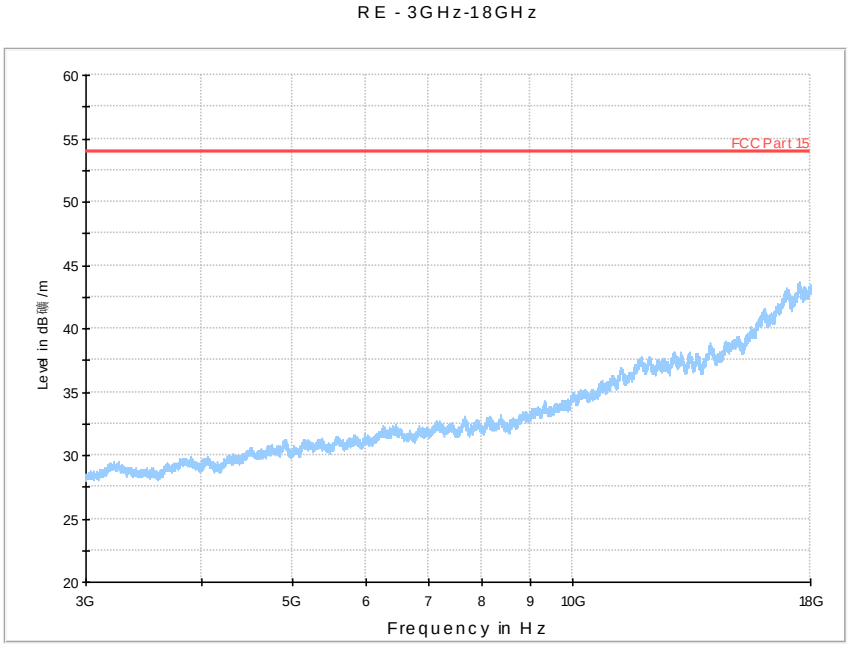

Fig. 235 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

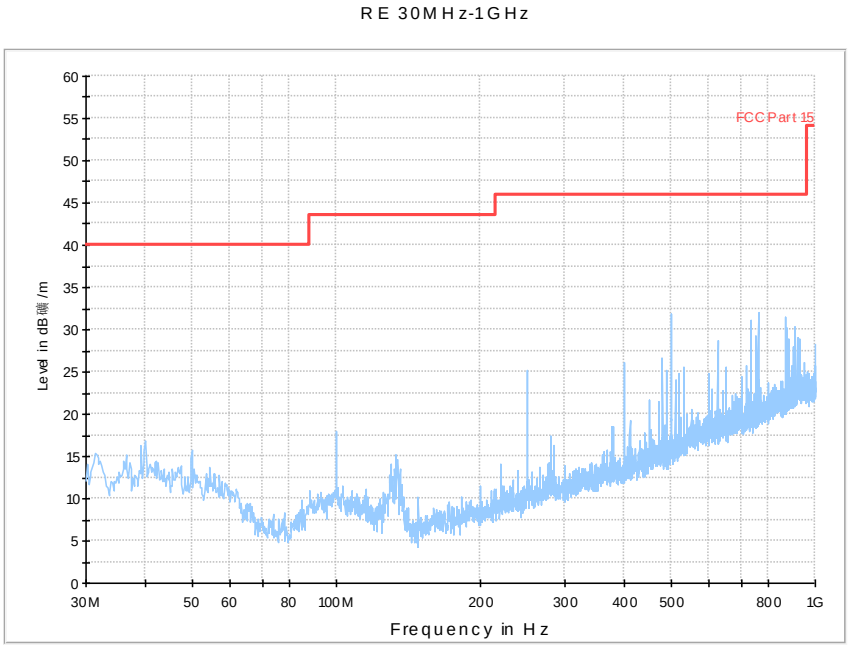

Fig. 236 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)

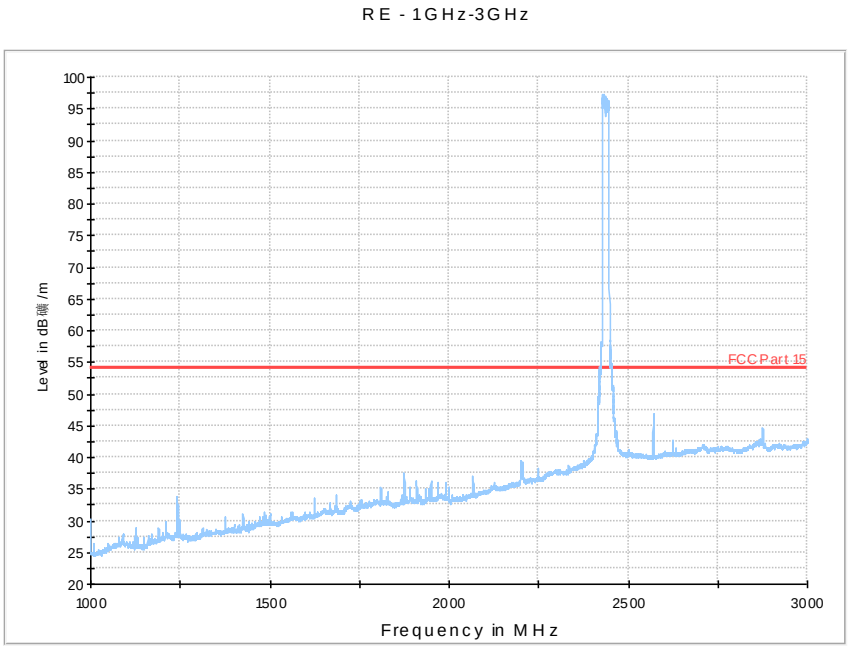

Fig. 237 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

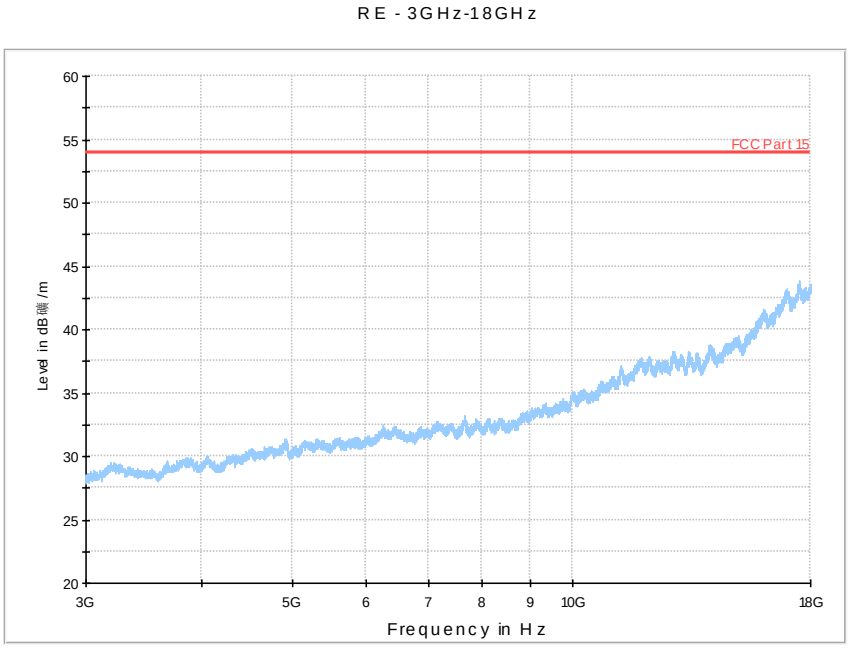

Fig. 238 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

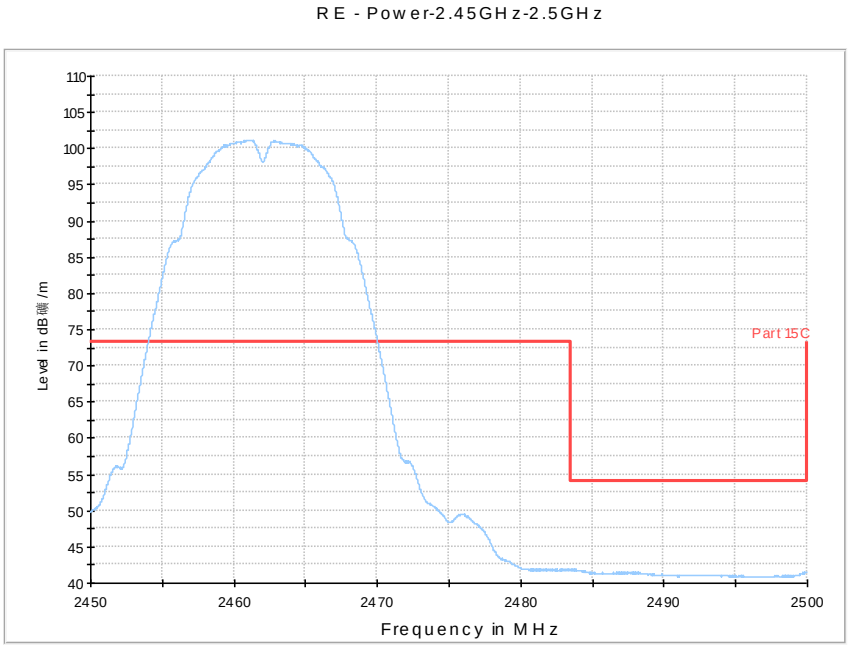

Fig. 239 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

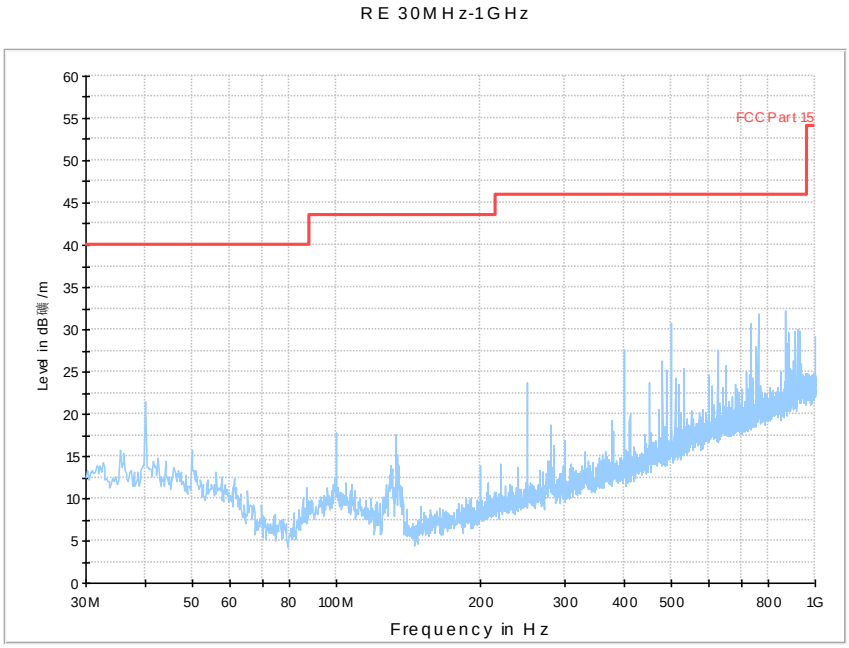

Fig. 240 Radiated Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)

