Horizontal Direction:

802.11n HT20 CH1 (1GHz-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
15925.500000	49.45	---	74.00	24.55	H	14.9
16147.000000	---	36.67	54.00	17.33	V	15.3
16381.500000	49.93	---	74.00	24.07	V	15.4
16554.000000	---	37.43	54.00	16.57	V	16.0
16731.500000	50.45	---	74.00	23.55	V	16.2
16882.500000	---	37.51	54.00	16.49	V	16.2
17159.500000	---	37.71	54.00	16.29	V	16.3
17248.500000	50.77	---	74.00	23.23	V	16.2
17520.000000	---	37.77	54.00	16.23	V	16.5
17643.000000	50.54	---	74.00	23.46	V	16.8
17869.500000	50.35	---	74.00	23.65	V	17.6
17932.000000	---	38.80	54.00	15.20	V	17.6

Vertical Direction:

802.11g CH1 (1GHz-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
15869.500000	49.51	---	74.00	24.49	V	14.7
15902.000000	---	36.83	54.00	17.17	H	14.8
16190.500000	49.10	---	74.00	24.90	V	15.4
16492.500000	---	36.99	54.00	17.01	V	15.7
16664.500000	50.01	---	74.00	23.99	H	16.0
16905.500000	---	37.42	54.00	16.58	H	16.2
17096.000000	49.91	---	74.00	24.09	V	16.1
17219.000000	---	37.51	54.00	16.49	V	16.2
17560.500000	50.85	---	74.00	23.15	V	16.9
17654.000000	---	37.91	54.00	16.09	V	17.0
17791.500000	51.03	---	74.00	22.97	V	17.4
17888.000000	---	38.61	54.00	15.39	H	17.7

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”, and Antenna Factor, 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} +Cable Loss +Antenna Factor-Gain of the preamplifier.

See below for test graphs.
Conclusion: PASS

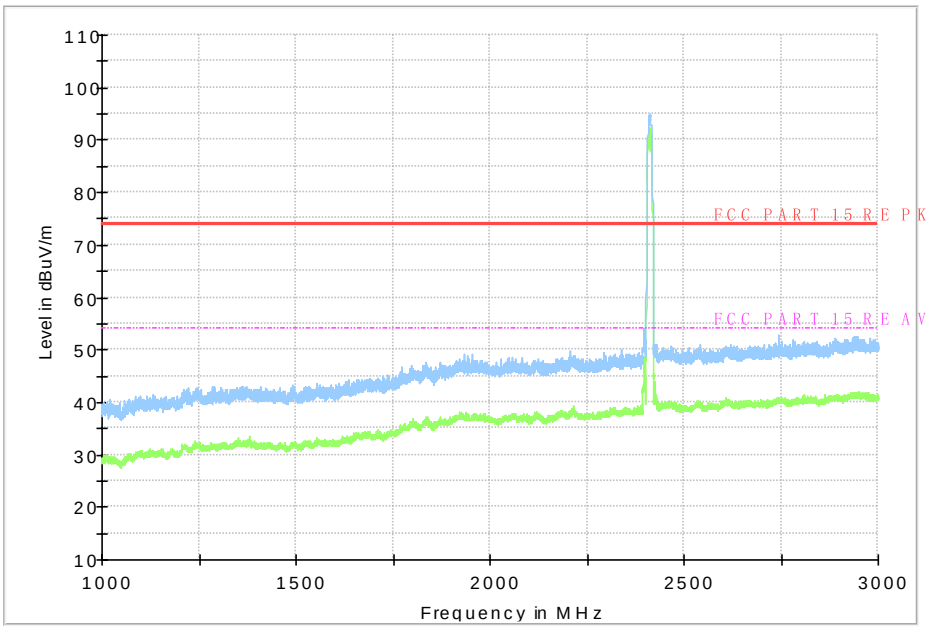

Fig.34 Radiated Spurious Emission (802.11b, Ch1, 1 GHz ~3 GHz, Horizontal Direction)

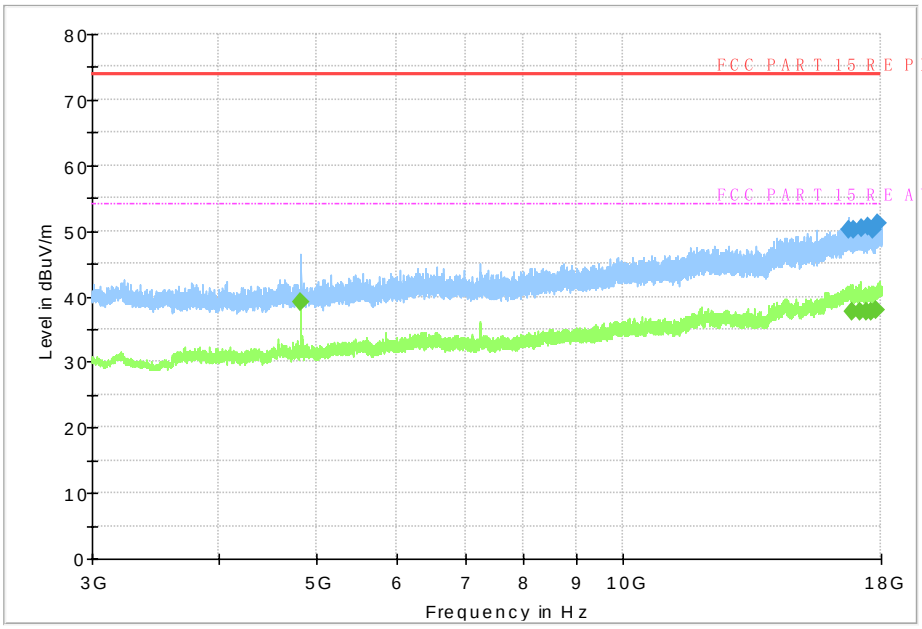

Fig.35 Radiated Spurious Emission (802.11b, Ch1, 3GHz ~18 GHz, Horizontal Direction)

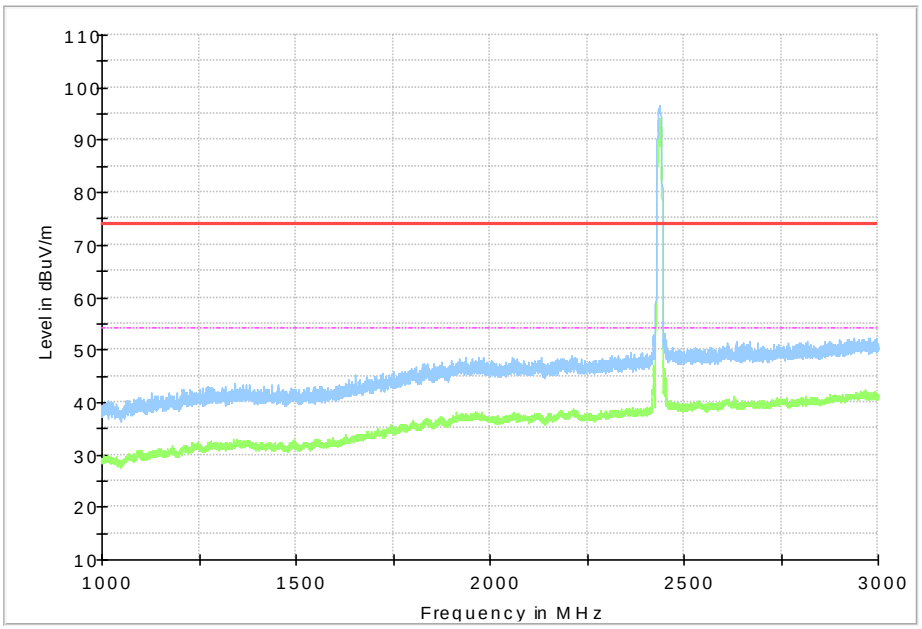

Fig.36 Radiated Spurious Emission (802.11b, Ch6, 1GHz ~3 GHz ,Horizontal Direction)

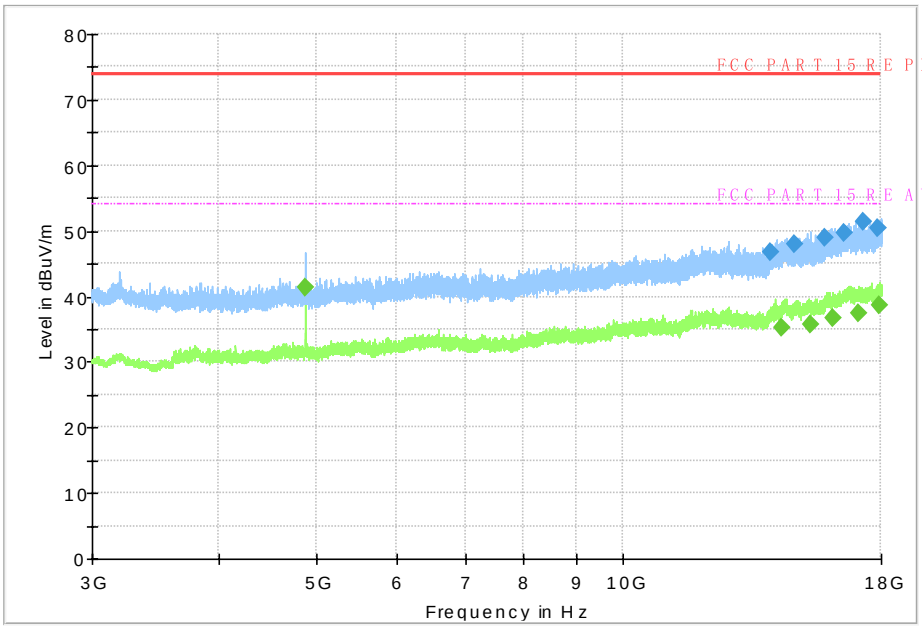

Fig.37 Radiated Spurious Emission (802.11b, Ch6, 3GHz ~18 GHz ,Horizontal Direction)

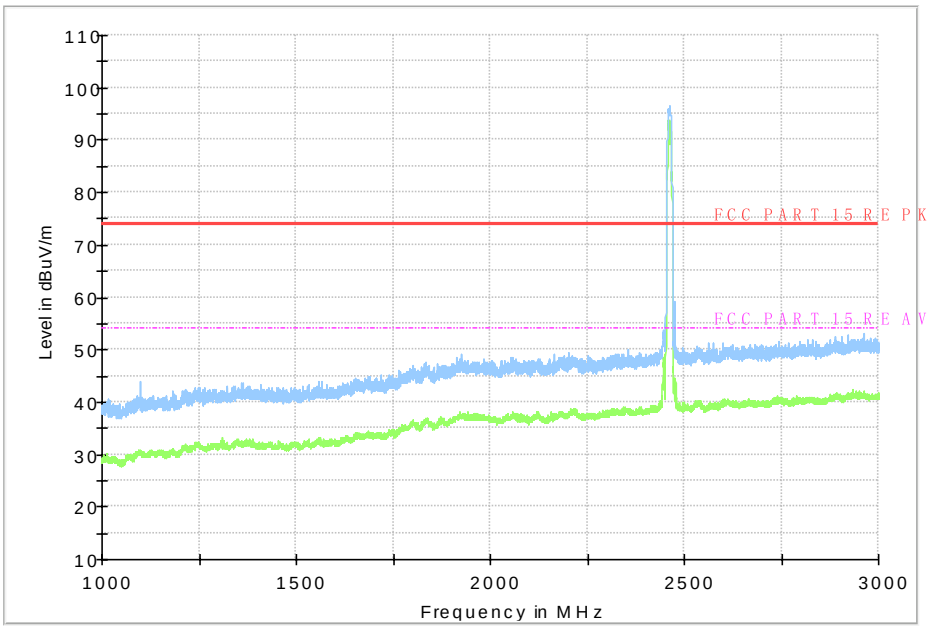

Fig.38 Radiated Spurious Emission (802.11b, Ch11, 1GHz ~3 GHz ,Horizontal Direction)

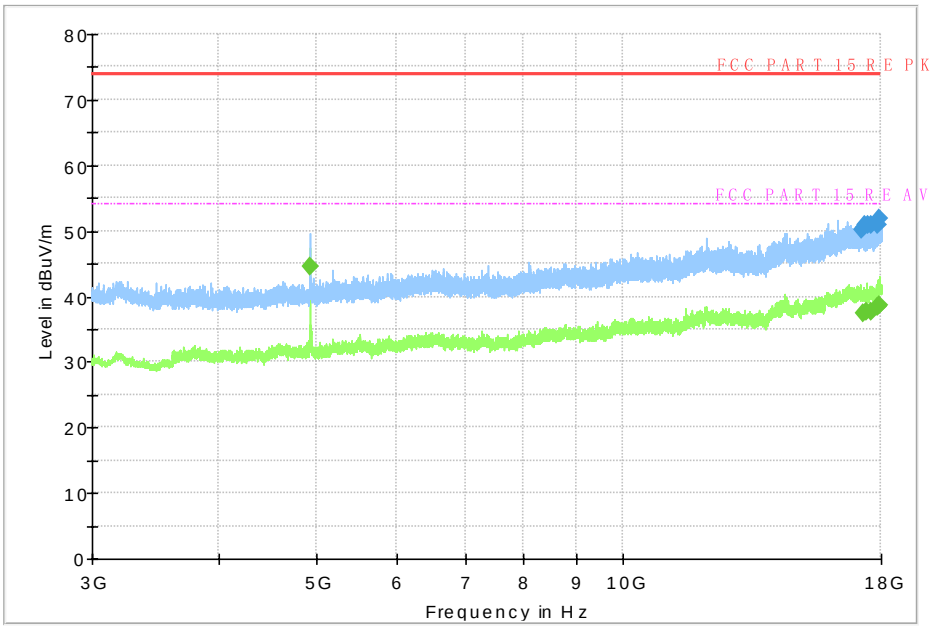

Fig.39 Radiated Spurious Emission (802.11b, Ch11, 3GHz ~18GHz , Horizontal Direction)

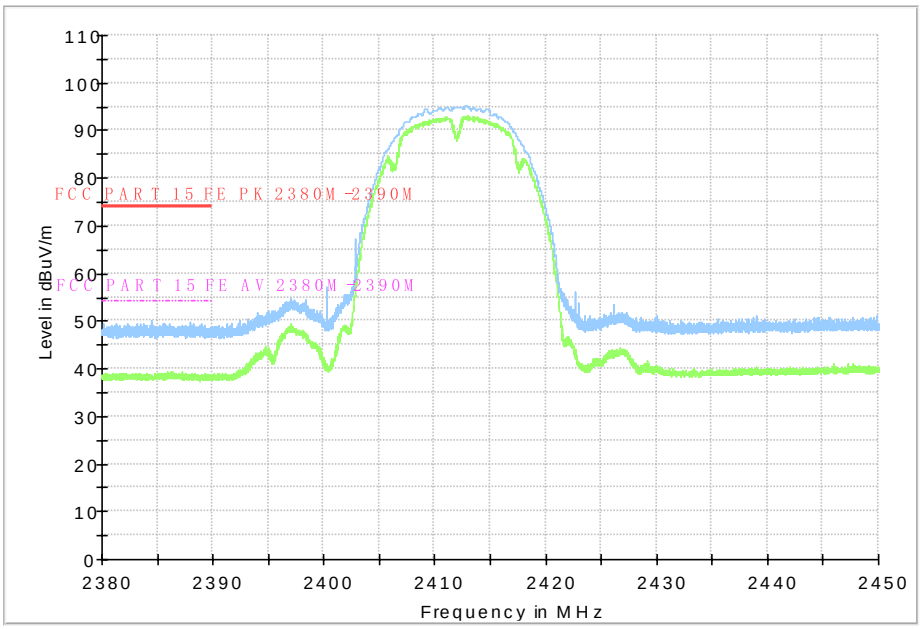

Fig.40 Radiated Band Edges (802.11b, Ch1, 2380GHz~2450GHz , Horizontal Direction)

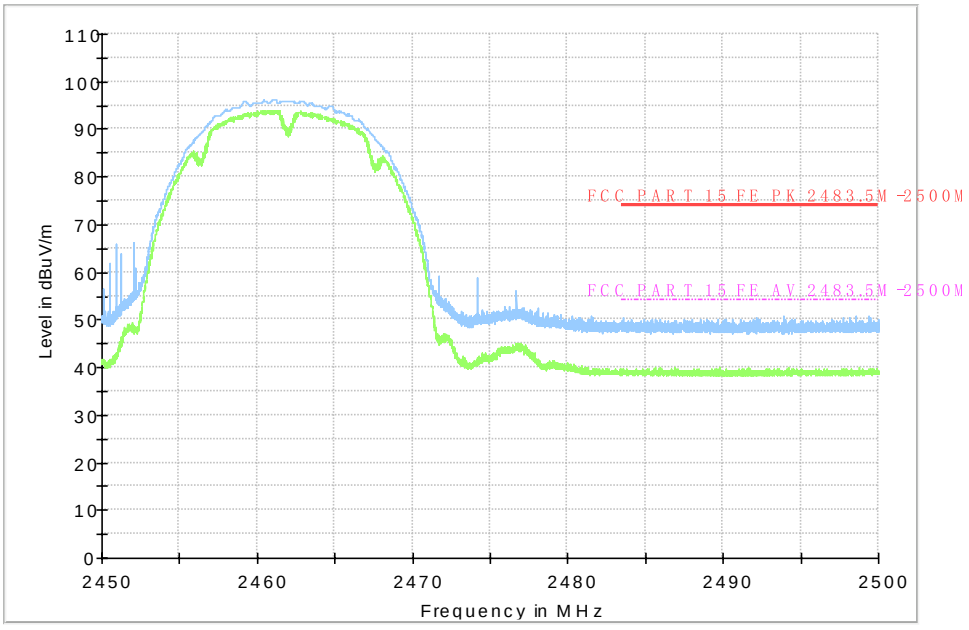

Fig.41 Radiated Band Edges (802.11b, Ch11, 2450GHz~2500GHz , Horizontal Direction)

