RE - 3GHz-18GHz

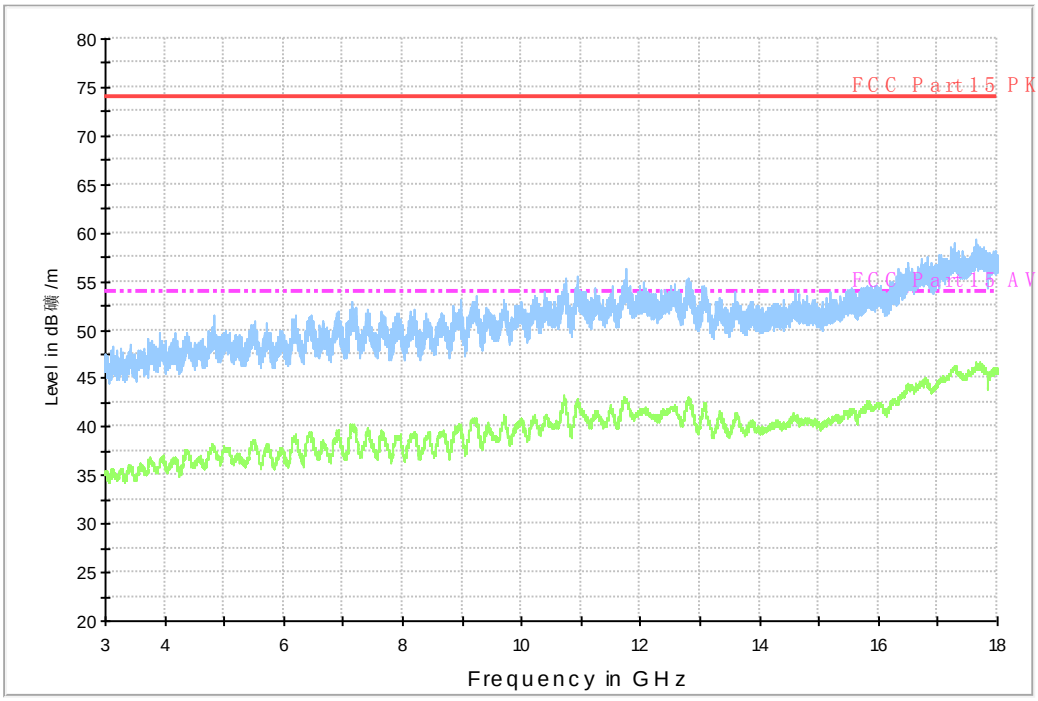

Fig.A.6.2.7 Transmitter Spurious Emission - Radiated (802.11b, Ch6, 3 GHz-18 GHz)

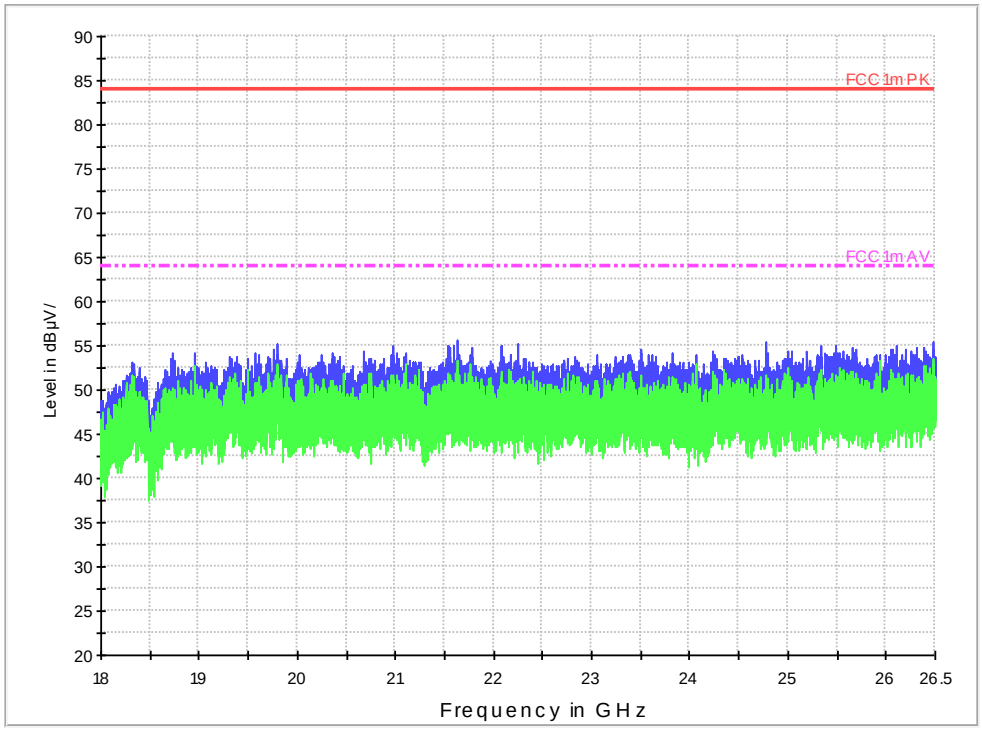

Fig.A.6.2.8 Transmitter Spurious Emission - Radiated (802.11b, Ch6, 18GHz –

26.5GHz)