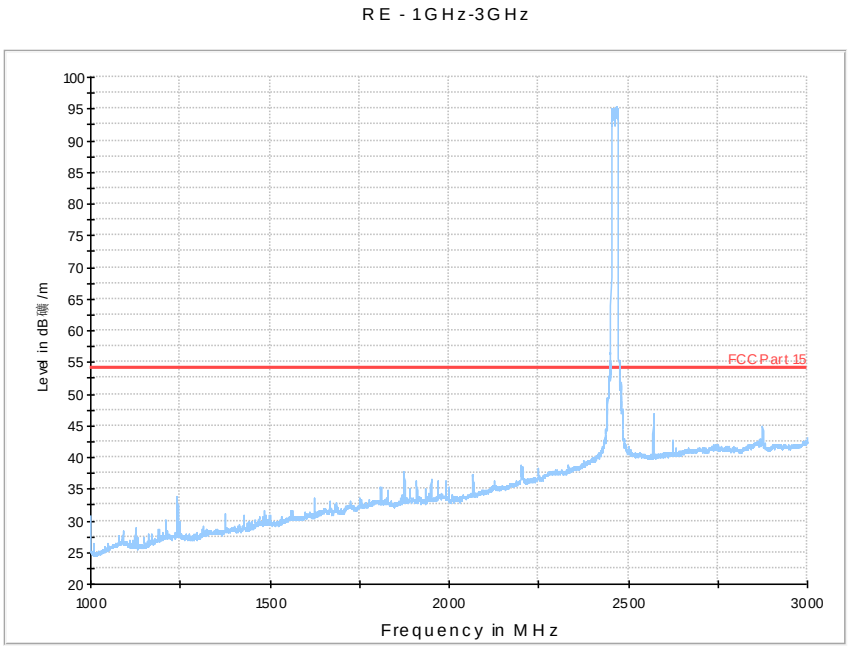

Fig. 241 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

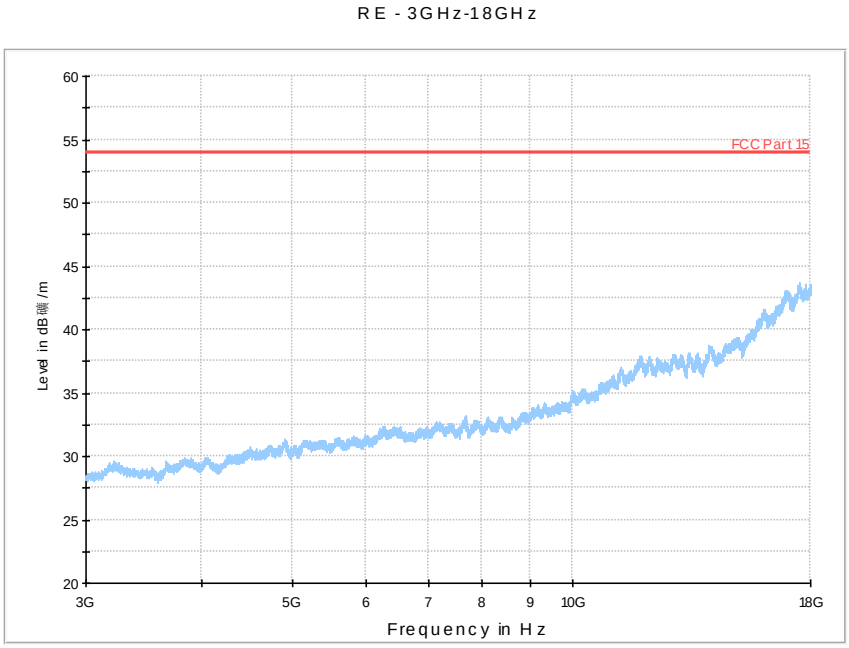

Fig. 242 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

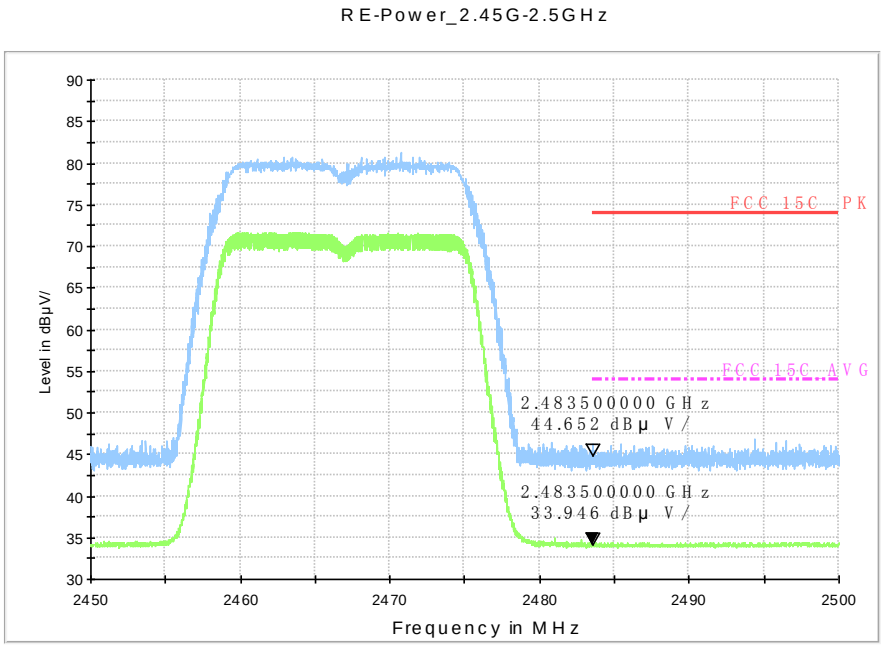

Fig. 243 Radiated Spurious Emission (Power): 802.11 g, ch12, 2.45 GHz - 2.50GHz

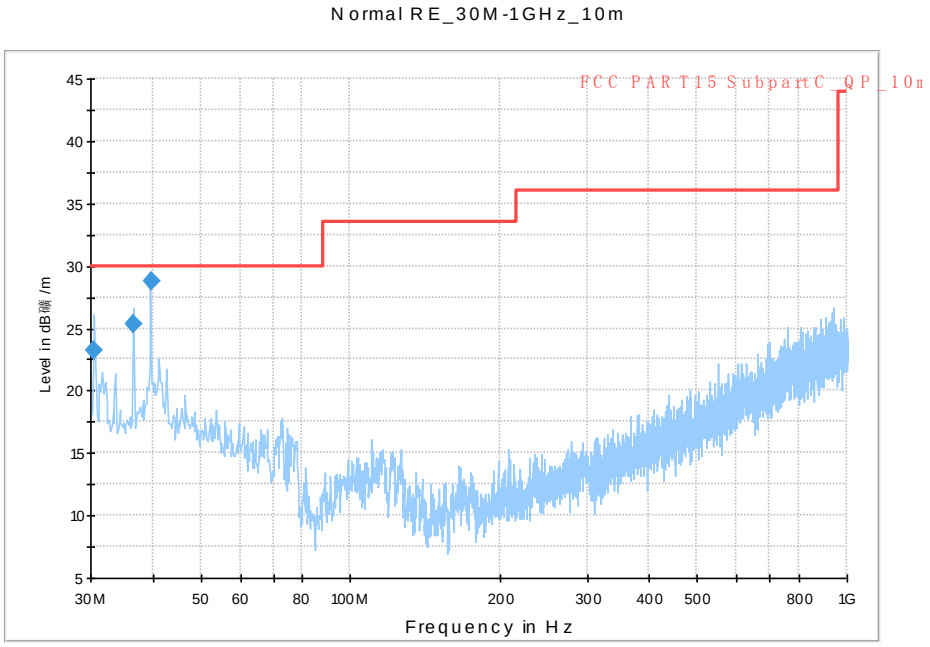

Fig. 244 Radiated Spurious Emission (802.11 g, Ch12, 30 MHz-1 GHz)

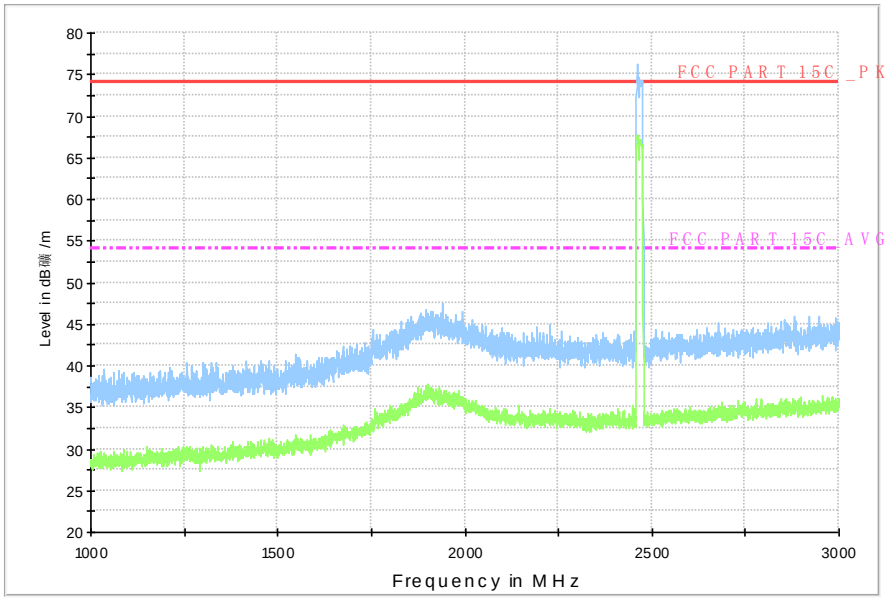

Fig. 245 Radiated Spurious Emission (802.11 g, Ch12, 1 GHz-3 GHz)

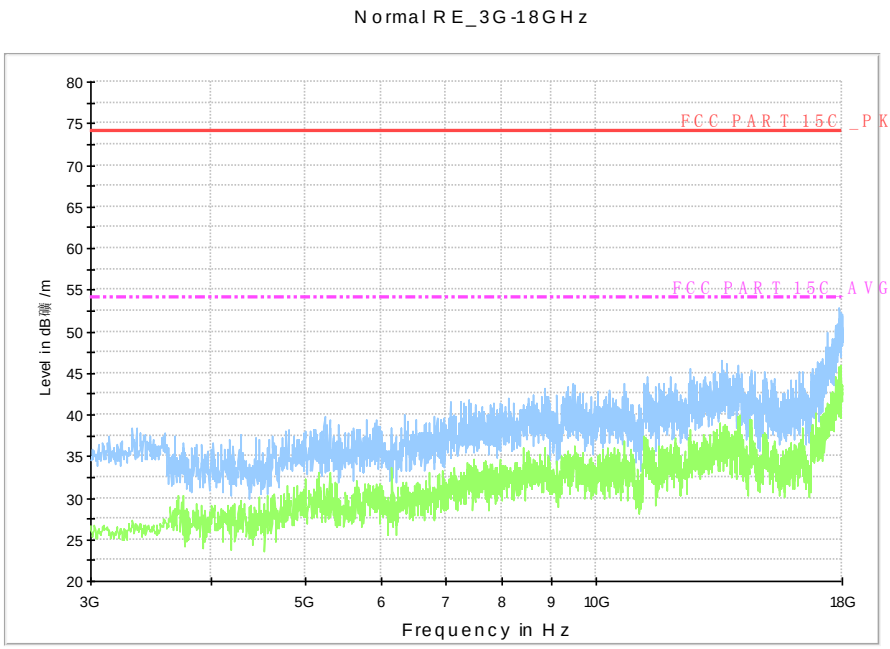

Fig. 246 Radiated Spurious Emission (802.11g, Ch12, 3 GHz-18 GHz)

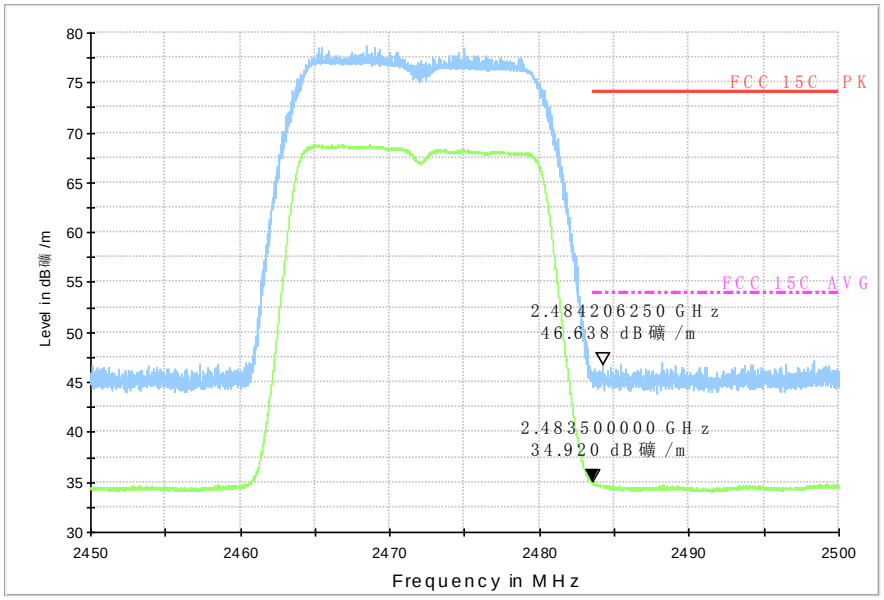

Fig. 247 Radiated Spurious Emission (Power): 802.11g, ch13, 2.45 GHz - 2.50GHz

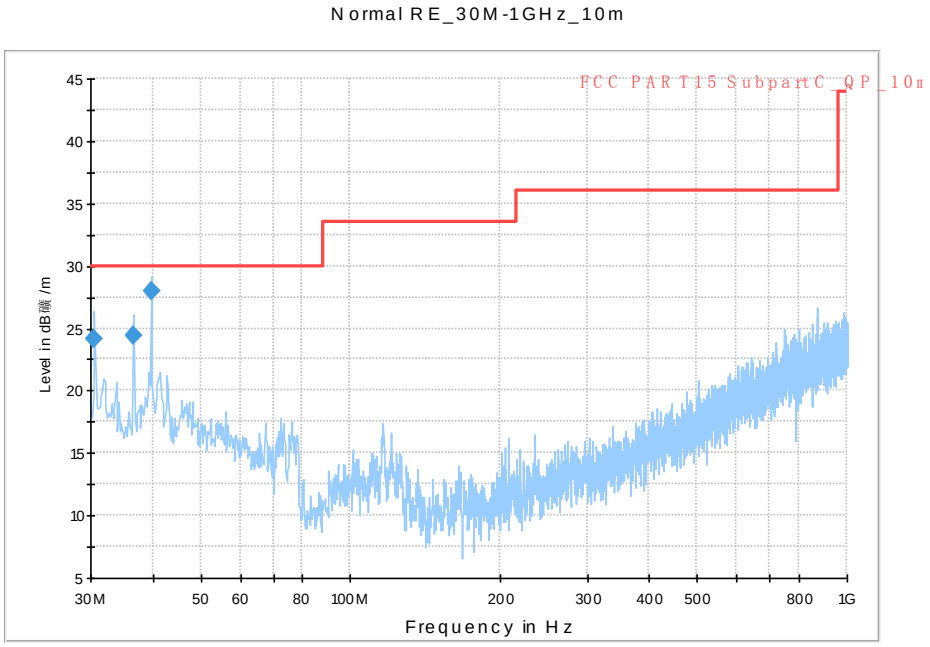

Fig. 248 Radiated Spurious Emission (802.11g, Ch13, 30 MHz-1 GHz)

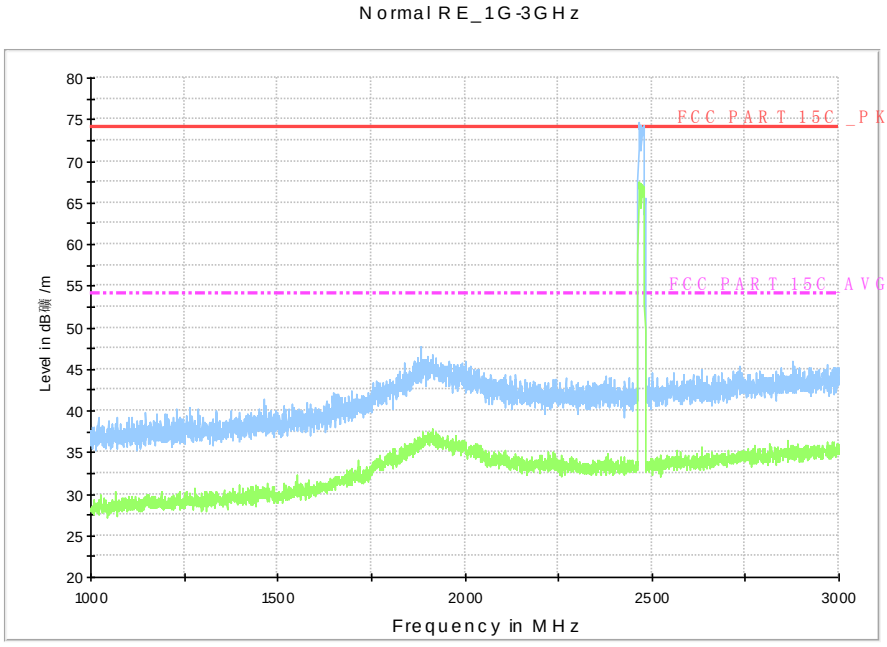

Fig. 249 Radiated Spurious Emission (802.11g, Ch13, 1 GHz-3 GHz)

