

5GHz U-NII 2C

802.11a mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11a	100(5500MHz)	1 GHz ~ 3 GHz	Fig.132	P
		3GHz ~ 6 GHz	Fig.133	P
		6 GHz ~ 18 GHz	Fig.134	P
	120(5600MHz)	30 MHz ~1 GHz	Fig.135	P
		1 GHz ~ 3 GHz	Fig.136	P
		3GHz ~ 6 GHz	Fig.137	P
		6 GHz ~ 18 GHz	Fig.138	P
		18 GHz ~ 26.5 GHz	Fig.139	P
	140(5700MHz)	26.5 GHz ~ 40 GHz	Fig.140	P
		1 GHz ~ 3 GHz	Fig.141	P
		3GHz ~ 6 GHz	Fig.142	P
		6 GHz ~ 18 GHz	Fig.143	P

802.11n-HT20 mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11n -HT20	100(5500MHz)	1 GHz ~ 3 GHz	Fig.144	P
		3GHz ~ 6 GHz	Fig.145	P
		6 GHz ~ 18 GHz	Fig.146	P
	120(5600MHz)	30 MHz ~1 GHz	Fig.147	P
		1 GHz ~ 3 GHz	Fig.148	P
		3GHz ~ 6 GHz	Fig.149	P
		6 GHz ~ 18 GHz	Fig.150	P
		18 GHz ~ 26.5 GHz	Fig.151	P
	140(5700MHz)	26.5 GHz ~ 40 GHz	Fig.152	P
		1 GHz ~ 3 GHz	Fig.153	P
		3GHz ~ 6 GHz	Fig.154	P
		6 GHz ~ 18 GHz	Fig.155	P

802.11n-HT40 mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11n HT40	102(5510MHz)	1 GHz ~ 3 GHz	Fig.156	P
		3GHz ~ 6 GHz	Fig.157	P
		6 GHz ~ 18 GHz	Fig.158	P
	118(5590MHz)	30 MHz ~1 GHz	Fig.159	P
		1 GHz ~ 3 GHz	Fig.160	P
		3GHz ~ 6 GHz	Fig.161	P
		6 GHz ~ 18 GHz	Fig.162	P
		18 GHz ~ 26.5 GHz	Fig.163	P
	124(5670MHz)	26.5 GHz ~ 40 GHz	Fig.164	P
		1 GHz ~ 3 GHz	Fig.165	P
		3GHz ~ 6 GHz	Fig.166	P
		6 GHz ~ 18 GHz	Fig.167	P

802.11ac-HT20 mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11ac -HT20	100(5500MHz)	1 GHz ~ 3 GHz	Fig.168	P
		3GHz ~ 6 GHz	Fig.169	P
		6 GHz ~ 18 GHz	Fig.170	P
	120(5600MHz)	30 MHz ~1 GHz	Fig.171	P
		1 GHz ~ 3 GHz	Fig.172	P
		3GHz ~ 6 GHz	Fig.173	P
		6 GHz ~ 18 GHz	Fig.174	P
		18 GHz ~ 26.5 GHz	Fig.175	P
	140(5700MHz)	26.5 GHz ~ 40 GHz	Fig.176	P
		1 GHz ~ 3 GHz	Fig.177	P
		3GHz ~ 6 GHz	Fig.178	P
		6 GHz ~ 18 GHz	Fig.179	P

802.11ac-HT40 mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11ac HT40	102(5510MHz)	1 GHz ~ 3 GHz	Fig.180	P
		3GHz ~ 6 GHz	Fig.181	P
		6 GHz ~ 18 GHz	Fig.182	P
	118(5590MHz)	30 MHz ~1 GHz	Fig.183	P
		1 GHz ~ 3 GHz	Fig.184	P
		3GHz ~ 6 GHz	Fig.185	P
		6 GHz ~ 18 GHz	Fig.186	P
		18 GHz ~ 26.5 GHz	Fig.187	P
	124(5670MHz)	26.5 GHz ~ 40 GHz	Fig.188	P
		1 GHz ~ 3 GHz	Fig.189	P
		3GHz ~ 6 GHz	Fig.190	P
		6 GHz ~ 18 GHz	Fig.191	P



Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{CableLoss} + \text{Antenna Factor}$$

5GHz U-NII 2C

802.11a

Channel 100

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
5458.820	38.2	-16.9	34.7	20.37	H
5457.500	38.8	-16.9	34.7	20.99	H
11000.700	41.4	-15.9	38.2	19.14	H
16500.700	43.7	-16.1	41.1	18.68	H
17270.700	45.9	-14.0	41.2	18.76	H
17634.800	46.2	-13.0	41.1	18.13	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
5451.480	52.0	-16.9	34.7	34.15	H
5457.460	52.8	-16.9	34.7	35.02	H
17674.800	59.5	-13.1	41.1	31.59	H
17755.200	59.4	-13.3	41.0	31.74	V
17577.600	59.4	-13.6	41.1	31.87	H
17619.600	59.3	-13.2	41.1	31.37	H

Channel 120

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
5572.200	39.3	-18.5	34.8	23.00	H
5617.520	39.2	-19.7	34.8	24.01	H
11200.900	40.3	-17.3	38.4	19.23	H
16801.000	44.6	-15.7	41.5	18.85	H
17285.000	46.0	-13.9	41.2	18.74	H
17657.900	46.1	-13.1	41.1	18.11	H



Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5484.150	51.7	-16.9	34.8	33.79	H
5695.200	50.6	-18.0	34.9	33.77	H
17947.800	59.8	-13.6	40.8	32.57	H
17281.200	59.3	-14.0	41.2	32.10	V
17325.600	59.2	-14.2	41.2	32.20	H
17202.000	59.2	-14.5	41.2	32.44	H

Channel 140

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.020	39.1	-17.9	34.9	22.09	H
5736.820	38.5	-18.0	34.9	21.68	H
11400.000	39.6	-18.0	38.6	19.04	H
17100.200	44.6	-15.2	41.3	18.52	H
17285.000	46.0	-13.9	41.2	18.74	H
17708.500	46.0	-13.2	41.0	18.18	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.600	54.3	-17.9	34.9	37.28	H
5727.960	53.6	-17.9	34.9	36.62	H
17740.200	60.0	-13.3	41.0	32.31	H
17639.400	59.4	-13.0	41.1	31.32	V
17272.800	59.2	-14.0	41.2	31.97	V
17643.600	59.1	-13.0	41.1	31.08	H



802.11n-HT20

Channel 100

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5458.210	39.2	-16.9	34.7	21.35	H
5459.910	39.2	-16.9	34.7	21.37	H
11000.700	41.5	-15.9	38.2	19.19	H
16500.700	43.6	-16.1	41.1	18.62	H
17269.600	45.8	-14.0	41.2	18.64	H
17640.300	46.2	-13.0	41.1	18.11	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5454.120	53.1	-16.9	34.7	35.30	H
5458.520	53.6	-16.9	34.7	35.77	H
17313.000	59.2	-14.1	41.2	32.11	V
17315.400	59.2	-14.1	41.2	32.10	H
17632.200	59.2	-13.0	41.1	31.09	V
17708.400	59.1	-13.2	41.0	31.28	H

