



802.11a

Channel 36

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5149.000	53.8	-35.1	34.6	54.300	H
17792.400	53.2	-18.5	45.6	26.100	V
17860.800	52.9	-18.5	45.6	25.800	V
17688.000	52.3	-18.9	45.6	25.600	H
17532.000	52.1	-19.2	45.6	25.700	V
17749.200	51.9	-18.5	45.6	24.800	V

Channel 40

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17851.200	53.8	-18.5	45.6	26.700	H
17810.400	52.8	-18.5	45.6	25.700	H
17864.400	52.8	-18.5	45.6	25.700	H
17811.600	52.8	-18.5	45.6	25.700	V
17984.400	52.3	-17.7	45.6	24.400	V
17896.800	51.4	-18.5	45.6	24.300	H

Channel 48

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17868.000	53.1	-18.5	45.6	26.000	V
17936.400	52.4	-17.7	45.6	24.500	V
17548.800	52.3	-19.2	45.6	25.900	H
17887.200	52.3	-18.5	45.6	25.200	V
17937.600	52.3	-17.7	45.6	24.400	H
17570.400	52.2	-18.9	45.6	25.500	V

Channel 52

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17734.800	52.2	-18.9	45.6	25.5	H
17798.400	51.7	-18.5	45.6	24.6	H
17782.800	51.5	-18.5	45.6	24.4	V
17840.400	51.5	-18.5	45.6	24.4	H
17808.000	51.5	-18.5	45.6	24.4	H
17877.600	51.4	-18.5	45.6	24.3	H



Channel 56

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17818.800	52.7	-18.5	45.6	25.6	H
17776.800	52.4	-18.5	45.6	25.3	V
17798.400	52.0	-18.5	45.6	24.9	V
17830.800	51.9	-18.5	45.6	24.8	H
17745.600	51.3	-18.5	45.6	24.2	H
17827.200	51.2	-18.5	45.6	24.1	H

Channel 64

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5350.231	54.1	-34.8	34.6	54.3	V
17689.200	53.3	-18.9	45.6	26.6	V
17836.800	52.1	-18.5	45.6	25.0	V
17968.800	51.7	-17.7	45.6	23.8	H
17756.400	51.7	-18.5	45.6	24.6	H
17786.400	51.7	-18.5	45.6	24.6	V

Channel 100

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5460.000	50.9	-34.9	34.6	51.2	H
17966.400	53.0	-17.7	45.6	25.1	H
17848.800	52.3	-18.5	45.6	25.2	V
17948.400	52.1	-17.7	45.6	24.2	V
17947.200	52.1	-17.7	45.6	24.2	H
17914.800	52.0	-17.7	45.6	24.1	V

Channel 120

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17631.600	52.8	-18.9	45.6	26.1	H
17632.800	52.3	-18.9	45.6	25.6	V
17797.200	52.2	-18.5	45.6	25.1	H
17736.000	51.9	-18.9	45.6	25.2	V
17888.400	51.9	-18.5	45.6	24.8	V
17906.400	51.8	-18.5	45.6	24.7	H



Channel 140

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17822.400	52.1	-18.5	45.6	25.0	H
17773.200	52.0	-18.5	45.6	24.9	V
17730.000	51.9	-18.9	45.6	25.2	H
17872.800	51.9	-18.5	45.6	24.8	V
17984.400	51.8	-17.7	45.6	23.9	V
17743.200	51.5	-18.5	45.6	24.4	V

**802.11n-HT20**

Channel 36

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5149.881	51.9	-35.1	34.6	52.400	V
17754.000	53.5	-18.5	45.6	26.400	H
17467.200	52.4	-19.2	41.5	30.100	H
17816.400	52.0	-18.5	45.6	24.900	V
17864.400	51.5	-18.5	45.6	24.400	H
17956.800	51.4	-17.7	45.6	23.500	V

Channel 40

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17919.600	53.1	-17.7	45.6	25.200	H
17847.600	52.9	-18.5	45.6	25.800	V
17928.000	52.6	-17.7	45.6	24.700	V
17925.600	52.5	-17.7	45.6	24.600	H
17821.200	52.4	-18.5	45.6	25.300	V
17490.000	52.3	-19.2	41.5	30.000	H

Channel 48

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17997.600	52.7	-17.7	45.6	24.800	V
17869.200	52.6	-18.5	45.6	25.500	H
17986.800	52.5	-17.7	45.6	24.600	H
17762.400	52.4	-18.5	45.6	25.300	H
17984.400	52.1	-17.7	45.6	24.200	V
17768.400	52.0	-18.5	45.6	24.900	H



Channel 52

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17781.600	52.6	-18.5	45.6	25.5	H
17800.800	52.5	-18.5	45.6	25.4	V
17754.000	52.1	-18.5	45.6	25.0	V
17794.800	52.0	-18.5	45.6	24.9	H
17823.600	51.8	-18.5	45.6	24.7	H
17812.800	51.8	-18.5	45.6	24.7	V

Channel 56

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17895.600	53.1	-18.5	45.6	26.0	H
17851.200	52.7	-18.5	45.6	25.6	V
17896.800	52.6	-18.5	45.6	25.5	H
17942.400	52.0	-17.7	45.6	24.1	V
17756.400	51.9	-18.5	45.6	24.8	H
17703.600	51.7	-18.9	45.6	25.0	H

Channel 64

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5350.100	52.6	-34.8	34.6	52.8	H
17886.000	53.1	-18.5	45.6	26.0	V
17552.400	53.0	-19.2	45.6	26.6	H
17791.200	52.6	-18.5	45.6	25.5	H
17856.000	52.5	-18.5	45.6	25.4	V
17878.800	52.5	-18.5	45.6	25.4	V

Channel 100

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5460.000	50.4	-34.9	34.6	50.7	H
17796.000	52.2	-18.5	45.6	25.1	V
17851.200	52.0	-18.5	45.6	24.9	H
17919.600	51.9	-17.7	45.6	24.0	V
17847.600	51.9	-18.5	45.6	24.8	H
17709.600	51.9	-18.9	45.6	25.2	H



Channel 120

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17793.600	52.6	-18.5	45.6	25.5	H
17779.200	52.3	-18.5	45.6	25.2	V
17554.800	52.1	-19.2	45.6	25.7	H
17834.400	52.1	-18.5	45.6	25.0	H
17785.200	52.1	-18.5	45.6	25.0	H
17890.800	51.8	-18.5	45.6	24.7	V

Channel 140

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17563.200	52.8	-18.9	45.6	26.1	V
17781.600	52.8	-18.5	45.6	25.7	V
17890.800	52.5	-18.5	45.6	25.4	H
17980.800	52.4	-17.7	45.6	24.5	H
17856.000	52.3	-18.5	45.6	25.2	H
17652.000	51.8	-18.9	45.6	25.1	V

**802.11n-HT40**

Channel 38

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5150.000	56.8	-35.1	34.6	57.300	H
17865.600	52.6	-18.5	45.6	25.500	V
17484.000	52.4	-19.2	41.5	30.100	H
17892.000	52.2	-18.5	45.6	25.100	H
17826.000	52.1	-18.5	45.6	25.000	V
17828.400	51.8	-18.5	45.6	24.700	V

Channel 46

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17571.600	53.5	-18.9	45.6	26.800	H
17662.800	52.1	-18.9	45.6	25.400	V
17738.400	52.0	-18.5	45.6	24.900	V
17898.000	51.8	-18.5	45.6	24.700	V
17502.000	51.8	-19.2	45.6	25.400	V
17850.000	51.7	-18.5	45.6	24.600	H



Channel 54

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17578.800	52.9	-18.9	45.6	26.2	V
18000.000	52.4	-45.6	44.5	53.5	V
17749.200	52.1	-18.5	45.6	25.0	H
17782.800	51.7	-18.5	45.6	24.6	V
17631.600	51.7	-18.9	45.6	25.0	V
17768.400	51.5	-18.5	45.6	24.4	H

Channel 62

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5350.050	57.3	-34.8	34.6	57.5	V
17824.800	52.5	-18.5	45.6	25.4	V
17755.200	52.4	-18.5	45.6	25.3	H
17896.800	52.2	-18.5	45.6	25.1	V
17637.600	52.1	-18.9	45.6	25.4	H
17966.400	51.9	-17.7	45.6	24.0	H

Channel 102

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5460.000	50.5	-34.9	34.6	50.8	V
17860.800	51.8	-18.5	45.6	24.7	V
17749.200	51.8	-18.5	45.6	24.7	V
17815.200	51.8	-18.5	45.6	24.7	H
17784.000	51.6	-18.5	45.6	24.5	H
17493.600	51.6	-19.2	41.5	29.3	V

Channel 118

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17996.400	52.1	-17.7	45.6	24.2	V
17934.000	52.0	-17.7	45.6	24.1	H
17830.800	51.9	-18.5	45.6	24.8	H
17640.000	51.8	-18.9	45.6	25.1	V
17859.600	51.5	-18.5	45.6	24.4	H
17646.000	51.4	-18.9	45.6	24.7	V

Channel 134

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17920.800	52.9	-17.7	45.6	25.0	H
17784.000	52.8	-18.5	45.6	25.7	H
17782.800	52.3	-18.5	45.6	25.2	V
17902.800	52.3	-18.5	45.6	25.2	V
17746.800	52.1	-18.5	45.6	25.0	V
17905.200	51.9	-18.5	45.6	24.8	H

Test graphs as below:

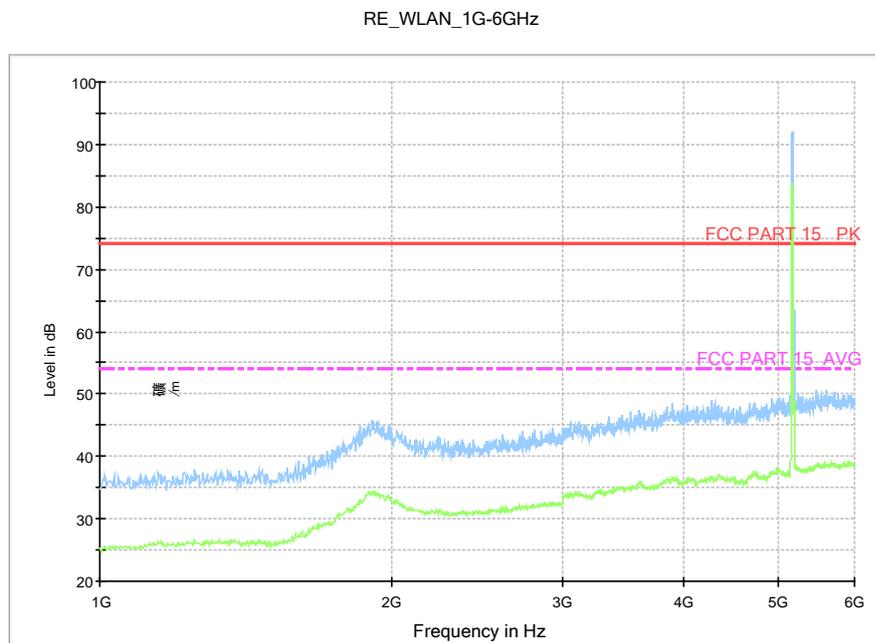
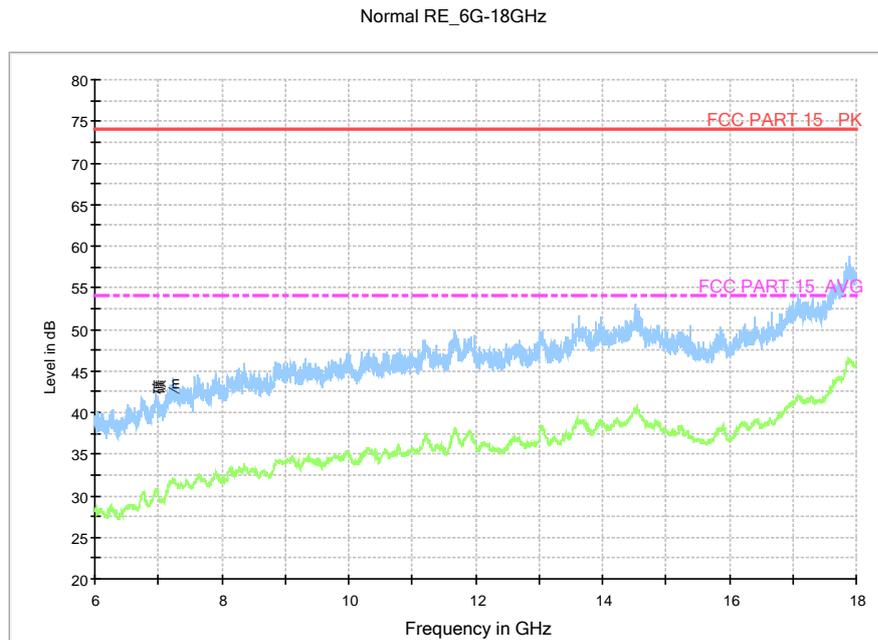
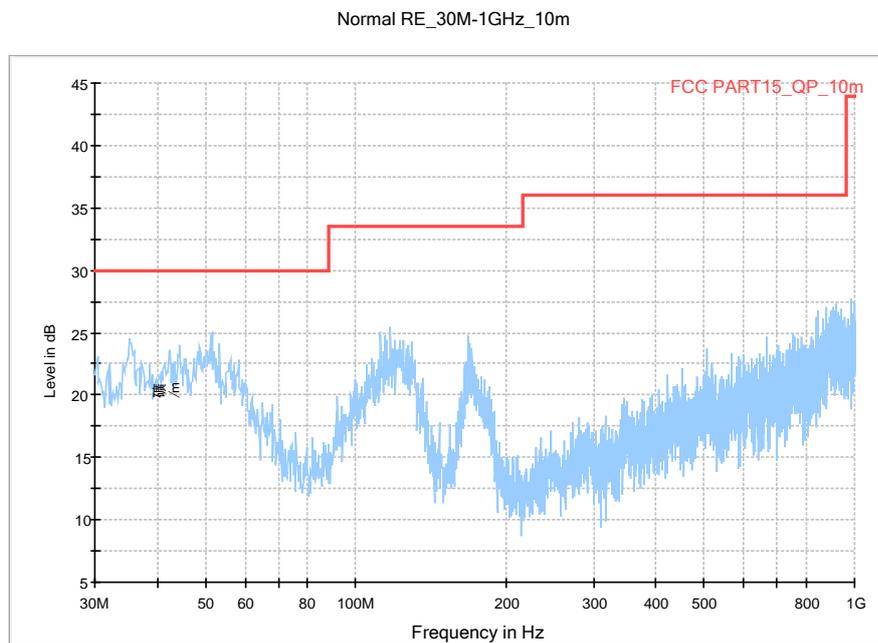


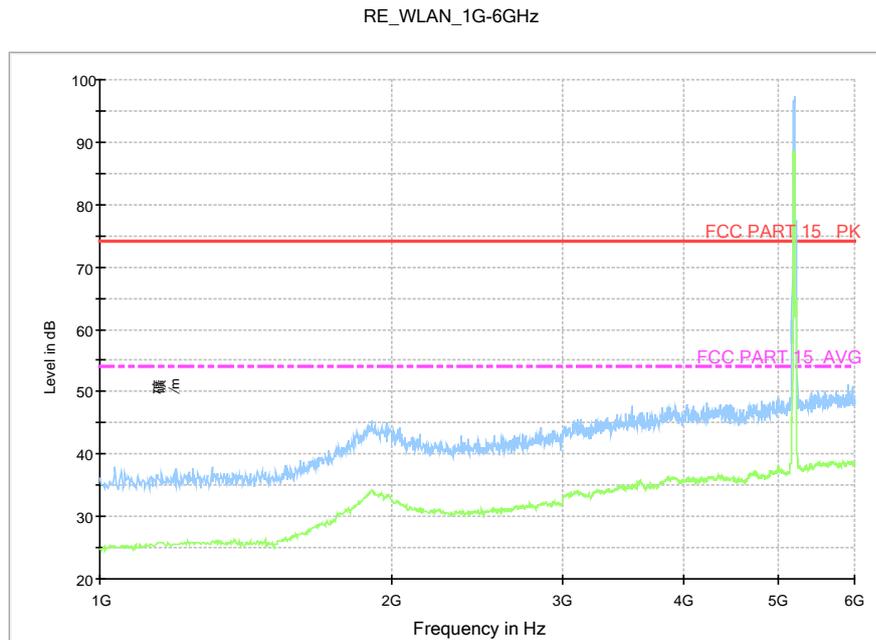
Fig. 50 Radiated Spurious Emission (802.11a, ch36, 1 GHz-6 GHz)



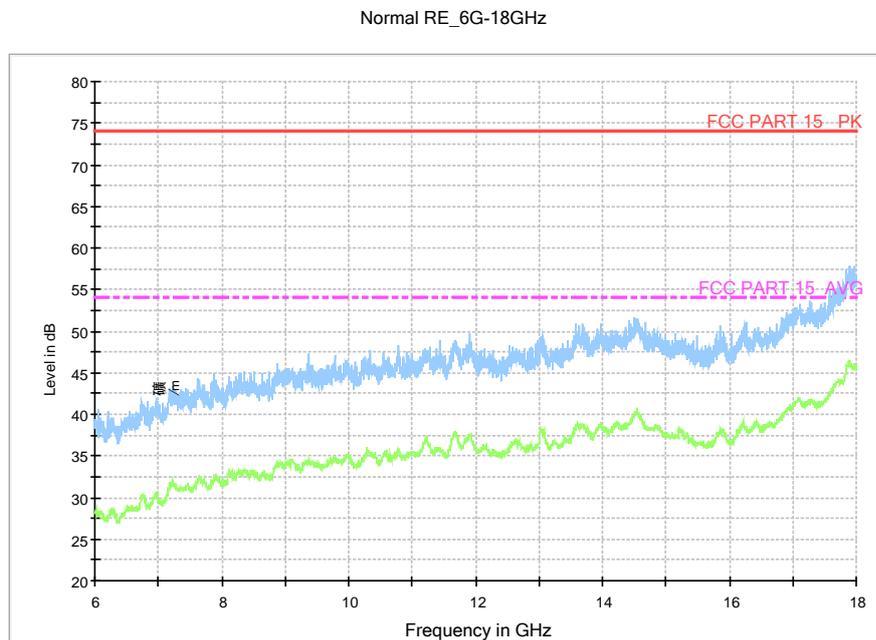
**Fig. 51 Radiated Spurious Emission (802.11a, ch36, 6 GHz-18 GHz)**



**Fig. 52 Radiated Spurious Emission (802.11a, ch40, 30 MHz-1 GHz)**

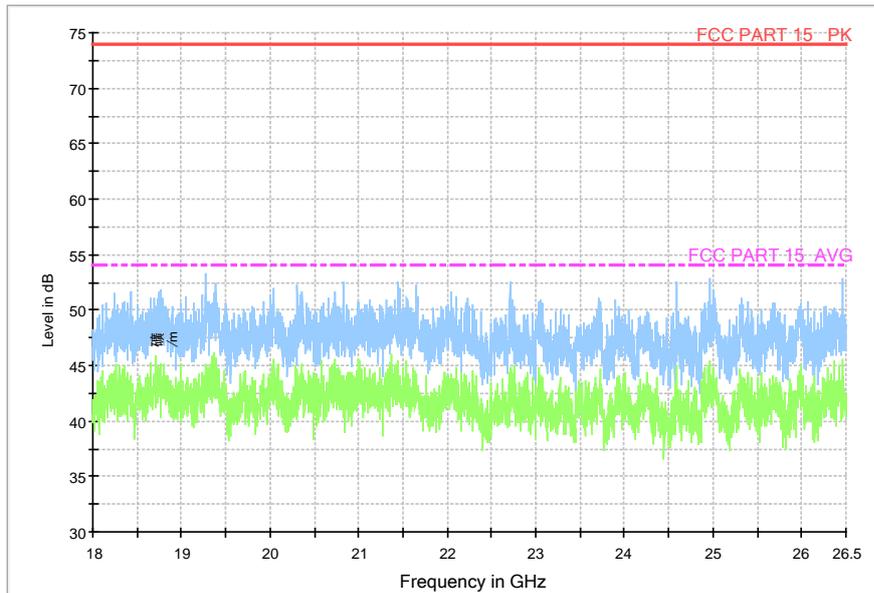


**Fig. 53 Radiated Spurious Emission (802.11a, ch40, 1 GHz-6 GHz)**



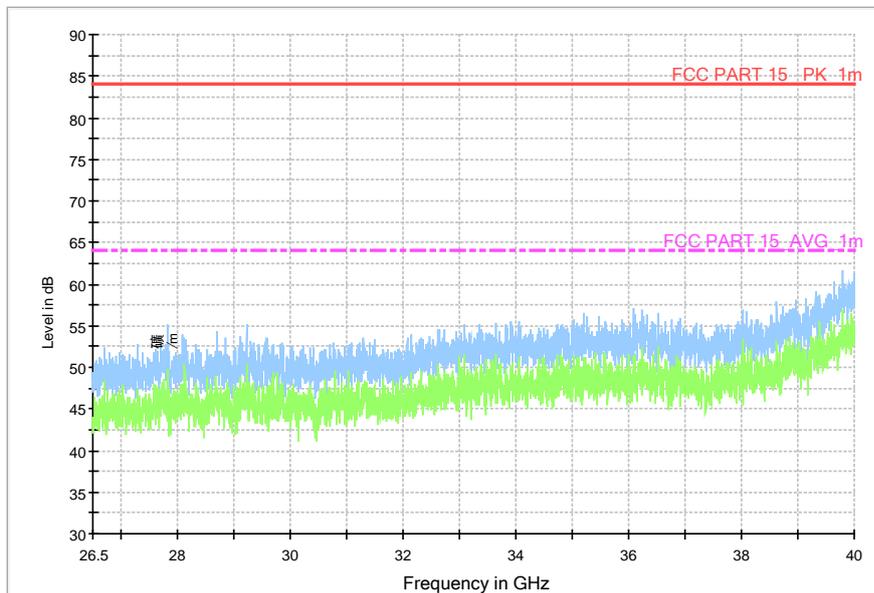
**Fig. 54 Radiated Spurious Emission (802.11a, ch40, 6 GHz-18 GHz)**