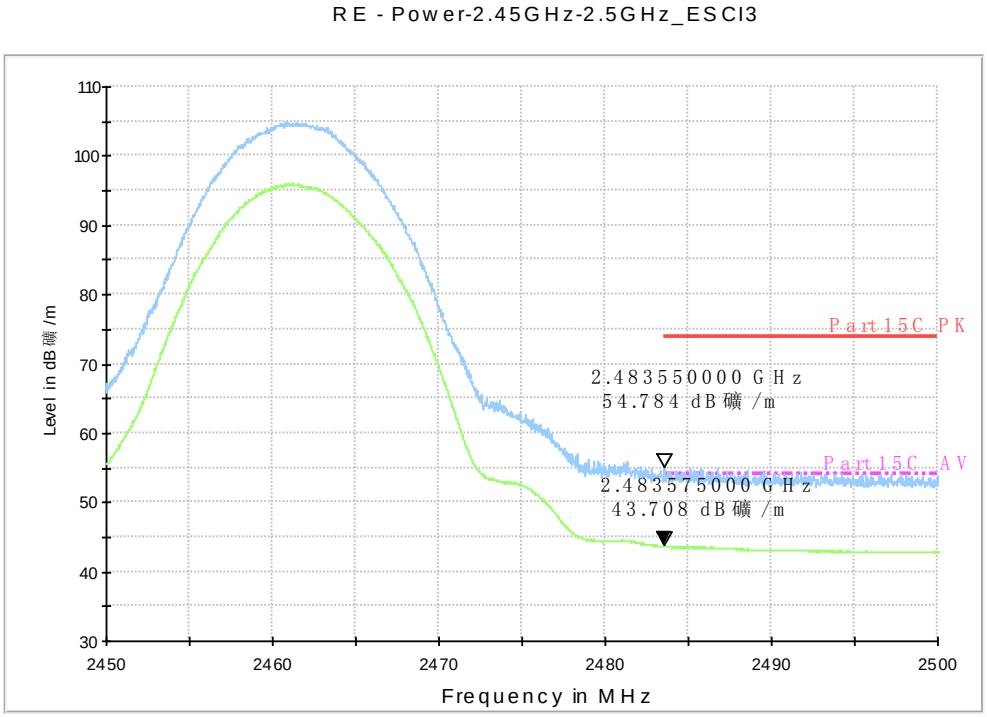

Fig.A.6.2.9 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

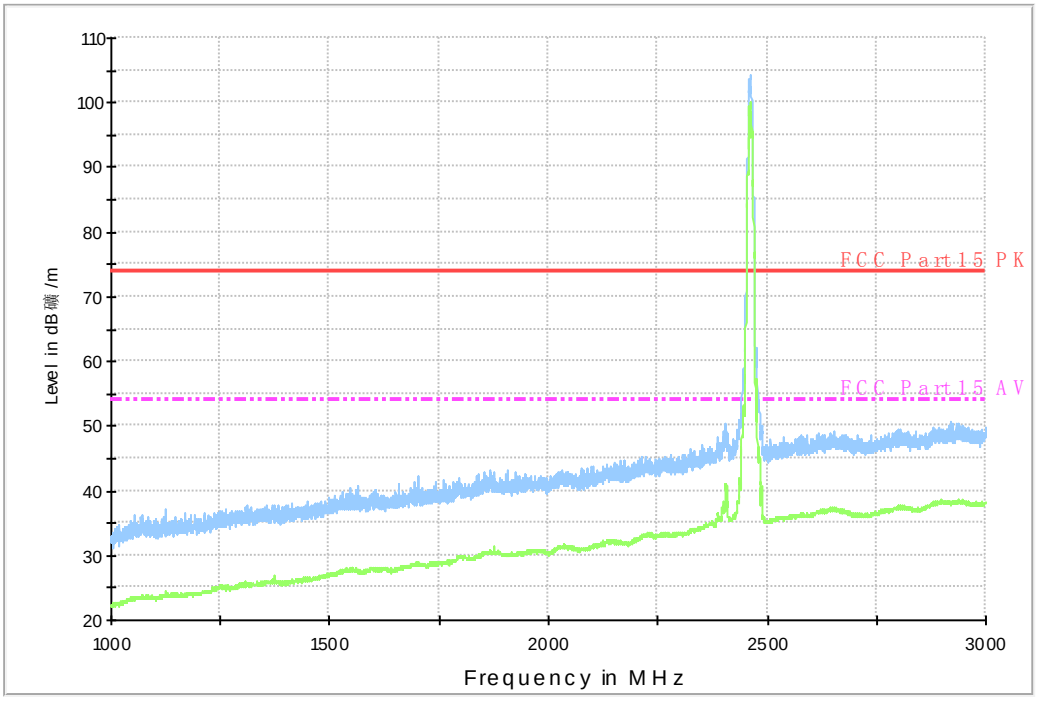

Fig.A.6.2.10 Transmitter Spurious Emission - Radiated (802.11b, Ch11, 1 GHz-3 GHz)

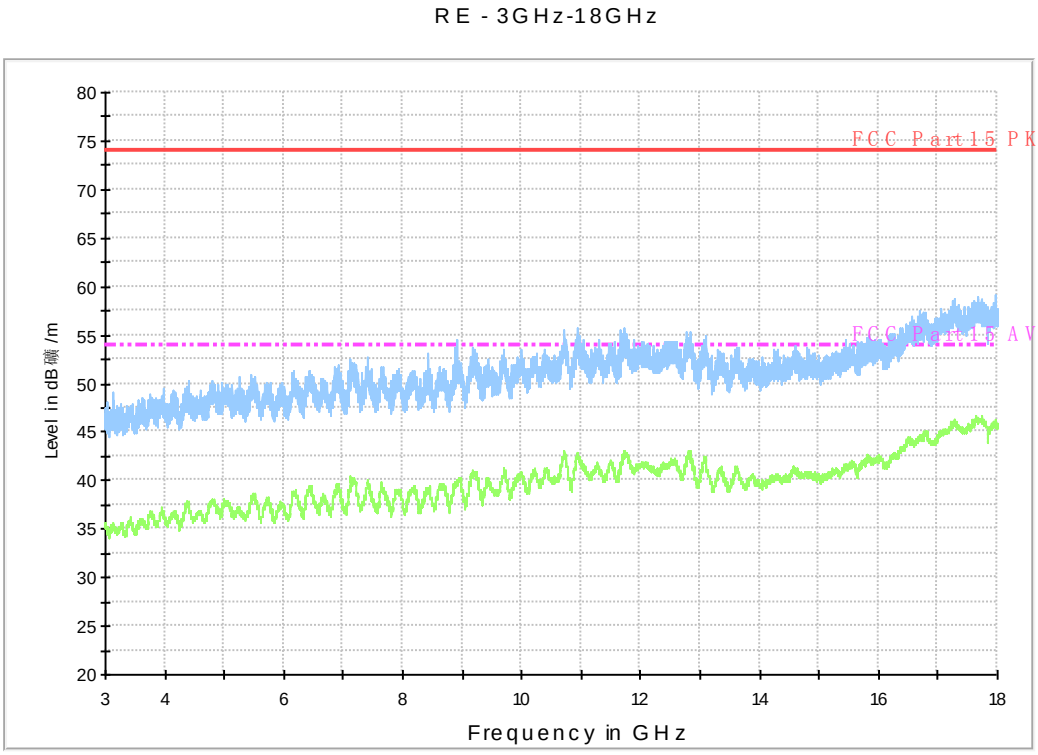

Fig.A.6.2.11 Transmitter Spurious Emission - Radiated (802.11b, Ch11, 3 GHz-18 GHz)

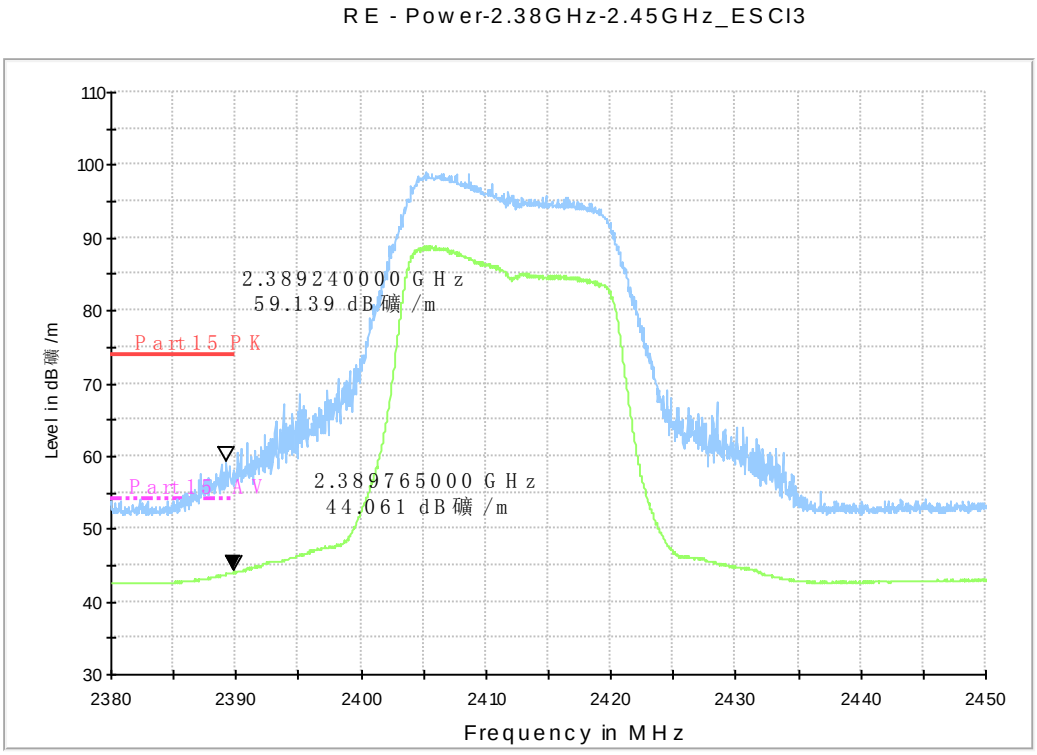

Fig.A.6.2.12 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.38 GHz

- 2.45GHz

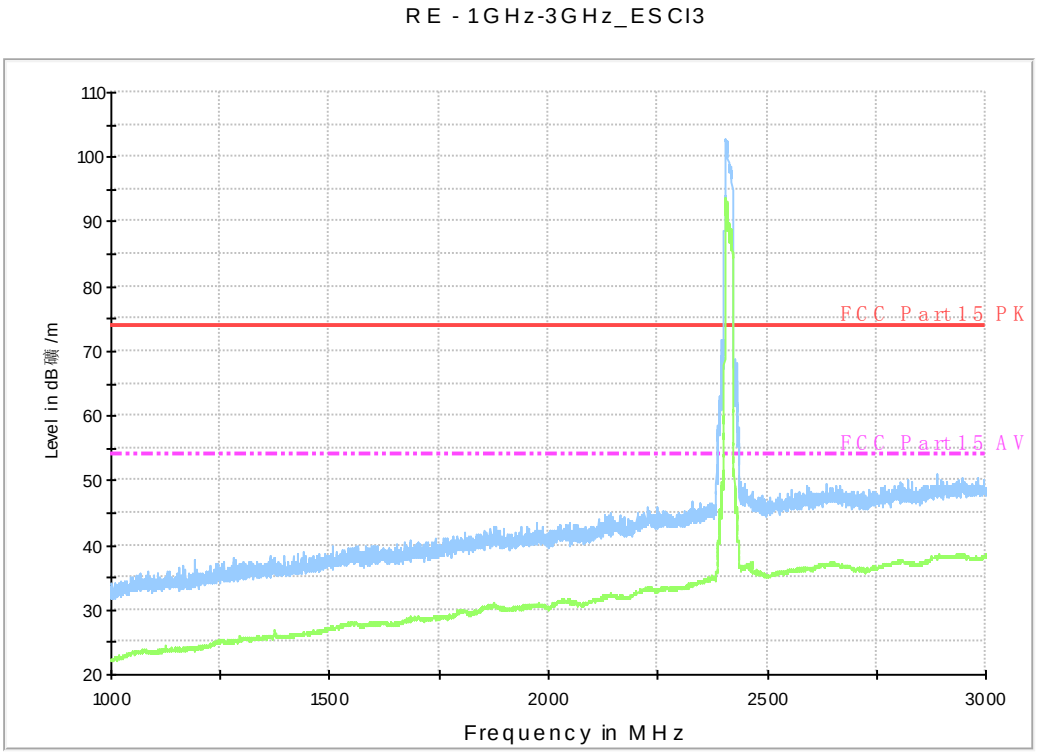

Fig.A.6.2.13 Transmitter Spurious Emission - Radiated (802.11g, Ch1, 1 GHz-3 GHz)