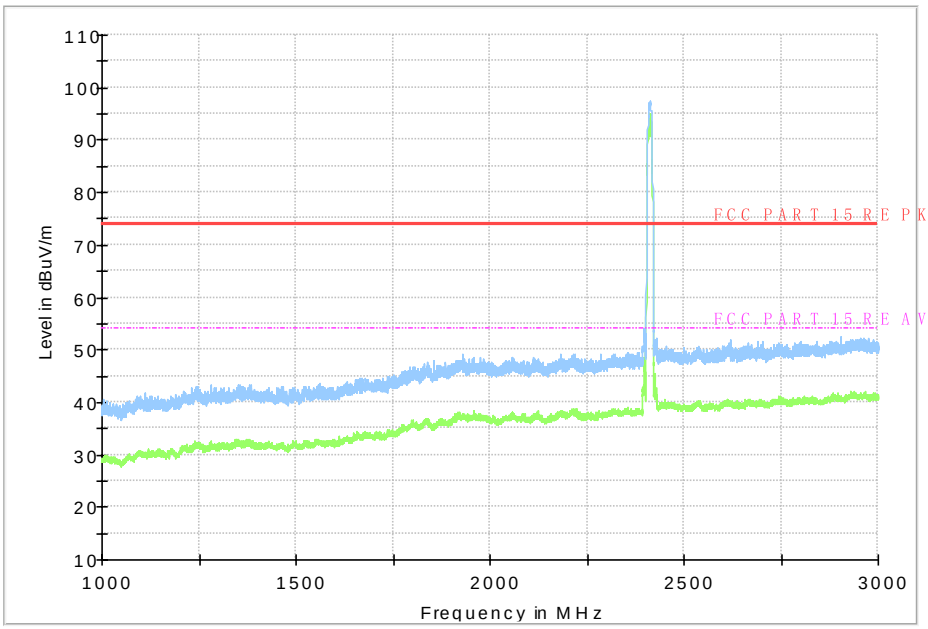

Fig.42 Radiated Spurious Emission (802.11b, Ch1, 1GHz ~3GHz , Vertical Direction)

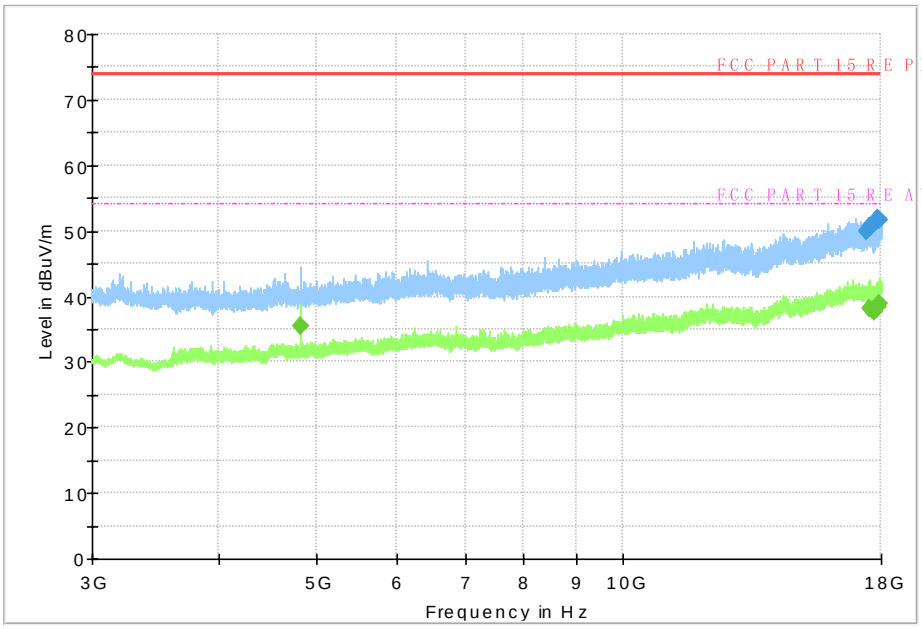

Fig.43 Radiated Spurious Emission (802.11b, Ch1, 3GHz ~18GHz , Vertical Direction)

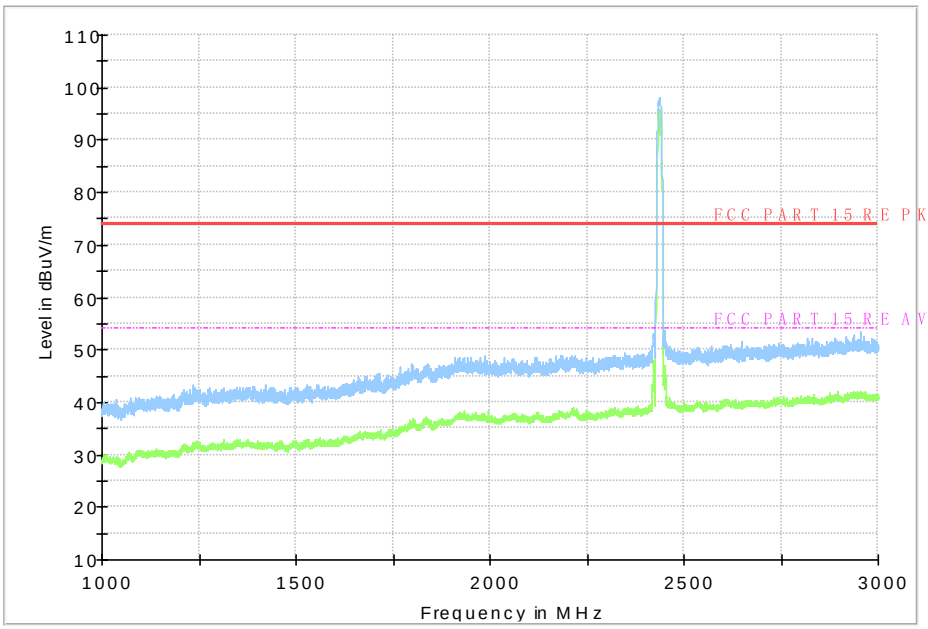

Fig.44 Radiated Spurious Emission (802.11b, Ch6, 1GHz ~3GHz , Vertical Direction)

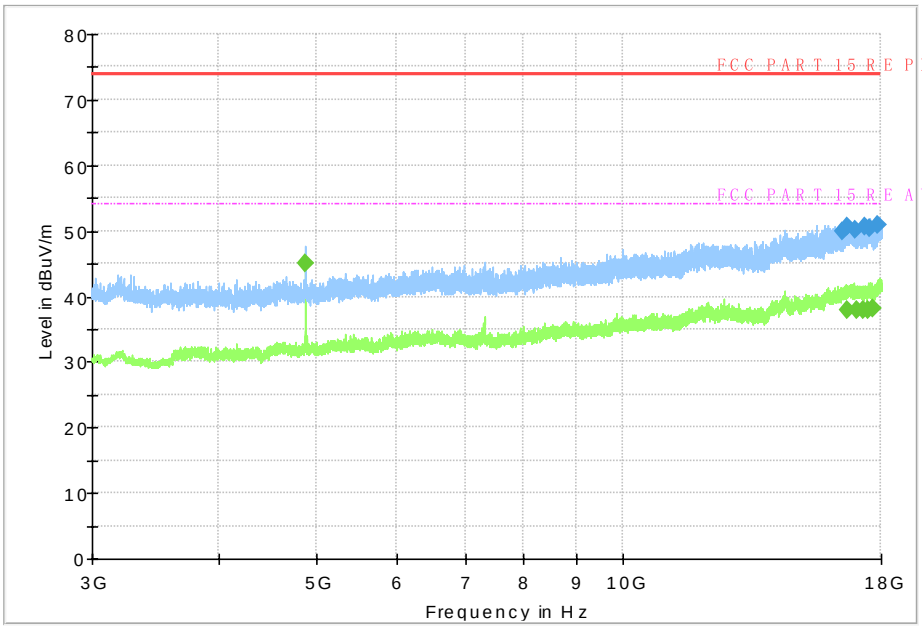

Fig.45 Radiated Spurious Emission (802.11b, Ch6, 3GHz ~18GHz , Vertical Direction)

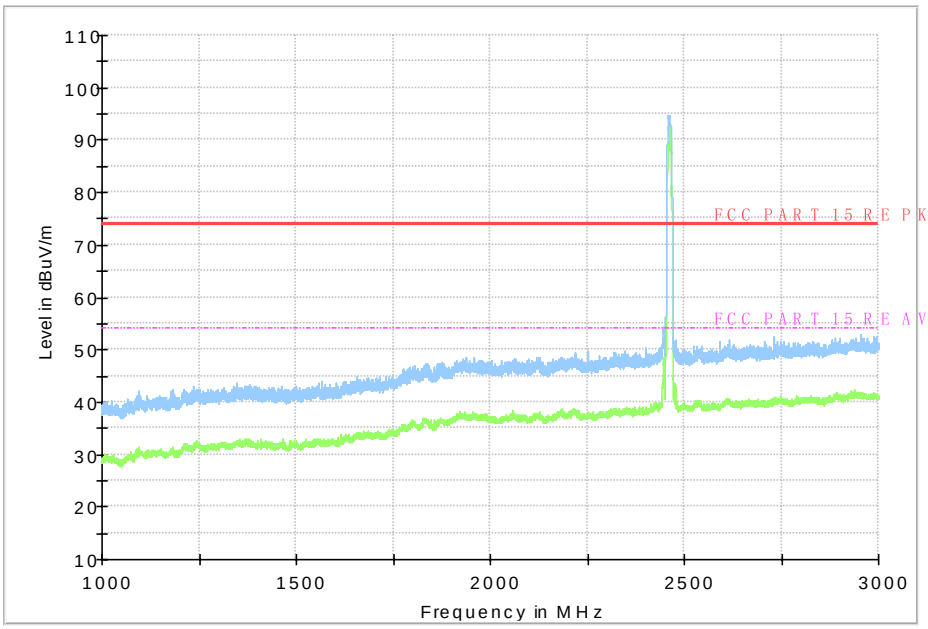

Fig.46 Radiated Spurious Emission (802.11b, Ch11, 1GHz ~3GHz , Vertical Direction)

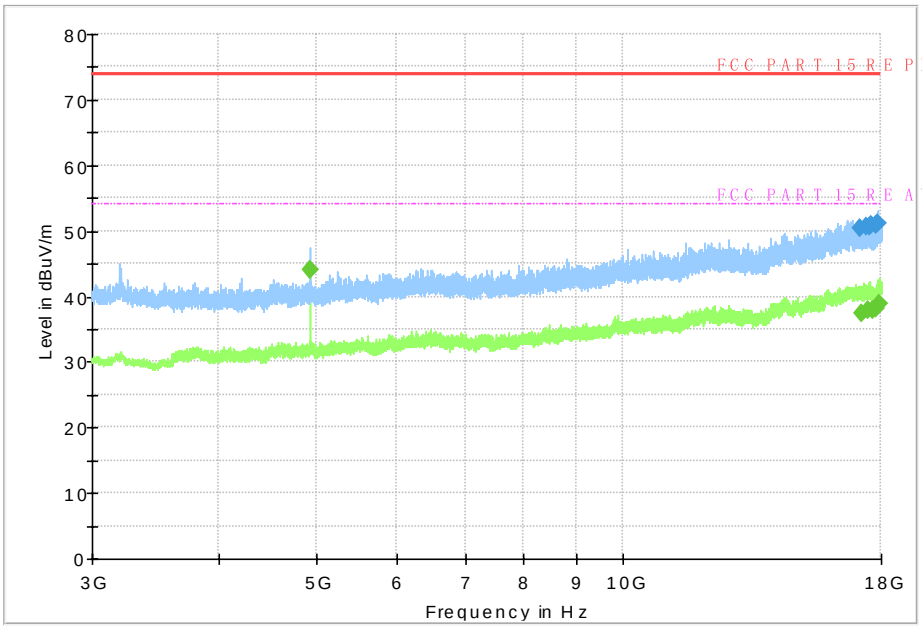

Fig.47 Radiated Spurious Emission (802.11b, Ch11, 3GHz ~18GHz , Vertical Direction)

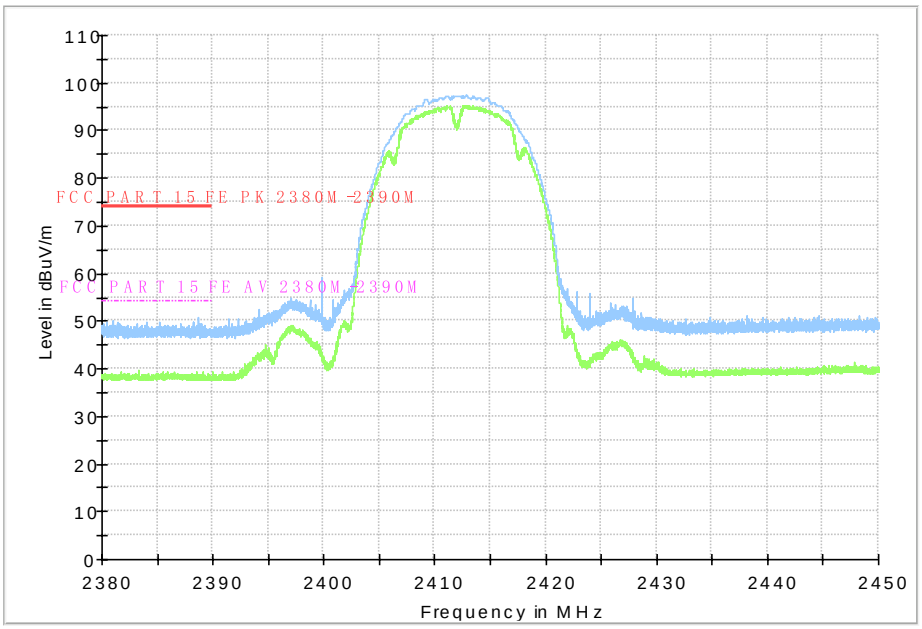

Fig.48 Radiated Band Edges (802.11b, Ch1, 2380GHz~2450GHz ,Vertical Direction)

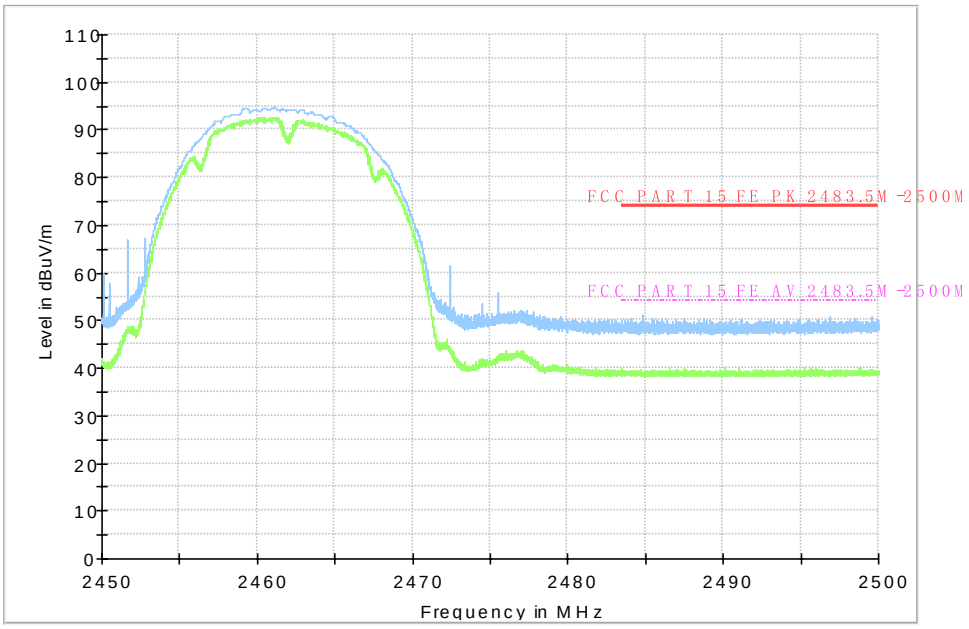

Fig.49 Radiated Band Edges (802.11b, Ch11, 2450GHz~2500GHz, Vertical Direction)

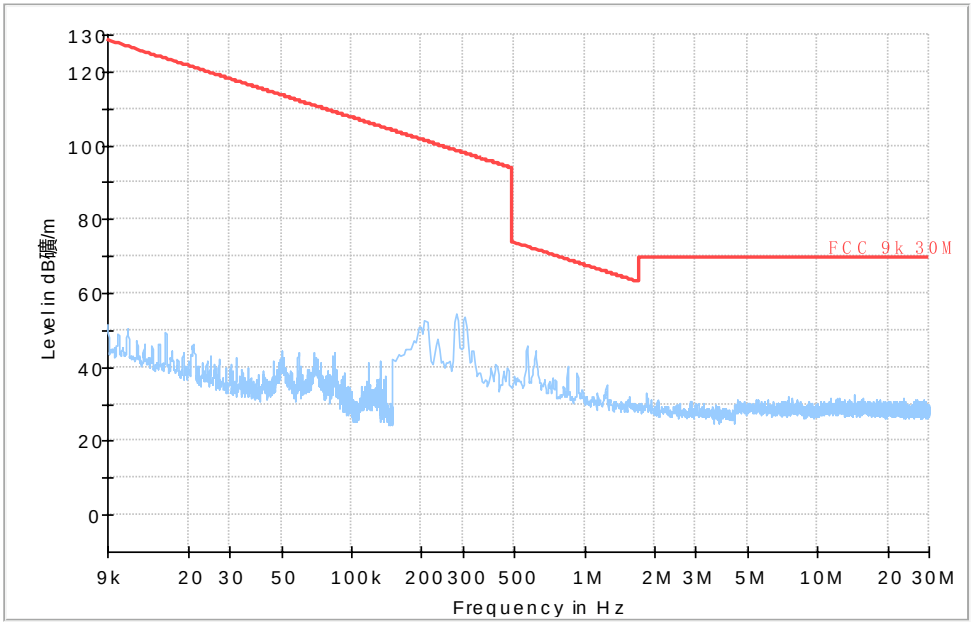

Fig.50 Radiated Spurious Emission (802.11b, All Channels, 9 kHz-30 MHz)