Normal RE\_18G-26.5GHz

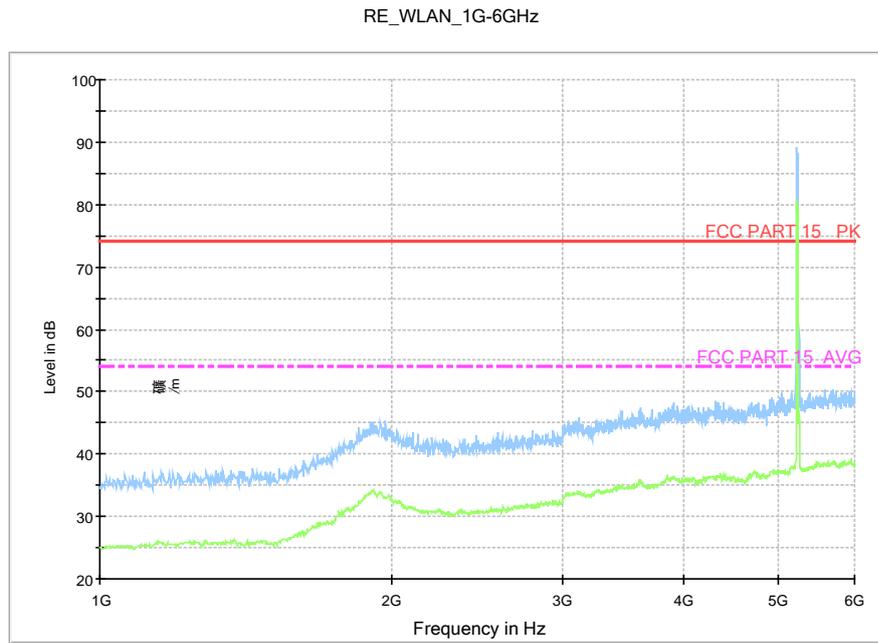


**Fig. 55 Radiated Spurious Emission (802.11a, ch40, 18 GHz-26.5 GHz)**

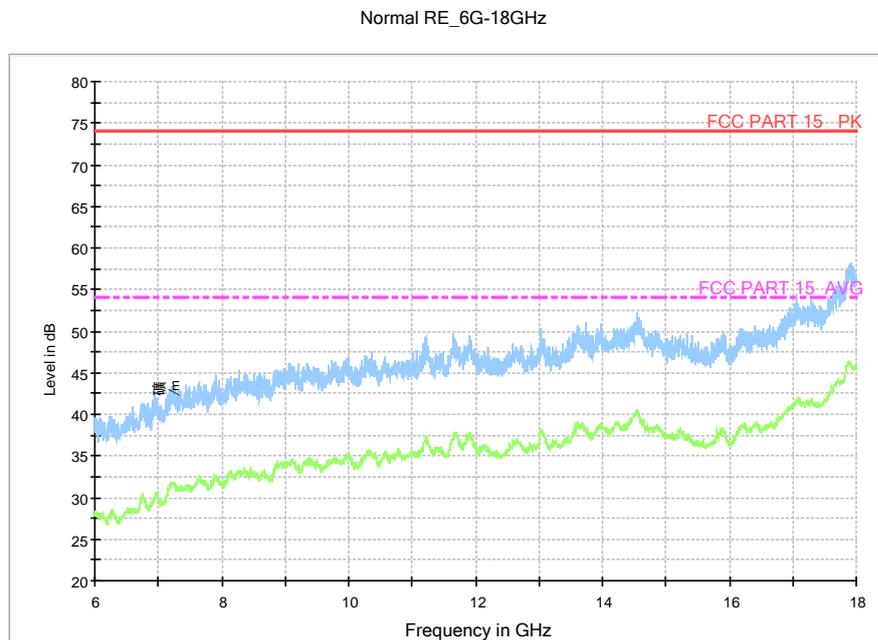
Normal RE\_26.5G-40GHz



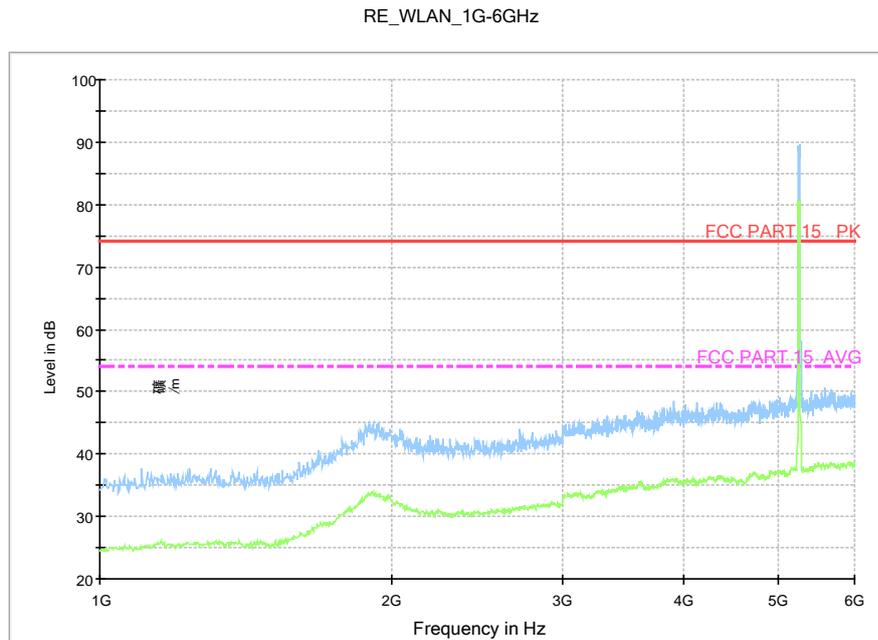
**Fig. 56 Radiated Spurious Emission (802.11a, ch40, 26.5 GHz-40 GHz)**



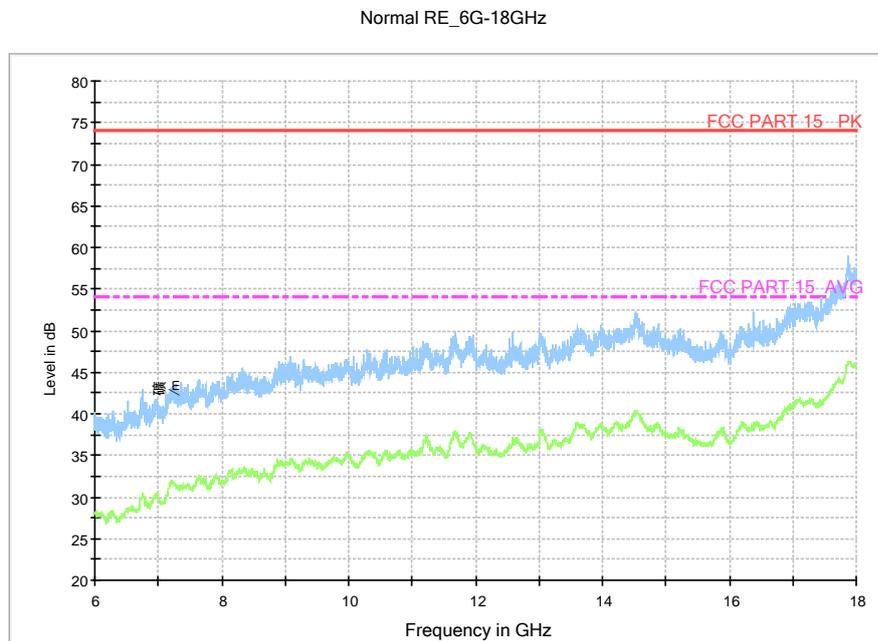
**Fig. 57 Radiated Spurious Emission (802.11a, ch48, 1 GHz-6 GHz)**



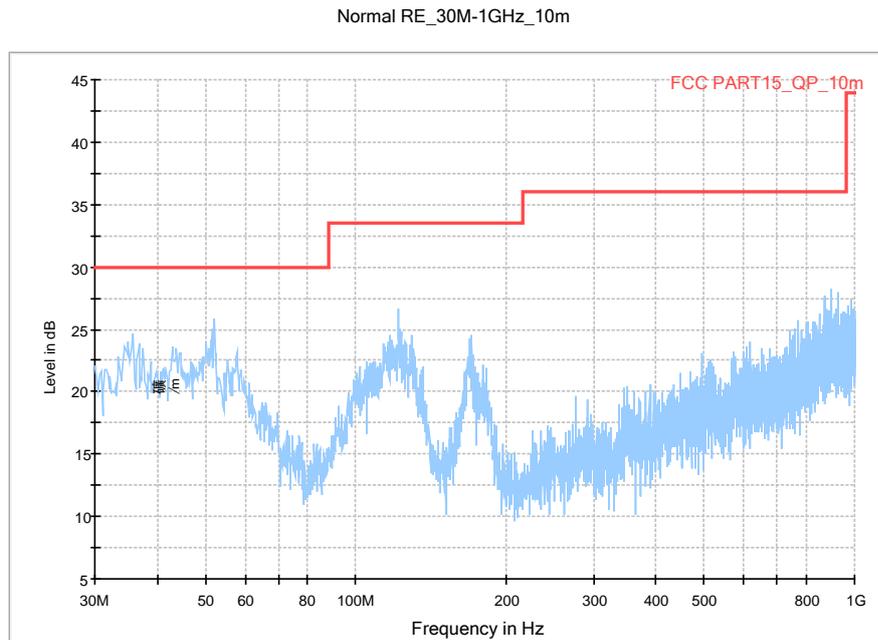
**Fig. 58 Radiated Spurious Emission (802.11a, ch48, 6 GHz-18 GHz)**



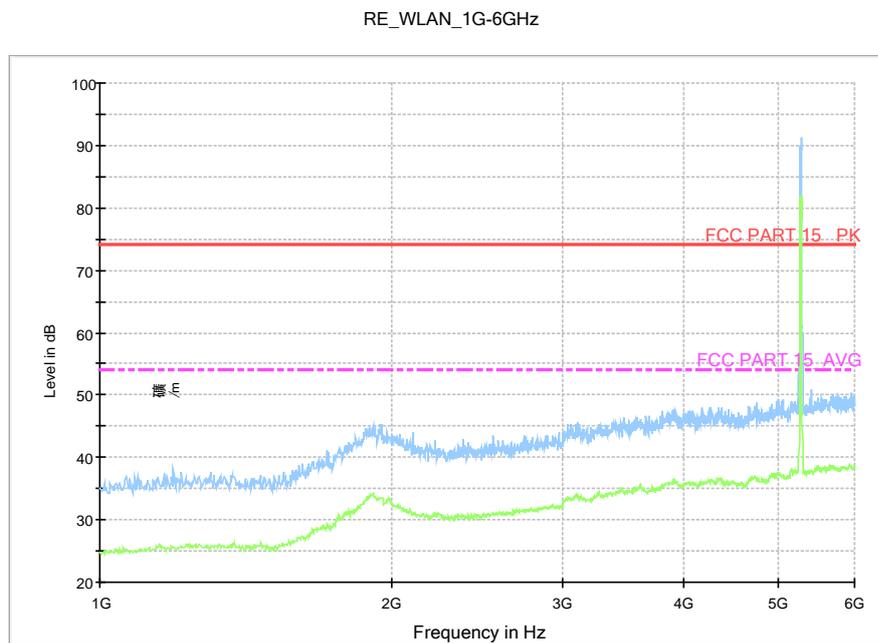
**Fig. 59 Radiated Spurious Emission (802.11a, ch52, 1 GHz-6 GHz)**



**Fig. 60 Radiated Spurious Emission (802.11a, ch52, 6 GHz-18 GHz)**



**Fig. 61 Radiated Spurious Emission (802.11a, ch56, 30 MHz-1 GHz)**



**Fig. 62 Radiated Spurious Emission (802.11a, ch56, 1 GHz-6 GHz)**

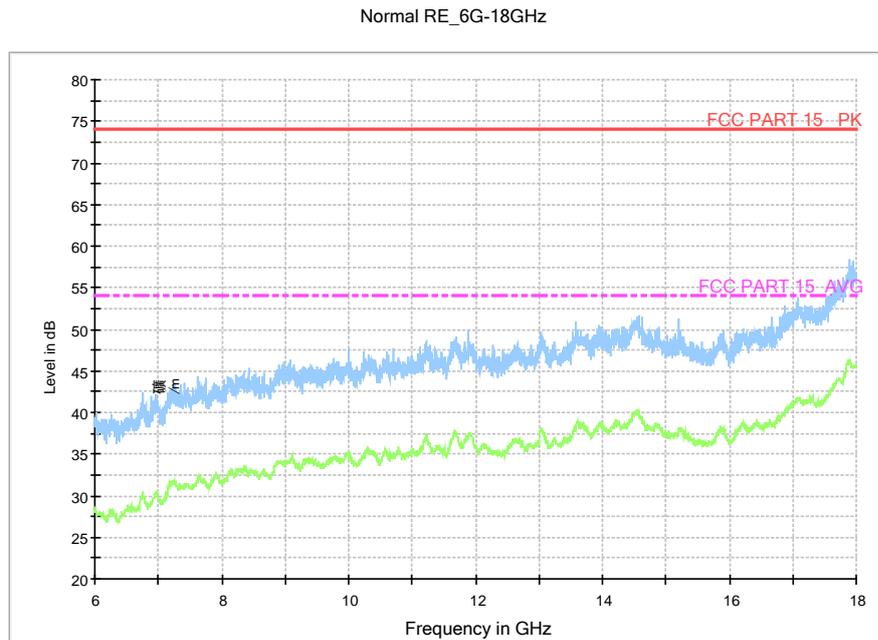


Fig. 63 Radiated Spurious Emission (802.11a, ch56, 6 GHz-18 GHz)

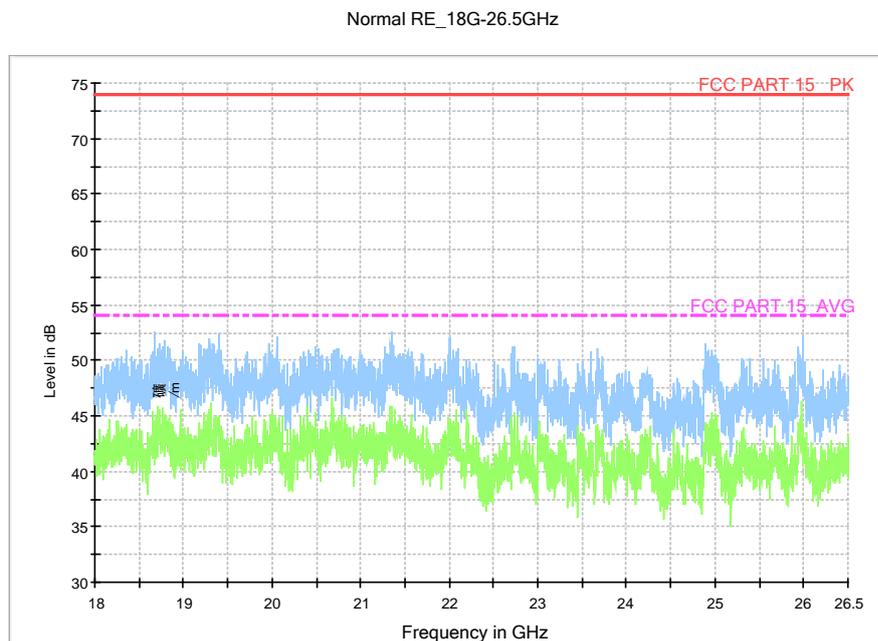
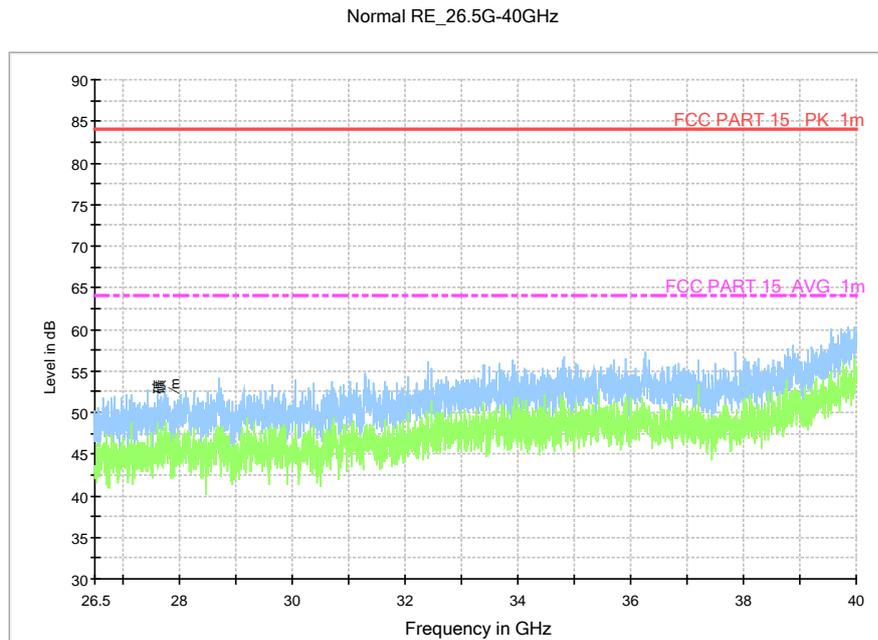
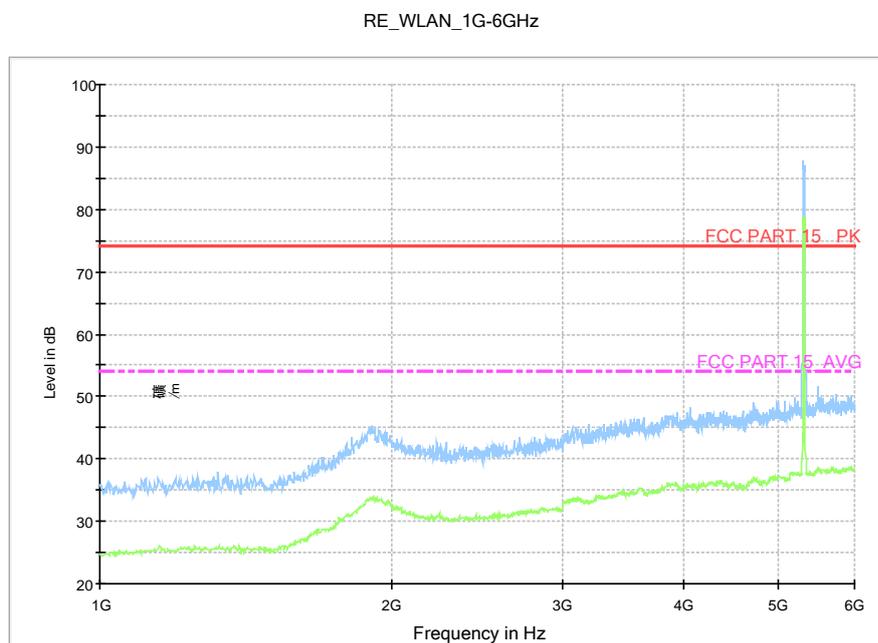


