

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
2483.768	57.4	-38.9	27.7	68.600	H
17709.000	55.9	-18.9	45.6	29.200	V
17721.000	55.5	-18.9	45.6	28.800	V
17911.500	55.2	-18.5	45.6	28.100	V
17727.000	55.2	-18.9	45.6	28.500	V
17670.000	55.1	-18.9	45.6	28.400	V

Test graphs as below:

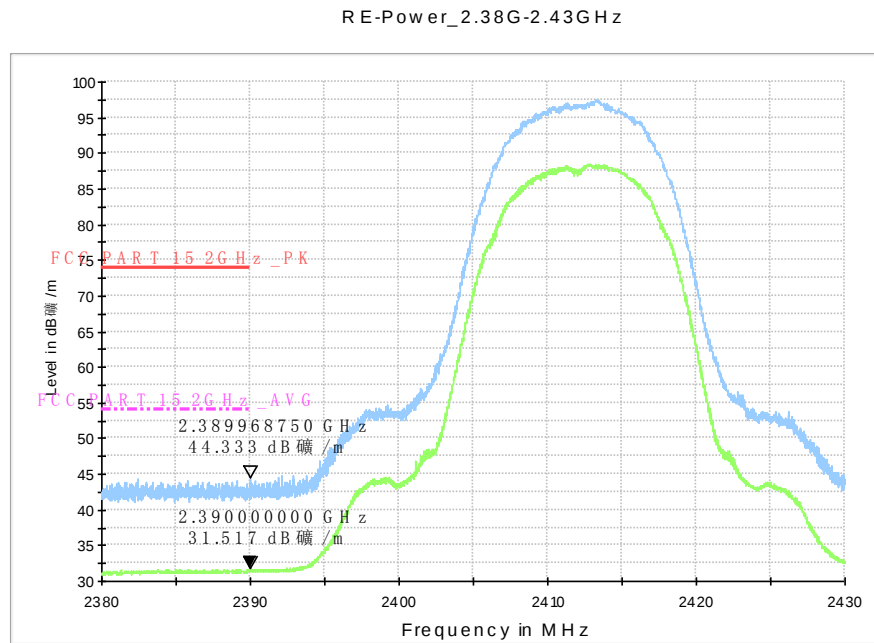


Fig.A.6.2.1 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz – 2.45GHz

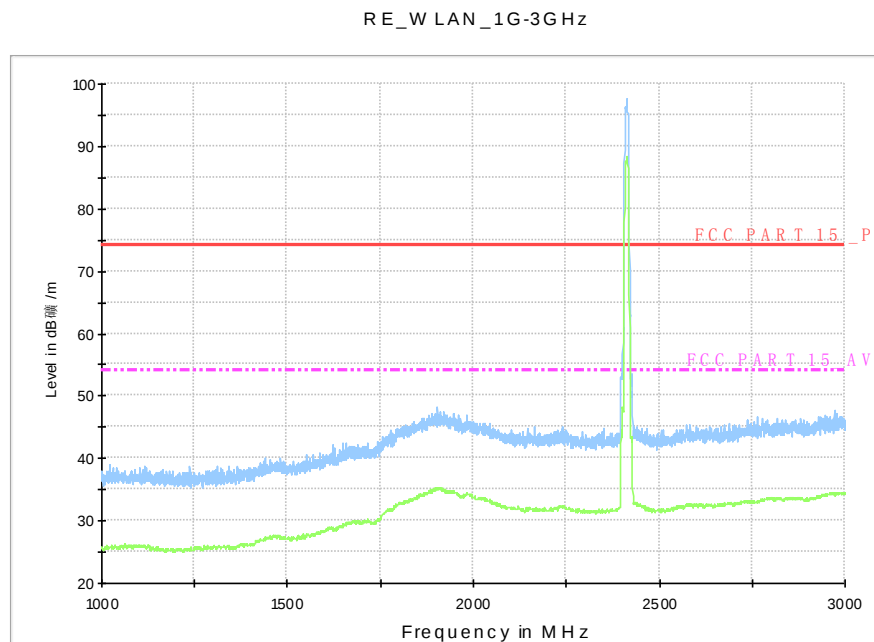


Fig.A.6.2.2 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)

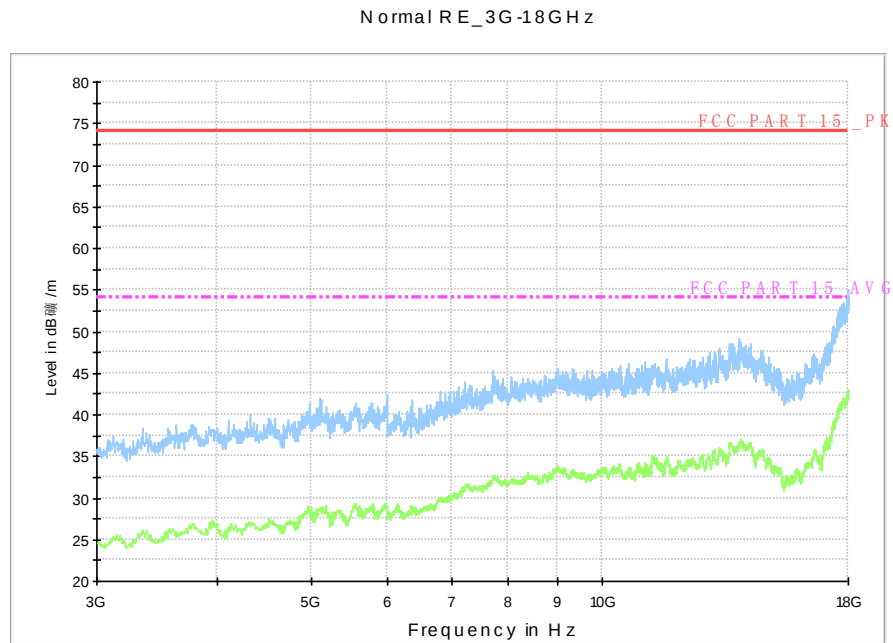


Fig.A.6.2.3 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

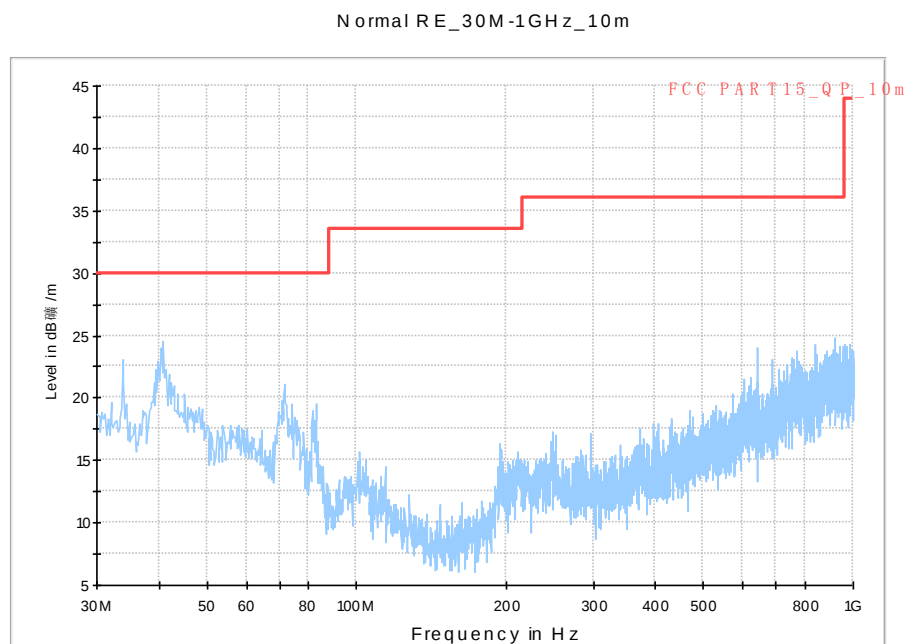


Fig.A.6.2.4 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

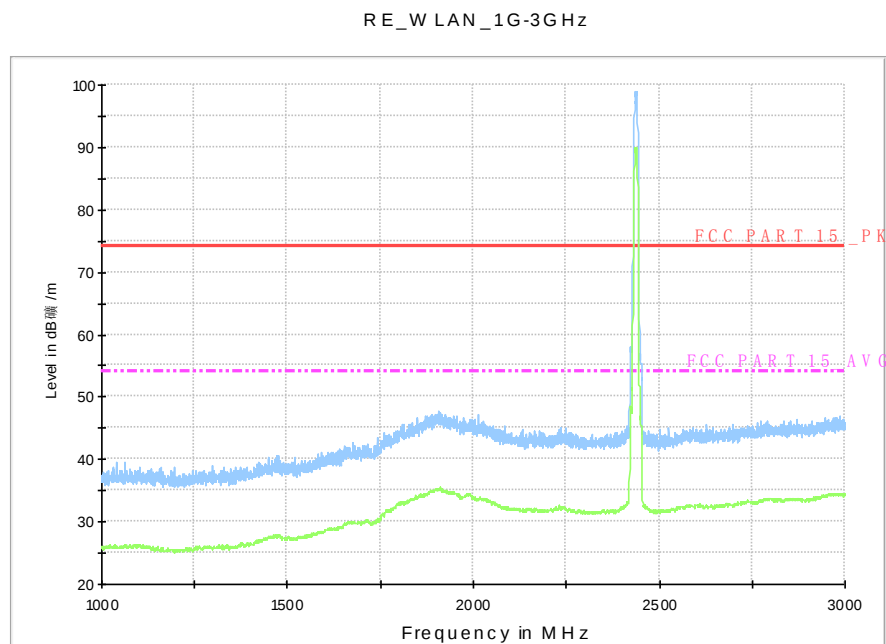


Fig.A.6.2.5 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)

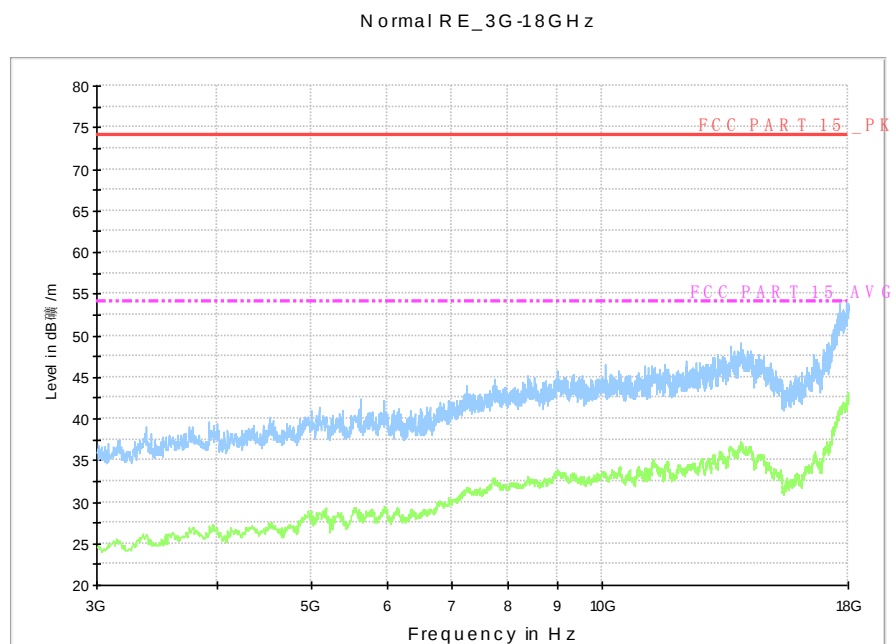


Fig.A.6.2.6 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

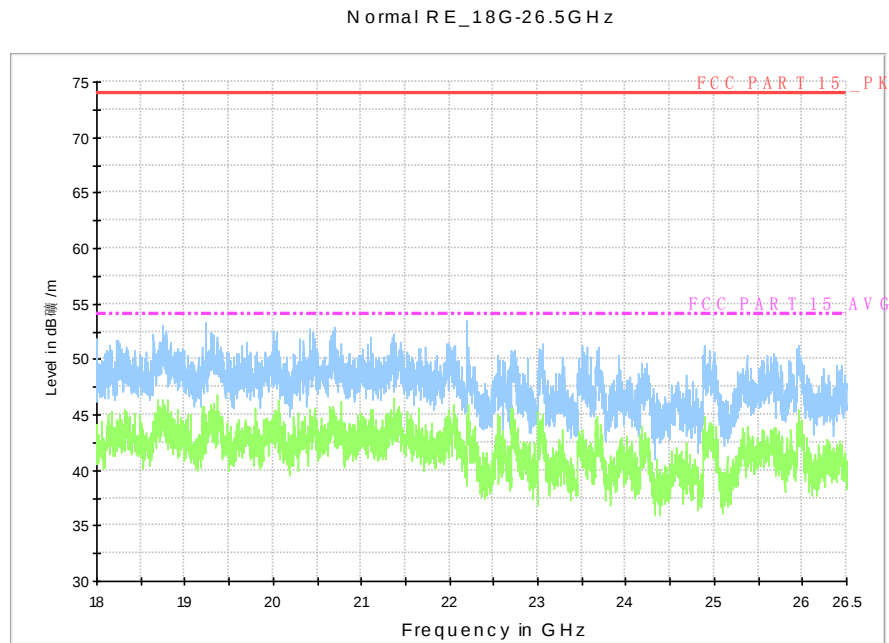


Fig.A.6.2.7 Radiated Spurious Emission (802.11b, Ch6, 18GHz – 26.5GHz)

