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	P
	1	30 MHz ~1 GHz	Fig.A.6.2.2	P
		1 GHz ~ 3 GHz	Fig.A.6.2.3	P
		3 GHz ~ 18 GHz	Fig.A.6.2.4	P
	6	30 MHz ~1 GHz	Fig.A.6.2.5	P
		1 GHz ~ 3 GHz	Fig.A.6.2.6	P
		3 GHz ~ 18 GHz	Fig.A.6.2.7	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.8	P
	11	30 MHz ~1 GHz	Fig.A.6.2.9	P
		1 GHz ~ 3 GHz	Fig.A.6.2.10	P
		3 GHz ~ 18 GHz	Fig.A.6.2.11	P
802.11g	Power	2.38GHz ~2.43GHz	Fig.A.6.2.12	P
	1	30 MHz ~1 GHz	Fig.A.6.2.13	P
		1 GHz ~ 3 GHz	Fig.A.6.2.14	P
		3 GHz ~ 18 GHz	Fig.A.6.2.15	P
	6	30 MHz ~1 GHz	Fig.A.6.2.16	P
		1 GHz ~ 3 GHz	Fig.A.6.2.17	P
		3 GHz ~ 18 GHz	Fig.A.6.2.18	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.19	P
	11	30 MHz ~1 GHz	Fig.A.6.2.20	P
		1 GHz ~ 3 GHz	Fig.A.6.2.21	P
		3 GHz ~ 18 GHz	Fig.A.6.2.22	P

802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.23	P
	1	30 MHz ~1 GHz	Fig.A.6.2.24	P
		1 GHz ~ 3 GHz	Fig.A.6.2.25	P
		3 GHz ~ 18 GHz	Fig.A.6.2.26	P
	6	30 MHz ~1 GHz	Fig.A.6.2.27	P
		1 GHz ~ 3 GHz	Fig.A.6.2.28	P
		3 GHz ~ 18 GHz	Fig.A.6.2.29	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.30	P
	11	30 MHz ~1 GHz	Fig.A.6.2.31	P
		1 GHz ~ 3 GHz	Fig.A.6.2.32	P
		3 GHz ~ 18 GHz	Fig.A.6.2.33	P
802.11n (HT40)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.34	P
	3	30 MHz ~1 GHz	Fig.A.6.2.35	P
		1 GHz ~ 3 GHz	Fig.A.6.2.36	P
		3 GHz ~ 18 GHz	Fig.A.6.2.37	P

	6	30 MHz ~1 GHz	Fig.A.6.2.38	**P**
		1 GHz ~ 3 GHz	Fig.A.6.2.39	**P**
		3 GHz ~ 18 GHz	Fig.A.6.2.40	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.41	**P**
	9	30 MHz ~1 GHz	Fig.A.6.2.42	**P**
		1 GHz ~ 3 GHz	Fig.A.6.2.43	**P**
		3 GHz ~ 18 GHz	Fig.A.6.2.44	**P**
/	All channels	18 GHz~ 26.5 GHz	Fig.A.6.2.45	**P**

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:

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

802.11b

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2390.000	44.3	-38.8	27.7	55.400	HORIZONTAL
17812.500	52.5	-18.5	45.6	25.400	VERTICAL
17916.000	52.5	-17.7	45.6	24.600	VERTICAL
17997.000	52.3	-17.7	45.6	24.400	VERTICAL
17808.000	52.3	-18.5	45.6	25.200	HORIZONTAL
17706.000	52.3	-18.9	45.6	25.600	VERTICAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17680.500	53.9	-18.9	45.6	27.200	HORIZONTAL
17818.500	53.9	-18.5	45.6	26.800	HORIZONTAL
17821.500	53.3	-18.5	45.6	26.200	VERTICAL
17803.500	52.9	-18.5	45.6	25.800	HORIZONTAL
17884.500	52.9	-18.5	45.6	25.800	VERTICAL
17946.000	52.7	-17.7	45.6	24.800	HORIZONTAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2483.500	46.3	-38.9	27.7	57.500	VERTICAL
17772.000	53.4	-18.5	45.6	26.300	VERTICAL
17922.000	53.0	-17.7	45.6	25.100	HORIZONTAL
17961.000	52.8	-17.7	45.6	24.900	VERTICAL
17824.500	52.8	-18.5	45.6	25.700	HORIZONTAL
17811.000	52.6	-18.5	45.6	25.500	HORIZONTAL

802.11g

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2390.000	53.6	-38.8	27.7	64.700	VERTICAL
17950.500	54.7	-17.7	45.6	26.800	VERTICAL
17907.000	54.0	-18.5	45.6	26.900	HORIZONTAL
17938.500	53.0	-17.7	45.6	25.100	VERTICAL
17817.000	53.0	-18.5	45.6	25.900	HORIZONTAL
17677.500	52.7	-18.9	45.6	26.000	VERTICAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17952.000	54.2	-17.7	45.6	26.300	VERTICAL
17896.500	53.4	-18.5	45.6	26.300	VERTICAL
17671.500	53.2	-18.9	45.6	26.500	VERTICAL
17809.500	53.0	-18.5	45.6	25.900	HORIZONTAL
17838.000	53.0	-18.5	45.6	25.900	VERTICAL
17946.000	52.9	-17.7	45.6	25.000	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2483.500	58.0	-38.9	27.7	69.200	HORIZONTAL
17805.000	54.9	-18.5	45.6	27.800	HORIZONTAL
17994.000	53.0	-17.7	45.6	25.100	HORIZONTAL
17778.000	52.9	-18.5	45.6	25.800	VERTICAL
17826.000	52.6	-18.5	45.6	25.500	VERTICAL
18000.000	52.3	-45.6	44.5	53.366	HORIZONTAL

802.11n-HT20

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2389.381	61.1	-38.8	27.7	72.200	HORIZONTAL
17848.500	53.4	-18.5	45.6	26.300	VERTICAL
17946.000	53.2	-17.7	45.6	25.300	HORIZONTAL
17658.000	52.8	-18.9	45.6	26.100	HORIZONTAL
17796.000	52.8	-18.5	45.6	25.700	VERTICAL
17596.500	52.7	-18.9	45.6	26.000	VERTICAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17889.000	53.2	-18.5	45.6	26.100	VERTICAL
17968.500	53.1	-17.7	45.6	25.200	VERTICAL
17878.500	52.9	-18.5	45.6	25.800	VERTICAL
17775.000	52.8	-18.5	45.6	25.700	HORIZONTAL
17955.000	52.6	-17.7	45.6	24.700	VERTICAL
17911.500	52.6	-18.5	45.6	25.500	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2483.500	62.1	-38.9	27.7	73.300	VERTICAL
17811.000	54.5	-18.5	45.6	27.400	HORIZONTAL
17653.500	53.6	-18.9	45.6	26.900	VERTICAL
17982.000	53.3	-17.7	45.6	25.400	VERTICAL
17734.500	53.2	-18.9	45.6	26.500	VERTICAL
17644.500	53.1	-18.9	45.6	26.400	HORIZONTAL

802.11n-HT40

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2389.994	60.7	-38.8	27.7	71.800	HORIZONTAL
17802.000	53.4	-18.5	45.6	26.300	HORIZONTAL
17793.000	53.2	-18.5	45.6	26.100	VERTICAL
17991.000	53.0	-17.7	45.6	25.100	VERTICAL
17725.500	52.4	-18.9	45.6	25.700	VERTICAL
17890.500	52.2	-18.5	45.6	25.100	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17667.000	53.2	-18.9	45.6	26.500	VERTICAL
17974.500	53.0	-17.7	45.6	25.100	HORIZONTAL
17782.500	53.0	-18.5	45.6	25.900	HORIZONTAL
17674.500	52.8	-18.9	45.6	26.100	VERTICAL
17955.000	52.6	-17.7	45.6	24.700	VERTICAL
17679.000	52.6	-18.9	45.6	25.900	HORIZONTAL

Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
2483.500	57.2	-38.9	27.7	68.400	VERTICAL
17784.000	54.1	-18.5	45.6	27.000	VERTICAL
17679.000	52.8	-18.9	45.6	26.100	VERTICAL
17971.500	52.5	-17.7	45.6	24.600	HORIZONTAL
17869.500	52.3	-18.5	45.6	25.200	VERTICAL
17923.500	52.3	-17.7	45.6	24.400	VERTICAL

Test graphs as below:

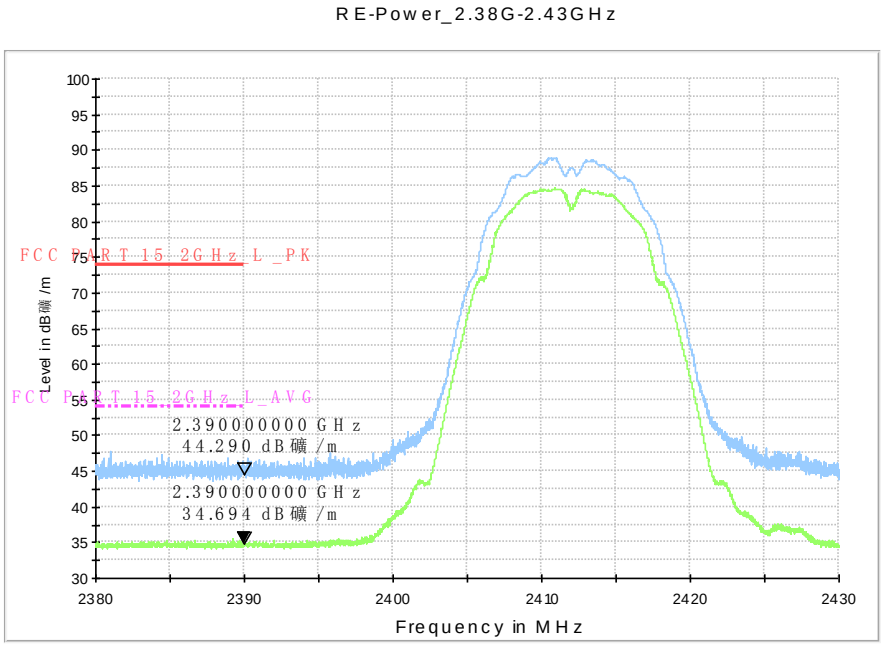

Fig.A.6.2.1 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz – 2.45GHz

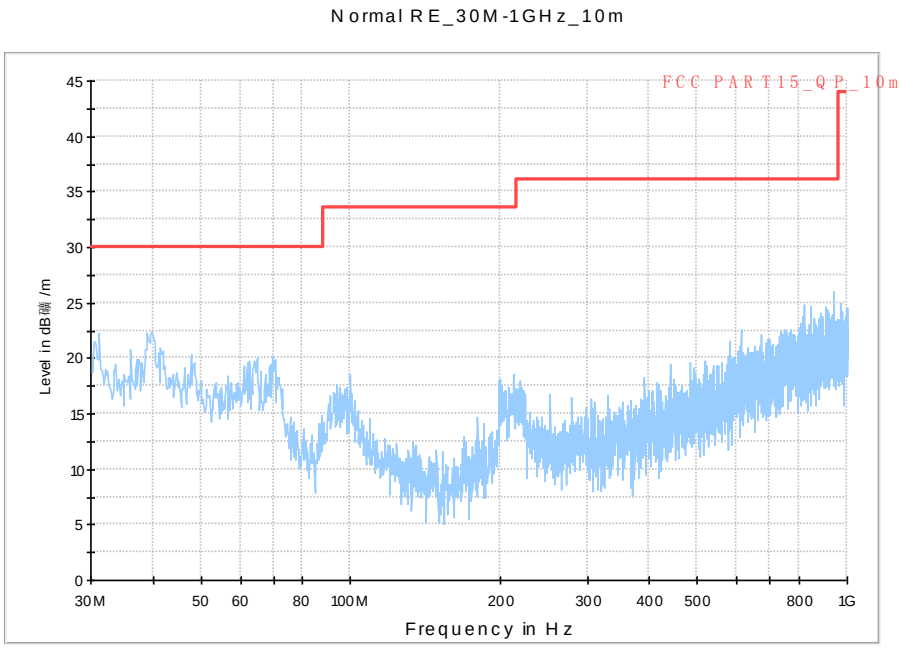

Fig.A.6.2.2 Radiated Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)

