

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
2390.000	32.7	-38.8	27.7	43.800	V
17979.000	43.0	-17.7	45.6	15.100	V
17982.000	43.0	-17.7	45.6	15.100	H
17995.500	42.9	-17.7	45.6	15.000	V
17976.000	42.9	-17.7	45.6	15.000	V
17983.500	42.9	-17.7	45.6	15.000	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17982.000	43.3	-17.7	45.6	15.400	V
17979.000	43.0	-17.7	45.6	15.100	V
17995.500	43.0	-17.7	45.6	15.100	V
17989.500	42.7	-17.7	45.6	14.800	H
17992.500	42.7	-17.7	45.6	14.800	H
17743.500	42.6	-18.5	45.6	15.500	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
24835.000	33.0	-43.4	45.8	30.563	V
17982.000	43.3	-17.7	45.6	15.400	V
17749.500	43.0	-18.5	45.6	15.900	H
17979.000	43.0	-17.7	45.6	15.100	V
17986.500	43.0	-17.7	45.6	15.100	H
17985.000	42.9	-17.7	45.6	15.000	H

802.11g

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
2390.000	36.2	-38.8	27.7	47.300	V
17982.000	43.9	-17.7	45.6	16.000	V
17979.000	43.8	-17.7	45.6	15.900	H
17983.500	43.7	-17.7	45.6	15.800	H
17989.500	43.5	-17.7	45.6	15.600	V
17992.500	43.5	-17.7	45.6	15.600	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17982.000	44.1	-17.7	45.6	16.200	V
17979.000	44.1	-17.7	45.6	16.200	V
17989.500	44.0	-17.7	45.6	16.100	V
17976.000	43.9	-17.7	45.6	16.000	V
17995.500	43.8	-17.7	45.6	15.900	V
17986.500	43.7	-17.7	45.6	15.800	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
2483.500	36.7	-38.9	27.7	47.900	H
17982.000	43.8	-17.7	45.6	15.900	H
17986.500	43.6	-17.7	45.6	15.700	H
17989.500	43.6	-17.7	45.6	15.700	V
17979.000	43.5	-17.7	45.6	15.600	V
17976.000	43.3	-17.7	45.6	15.400	H

802.11n-HT20

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
2390.000	34.9	-38.8	27.7	46.000	H
17979.000	44.2	-17.7	45.6	16.300	V
17989.500	44.1	-17.7	45.6	16.200	H
17980.500	44.1	-17.7	45.6	16.200	H
17992.500	44.1	-17.7	45.6	16.200	V
17982.000	44.1	-17.7	45.6	16.200	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17992.500	44.3	-17.7	45.6	16.400	V
17979.000	44.3	-17.7	45.6	16.400	V
17982.000	44.0	-17.7	45.6	16.100	V
17995.500	43.9	-17.7	45.6	16.000	H
17989.500	43.8	-17.7	45.6	15.900	H
17986.500	43.8	-17.7	45.6	15.900	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
2483.500	45.5	-38.9	27.7	56.700	V
17979.000	43.9	-17.7	45.6	16.000	H
17976.000	43.9	-17.7	45.6	16.000	H
17982.000	43.9	-17.7	45.6	16.000	V
17983.500	43.8	-17.7	45.6	15.900	H
17986.500	43.8	-17.7	45.6	15.900	H

802.11n-HT40

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
23902	31.845	-38.8	27.7	49.500	H
17982	44.42682	-17.7	45.6	16.000	V
17979	44.38402	-17.7	45.6	16.000	H
17983.5	44.30574	-17.7	45.6	15.900	H
17976	44.19437	-17.7	45.6	15.800	V
17980.5	44.17889	-17.7	45.6	15.700	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17982.000	31.8	-17.7	45.6	3.900	V
17986.500	44.3	-17.7	45.6	16.400	V
17985.000	44.3	-17.7	45.6	16.400	V
17992.500	44.3	-17.7	45.6	16.400	H
17979.000	44.3	-17.7	45.6	16.400	H
17980.500	44.1	-17.7	45.6	16.200	H

Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
2483.500	44.3	-38.9	27.7	55.500	V
17979.000	44.3	-17.7	45.6	16.400	H
17989.500	44.2	-17.7	45.6	16.300	H
17982.000	44.1	-17.7	45.6	16.200	V
17995.500	44.1	-17.7	45.6	16.200	H
17986.500	44.0	-17.7	45.6	16.100	H

Test graphs as below:

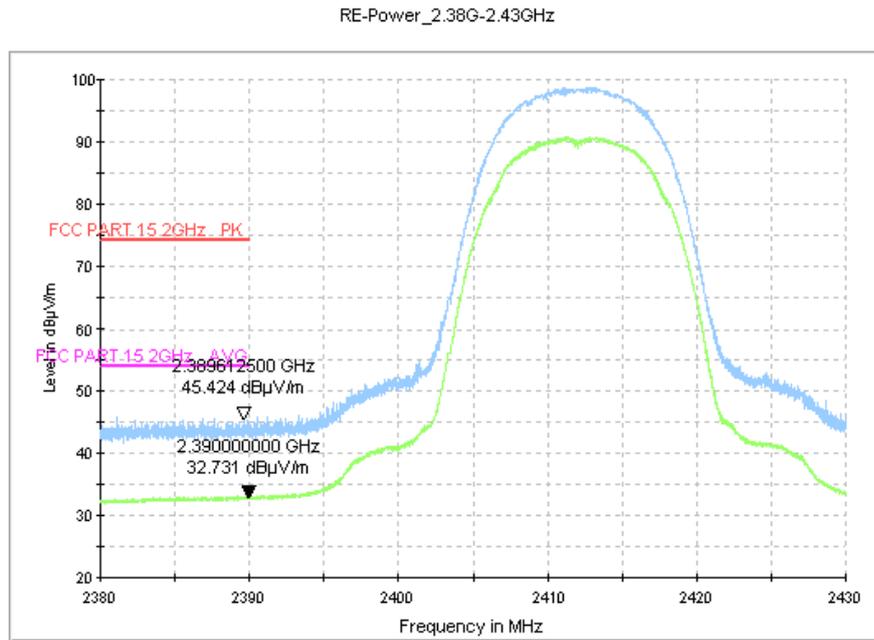


Fig.A.6.2.1 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz – 2.45GHz

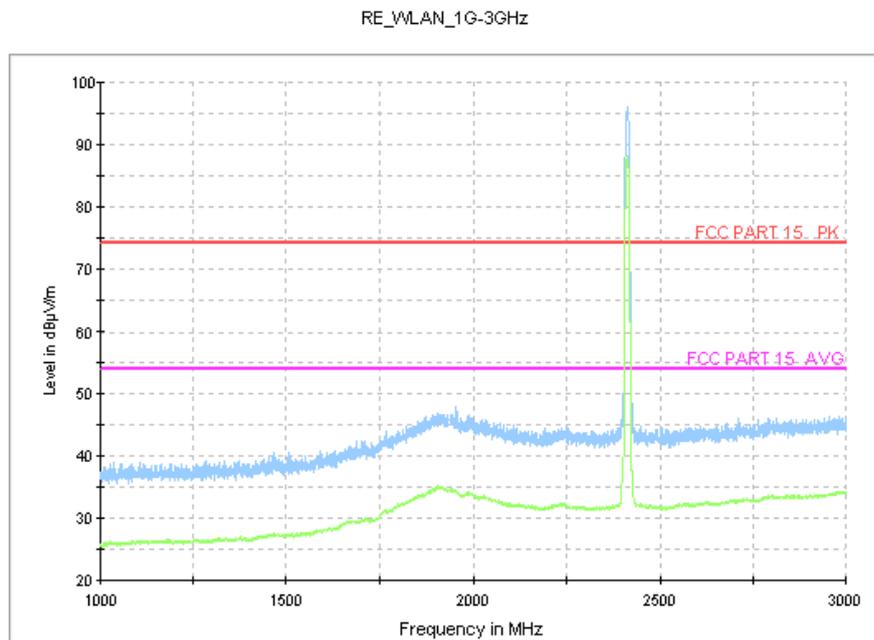


Fig.A.6.2.2 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)