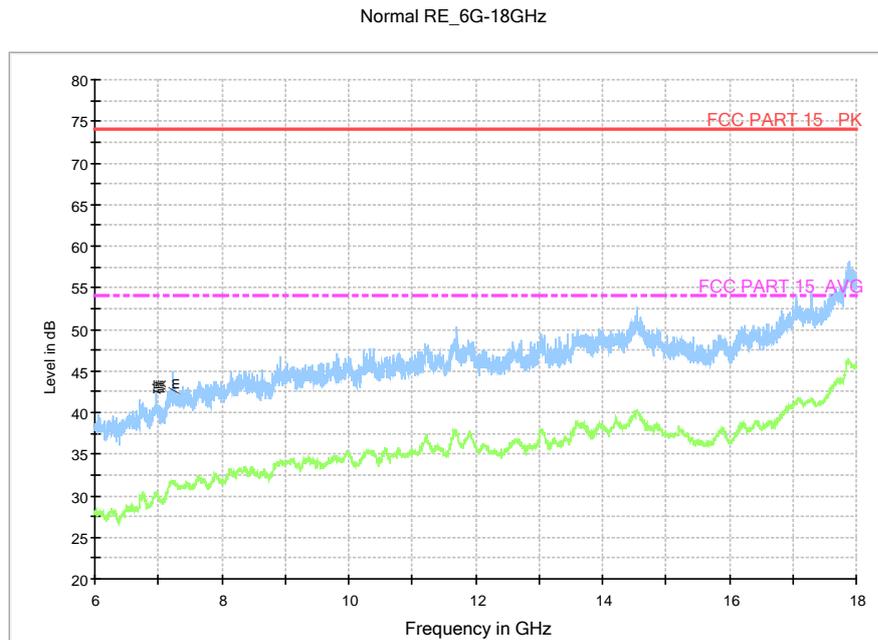
Fig. 64 Radiated Spurious Emission (802.11a, ch56, 18 GHz-26.5 GHz)



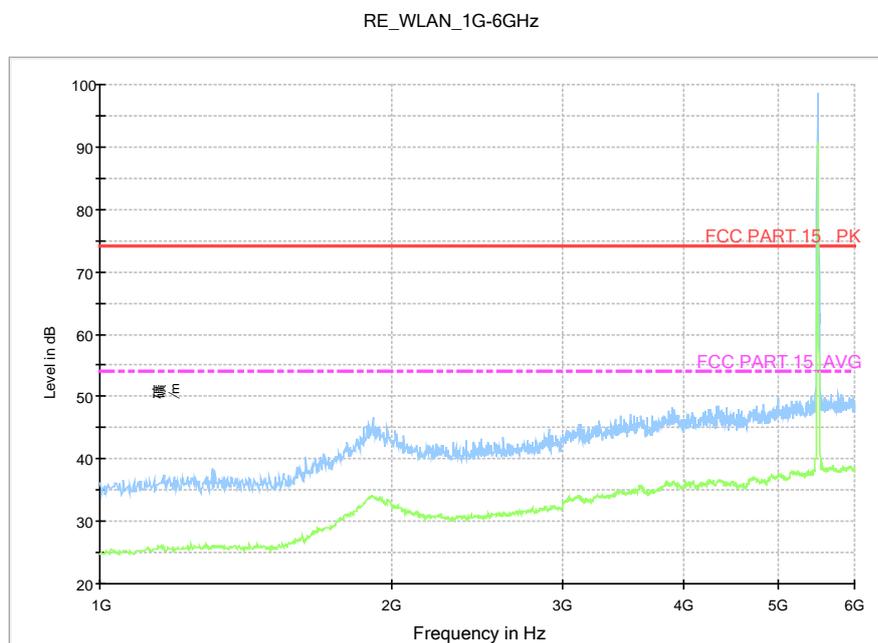
**Fig. 65 Radiated Spurious Emission (802.11a, ch56, 26.5 GHz-40 GHz)**



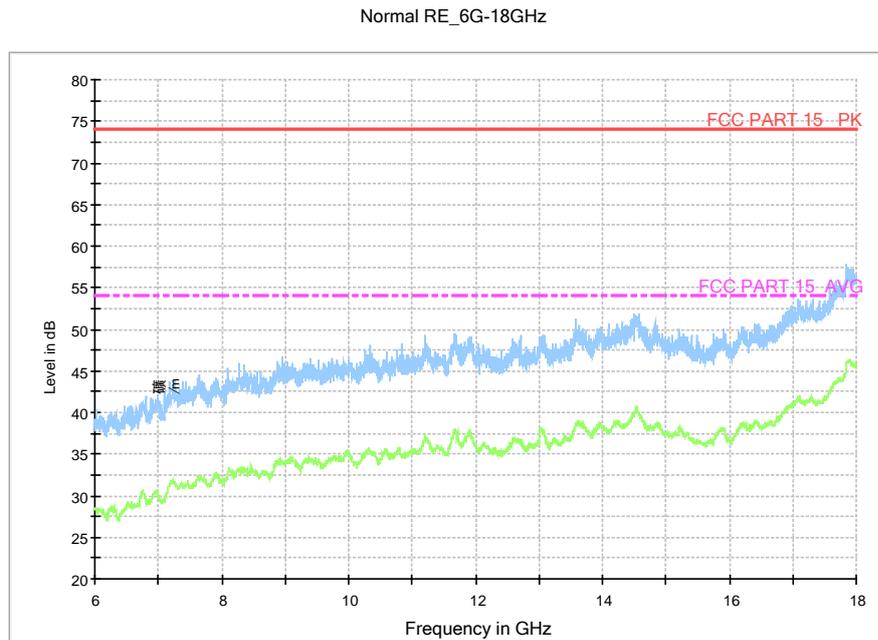
**Fig. 66 Radiated Spurious Emission (802.11a, ch64, 1 GHz-6 GHz)**



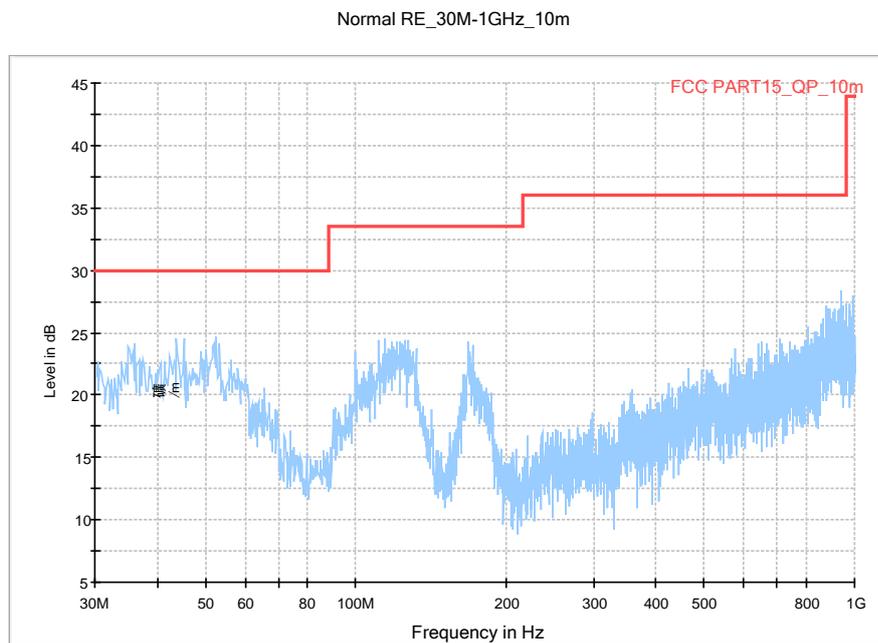
**Fig. 67 Radiated Spurious Emission (802.11a, ch64, 6 GHz-18 GHz)**



**Fig. 68 Radiated Spurious Emission (802.11a, ch100, 1 GHz-6 GHz)**



**Fig. 69 Radiated Spurious Emission (802.11a, ch100, 6 GHz-18 GHz)**



**Fig. 70 Radiated Spurious Emission (802.11a, ch116, 30 MHz-1 GHz)**

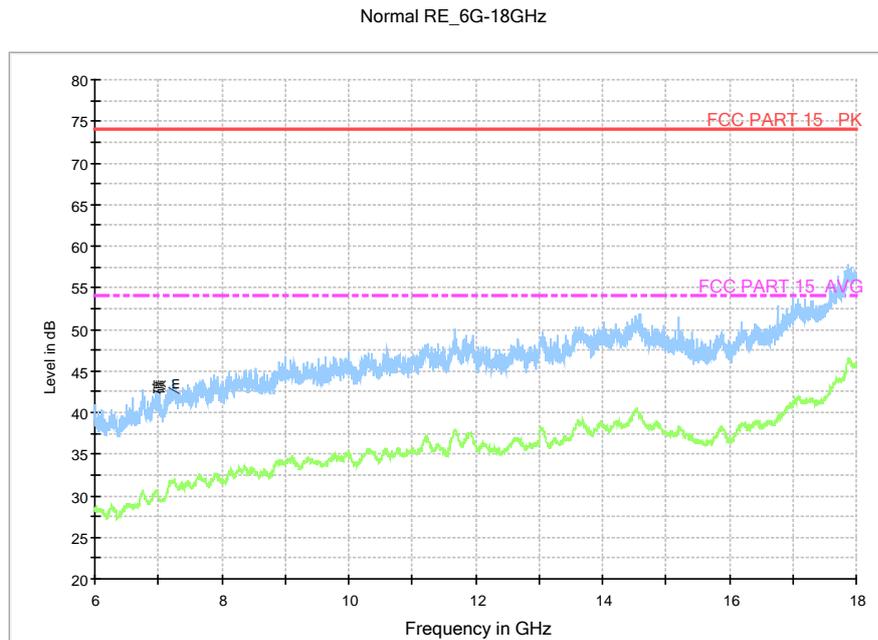


Fig. 71 Radiated Spurious Emission (802.11a, ch116, 6 GHz-18 GHz)

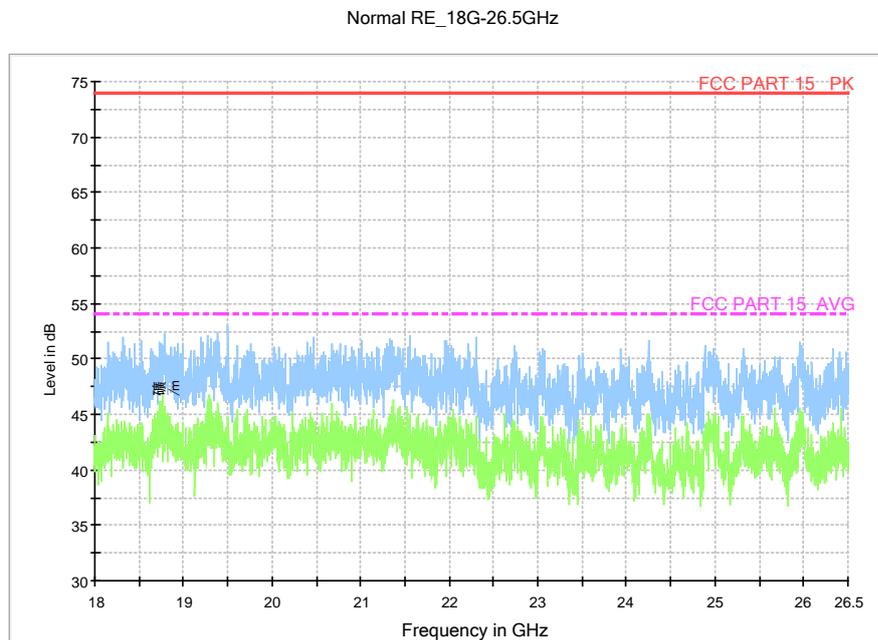


Fig. 72 Radiated Spurious Emission (802.11a, ch116, 18 GHz-26.5 GHz)

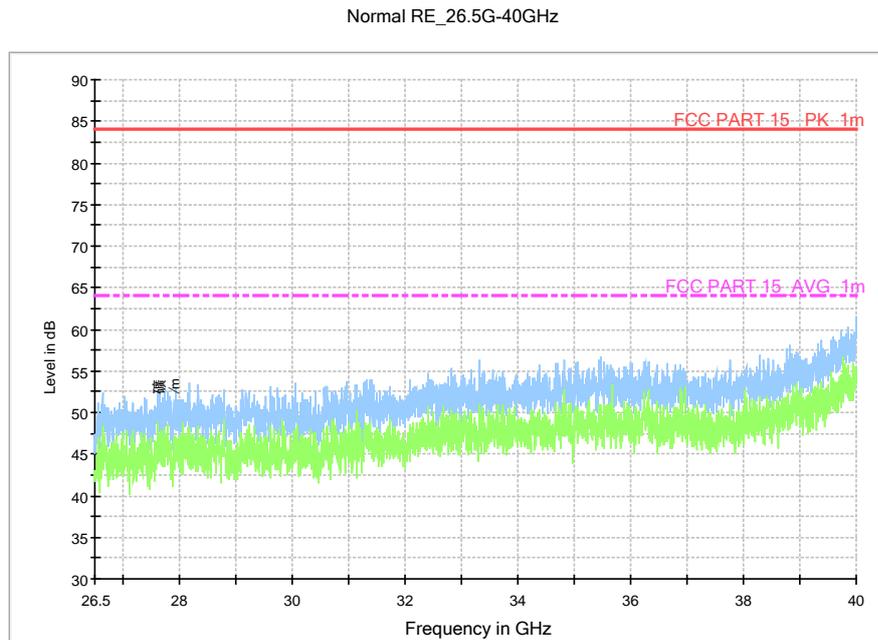


Fig. 73 Radiated Spurious Emission (802.11a, ch116, 26.5 GHz-40 GHz)

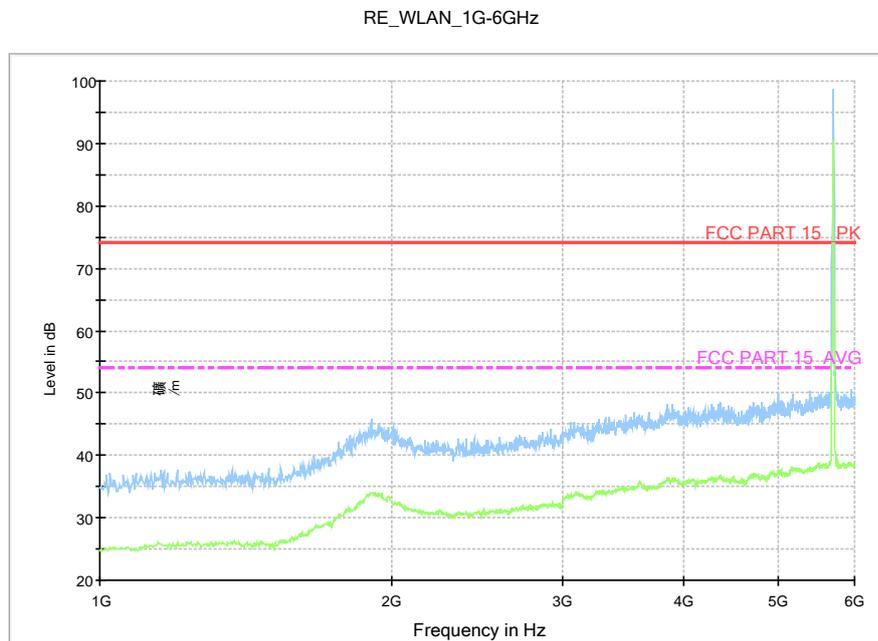
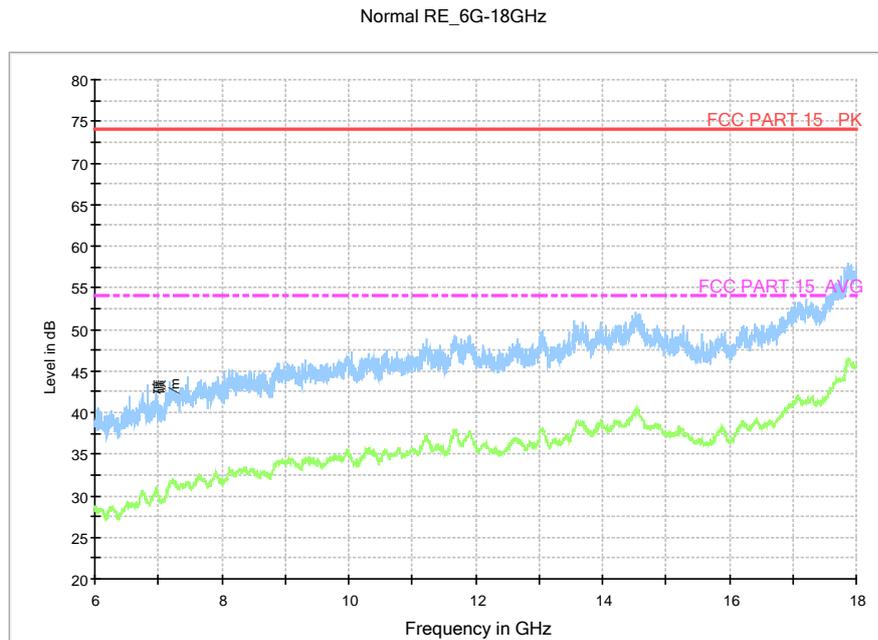
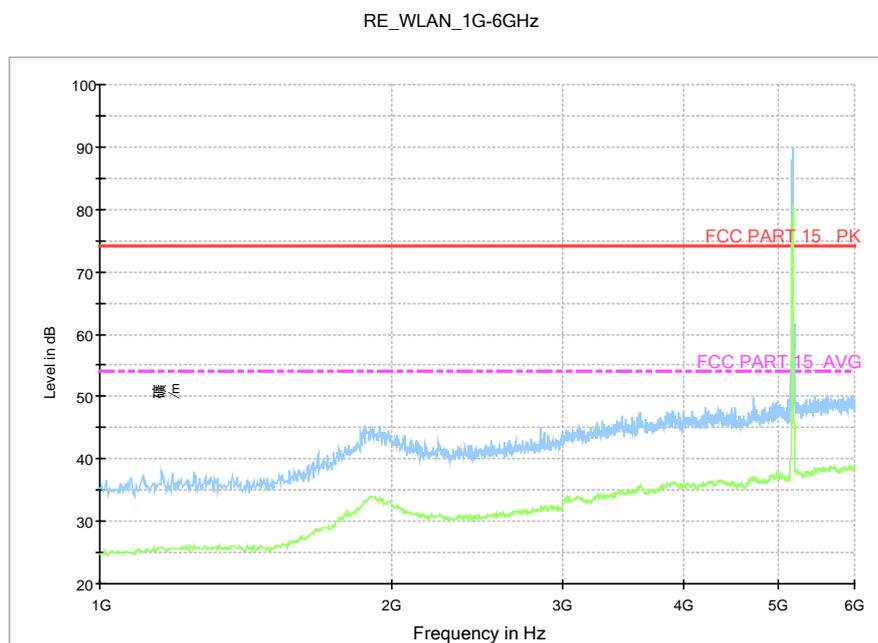


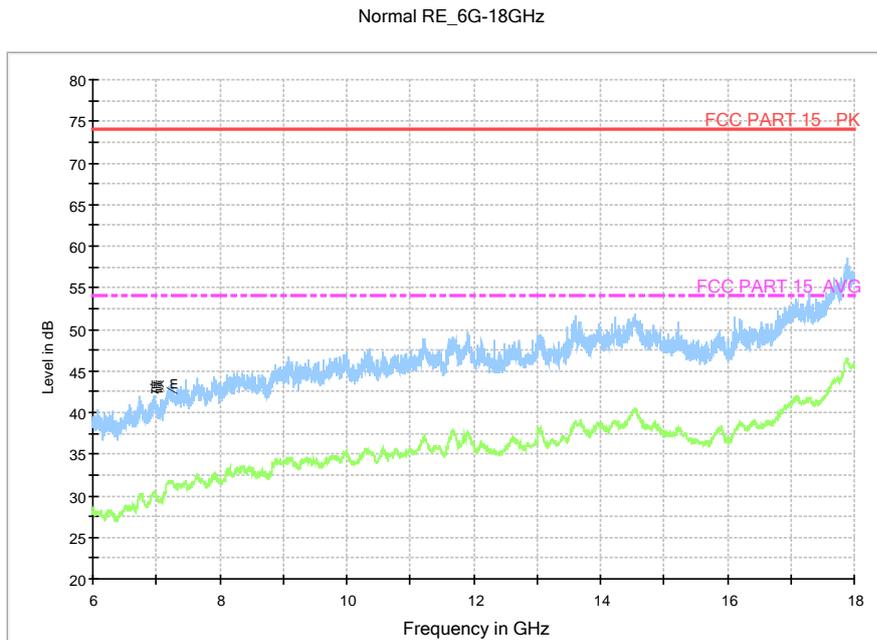
Fig. 74 Radiated Spurious Emission (802.11a, ch140, 1 GHz-6 GHz)