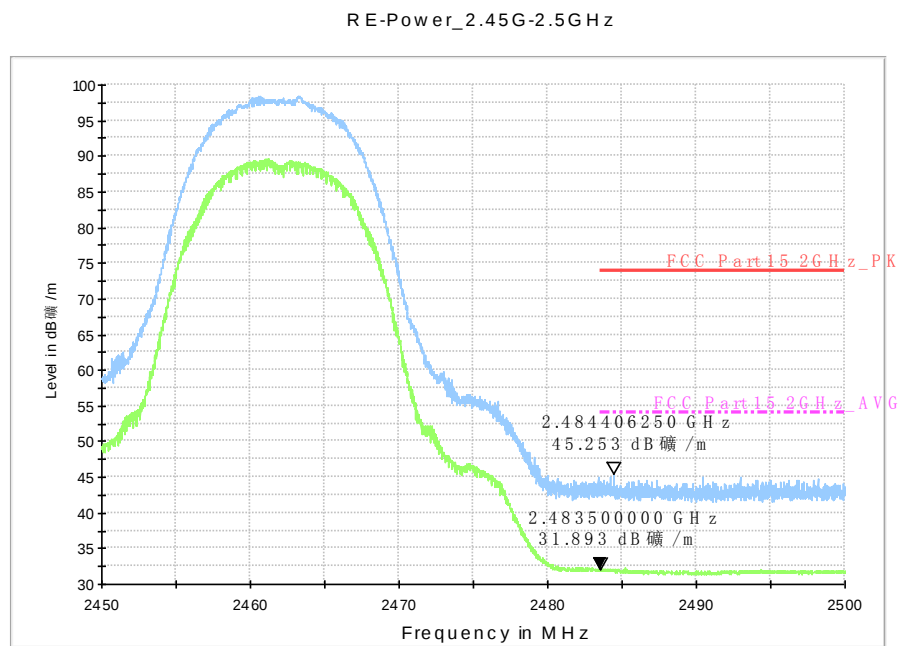


Fig.A.6.2.8 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

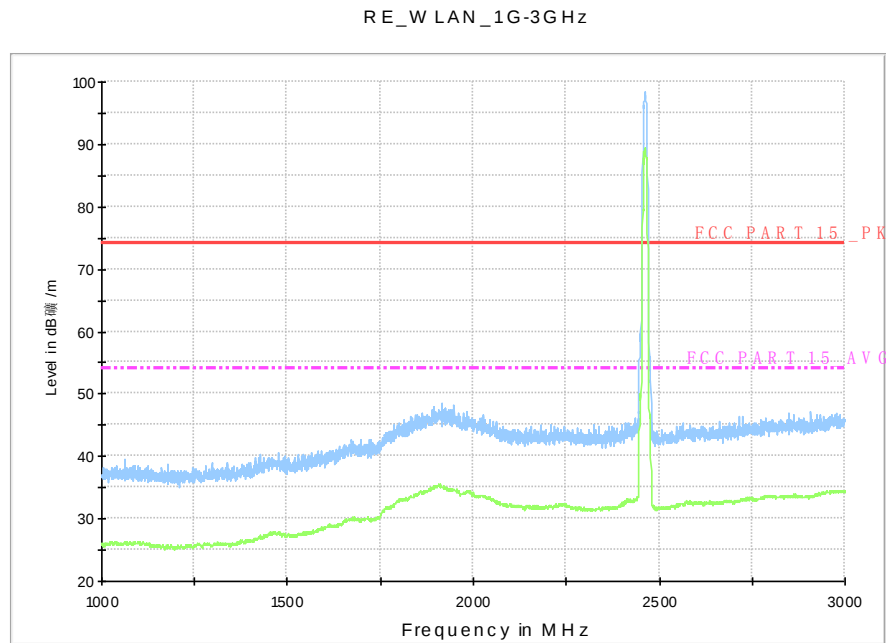


Fig.A.6.2.9 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)

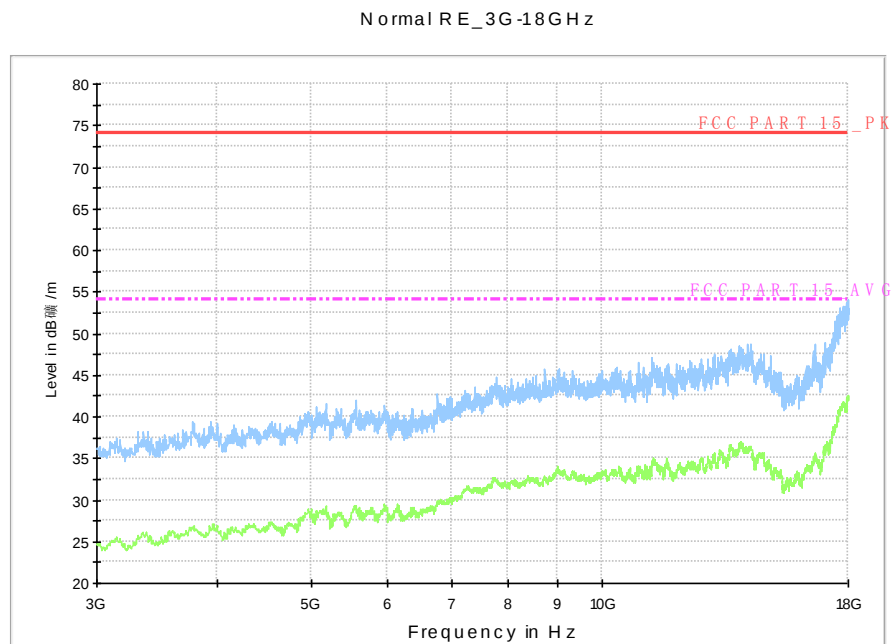


Fig.A.6.2.10 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

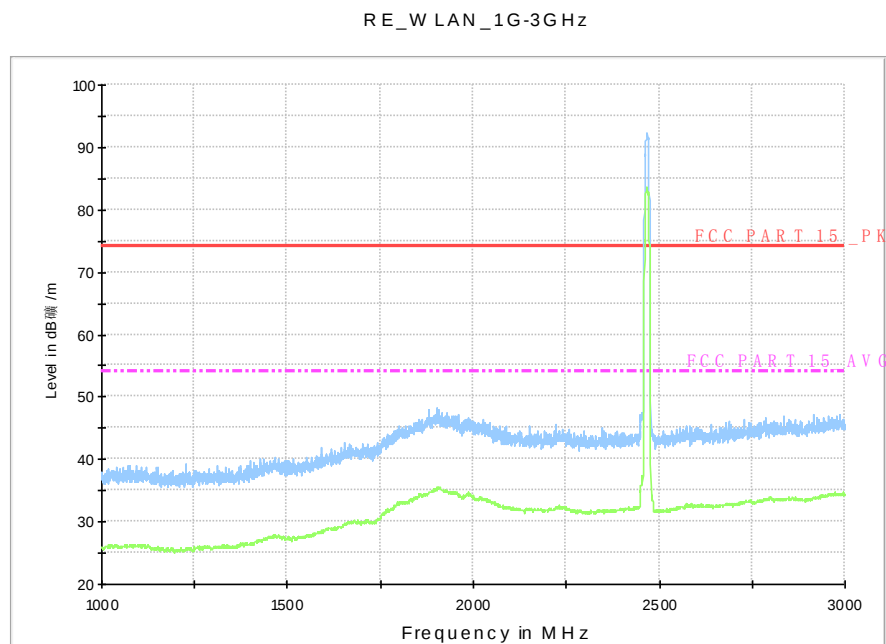


Fig.A.6.2.11 Radiated Spurious Emission (802.11b, Ch12, 1 GHz-3 GHz)

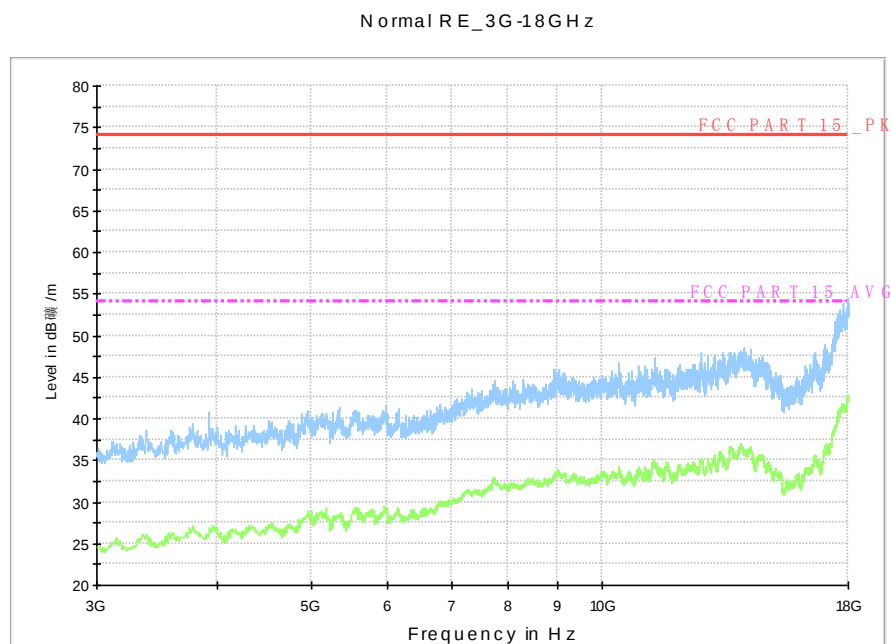


Fig.A.6.2.12 Radiated Spurious Emission (802.11b, Ch12, 3 GHz-18 GHz)

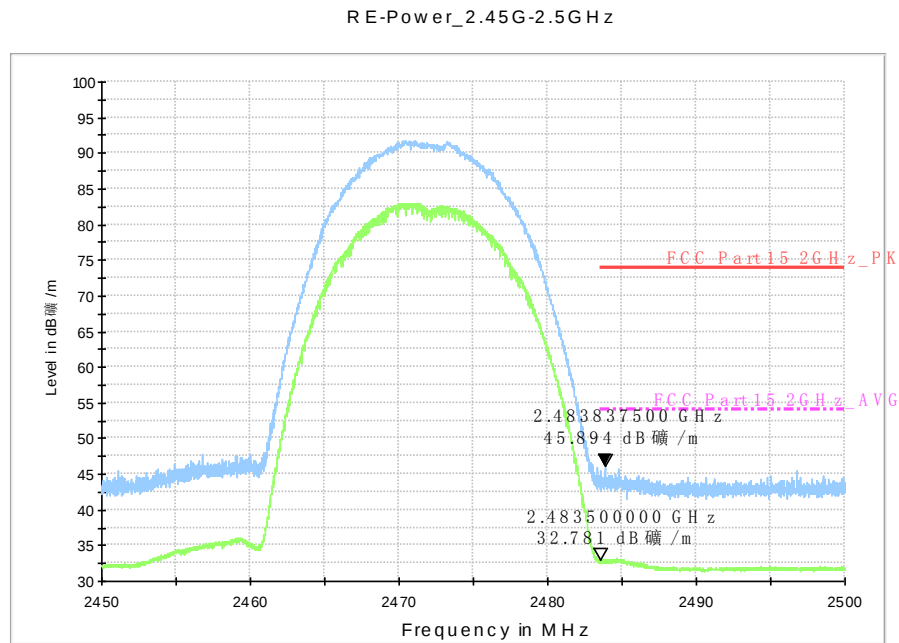


Fig.A.6.2.13 Radiated Spurious Emission (Power): 802.11b, ch13, 2.45 GHz - 2.50GHz

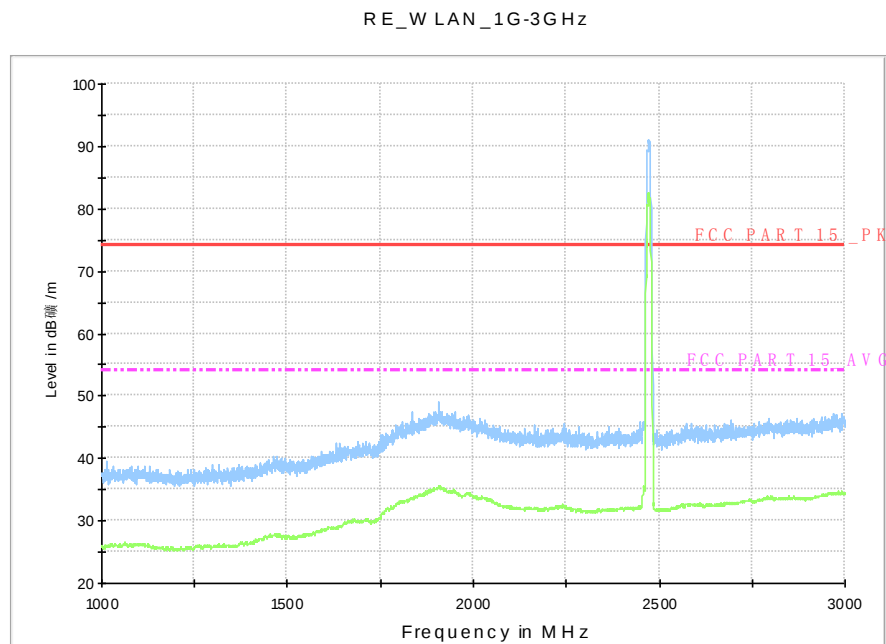


Fig.A.6.2.14 Radiated Spurious Emission (802.11b, Ch13, 1 GHz-3 GHz)

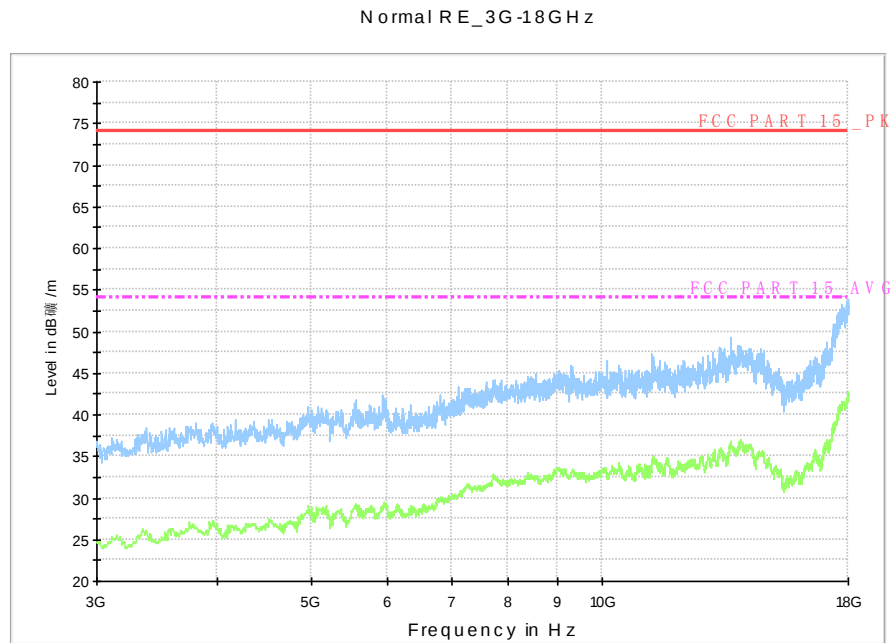


Fig.A.6.2.15 Radiated Spurious Emission (802.11b, Ch13, 3 GHz-18 GHz)