Channel 120

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5580.010	38.4	-18.7	34.8	22.33	H
5620.300	38.3	-19.6	34.8	22.99	H
11200.900	40.2	-17.3	38.4	19.12	H
16801.000	44.8	-15.7	41.5	18.98	H
17246.500	45.7	-14.2	41.2	18.72	H
17640.300	46.2	-13.0	41.1	18.11	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5563.350	52.0	-18.3	34.8	35.44	H
5714.850	50.1	-17.9	34.9	33.18	H
17997.000	60.4	-13.5	40.8	33.07	H
17689.200	59.6	-13.2	41.0	31.75	H
17281.800	59.2	-13.9	41.2	31.99	H
17652.000	59.1	-13.1	41.1	31.12	V



Channel 140

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.200	38.9	-17.9	34.9	21.92	H
5727.140	38.8	-17.9	34.9	21.78	H
11400.000	39.6	-18.0	38.6	19.01	H
17100.200	44.6	-15.2	41.3	18.47	H
17246.500	45.8	-14.2	41.2	18.82	H
17675.500	46.0	-13.1	41.1	18.02	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5728.520	52.9	-17.9	34.9	35.90	H
5746.800	53.4	-18.2	34.9	36.72	H
17275.800	60.7	-14.0	41.2	33.51	V
17665.800	59.6	-13.1	41.1	31.59	H
17562.600	59.4	-13.8	41.1	32.03	V
17706.000	59.4	-13.2	41.0	31.53	V

802.11n-HT40

Channel 102

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5460.000	39.7	-16.9	34.7	21.83	H
5456.700	39.6	-16.9	34.7	21.77	H
11020.500	41.3	-16.2	38.2	19.22	H
16530.400	43.6	-16.0	41.1	18.52	H
16771.300	44.8	-15.6	41.5	18.85	H
17244.300	45.6	-14.2	41.2	18.61	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5456.880	61.6	-16.9	34.7	43.76	H
5459.540	60.5	-16.9	34.7	42.64	H
17436.000	59.4	-14.8	41.2	32.95	V
17616.600	59.3	-13.2	41.1	31.39	V
17788.200	59.3	-13.4	41.0	31.71	V
17663.400	59.1	-13.1	41.1	31.07	V



Channel 118

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5558.100	40.9	-18.1	34.8	24.24	H
5620.220	39.4	-19.6	34.8	24.17	H
11180.000	40.1	-17.5	38.3	19.33	H
16770.200	44.7	-15.6	41.5	18.75	H
17600.700	46.0	-13.4	41.1	18.23	H
17953.800	45.8	-13.6	40.8	18.55	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5518.200	57.6	-17.2	34.8	39.96	H
5649.450	60.7	-18.8	34.9	44.62	H
17263.200	59.8	-14.1	41.2	32.69	V
17698.200	59.6	-13.2	41.0	31.75	V
17656.200	59.6	-13.1	41.1	31.59	V
17683.200	59.4	-13.1	41.1	31.51	H

Channel 134

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.264	38.3	-17.9	34.9	21.29	H
5726.448	38.3	-17.9	34.9	21.32	H
11340.600	39.6	-17.7	38.5	18.84	H
17010.000	44.4	-15.9	41.4	18.92	H
17225.600	45.6	-14.3	41.2	18.66	H
17580.900	45.9	-13.6	41.1	18.30	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.008	62.0	-17.9	34.9	44.98	H
5726.256	62.1	-17.9	34.9	45.09	H
17578.800	60.2	-13.6	41.1	32.65	H
17652.000	59.1	-13.1	41.1	31.11	V
17830.800	59.1	-13.5	40.9	31.62	V
17567.400	58.9	-13.7	41.1	31.51	V



802.11ac-HT20

Channel 100

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5458.700	39.3	-16.9	34.7	21.49	H
5460.000	39.3	-16.9	34.7	21.49	H
11000.700	41.4	-15.9	38.2	19.10	H
16500.700	43.6	-16.1	41.1	18.62	H
16773.500	44.8	-15.6	41.5	18.88	H
17282.800	46.0	-13.9	41.2	18.74	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5455.600	53.4	-16.9	34.7	35.56	H
5459.800	52.9	-16.9	34.7	35.02	H
17682.000	60.5	-13.1	41.1	32.54	H
17271.000	59.1	-14.0	41.2	31.91	V
17662.800	59.1	-13.1	41.1	31.07	H
17478.600	59.0	-14.7	41.2	32.48	H

Channel 120

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5579.720	38.5	-18.7	34.8	22.46	H
5620.830	37.6	-19.6	34.8	22.33	H
11200.900	40.3	-17.3	38.4	19.21	H
16801.000	44.7	-15.7	41.5	18.87	H
17238.800	45.6	-14.2	41.2	18.60	H
17616.100	46.1	-13.2	41.1	18.22	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5484.150	51.7	-16.9	34.8	33.79	H
5695.200	50.6	-18.0	34.9	33.77	H
17991.600	59.5	-13.6	40.8	32.33	V
17923.200	59.3	-13.6	40.9	32.02	V
17606.400	59.2	-13.3	41.1	31.43	V
17710.800	59.2	-13.2	41.0	31.42	H



Channel 140

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.020	39.3	-17.9	34.9	22.33	H
5725.660	39.2	-17.9	34.9	22.24	H
11400.000	39.5	-18.0	38.6	18.92	H
17100.200	44.5	-15.2	41.3	18.41	H
17299.300	45.7	-14.0	41.2	18.47	H
17580.900	45.9	-13.6	41.1	18.38	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5731.860	53.5	-18.0	34.9	36.56	H
5728.840	53.8	-17.9	34.9	36.81	H
17817.000	59.8	-13.5	40.9	32.31	V
17610.600	59.3	-13.2	41.1	31.48	V
17307.600	59.2	-14.1	41.2	32.06	V
17614.200	59.2	-13.2	41.1	31.28	H

802.11ac-HT40

Channel 102

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5459.996	40.0	-16.9	34.7	22.13	H
5458.800	40.0	-16.9	34.7	22.13	H
11020.500	41.3	-16.2	38.2	19.25	H
16530.400	43.7	-16.0	41.1	18.54	H
16788.900	44.9	-15.6	41.5	19.00	H
17271.800	46.0	-14.0	41.2	18.82	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5451.380	61.0	-16.9	34.7	43.18	H
5457.360	61.7	-16.9	34.7	43.88	H
17620.200	59.8	-13.1	41.1	31.85	H
17278.800	59.4	-14.0	41.2	32.20	V
17792.400	59.1	-13.4	41.0	31.55	V
17580.000	59.1	-13.6	41.1	31.54	V

Channel 118

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5557.950	40.3	-18.1	34.8	23.62	H
5625.150	39.5	-19.4	34.9	24.11	H
11180.400	39.6	-17.5	38.3	18.77	H
16770.200	44.8	-15.6	41.5	18.84	H
17191.500	45.3	-14.6	41.2	18.61	H
17607.300	46.0	-13.3	41.1	18.13	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5543.100	59.6	-17.8	34.8	42.61	H
5636.250	61.2	-19.1	34.9	45.45	H
17370.600	59.6	-14.4	41.2	32.77	V
17638.800	59.5	-13.0	41.1	31.41	H
17601.600	59.4	-13.3	41.1	31.66	V
17683.200	59.4	-13.1	41.1	31.50	H