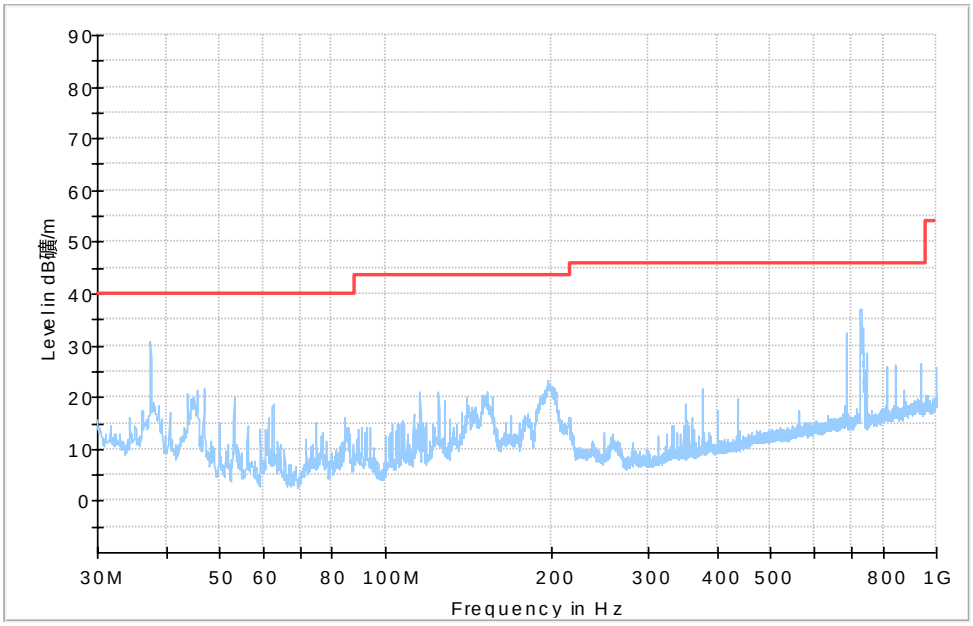

Fig.51 Radiated Spurious Emission (802.11b, All Channels, 30 MHz ~1 GHz)

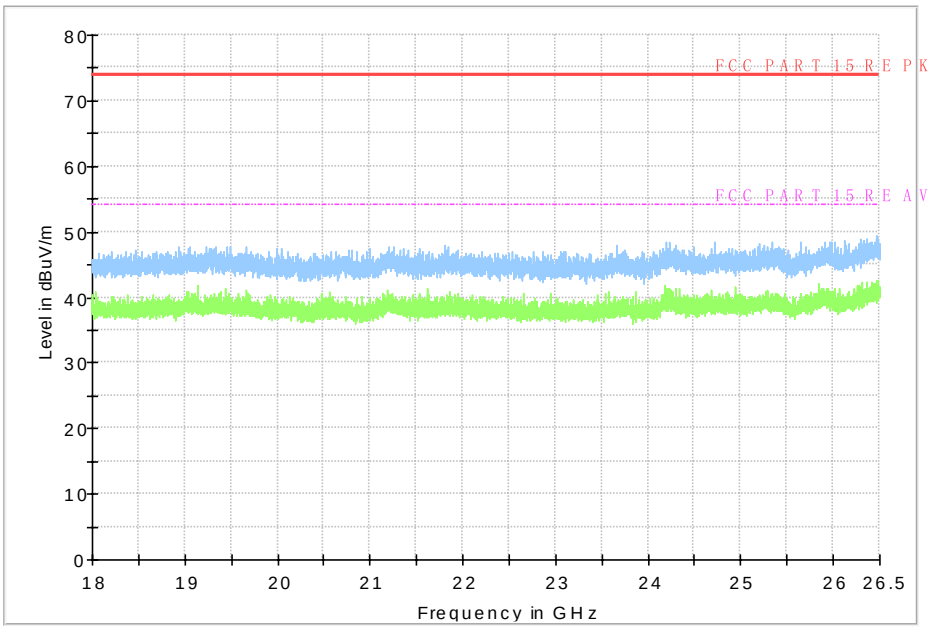

Fig.52 Radiated Spurious Emission (802.11b, All Channels, 18 GHz~ 26.5 GHz)

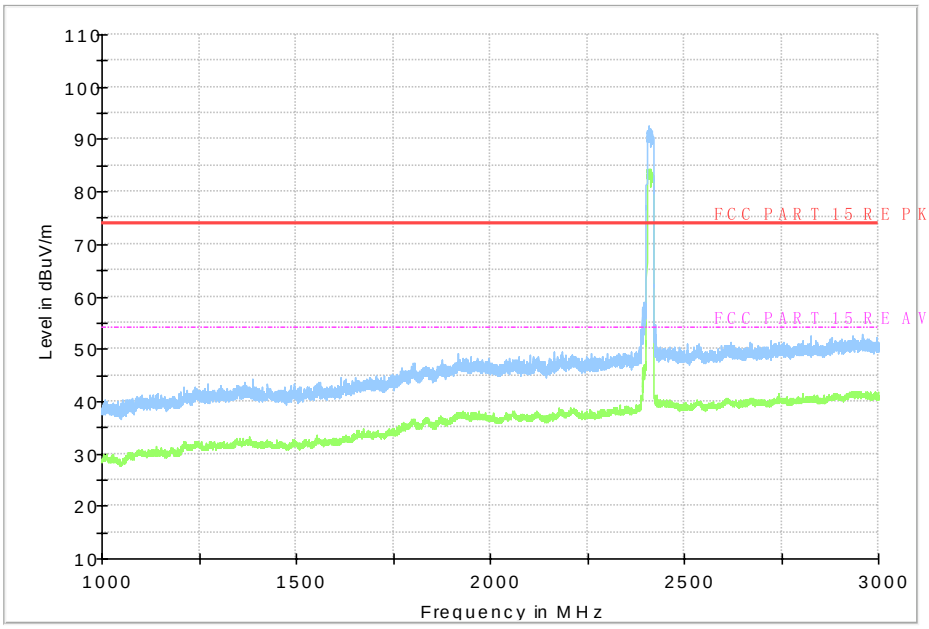

Fig.53 Radiated Spurious Emission (802.11g, Ch1, 1 GHz ~3 GHz, Horizontal Direction)

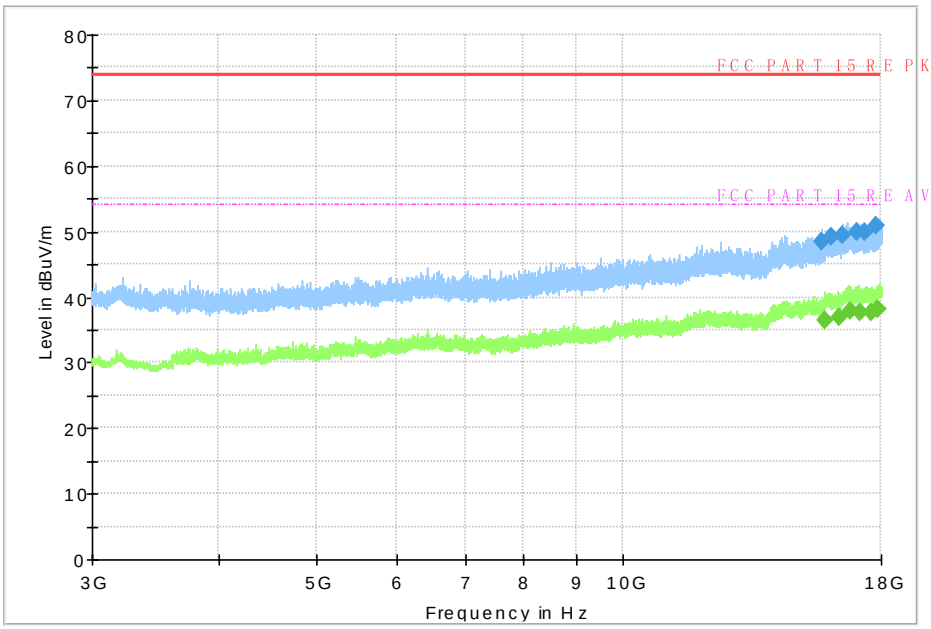

Fig.54 Radiated Spurious Emission (802.11g, Ch1, 3GHz ~18 GHz, Horizontal Direction)

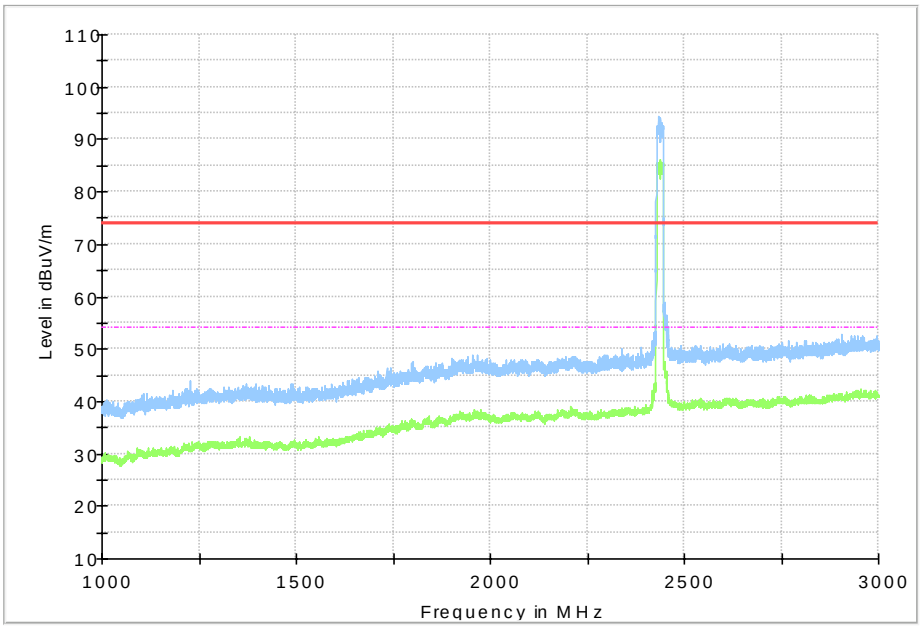

Fig.55 Radiated Spurious Emission (802.11g, Ch6, 1GHz ~3 GHz ,Horizontal Direction)

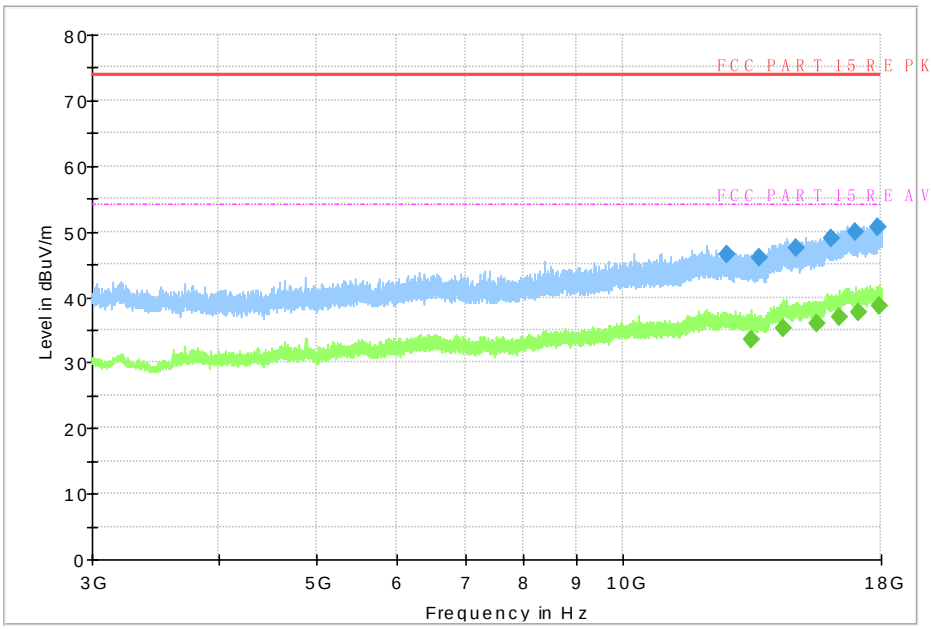

Fig.56 Radiated Spurious Emission (802.11g, Ch6, 3GHz ~18 GHz ,Horizontal Direction)

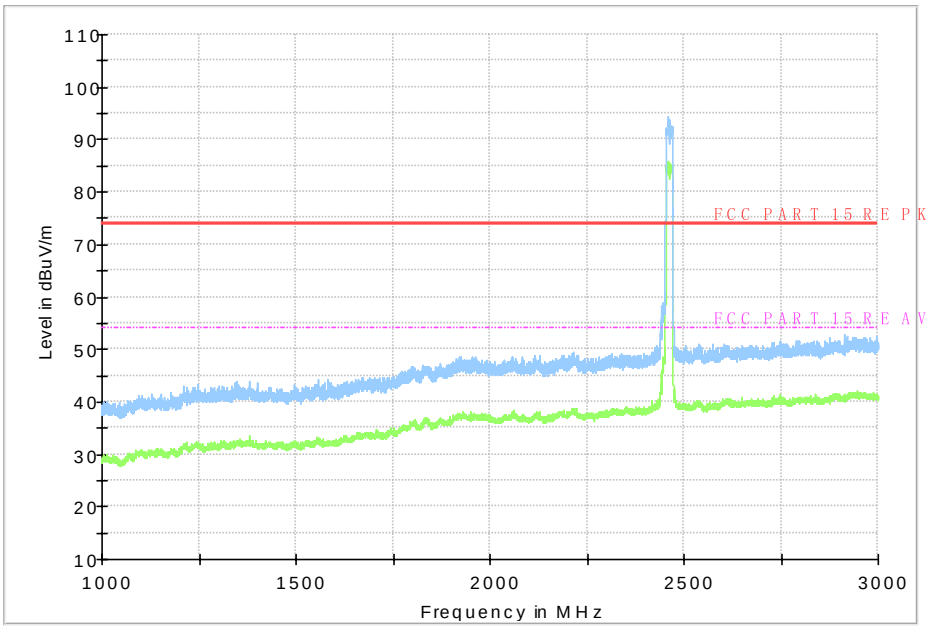

Fig.57 Radiated Spurious Emission (802.11g, Ch11, 1GHz ~3 GHz ,Horizontal Direction)

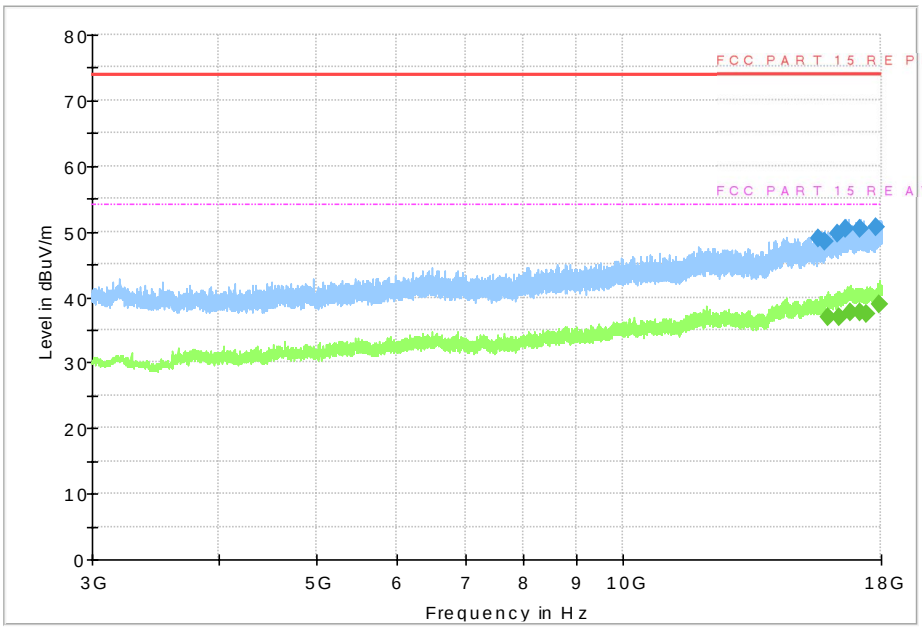

Fig.58 Radiated Spurious Emission (802.11g, Ch11, 3GHz ~18GHz , Horizontal Direction)