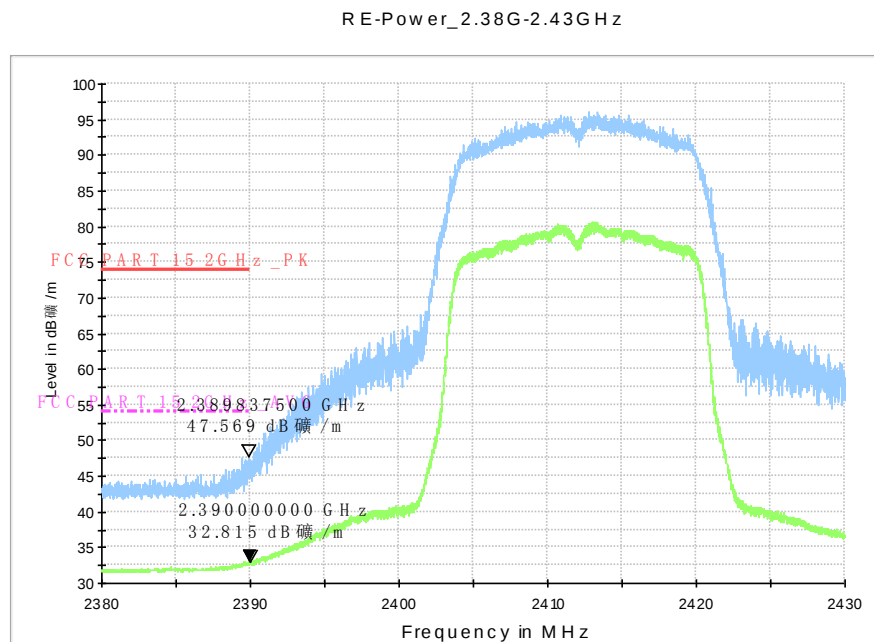


Fig.A.6.2.16 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz

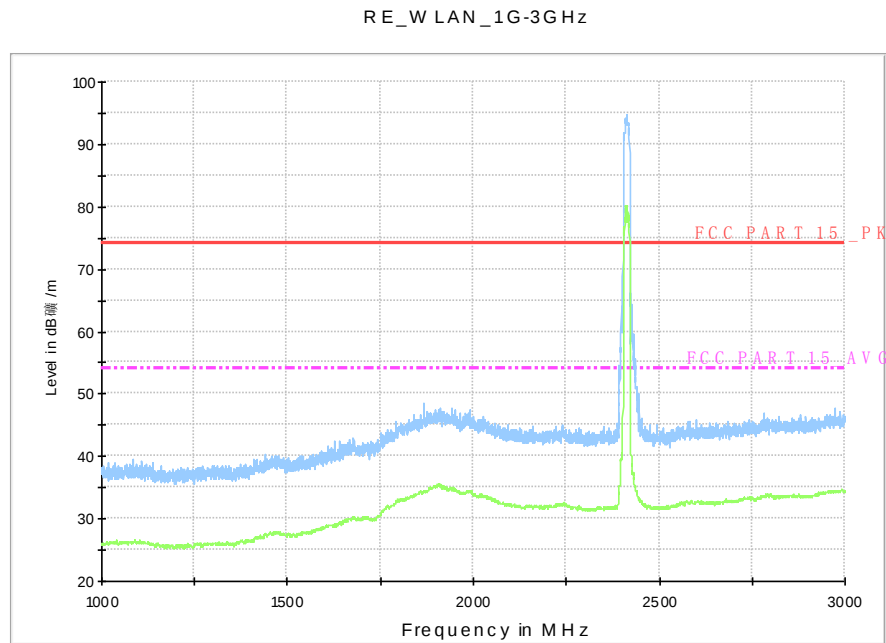


Fig.A.6.2.17 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)

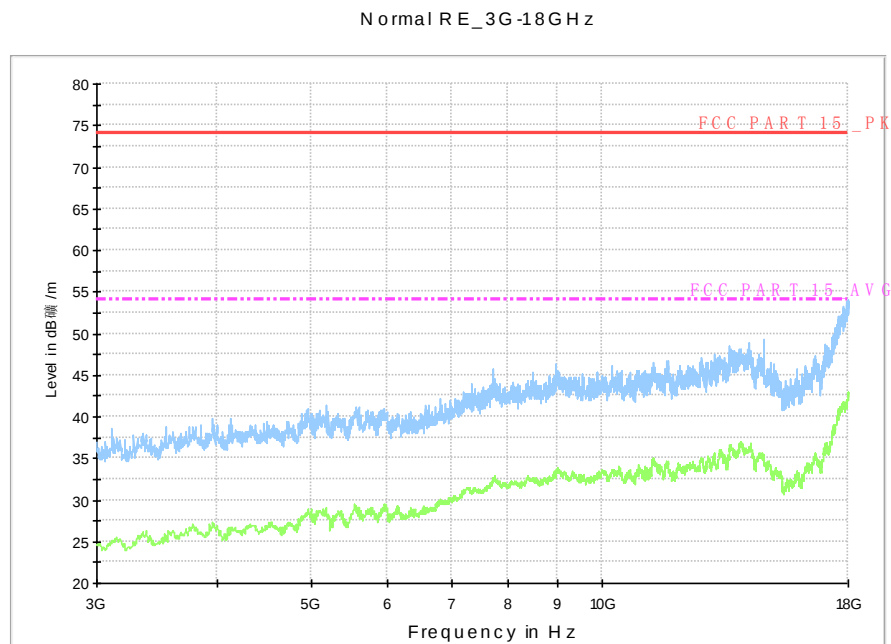


Fig.A.6.2.18 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

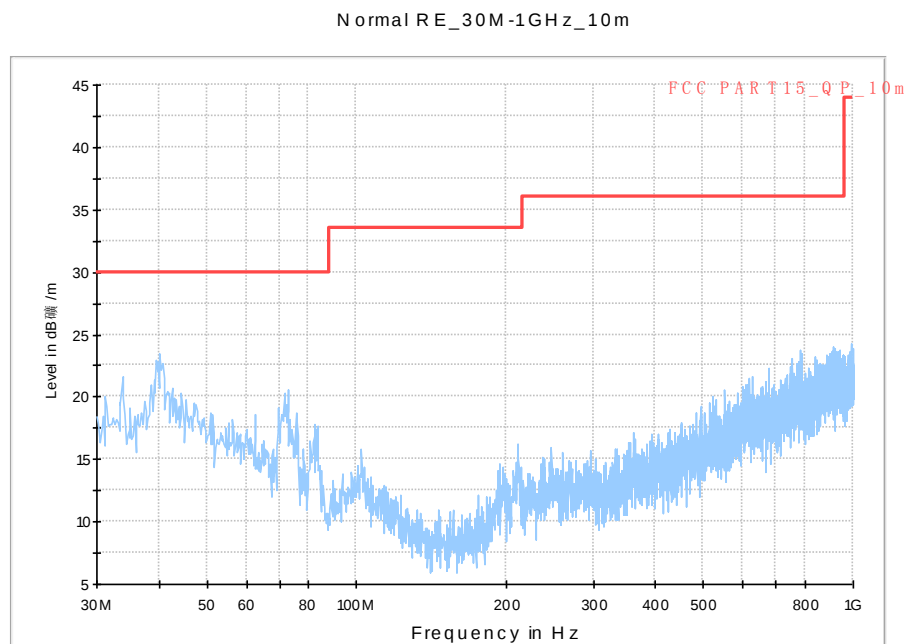


Fig.A.6.2.19 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)

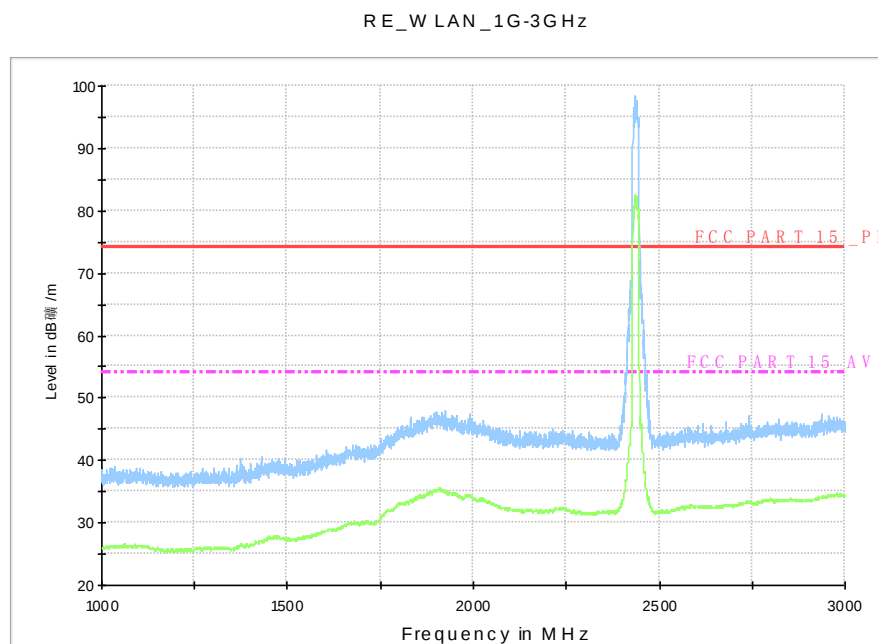


Fig.A.6.2.20 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

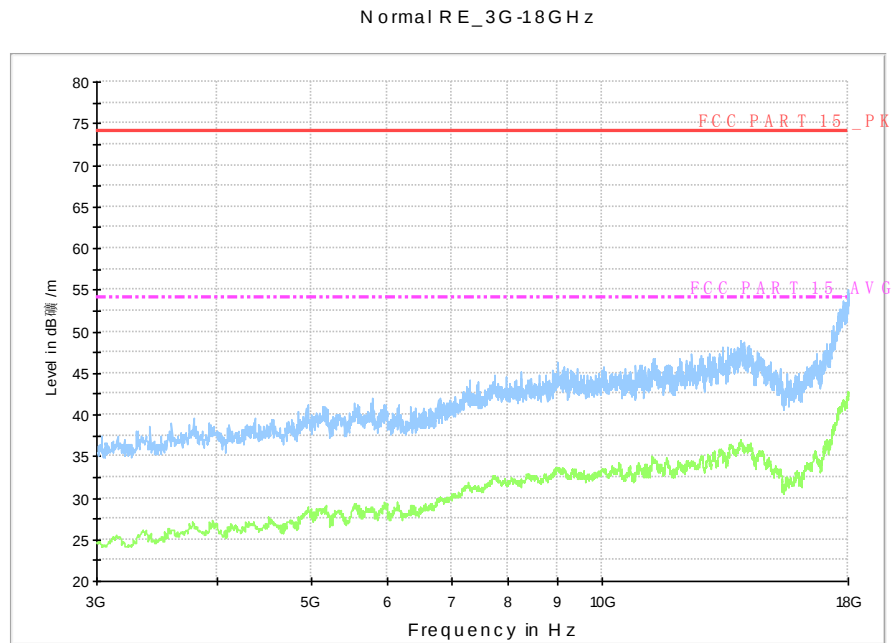


Fig.A.6.2.21 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

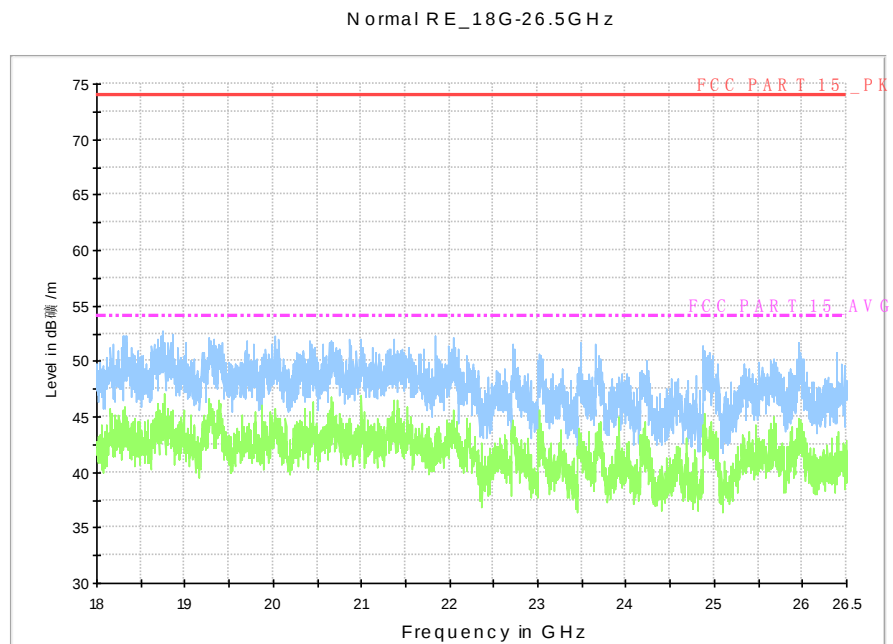


Fig.A.6.2.22 Radiated Spurious Emission (802.11g, Ch6, 18GHz – 26.5GHz)