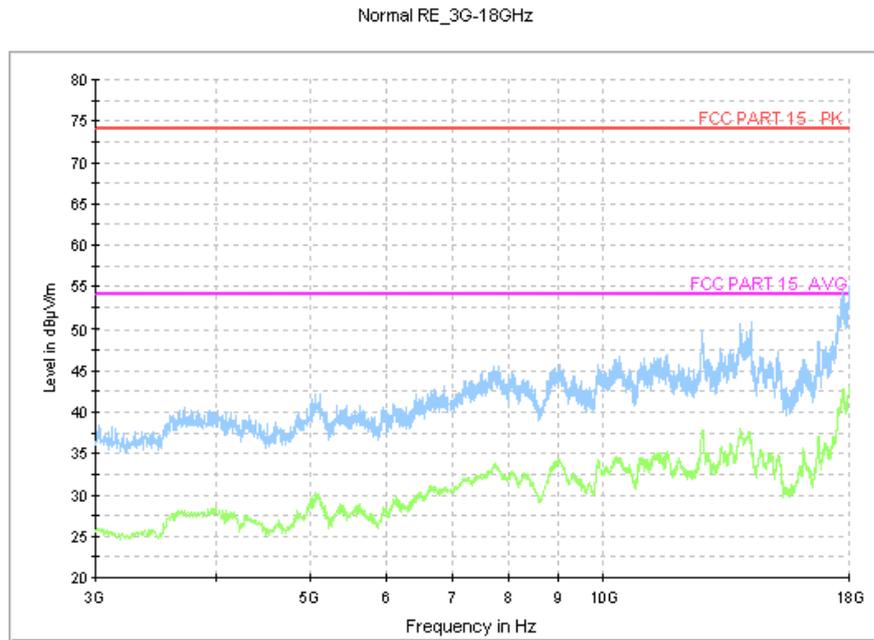


Fig.A.6.2.3 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

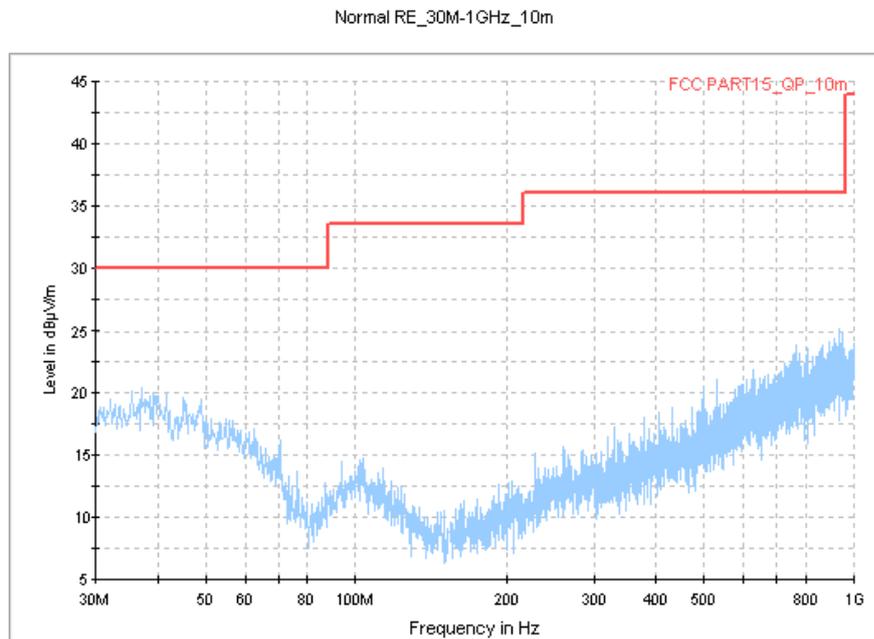


Fig.A.6.2.4 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

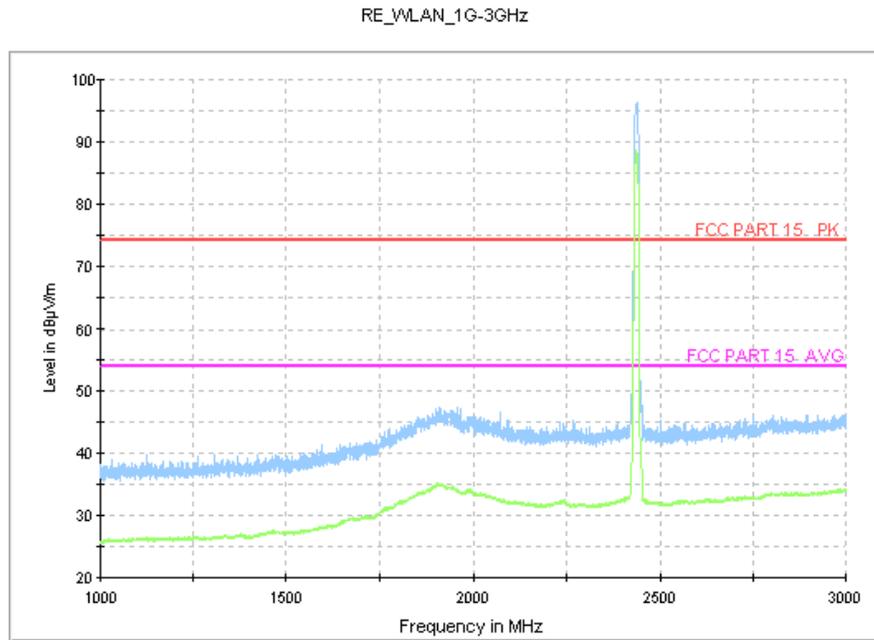


Fig.A.6.2.5 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)

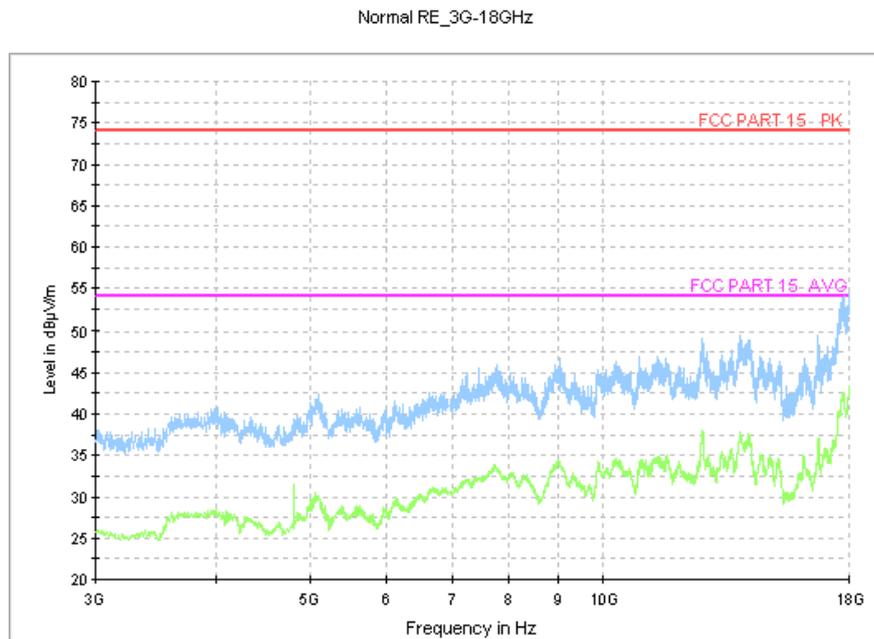


Fig.A.6.2.6 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

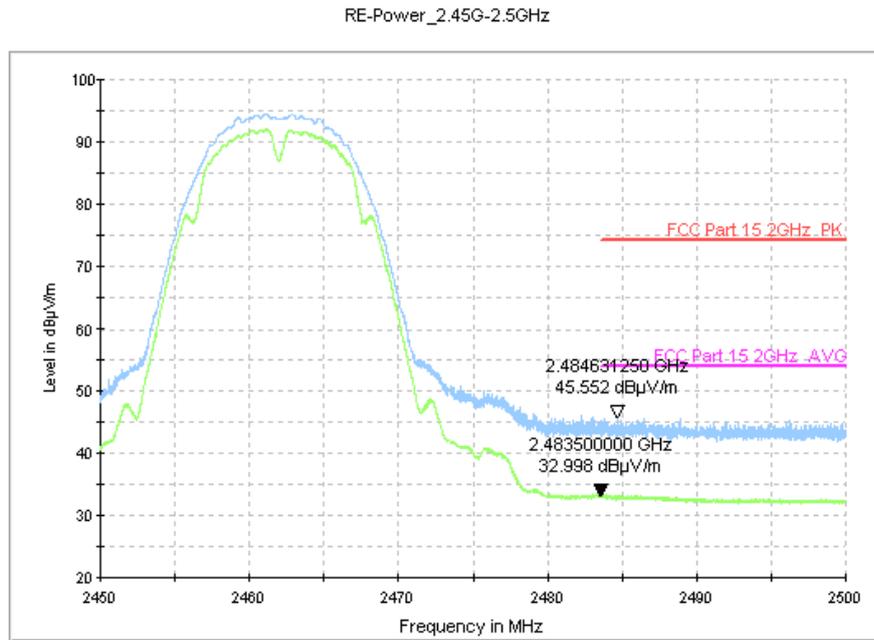


Fig.A.6.2.7 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

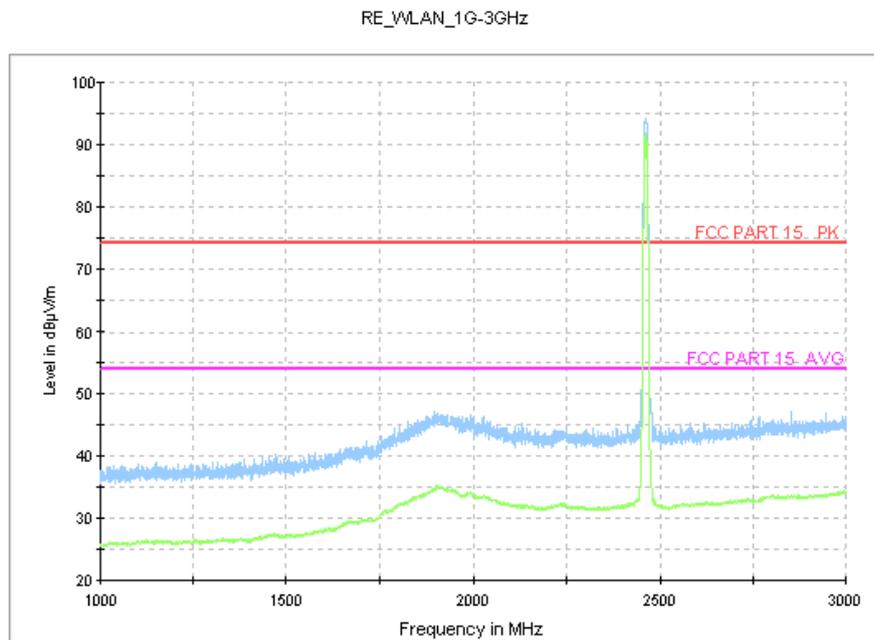


Fig.A.6.2.8 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)