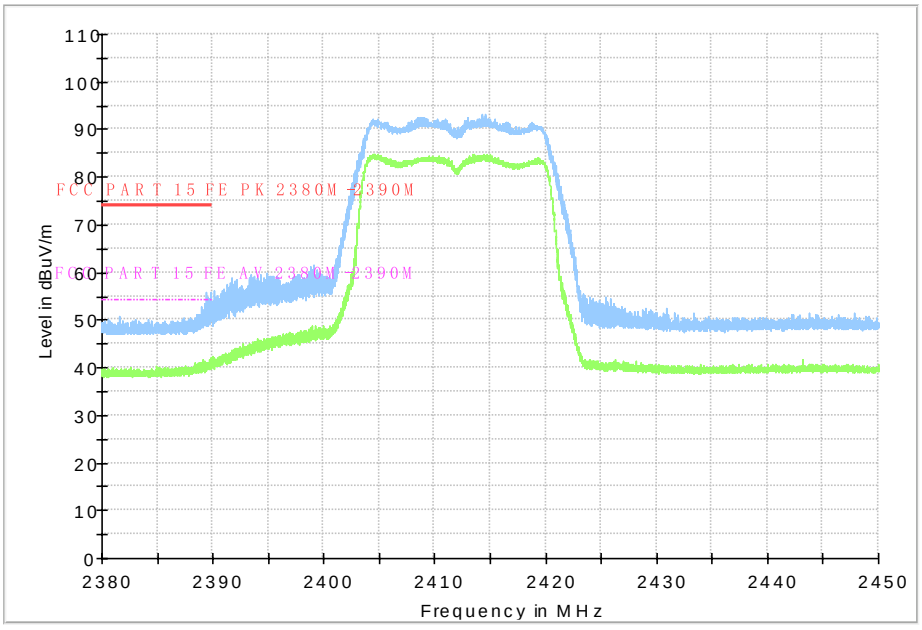

Fig.59 Radiated Band Edges (802.11g, Ch1, 2380GHz~2450GHz , Horizontal Direction)

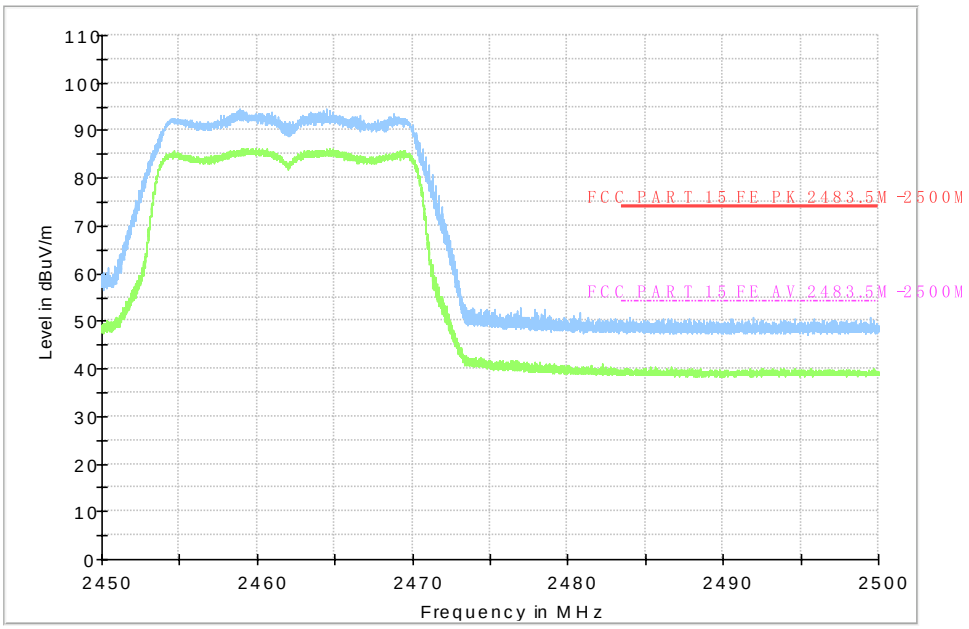

Fig.60 Radiated Band Edges (802.11g, Ch11, 2450GHz~2500GHz , Horizontal Direction)

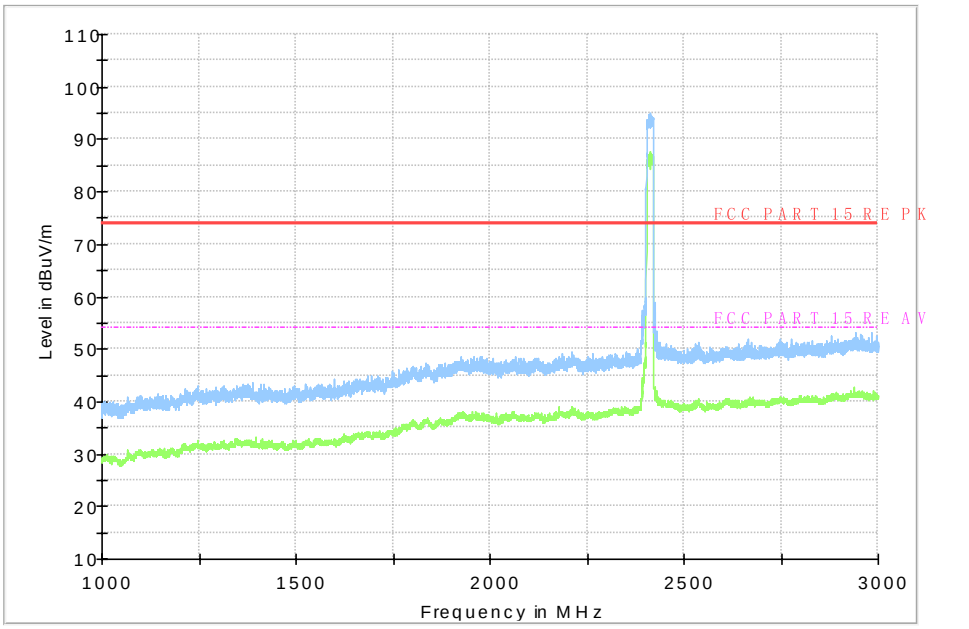

Fig.61 Radiated Spurious Emission (802.11g, Ch1, 1GHz ~3GHz , Vertical Direction)

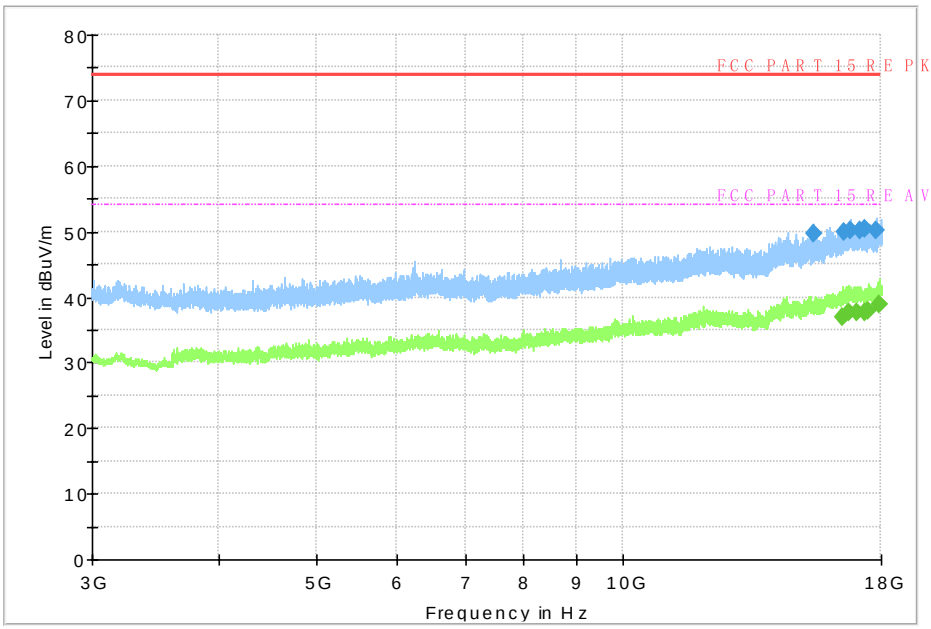

Fig.62 Radiated Spurious Emission (802.11g, Ch1, 3GHz ~18GHz , Vertical Direction)

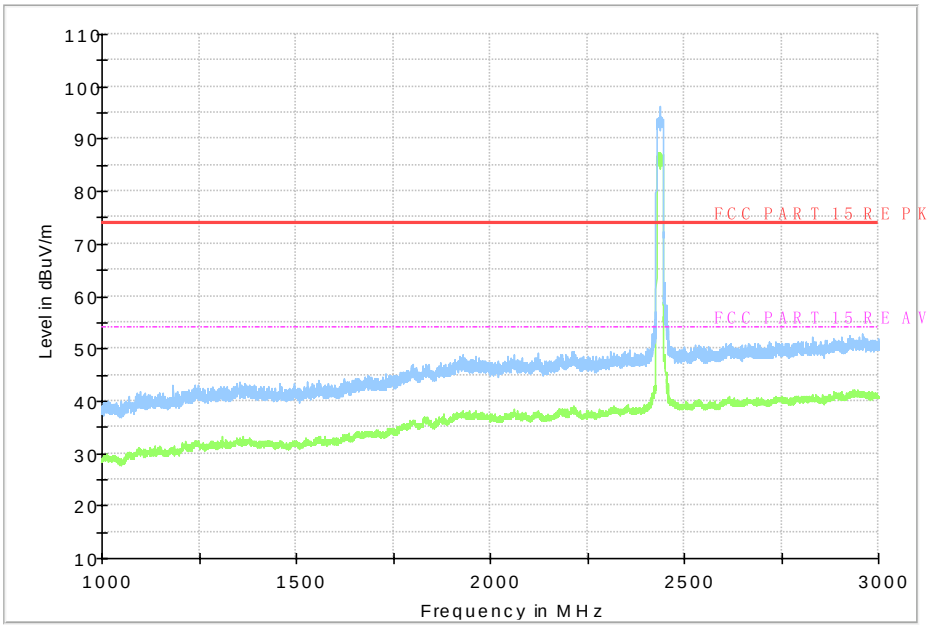

Fig.63 Radiated Spurious Emission (802.11g, Ch6, 1GHz ~3GHz , Vertical Direction)

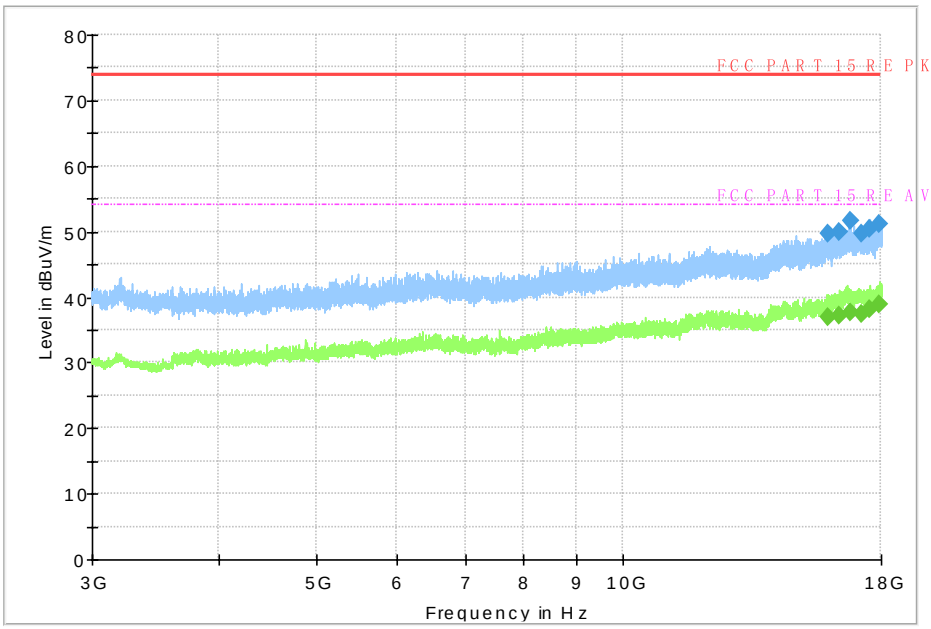

Fig.64 Radiated Spurious Emission (802.11g, Ch6, 3GHz ~18GHz , Vertical Direction)

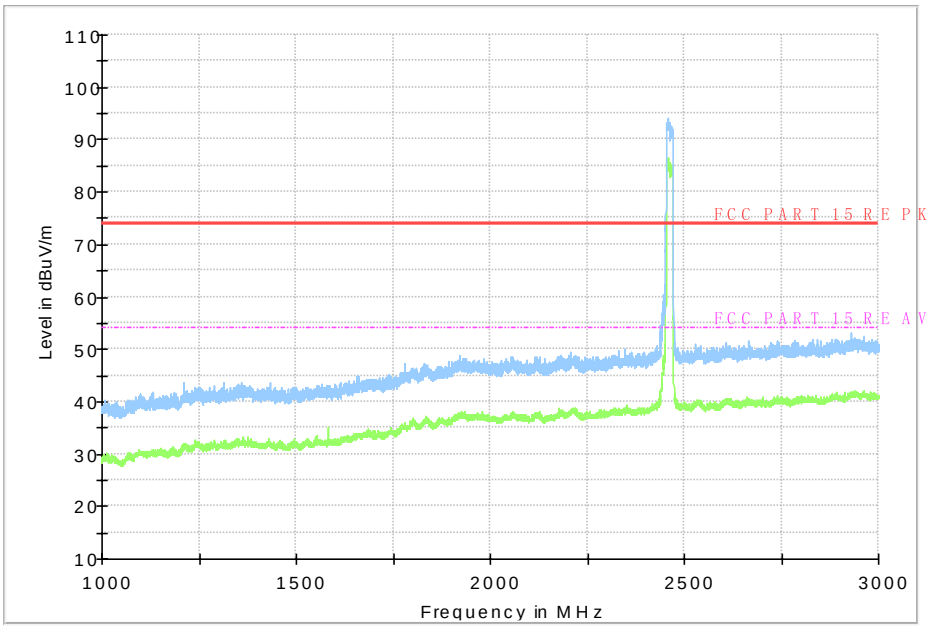

Fig.65 Radiated Spurious Emission (802.11g, Ch11, 1GHz ~3GHz , Vertical Direction)

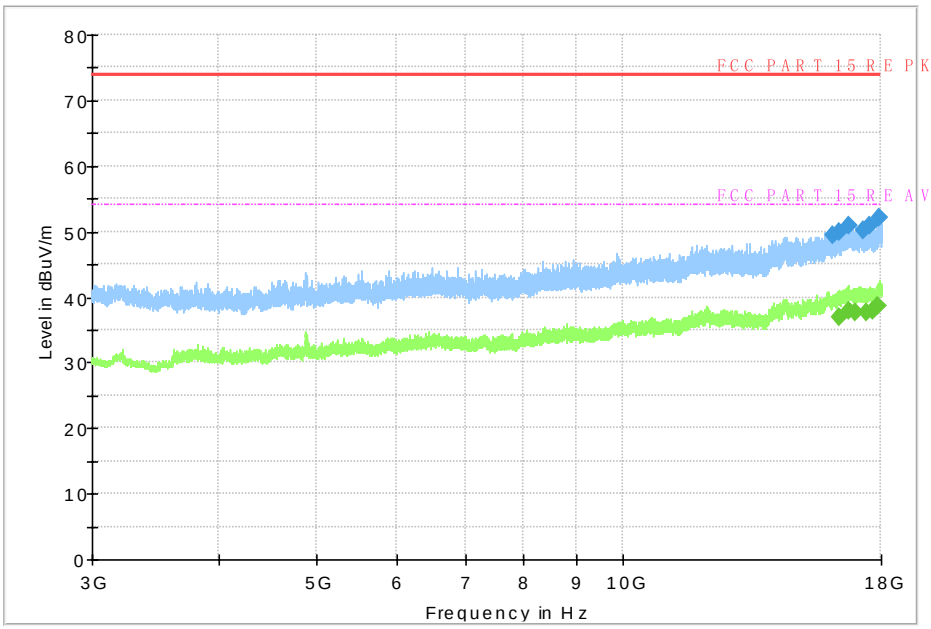

Fig.66 Radiated Spurious Emission (802.11g, Ch11, 3GHz ~18GHz , Vertical Direction)

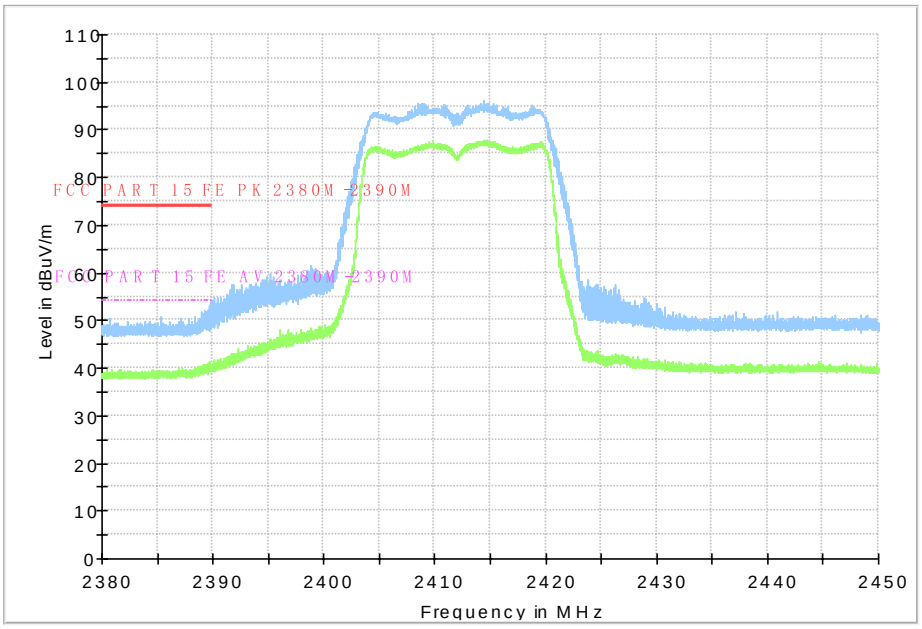

Fig.67 Radiated Band Edges (802.11g, Ch1, 2380GHz~2450GHz ,Vertical Direction)