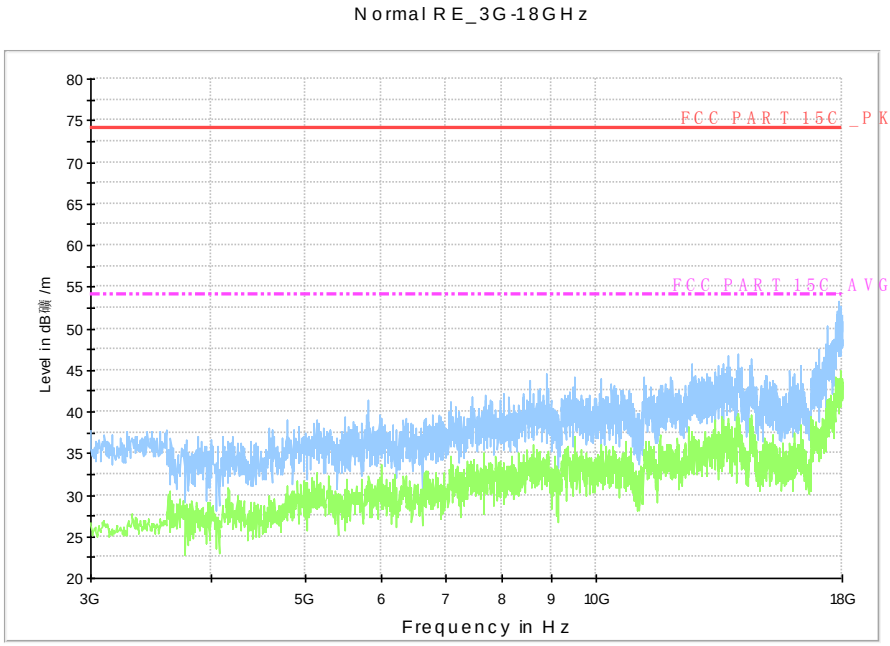

Fig. 250 Radiated Spurious Emission (802.11g, Ch13, 3 GHz-18 GHz)

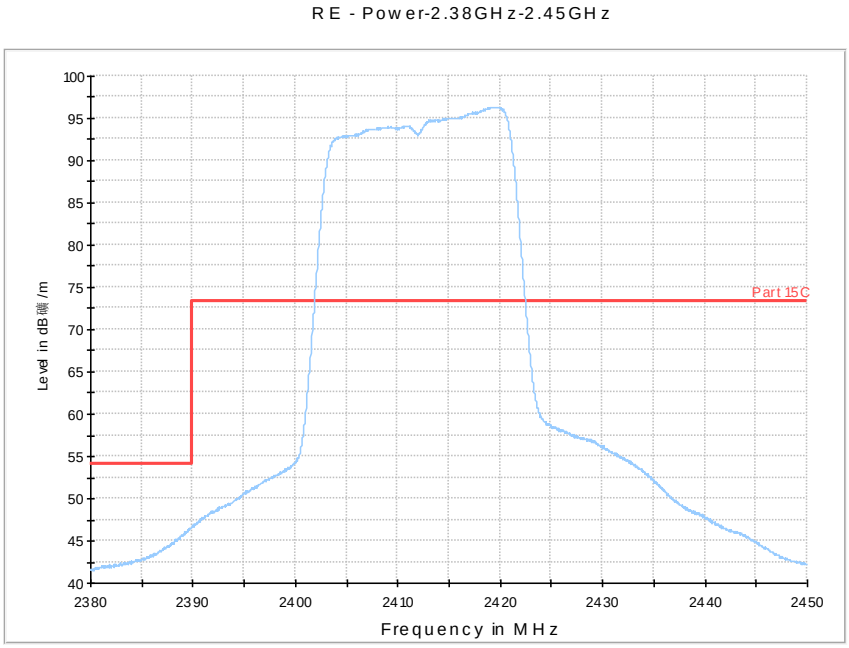

Fig. 251 Radiated Spurious Emission (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

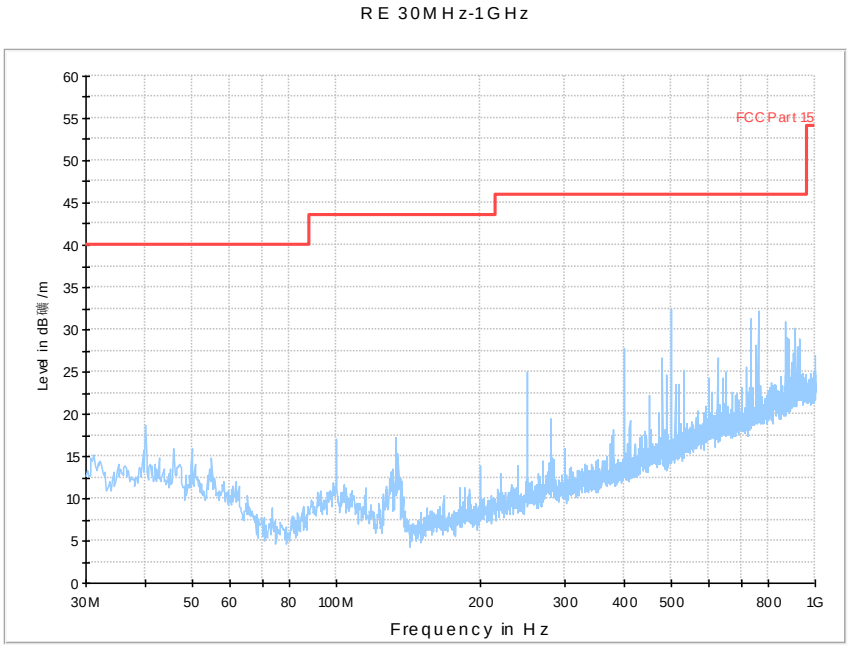

Fig. 252 Radiated Spurious Emission (802.11n-HT20, Ch1, 30 MHz-1 GHz)

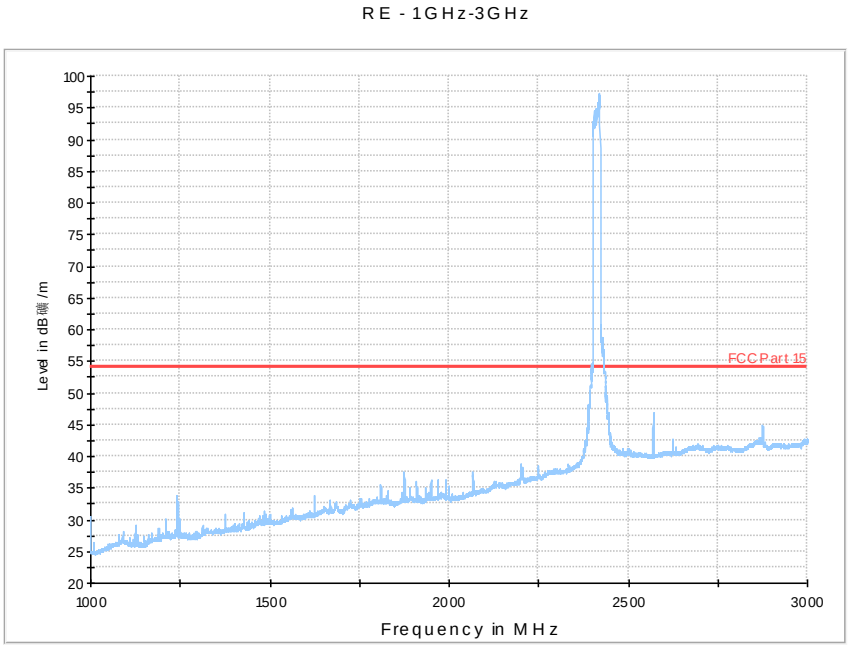

Fig. 253 Radiated Spurious Emission (802.11n-HT20, Ch1, 1 GHz-3 GHz)

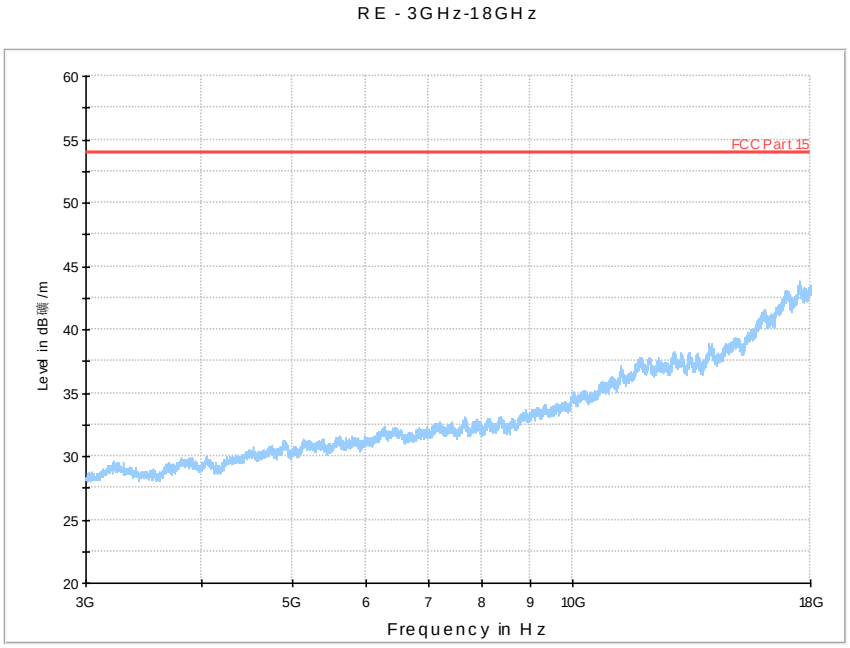

Fig. 254 Radiated Spurious Emission (802.11n-HT20, Ch1, 3 GHz-18 GHz)

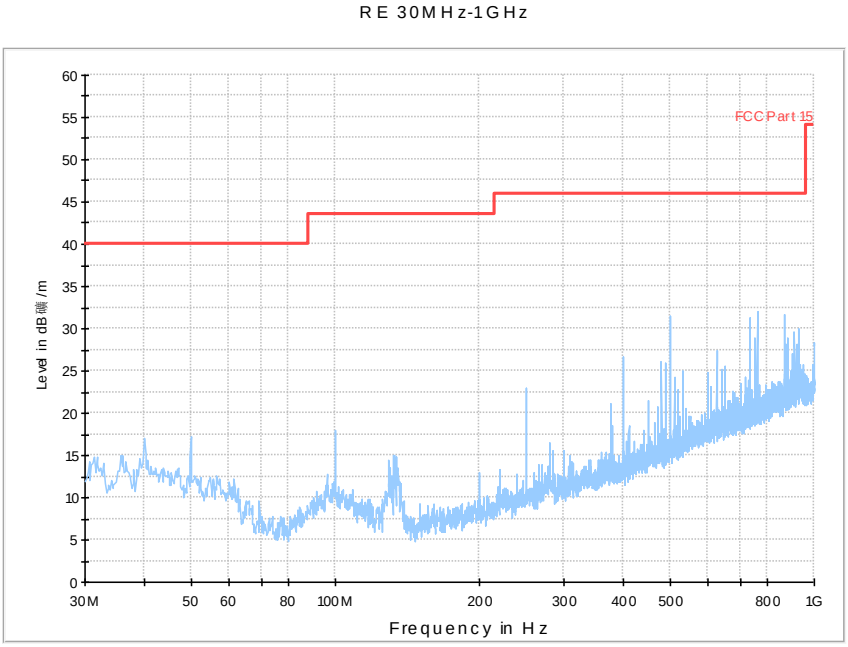

Fig. 255 Radiated Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)

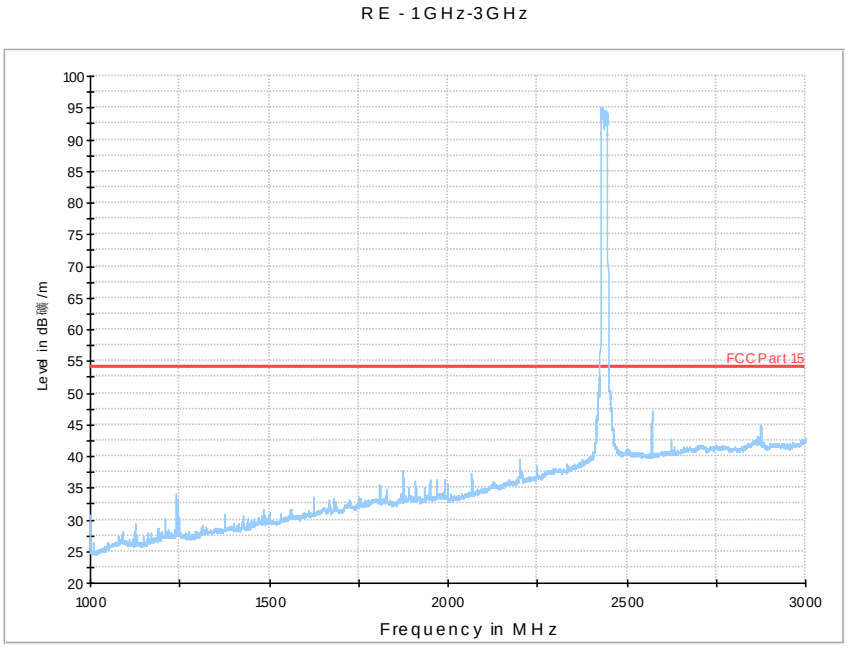

Fig. 256 Radiated Spurious Emission (802.11n-HT20, Ch6, 1 GHz-3 GHz)