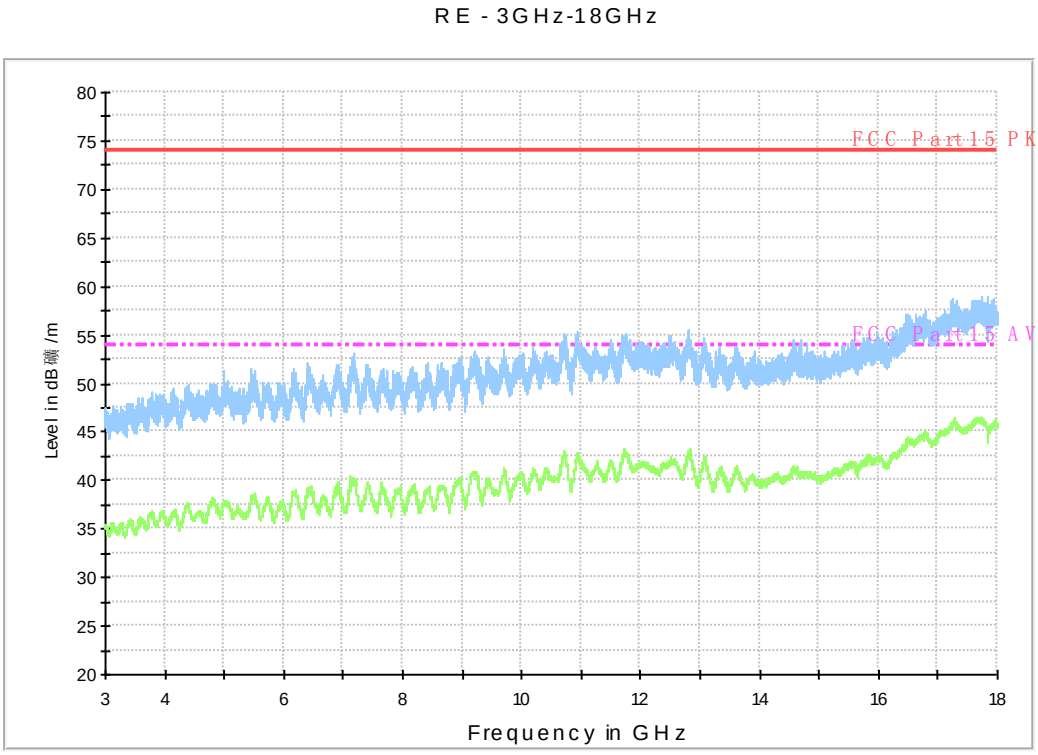

Fig.A.6.2.14 Transmitter Spurious Emission - Radiated (802.11g, Ch1, 3 GHz-18 GHz)

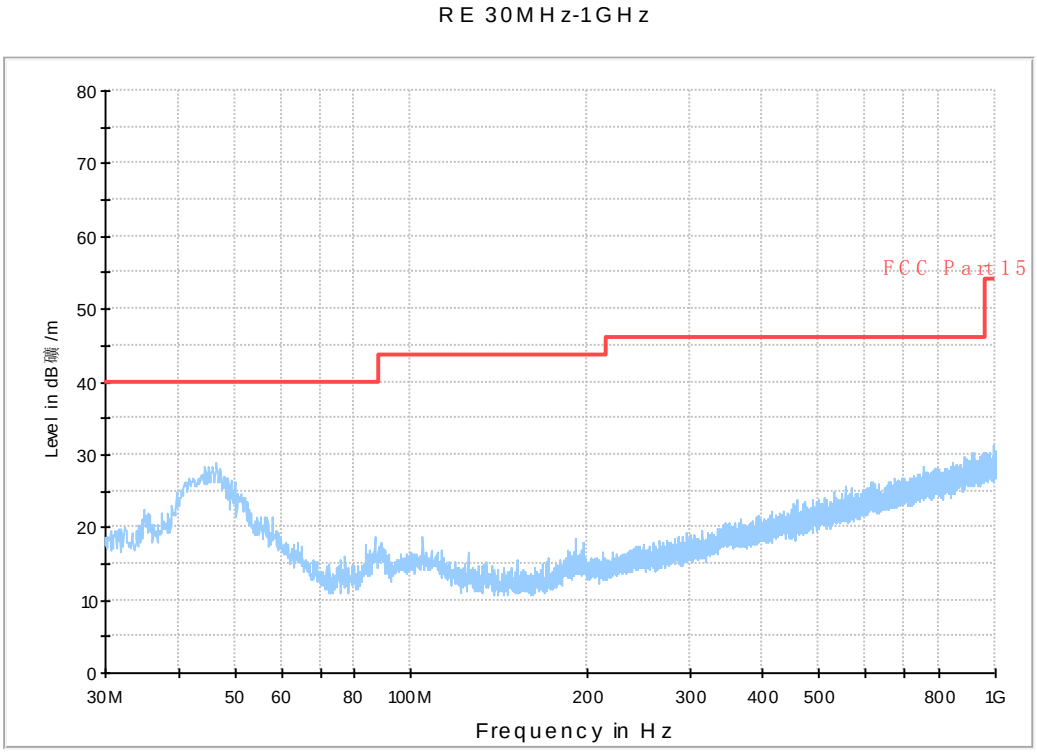

Fig.A.6.2.15 Transmitter Spurious Emission - Radiated (802.11g, Ch6, 30 MHz-1 GHz)

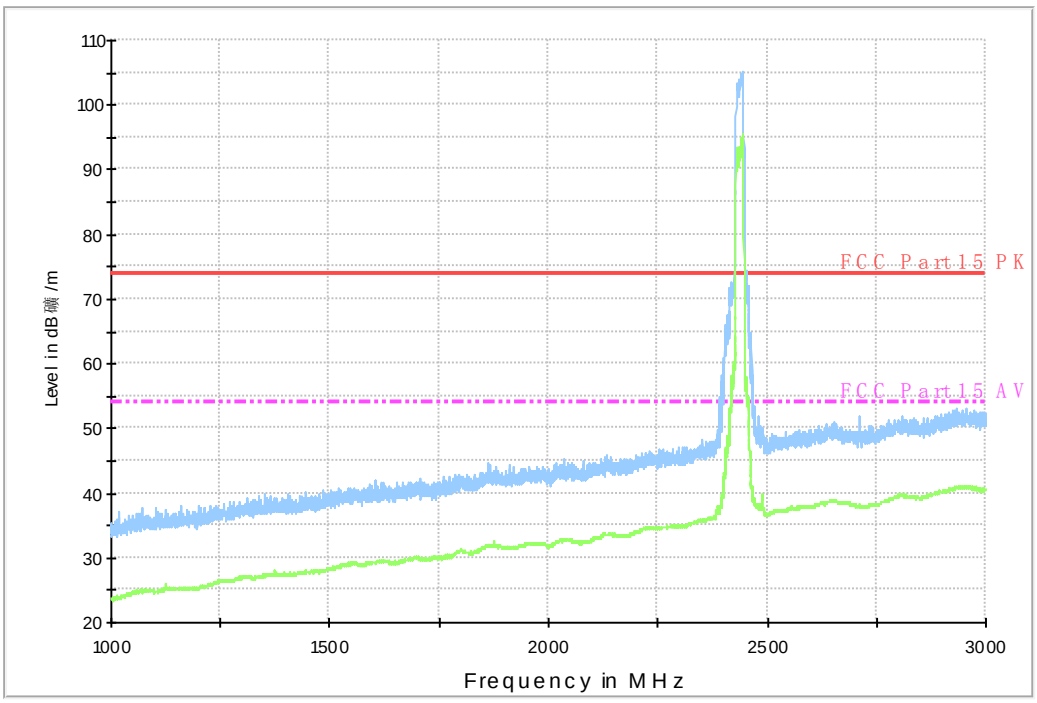

Fig.A.6.2.16 Transmitter Spurious Emission - Radiated (802.11g, Ch6, 1 GHz-3 GHz)