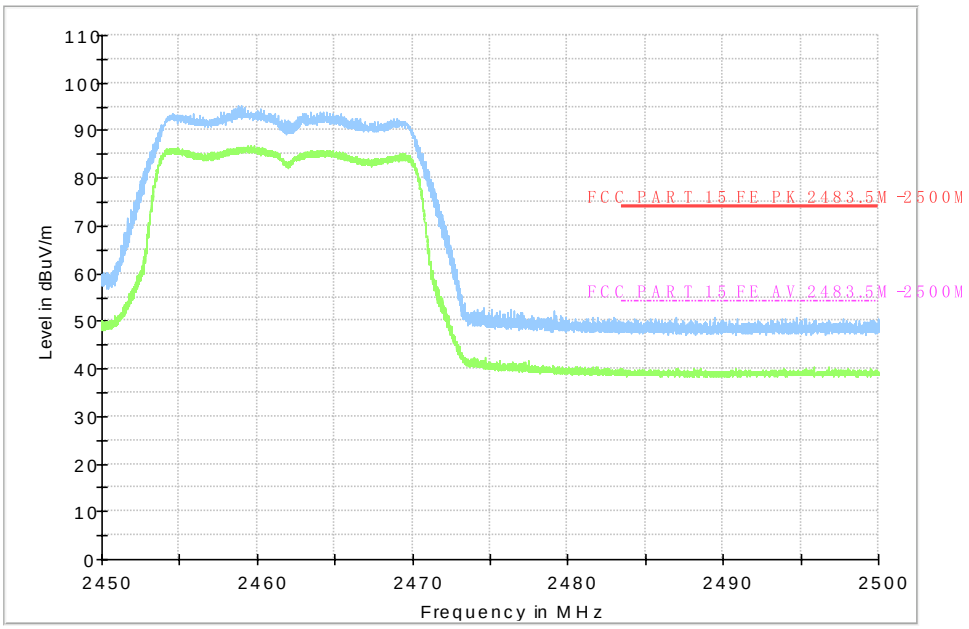

Fig.68 Radiated Band Edges (802.11g, Ch11, 2450GHz~2500GHz, Vertical Direction)

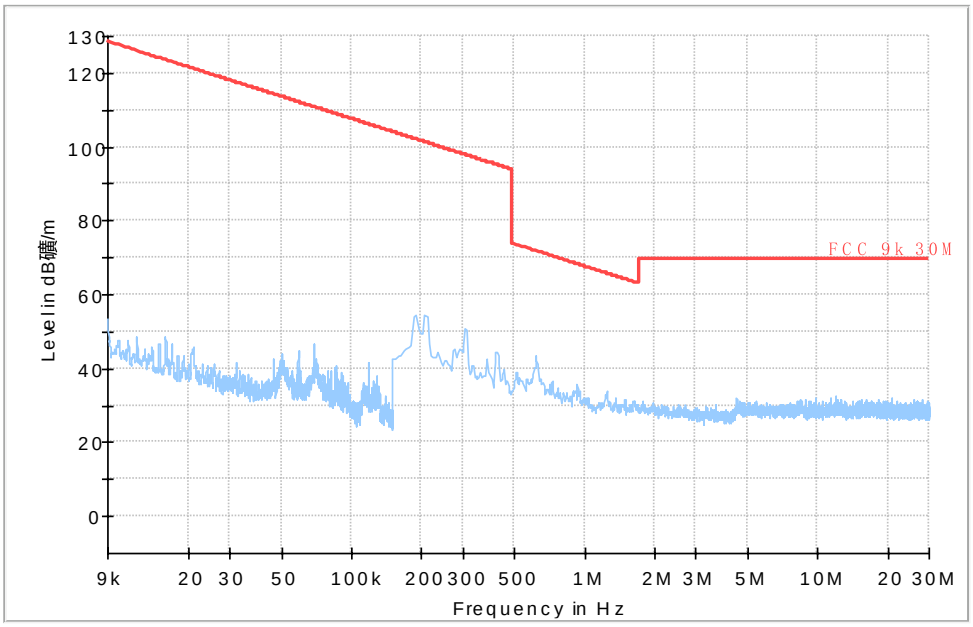

Fig.69 Radiated Spurious Emission (802.11g, All Channels, 9 kHz-30 MHz)

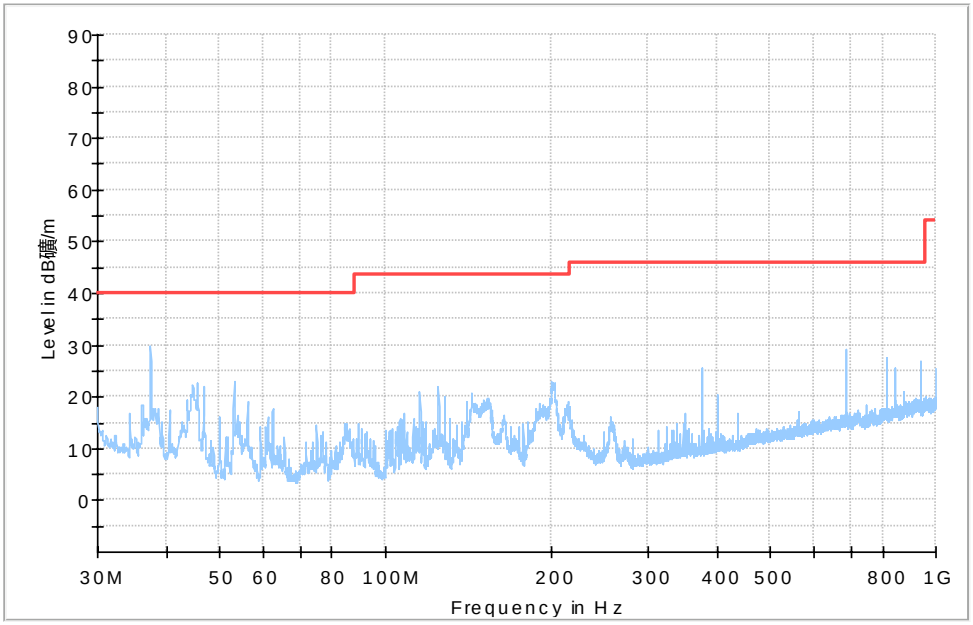

Fig.70 Radiated Spurious Emission (802.11g, All Channels, 30 MHz ~1 GHz)

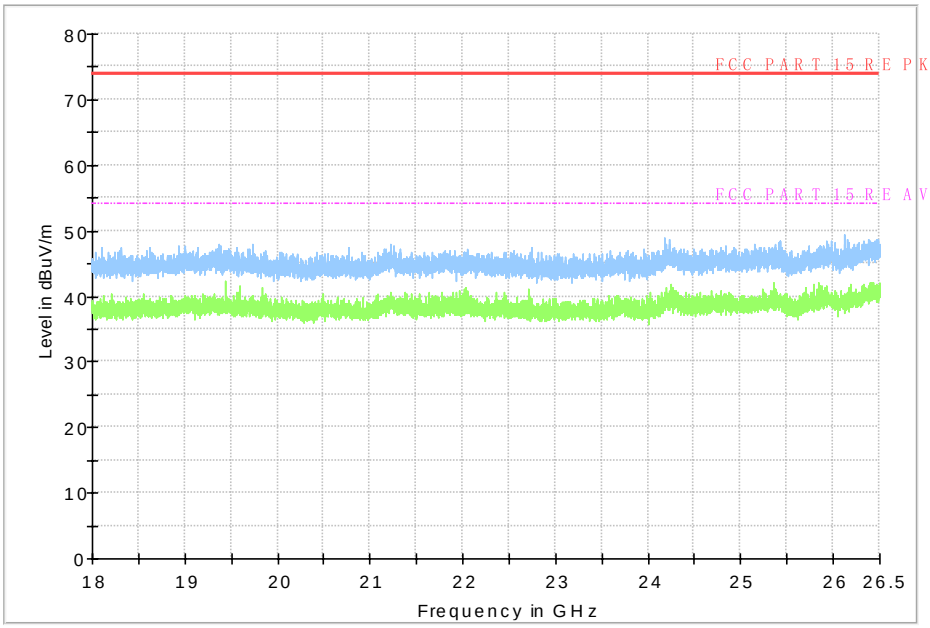

Fig.71 Radiated Spurious Emission (802.11g, All Channels, 18 GHz~ 26.5 GHz)

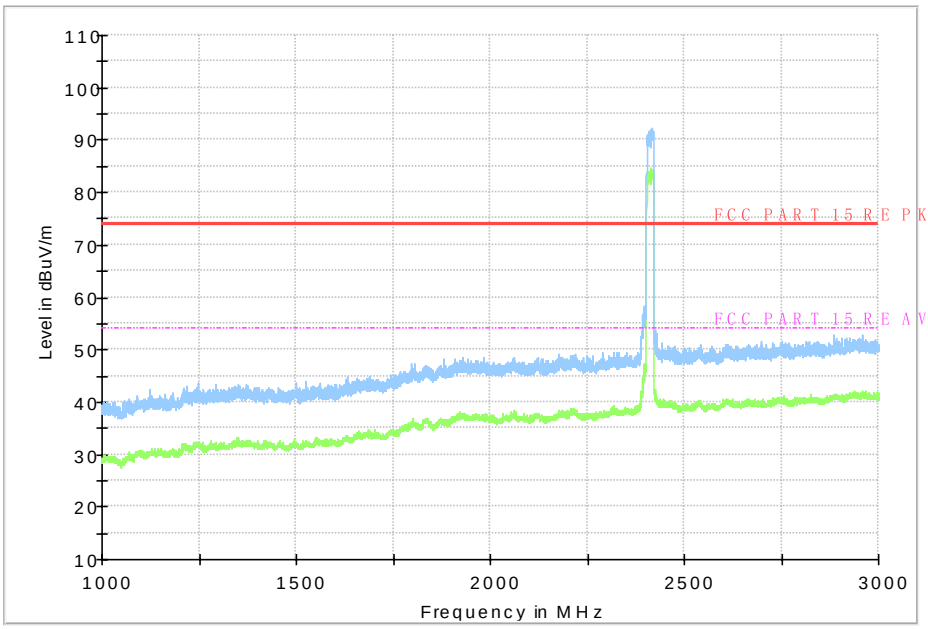

Fig.72 Radiated Spurious Emission (802.11nHT20, Ch1, 1 GHz ~3 GHz, Horizontal Direction)

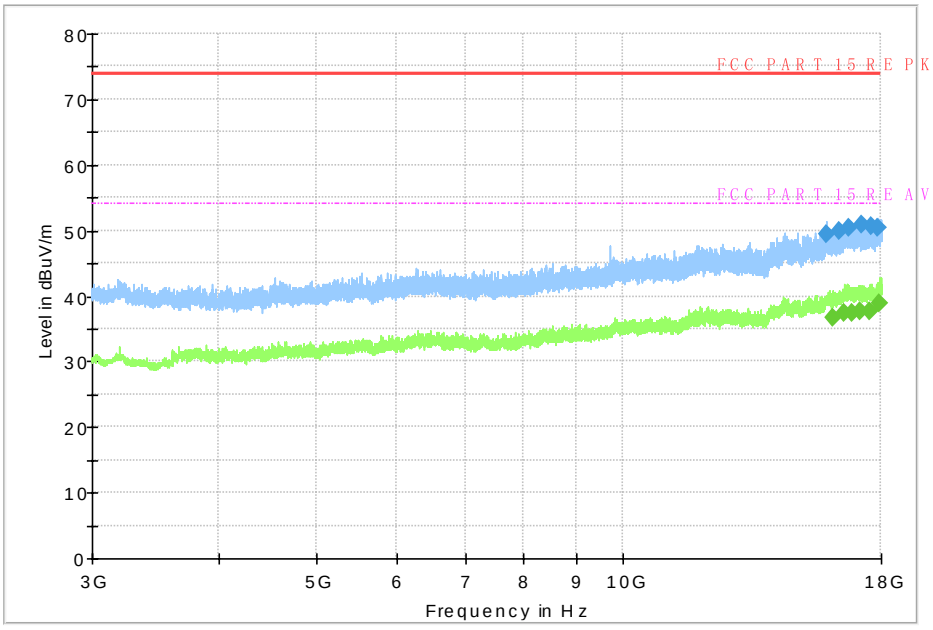

Fig.73 Radiated Spurious Emission (802.11nHT20, Ch1, 3GHz ~18 GHz, Horizontal Direction)

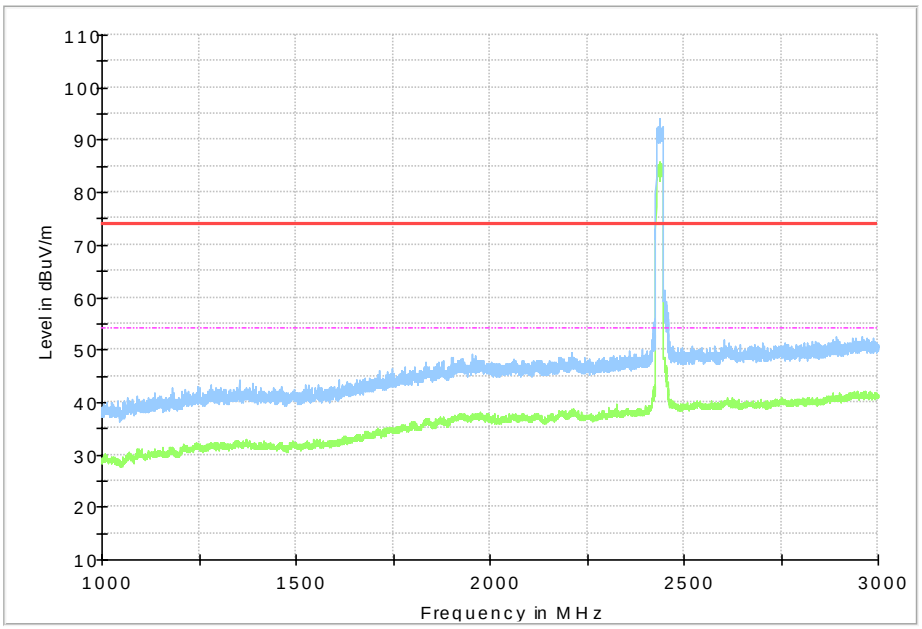

Fig.74 Radiated Spurious Emission (802.11nHT20, Ch6, 1GHz ~3 GHz ,Horizontal Direction)

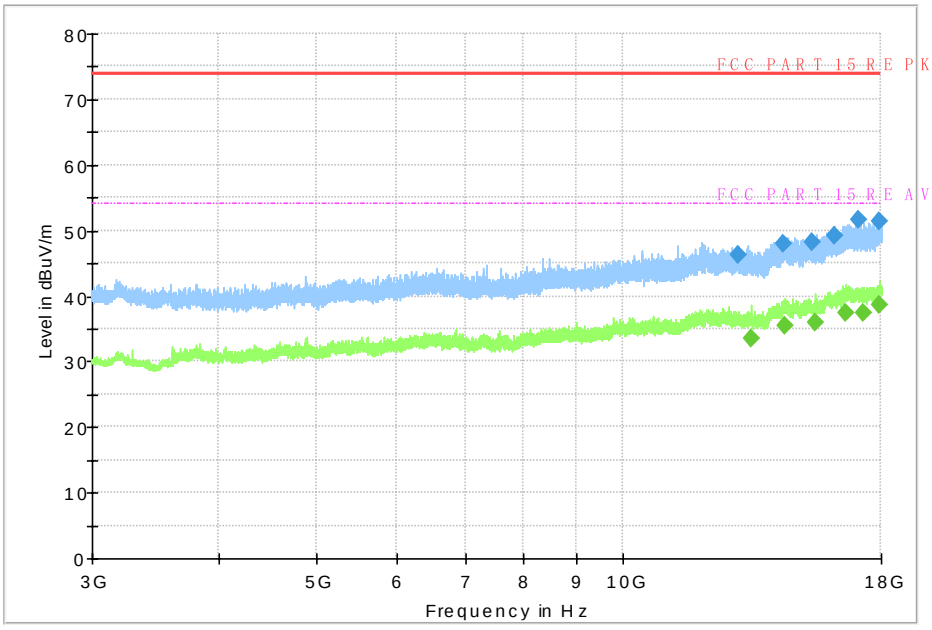

Fig.75 Radiated Spurious Emission (802.11nHT20, Ch6, 3GHz ~18 GHz ,Horizontal Direction)