Channel 134

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5725.072	38.9	-17.9	34.9	21.86	H
5726.160	38.7	-17.9	34.9	21.67	H
11340.600	39.6	-17.7	38.5	18.77	H
17010.000	44.6	-15.9	41.4	19.10	H
17577.600	46.0	-13.6	41.1	18.44	H
17937.300	45.7	-13.6	40.8	18.40	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5726.032	61.6	-17.9	34.9	44.58	H
5733.296	60.9	-18.0	34.9	44.00	H
17599.200	60.1	-13.4	41.1	32.38	V
17507.400	59.4	-14.4	41.2	32.56	V
17826.600	59.3	-13.5	40.9	31.85	H
17611.800	59.2	-13.2	41.1	31.35	H

Test graphs as below:

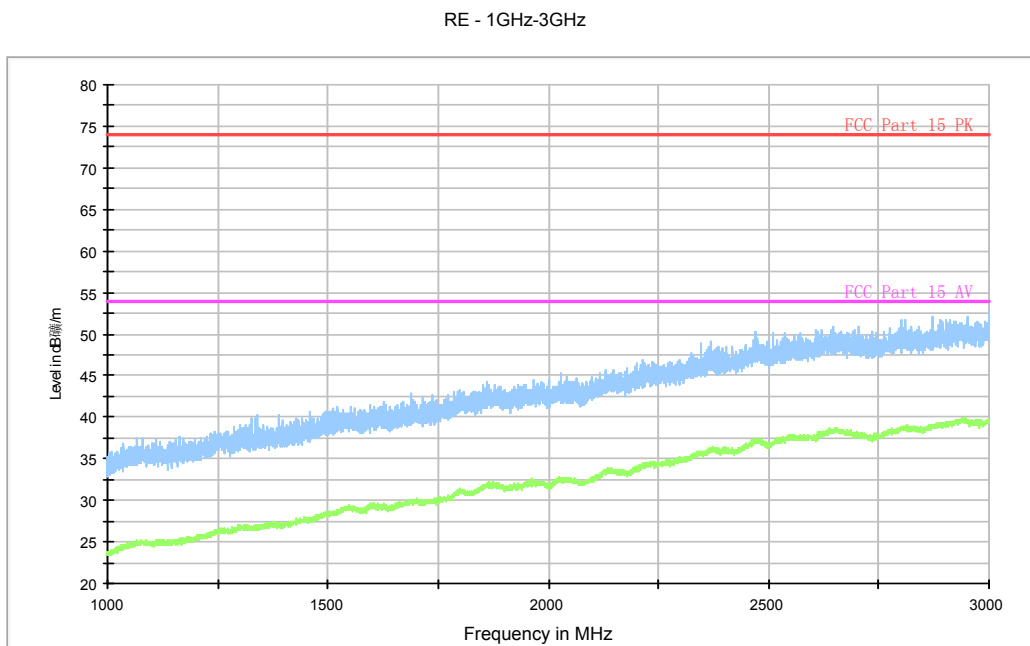


Fig. 132 Radiated Spurious Emission (802.11a, ch100, 1 GHz-3 GHz)

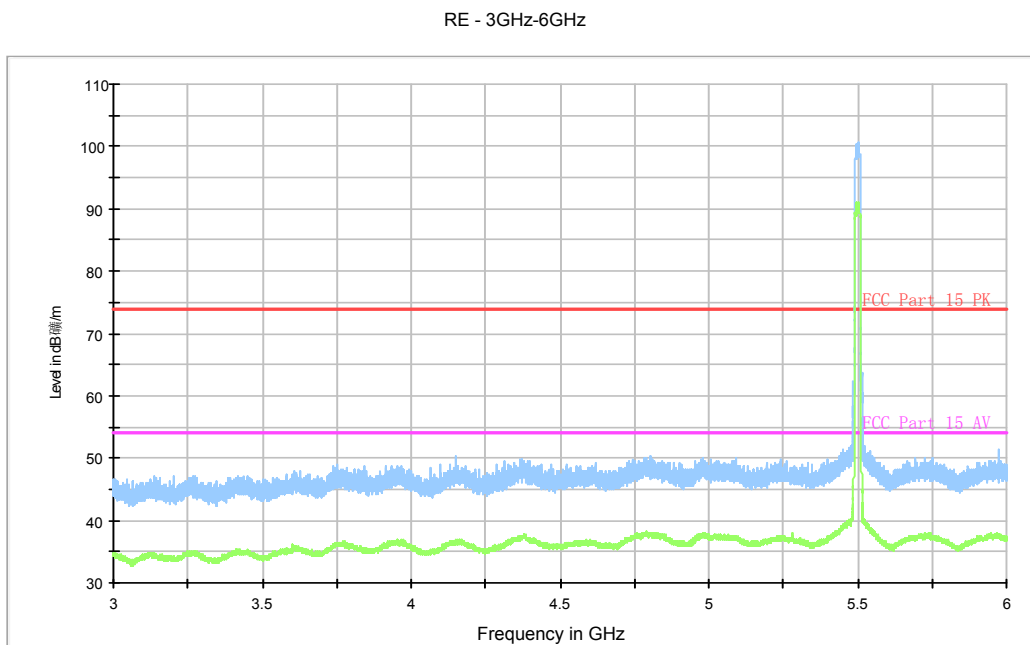


Fig. 133 Radiated Spurious Emission (802.11a, ch100, 3 GHz-6 GHz)

RE - 6GHz-18GHz

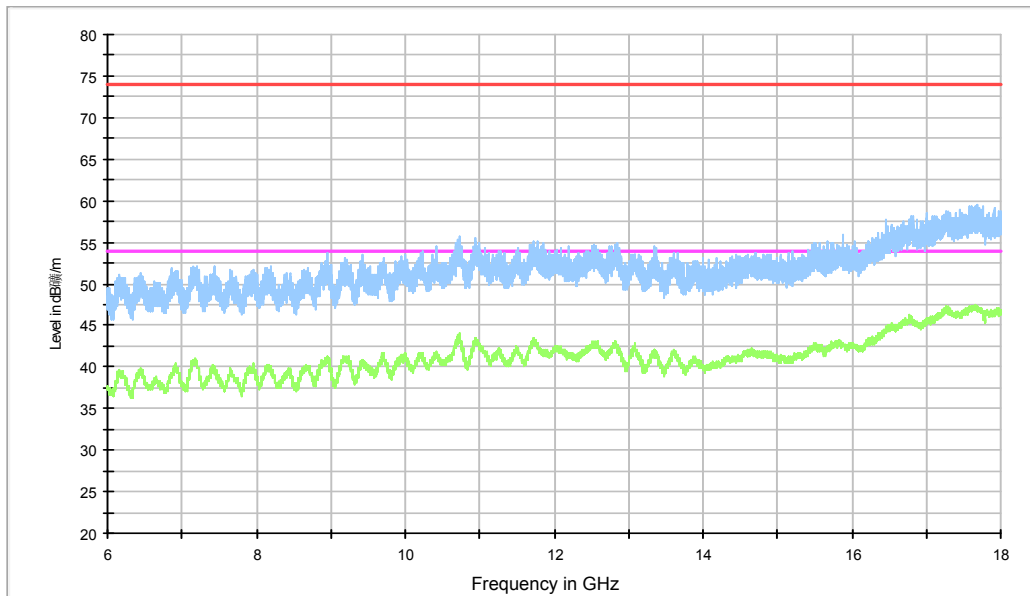


Fig. 134 Radiated Spurious Emission (802.11a, ch100, 6 GHz-18 GHz)