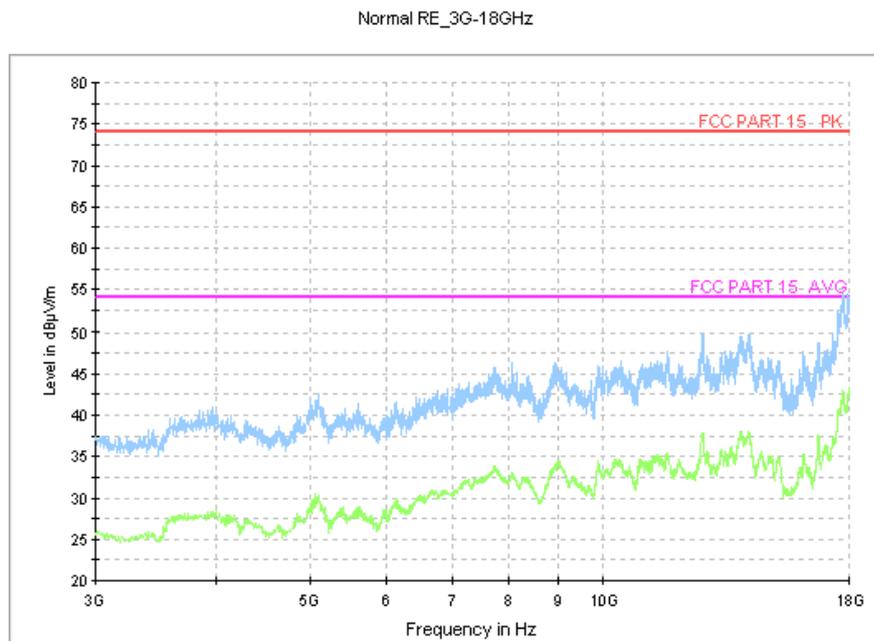


Fig.A.6.2.9 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

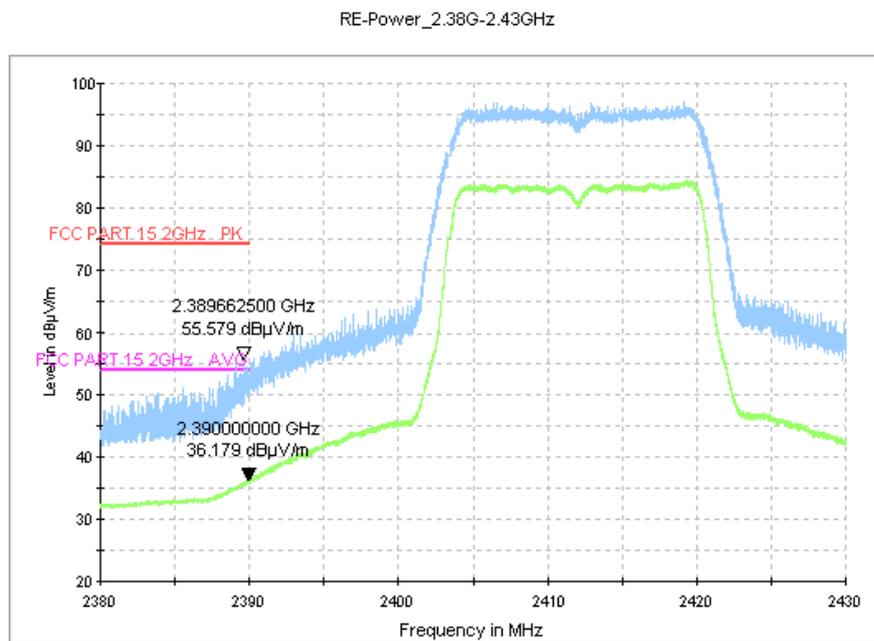


Fig.A.6.2.10 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz

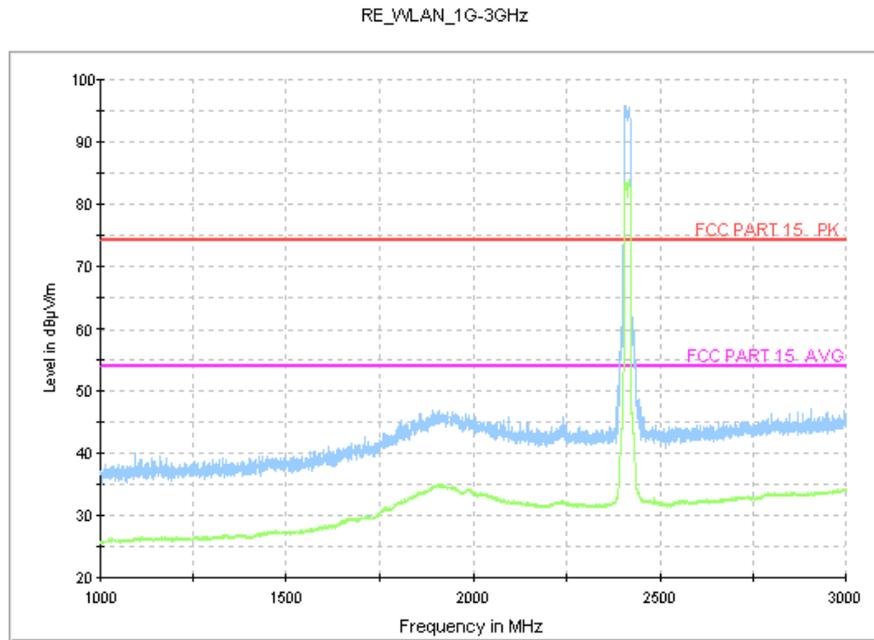


Fig.A.6.2.11 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)

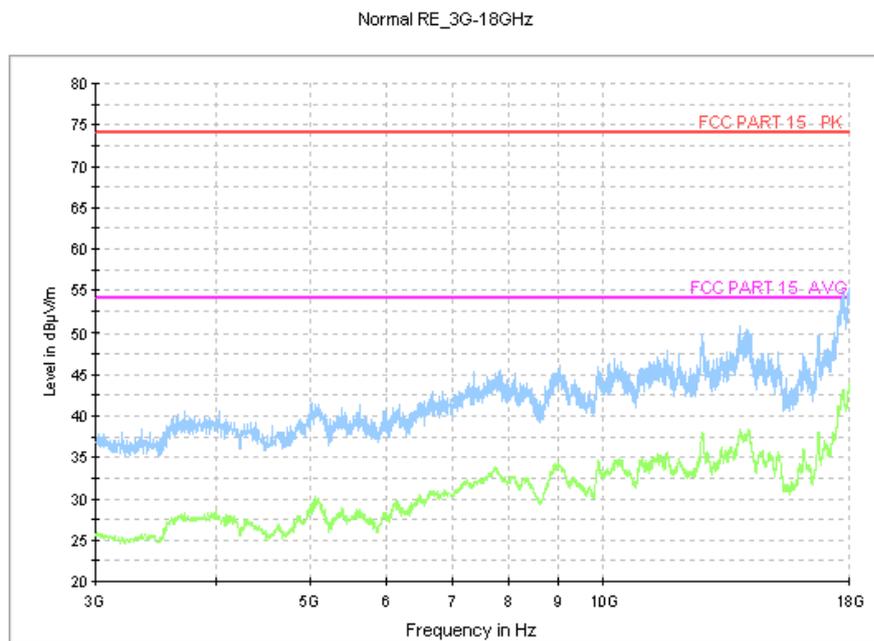


Fig.A.6.2.12 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

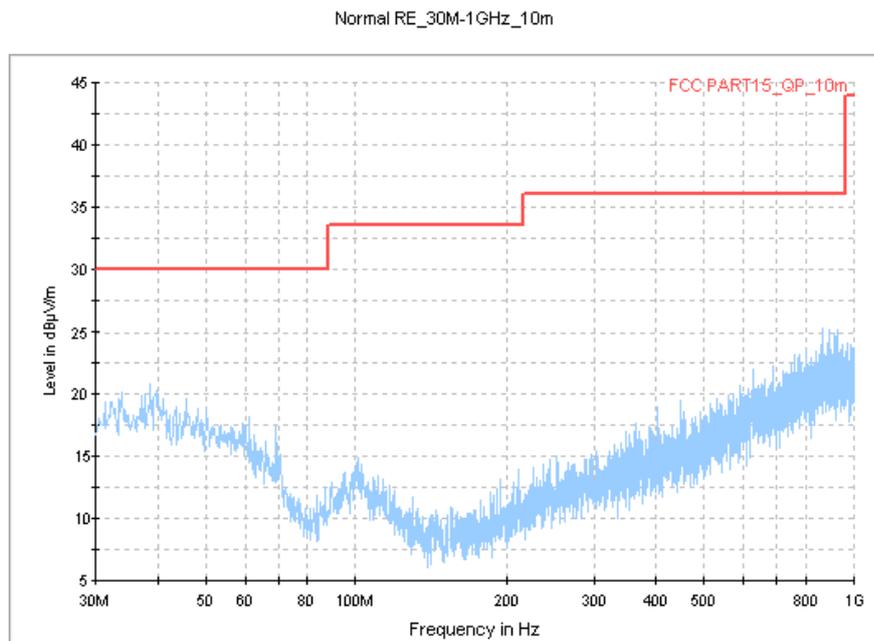


Fig.A.6.2.13 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)