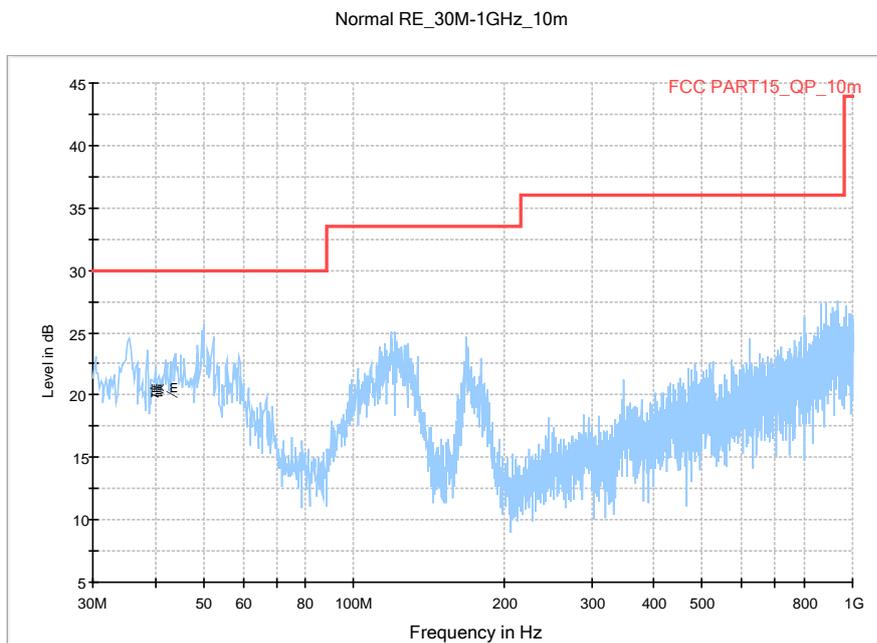
**Fig. 75 Radiated Spurious Emission (802.11a, ch140, 6 GHz-18 GHz)**



**Fig. 76 Radiated Spurious Emission (802.11n-HT20, ch36, 1 GHz-6 GHz)**



**Fig. 77 Radiated Spurious Emission (802.11n-HT20, ch36, 6 GHz-18 GHz)**



**Fig. 78 Radiated Spurious Emission (802.11n-HT20, ch40, 30 MHz-1 GHz)**

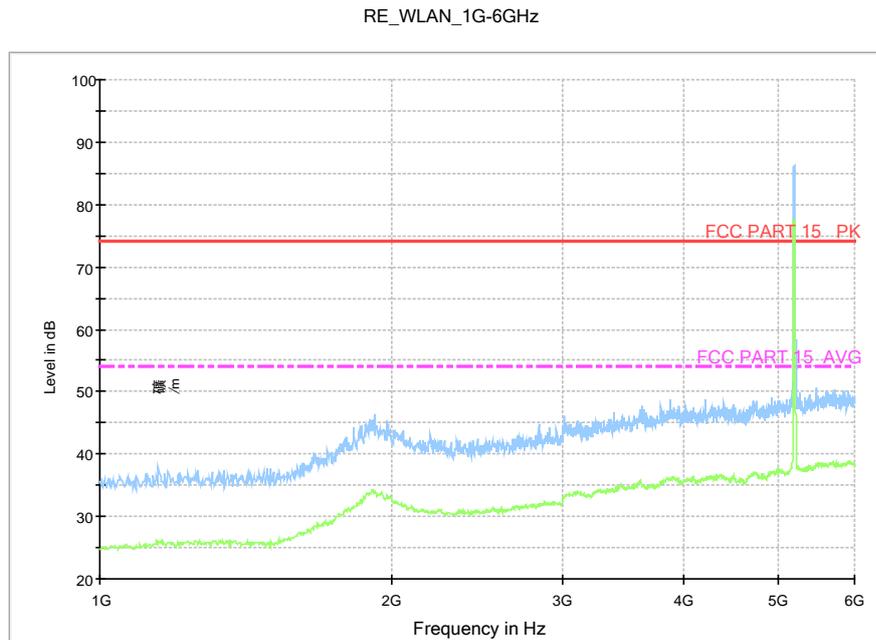


Fig. 79 Radiated Spurious Emission (802.11n-HT20, ch40, 1 GHz-6 GHz)

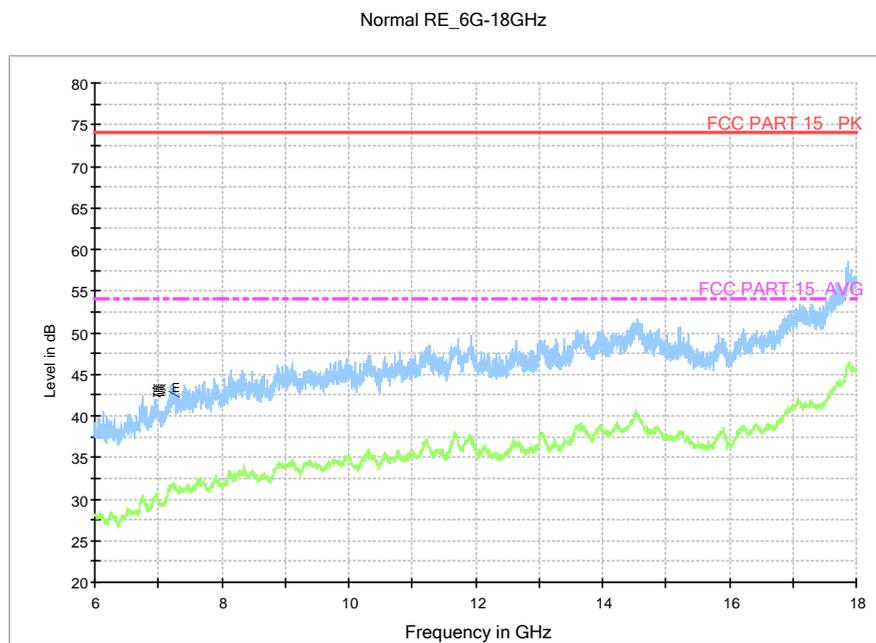


Fig. 80 Radiated Spurious Emission (802.11n-HT20, ch40, 6 GHz-18 GHz)

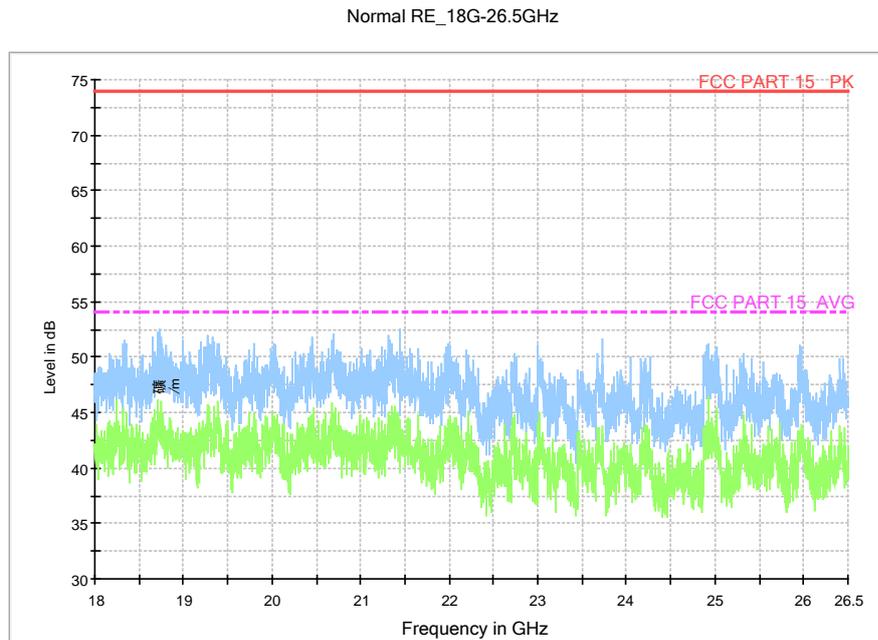


Fig. 81 Radiated Spurious Emission (802.11n-HT20, ch40, 18 GHz-26.5 GHz)

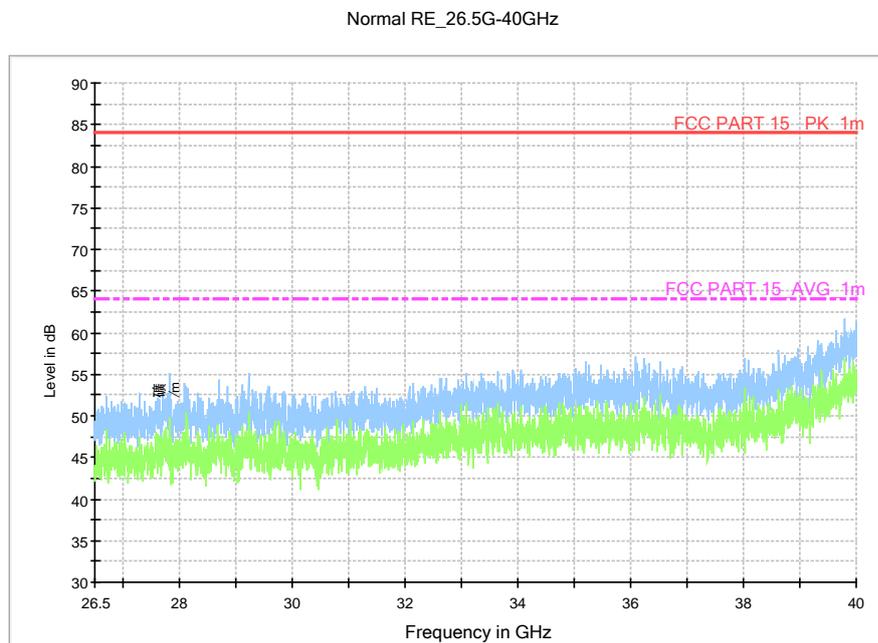


Fig. 82 Radiated Spurious Emission (802.11n-HT20, ch40, 26.5 GHz-40 GHz)

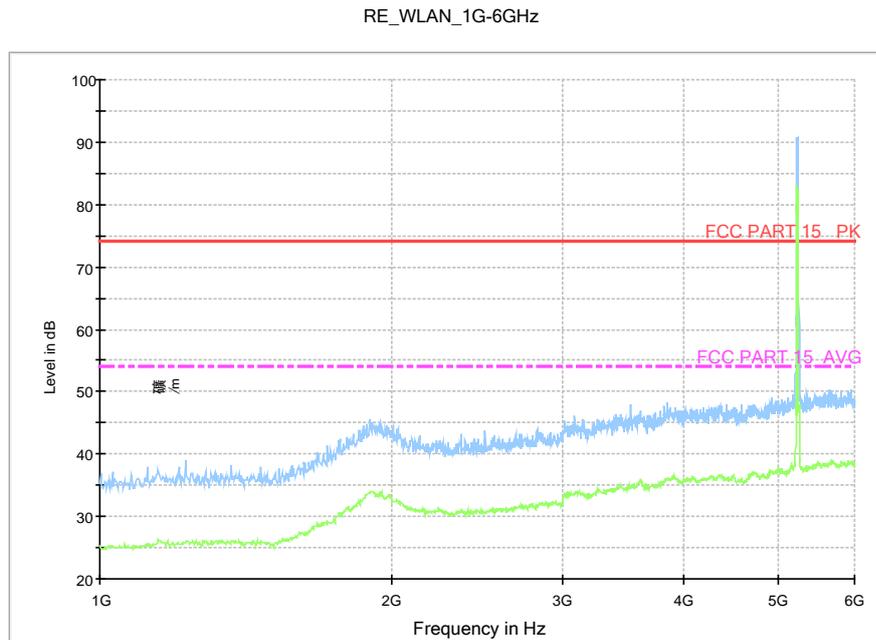


Fig. 83 Radiated Spurious Emission (802.11n-HT20, ch48, 1 GHz-6 GHz)

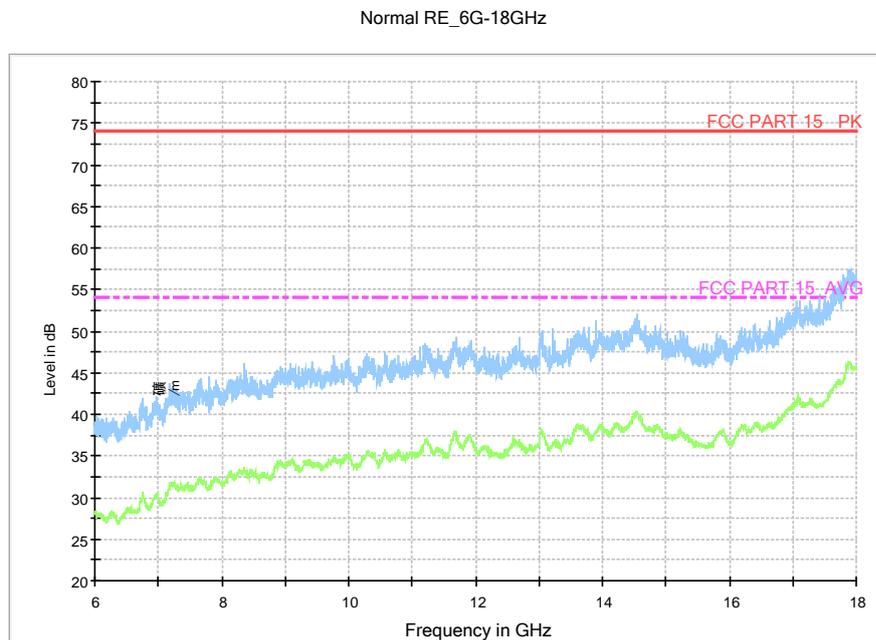
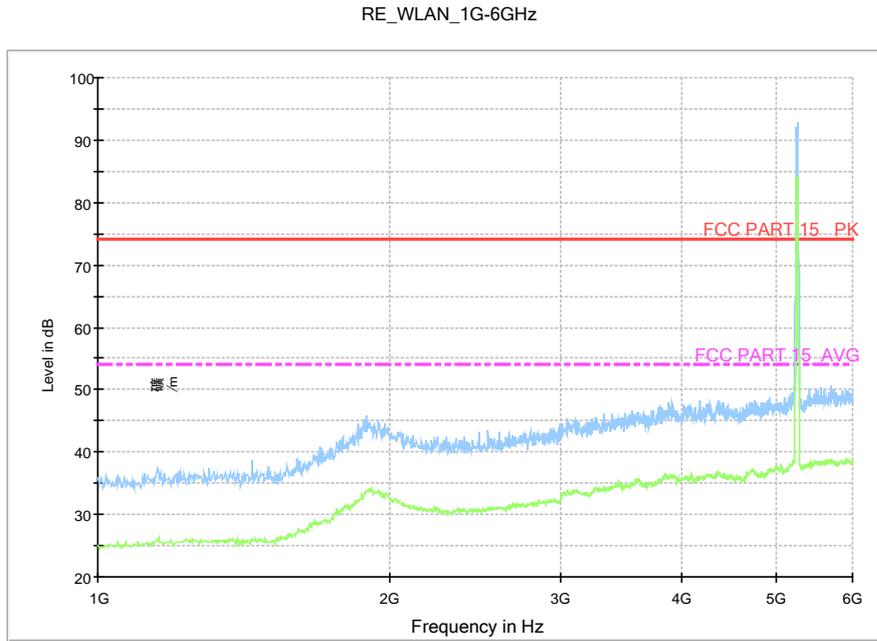
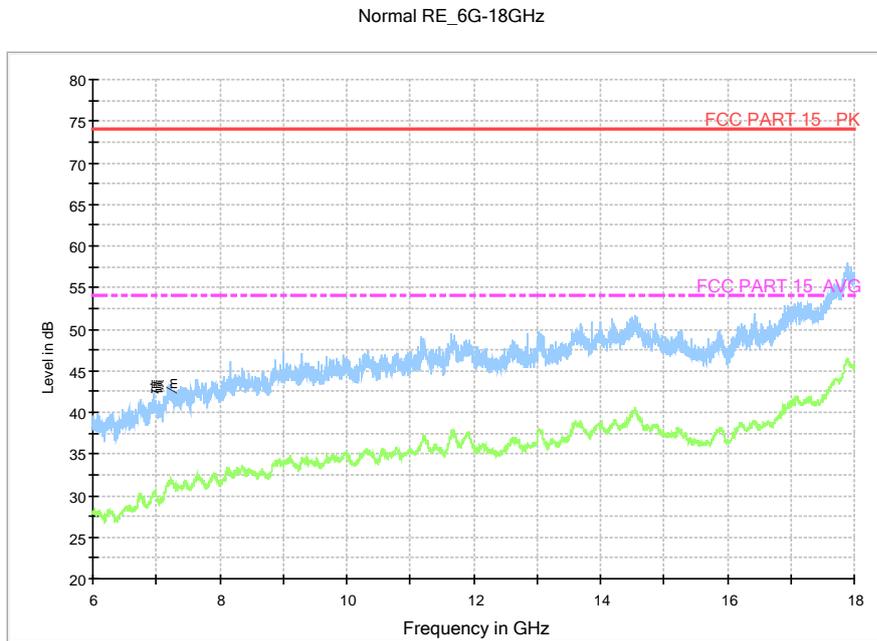


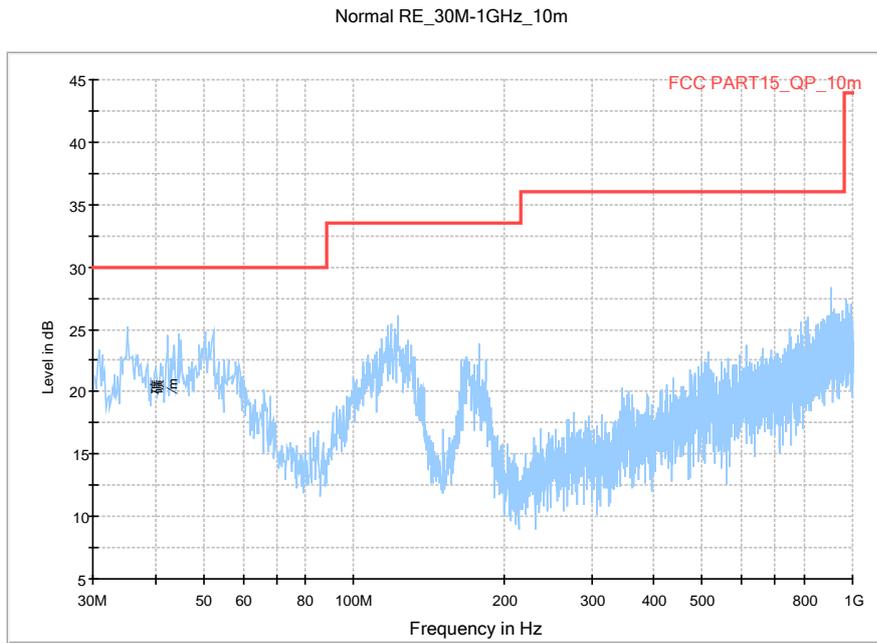
Fig. 84 Radiated Spurious Emission (802.11n-HT20, ch48, 6 GHz-18 GHz)