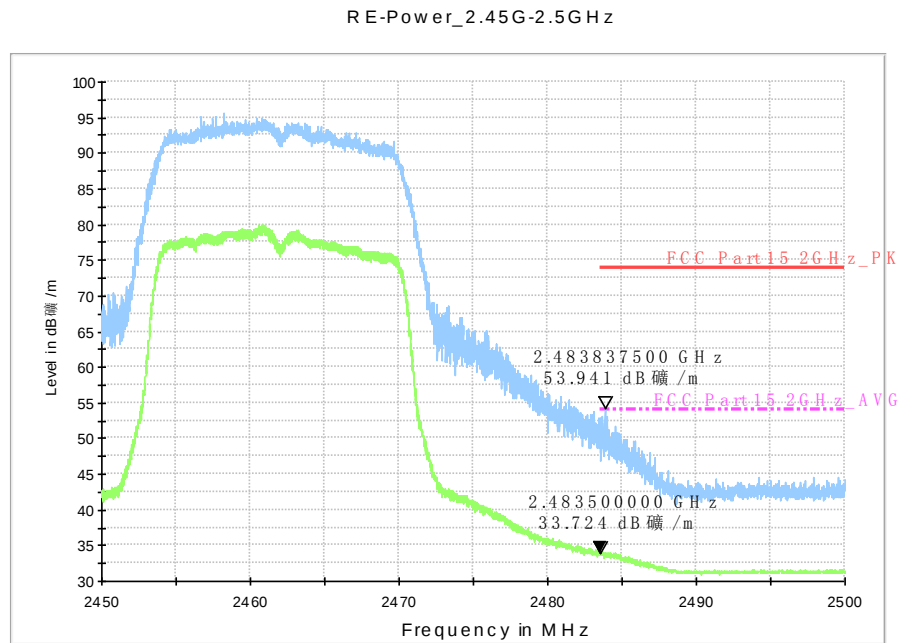


Fig.A.6.2.23 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

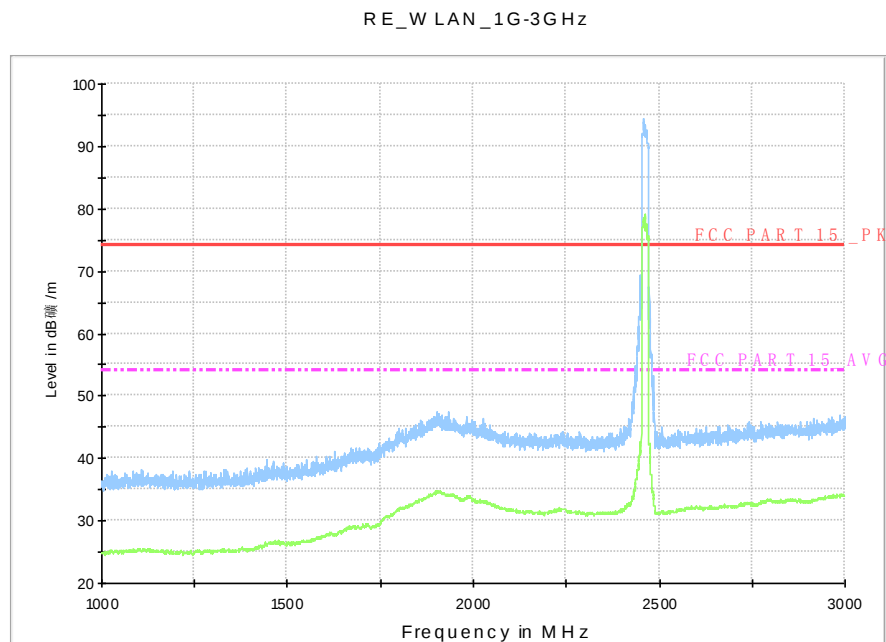


Fig.A.6.2.24 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

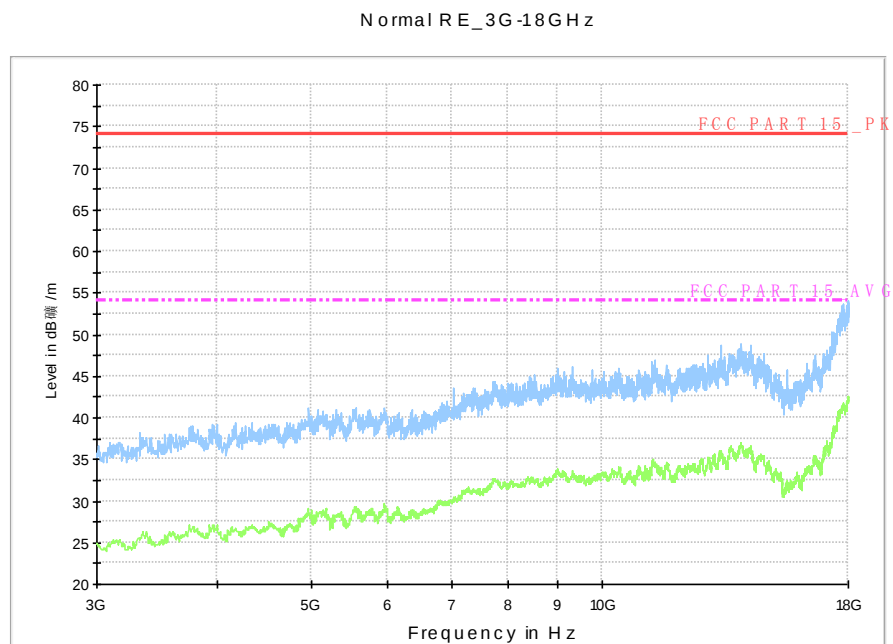


Fig.A.6.2.25 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

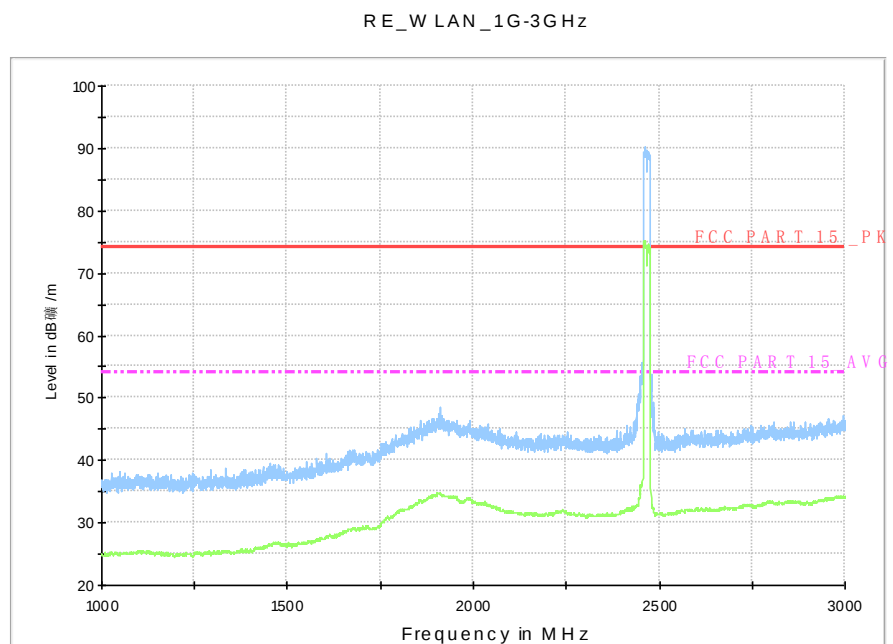


Fig.A.6.2.26 Radiated Spurious Emission (802.11g, Ch12, 1 GHz-3 GHz)

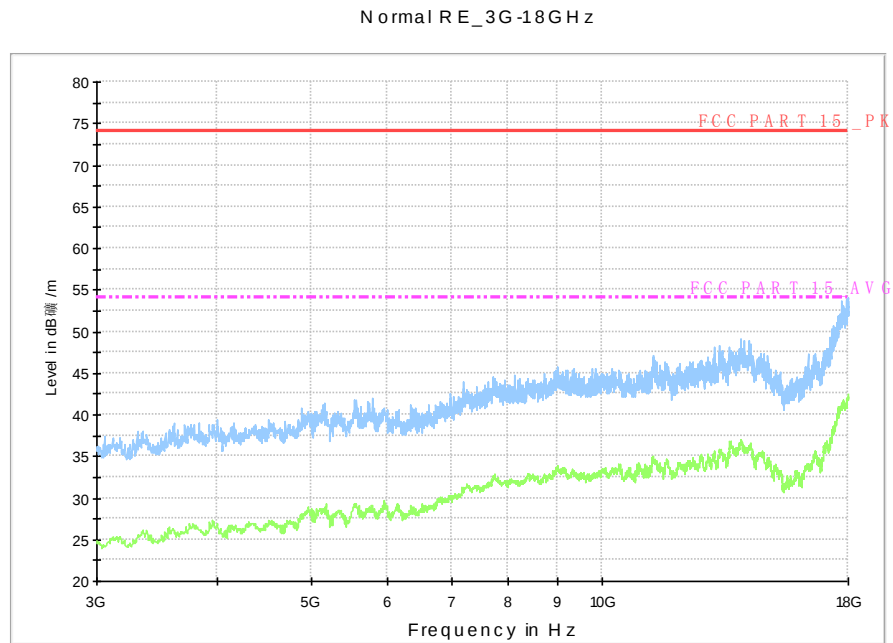


Fig.A.6.2.27 Radiated Spurious Emission (802.11g, Ch12, 3 GHz-18 GHz)

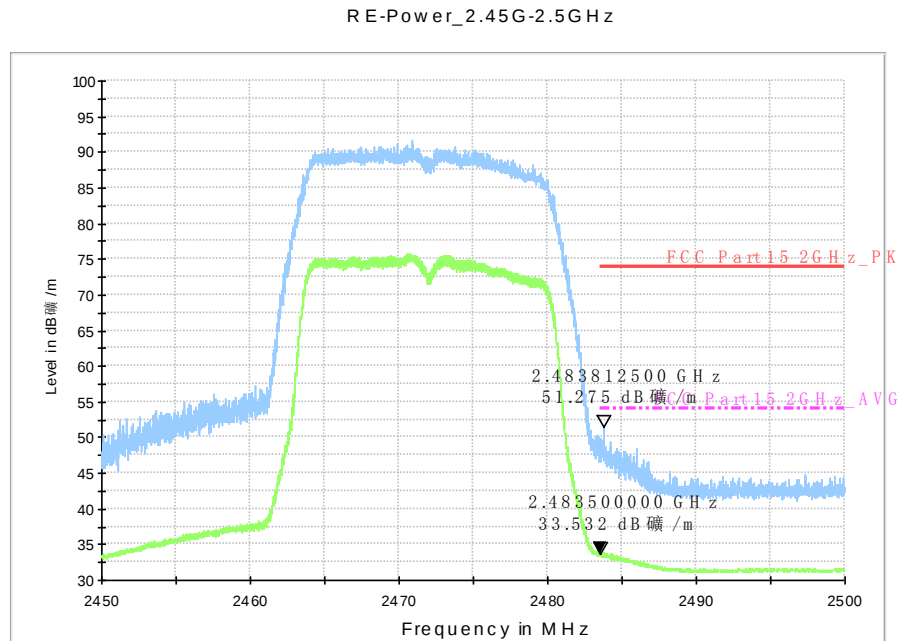


Fig.A.6.2.28 Radiated Spurious Emission (Power): 802.11g, ch13, 2.45 GHz - 2.50GHz

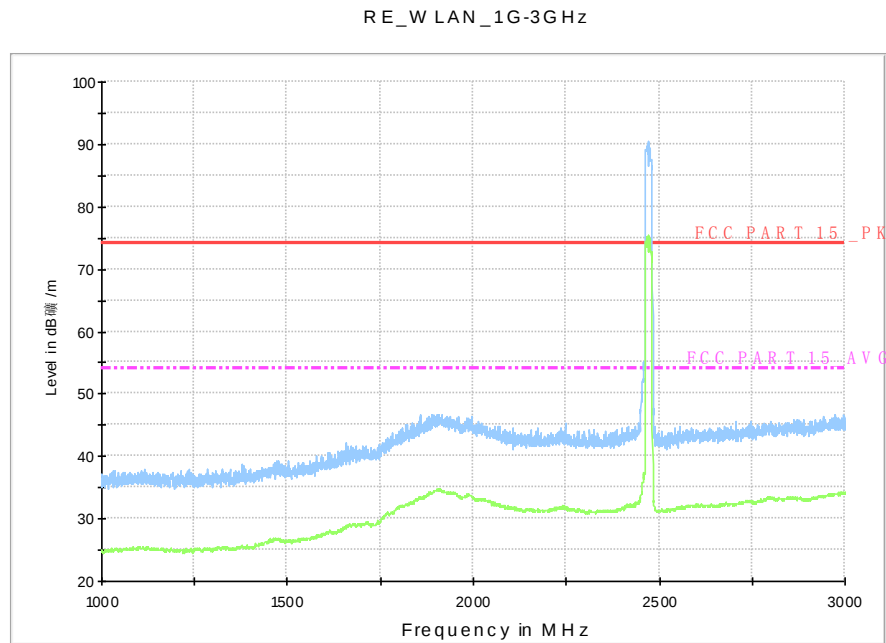


Fig.A.6.2.29 Radiated Spurious Emission (802.11g, Ch13, 1 GHz-3 GHz)

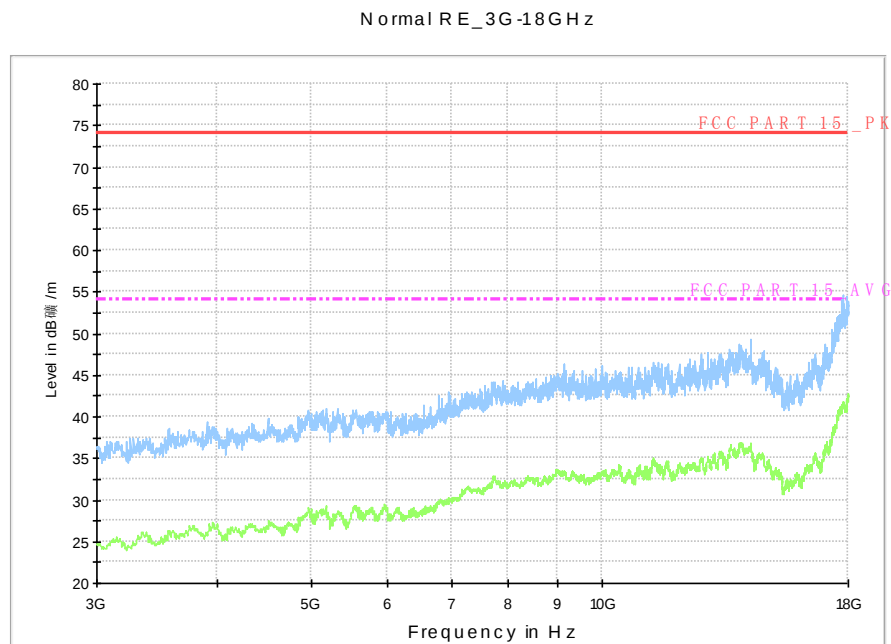


Fig.A.6.2.30 Radiated Spurious Emission (802.11g, Ch13, 3 GHz-18 GHz)

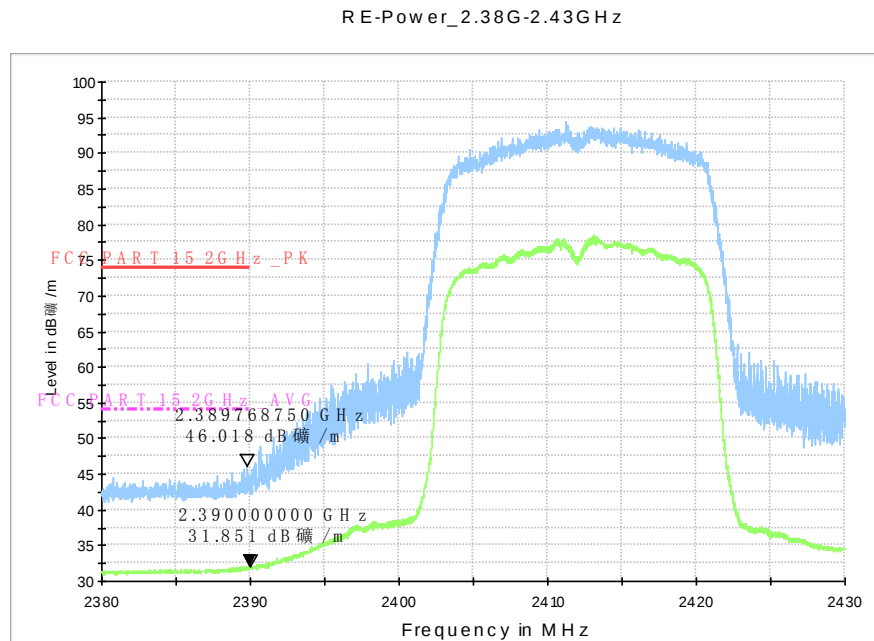


Fig.A.6.2.31 Radiated Spurious Emission (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

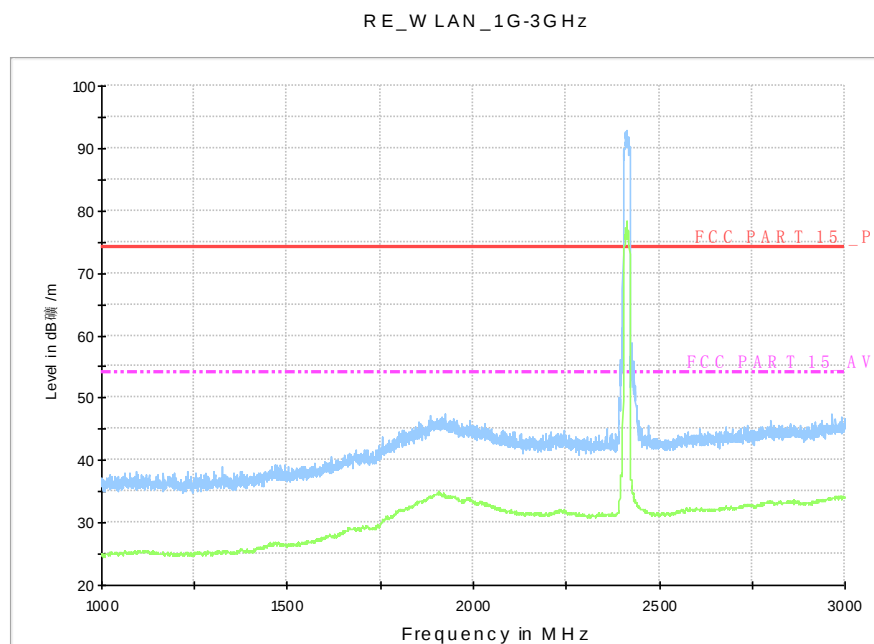


Fig.A.6.2.32 Radiated Spurious Emission (802.11n-HT20, Ch1, 1 GHz-3 GHz)