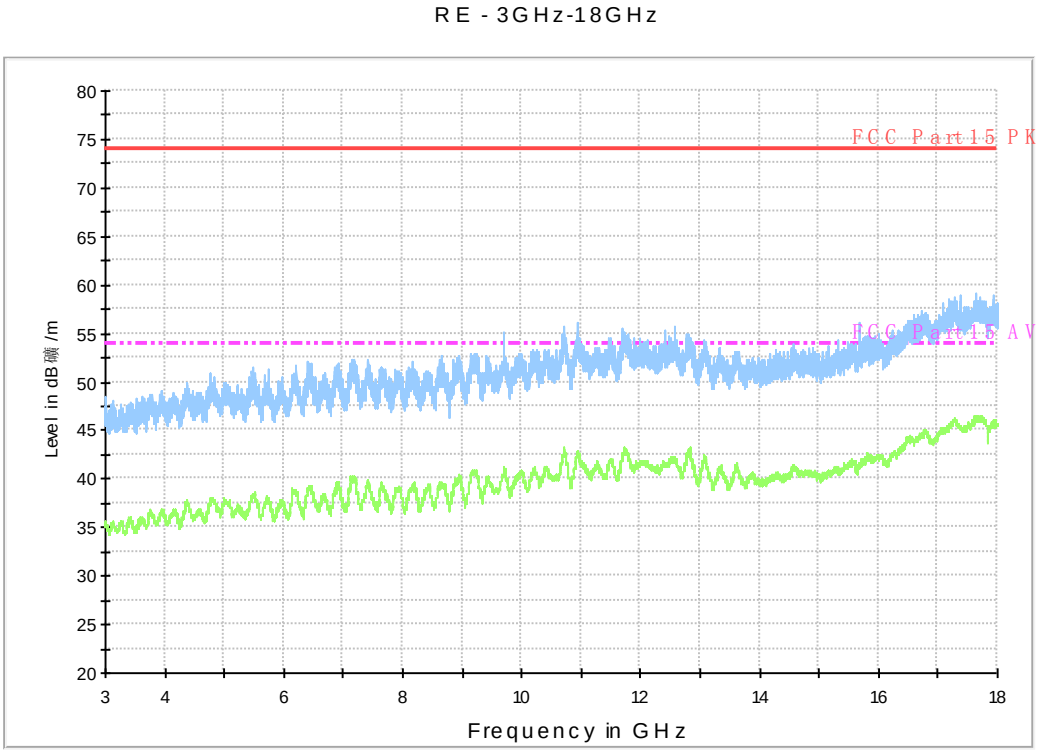

Fig.A.6.2.17 Transmitter Spurious Emission - Radiated (802.11g, Ch6, 3 GHz-18 GHz)

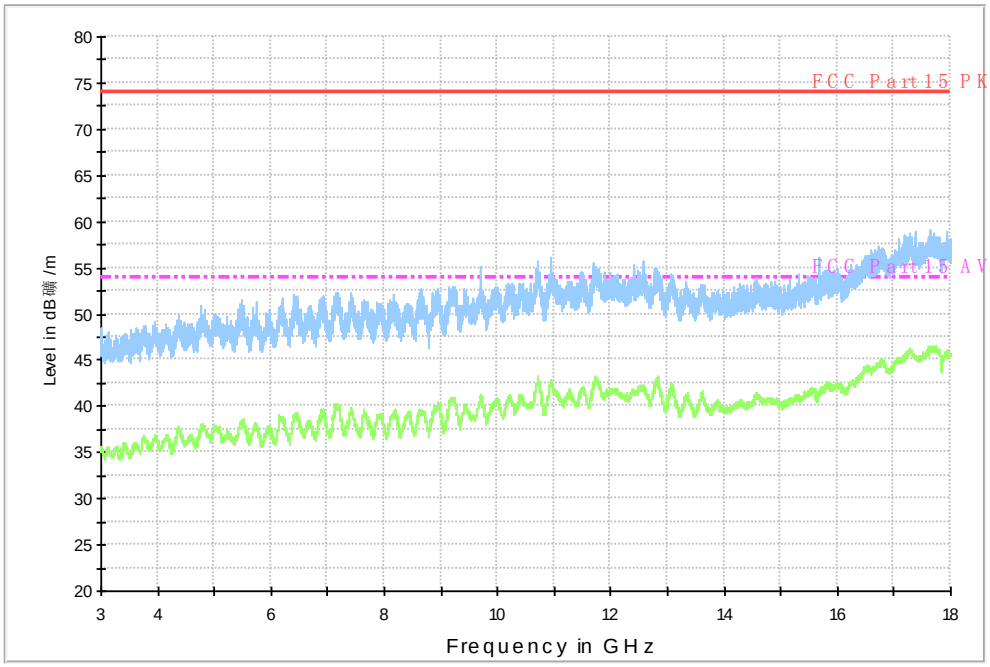

Fig.A.6.2.18 Transmitter Spurious Emission - Radiated (802.11g, Ch6, 18GHz – 26.5GHz)

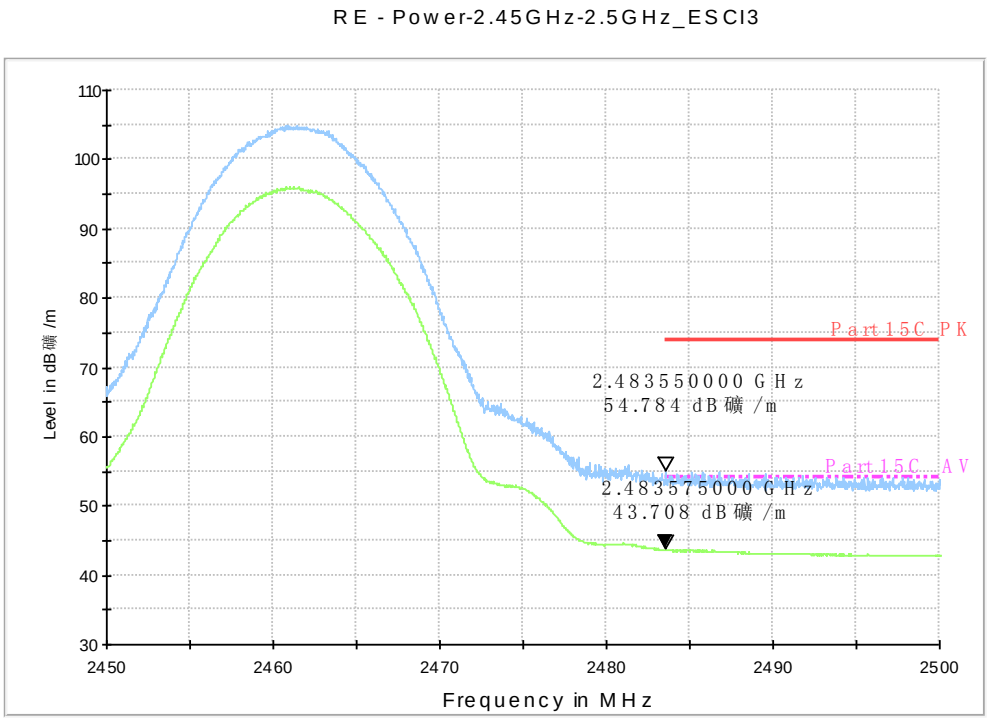

Fig.A.6.2.19 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

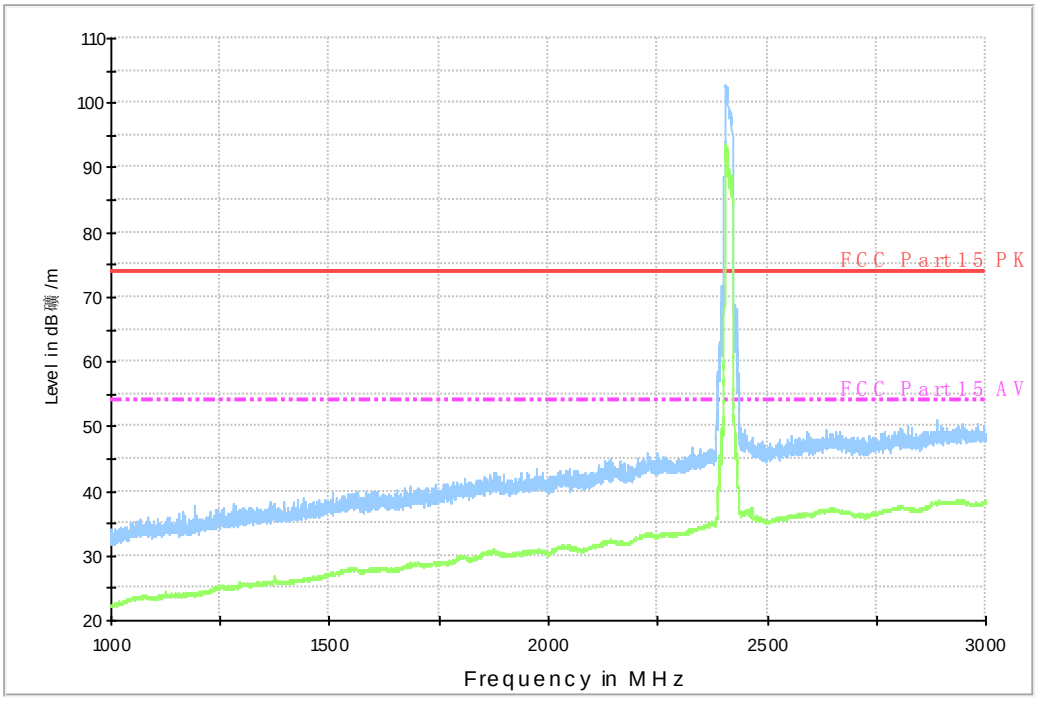

Fig.A.6.2.20 Transmitter Spurious Emission - Radiated (802.11g, Ch11, 1 GHz-3 GHz)