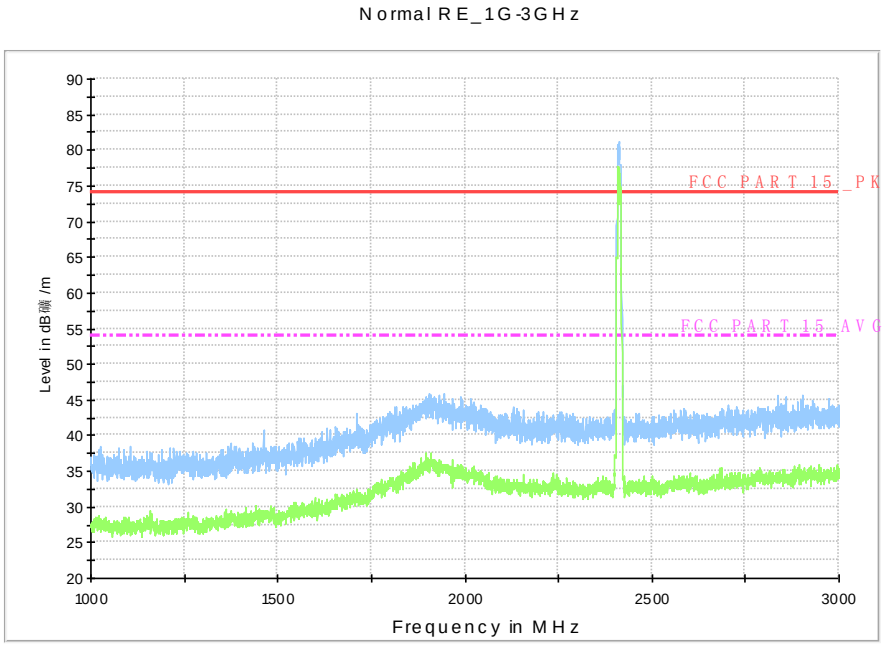

Fig.A.6.2.3 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)

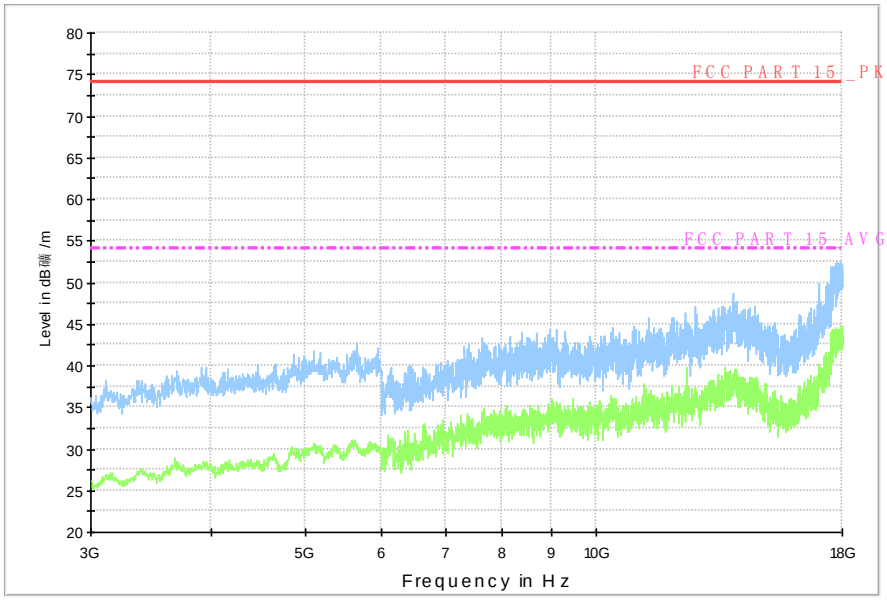

Fig.A.6.2.4 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

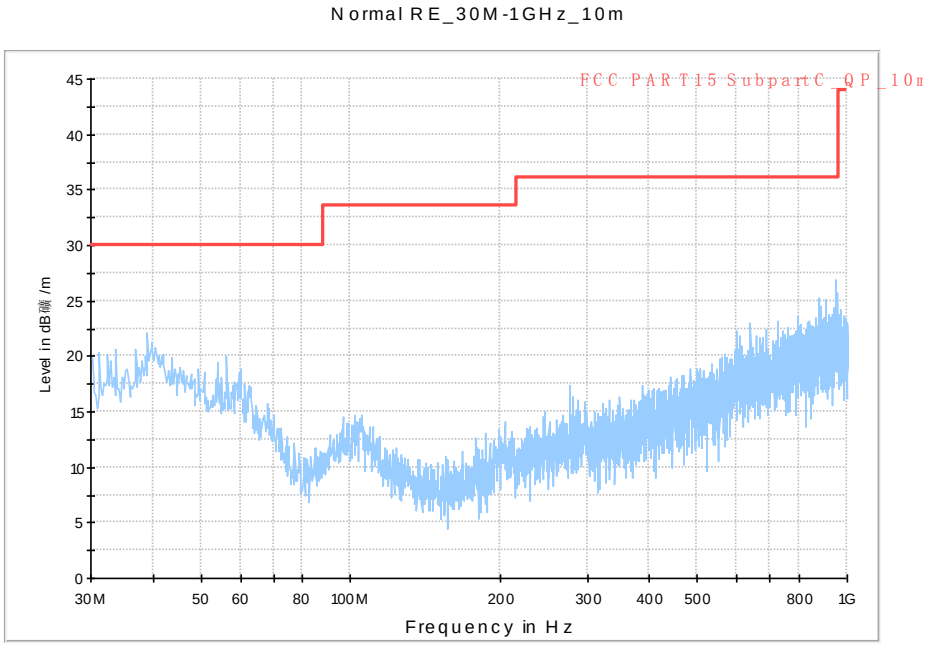

Fig.A.6.2.5 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

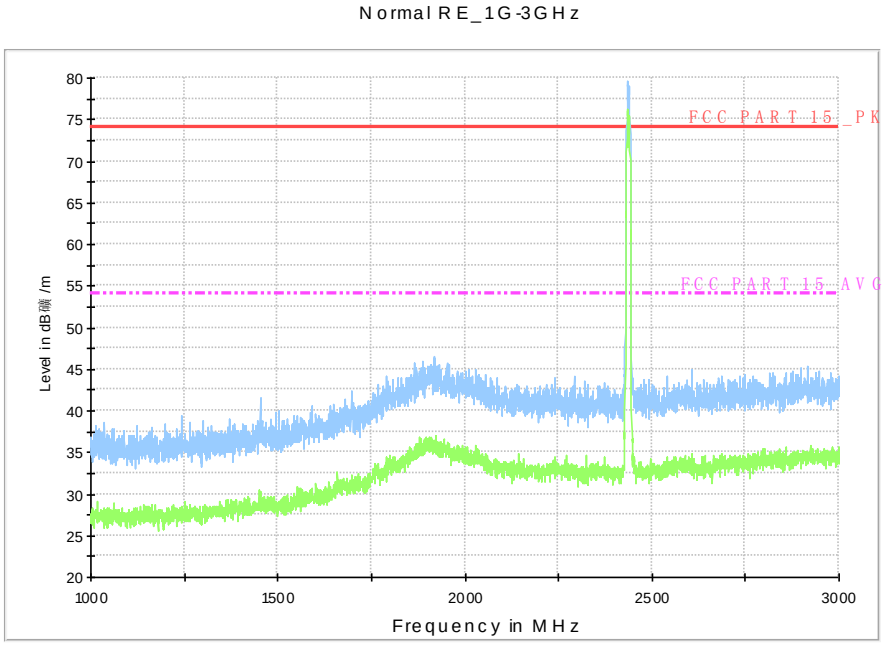

Fig.A.6.2.6 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)

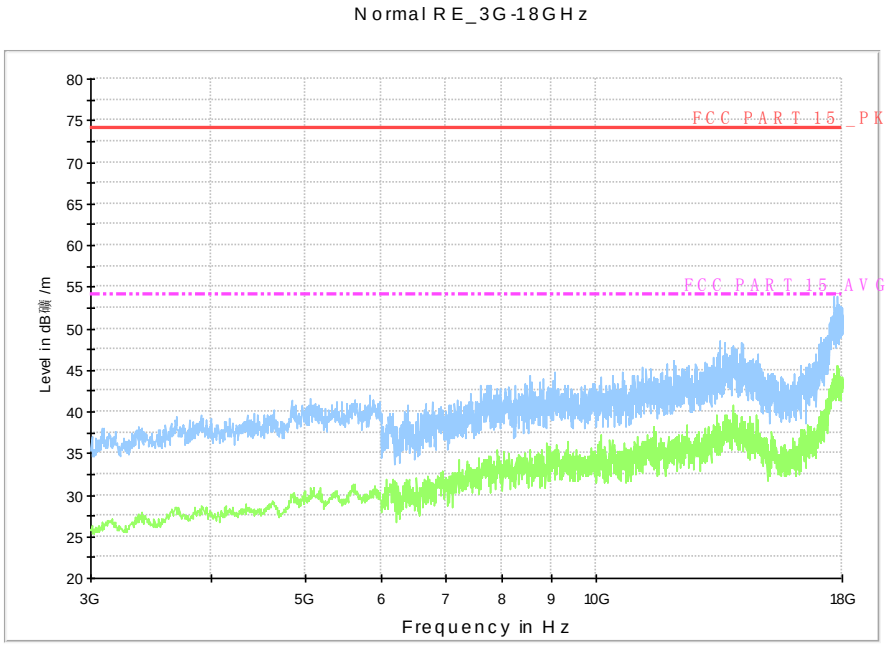

Fig.A.6.2.7 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

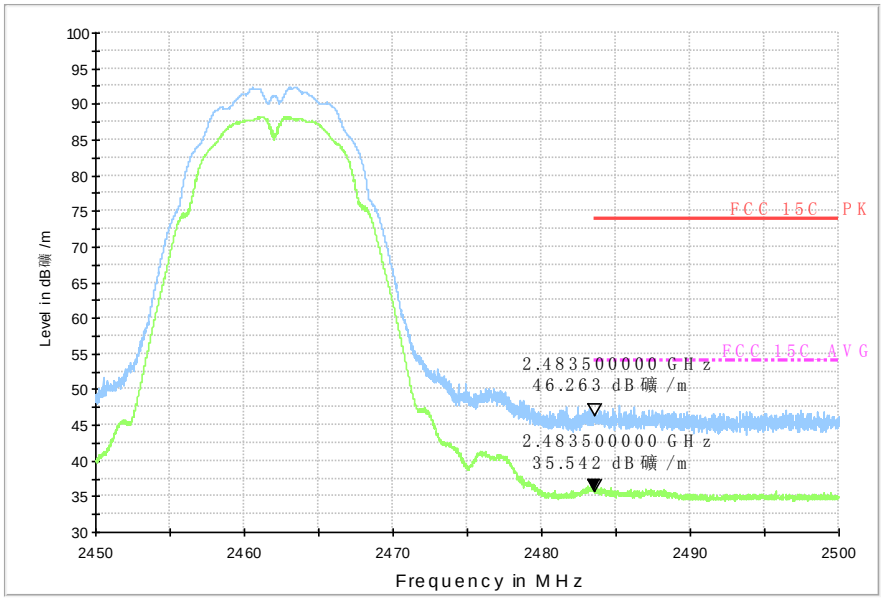

Fig.A.6.2.8 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

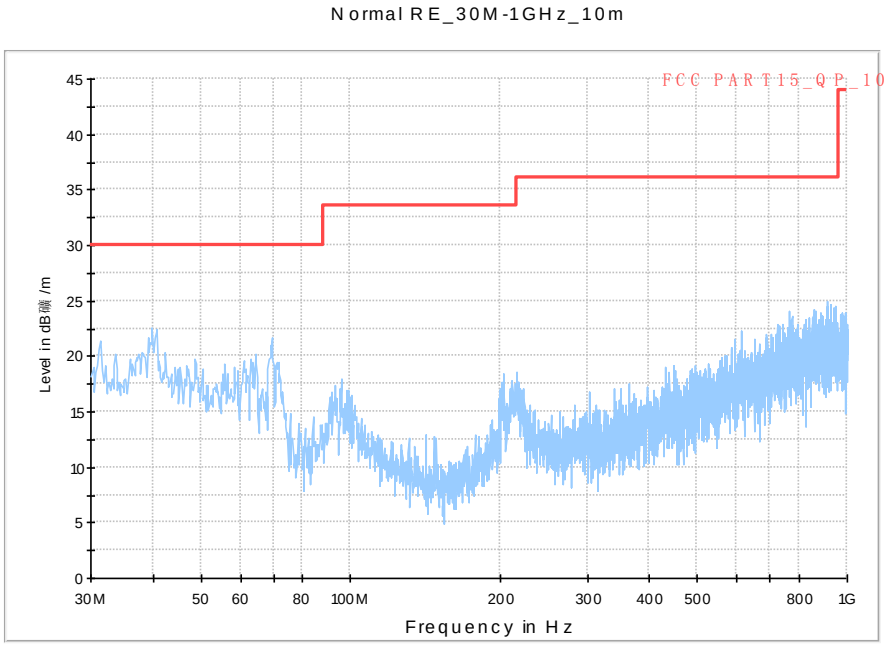

Fig.A.6.2.9 Radiated Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)