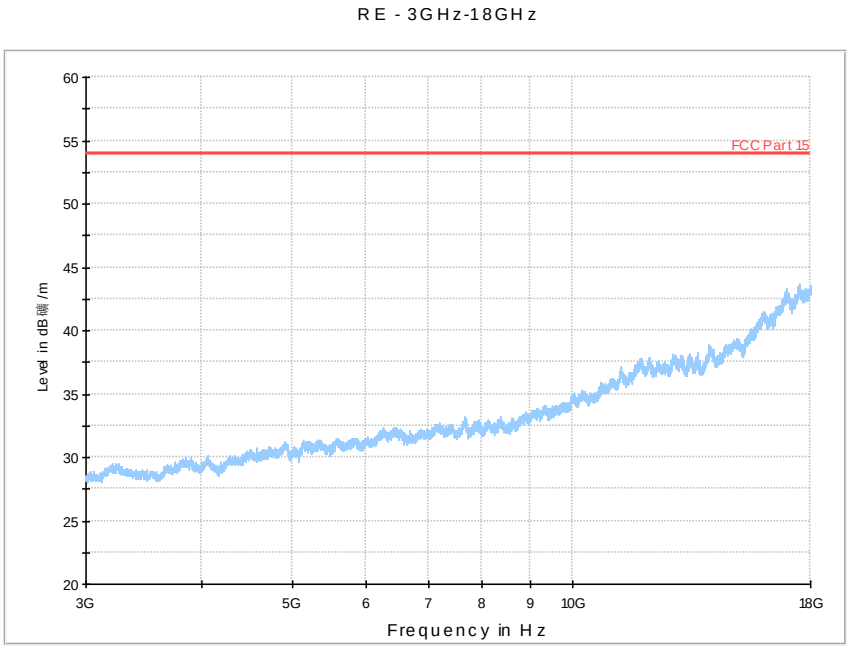

Fig. 257 Radiated Spurious Emission (802.11n-HT20, Ch6, 3 GHz-18 GHz)

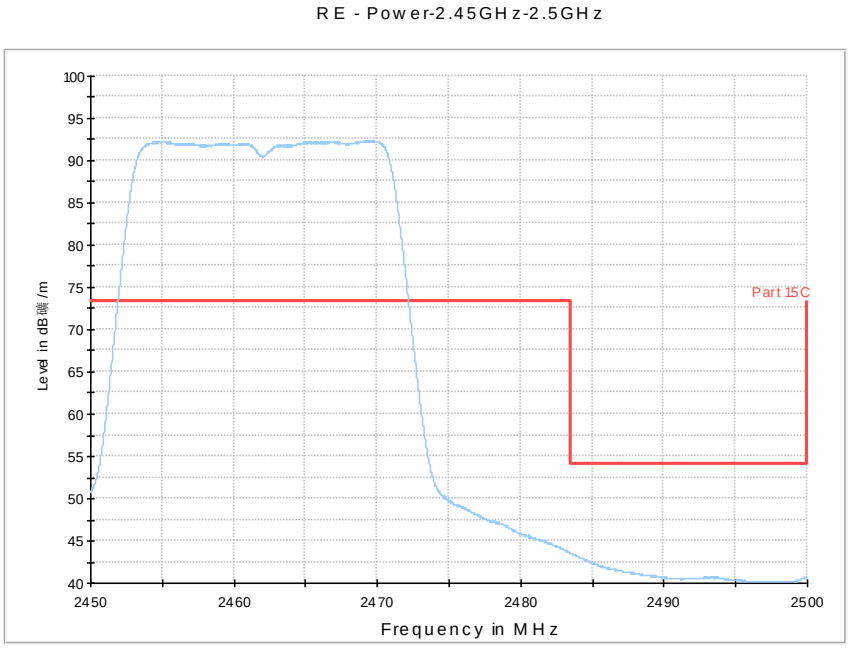

Fig. 258 Radiated Spurious Emission (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

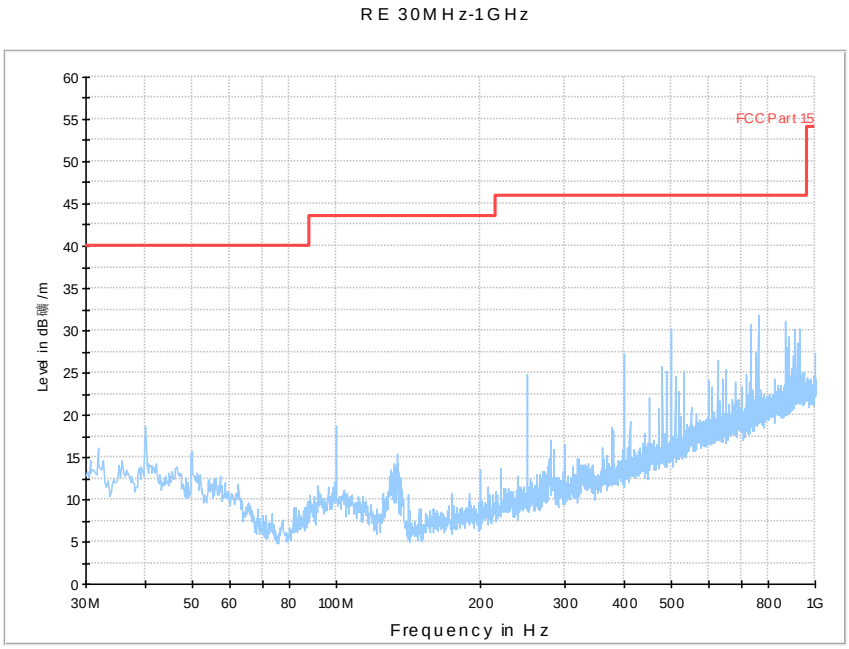

Fig. 259 Radiated Spurious Emission (802.11n-HT20, Ch11, 30 MHz-1 GHz)

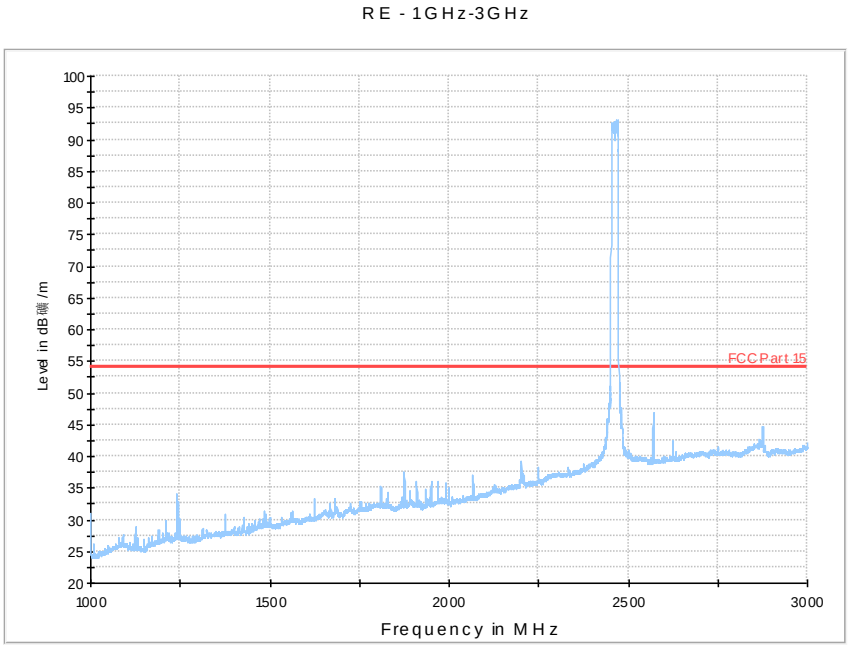

Fig. 260 Radiated Spurious Emission (802.11n-HT20, Ch11, 1 GHz-3 GHz)

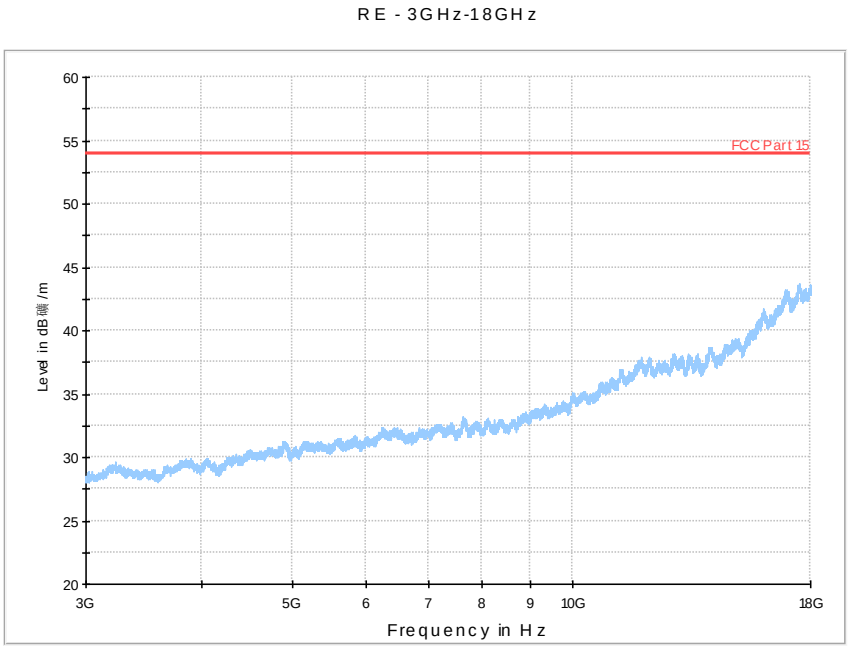

Fig. 261 Radiated Spurious Emission (802.11n-HT20, Ch11, 3 GHz-18 GHz)

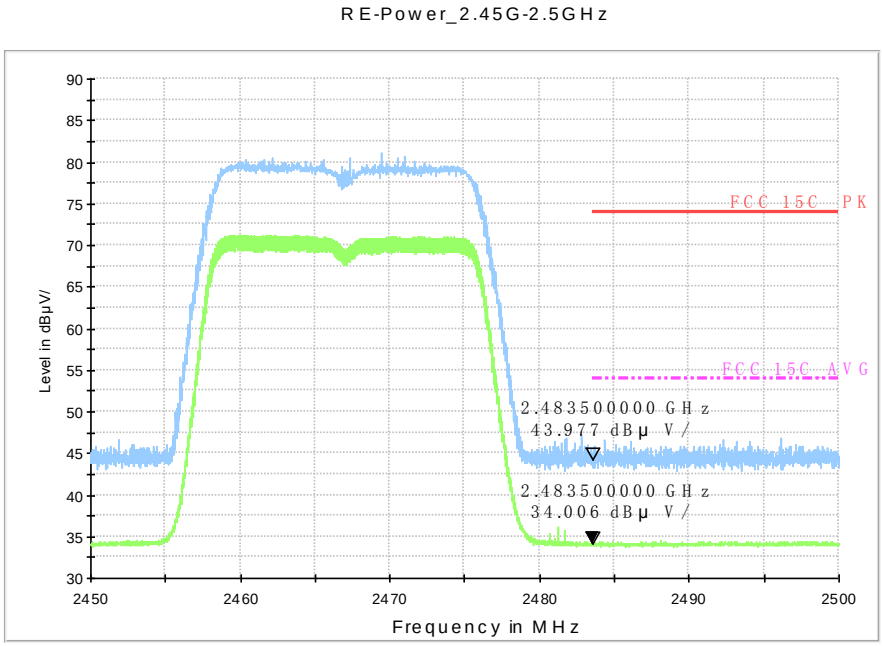

Fig. 262 Radiated Spurious Emission (Power): 802.11n-HT20, ch12, 2.45 GHz - 2.50GHz

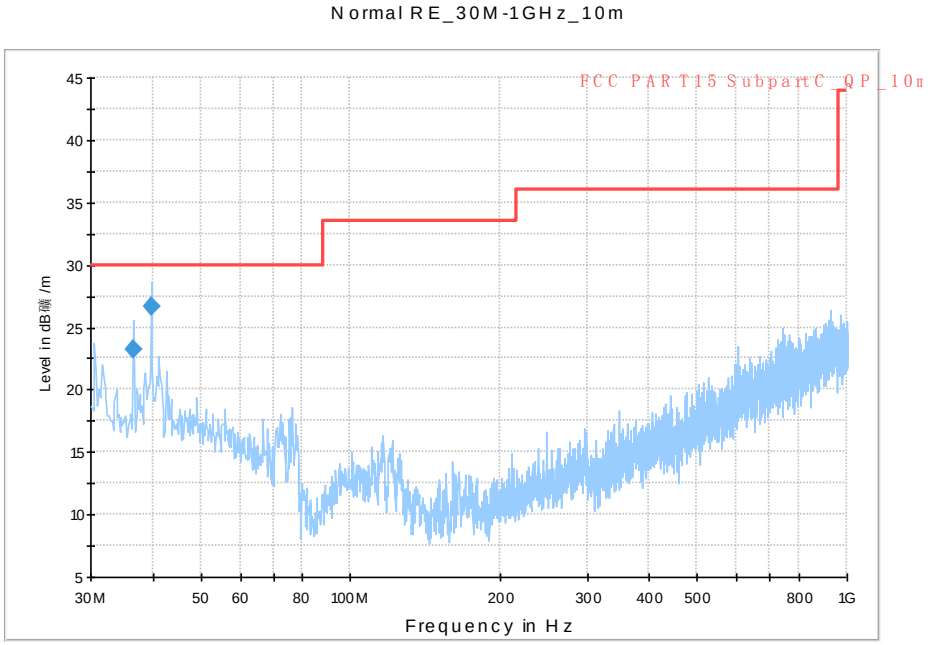

Fig. 263 Radiated Spurious Emission (802.11n-HT20, Ch12, 30 MHz-1 GHz)