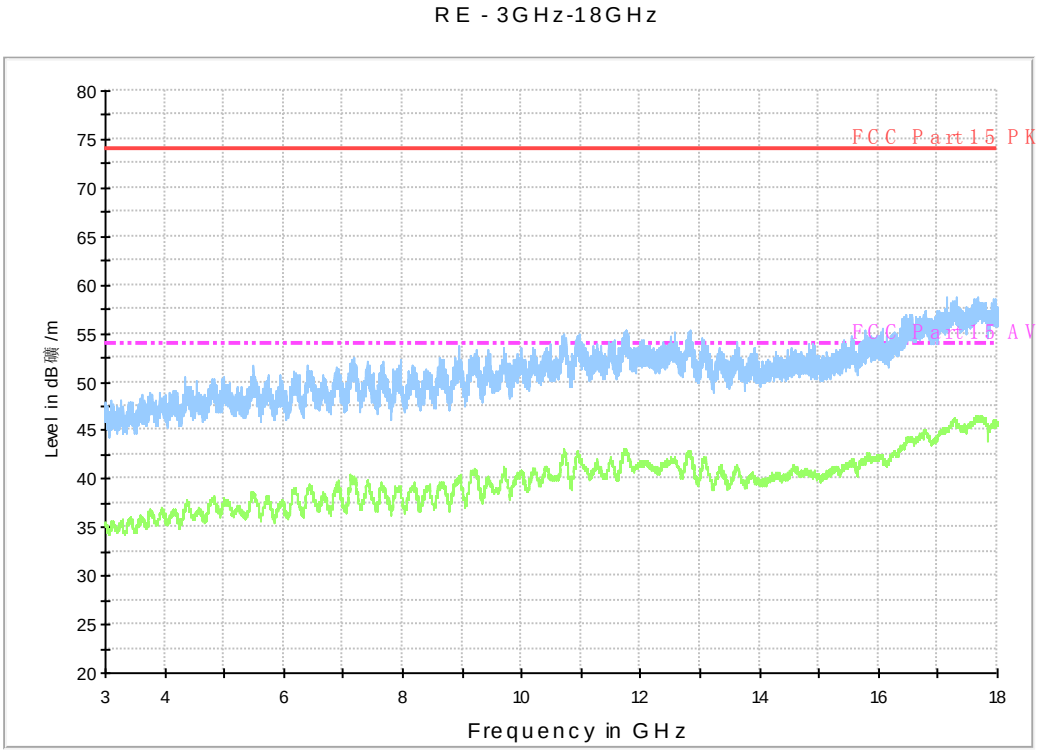

Fig.A.6.2.21 Transmitter Spurious Emission - Radiated (802.11g, Ch11, 3 GHz-18 GHz)

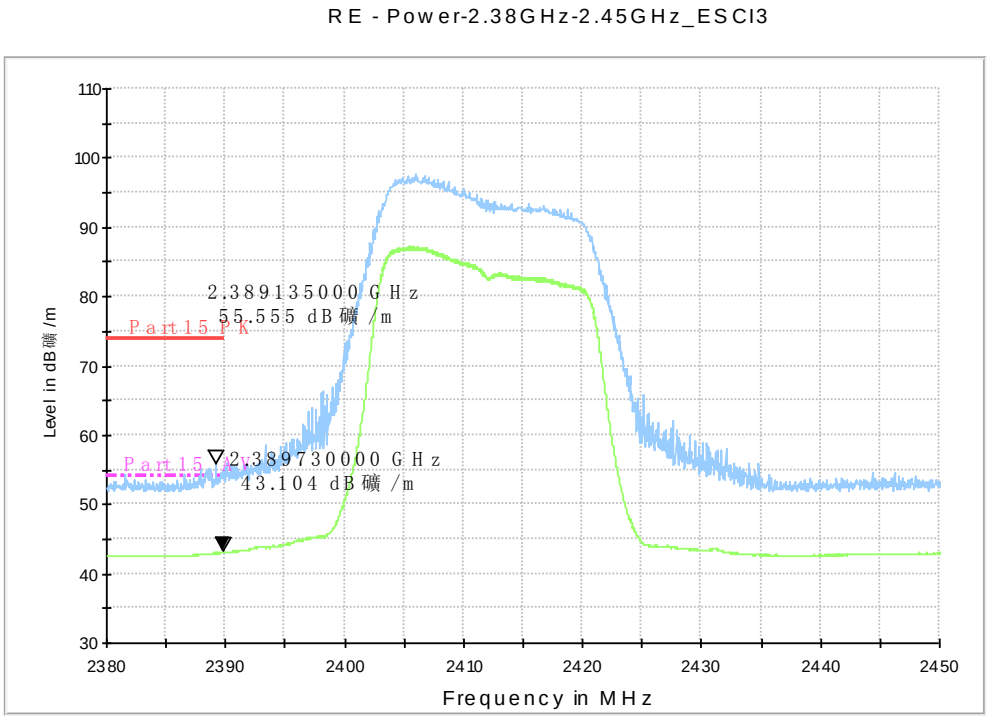

Fig.A.6.2.22 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

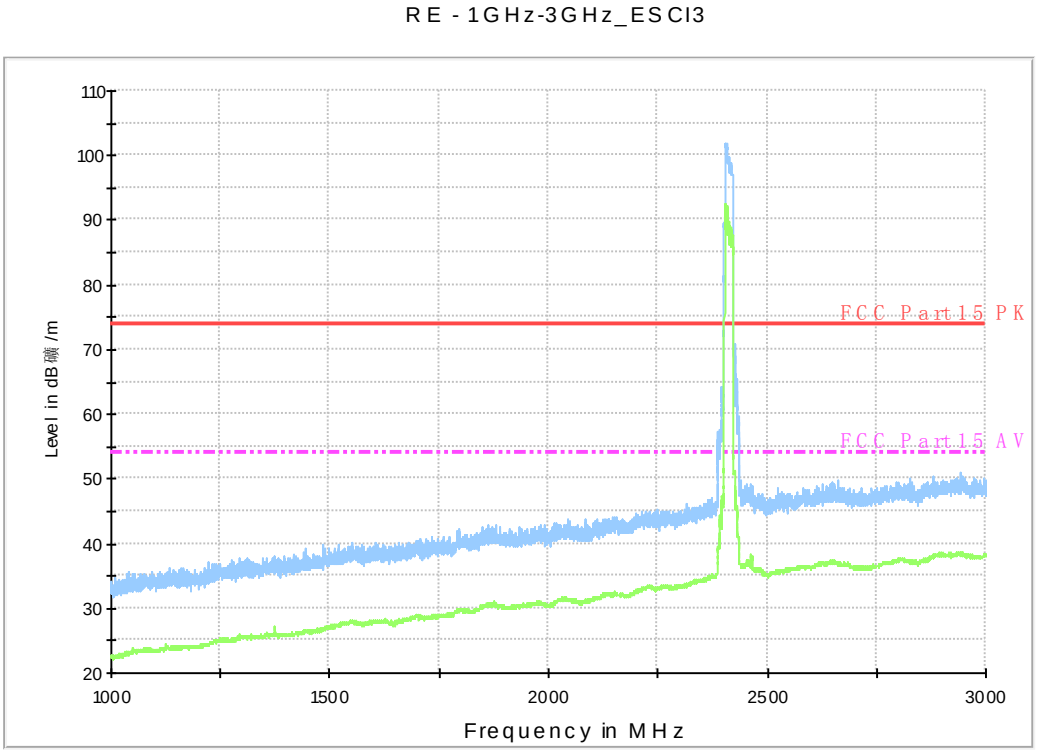

Fig.A.6.2.23 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch1, 1 GHz-3 GHz)