RE 30MHz-1GHz

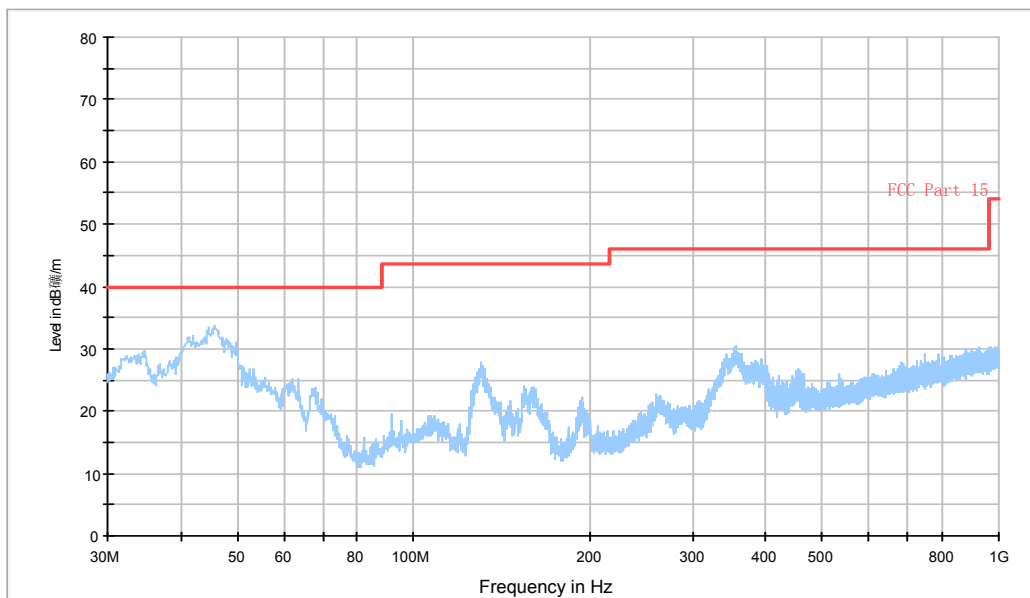


Fig. 135 Radiated Spurious Emission (802.11a, ch120, 30 MHz-1 GHz)

RE - 1GHz-3GHz

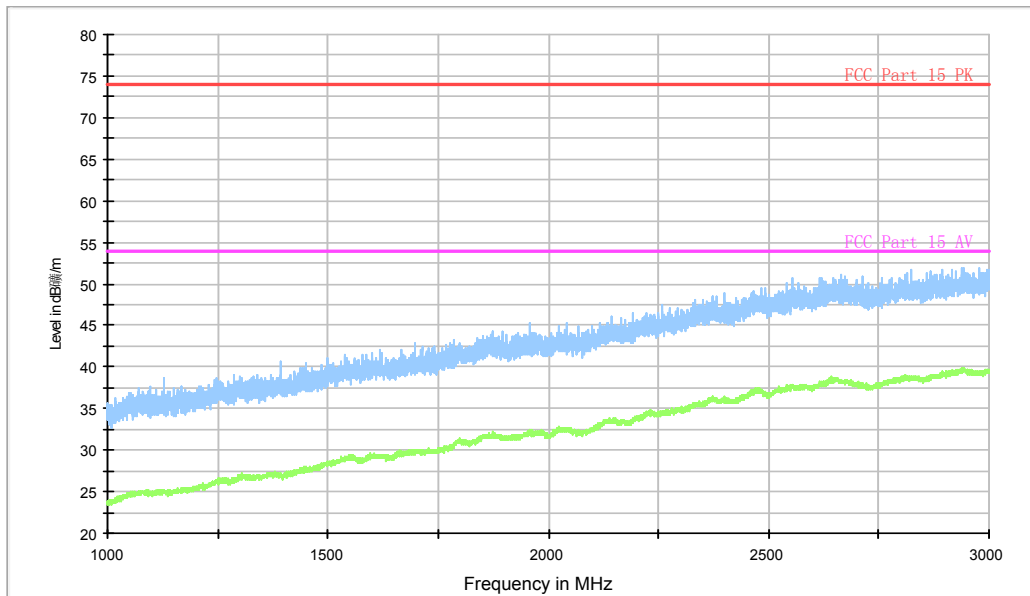


Fig. 136 Radiated Spurious Emission (802.11a, ch120, 1 GHz-3 GHz)

RE - 3GHz-6GHz

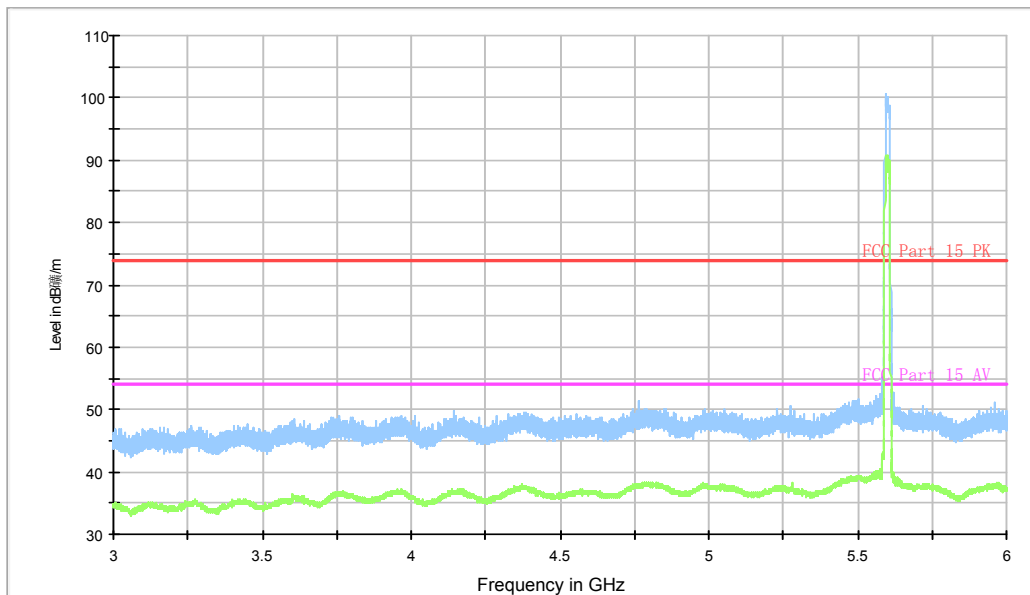


Fig. 137 Radiated Spurious Emission (802.11a, ch120, 3 GHz-6 GHz)