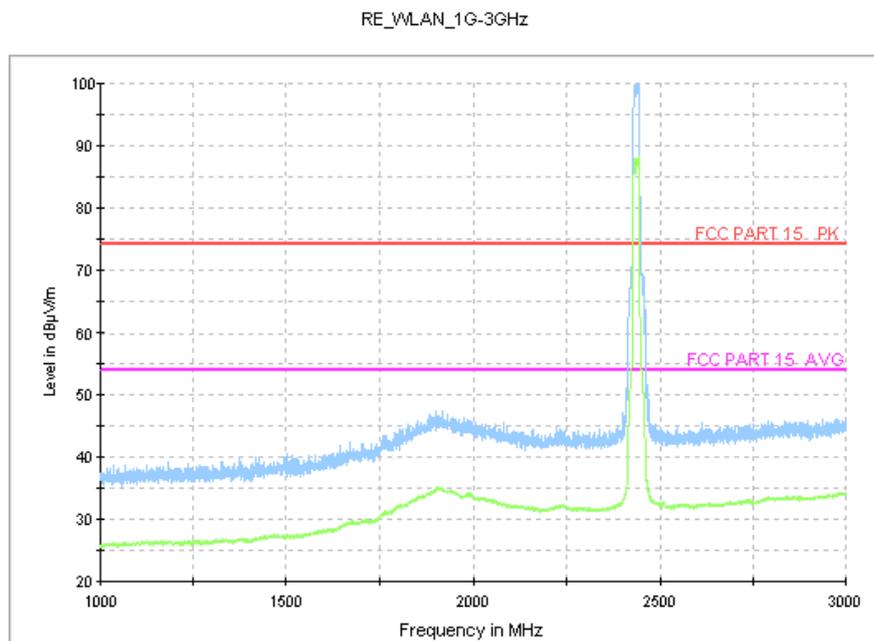


Fig.A.6.2.14 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

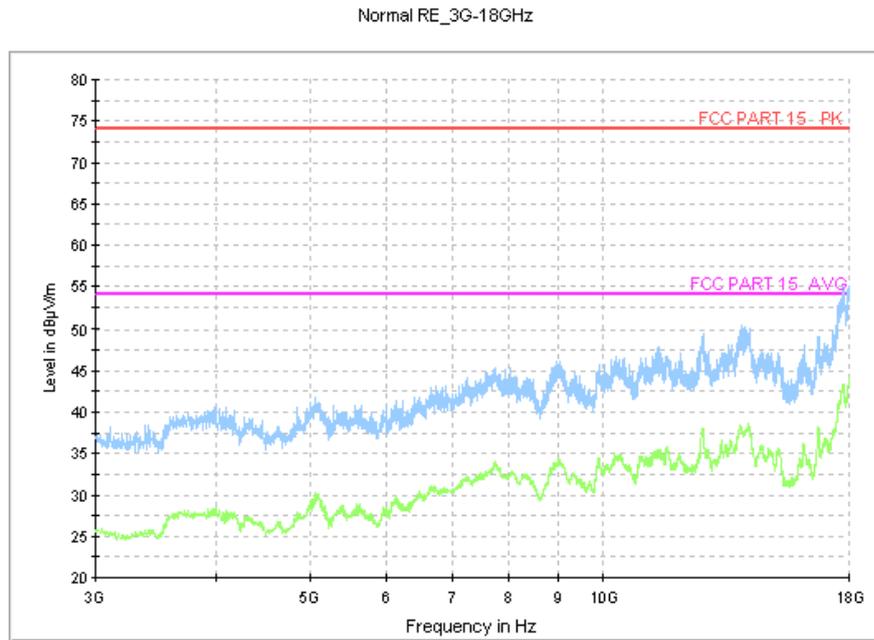


Fig.A.6.2.15 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

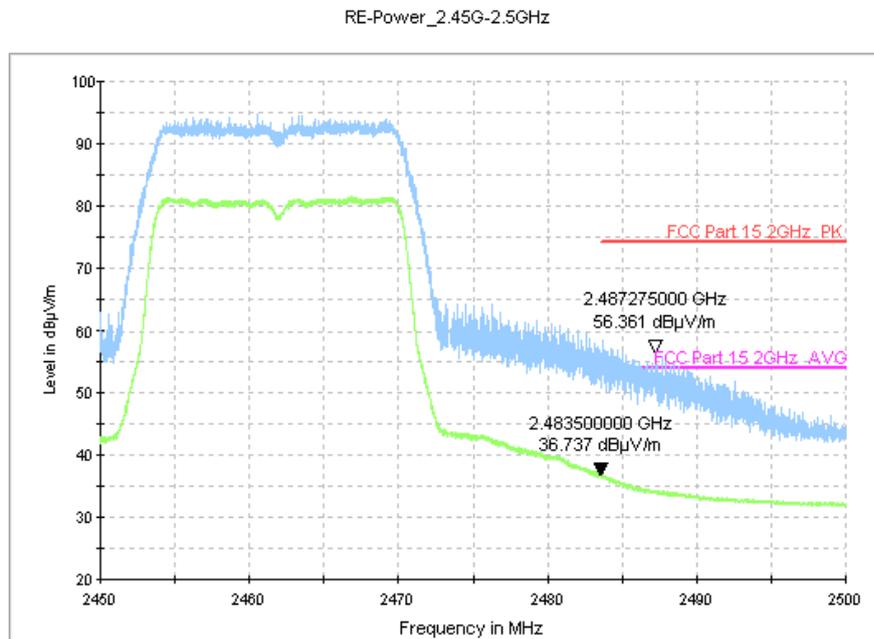


Fig.A.6.2.16 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

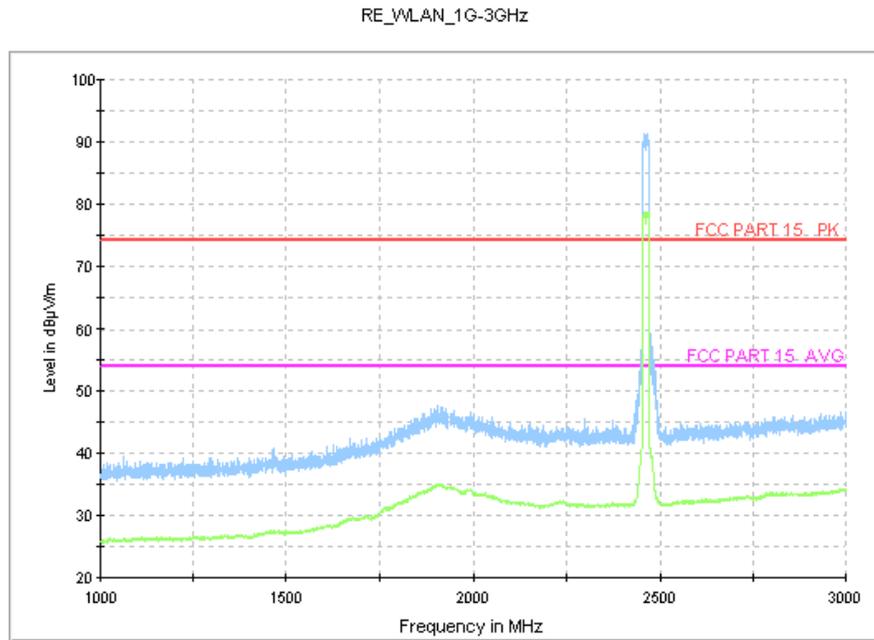


Fig.A.6.2.17 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

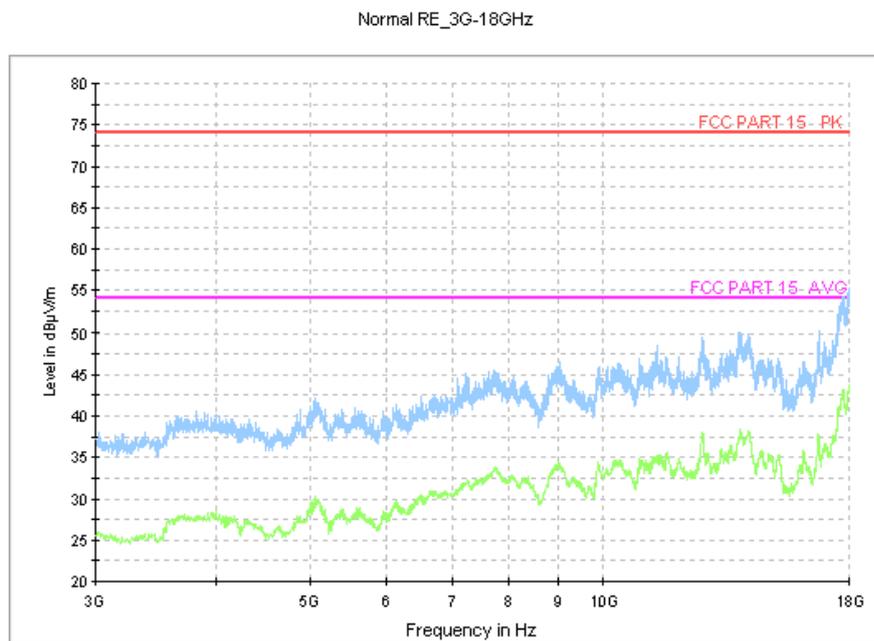


Fig.A.6.2.18 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