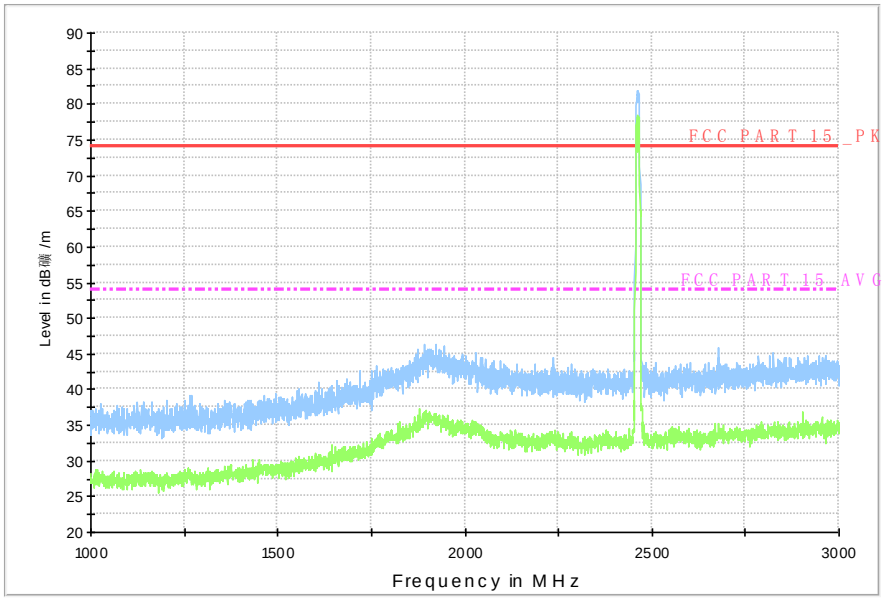

Fig.A.6.2.10 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)

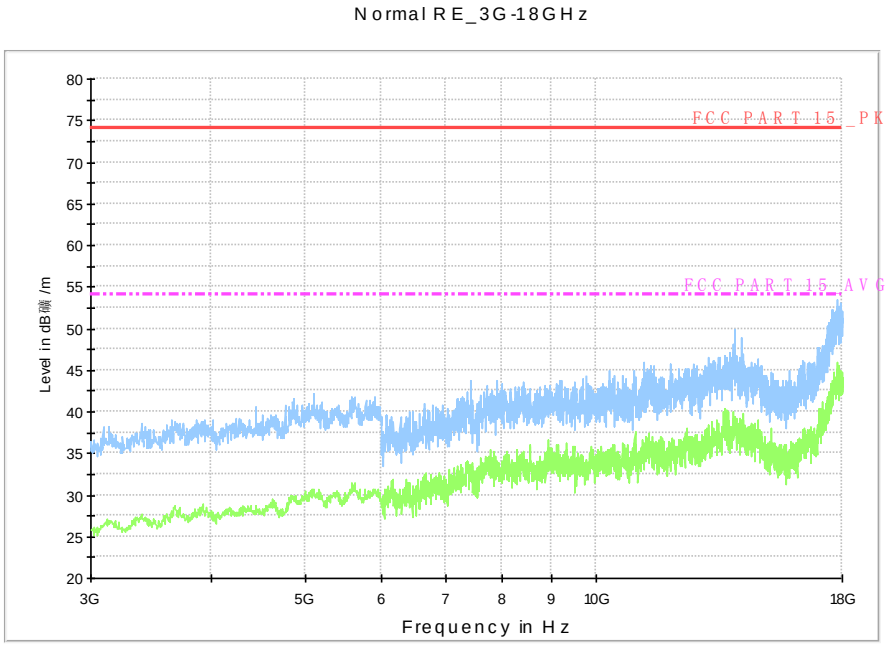

Fig.A.6.2.11 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

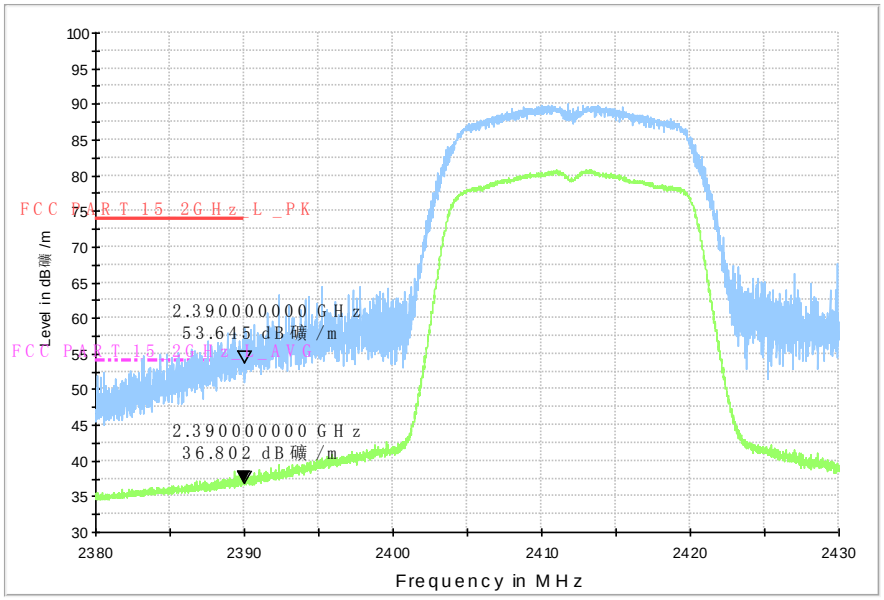

Fig.A.6.2.12 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz

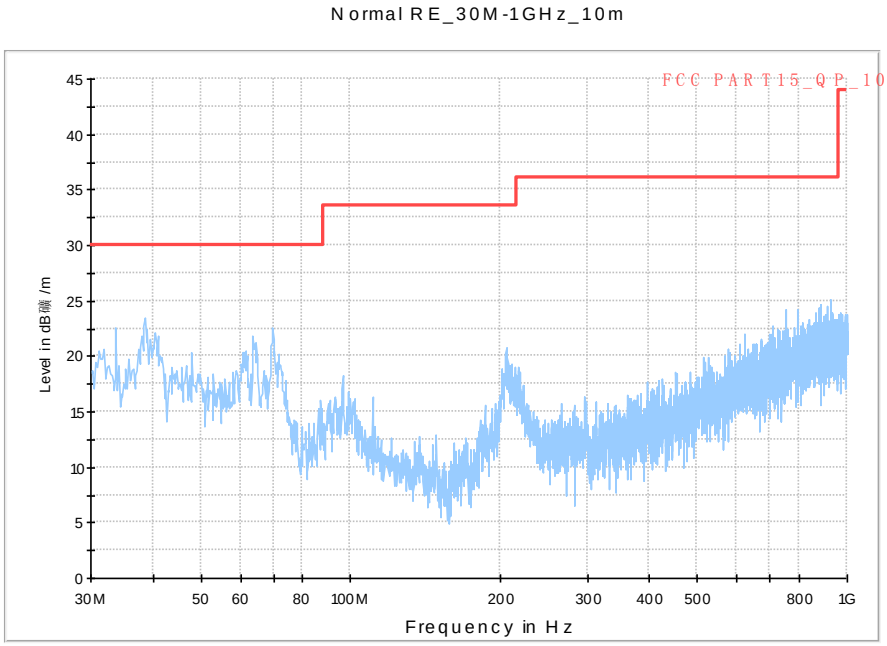

Fig.A.6.2.13 Radiated Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)

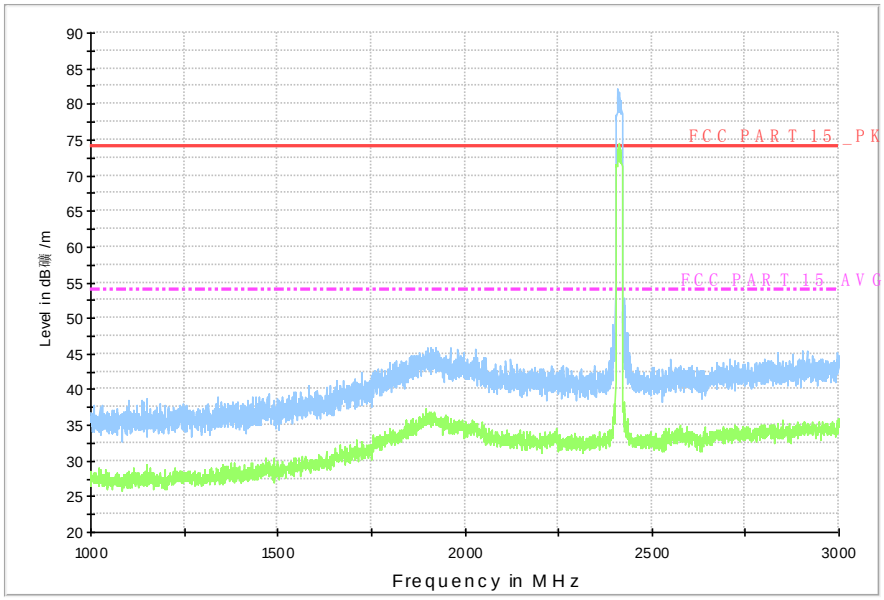

Fig.A.6.2.14 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)