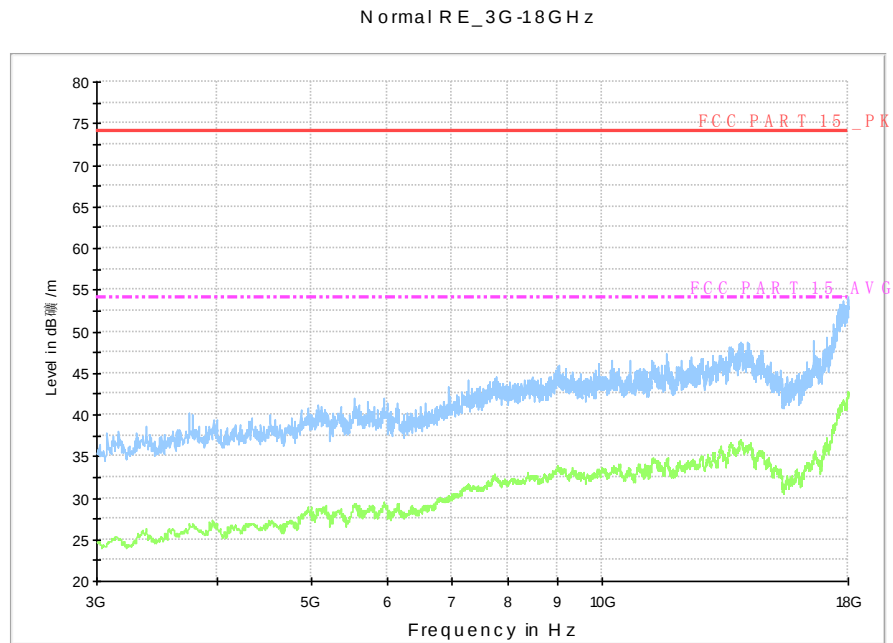


Fig.A.6.2.33 Radiated Spurious Emission (802.11n-HT20, Ch1, 3 GHz-18 GHz)

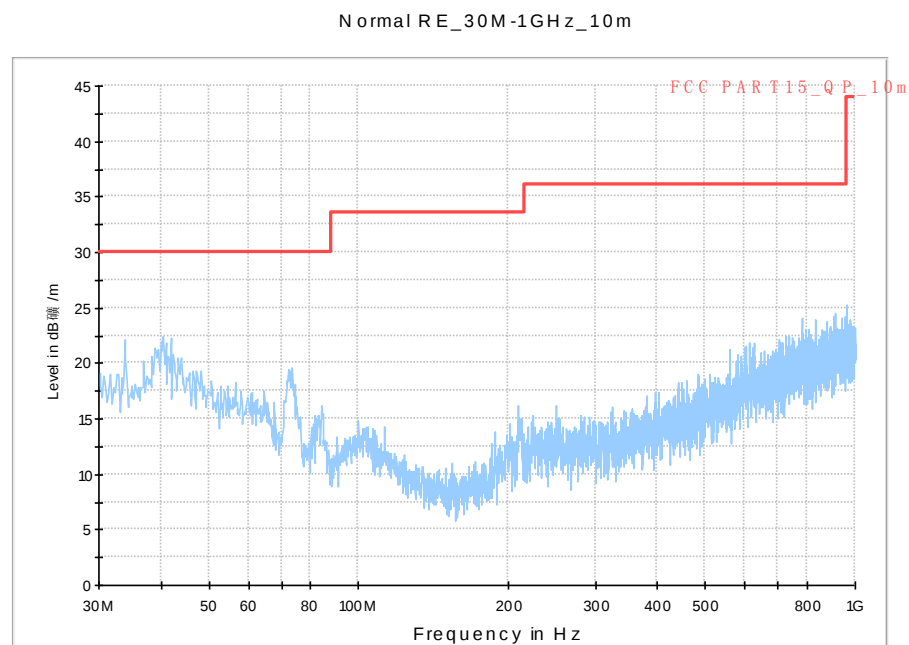


Fig.A.6.2.34 Radiated Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)

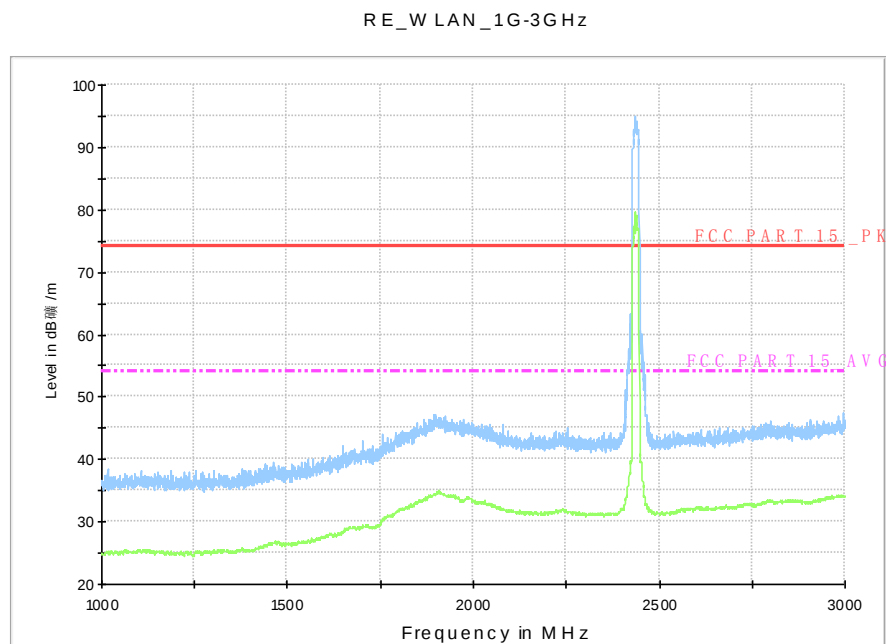


Fig.A.6.2.35 Radiated Spurious Emission (802.11n-HT20, Ch6, 1 GHz-3 GHz)

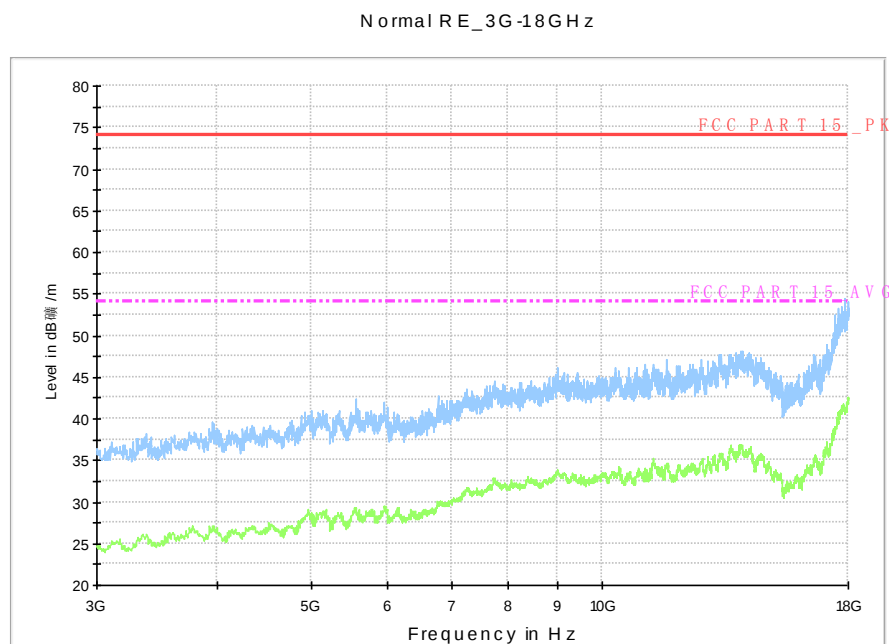


Fig.A.6.2.36 Radiated Spurious Emission (802.11n-HT20, Ch6, 3 GHz-18 GHz)

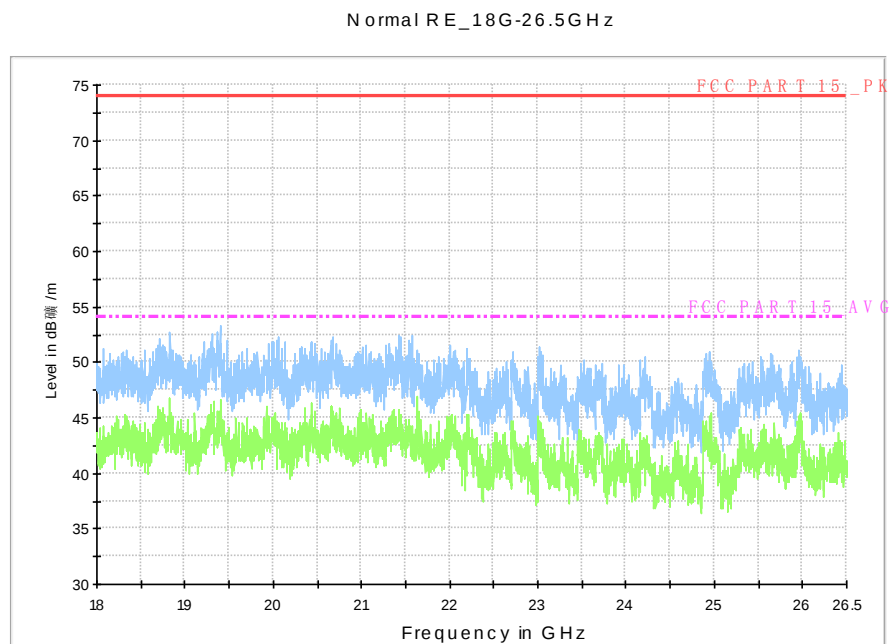


Fig.A.6.2.37 Radiated Spurious Emission (802.11n-HT20, Ch6, 18GHz – 26.5GHz)

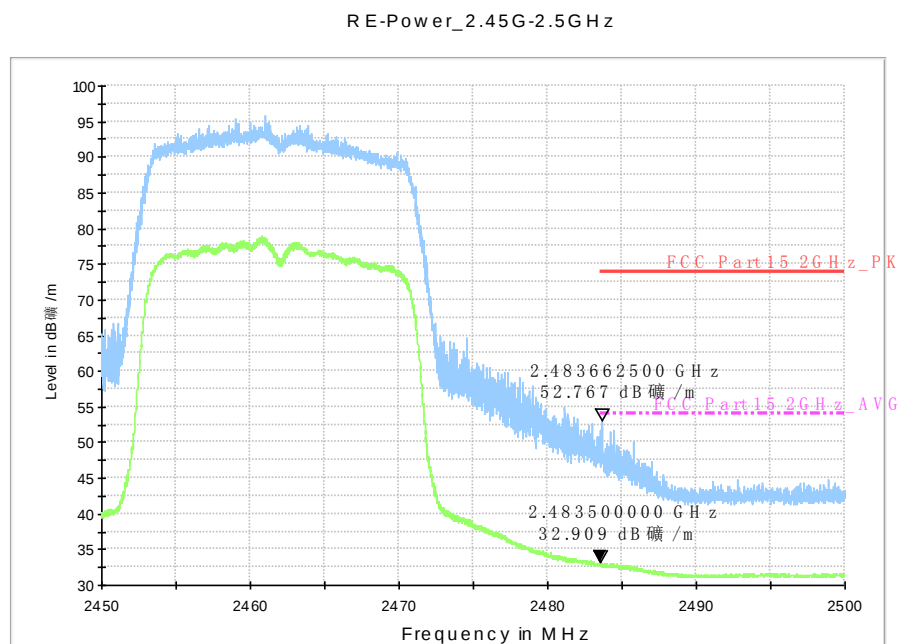


Fig.A.6.2.38 Radiated Spurious Emission (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

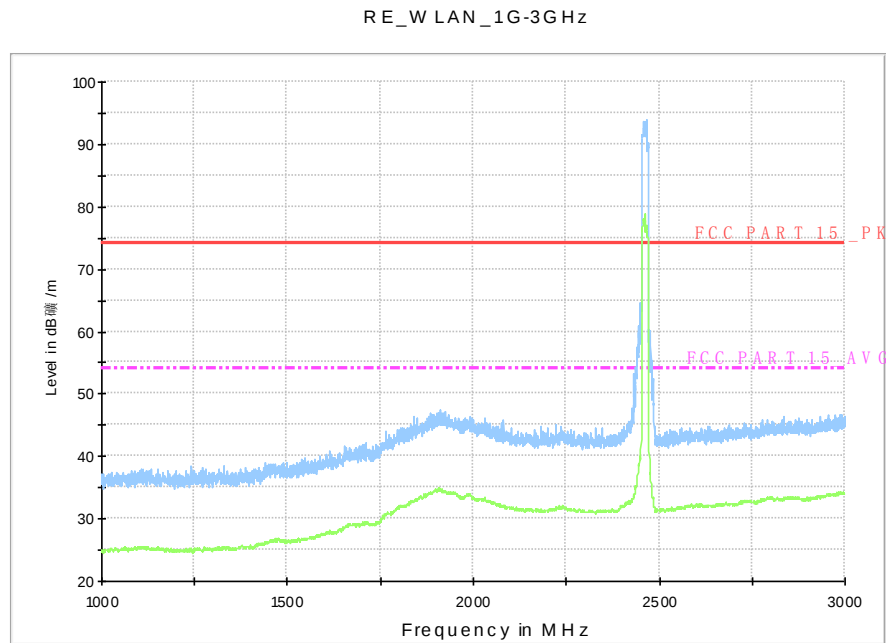


Fig.A.6.2.39 Radiated Spurious Emission (802.11n-HT20, Ch11, 1 GHz-3 GHz)

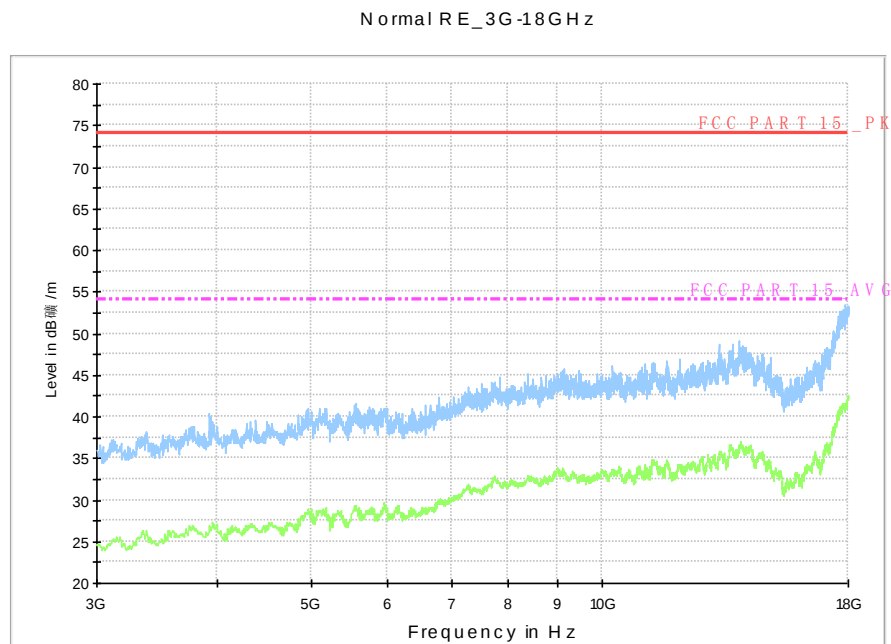


Fig.A.6.2.40 Radiated Spurious Emission (802.11n-HT20, Ch11, 3 GHz-18 GHz)