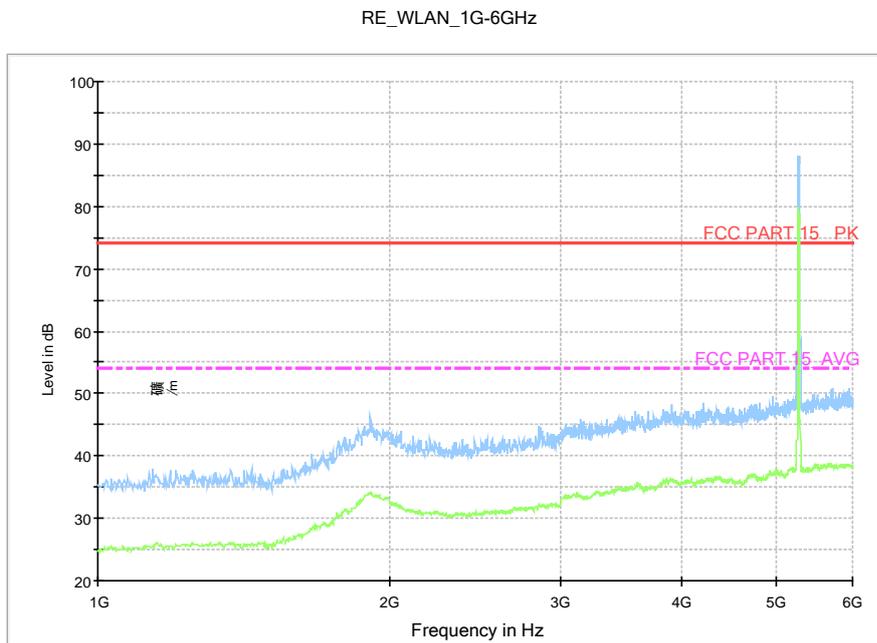
**Fig. 85 Radiated Spurious Emission (802.11n-HT20, ch52, 1 GHz-6 GHz)**



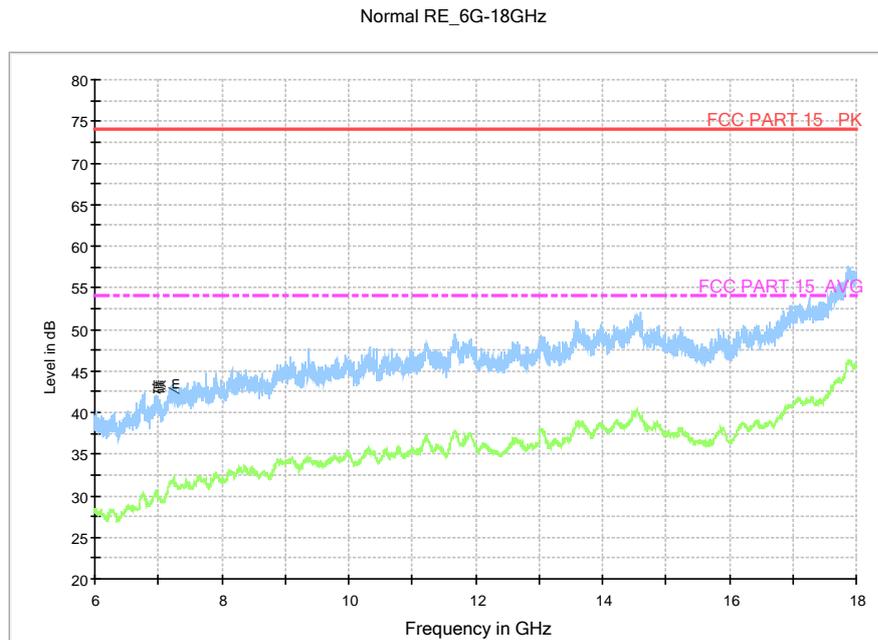
**Fig. 86 Radiated Spurious Emission (802.11n-HT20, ch52, 6 GHz-18 GHz)**



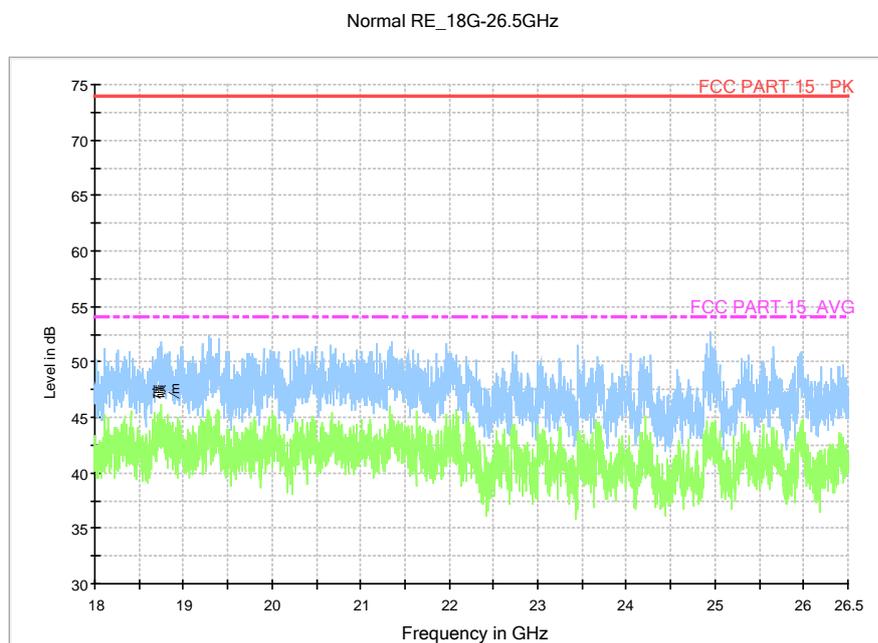
**Fig. 87 Radiated Spurious Emission (802.11n-HT20, ch56, 30 MHz-1 GHz)**



**Fig. 88 Radiated Spurious Emission (802.11n-HT20, ch56, 1 GHz-6 GHz)**



**Fig. 89 Radiated Spurious Emission (802.11n-HT20, ch56, 6 GHz-18 GHz)**



**Fig. 90 Radiated Spurious Emission (802.11n-HT20, ch56, 18 GHz-26.5 GHz)**

Normal RE\_26.5G-40GHz

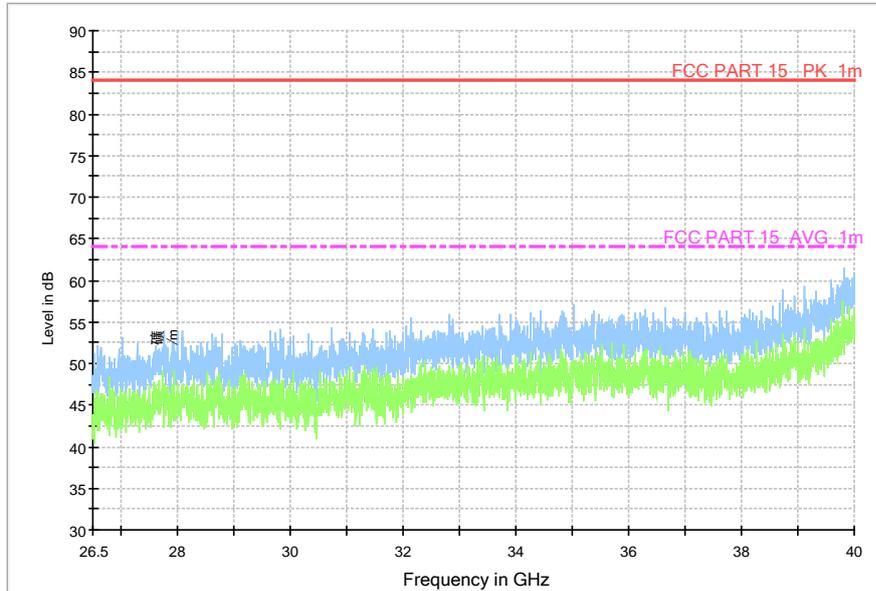


Fig. 91 Radiated Spurious Emission (802.11n-HT20, ch56, 26.5 GHz-40 GHz)

RE\_WLAN\_1G-6GHz

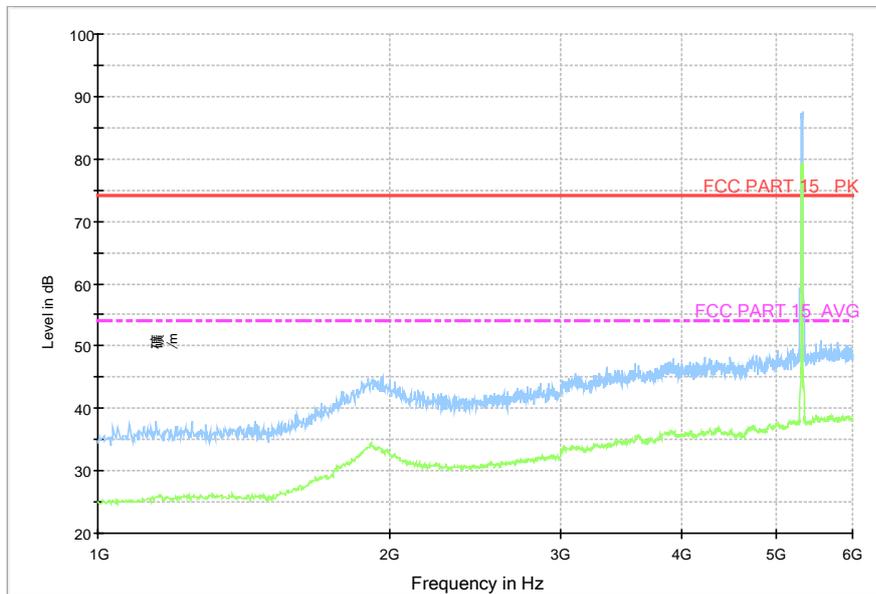
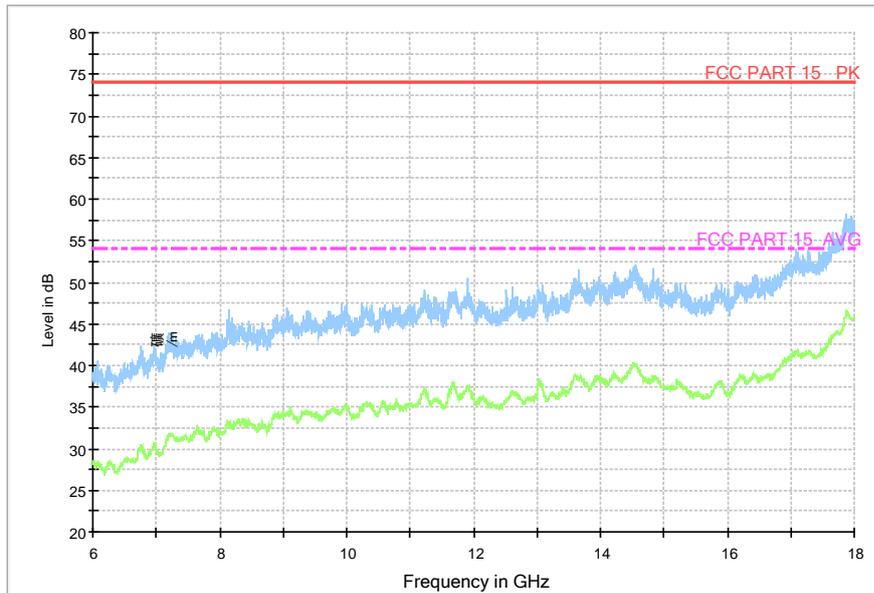


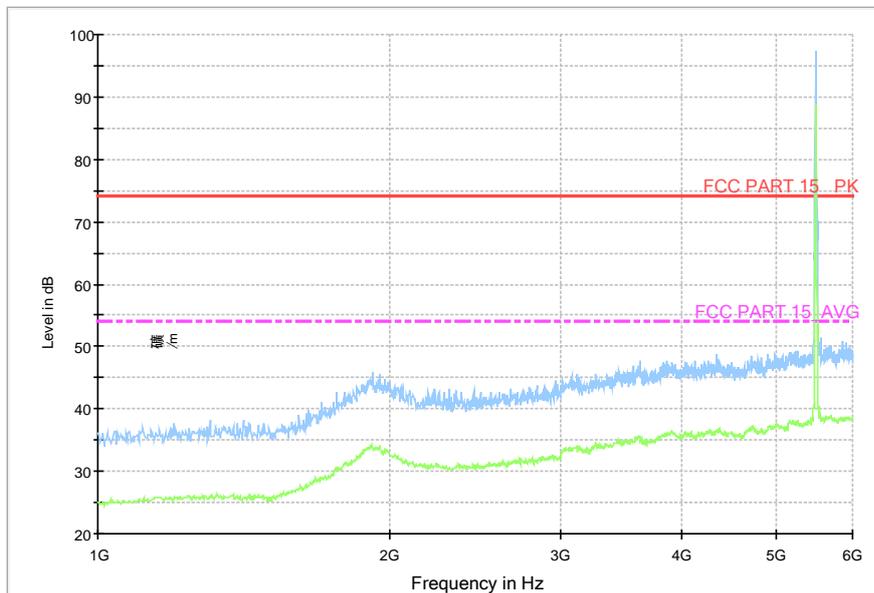
Fig. 92 Radiated Spurious Emission (802.11n-HT20, ch64, 1 GHz-6 GHz)

Normal RE\_6G-18GHz

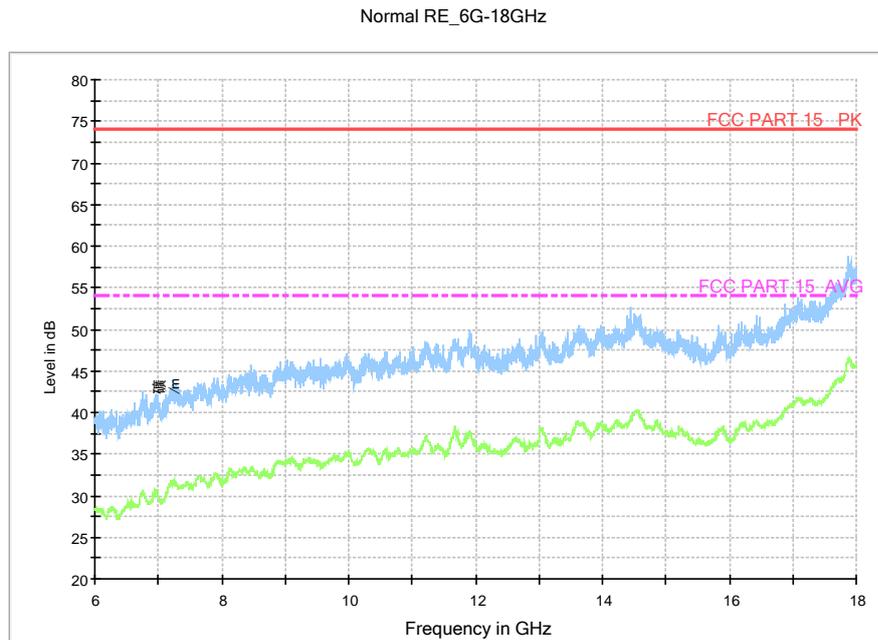


**Fig. 93 Radiated Spurious Emission (802.11n-HT20, ch64, 6 GHz-18 GHz)**

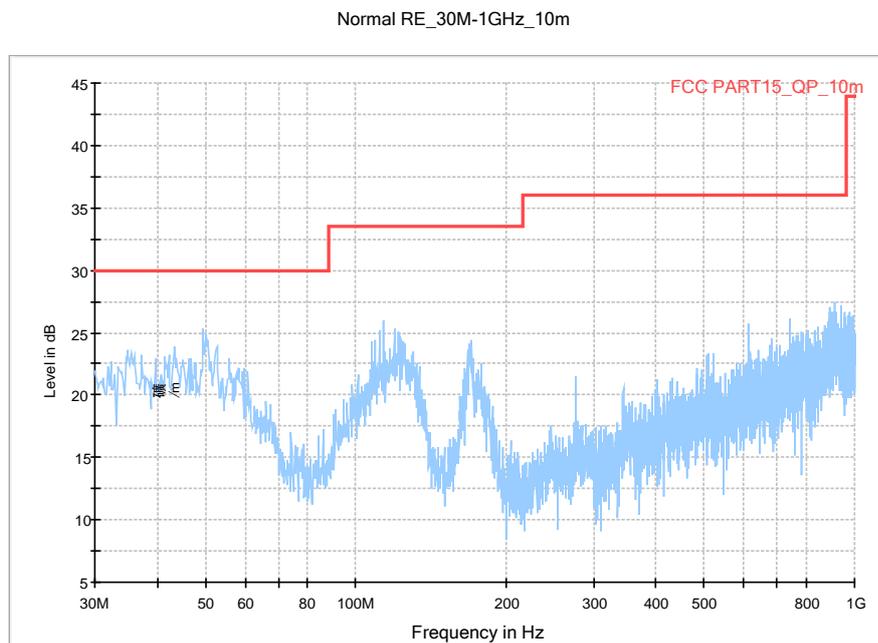
RE\_WLAN\_1G-6GHz



**Fig. 94 Radiated Spurious Emission (802.11n-HT20, ch100, 1 GHz-6 GHz)**



**Fig. 95 Radiated Spurious Emission (802.11n-HT20, ch100, 6 GHz-18 GHz)**



**Fig. 96 Radiated Spurious Emission (802.11n-HT20, ch116, 30 MHz-1 GHz)**

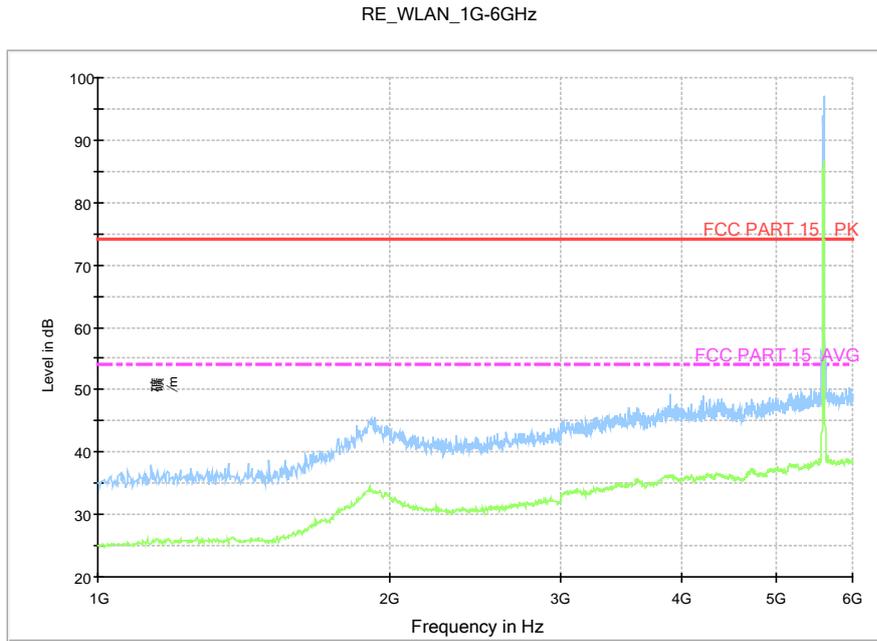


Fig. 97 Radiated Spurious Emission (802.11n-HT20, ch116, 1 GHz-6 GHz)

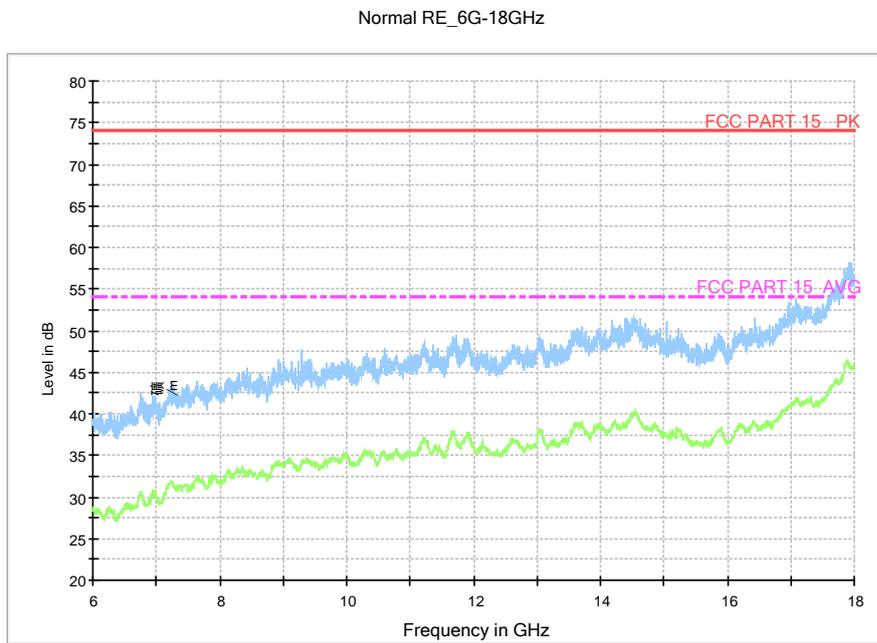
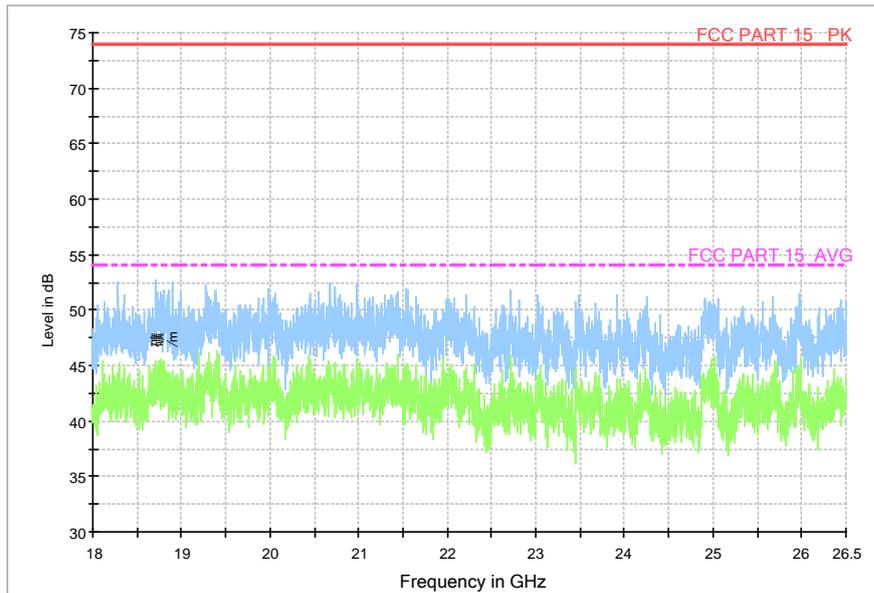