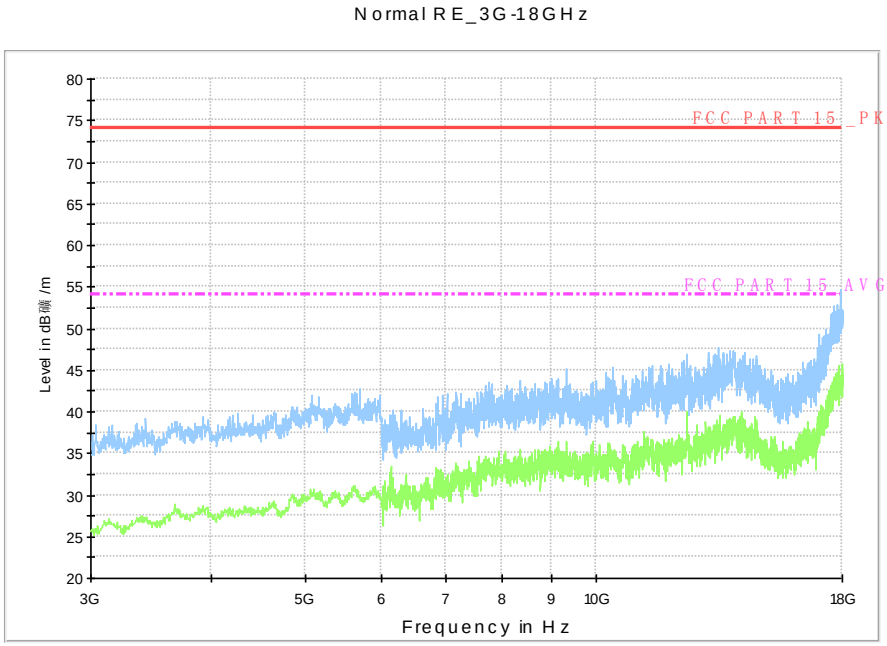

Fig.A.6.2.15 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

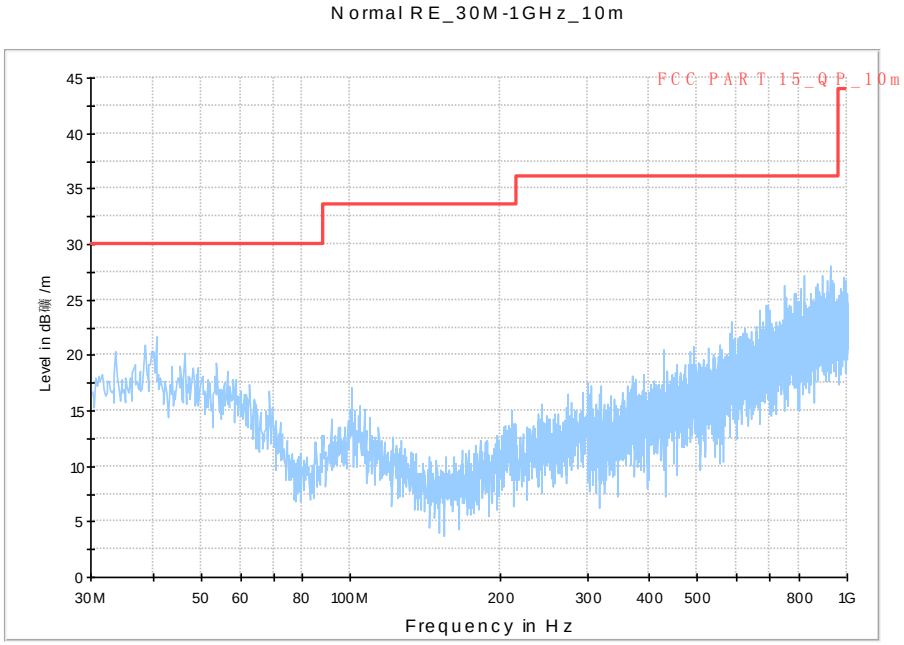

Fig.A.6.2.16 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)

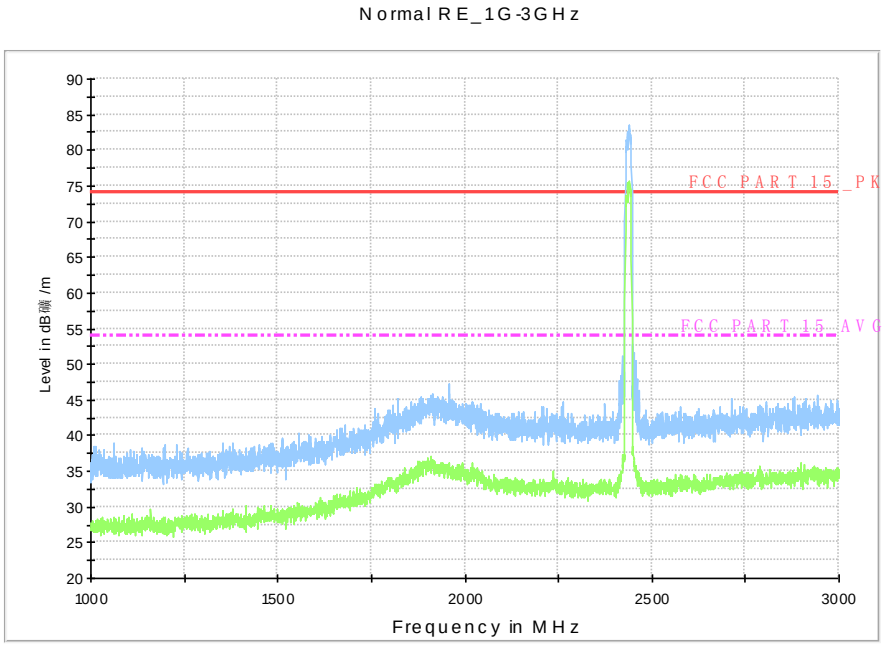

Fig.A.6.2.17 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

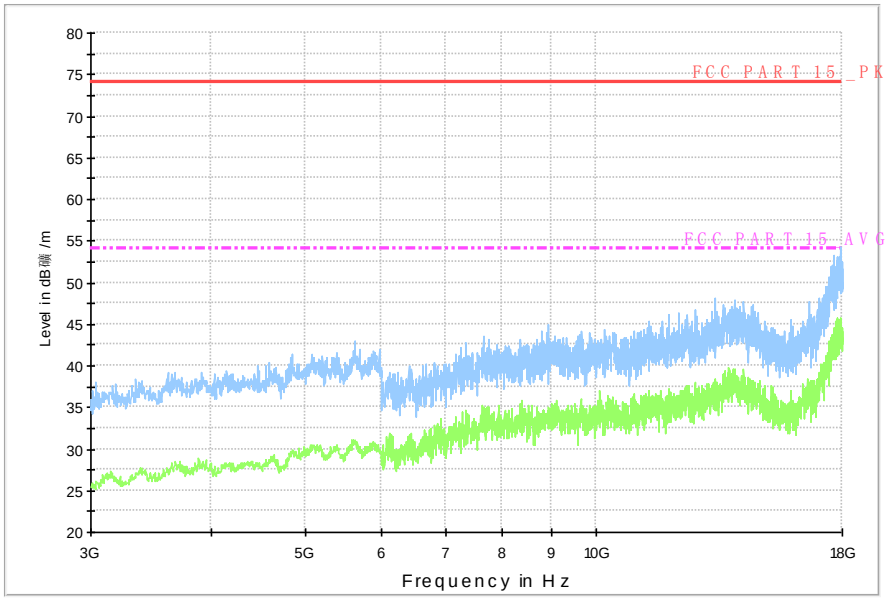

Fig.A.6.2.18 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

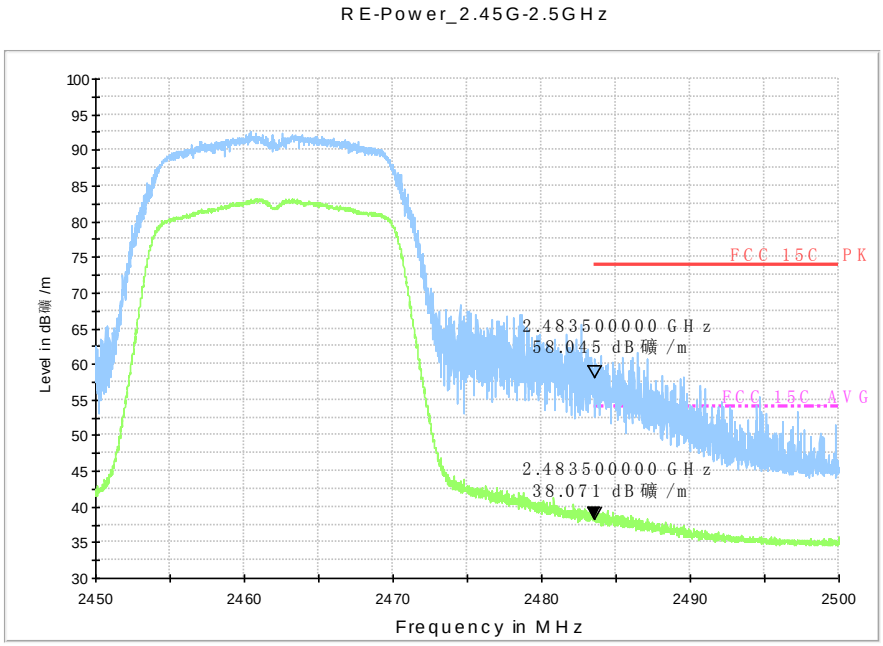

Fig.A.6.2.19 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

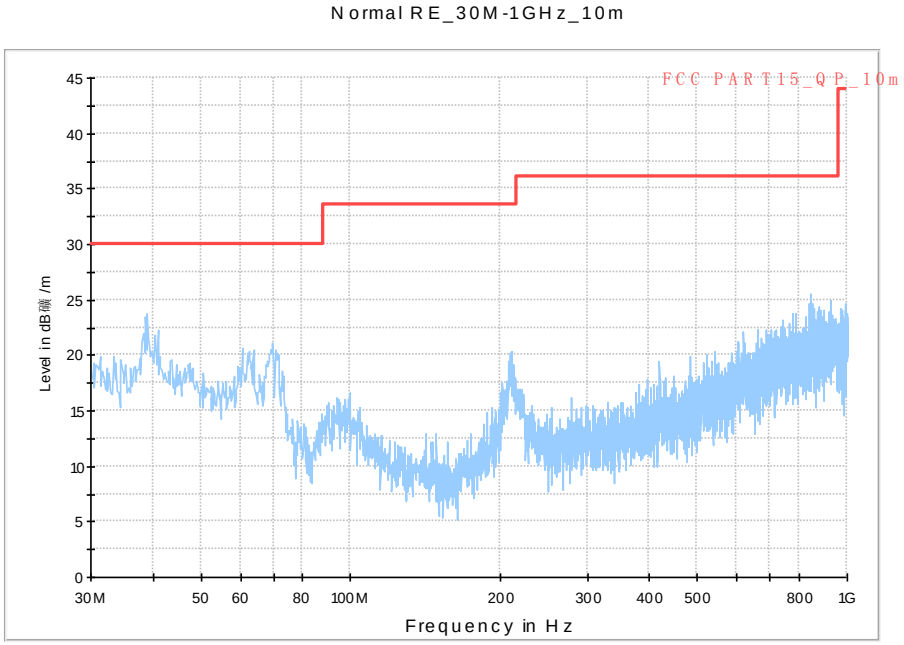

Fig.A.6.2.20 Radiated Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)