RE - 6GHz-18GHz

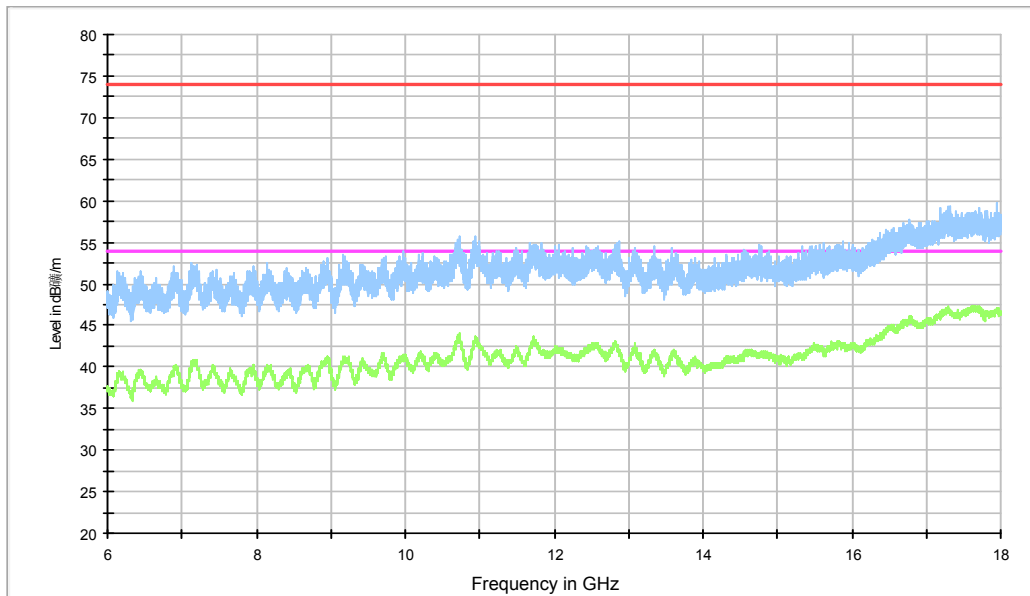


Fig. 138 Radiated Spurious Emission (802.11a, ch120, 6 GHz-18 GHz)

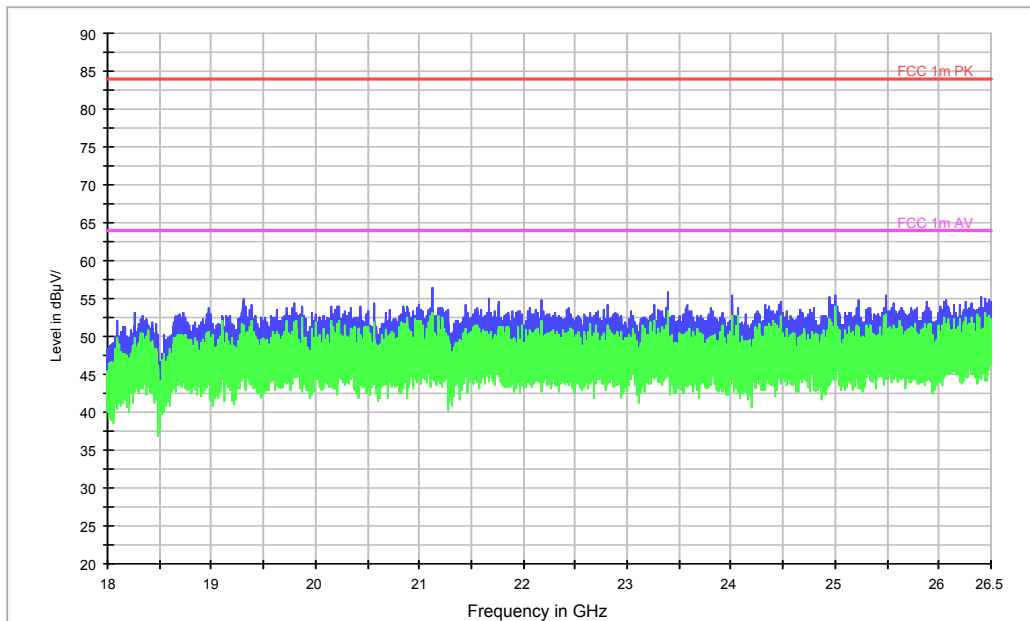


Fig. 139 Radiated Spurious Emission (802.11a, ch120, 18 GHz-26.5 GHz)

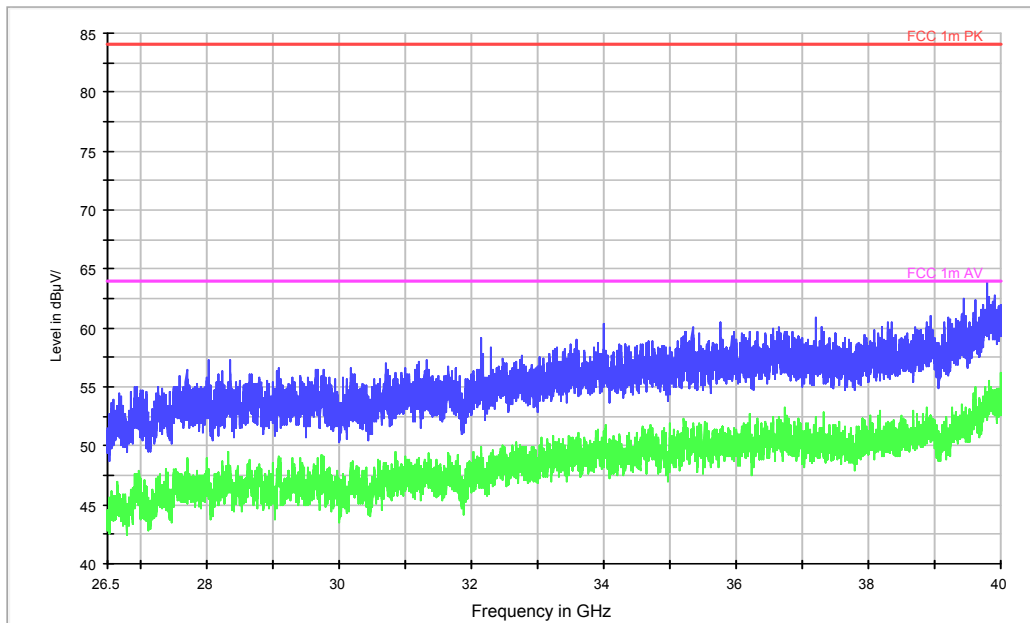


Fig. 140 Radiated Spurious Emission (802.11a, ch120, 26.5 GHz-40 GHz)