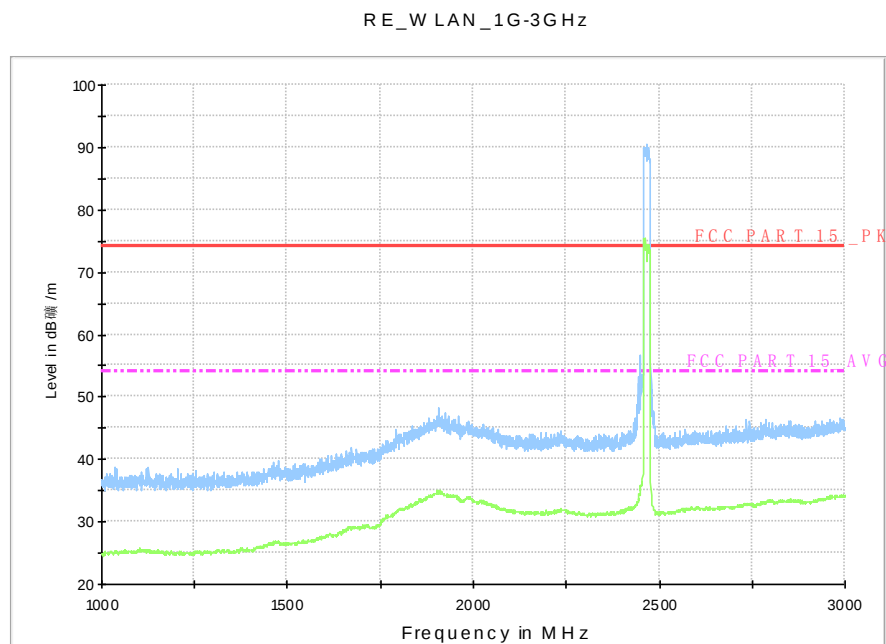


Fig.A.6.2.41 Radiated Spurious Emission (802.11n-HT20, Ch12, 1 GHz-3 GHz)

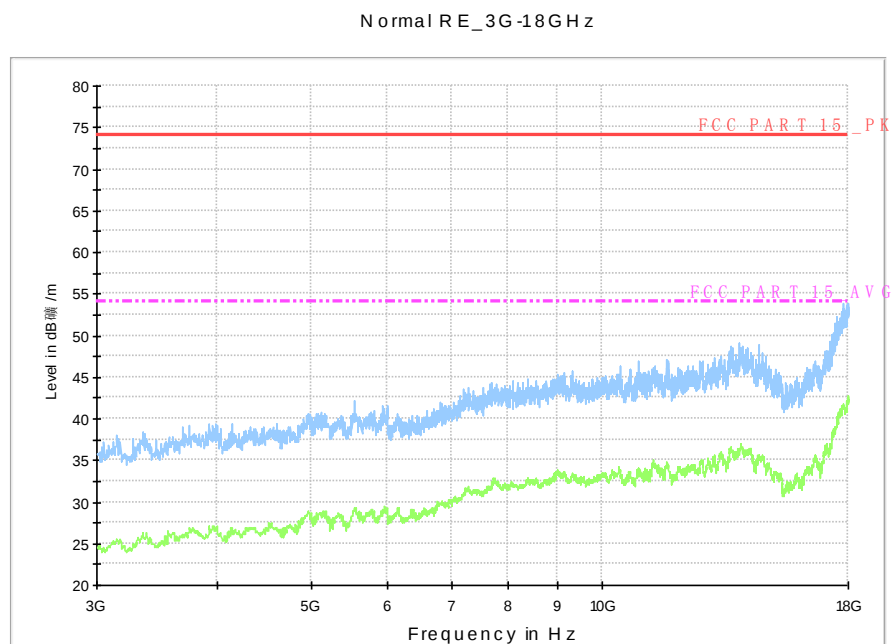


Fig.A.6.2.42 Radiated Spurious Emission (802.11n-HT20, Ch12, 3 GHz-18 GHz)

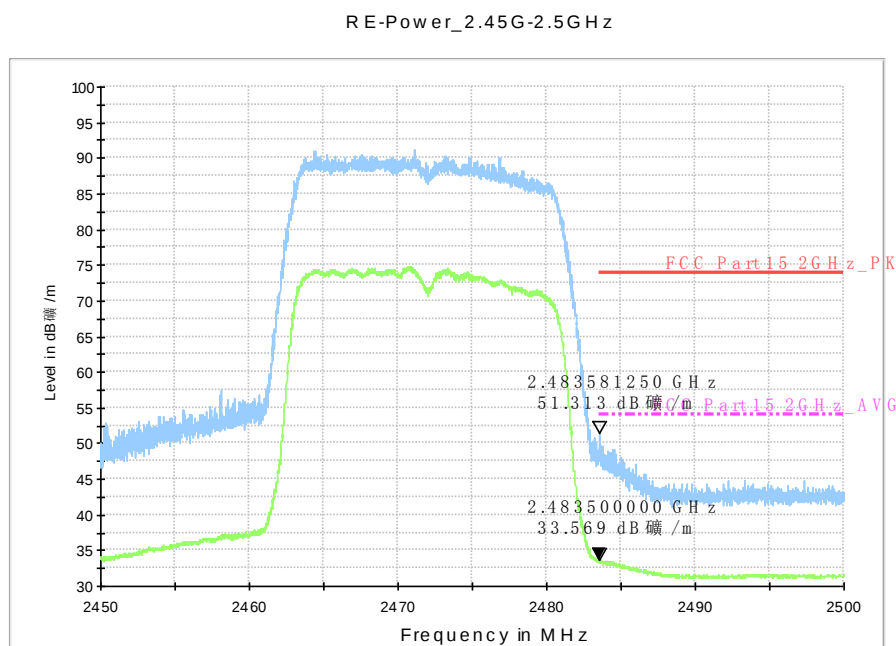


Fig.A.6.2.43 Radiated Spurious Emission (Power): 802.11n-HT20, ch13, 2.45 GHz - 2.50GHz

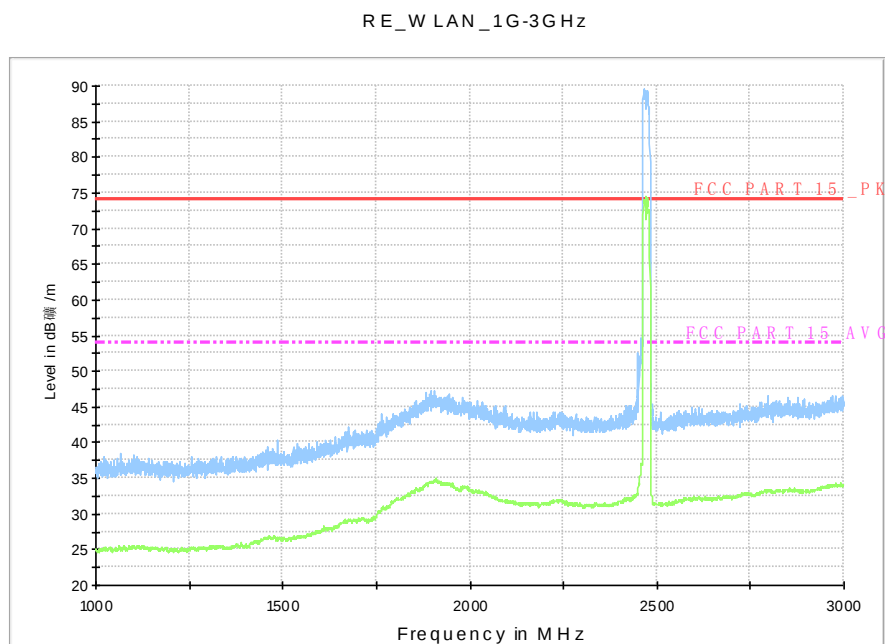


Fig.A.6.2.44 Radiated Spurious Emission (802.11n-HT20, Ch13, 1 GHz-3 GHz)

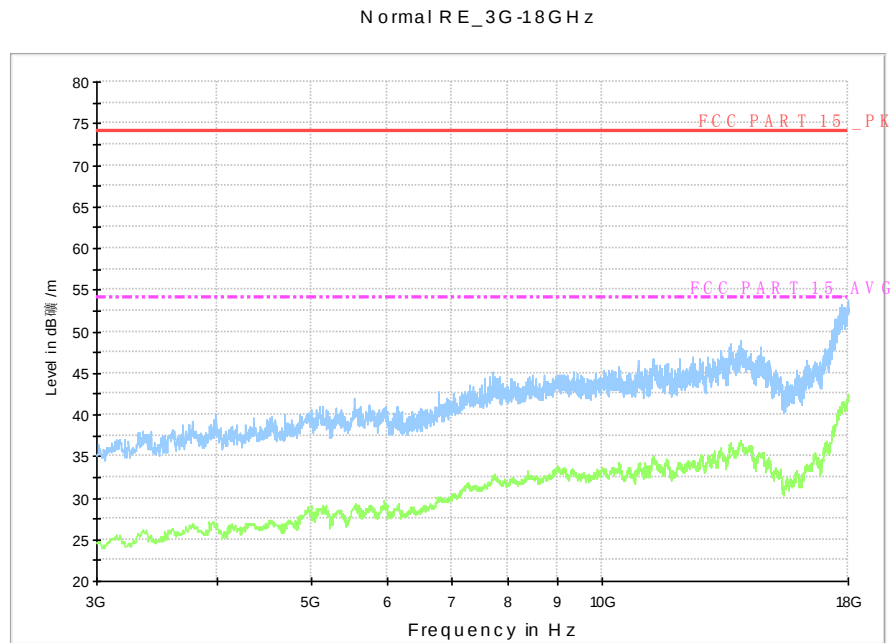


Fig.A.6.2.45 Radiated Spurious Emission (802.11n-HT20, Ch13, 3 GHz-18 GHz)

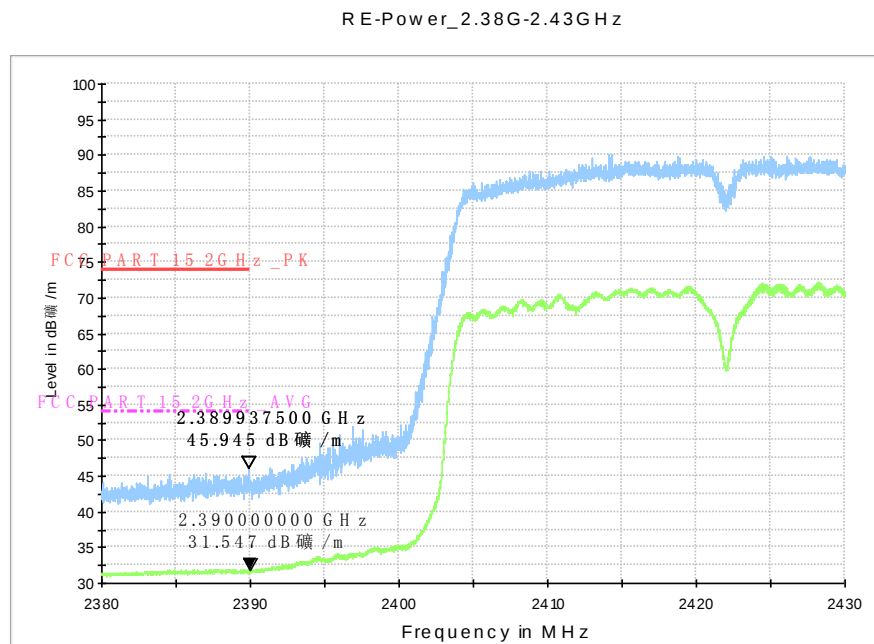


Fig.A.6.2.46 Radiated Spurious Emission (Power): 802.11n-HT40, ch3, 2.38 GHz - 2.45GHz

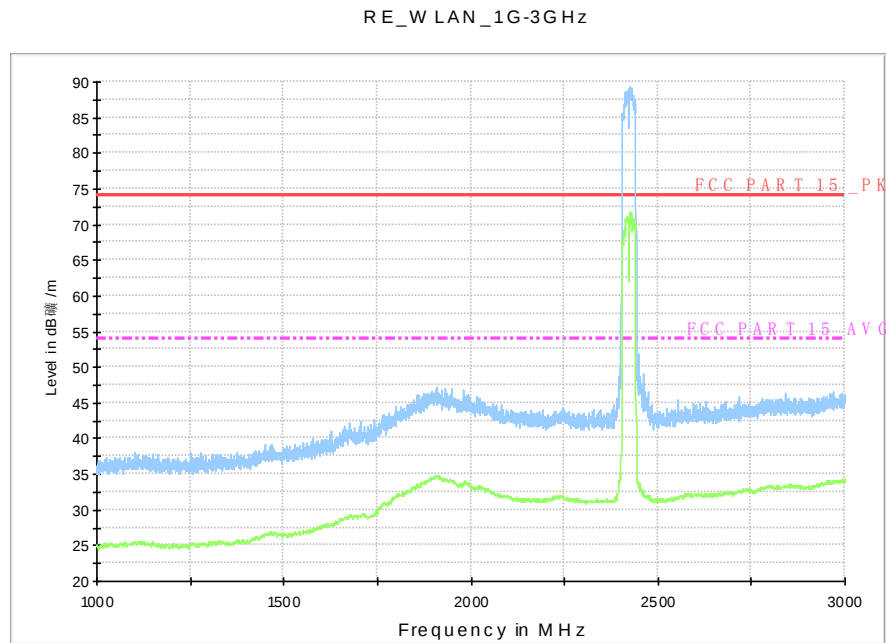


Fig.A.6.2.47 Radiated Spurious Emission (802.11n-HT40, ch3, 1 GHz-3 GHz)