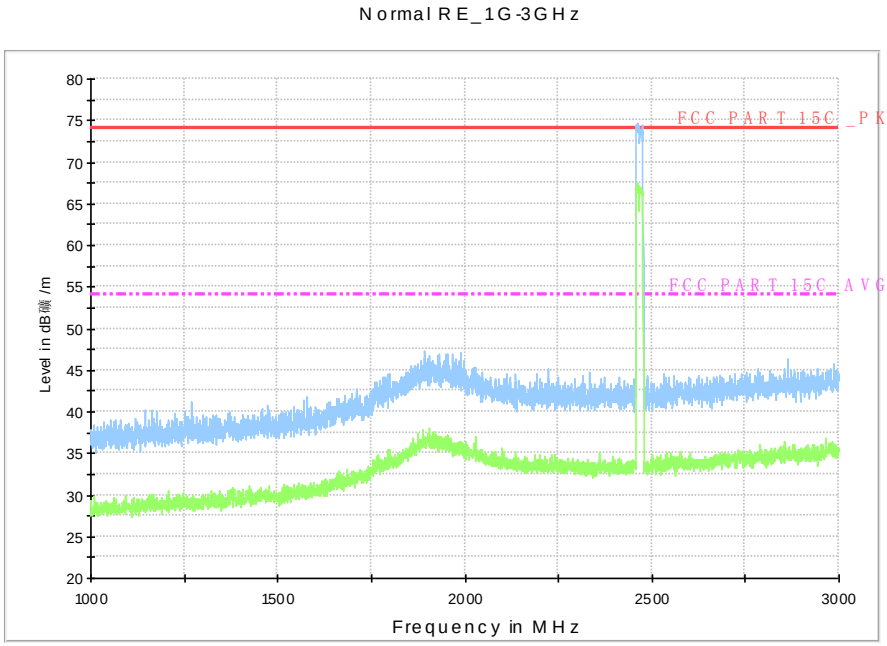

Fig. 264 Radiated Spurious Emission (802.11n-HT20, Ch12, 1 GHz-3 GHz)

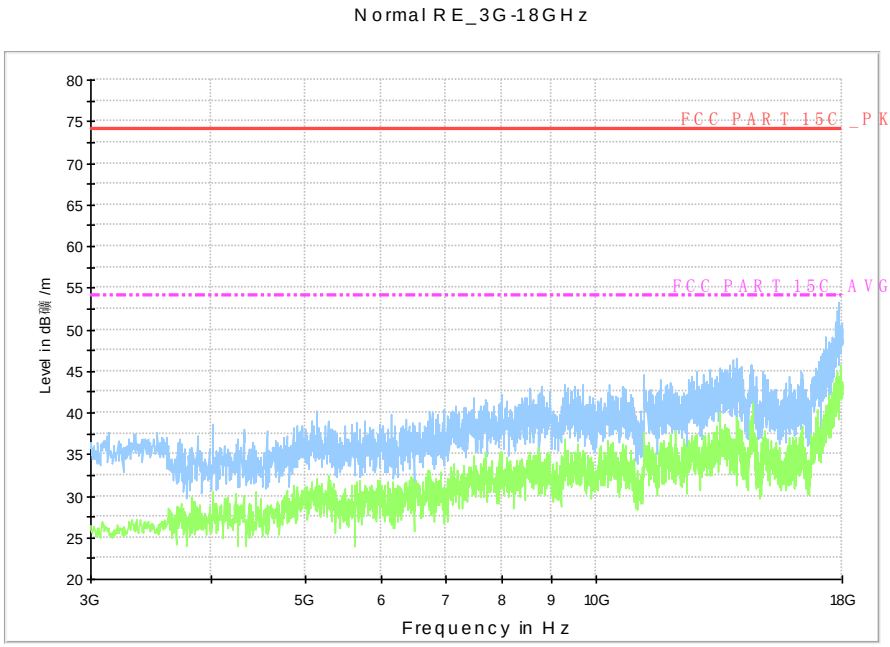

Fig. 265 Radiated Spurious Emission (802.11n-HT20, Ch12, 3 GHz-18 GHz)

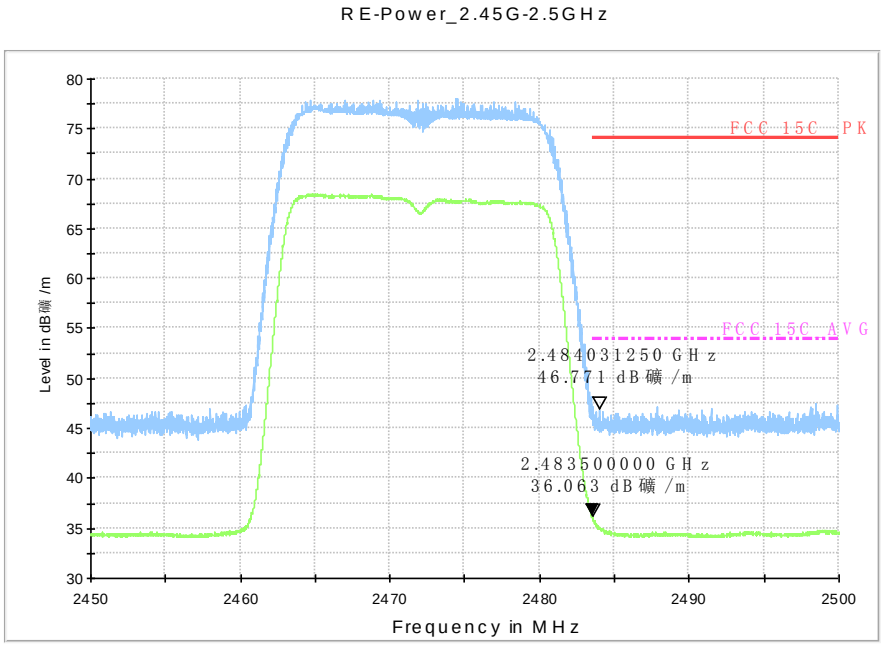

Fig. 266 Radiated Spurious Emission (Power): 802.11n-HT20, ch13, 2.45 GHz - 2.50GHz

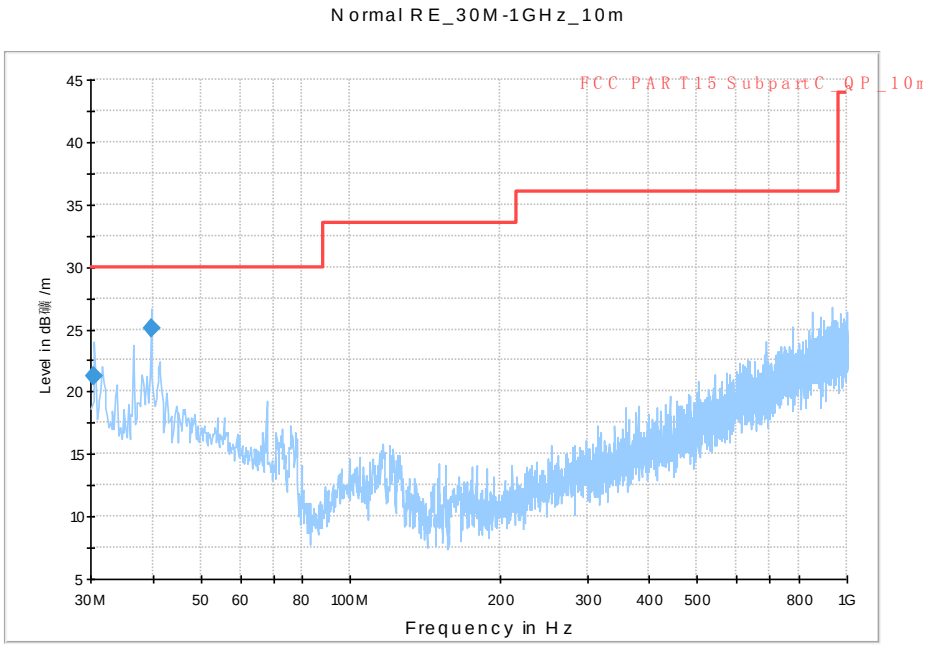

Fig. 267 Radiated Spurious Emission (802.11n-HT20, Ch13, 30 MHz-1 GHz)

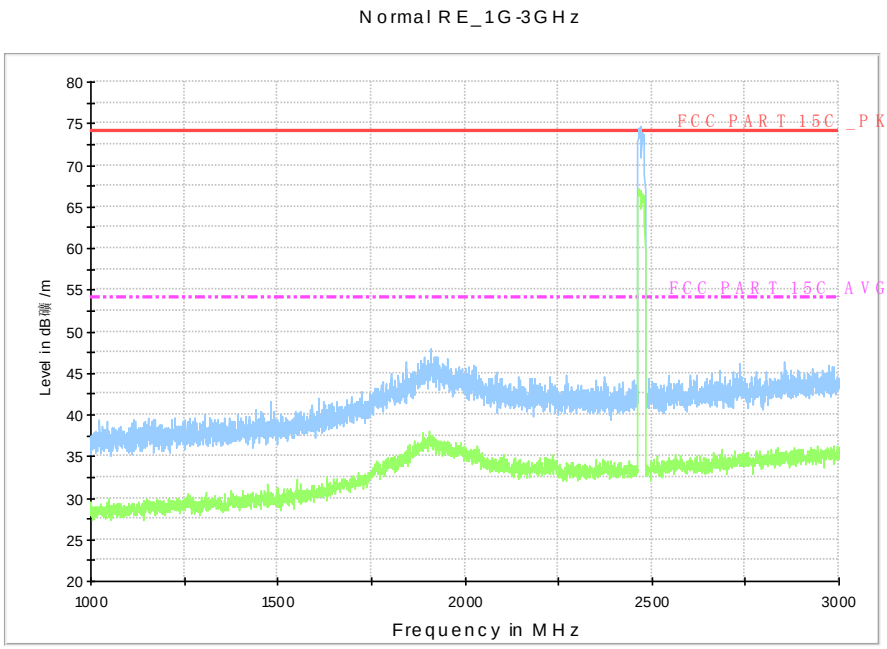

Fig. 268 Radiated Spurious Emission (802.11n-HT20, Ch13, 1 GHz-3 GHz)

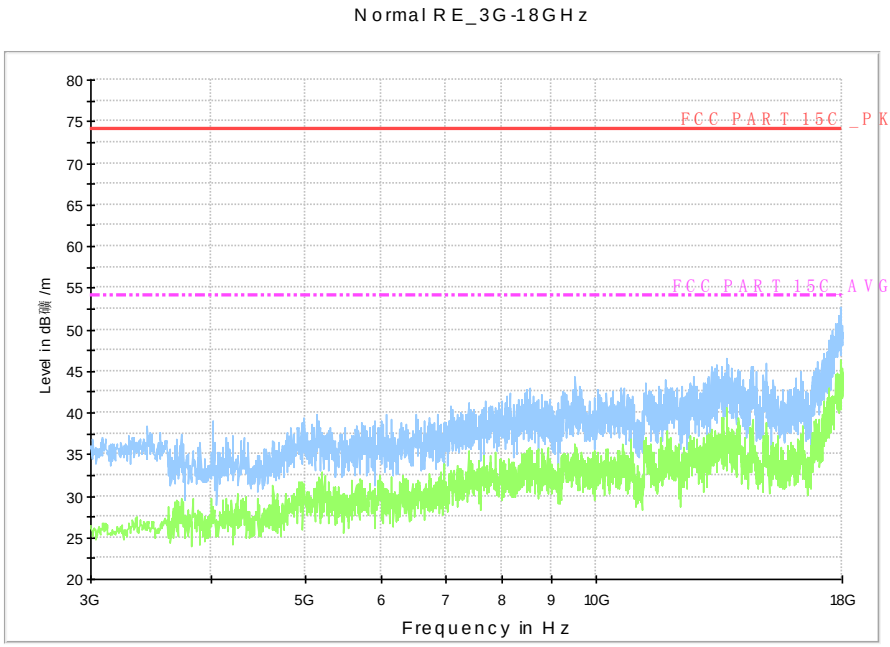

Fig. 269 Radiated Spurious Emission (802.11n-HT20, Ch13, 3 GHz-18 GHz)

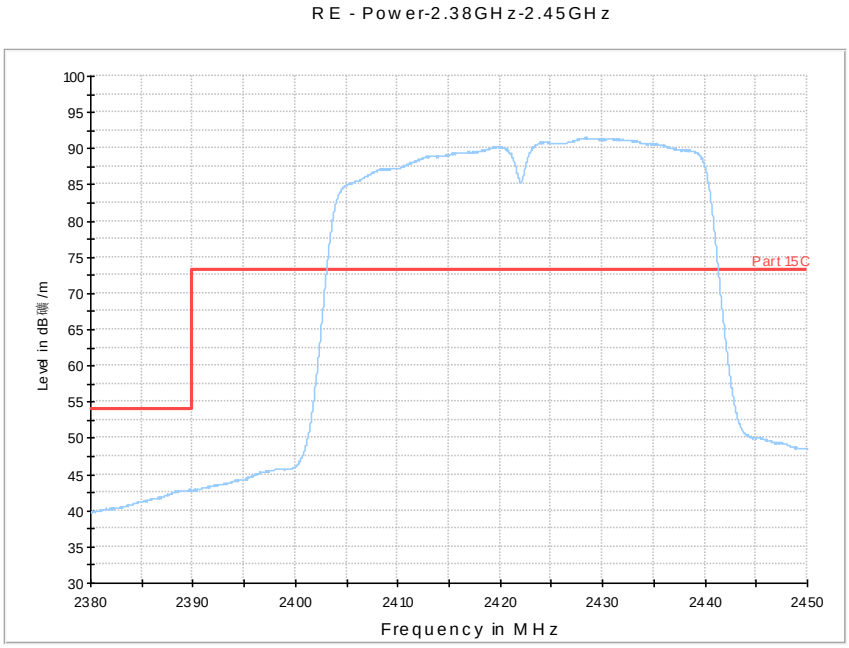

Fig. 270 Radiated Spurious Emission (Power): 802.11n-HT40, ch3, 2.38 GHz - 2.45GHz