RE - 1GHz-3GHz

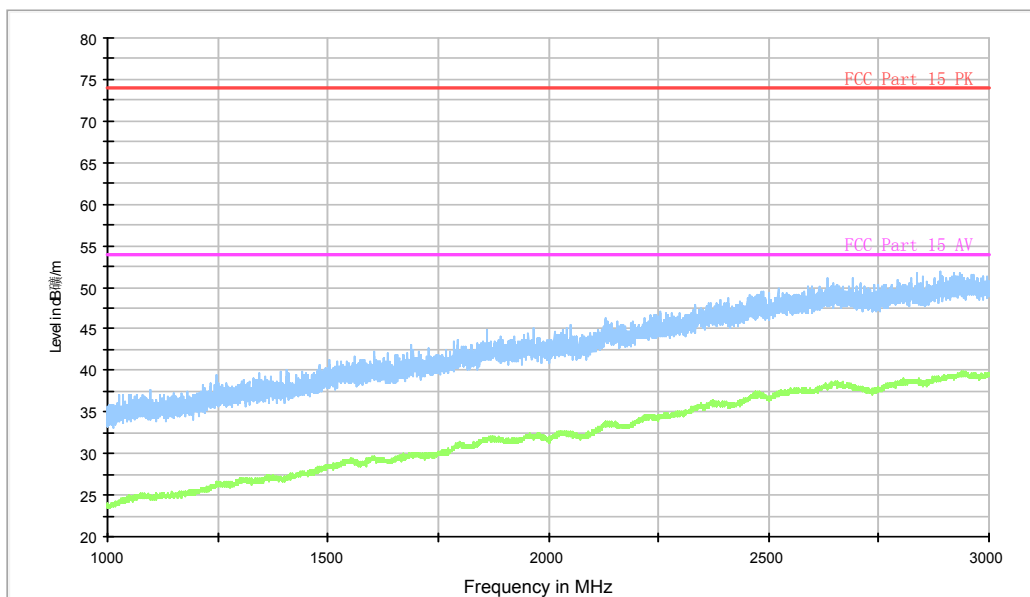


Fig. 141 Radiated Spurious Emission (802.11a, ch140, 1 GHz-3 GHz)

RE - 3GHz-6GHz

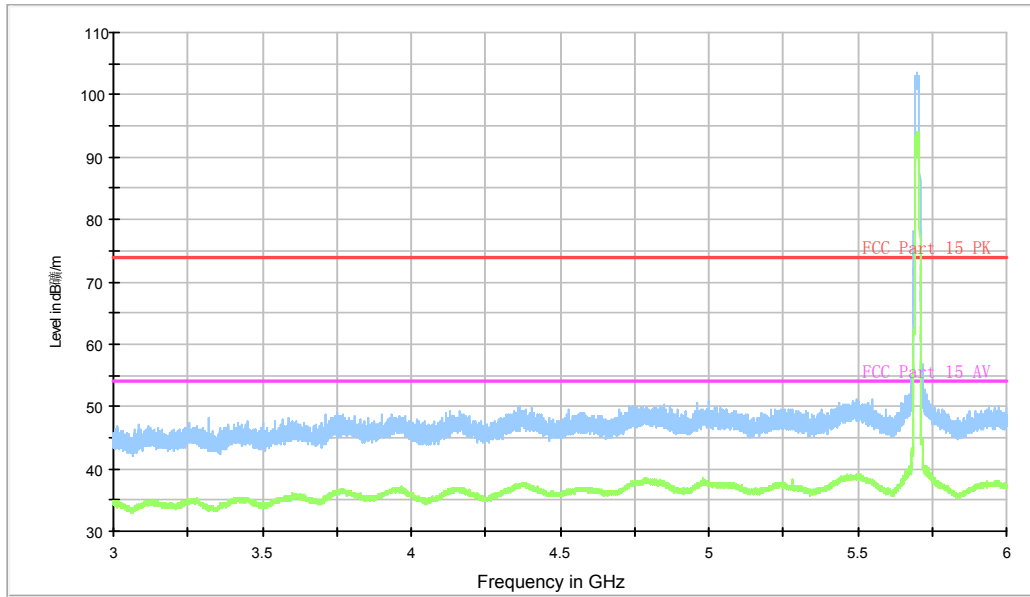


Fig. 142 Radiated Spurious Emission (802.11a, ch140, 3 GHz-6 GHz)

RE - 6GHz-18GHz

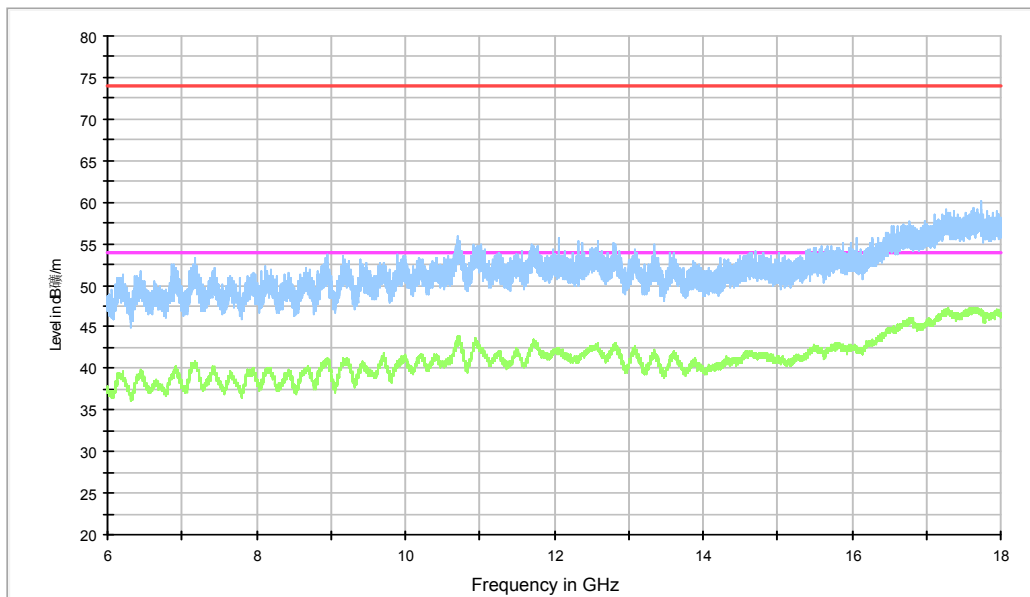


Fig. 143 Radiated Spurious Emission (802.11a, ch140, 6 GHz-18GHz)