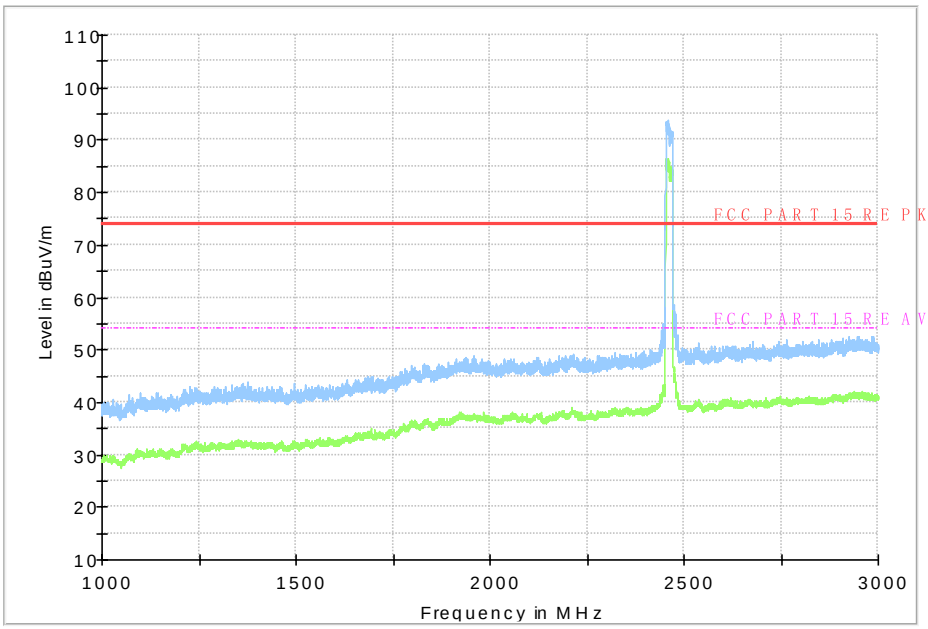

Fig.76 Radiated Spurious Emission (802.11nHT20, Ch11, 1GHz ~3 GHz ,Horizontal Direction)

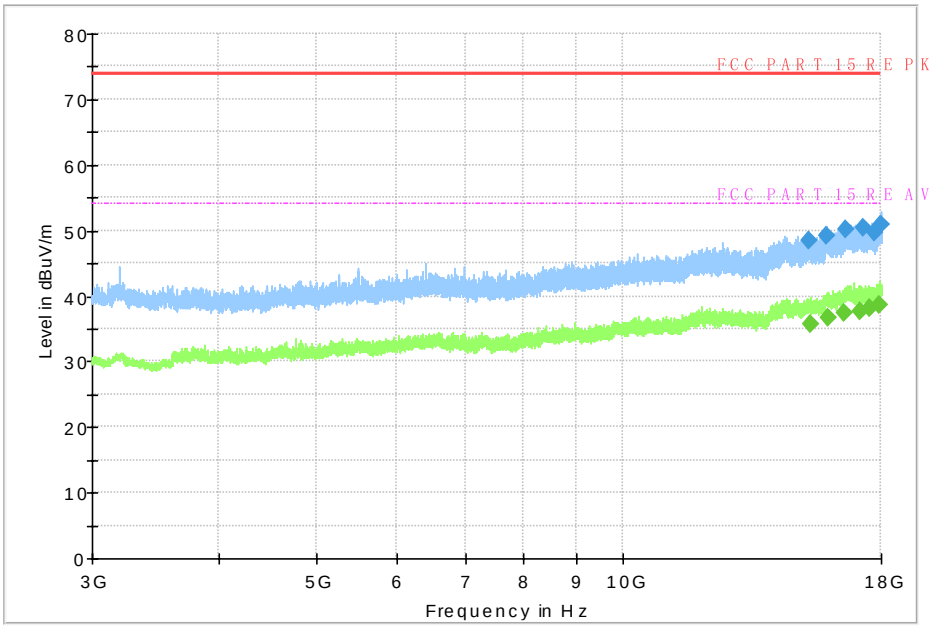

Fig.77 Radiated Spurious Emission (802.11nHT20, Ch11, 3GHz ~18GHz , Horizontal Direction)

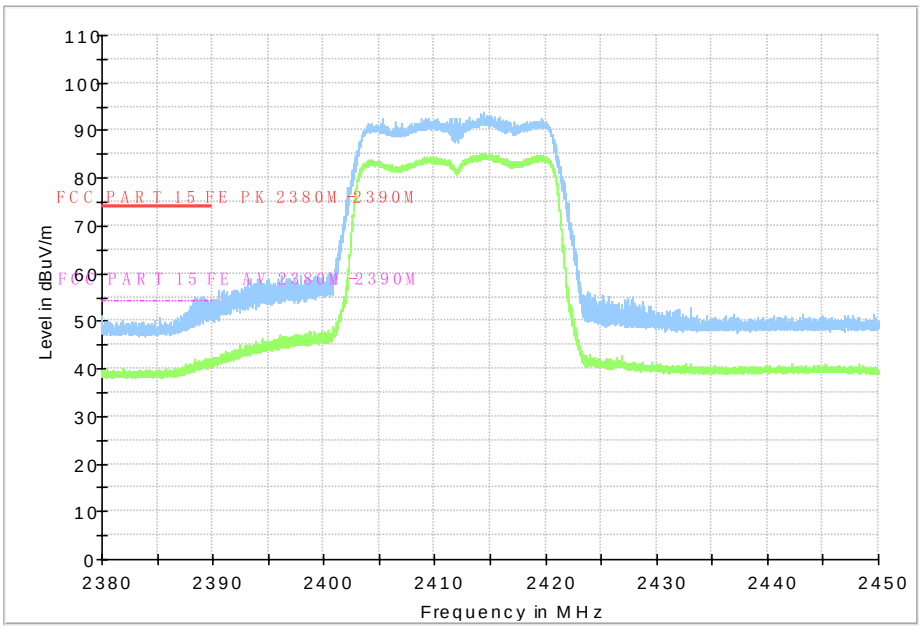

Fig.78 Radiated Band Edges (802.11nHT20, Ch1, 2380GHz~2450GHz , Horizontal Direction)

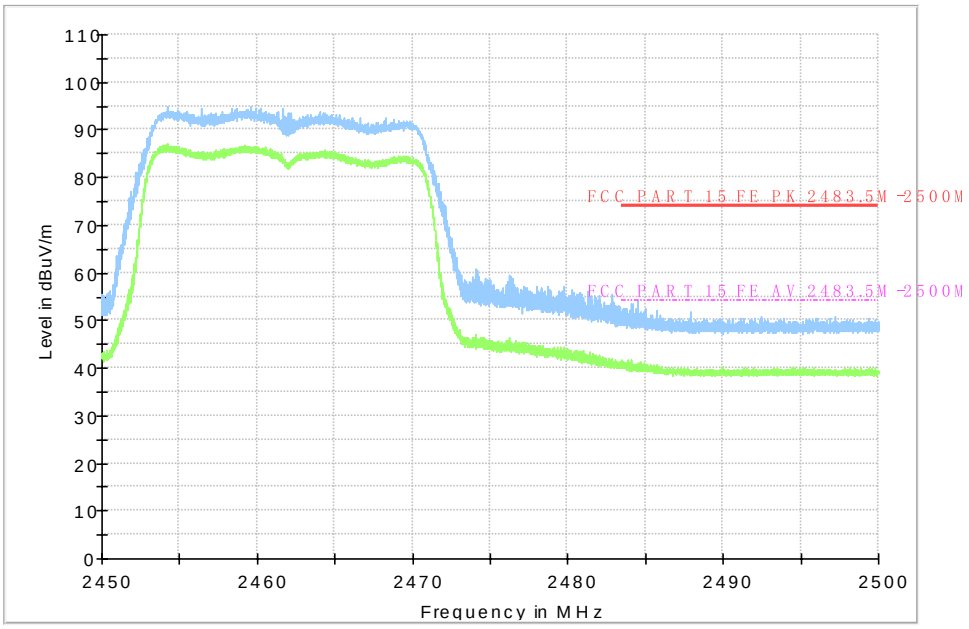

Fig.79 Radiated Band Edges (802.11nHT20, Ch11, 2450GHz~2500GHz , Horizontal Direction)

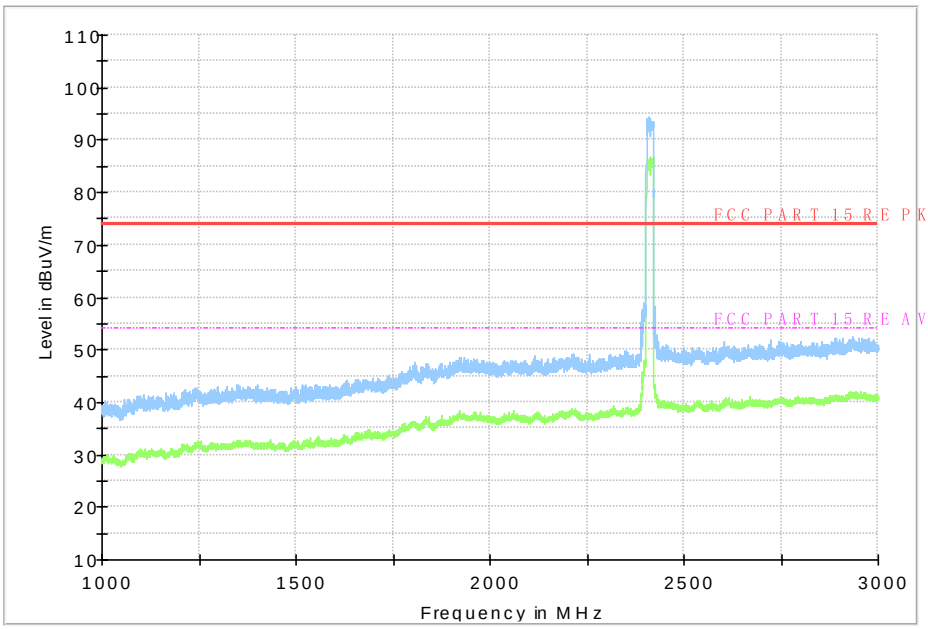

Fig.80 Radiated Spurious Emission (802.11nHT20, Ch1, 1GHz ~3GHz，Vertical Direction)

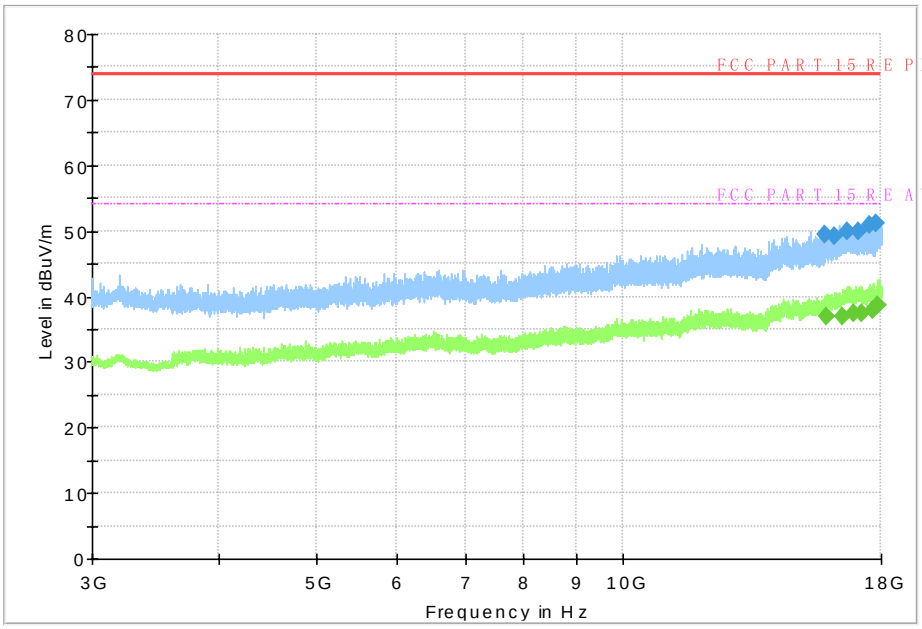

Fig.81 Radiated Spurious Emission (802.11nHT20, Ch1, 3GHz ~18GHz，Vertical Direction)

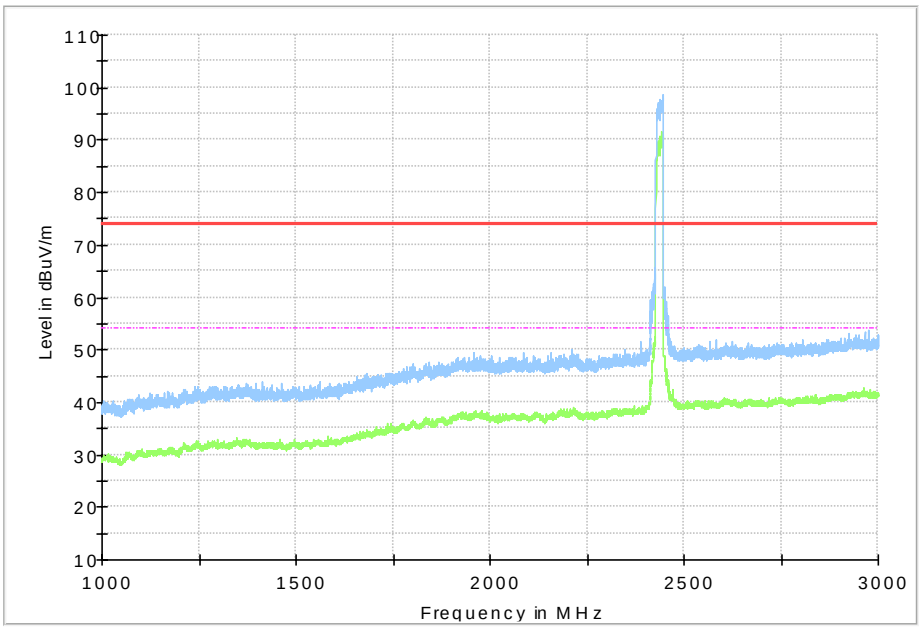

Fig.82 Radiated Spurious Emission (802.11nHT20, Ch6, 1GHz ~3GHz，Vertical Direction)

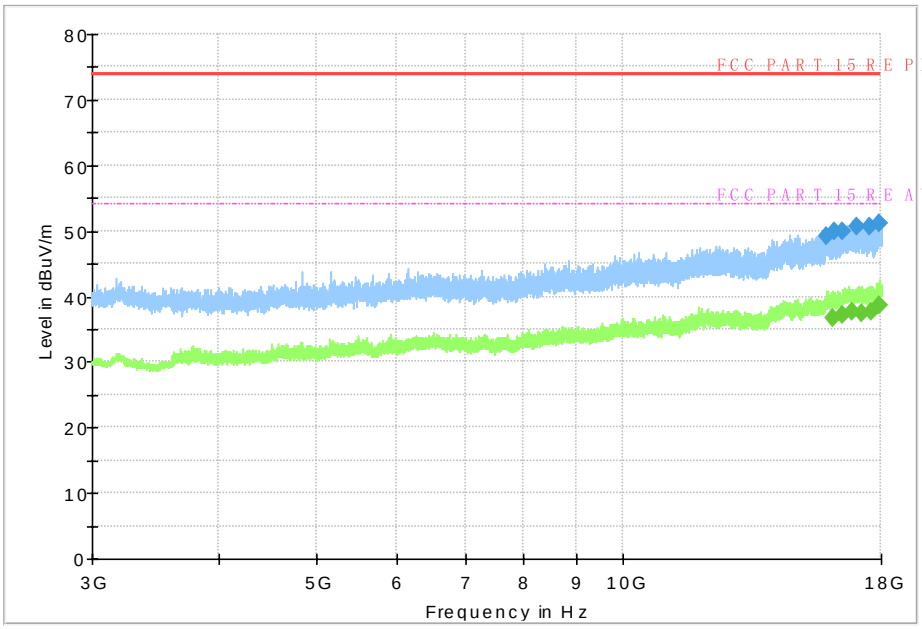

Fig.83 Radiated Spurious Emission (802.11nHT20, Ch6, 3GHz ~18GHz，Vertical Direction)

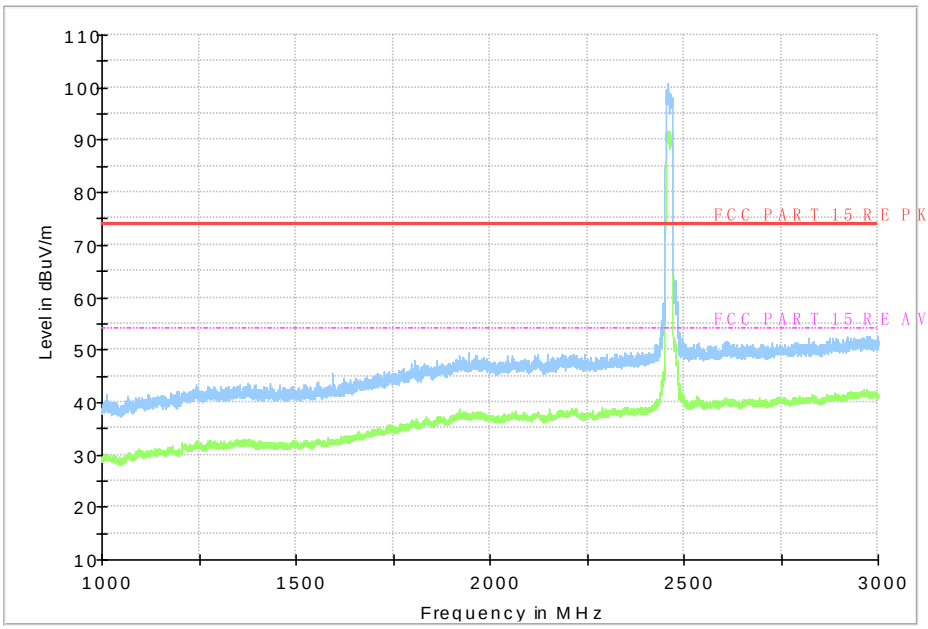

Fig.84 Radiated Spurious Emission (802.11nHT20, Ch11, 1GHz ~3GHz，Vertical Direction)