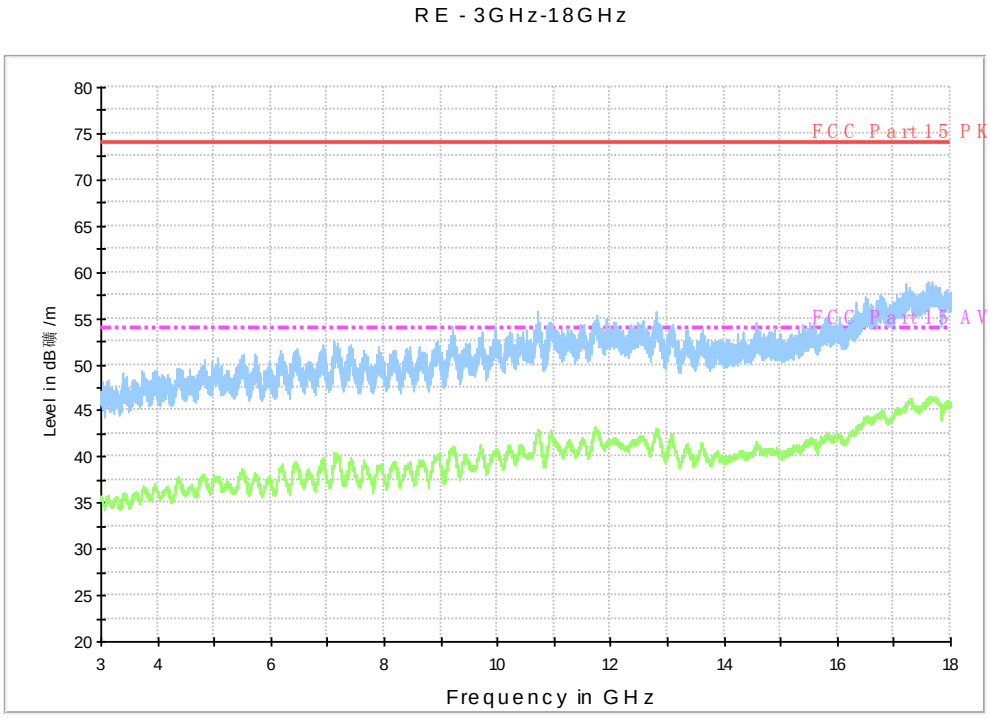

Fig.A.6.2.24 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch1, 3 GHz-18

GHz)

RE 30MHz-1GHz

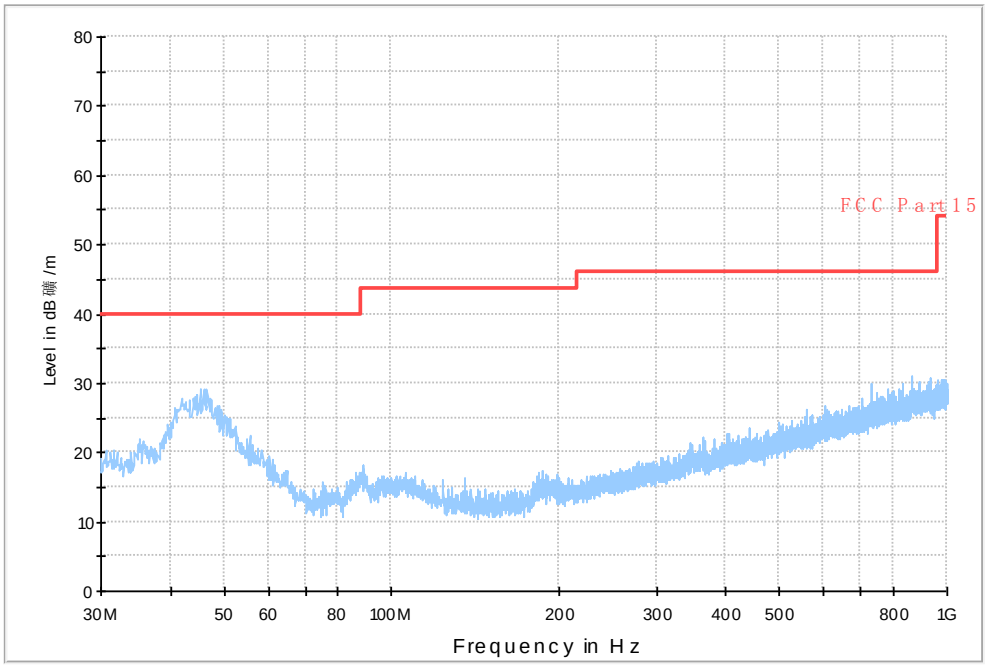

Fig.A.6.2.25 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch6, 30 MHz-1 GHz)

RE - 1GHz-3GHz_ESCI3

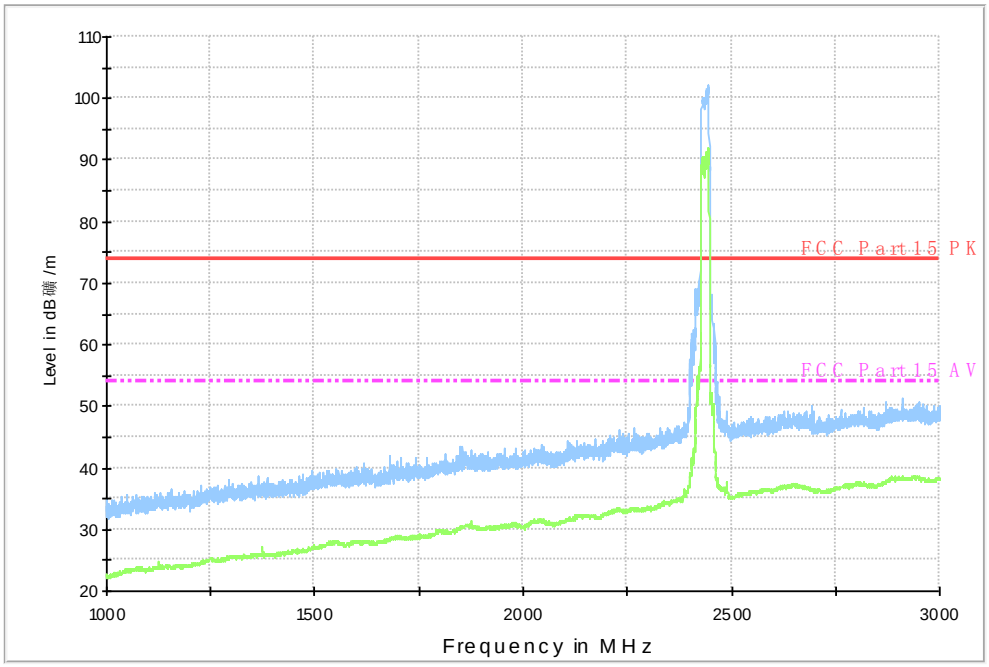

Fig.A.6.2.26 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch6, 1 GHz-3 GHz)

RE - 3GHz-18GHz

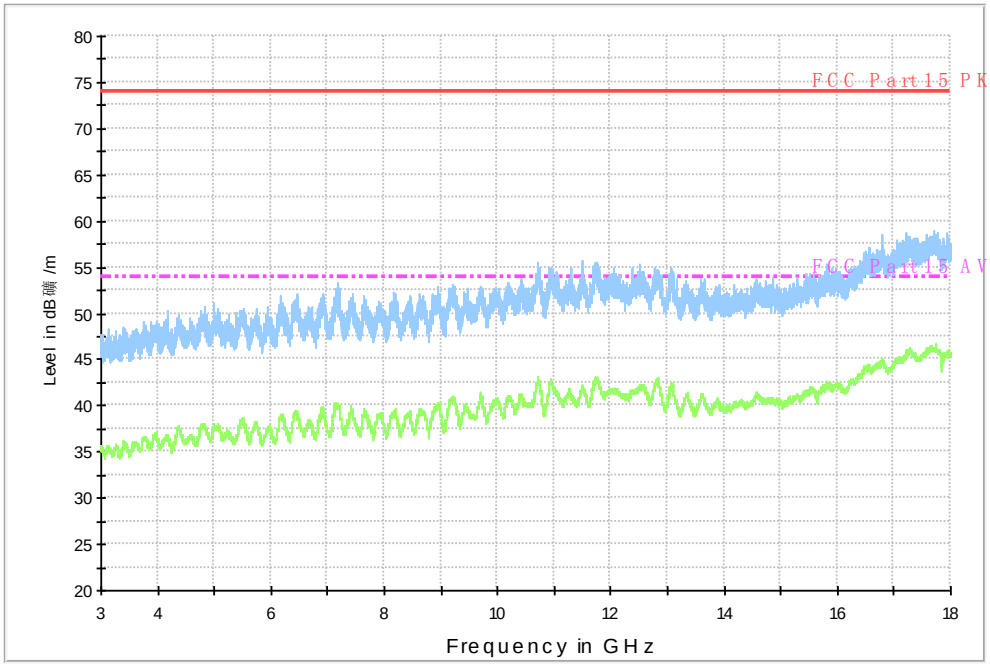

Fig.A.6.2.27 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch6, 3 GHz-18 GHz)