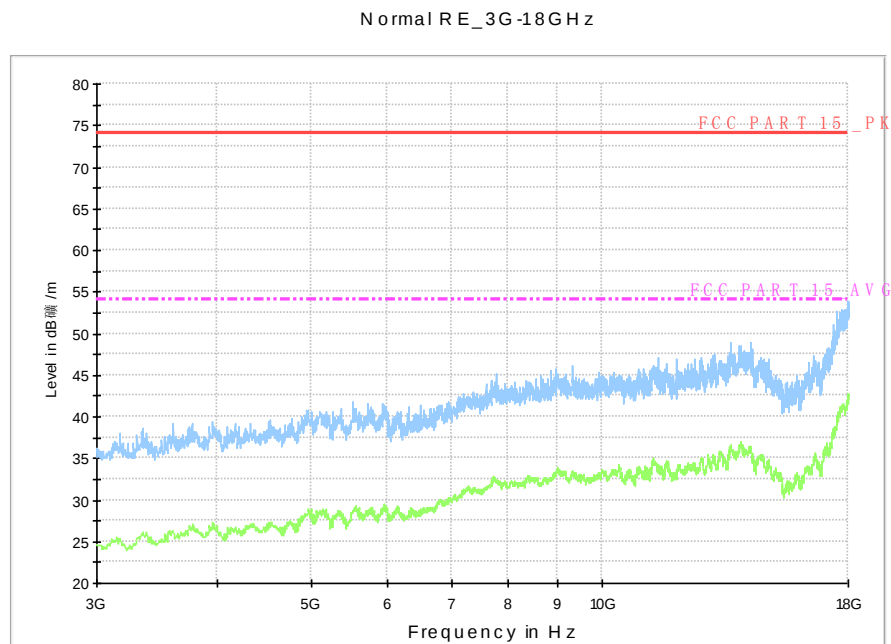


Fig.A.6.2.48 Radiated Spurious Emission (802.11n-HT40, ch3, 3 GHz-18 GHz)

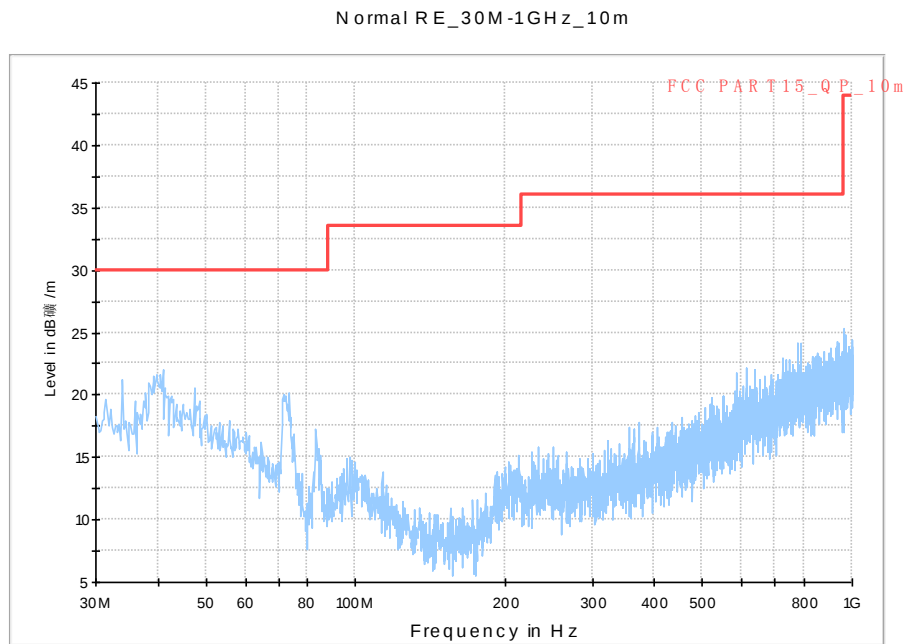


Fig.A.6.2.49 Radiated Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)

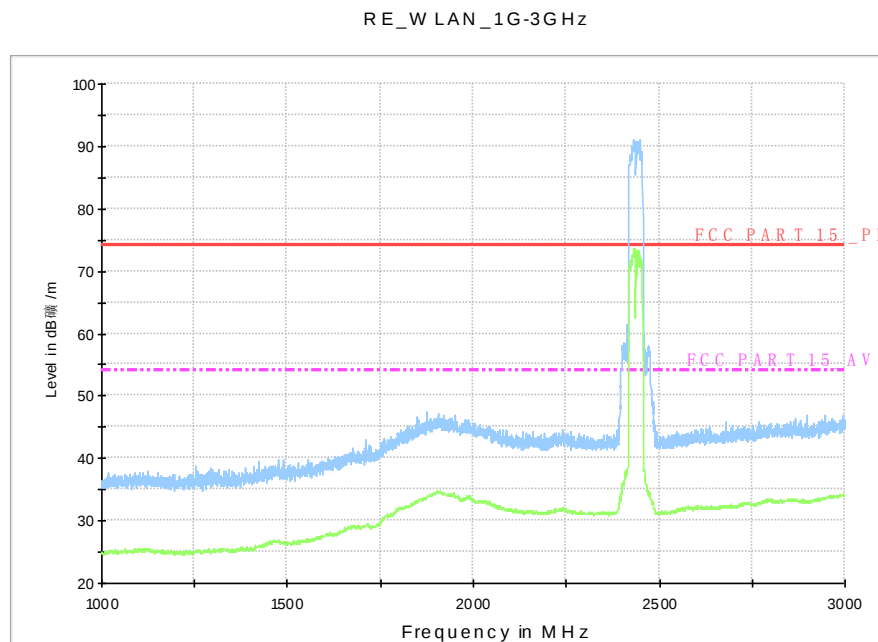


Fig.A.6.2.50 Radiated Spurious Emission (802.11n-HT40, Ch6, 1 GHz-3 GHz)

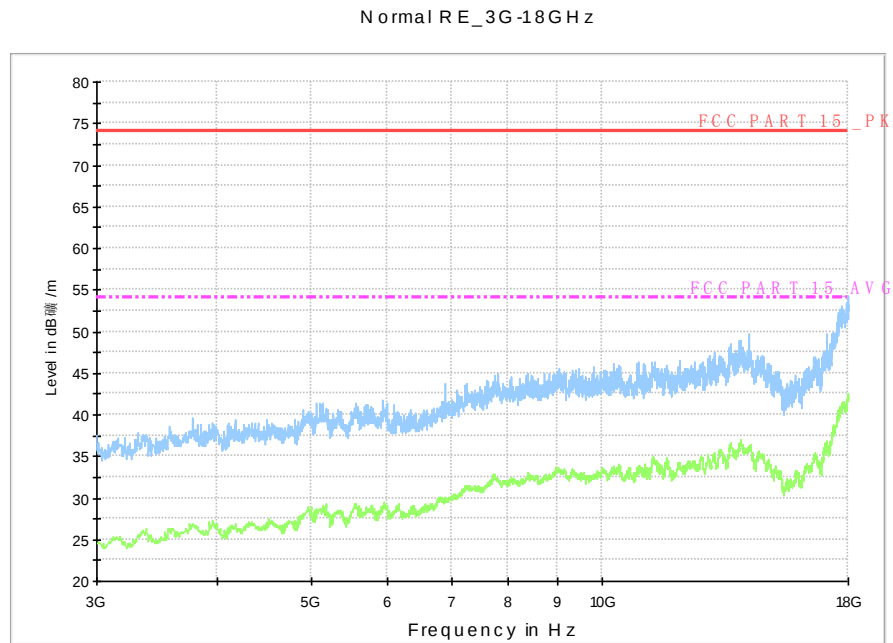


Fig.A.6.2.51 Radiated Spurious Emission (802.11n-HT40, Ch6, 3 GHz-18 GHz)

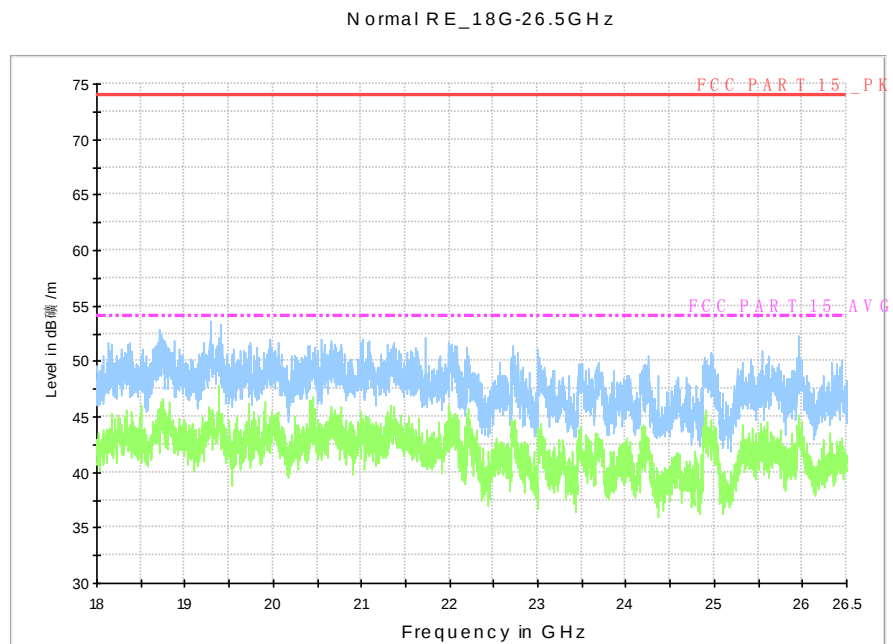


Fig.A.6.2.52 Radiated Spurious Emission (802.11n-HT40, Ch6, 18GHz – 26.5GHz)

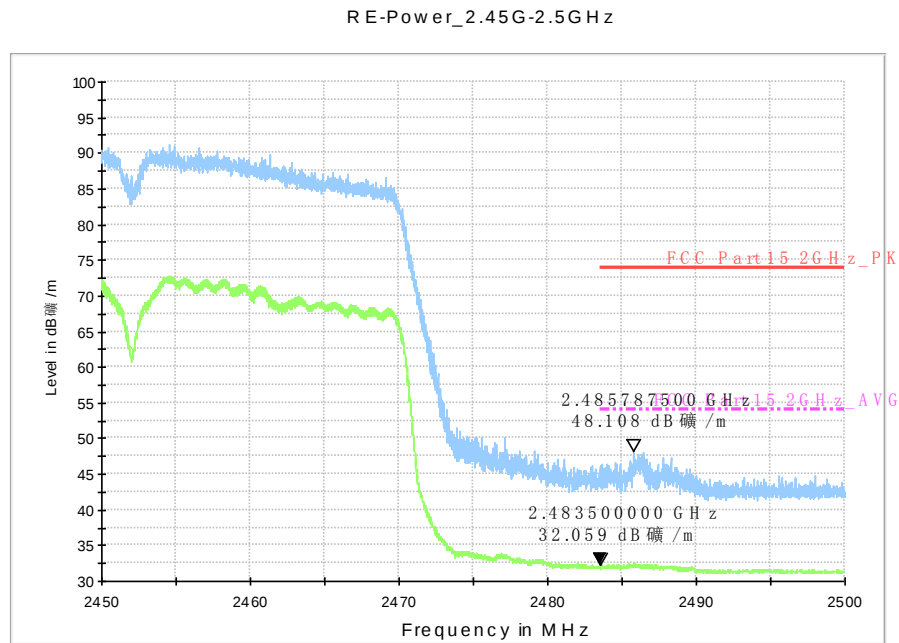


Fig.A.6.2.53 Radiated Spurious Emission (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz

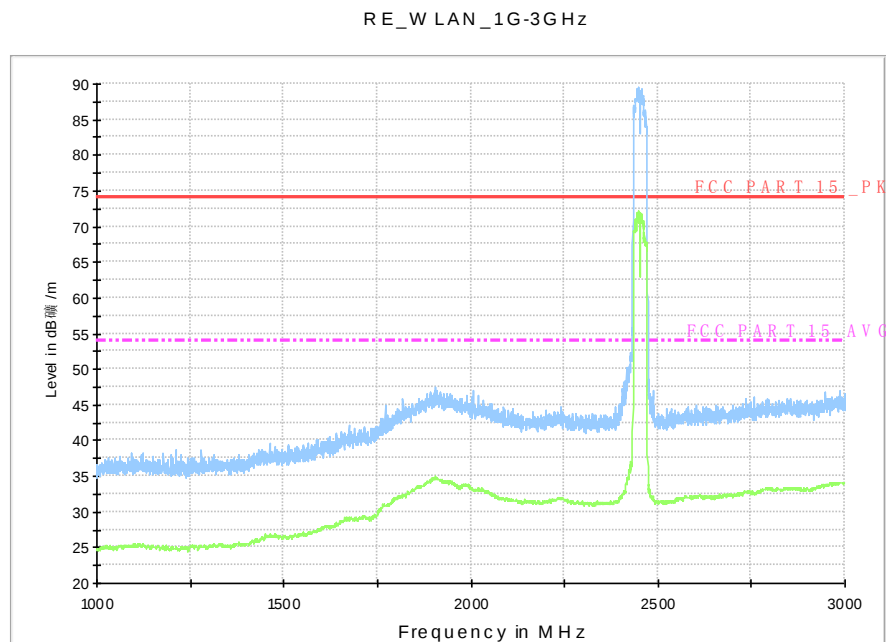


Fig.A.6.2.54 Radiated Spurious Emission (802.11n-HT40, ch9, 1 GHz-3 GHz)

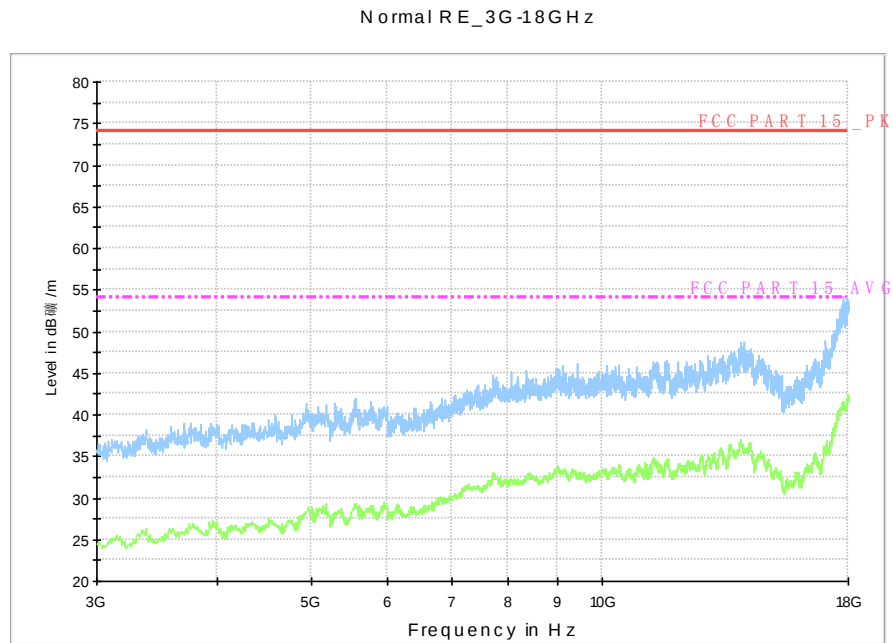


Fig.A.6.2.55 Radiated Spurious Emission (802.11n-HT40, ch9, 3 GHz-18 GHz)