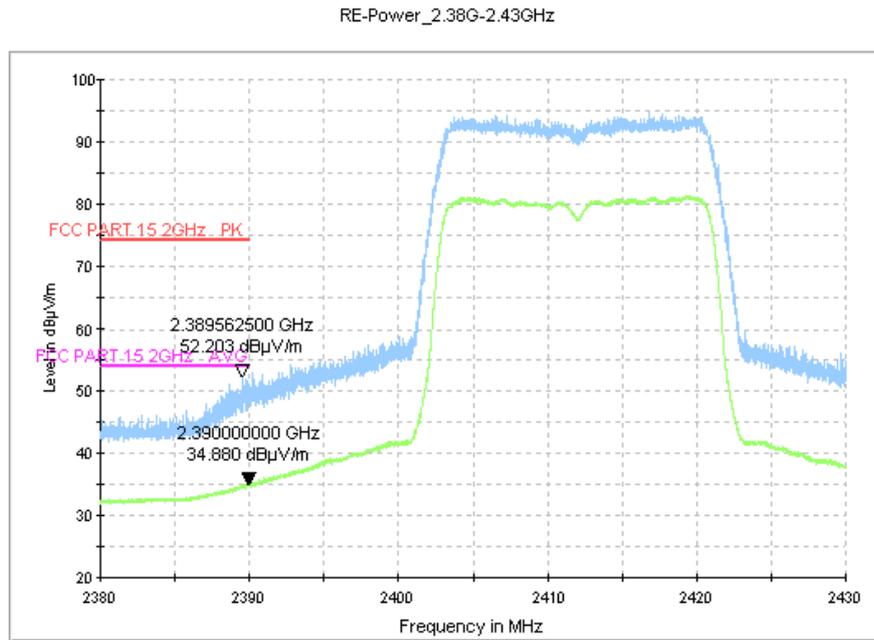


Fig.A.6.2.19 Radiated Spurious Emission (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

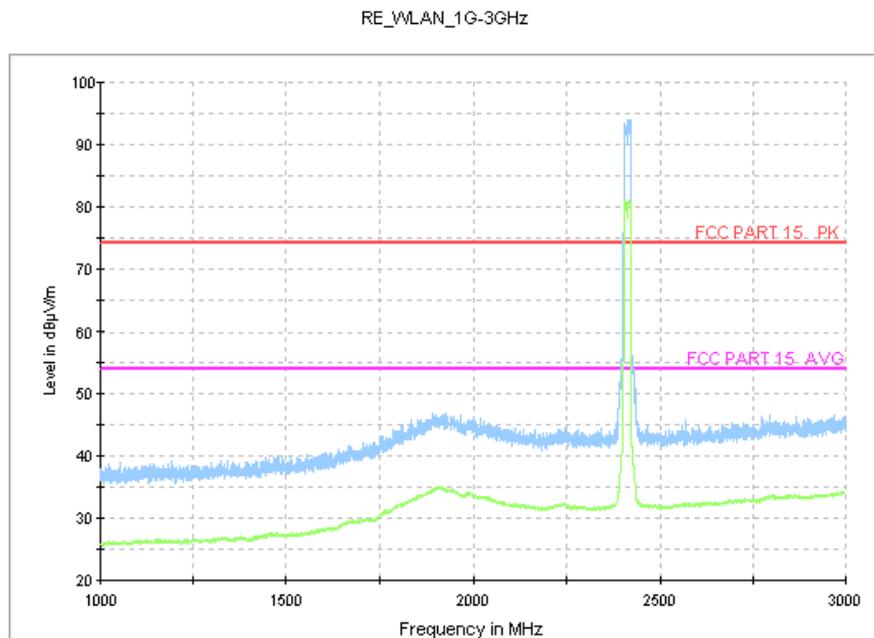


Fig.A.6.2.20 Radiated Spurious Emission (802.11n-HT20, Ch1, 1 GHz-3 GHz)

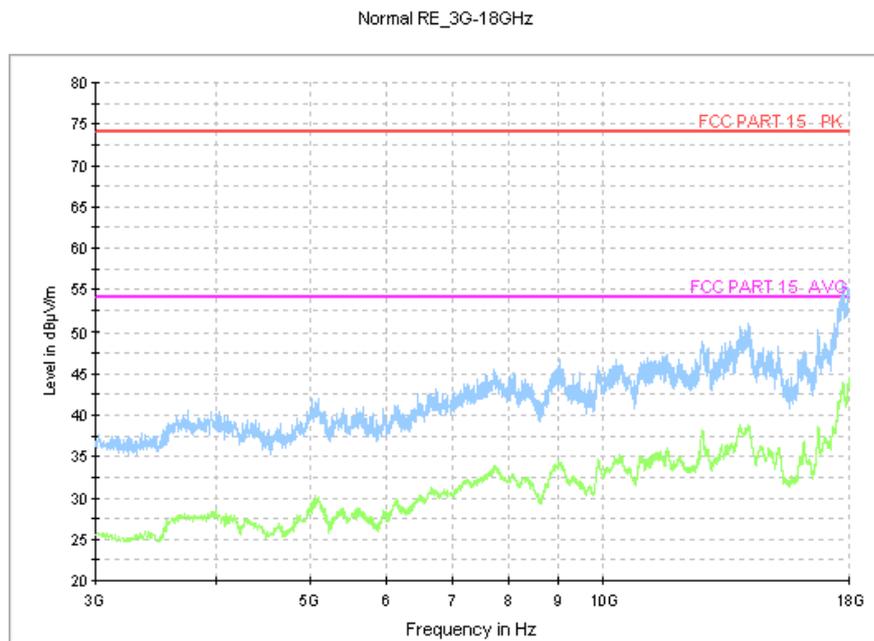


Fig.A.6.2.21 Radiated Spurious Emission (802.11n-HT20, Ch1, 3 GHz-18 GHz)

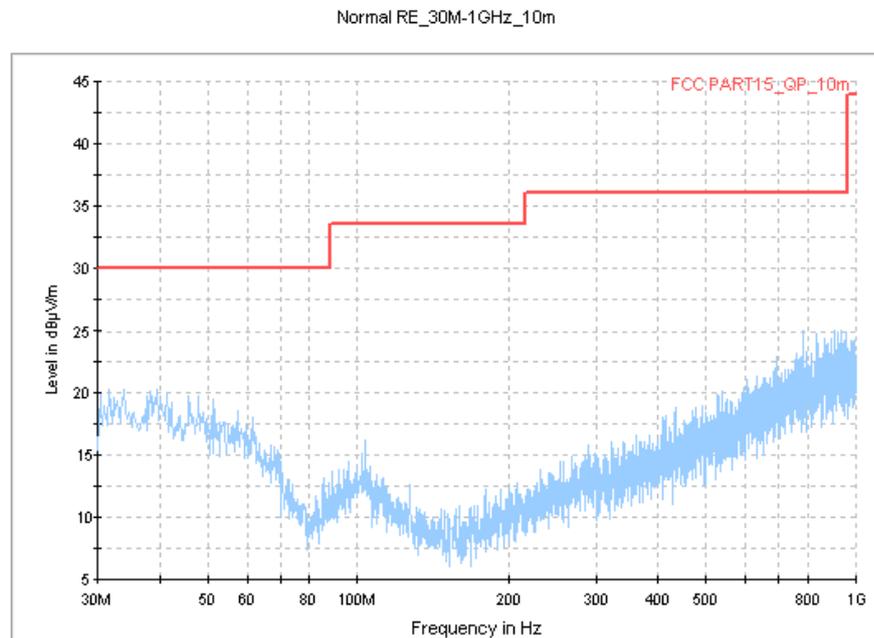


Fig.A.6.2.22 Radiated Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)