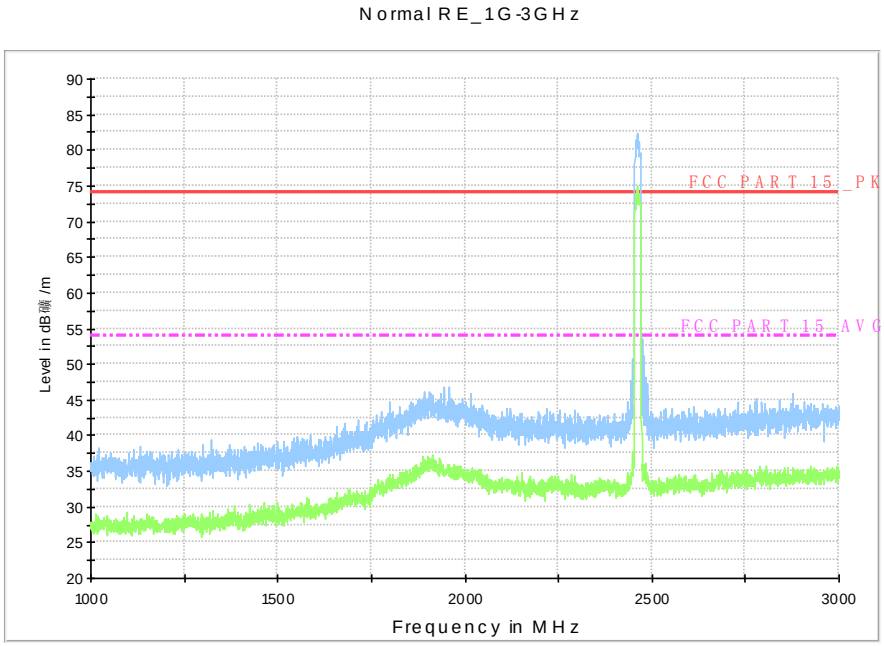

Fig.A.6.2.21 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

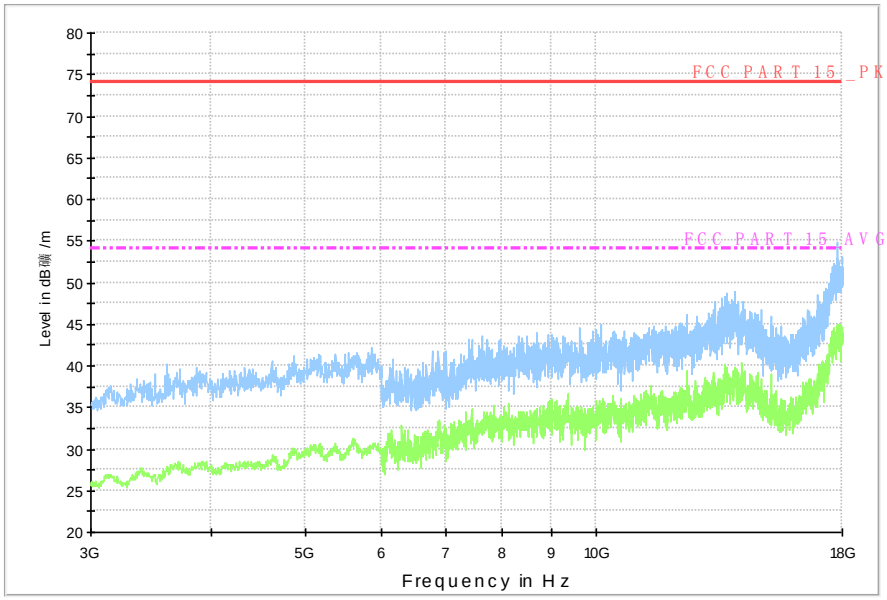

Fig.A.6.2.22 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

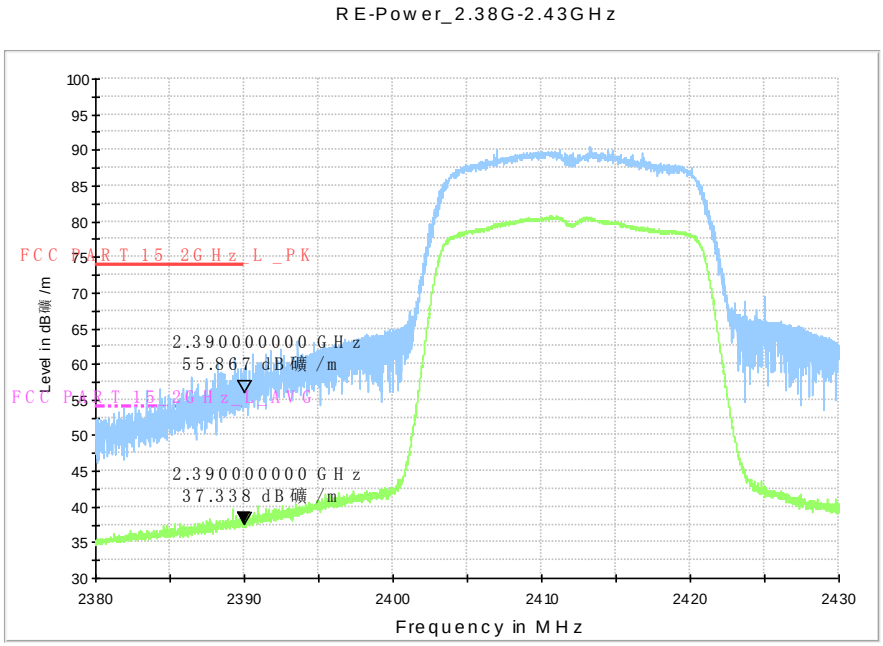

Fig.A.6.2.23 Radiated Spurious Emission (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

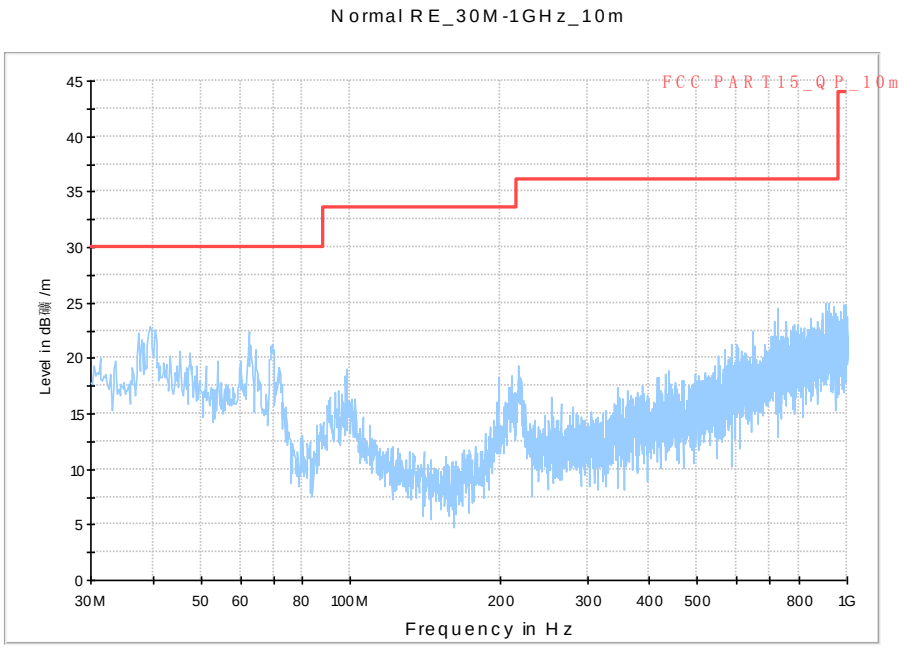

Fig.A.6.2.24 Radiated Spurious Emission (802.11n-HT20, Ch1, 30 MHz-1 GHz)

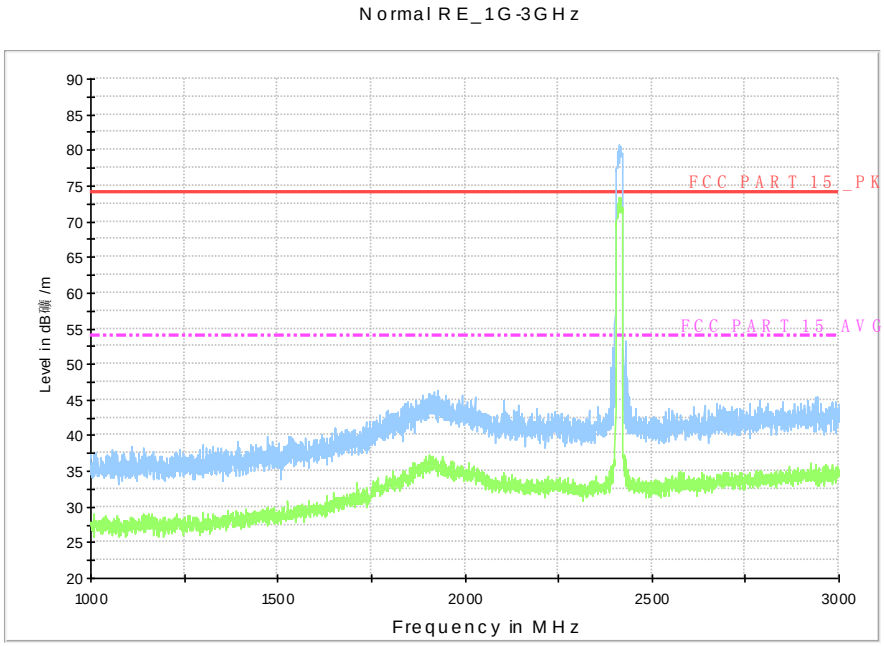

Fig.A.6.2.25 Radiated Spurious Emission (802.11n-HT20, Ch1, 1 GHz-3 GHz)

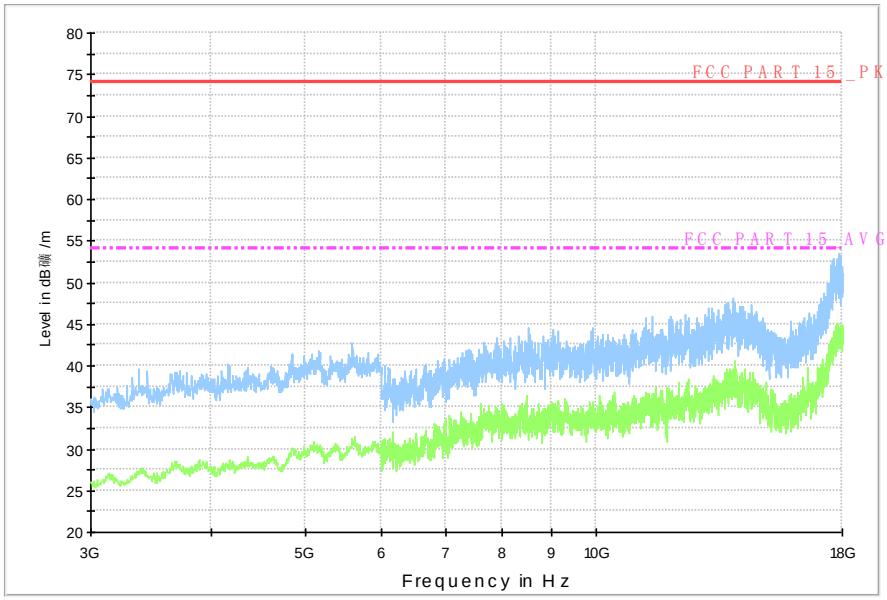

Fig.A.6.2.26 Radiated Spurious Emission (802.11n-HT20, Ch1, 3 GHz-18 GHz)

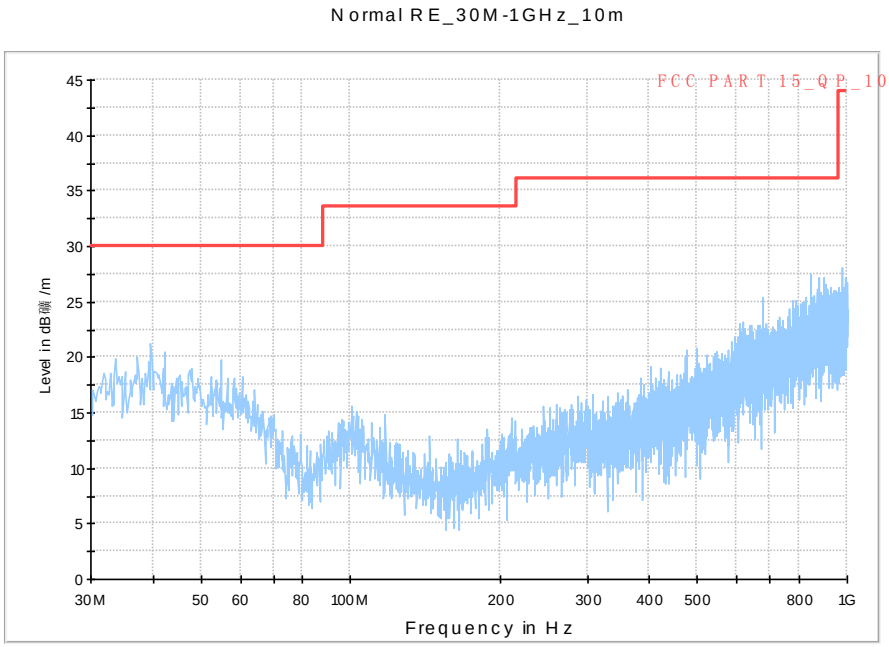

Fig.A.6.2.27 Radiated Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)