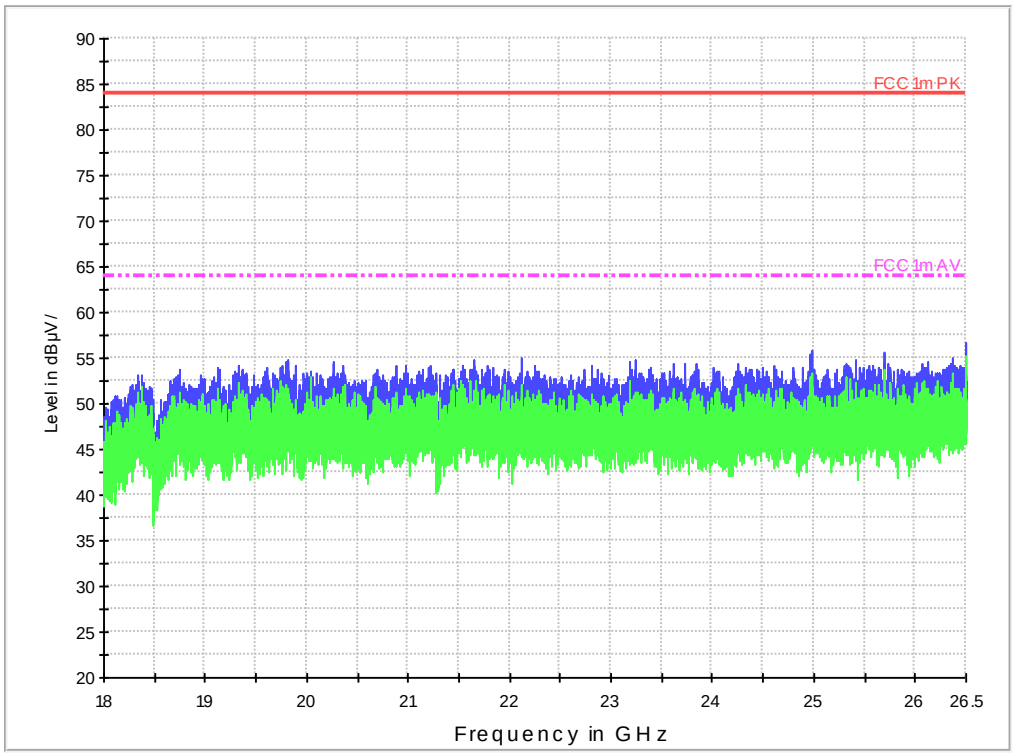

Fig.A.6.2.28 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch6, 18GHz –

26.5GHz)

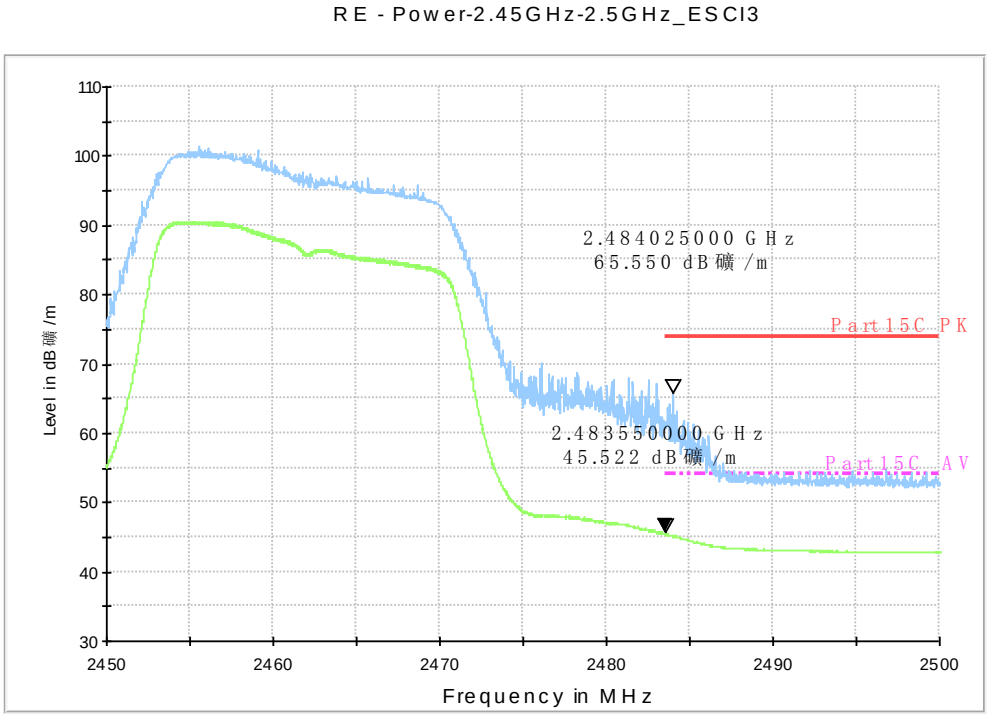

Fig.A.6.2.29 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

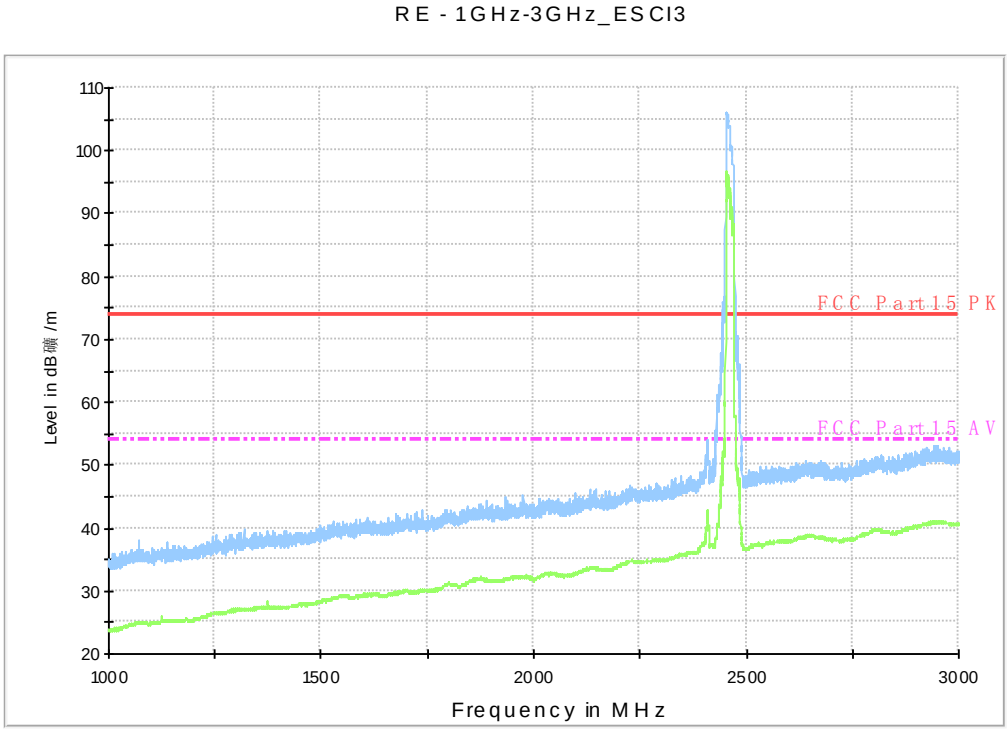

Fig.A.6.2.30 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch11, 1 GHz-3 GHz)