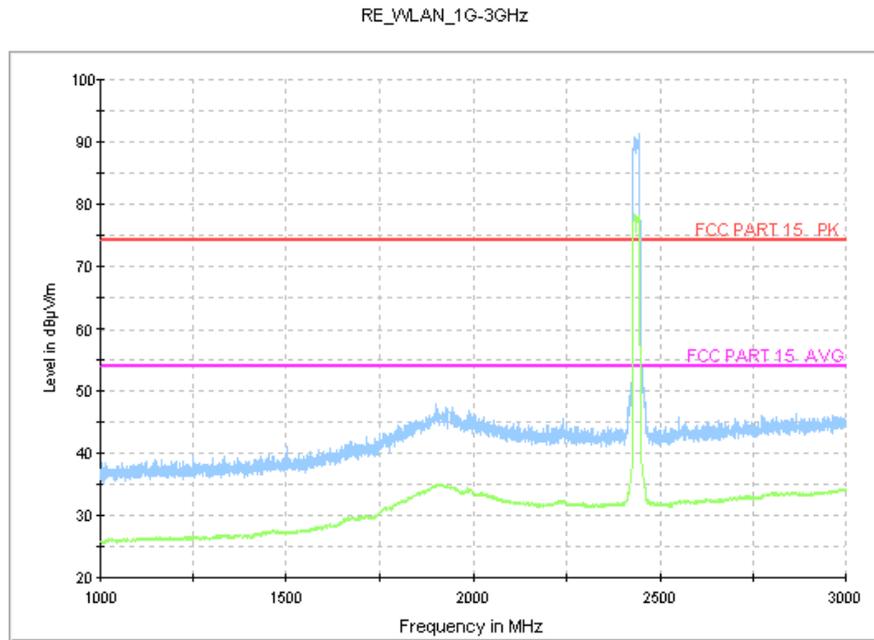


Fig.A.6.2.23 Radiated Spurious Emission (802.11n-HT20, Ch6, 1 GHz-3 GHz)

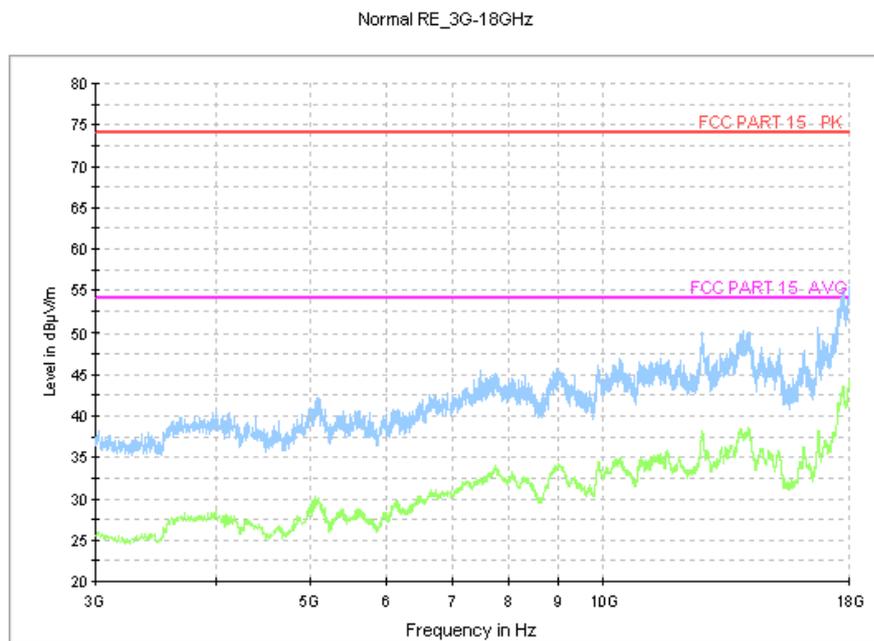


Fig.A.6.2.24 Radiated Spurious Emission (802.11n-HT20, Ch6, 3 GHz-18 GHz)

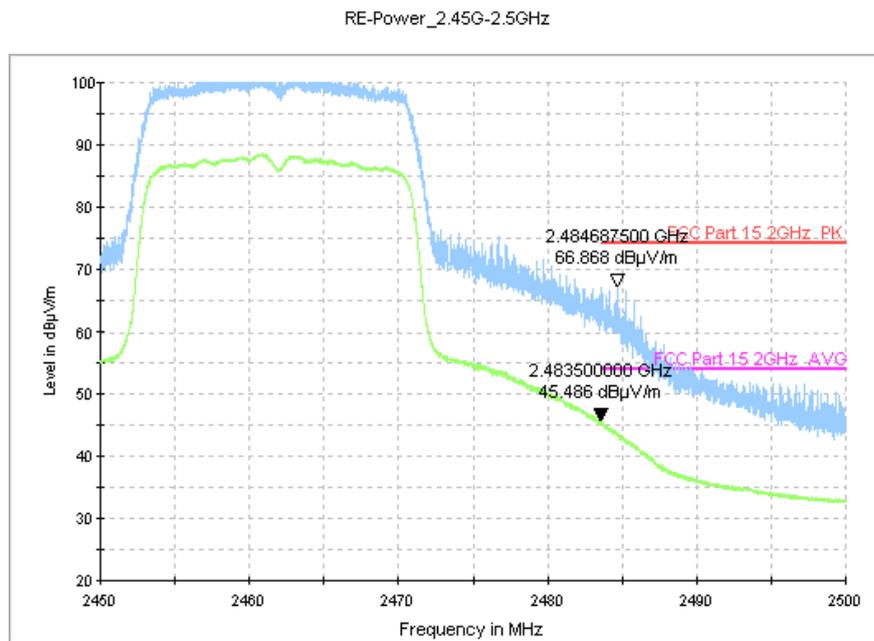


Fig.A.6.2.25 Radiated Spurious Emission (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

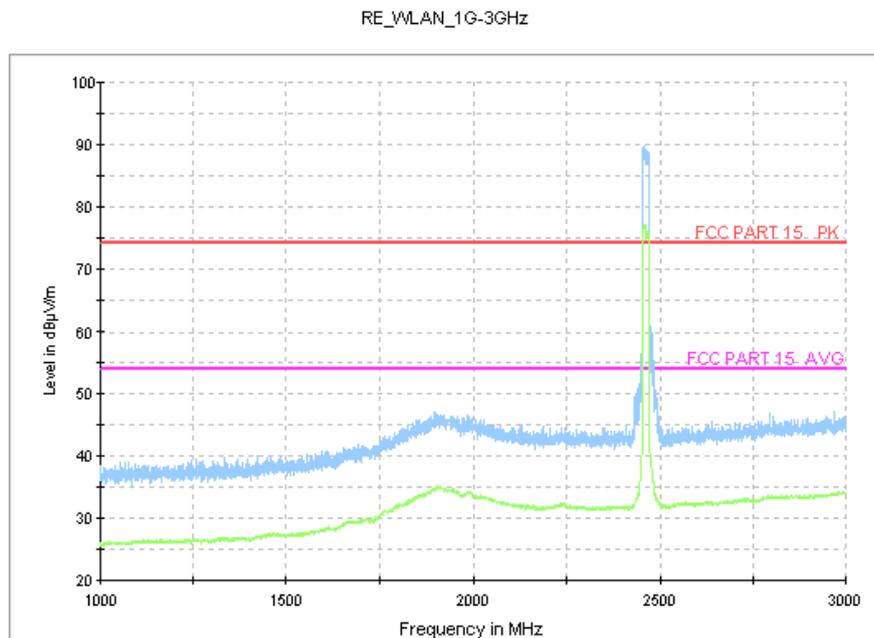


Fig.A.6.2.26 Radiated Spurious Emission (802.11n-HT20, Ch11, 1 GHz-3 GHz)

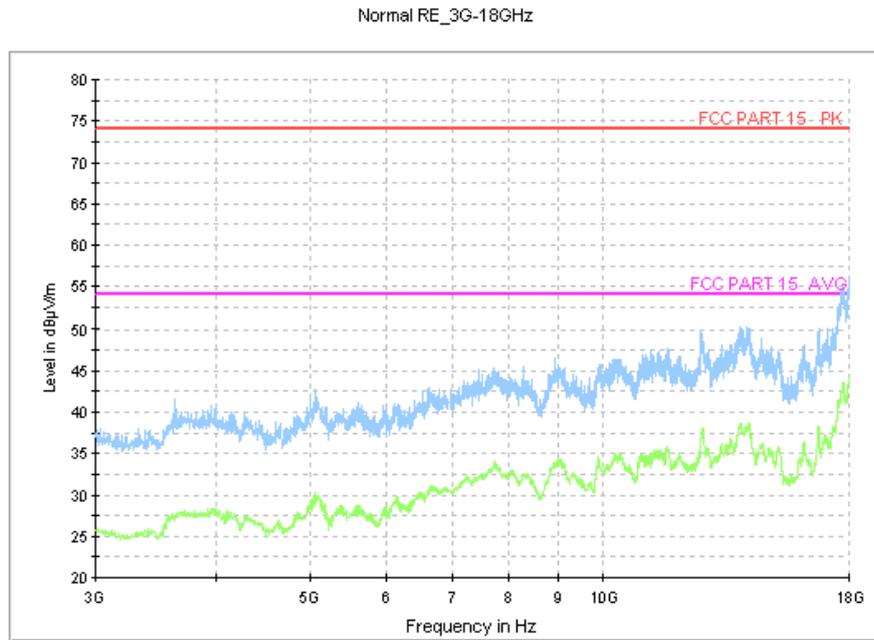


Fig.A.6.2.27 Radiated Spurious Emission (802.11n-HT20, Ch11, 3 GHz-18 GHz)