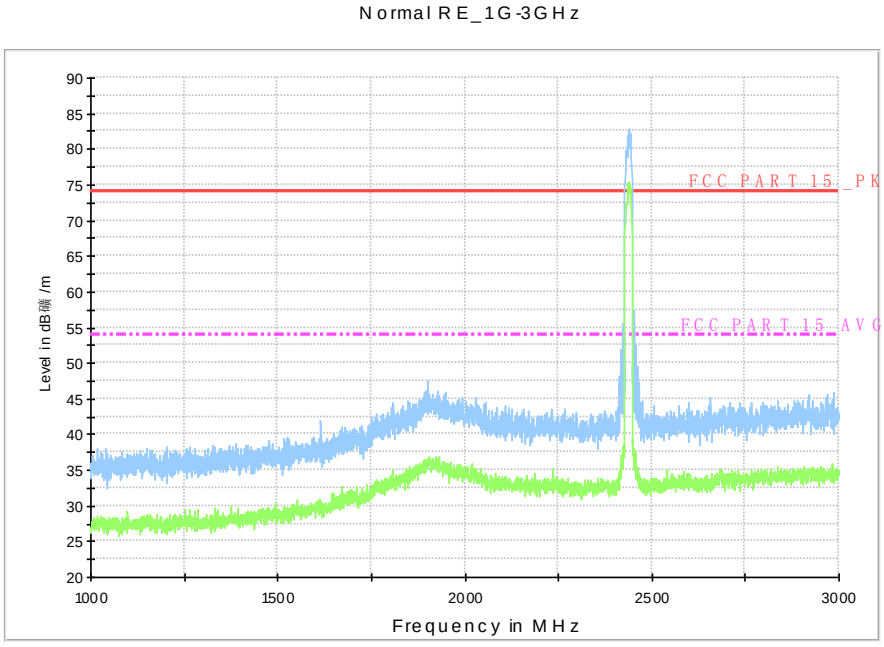

Fig.A.6.2.28 Radiated Spurious Emission (802.11n-HT20, Ch6, 1 GHz-3 GHz)

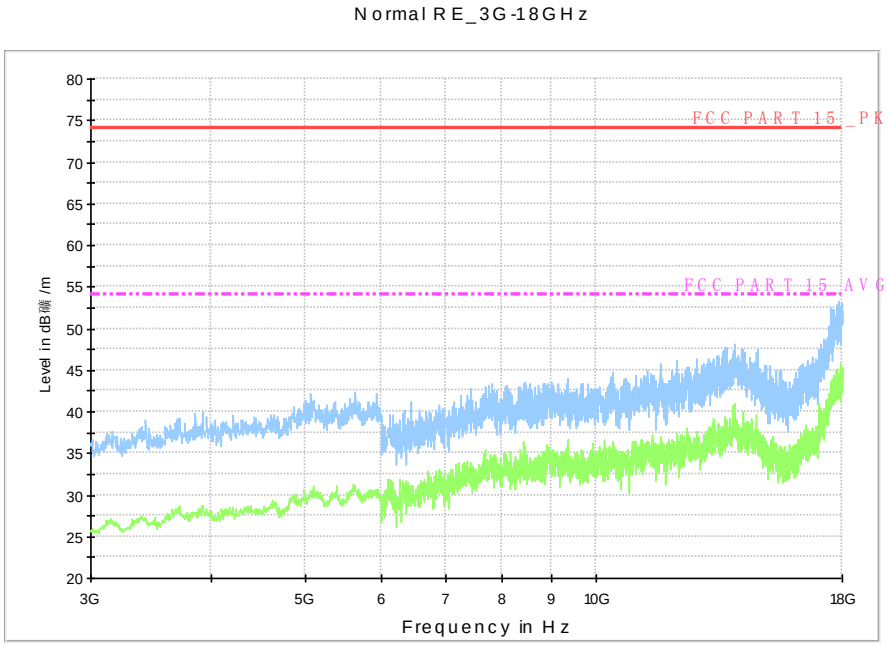

Fig.A.6.2.29 Radiated Spurious Emission (802.11n-HT20, Ch6, 3 GHz-18 GHz)

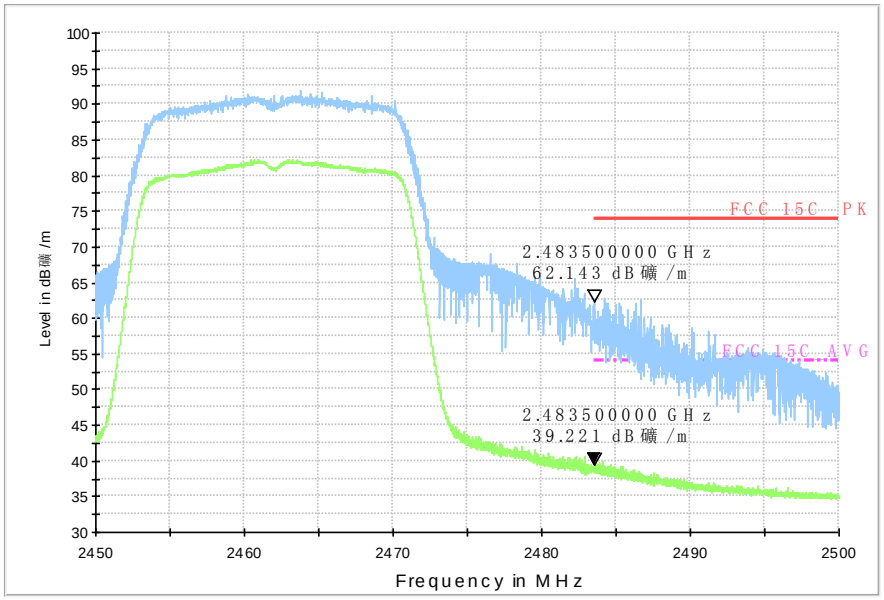

Fig.A.6.2.30 Radiated Spurious Emission (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

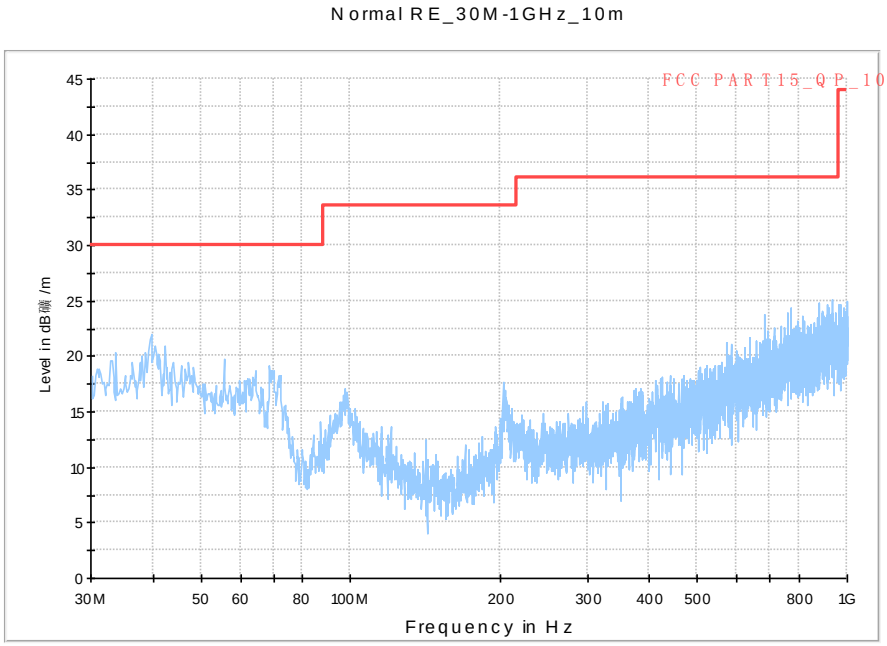

Fig.A.6.2.31 Radiated Spurious Emission (802.11n-HT20, Ch11, 30 MHz-1 GHz)

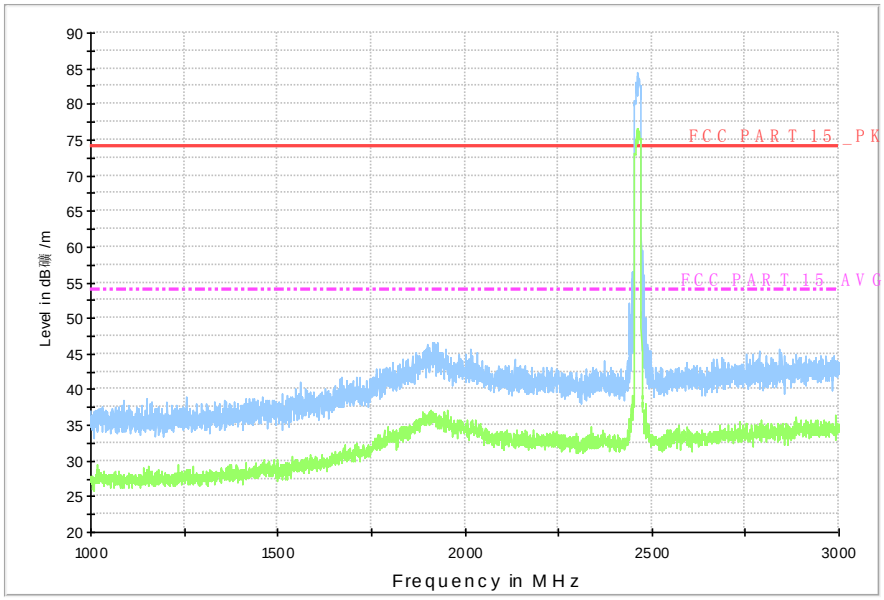

Fig.A.6.2.32 Radiated Spurious Emission (802.11n-HT20, Ch11, 1 GHz-3 GHz)

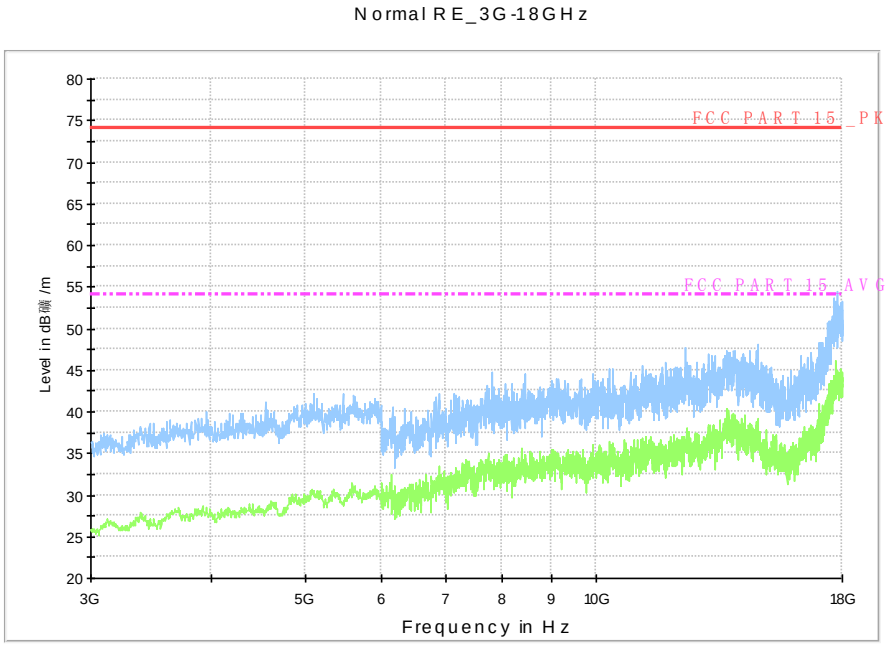

Fig.A.6.2.33 Radiated Spurious Emission (802.11n-HT20, Ch11, 3 GHz-18 GHz)