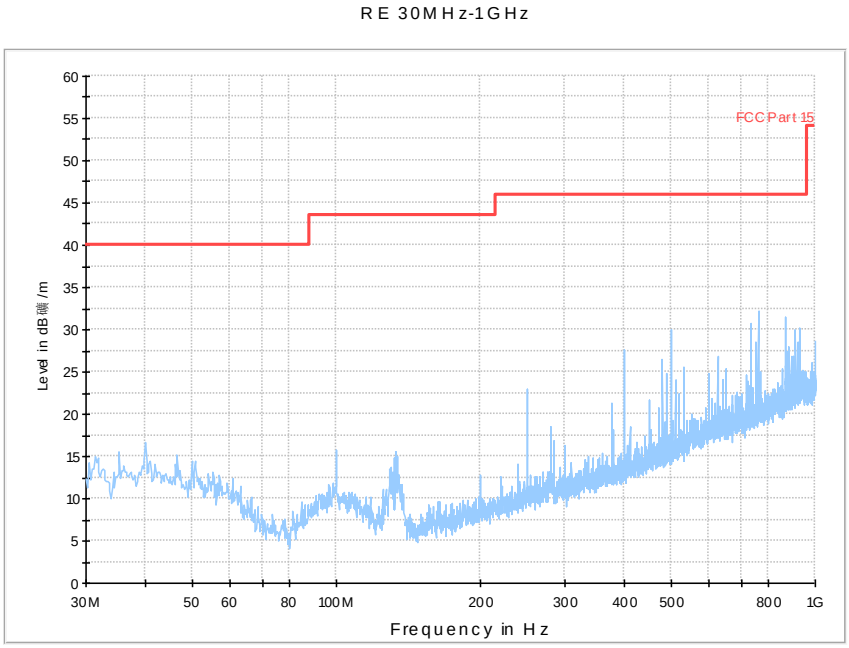

Fig. 271 Radiated Spurious Emission (802.11n-HT40, Ch3, 30 MHz-1 GHz)

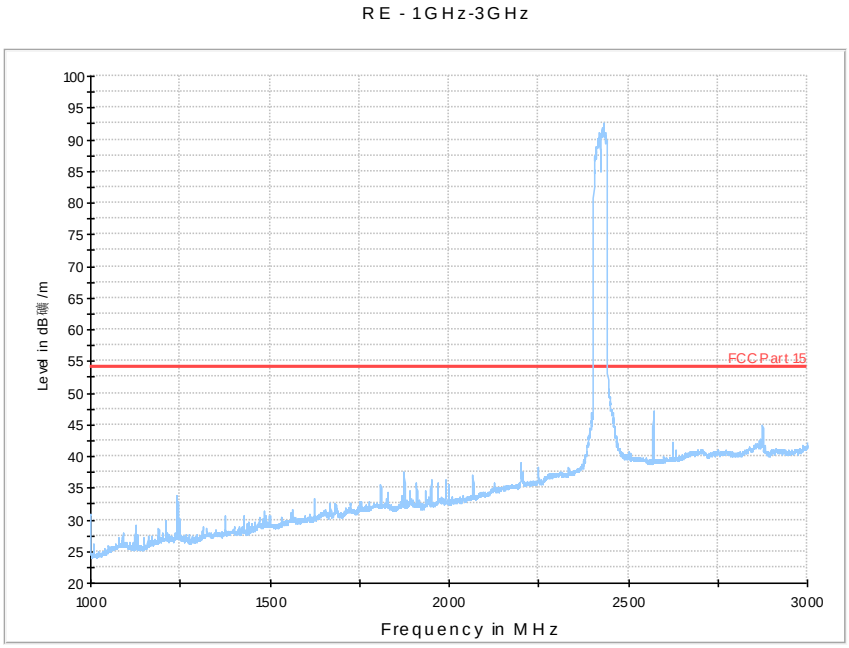

Fig. 272 Radiated Spurious Emission (802.11n-HT40, Ch3, 1 GHz-3 GHz)

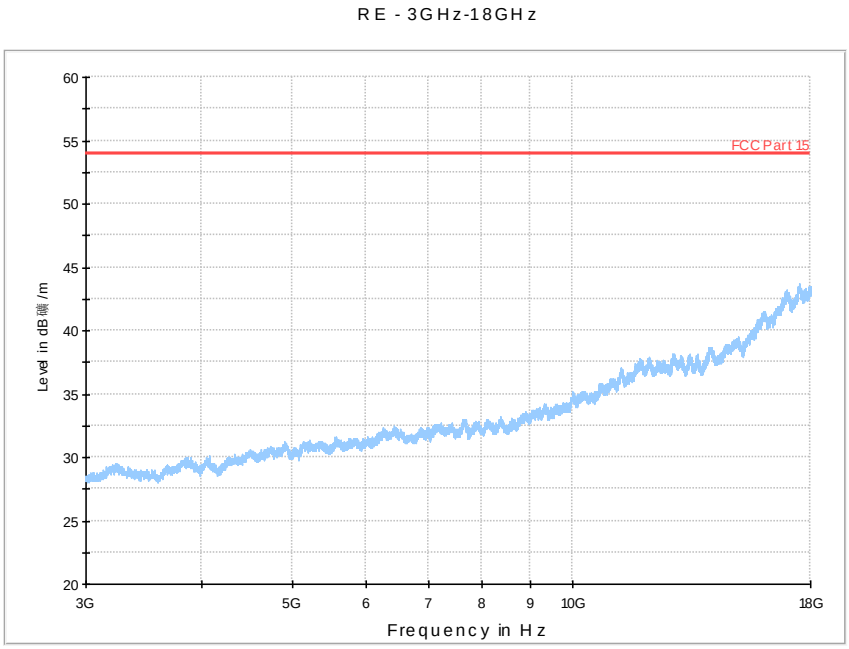

Fig. 273 Radiated Spurious Emission (802.11n-HT40, Ch3, 3 GHz-18 GHz)

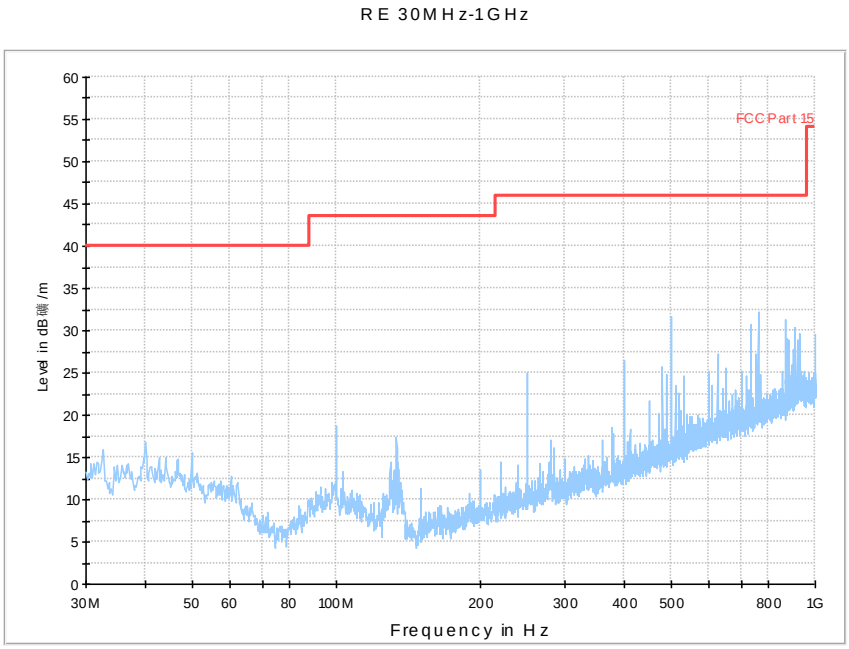

Fig. 274 Radiated Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)

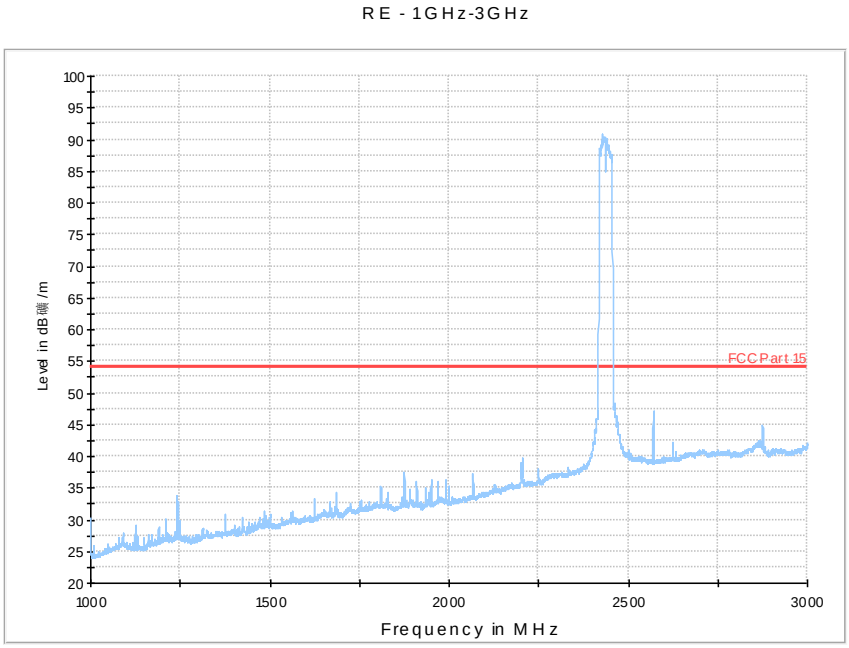

Fig. 275 Radiated Spurious Emission (802.11n-HT40, Ch6, 1 GHz-3 GHz)

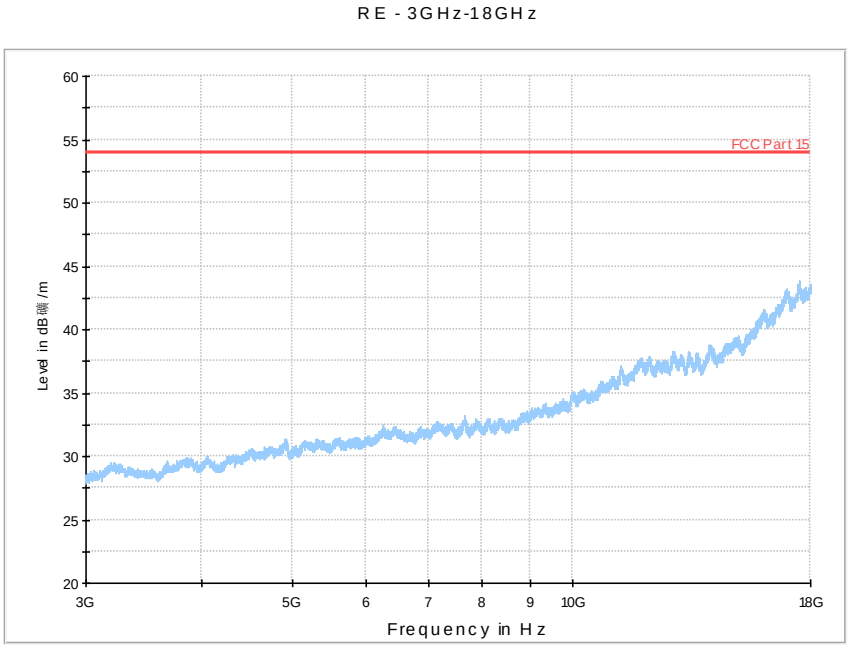

Fig. 276 Radiated Spurious Emission (802.11n-HT40, Ch6, 3 GHz-18 GHz)

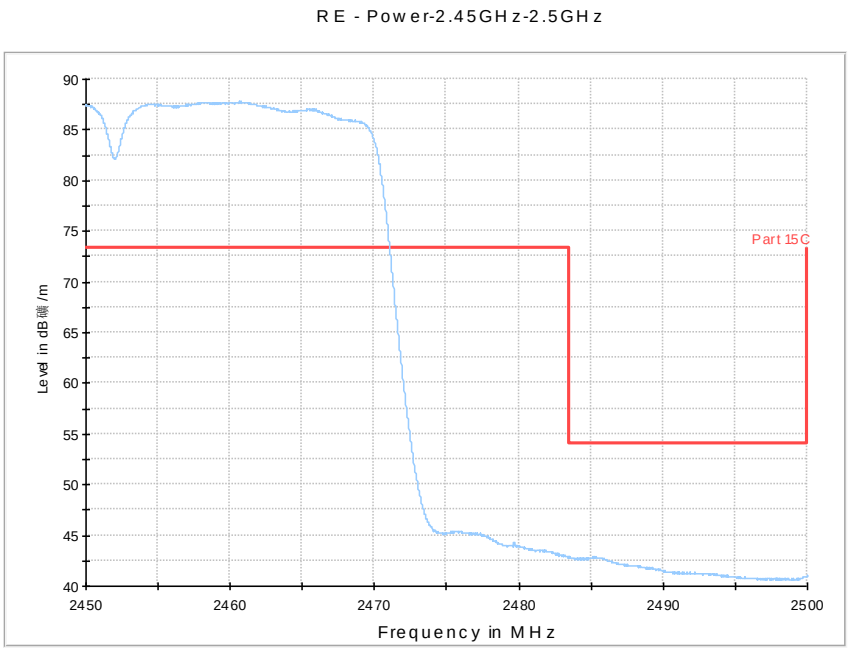

Fig. 277 Radiated Spurious Emission (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz