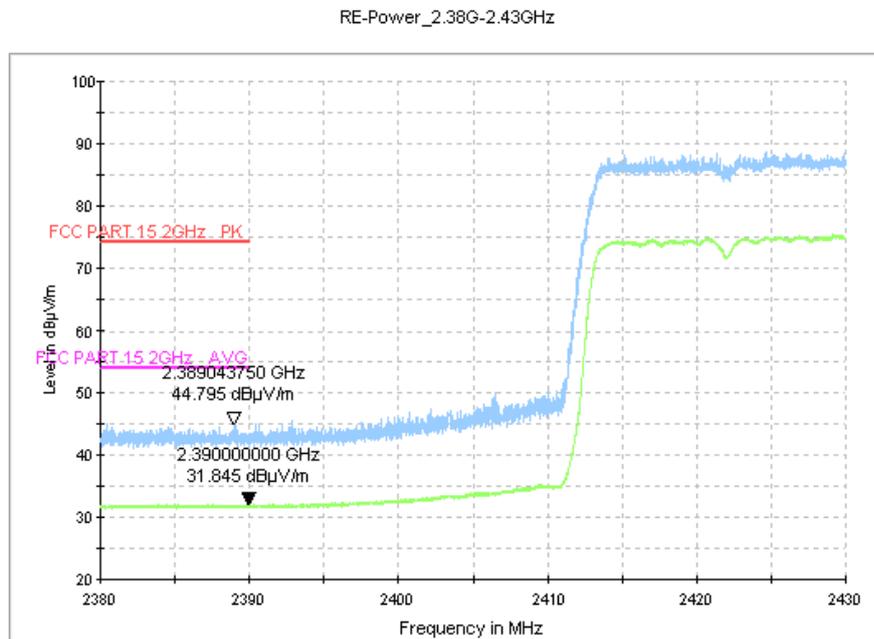


Fig.A.6.2.28 Radiated Spurious Emission (Power): 802.11n-HT40, ch3, 2.38 GHz - 2.45GHz

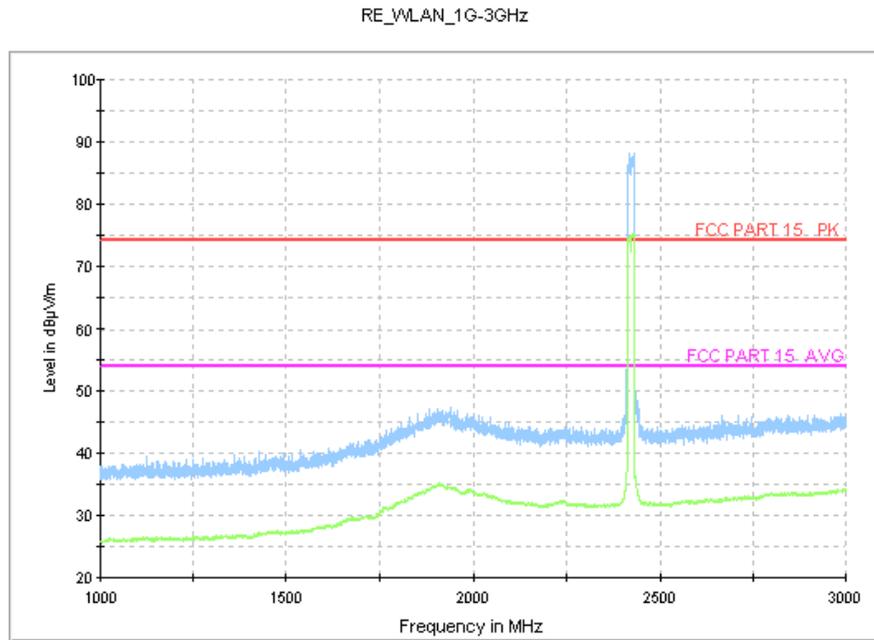


Fig.A.6.2.29 Radiated Spurious Emission (802.11n-HT40, ch3, 1 GHz-3 GHz)

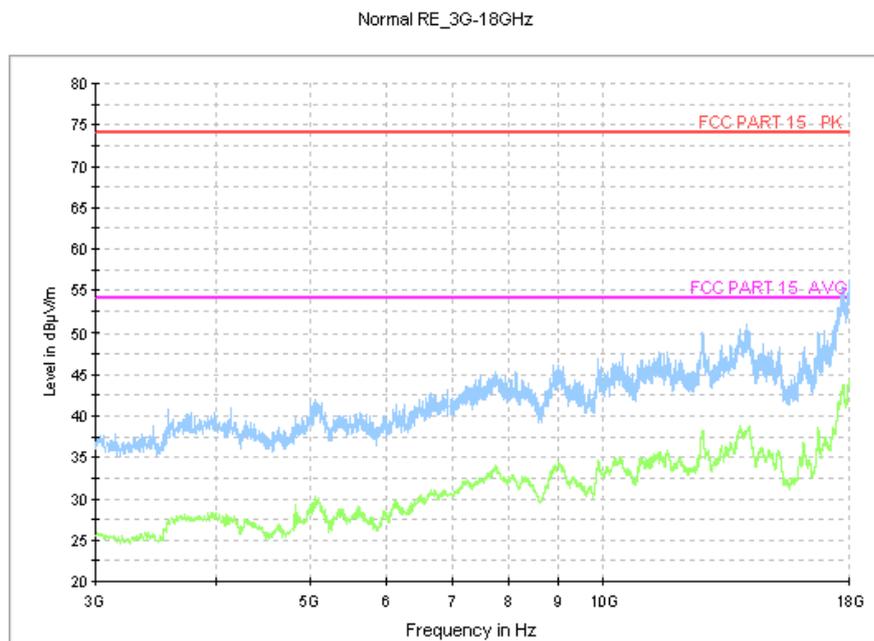


Fig.A.6.2.30 Radiated Spurious Emission (802.11n-HT40, ch3, 3 GHz-18 GHz)

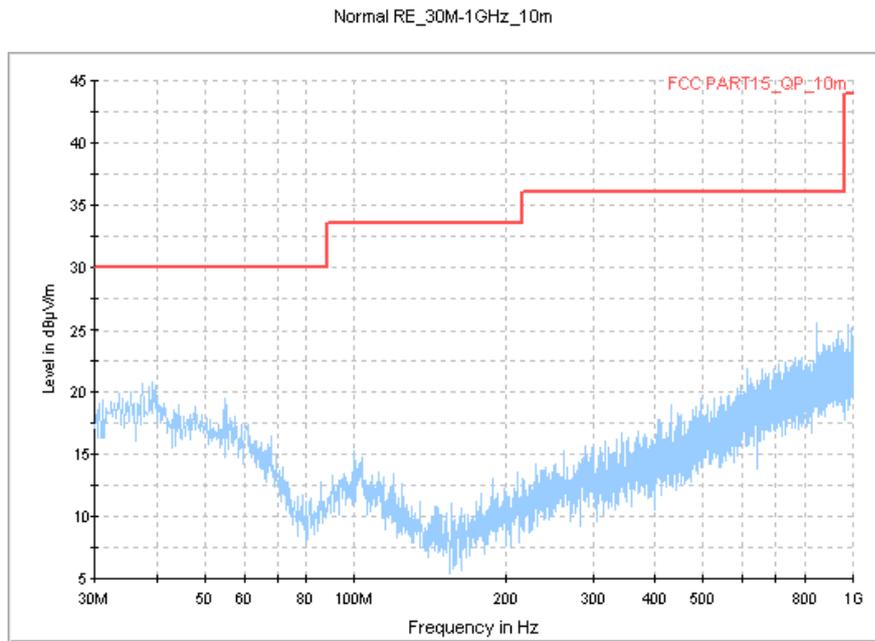


Fig.A.6.2.31 Radiated Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)