RE - 3GHz-18GHz

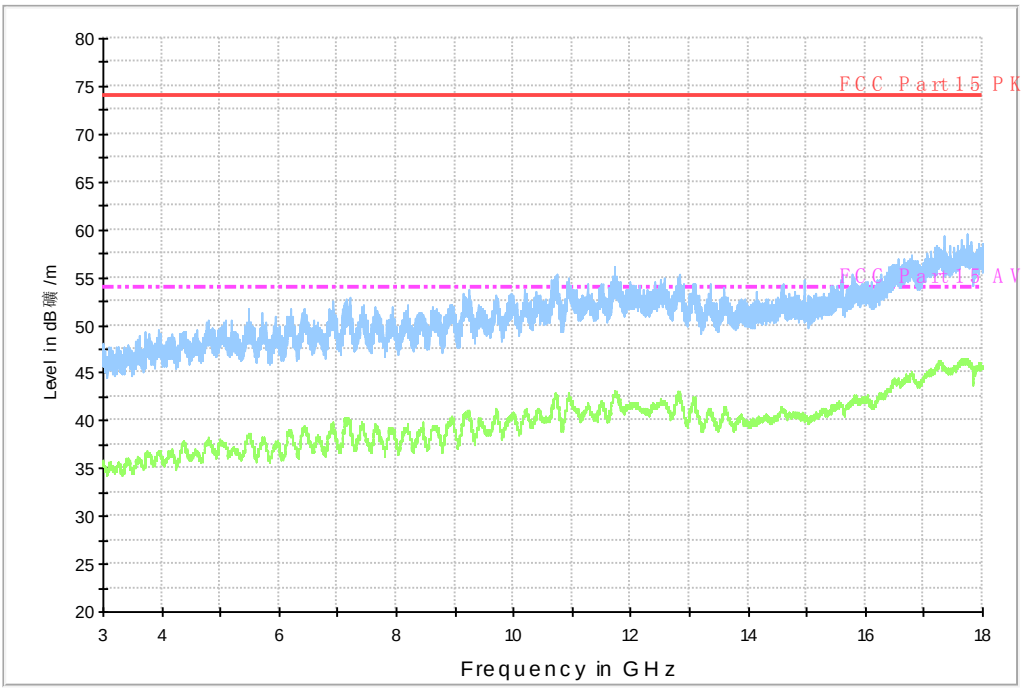

Fig.A.6.2.31 Transmitter Spurious Emission - Radiated (802.11n-HT20, Ch11, 3 GHz-18 GHz)

A.7. AC Power-line Conducted Emission

Method of Measurement: See ANSI C63.10-2013-clause 6.2

1 The one EUT cable configuration andarrangement and mode of operation that produced the emission with the highest amplitude relative to thelimit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.

2 Ifthe EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximizedat the final test location before final ac power-line conducted emission measurements areperformed.

3 The final test on all current-carrying conductors of all of the power cords to the equipment thatcomprises the EUT (but not the cords associated with other non-EUT equipment in the system) is thenperformed for the full frequency range for which the EUT is being tested for compliance without furthervariation of the EUT arrangement, cable positions, or EUT mode of operation.

4 If the EUT is comprised ofequipment units that have their own separate ac power connections, e.g., floor-standing equipment withindependent power cords for each shelf that are able to connect directly to the ac power network, eachcurrent-carrying conductor of one unit is measured while the other units are connected to a second (ormore) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, tosupply all of the units making up the EUT, only the conductors in the power cord of the power strip shall bemeasured.

5 If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy loadconnected to the antenna output terminals; otherwise, the tests shall be made with the antenna connectedand, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operatesbetween 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for themeasurements within the fundamental emission band of the transmitter, but only for those measurements.36Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of thepower cords of the equipment that comprises the EUT over the frequency range specified by the procuringor regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reportingrequirements.

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

Test graphs as below:

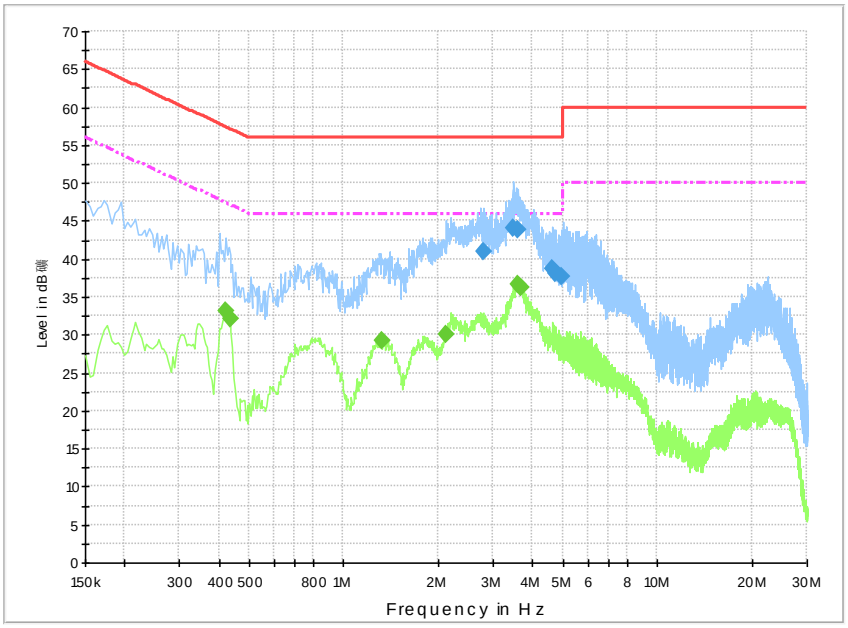

Fig.A.7.1 AC Powerline Conducted Emission-802.11b with CBA0066AG0C1

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

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.809500	40.9	GND	L1	10.4	15.1	56.0
3.493500	44.1	GND	L1	10.4	11.9	56.0
3.606000	44.0	GND	L1	10.4	12.0	56.0
4.650000	38.7	GND	L1	10.5	17.3	56.0
4.740000	38.0	GND	L1	10.5	18.0	56.0
4.965000	37.8	GND	L1	10.5	18.2	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.420000	33.2	GND	N	10.4	14.2	47.4
0.433500	32.1	GND	N	10.4	15.1	47.2
1.329000	29.2	GND	N	10.4	16.8	46.0
2.121000	30.0	GND	L1	10.4	16.0	46.0
3.592500	36.6	GND	L1	10.4	9.4	46.0
3.660000	36.1	GND	L1	10.4	9.9	46.0

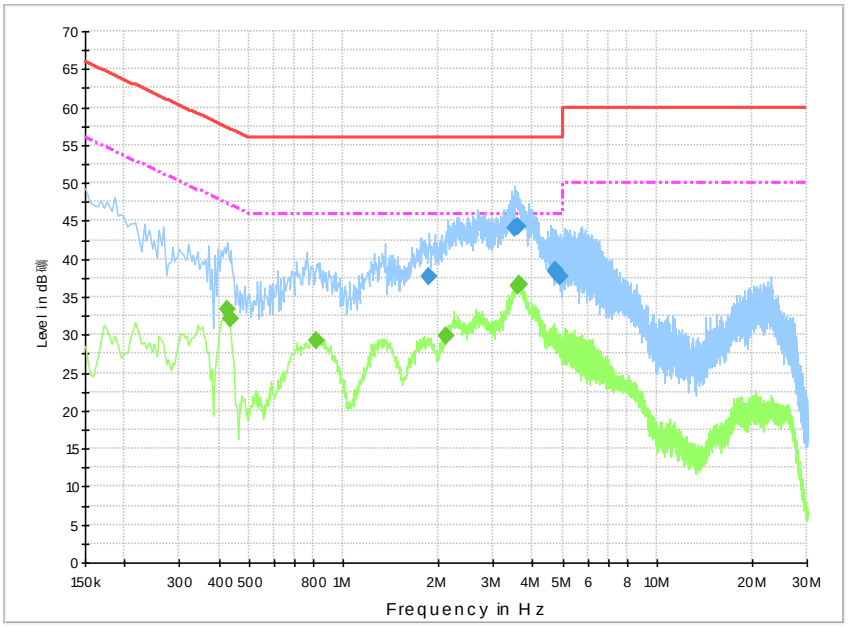

Fig.A.7.2 AC Powerline Conducted Emission-Idle with CBA0066AG0C1

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

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.878000	37.7	GND	N	10.4	18.3	56.0
3.507000	44.1	GND	L1	10.4	11.9	56.0
3.606000	44.3	GND	L1	10.4	11.7	56.0
4.713000	38.3	GND	L1	10.5	17.7	56.0
4.731000	38.4	GND	L1	10.5	17.6	56.0
4.897500	37.7	GND	L1	10.5	18.3	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.424500	33.4	GND	N	10.4	13.9	47.4
0.433500	32.1	GND	N	10.4	15.1	47.2
0.816000	29.3	GND	N	10.4	16.7	46.0
2.112000	29.8	GND	L1	10.4	16.2	46.0
3.583500	36.5	GND	L1	10.4	9.5	46.0
3.619500	36.6	GND	L1	10.4	9.4	46.0

*****END OF REPORT*****