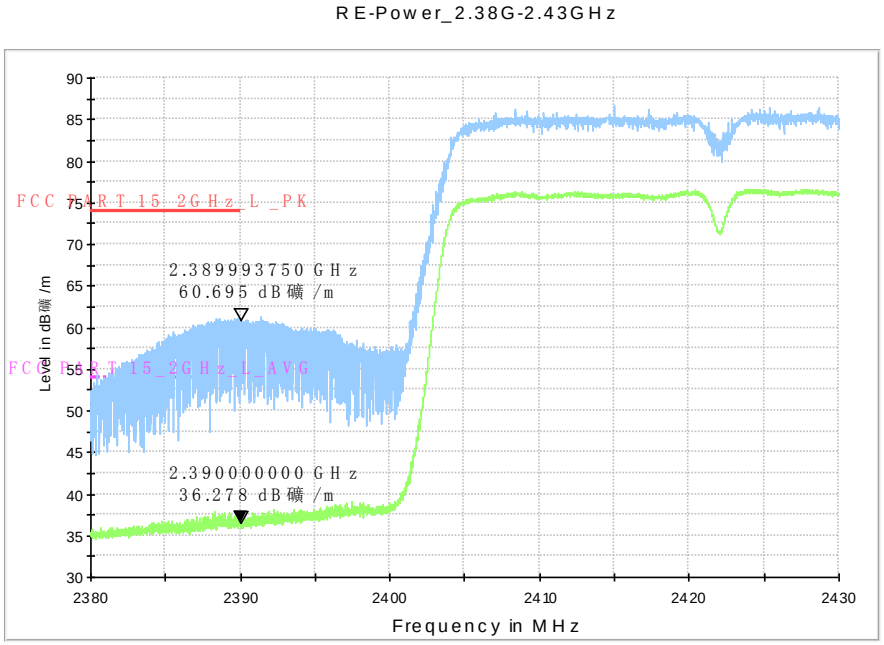

Fig.A.6.2.34 Radiated Spurious Emission (Power): 802.11n-HT40, ch3, 2.38 GHz - 2.45GHz

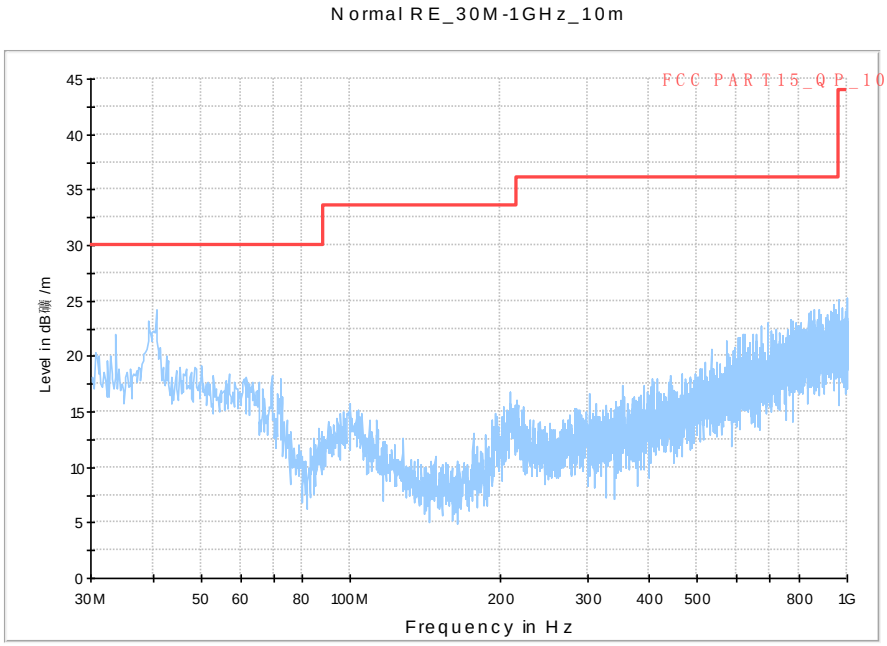

Fig.A.6.2.35 Radiated Spurious Emission (802.11n-HT40, ch3, 30 MHz-1 GHz)

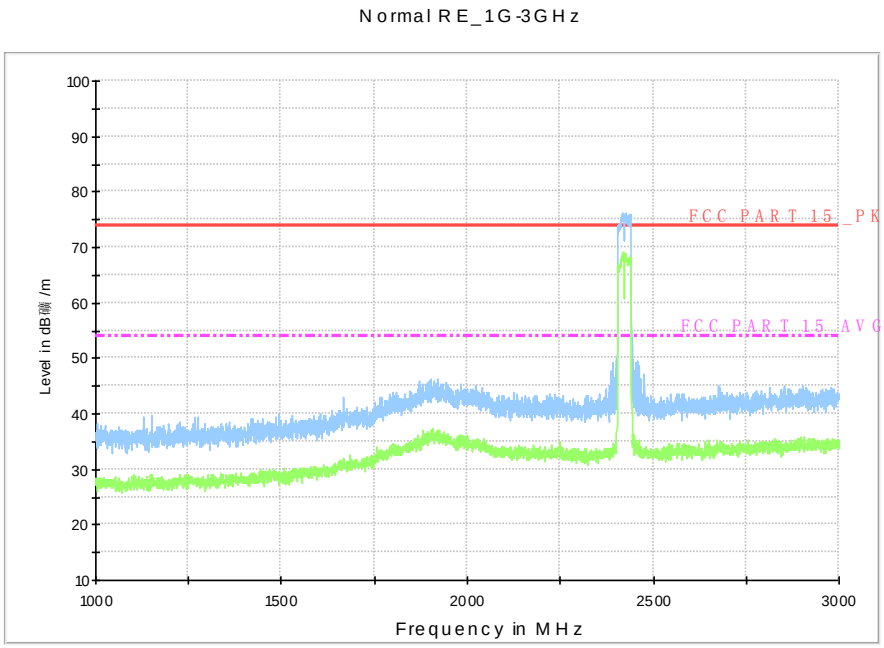

Fig.A.6.2.36 Radiated Spurious Emission (802.11n-HT40, ch3, 1 GHz-3 GHz)

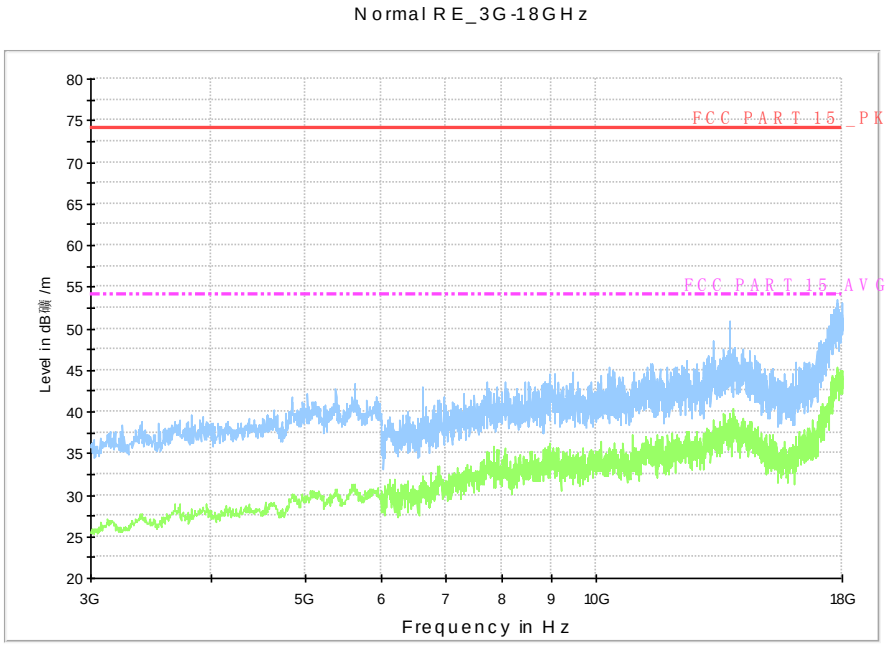

Fig.A.6.2.37 Radiated Spurious Emission (802.11n-HT40, ch3, 3 GHz-18 GHz)

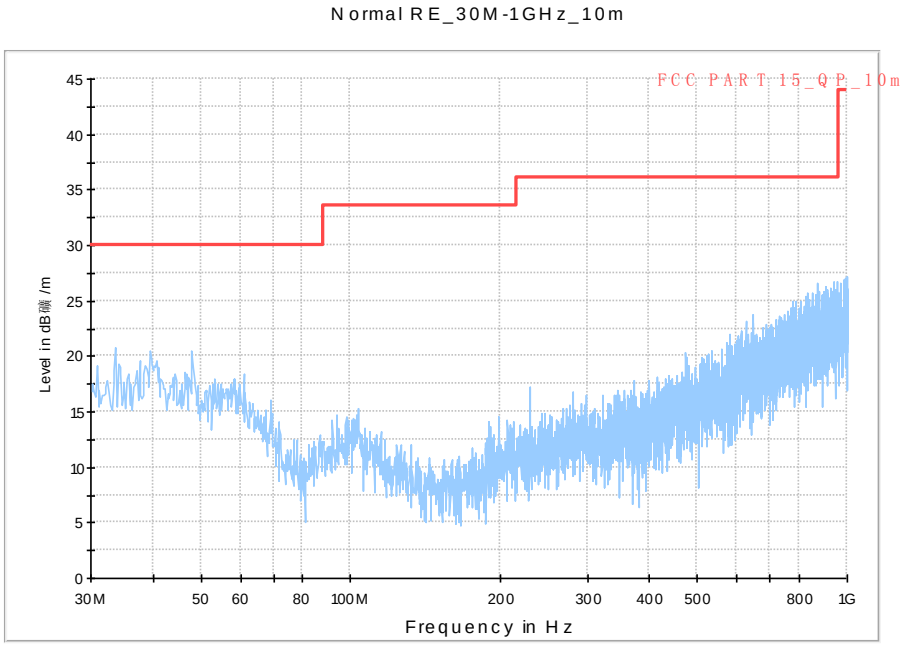

Fig.A.6.2.38 Radiated Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)

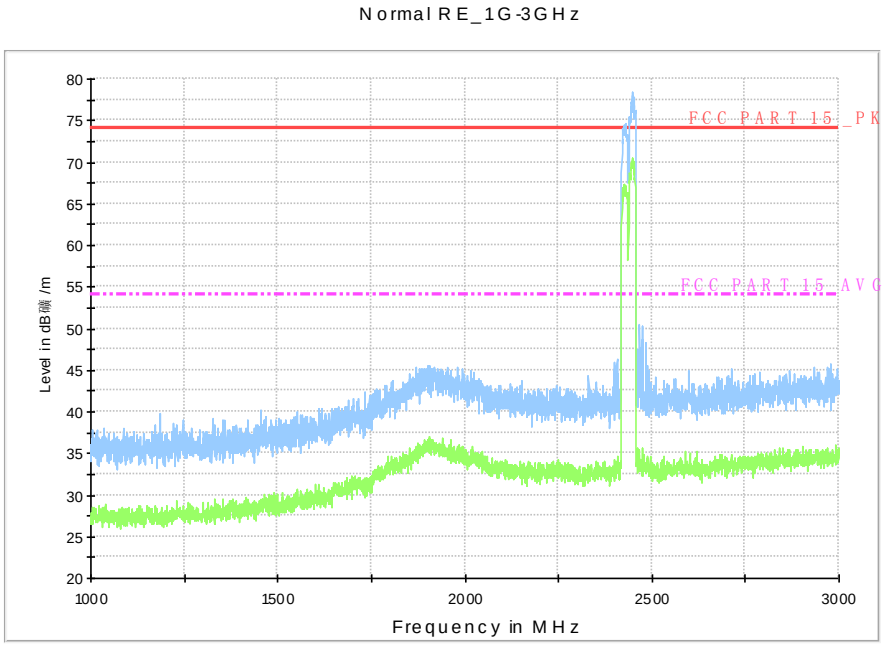

Fig.A.6.2.39 Radiated Spurious Emission (802.11n-HT40, Ch6, 1 GHz-3 GHz)