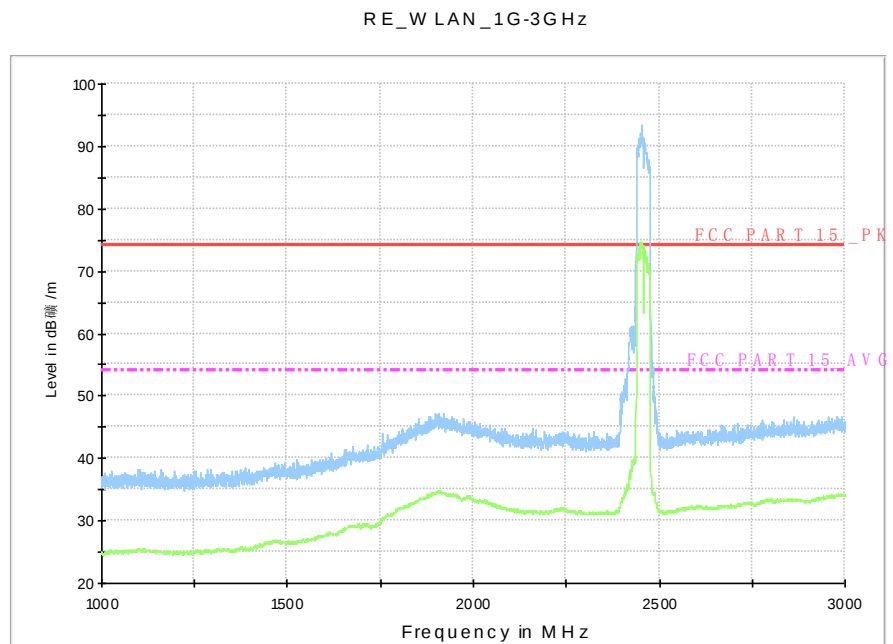


Fig.A.6.2.56 Radiated Spurious Emission (802.11n-HT40, Ch10, 1 GHz-3 GHz)

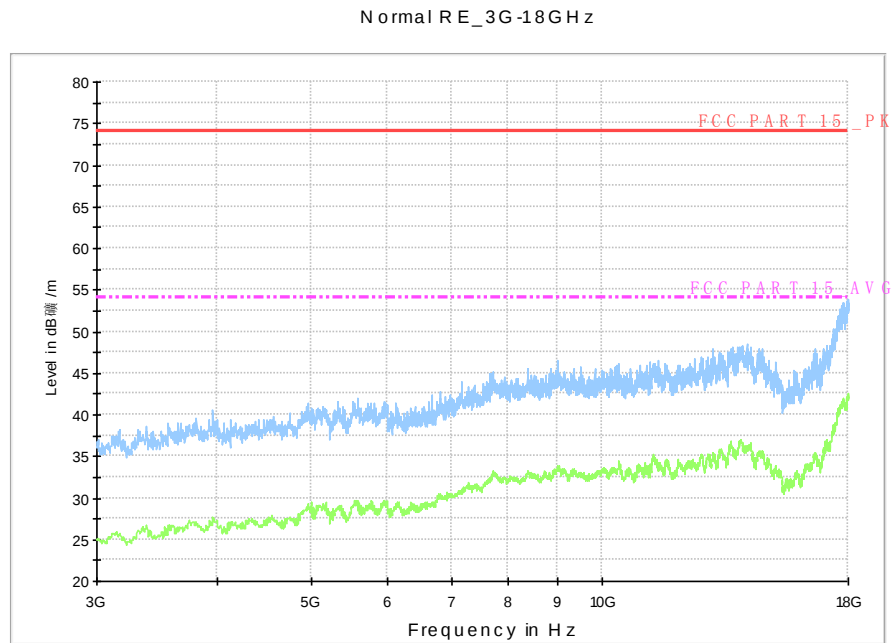


Fig.A.6.2.57 Radiated Spurious Emission (802.11n-HT40, Ch10, 3 GHz-18 GHz)

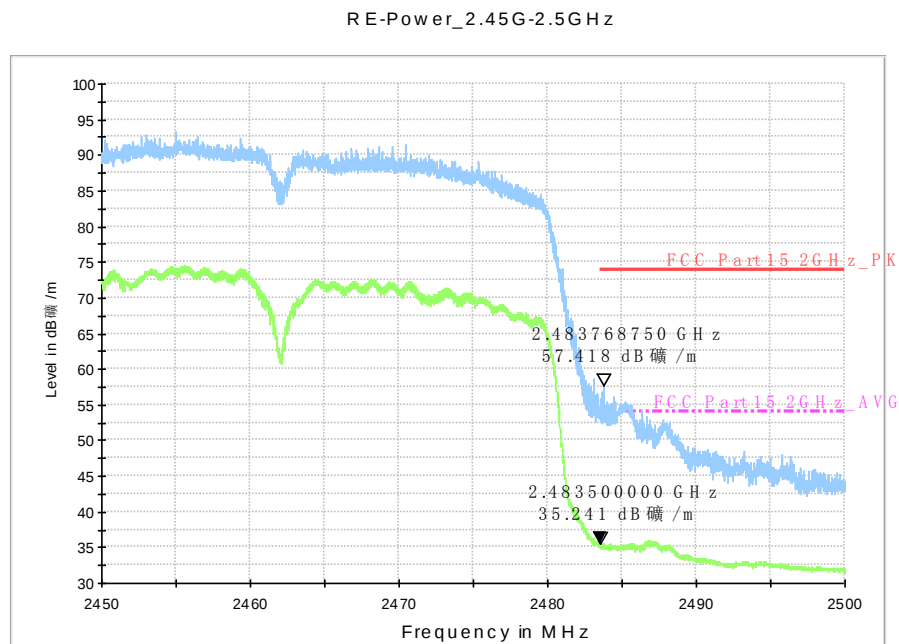


Fig.A.6.2.58 Radiated Spurious Emission (Power): 802.11n-HT40, ch11, 2.45 GHz - 2.50GHz

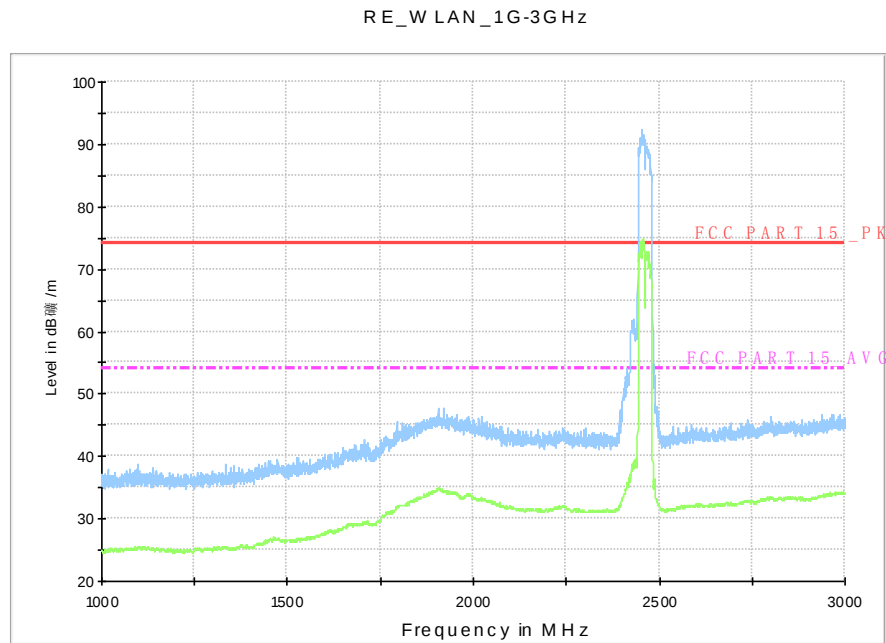


Fig.A.6.2.59 Radiated Spurious Emission (802.11n-HT40, Ch11, 1 GHz-3 GHz)

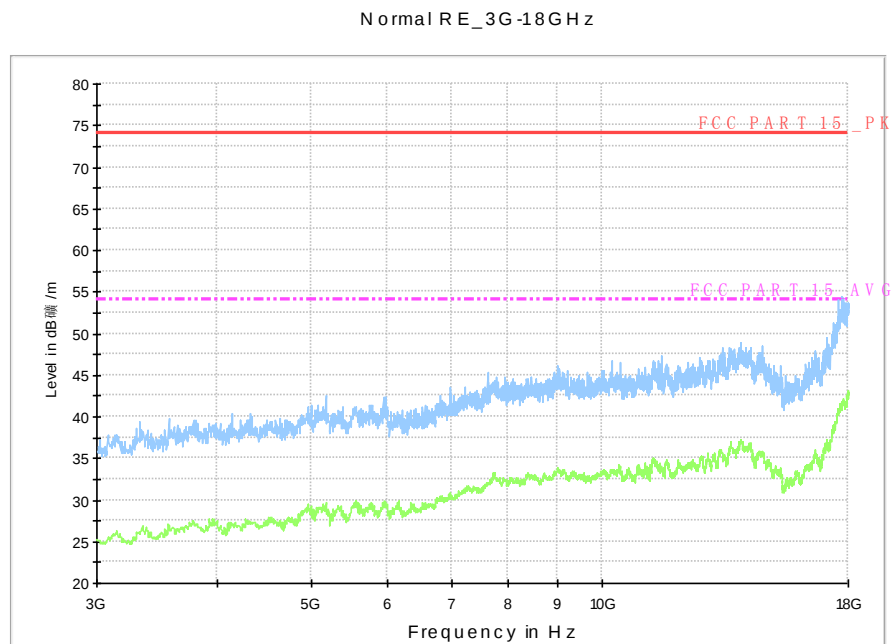


Fig.A.6.2.60 Radiated Spurious Emission (802.11n-HT40, Ch11, 3 GHz-18 GHz)

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 (dBμV)	Result (dBμV)		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 (dBμV)	Result (dBμV)		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.				

Conclusion: Pass

Measurement uncertainty:

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

Test graphs as below:

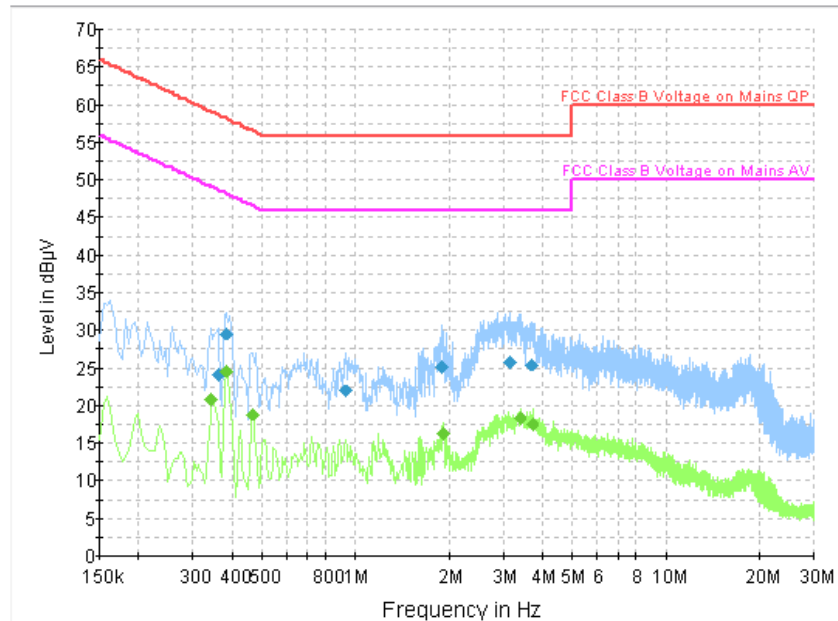


Fig.A.7.1 AC Powerline Conducted Emission-802.11b

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)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.361500	24.1	2000.0	9.000	On	L1	10.1	34.6	58.7
0.384000	29.5	2000.0	9.000	On	N	10.0	28.7	58.2
0.928500	22.0	2000.0	9.000	On	N	9.9	34.0	56.0
1.905000	25.0	2000.0	9.000	On	N	9.8	31.0	56.0
3.165000	25.8	2000.0	9.000	On	N	9.8	30.2	56.0
3.691500	25.4	2000.0	9.000	On	N	9.8	30.6	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.343500	20.9	2000.0	9.000	On	N	10.0	28.2	49.1
0.384000	24.5	2000.0	9.000	On	N	10.0	23.6	48.2
0.465000	18.8	2000.0	9.000	On	N	10.1	27.8	46.6
1.909500	16.4	2000.0	9.000	On	L1	9.9	29.6	46.0
3.376500	18.3	2000.0	9.000	On	L1	9.8	27.7	46.0
3.718500	17.5	2000.0	9.000	On	N	9.8	28.5	46.0

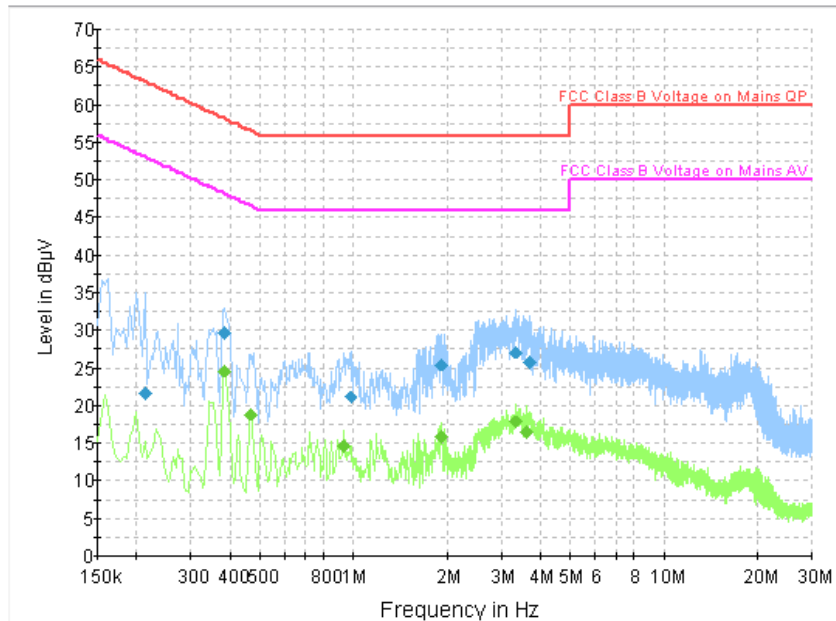


Fig.A.7.2 AC Powerline Conducted Emission-Idle

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)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.213000	21.6	2000.0	9.000	On	N	9.9	41.5	63.1
0.384000	29.7	2000.0	9.000	On	N	10.0	28.5	58.2
0.978000	21.1	2000.0	9.000	On	L1	9.9	34.9	56.0
1.909500	25.4	2000.0	9.000	On	N	9.8	30.6	56.0
3.331500	27.1	2000.0	9.000	On	N	9.8	28.9	56.0
3.700500	25.7	2000.0	9.000	On	L1	9.8	30.3	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.384000	24.6	2000.0	9.000	On	N	10.0	23.6	48.2
0.465000	18.9	2000.0	9.000	On	L1	10.1	27.8	46.6
0.928500	14.7	2000.0	9.000	On	L1	9.9	31.3	46.0
1.909500	15.9	2000.0	9.000	On	N	9.8	30.1	46.0
3.340500	17.9	2000.0	9.000	On	N	9.8	28.1	46.0
3.615000	16.5	2000.0	9.000	On	L1	9.8	29.5	46.0

*** END OF REPORT BODY ***