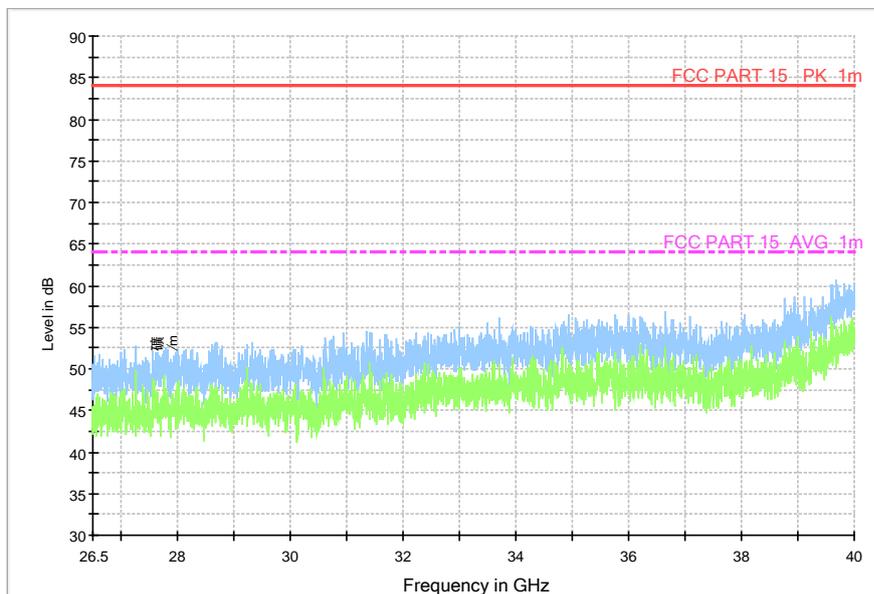
Fig. 98 Radiated Spurious Emission (802.11n-HT20, ch116, 6 GHz-18 GHz)

Normal RE\_18G-26.5GHz



**Fig. 99 Radiated Spurious Emission (802.11n-HT20, ch116, 18 GHz-26.5 GHz)**

Normal RE\_26.5G-40GHz



**Fig. 100 Radiated Spurious Emission (802.11n-HT20, ch116, 26.5 GHz-40 GHz)**

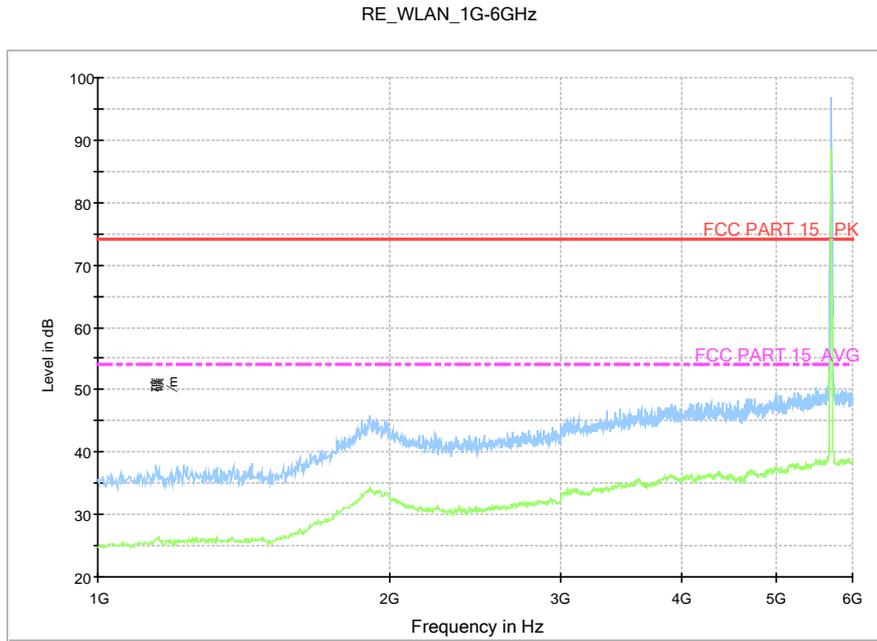


Fig. 101 Radiated Spurious Emission (802.11n-HT20, ch140, 1 GHz-6 GHz)

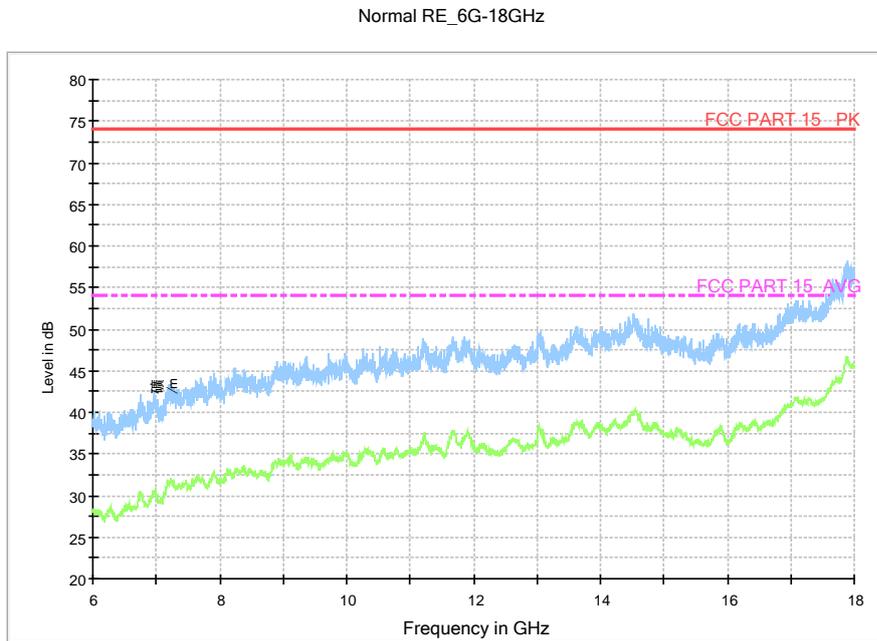


Fig. 102 Radiated Spurious Emission (802.11n-HT20, ch140, 6 GHz-18 GHz)

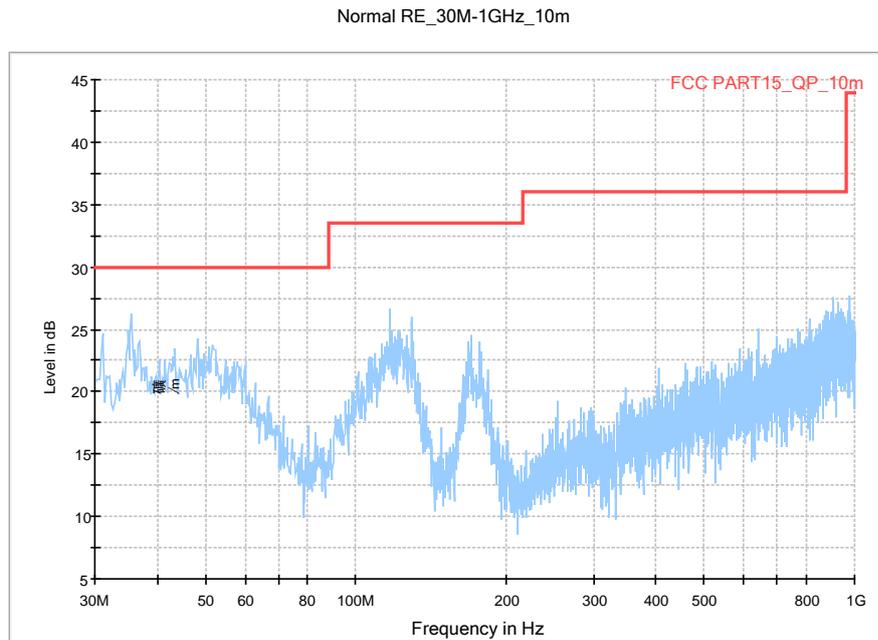


Fig. 103 Radiated Spurious Emission (802.11n-HT40, ch38, 30 MHz-1 GHz)

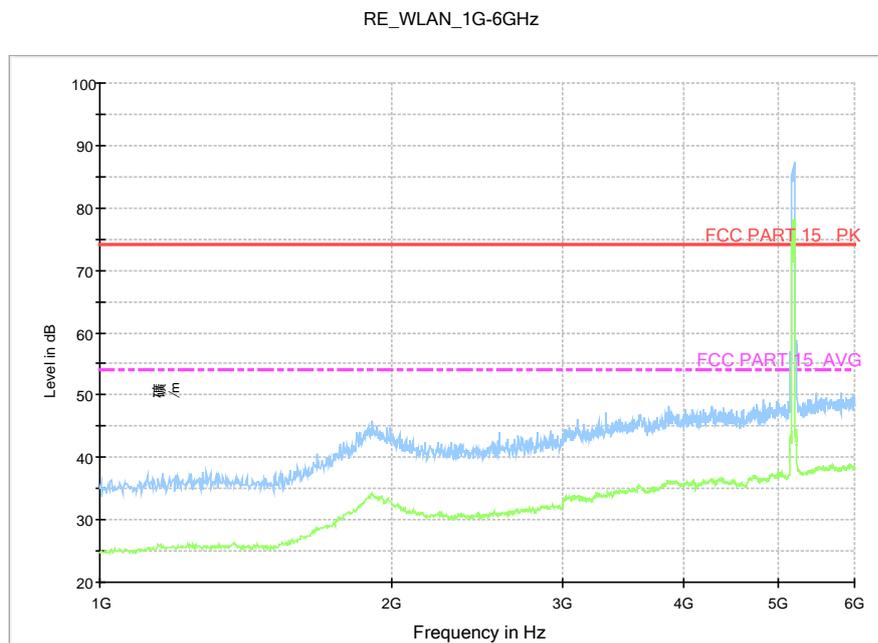
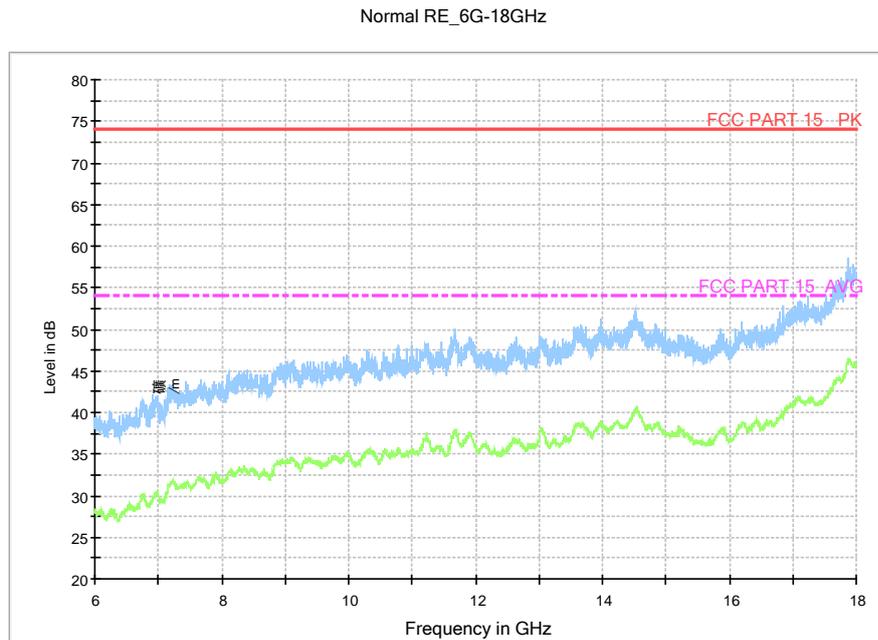
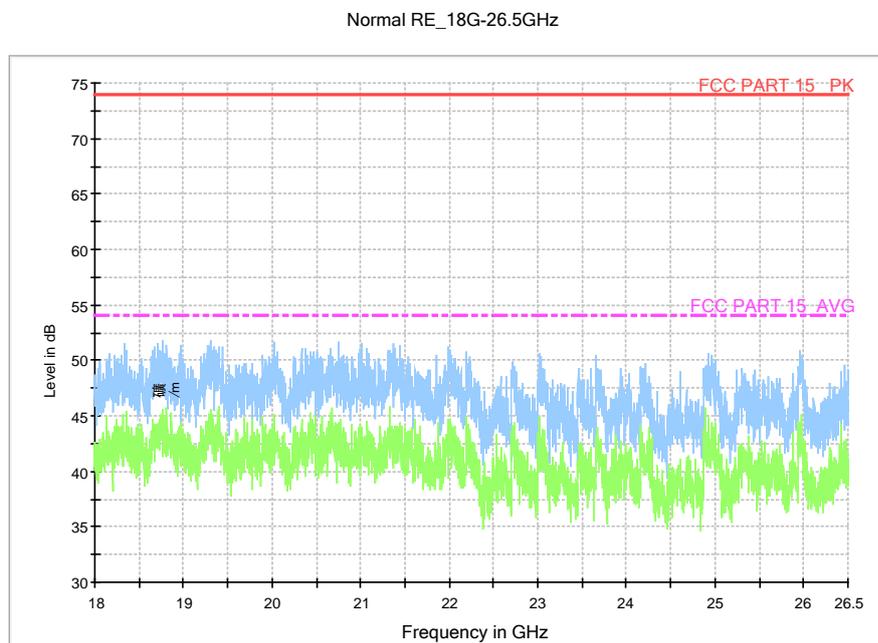


Fig. 104 Radiated Spurious Emission (802.11n-HT40, ch38, 1 GHz-6 GHz)

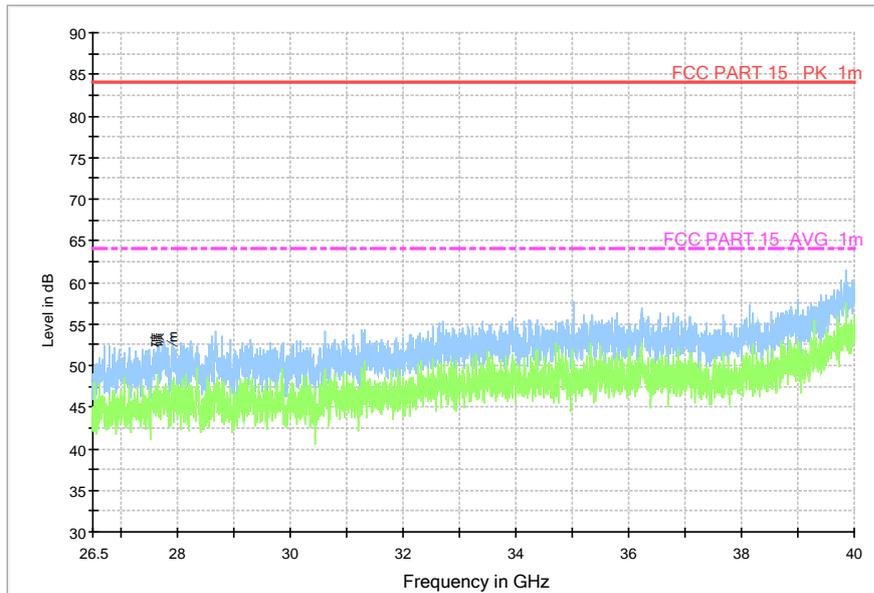


**Fig. 105 Radiated Spurious Emission (802.11n-HT40, ch38, 6 GHz-18 GHz)**



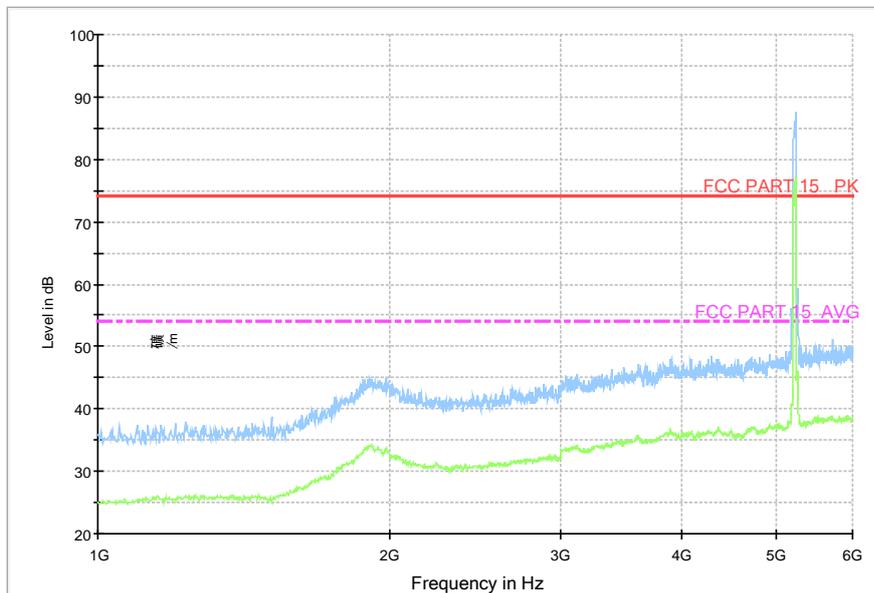
**Fig. 106 Radiated Spurious Emission (802.11n-HT40, ch38, 18 GHz-26.5 GHz)**

Normal RE\_26.5G-40GHz



**Fig. 107 Radiated Spurious Emission (802.11n-HT40, ch38, 26.5 GHz-40 GHz)**

RE\_WLAN\_1G-6GHz



**Fig. 108 Radiated Spurious Emission (802.11n-HT40, ch46, 1 GHz-6 GHz)**

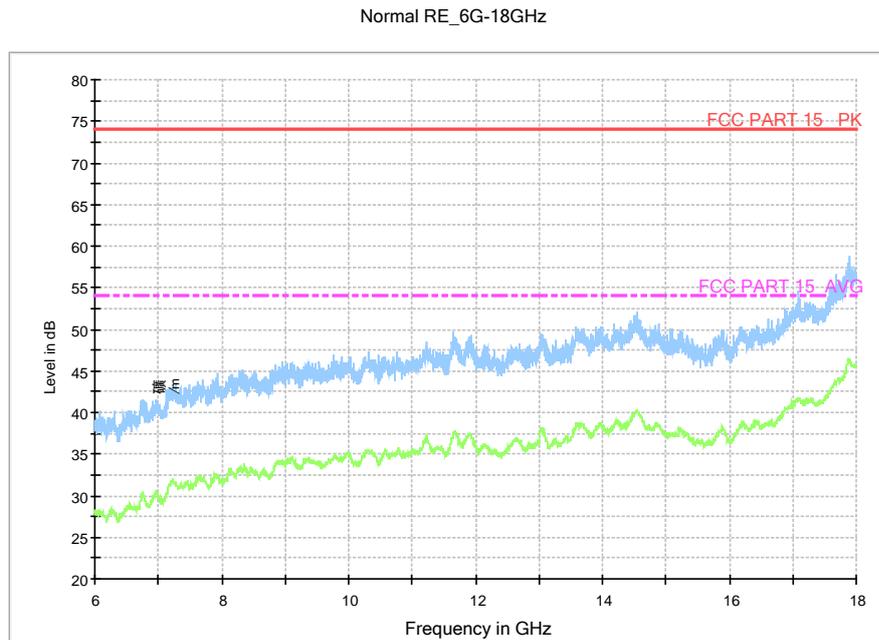


Fig. 109 Radiated Spurious Emission (802.11n-HT40, ch46, 6 GHz-18 GHz)