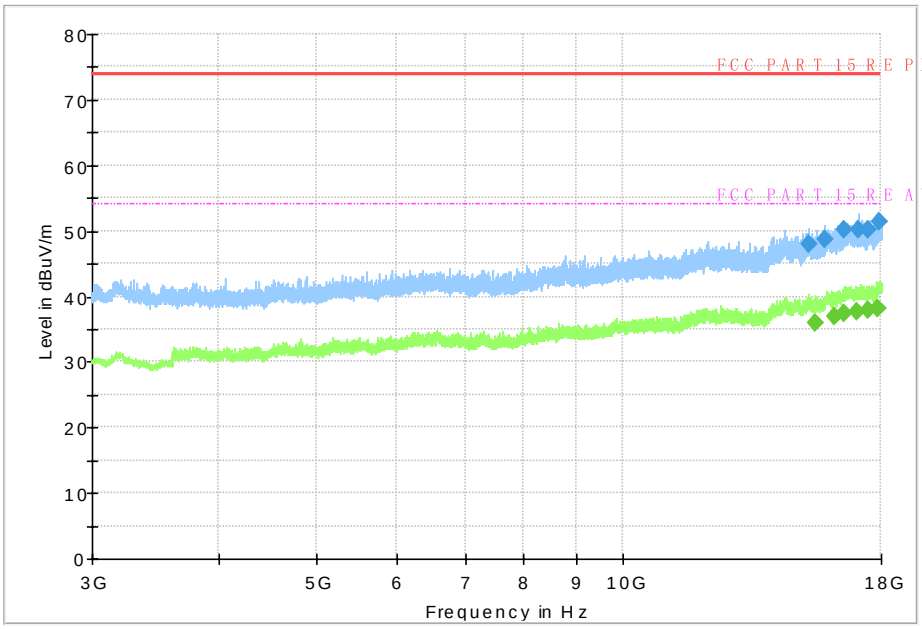

Fig.85 Radiated Spurious Emission (802.11nHT20, Ch11, 3GHz ~18GHz，Vertical Direction)

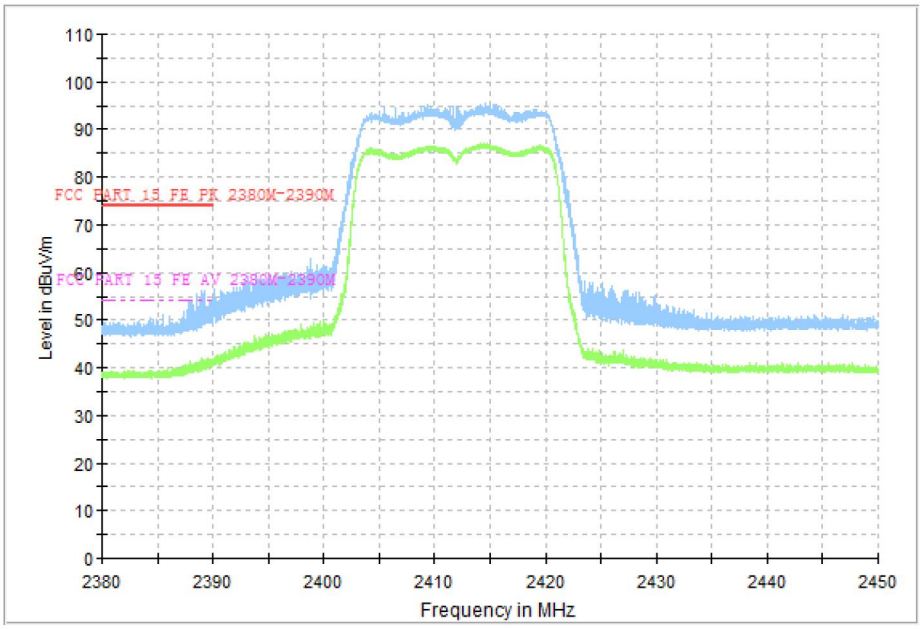

Fig.86 Radiated Band Edges (802.11nHT20, Ch1, 2380GHz~2450GHz ,Vertical Direction)

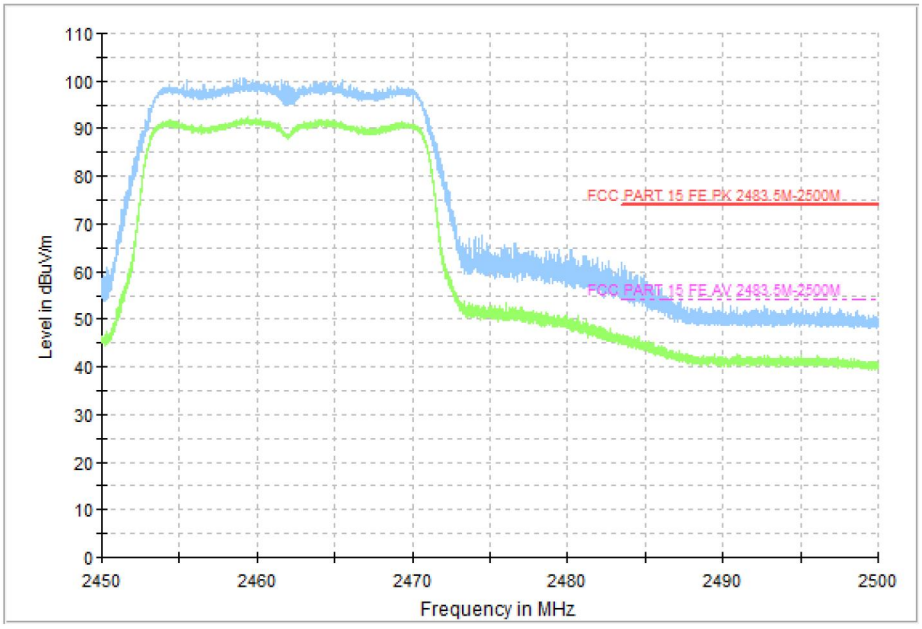

Fig.87 Radiated Band Edges (802.11nHT20, Ch11, 2450GHz~2500GHz, Vertical Direction)

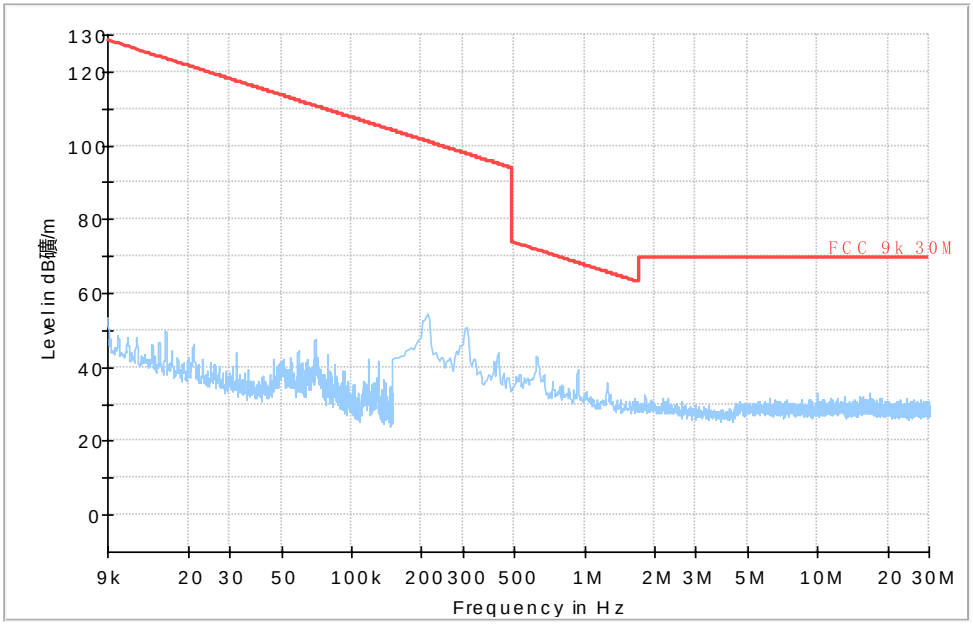

Fig.88 Radiated Spurious Emission (802.11nHT20, All Channels, 9 kHz-30 MHz)

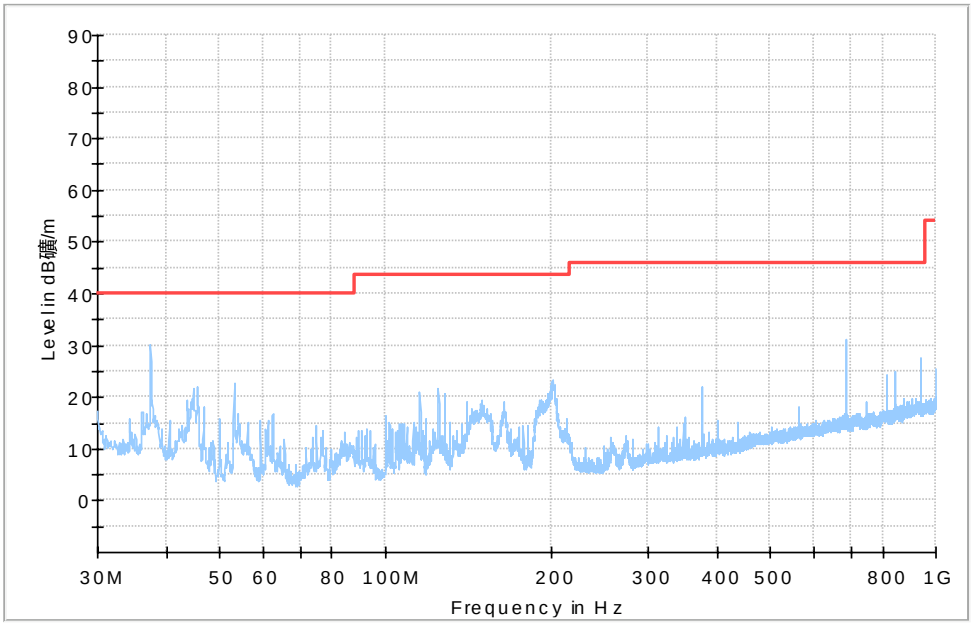

Fig.89 Radiated Spurious Emission (802.11nHT20, All Channels, 30 MHz ~1 GHz)

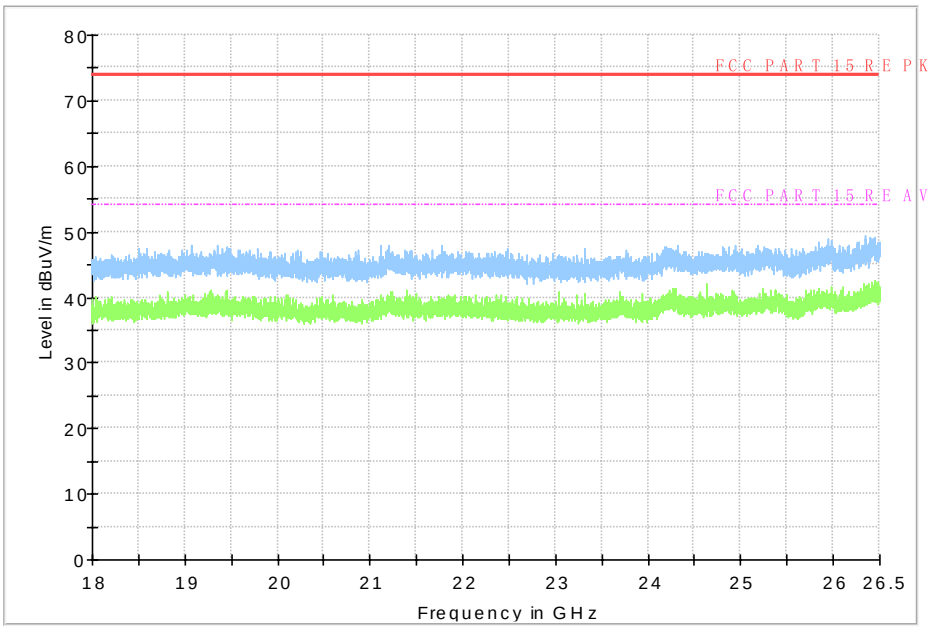

Fig.90 Radiated Spurious Emission (802.11nHT20, All Channels, 18 GHz~ 26.5 GHz)

A.7 99% Occupied Bandwidth

Measurement Limit:

Standard	Limit
RSS-Gen section 6.7	/

Measurement Result:

Mode	Channel	Frequency (MHz)	Test Results (MHz)		Conclusion
802.11b	CH1	2412	Fig.34	13.19	**P**
	CH6	2437	Fig.35	13.15	**P**
	CH11	2462	Fig.36	13.15	**P**
802.11g	CH1	2412	Fig.37	16.54	**P**
	CH6	2437	Fig.38	16.54	**P**
	CH11	2462	Fig.39	16.58	**P**
802.11n HT20	CH1	2412	Fig.40	17.62	**P**
	CH6	2437	Fig.41	17.62	**P**
	CH11	2462	Fig.42	17.62	**P**

See ANNEX B for test graphs.

Conclusion: PASS

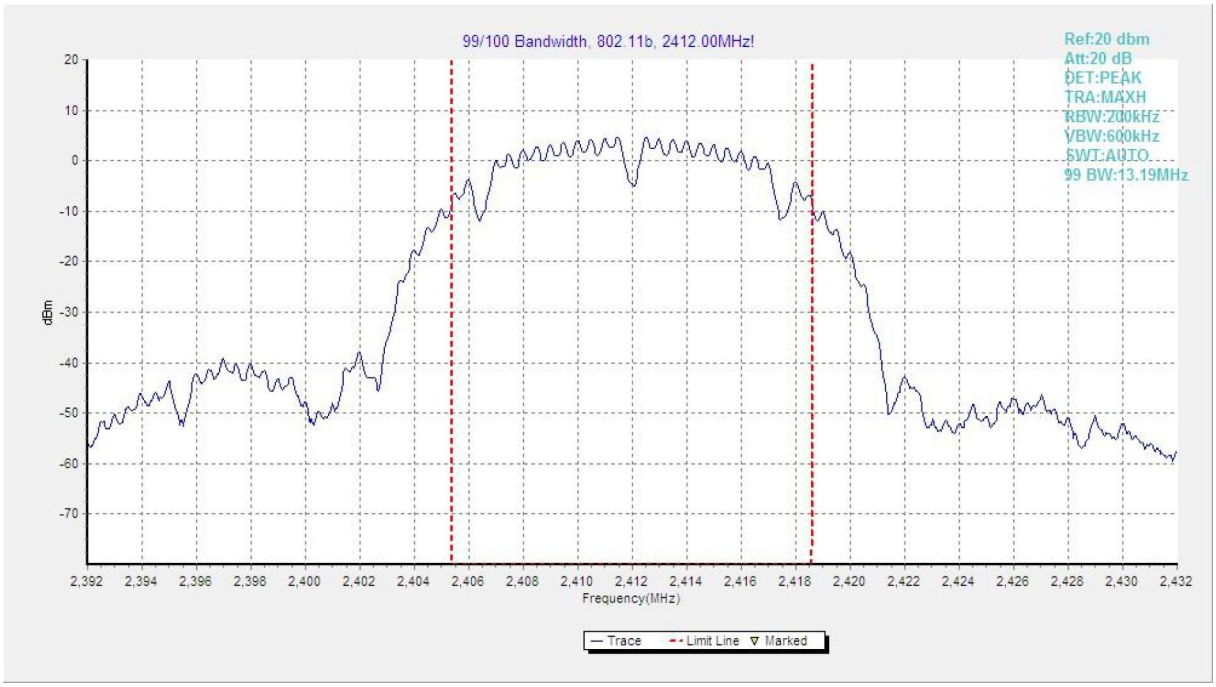

Fig.34 99% Occupied Bandwidth (802.11b, Ch 1)

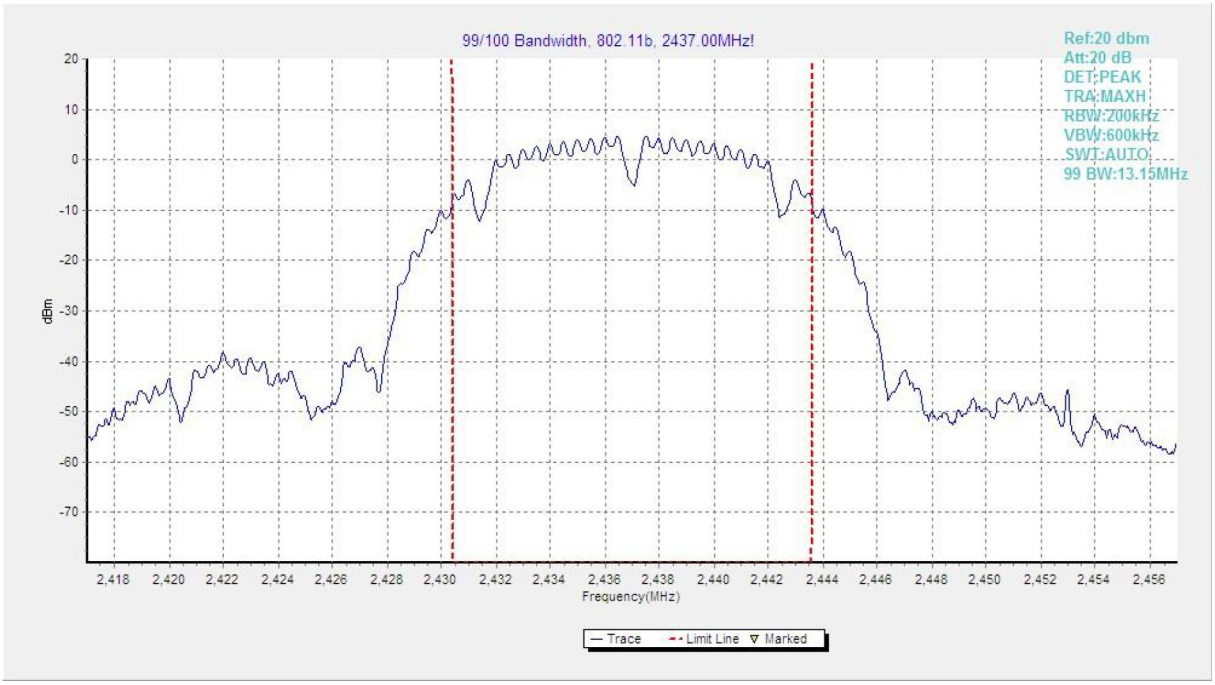

Fig.35 99% Occupied Bandwidth (802.11b, Ch 6)