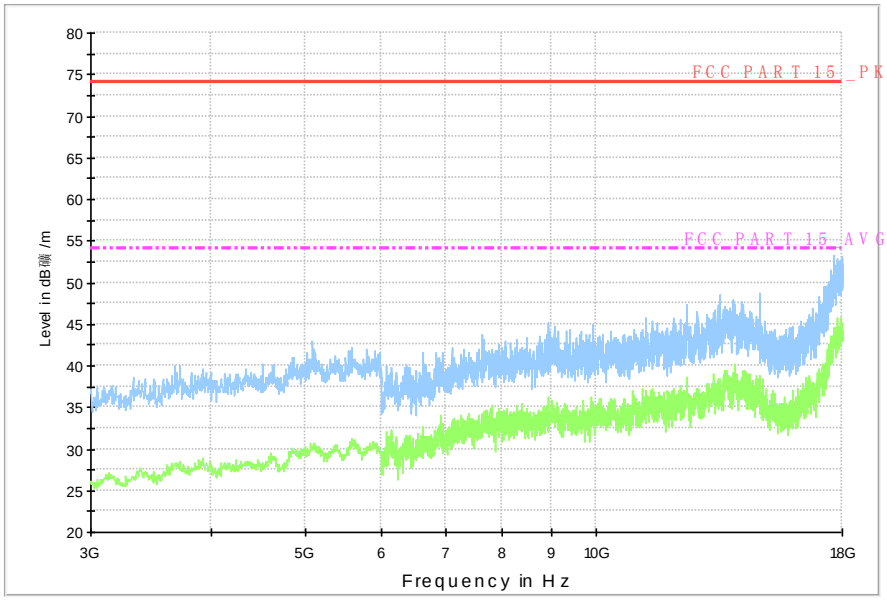

Fig.A.6.2.40 Radiated Spurious Emission (802.11n-HT40, Ch6, 3 GHz-18 GHz)

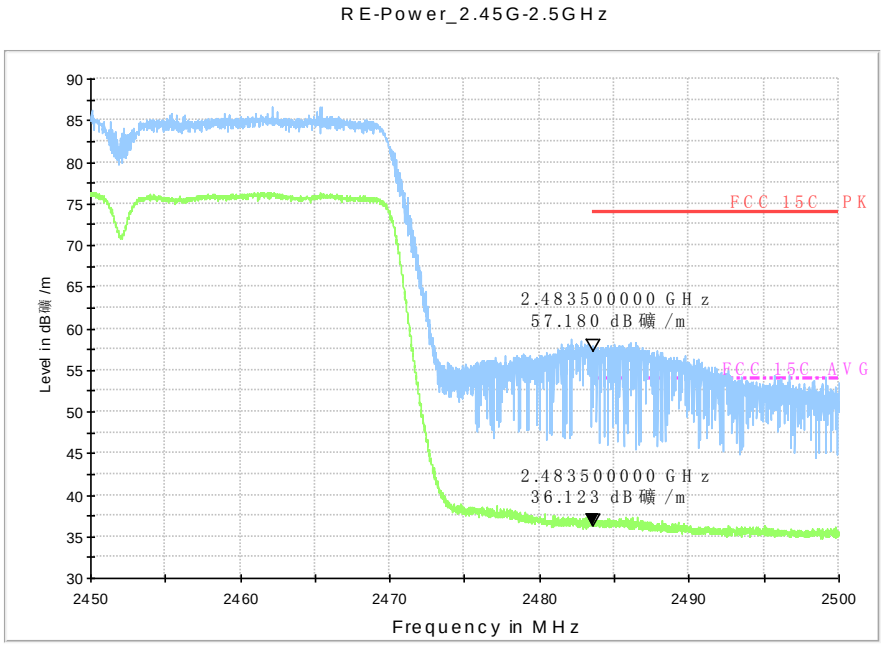

Fig.A.6.2.41 Radiated Spurious Emission (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz

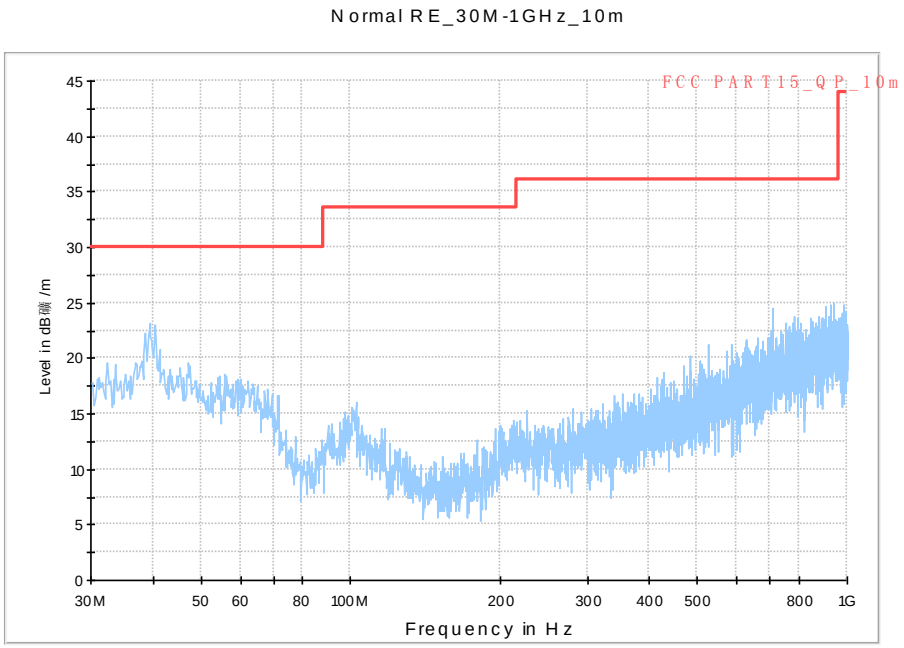

Fig.A.6.2.42 Radiated Spurious Emission (802.11n-HT40, ch9, 30 MHz-1 GHz)

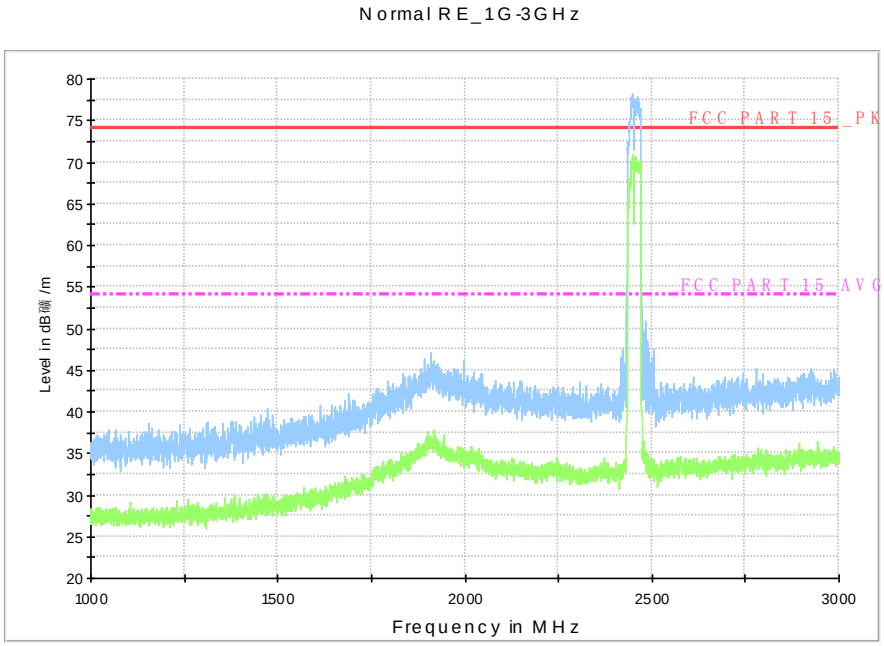

Fig.A.6.2.43 Radiated Spurious Emission (802.11n-HT40, ch9, 1 GHz-3 GHz)

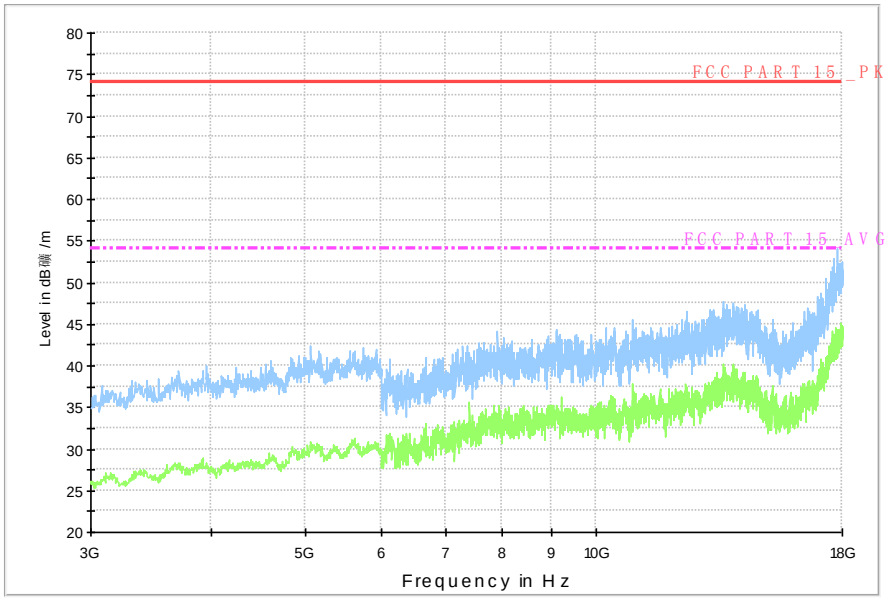

Fig.A.6.2.44 Radiated Spurious Emission (802.11n-HT40, ch9, 3 GHz-18 GHz)

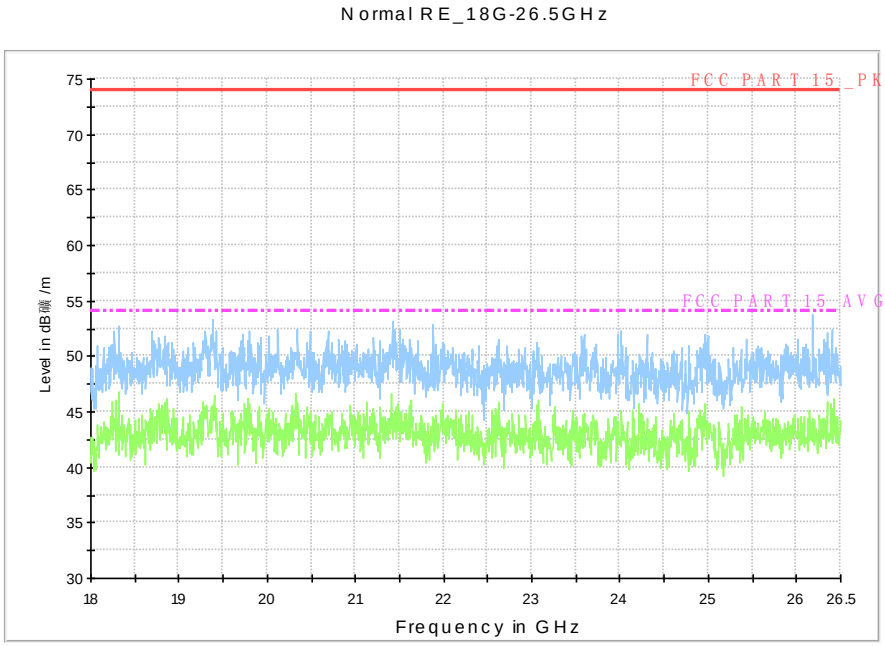

Fig.A.6.2.45 Radiated Spurious Emission (All channels): 18GHz – 26.5GHz