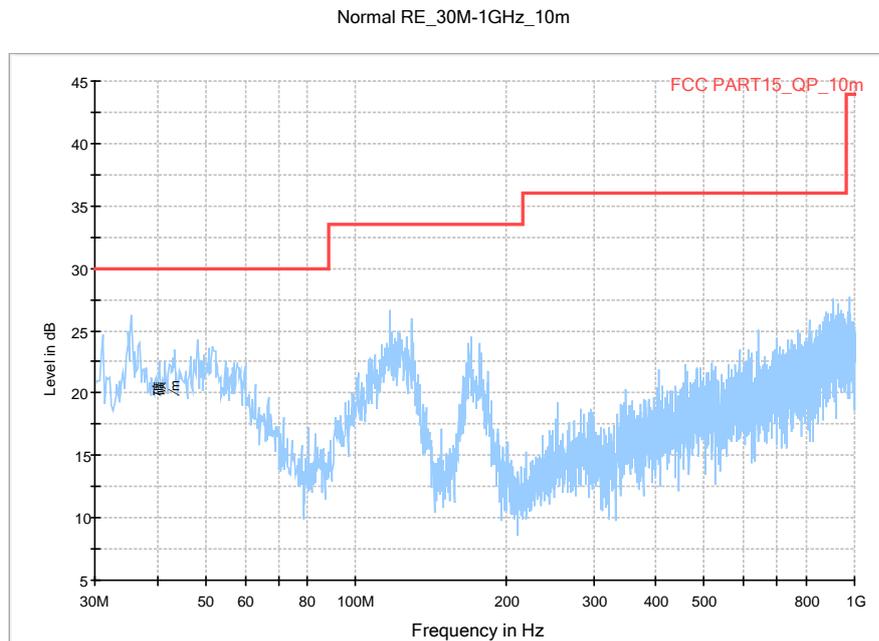


Fig. 110 Radiated Spurious Emission (802.11n-HT40, ch46, 30 MHz-1 GHz)

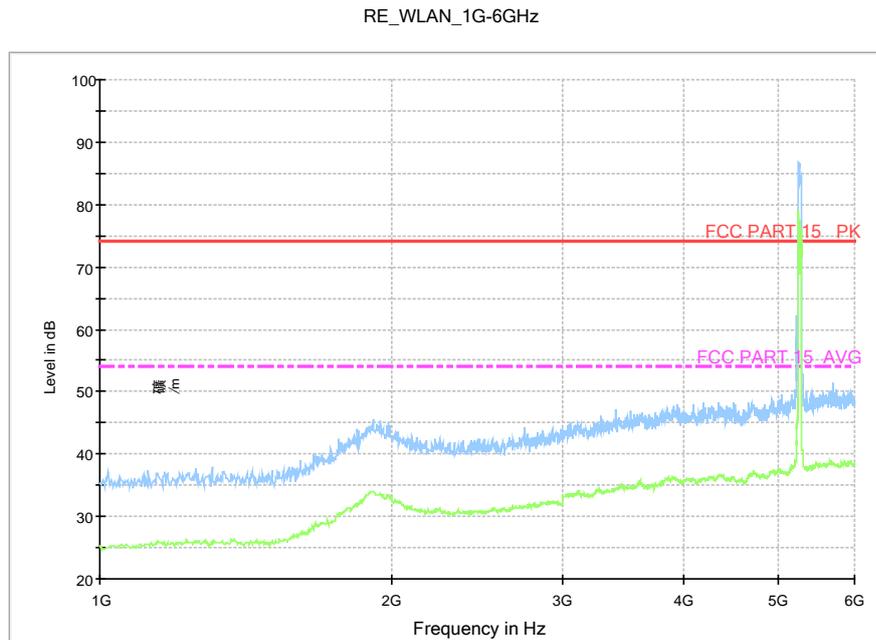


Fig. 111 Radiated Spurious Emission (802.11n-HT40, ch46, 1 GHz-6 GHz)

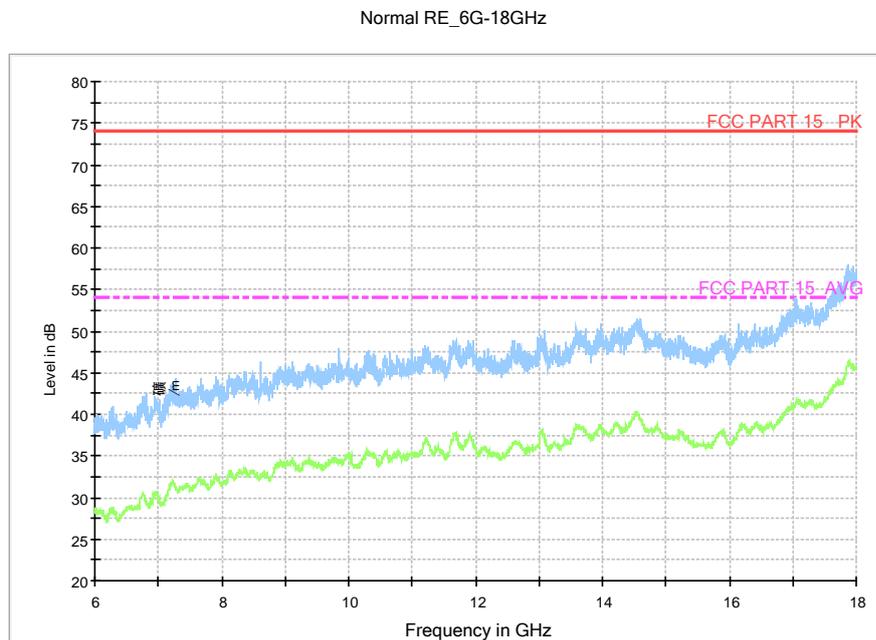
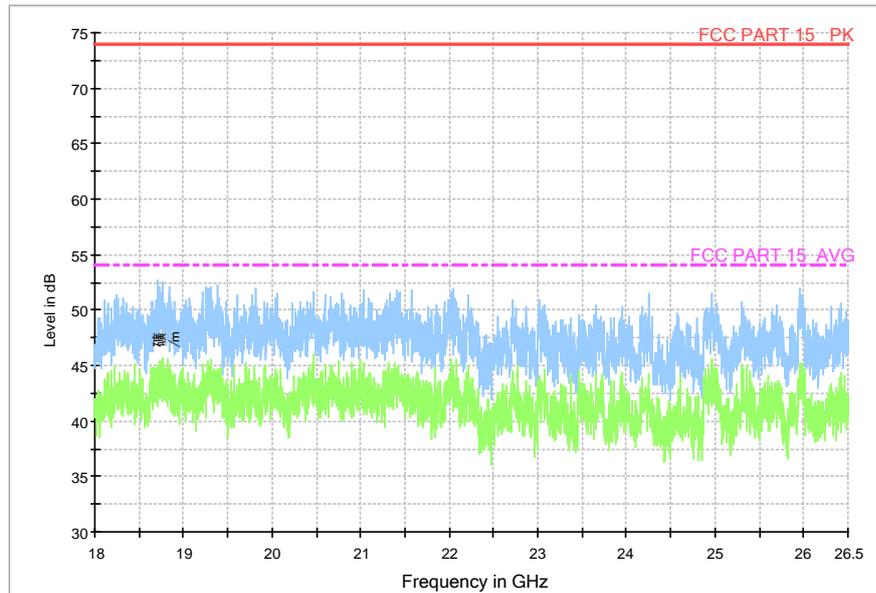


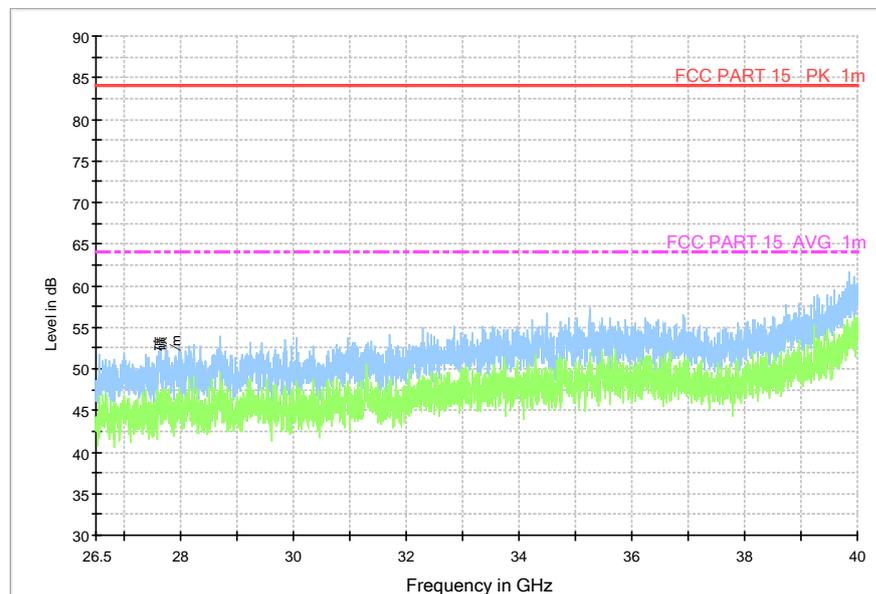
Fig. 112 Radiated Spurious Emission (802.11n-HT40, ch46, 6 GHz-18 GHz)

Normal RE\_18G-26.5GHz



**Fig. 113 Radiated Spurious Emission (802.11n-HT40, ch62, 18 GHz-26.5 GHz)**

Normal RE\_26.5G-40GHz



**Fig. 114 Radiated Spurious Emission (802.11n-HT40, ch62, 26.5 GHz-40 GHz)**

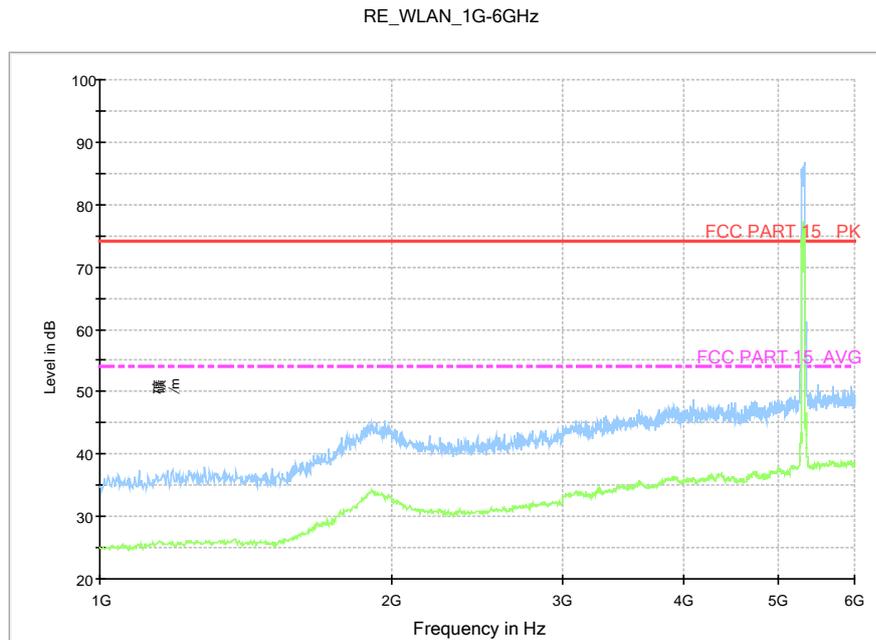


Fig. 115 Radiated Spurious Emission (802.11n-HT40, ch62, 1 GHz-6 GHz)

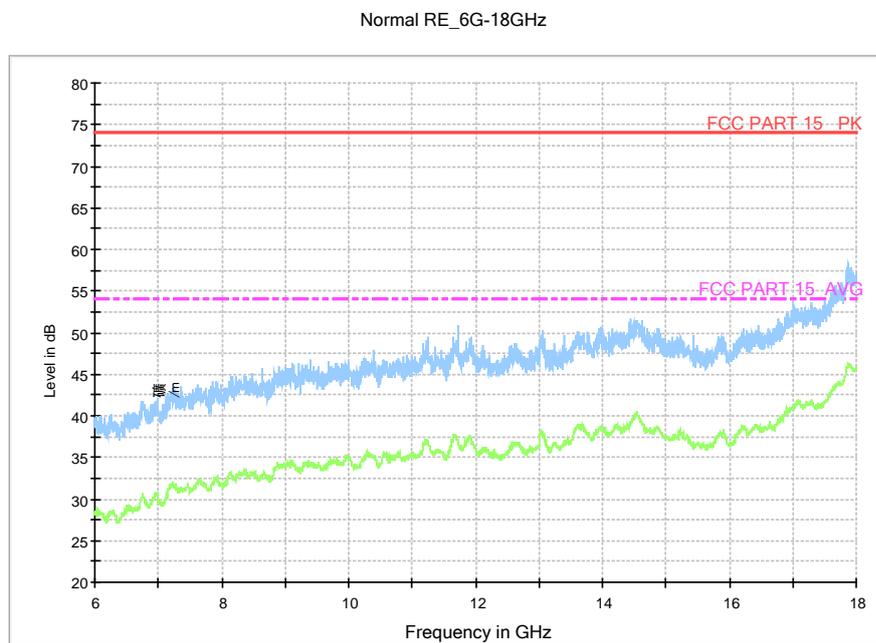
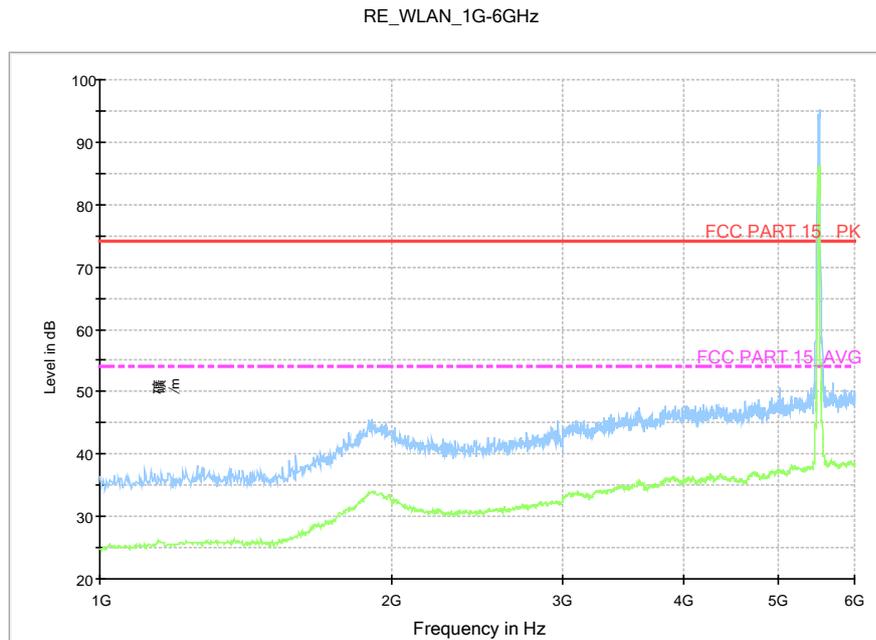
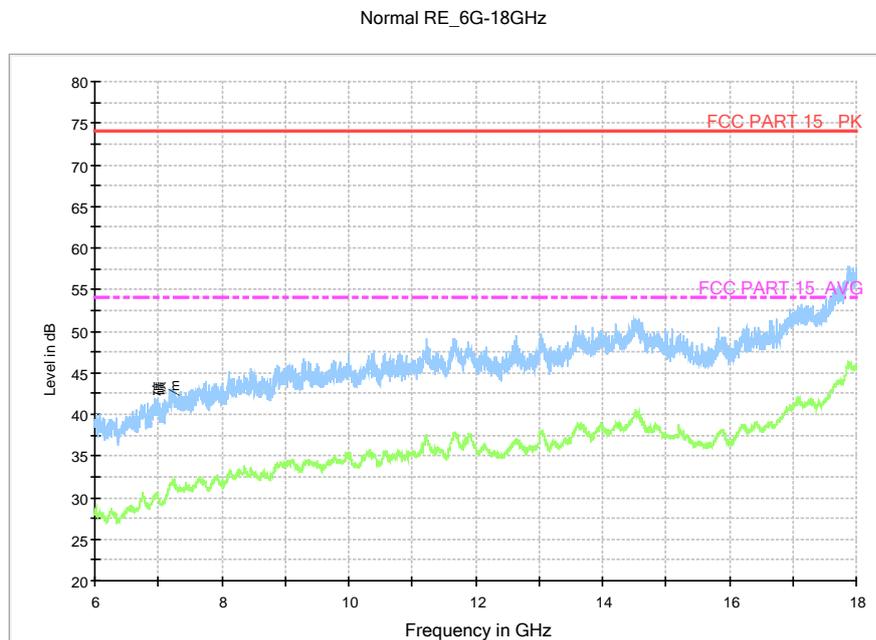


Fig. 116 Radiated Spurious Emission (802.11n-HT40, ch62, 6 GHz-18 GHz)



**Fig. 117 Radiated Spurious Emission (802.11n-HT40, ch102, 1 GHz-6 GHz)**



**Fig. 118 Radiated Spurious Emission (802.11n-HT40, ch102, 6 GHz-18 GHz)**

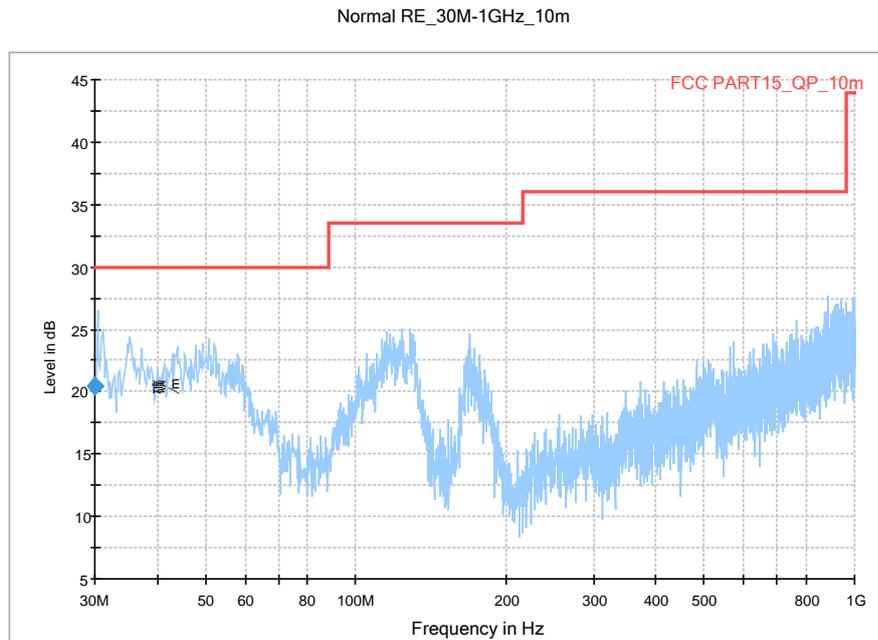


Fig. 119 Radiated Spurious Emission (802.11n-HT40, ch110, 30 MHz-1 GHz)

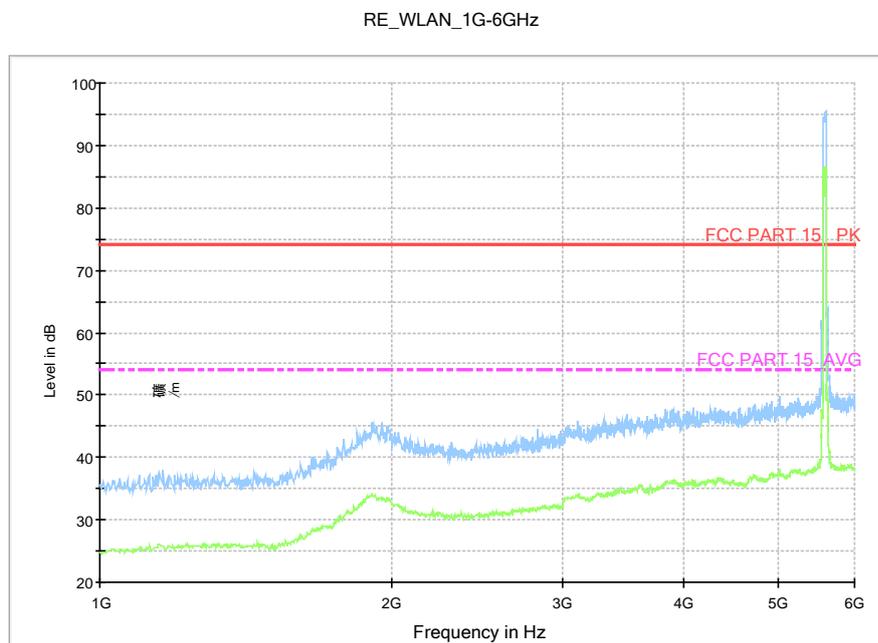


Fig. 120 Radiated Spurious Emission (802.11n-HT40, ch110, 1 GHz-6 GHz)