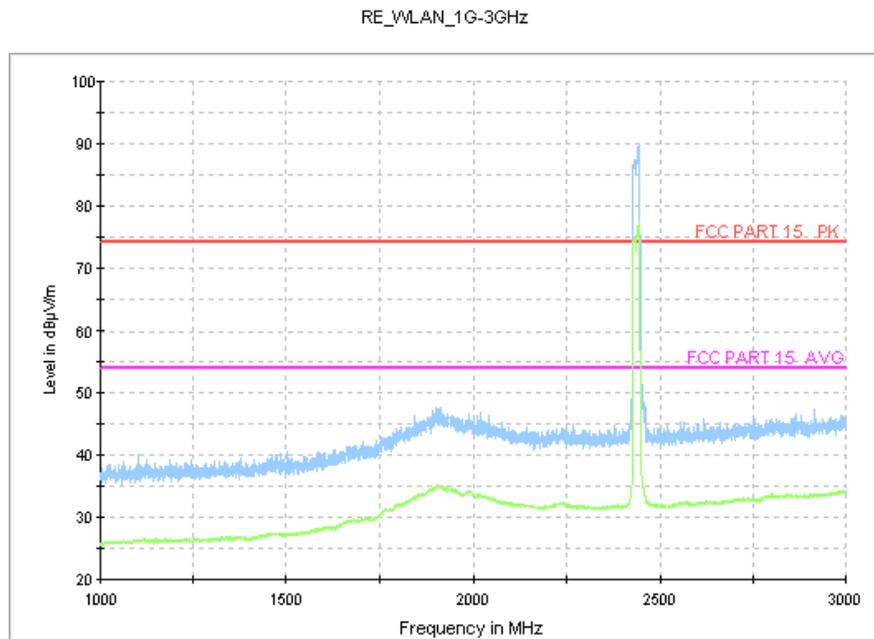


Fig.A.6.2.32 Radiated Spurious Emission (802.11n-HT40, Ch6, 1 GHz-3 GHz)

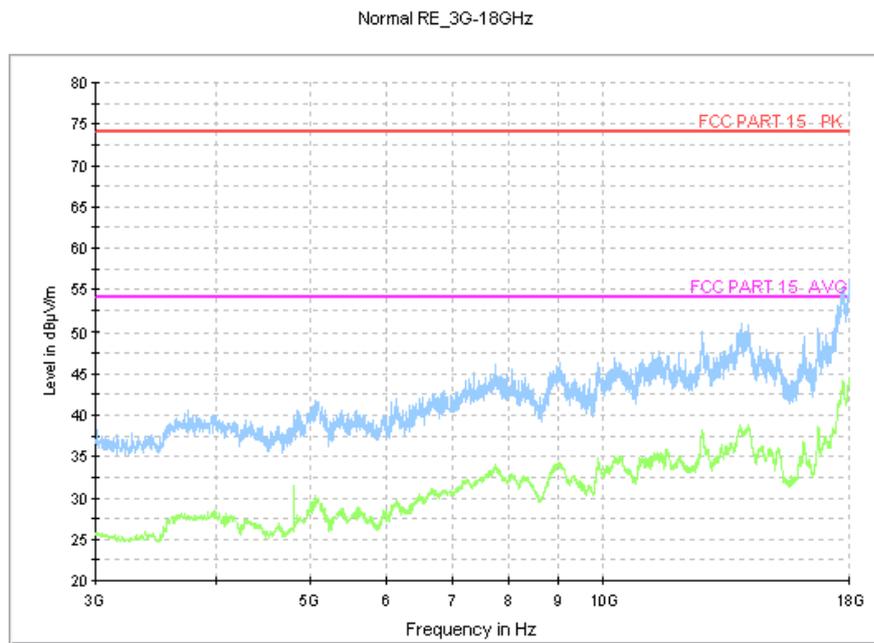


Fig.A.6.2.33 Radiated Spurious Emission (802.11n-HT40, Ch6, 3 GHz-18 GHz)

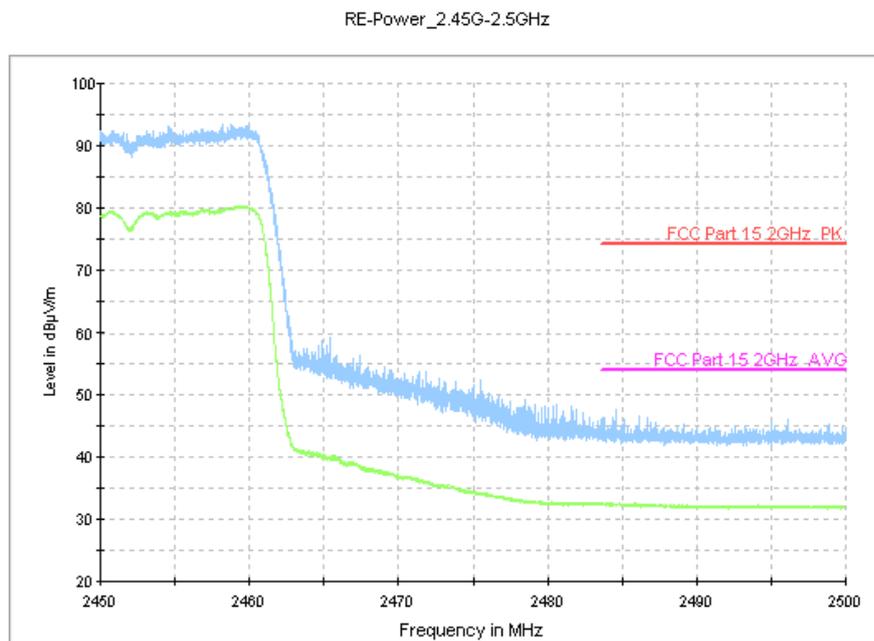


Fig.A.6.2.34 Radiated Spurious Emission (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz

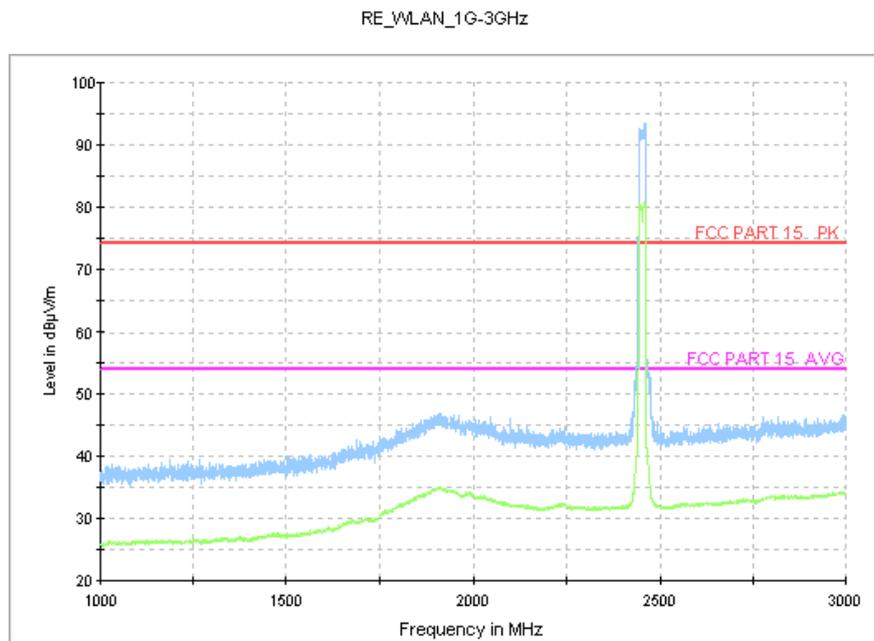


Fig.A.6.2.35 Radiated Spurious Emission (802.11n-HT40, ch9, 1 GHz-3 GHz)

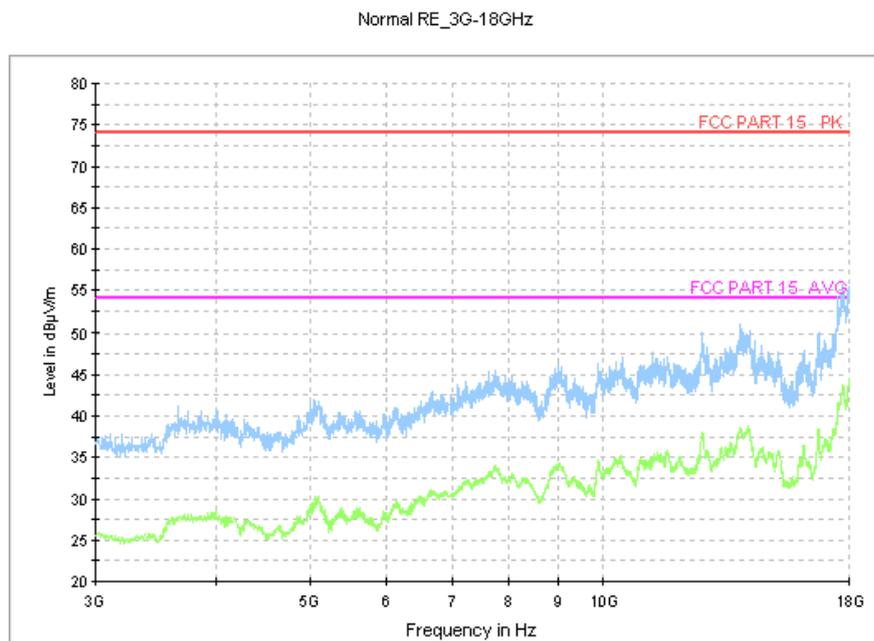


Fig.A.6.2.36 Radiated Spurious Emission (802.11n-HT40, ch9, 3 GHz-18 GHz)