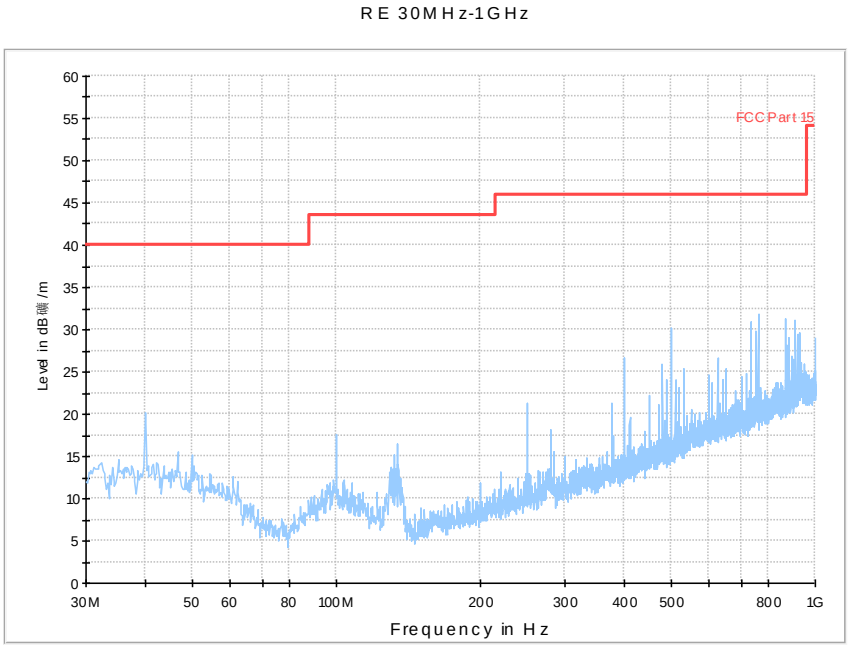

Fig. 278 Radiated Spurious Emission (802.11n-HT40, Ch9, 30 MHz-1 GHz)

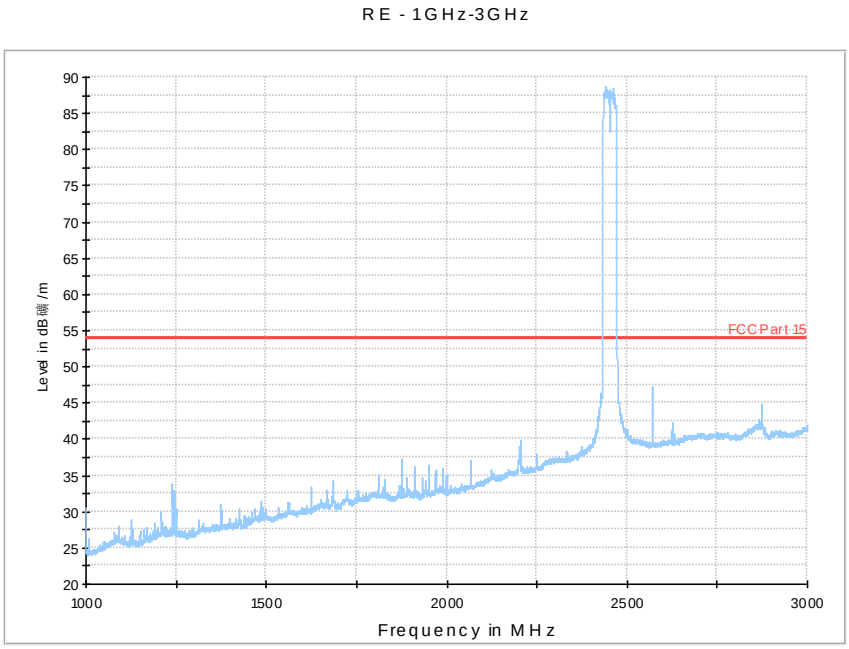

Fig. 279 Radiated Spurious Emission (802.11n-HT40, Ch9, 1 GHz-3 GHz)

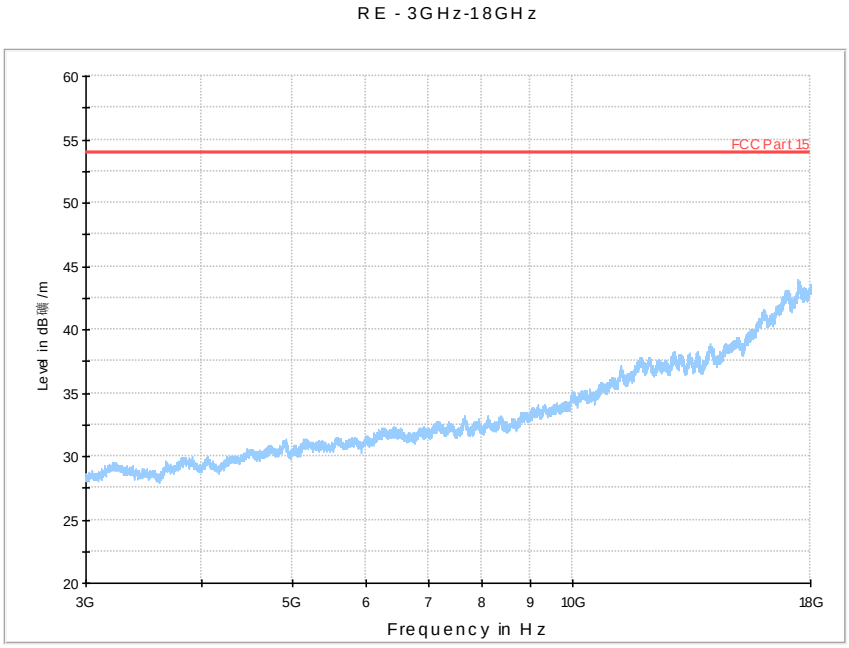

Fig. 280 Radiated Spurious Emission (802.11n-HT40, Ch9, 3 GHz-18 GHz)

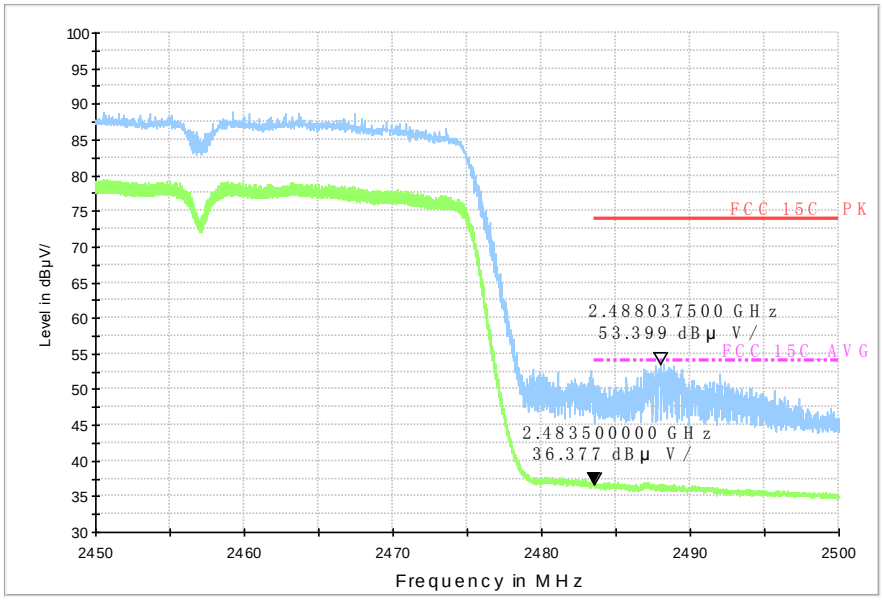

Fig. 281 Radiated Spurious Emission (Power): 802.11n-HT40, Ch10, 2.45 GHz - 2.50GHz

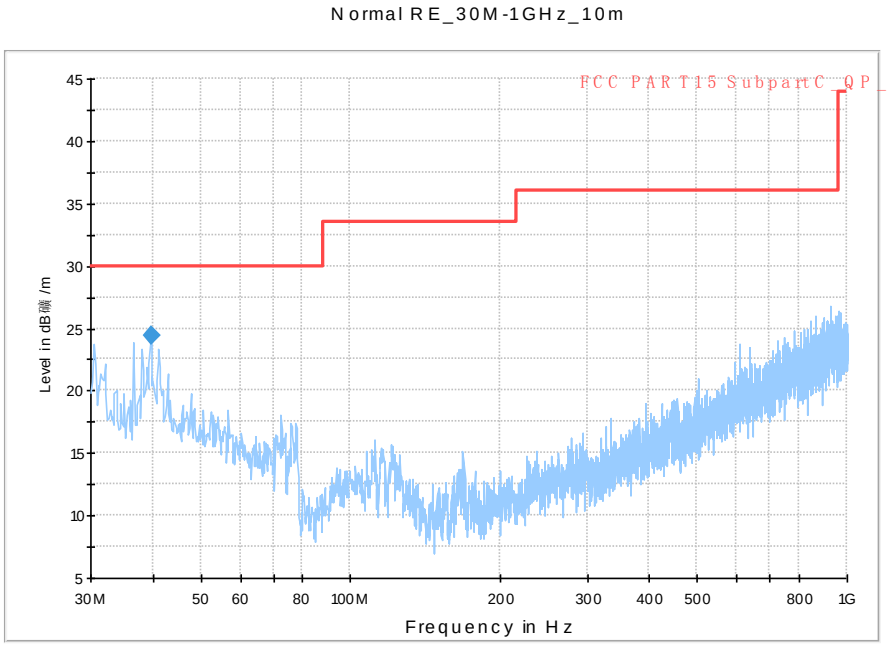

Fig. 282 Radiated Spurious Emission (802.11n-HT40, Ch10, 30 MHz-1 GHz)

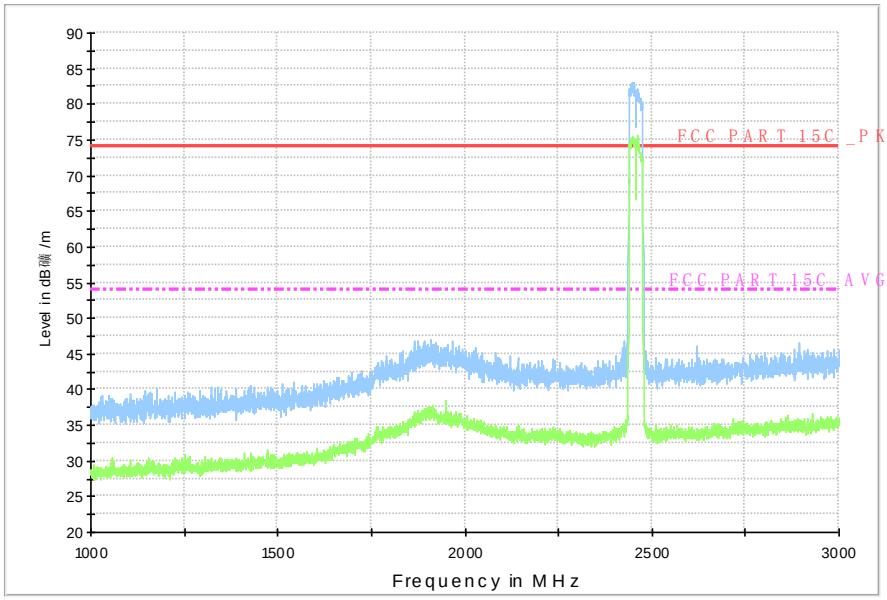

Fig. 283 Radiated Spurious Emission (802.11n-HT40, Ch10, 1 GHz-3 GHz)

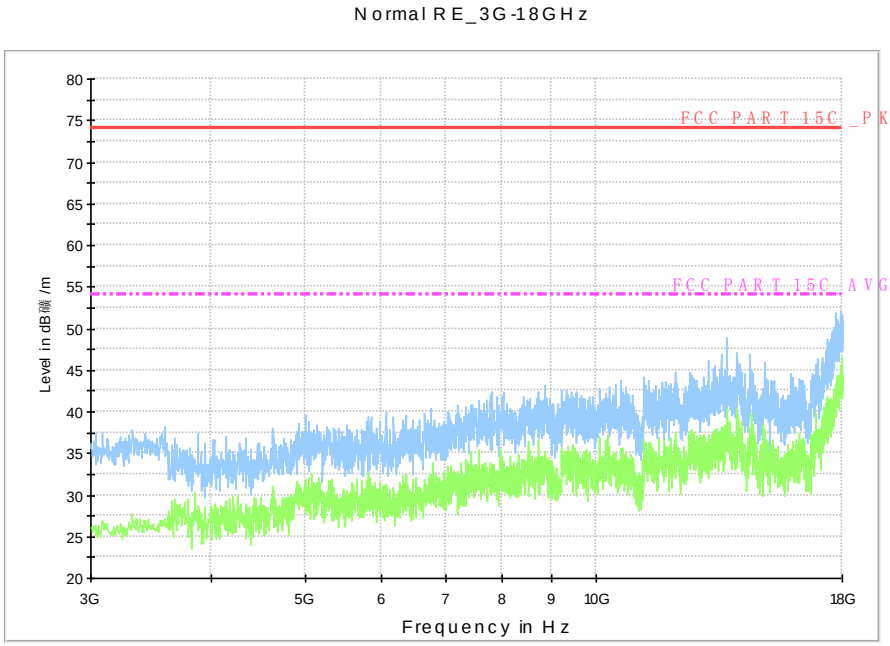

Fig. 284 Radiated Spurious Emission (802.11n-HT40, Ch10, 3 GHz-18 GHz)

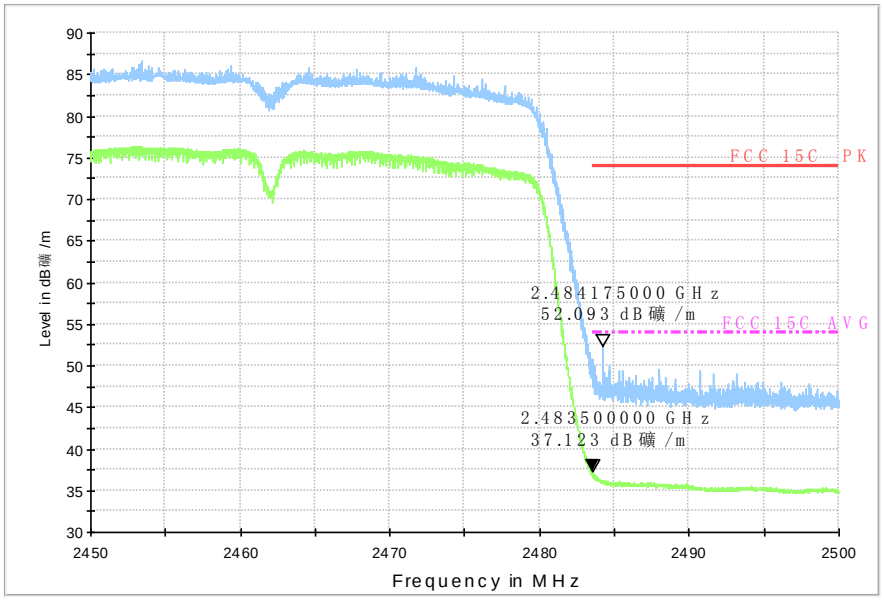

Fig. 285 Radiated Spurious Emission (Power): 802.11n-HT40, Ch11, 2.45 GHz - 2.50GHz