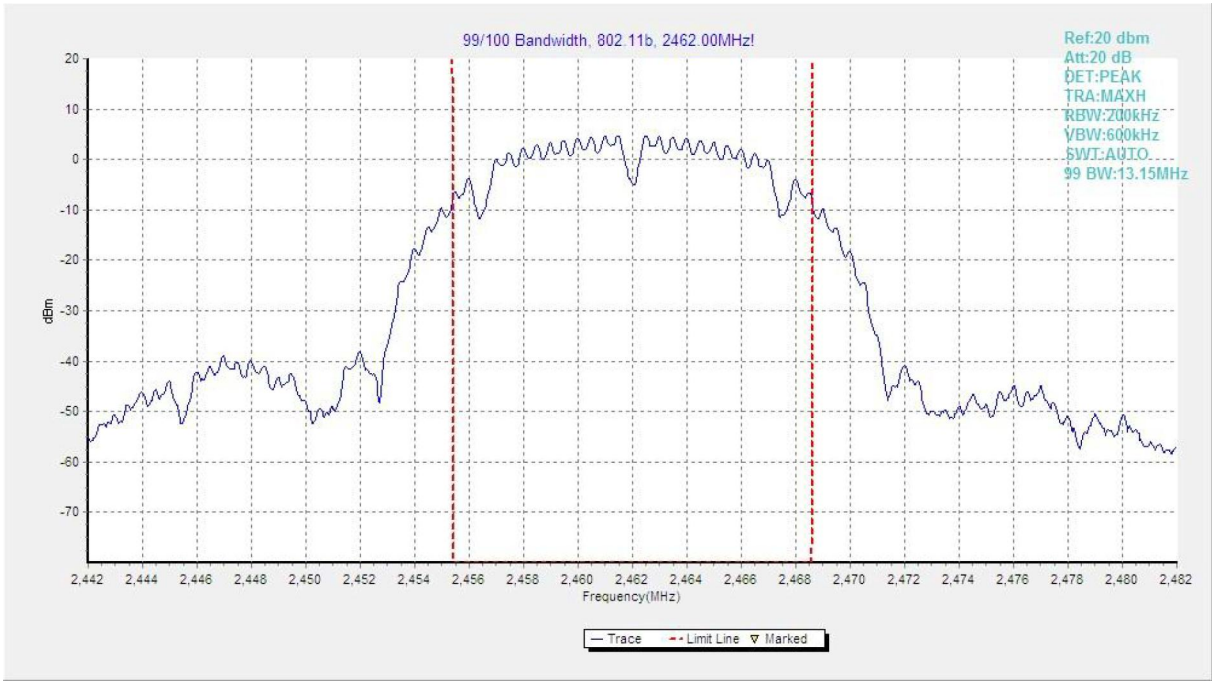

Fig.36 99% Occupied Bandwidth (802.11b, Ch 11)

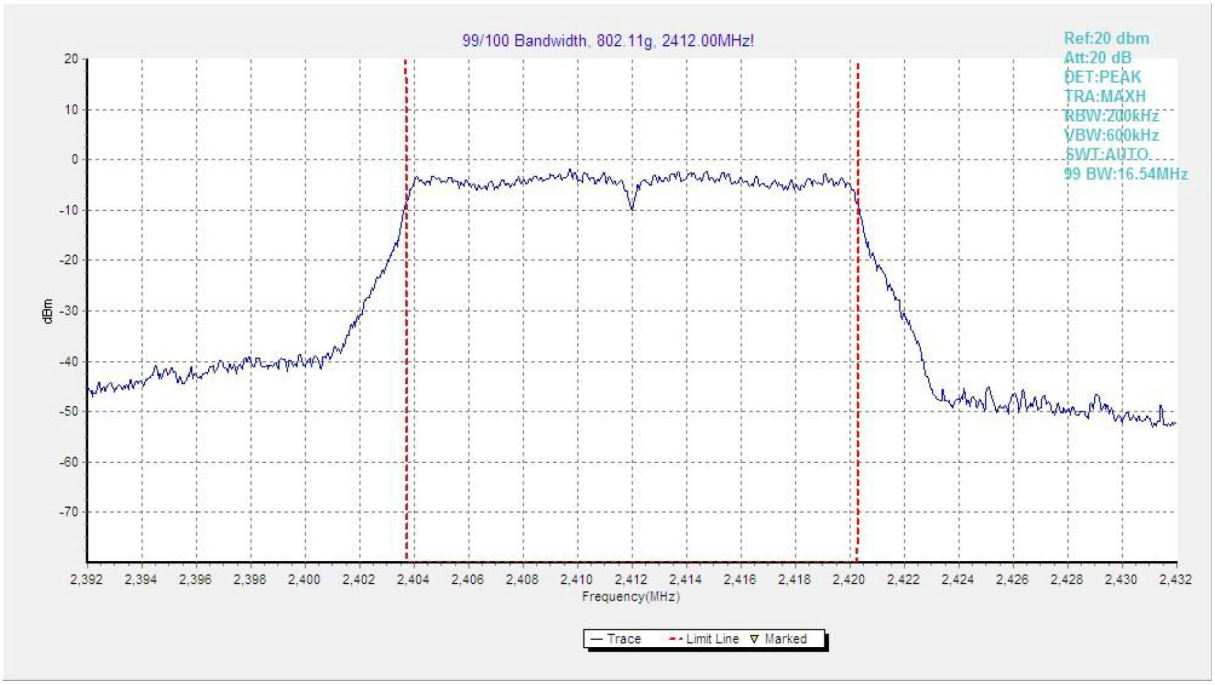

Fig.37 99% Occupied Bandwidth (802.11g, Ch 1)

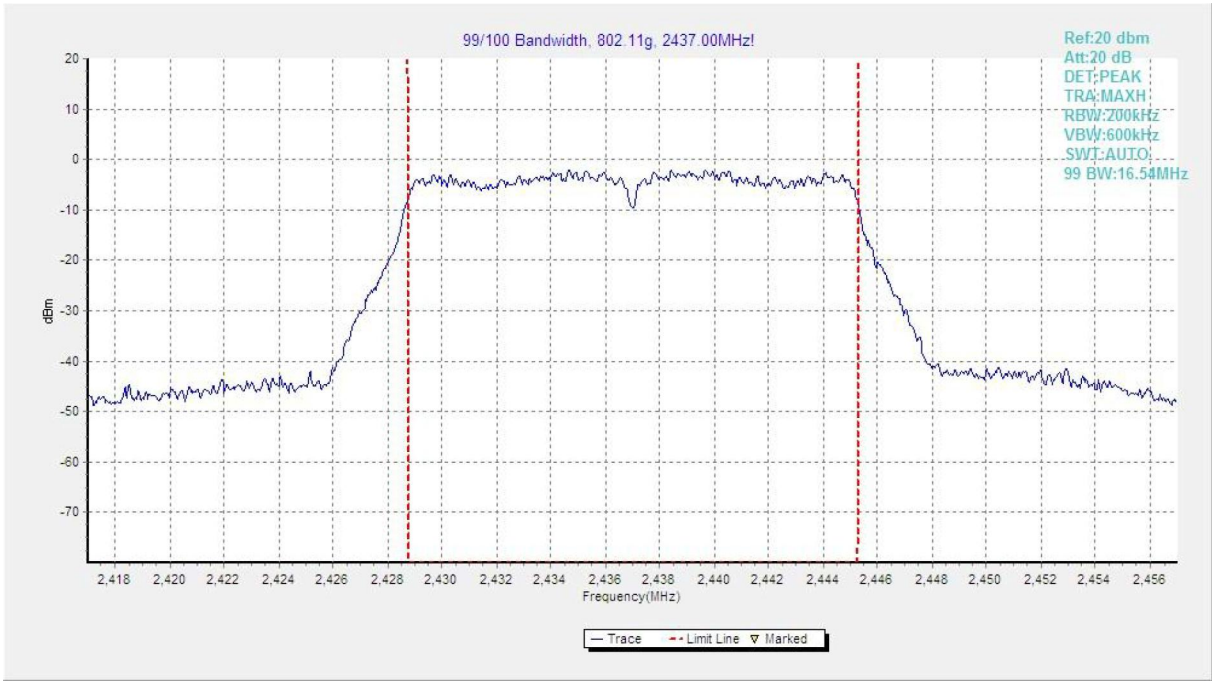

Fig.38 99% Occupied Bandwidth (802.11g, Ch 6)

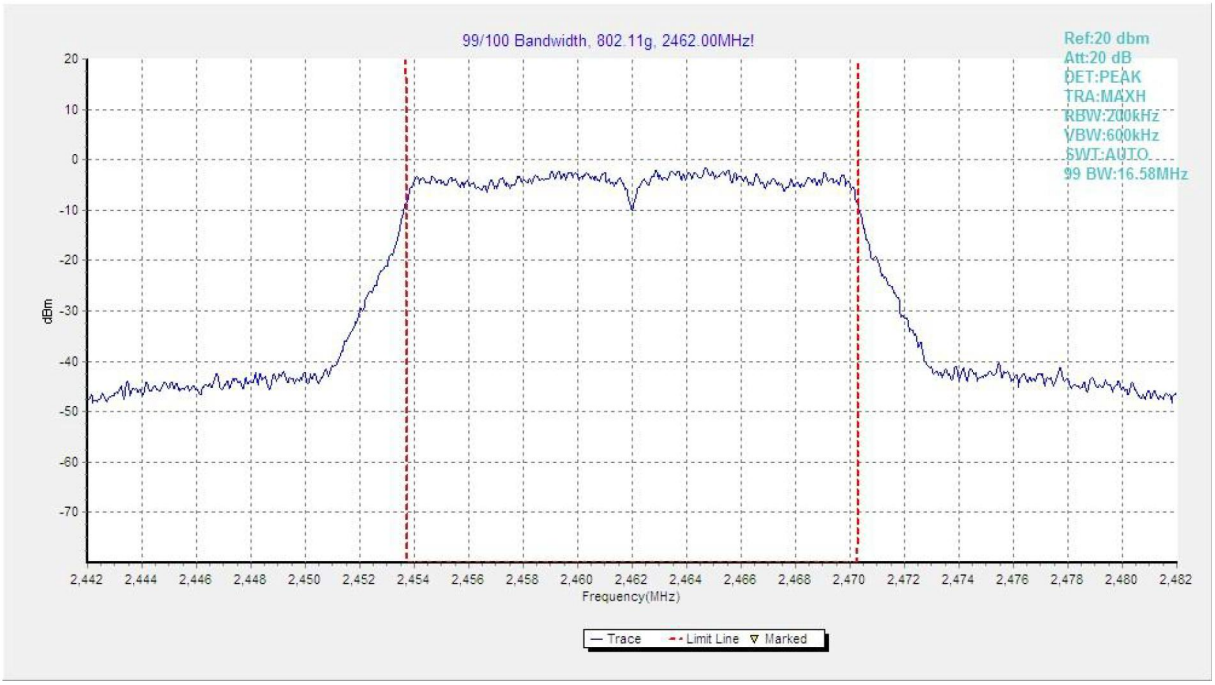

Fig.39 99% Occupied Bandwidth (802.11g, Ch 11)

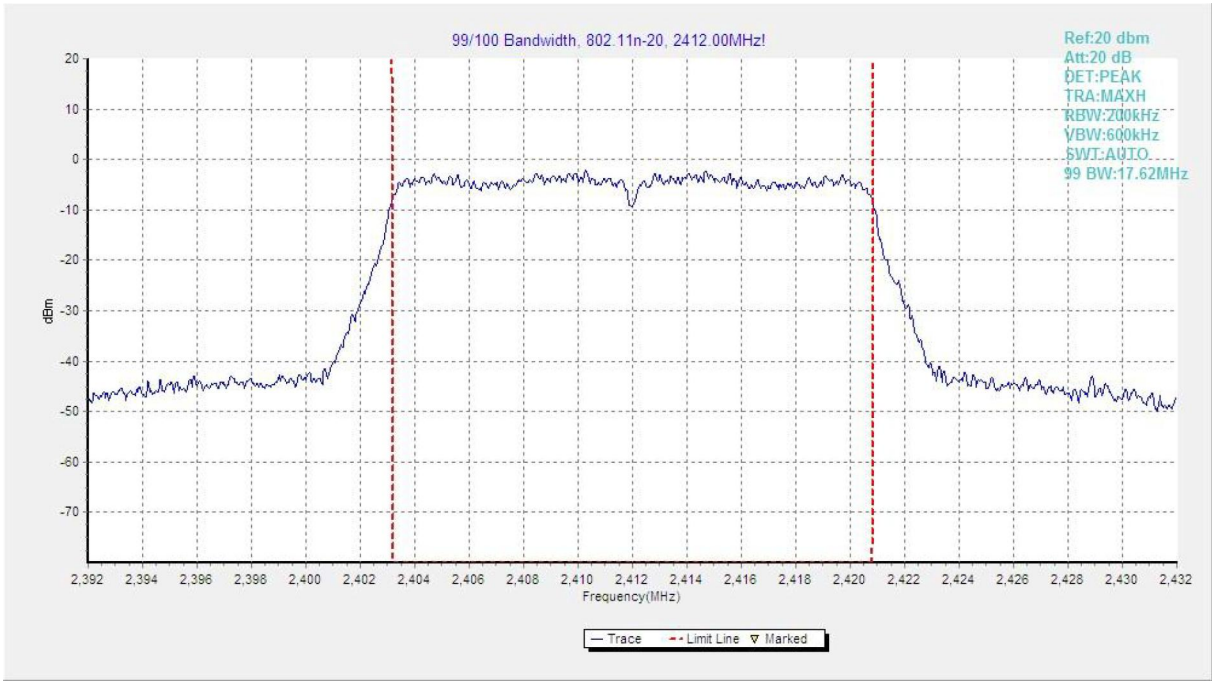

Fig.40 99% Occupied Bandwidth (802.11n-20MHz, Ch 1)

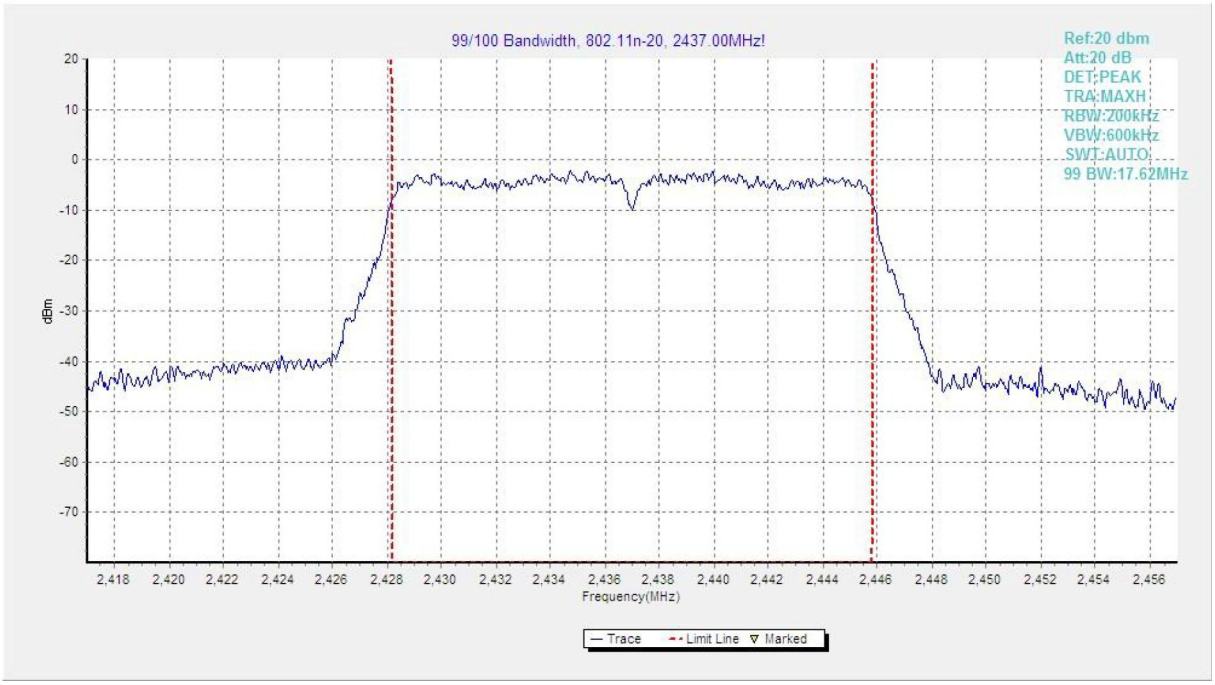

Fig.41 99% Occupied Bandwidth (802.11n-20MHz, Ch 6)

Fig.42 99% Occupied Bandwidth (802.11n-20MHz, Ch 11)

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