RE - 1GHz-3GHz

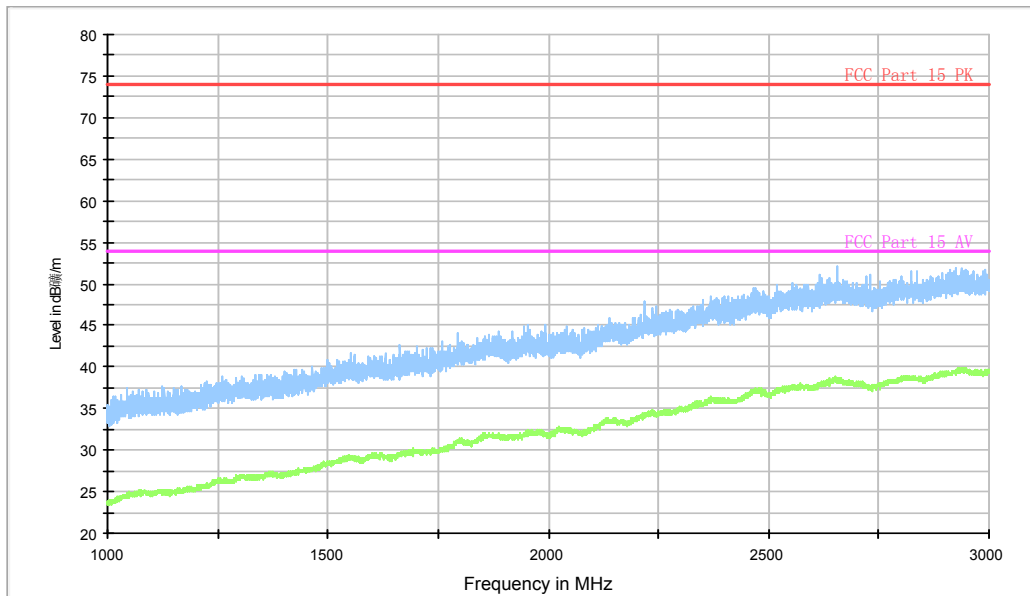


Fig. 144 Radiated Spurious Emission (802.11n-HT20, ch100, 1 GHz-3 GHz)

RE - 3GHz-6GHz

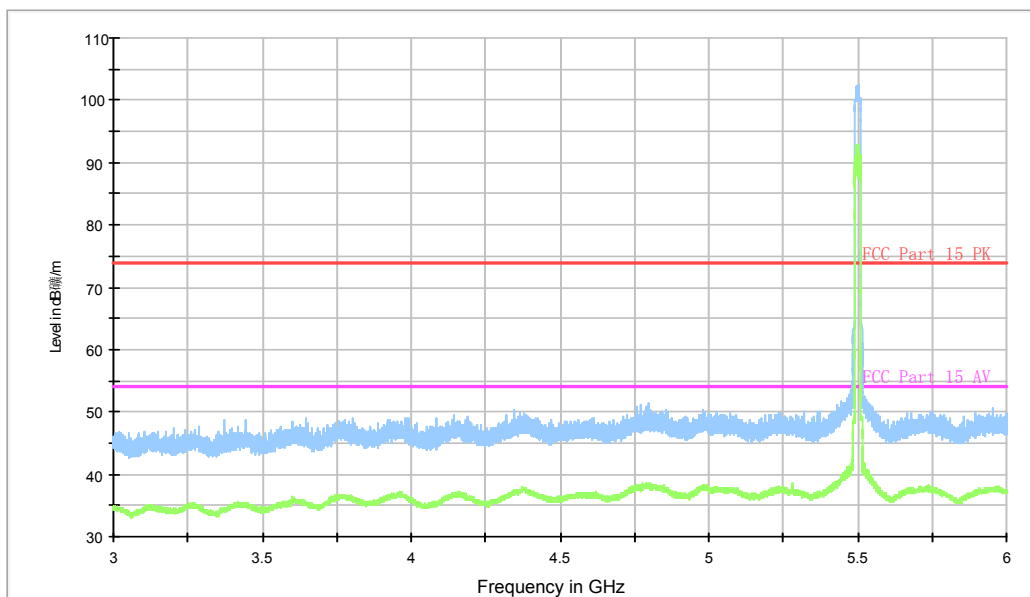


Fig. 145 Radiated Spurious Emission (802.11n-HT20, ch100, 3 GHz-6 GHz)

RE - 6GHz-18GHz

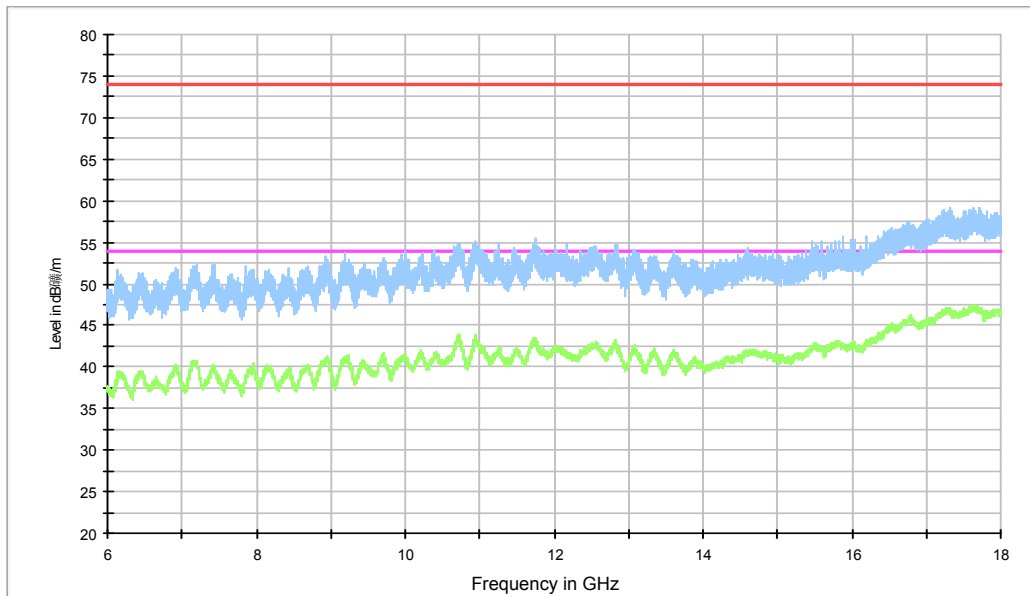


Fig. 146 Radiated Spurious Emission (802.11n-HT20, ch100, 6 GHz-18GHz)

RE 30MHz-1GHz

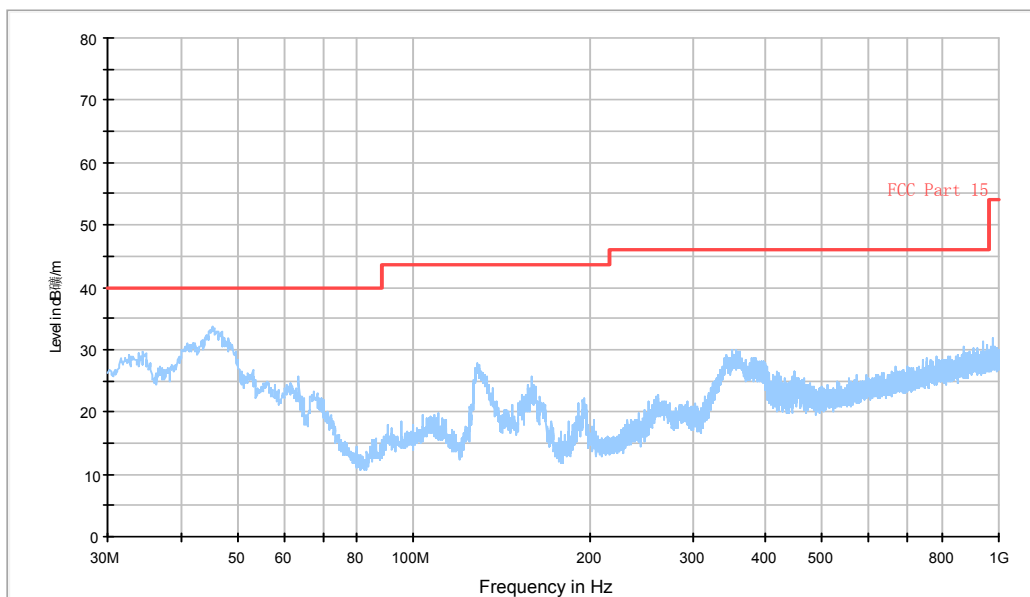


Fig. 147 Radiated Spurious Emission (802.11n-HT20, ch120, 30 MHz-1 GHz)