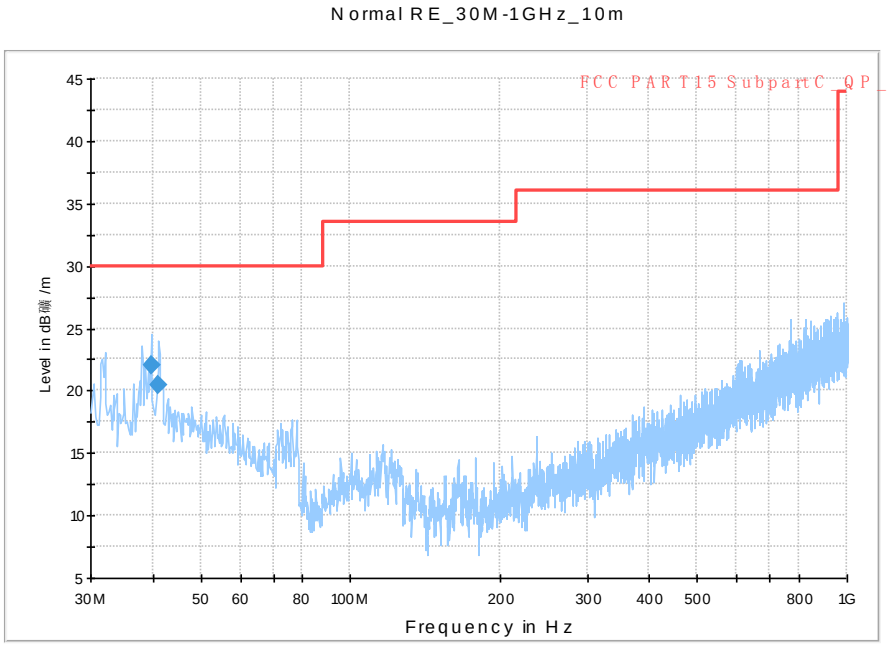

Fig. 286 Radiated Spurious Emission (802.11n-HT40, Ch11, 30 MHz-1 GHz)

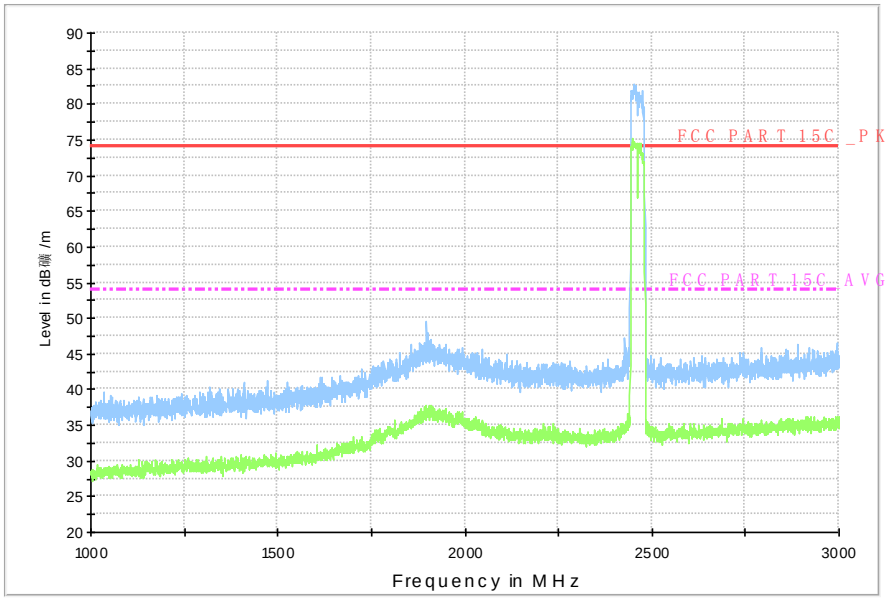

Fig. 287 Radiated Spurious Emission (802.11n-HT40, Ch11, 1 GHz-3 GHz)

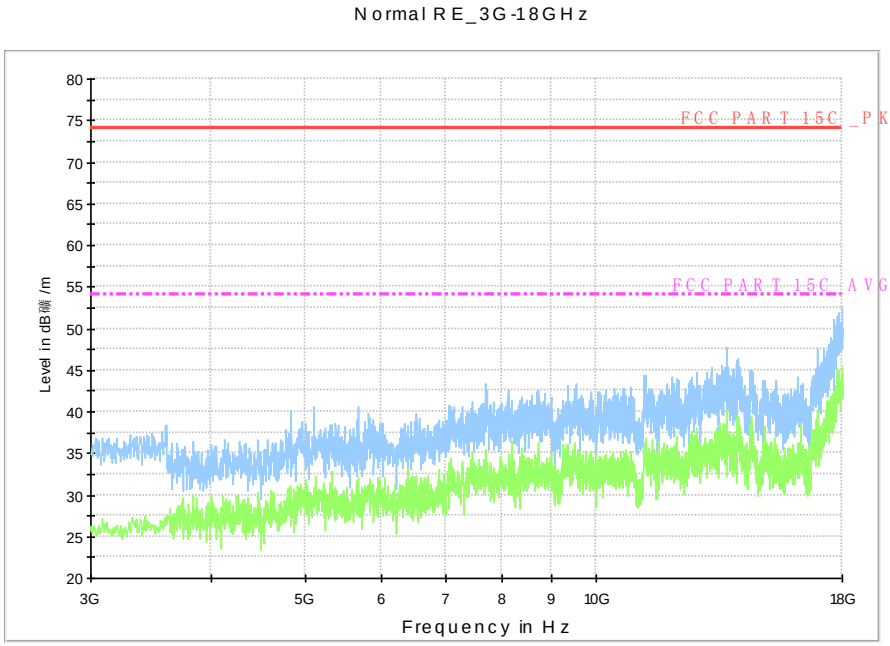

Fig. 288 Radiated Spurious Emission (802.11n-HT40, Ch11, 3 GHz-18 GHz)

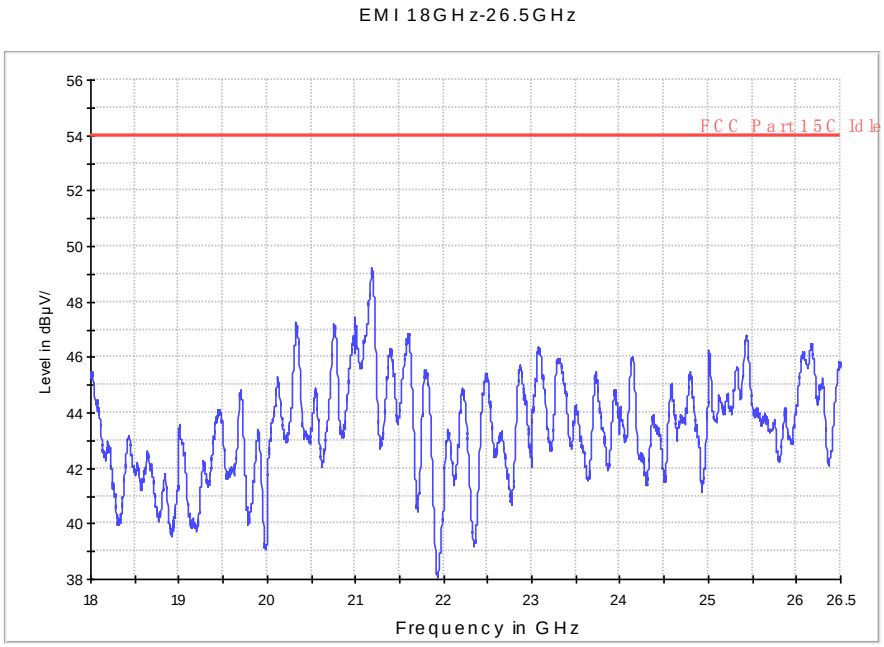

Fig. 289 Radiated Spurious Emission (All channels): 18GHz - 26.5GHz

A.7. AC Powerline Conducted Emission

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement Result and limit:

Measurement with charger1

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) With charger				Conclusion
		802.11b	802.11g	802.11n HT20	802.11n HT40	
0.15 to 0.5	66 to 56	Fig. 290	Fig. 291	Fig. 292	Fig. 293	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 (dBμV)	Result (dBμV) With charger				Conclusion
		802.11b	802.11g	802.11n HT20	802.11n HT40	
0.15 to 0.5	56 to 46	Fig.290	Fig.291	Fig.292	Fig.293	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 ANSI C63.10

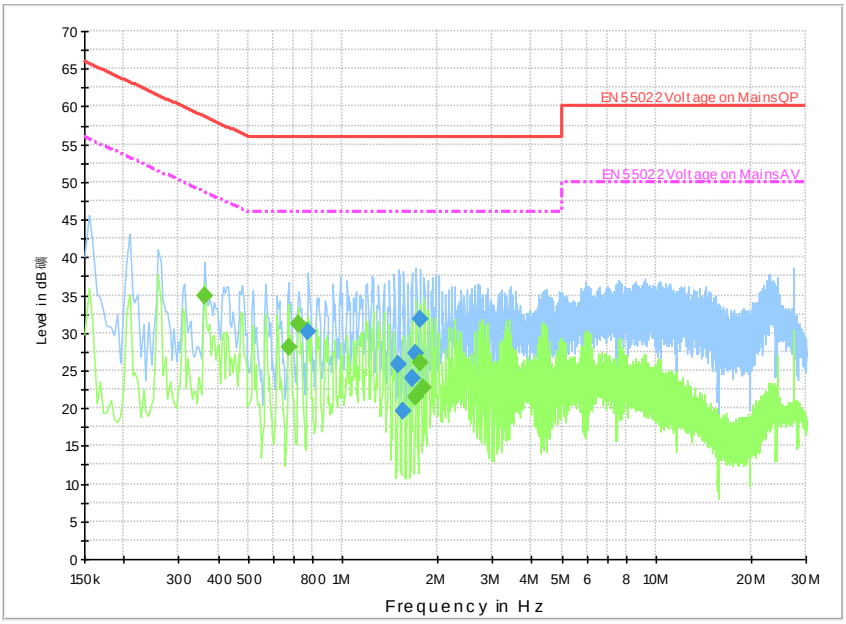

Fig. 290 AC Powerline Conducted Emission-802.11b

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.775500	30.1	GND	N	10.0	25.9	56.0
1.509000	25.8	GND	L1	10.0	30.2	56.0
1.563000	19.6	GND	L1	10.0	36.4	56.0
1.662000	23.9	GND	N	10.0	32.1	56.0
1.711500	27.3	GND	N	10.0	28.7	56.0
1.761000	31.8	GND	N	10.0	24.2	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.361500	34.9	GND	N	10.0	13.8	48.7
0.672000	28.1	GND	N	10.0	17.9	46.0
0.721500	31.2	GND	N	10.0	14.8	46.0
1.711500	21.5	GND	N	10.0	24.5	46.0
1.761000	26.0	GND	N	10.0	20.0	46.0
1.815000	22.6	GND	N	10.0	23.4	46.0

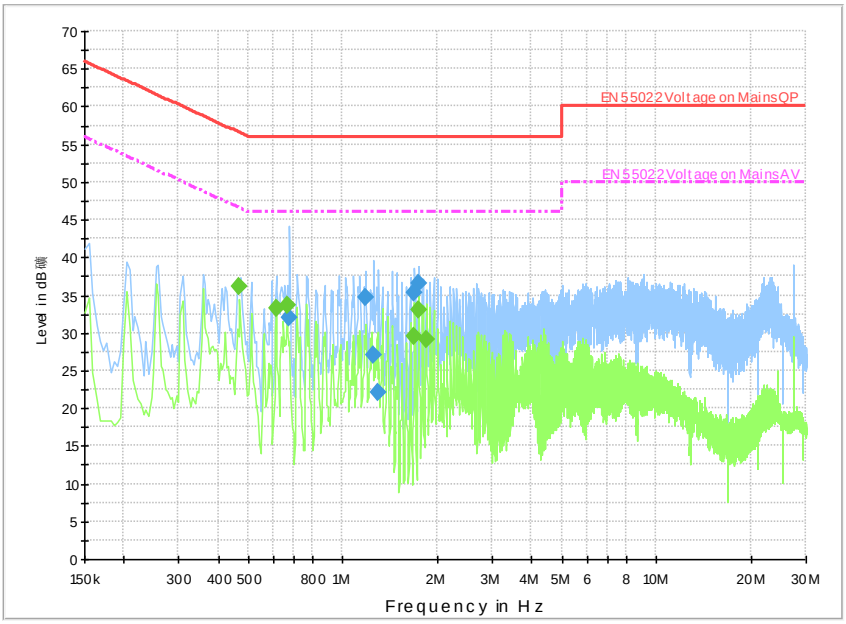

Fig. 291 AC Powerline Conducted Emission-802.11g

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.676500	31.9	GND	L1	10.0	24.1	56.0
1.180500	34.6	GND	N	10.0	21.4	56.0
1.257000	27.1	GND	N	10.0	28.9	56.0
1.302000	22.1	GND	N	10.0	33.9	56.0
1.693500	35.2	GND	N	10.0	20.8	56.0
1.743000	36.5	GND	N	10.0	19.5	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.469500	36.0	GND	N	10.0	10.5	46.5
0.613500	33.2	GND	L1	10.0	12.8	46.0
0.663000	33.7	GND	N	10.0	12.3	46.0
1.693500	29.6	GND	N	10.0	16.4	46.0
1.743000	33.1	GND	N	10.0	12.9	46.0
1.846500	29.2	GND	N	10.0	16.8	46.0