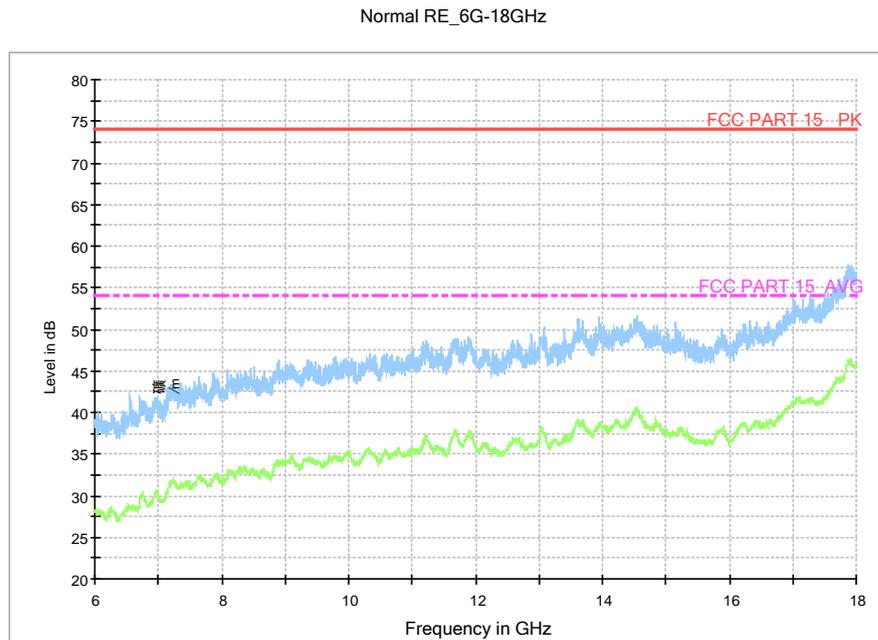


Fig. 121 Radiated Spurious Emission (802.11n-HT40, ch110, 6 GHz-18 GHz)

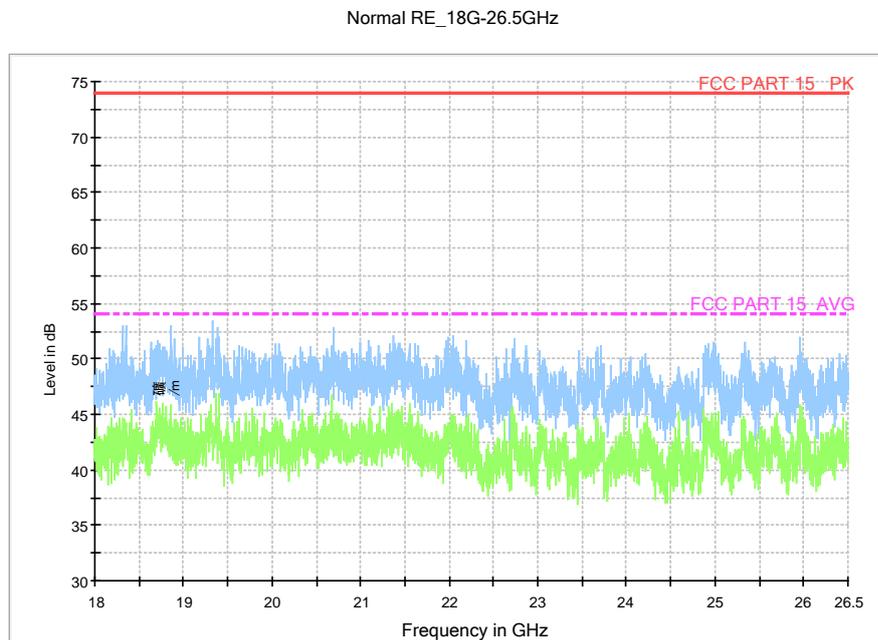


Fig. 122 Radiated Spurious Emission (802.11n-HT40, ch110 18 GHz-26.5 GHz)

Normal RE\_26.5G-40GHz

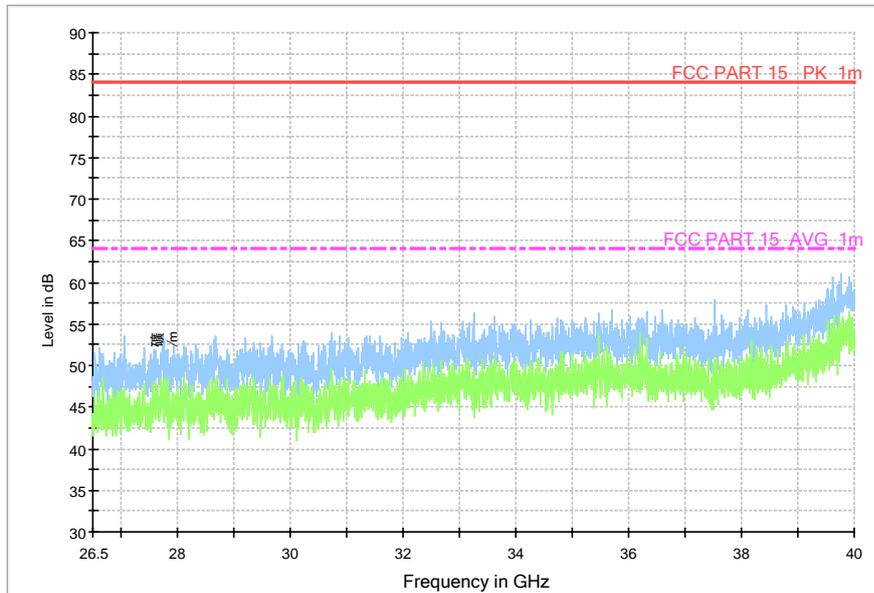


Fig. 123 Radiated Spurious Emission (802.11n-HT40, ch110, 26.5 GHz-40 GHz)

RE\_WLAN\_1G-6GHz

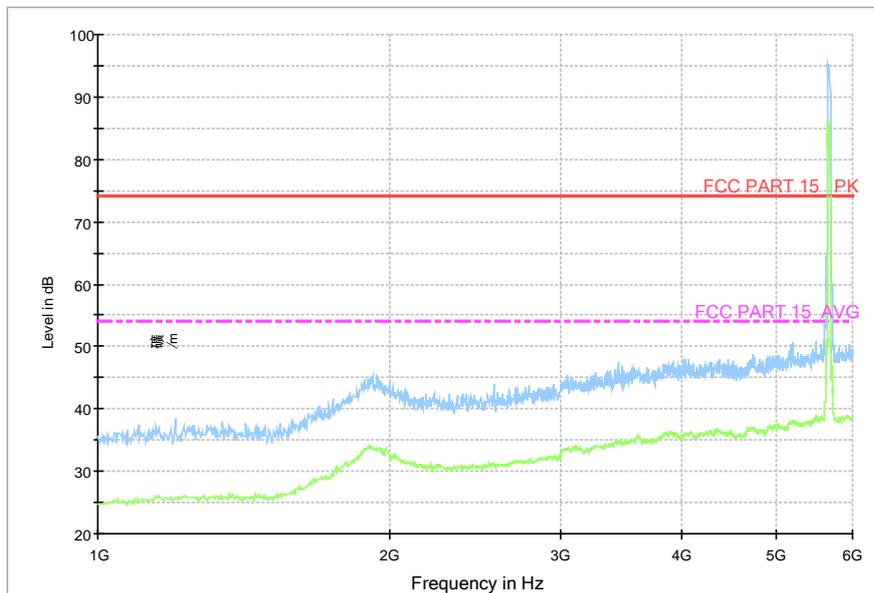


Fig. 124 Radiated Spurious Emission (802.11n-HT40, ch134, 1 GHz-6 GHz)

Normal RE\_6G-18GHz

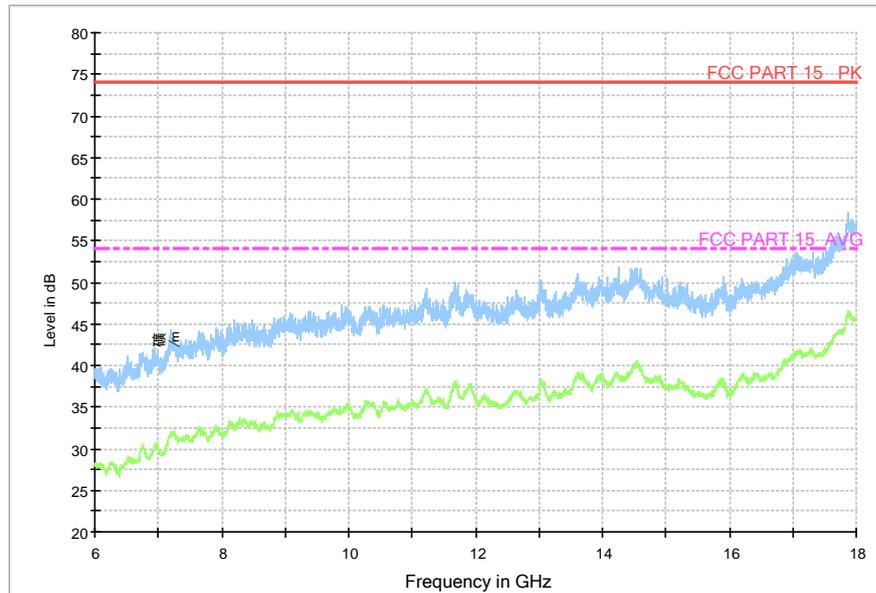


Fig. 125 Radiated Spurious Emission (802.11n-HT40, ch134, 6 GHz-18 GHz)

### A.7. Spurious Emissions Radiated < 30MHz

#### Measurement Limit(15.209, 9kHz-30MHz):

Frequency (MHz)	Field strength( $\mu\text{V}/\text{m}$ )	Measurement distance(m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

The measurement is made according to KDB 789033

Note: The measurement distance during the test is 3m. The limit used in plots is recalculated based on the extrapolation factor of 40 dB/decade.

#### Measurement uncertainty:

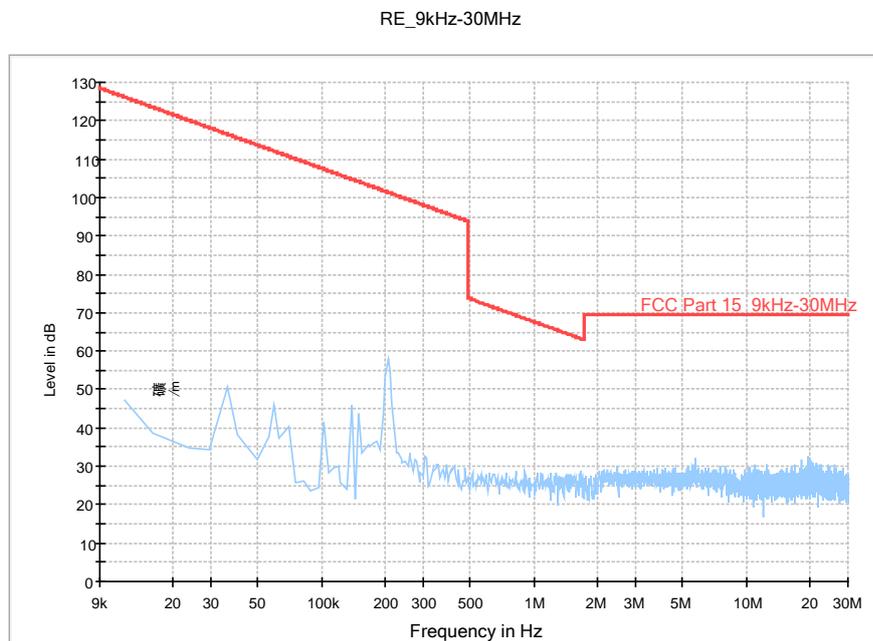
Expanded measurement uncertainty for this test item is  $U = 2.6\text{dB}$ ,  $k=2$ .

#### Measurement Results:

Mode	Frequency Range	Test Results	Conclusion
802.11a	9 kHz ~30 MHz	Fig.126	P

**Conclusion: PASS**

Test graphs as below:



**Fig. 126 Radiated Spurious Emission (802.11a, ch40, 9 kHz ~30 MHz)**

### A.8. Conducted Emission (150kHz- 30MHz)

**Test Condition:**

Voltage (V)	Frequency (Hz)
110	60

**Measurement uncertainty:**

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

**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig. 127	Fig. 128	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.

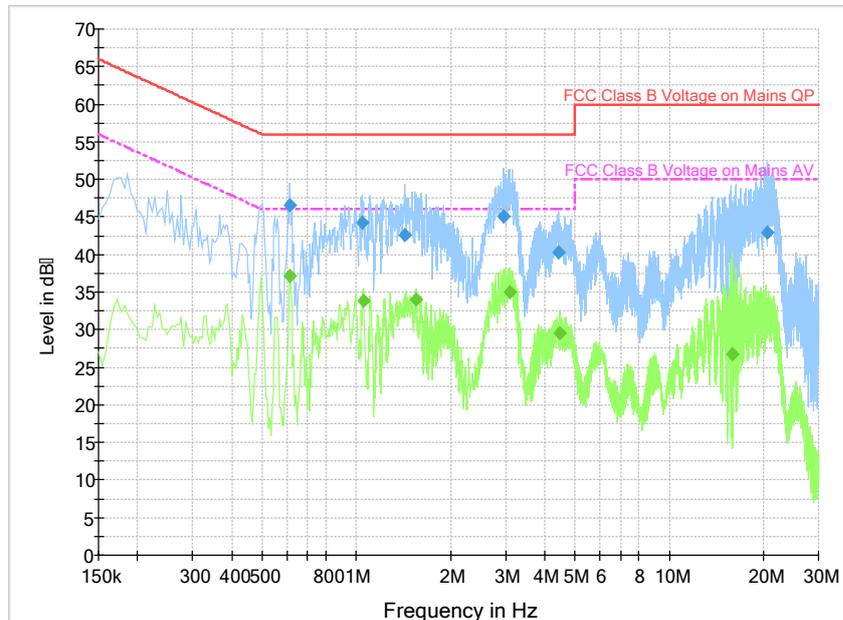
WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.127	Fig.128	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:**



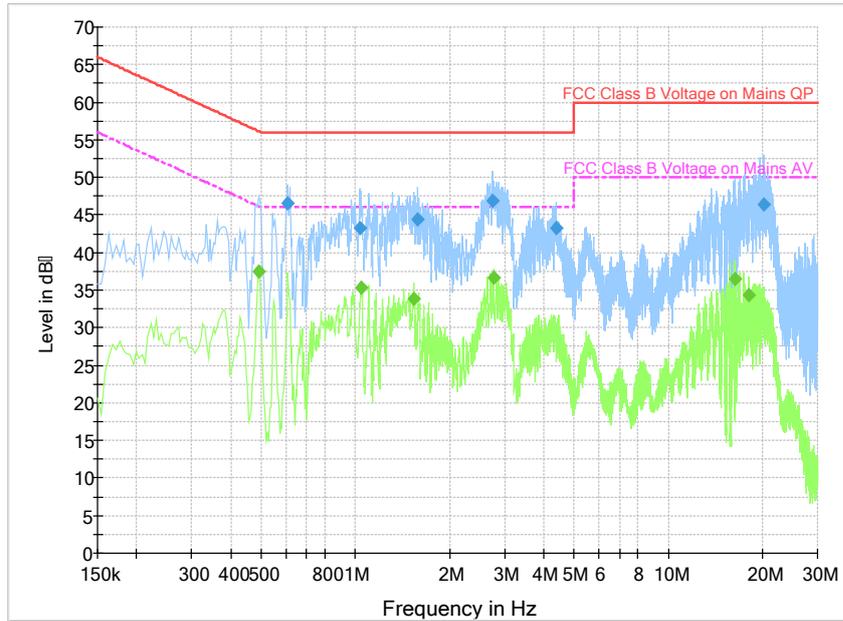
**Fig. 127 Conducted Emission(802.11a, Ch40, TX)**

Measurement Result:

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.613500	46.6	2000.0	9.000	On	L1	19.8	9.4	56.0
1.045500	44.2	2000.0	9.000	On	L1	19.7	11.8	56.0
1.423500	42.6	2000.0	9.000	On	L1	19.7	13.4	56.0
2.953500	45.0	2000.0	9.000	On	L1	19.7	11.0	56.0
4.416000	40.3	2000.0	9.000	On	L1	19.7	15.7	56.0
20.526000	43.0	2000.0	9.000	On	L1	20.1	17.0	60.0

Measurement Result:

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.613500	37.2	2000.0	9.000	On	L1	19.8	8.8	46.0
1.054500	33.8	2000.0	9.000	On	L1	19.7	12.2	46.0
1.549500	33.9	2000.0	9.000	On	L1	19.7	12.1	46.0
3.084000	35.0	2000.0	9.000	On	L1	19.7	11.0	46.0
4.456500	29.5	2000.0	9.000	On	L1	19.7	16.5	46.0
15.859500	26.8	2000.0	9.000	On	L1	20.1	23.2	50.0



**Fig. 128 Conducted Emission(802.11a, IDLE)**

Measurement Result:

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.609000	46.5	2000.0	9.000	On	L1	19.8	9.5	56.0
1.032000	43.2	2000.0	9.000	On	L1	19.7	12.8	56.0
1.585500	44.4	2000.0	9.000	On	L1	19.7	11.6	56.0
2.742000	46.9	2000.0	9.000	On	L1	19.6	9.1	56.0
4.384500	43.3	2000.0	9.000	On	L1	19.7	12.7	56.0
20.260500	46.5	2000.0	9.000	On	L1	20.0	13.5	60.0

Measurement Result:

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.492000	37.4	2000.0	9.000	On	L1	19.8	8.7	46.1
1.041000	35.3	2000.0	9.000	On	L1	19.7	10.7	46.0
1.536000	33.9	2000.0	9.000	On	L1	19.6	12.1	46.0
2.760000	36.6	2000.0	9.000	On	L1	19.6	9.4	46.0
16.386000	36.5	2000.0	9.000	On	L1	20.2	13.5	50.0
18.105000	34.4	2000.0	9.000	On	L1	20.1	15.6	50.0

### A.9. Peak Excursion

#### Measurement Limit:

Standard	Limit (dB)
FCC 47 CFR Part 15.407	13

The measurement is made according to KDB 789033, the method SA-1 is used for PPSD measurement.

#### Measurement Uncertainty:

Measurement Uncertainty	0.75 dB
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#### Measurement Result:

##### 11a mode

Type	Peak Excursion					
	5180MHz (Ch36)		5200MHz (Ch40)		5240MHz (Ch48)	
Peak (dBm)	Fig.129	8.33	Fig.130	8.84	Fig.131	9.24
Average(dBm)	Fig.132	-0.19	Fig.133	-0.07	Fig.134	0.17
Result (dB)	8.52		8.91		9.07	

Type	Test Result (dBm)					
	5260MHz (Ch52)		5280 MHz (Ch56)		5320 MHz (Ch64)	
Peak (dBm)	Fig.135	9.41	Fig.136	9.13	Fig.137	9.09
Average(dBm)	Fig.138	0.36	Fig.139	0.44	Fig.140	0.44
Result (dB)	9.05		8.69		8.65	

Type	Test Result (dBm)					
	5500MHz (Ch100)		5580MHz (Ch116)		5700MHz (Ch140)	
Peak (dBm)	Fig.141	9.91	Fig.142	8.64	Fig.143	9.66
Average(dBm)	Fig.144	1.44	Fig.145	0.07	Fig.146	1.11
Result (dB)	8.47		8.57		8.55	

##### 11n-HT20 mode

Type	Peak Excursion					
	5180MHz (Ch36)		5200MHz (Ch40)		5240MHz (Ch48)	
Peak (dBm)	Fig.147	8.19	Fig.148	8.43	Fig.149	8.32
Average(dBm)	Fig.150	-0.15	Fig.151	-0.10	Fig.152	-0.10
Result (dB)	8.34		8.53		8.42	