RE - 1GHz-3GHz

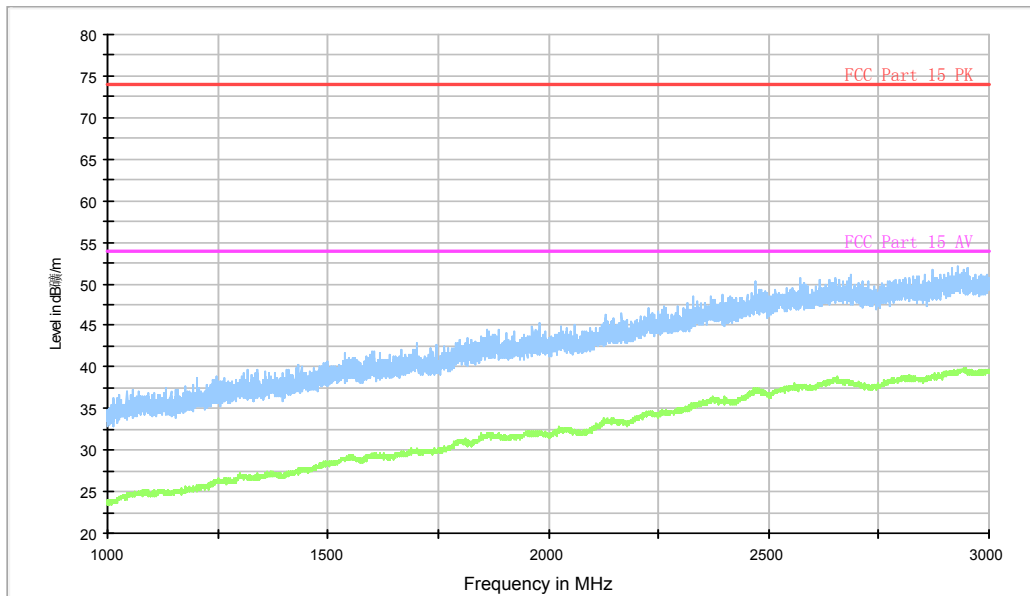


Fig. 148 Radiated Spurious Emission (802.11n-HT20, ch120 1 GHz-3 GHz)

RE - 3GHz-6GHz

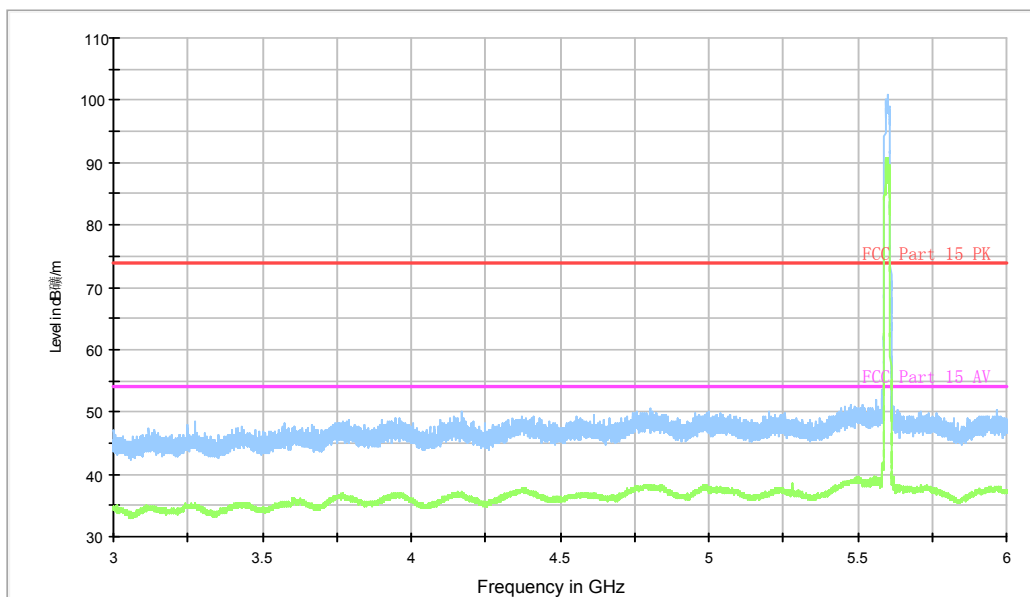


Fig. 149 Radiated Spurious Emission (802.11n-HT20, ch1203 GHz-6 GHz)

RE - 6GHz-18GHz

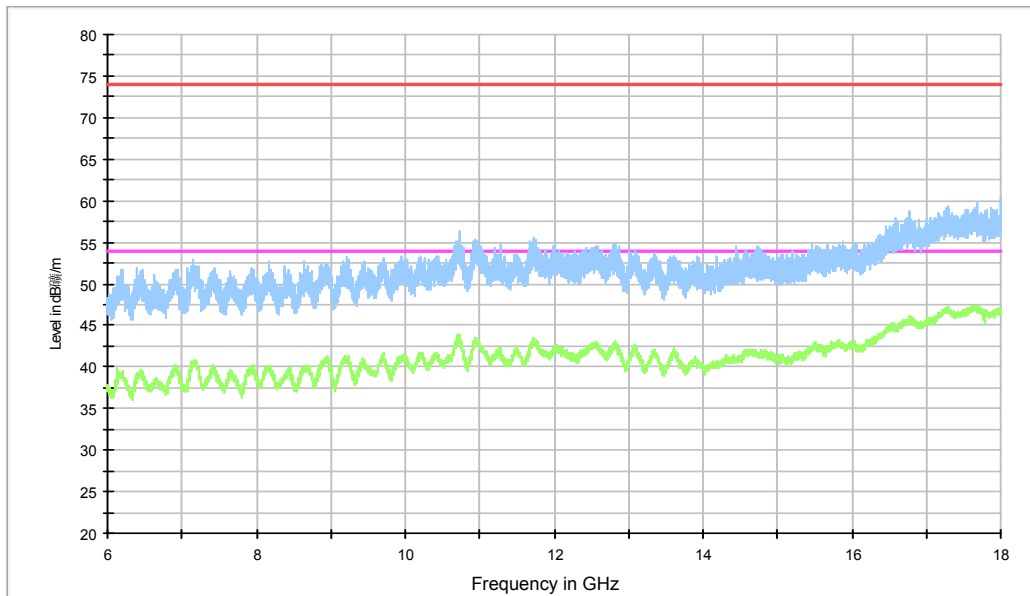


Fig. 150 Radiated Spurious Emission (802.11n-HT20, ch120, 6 GHz-18 GHz)

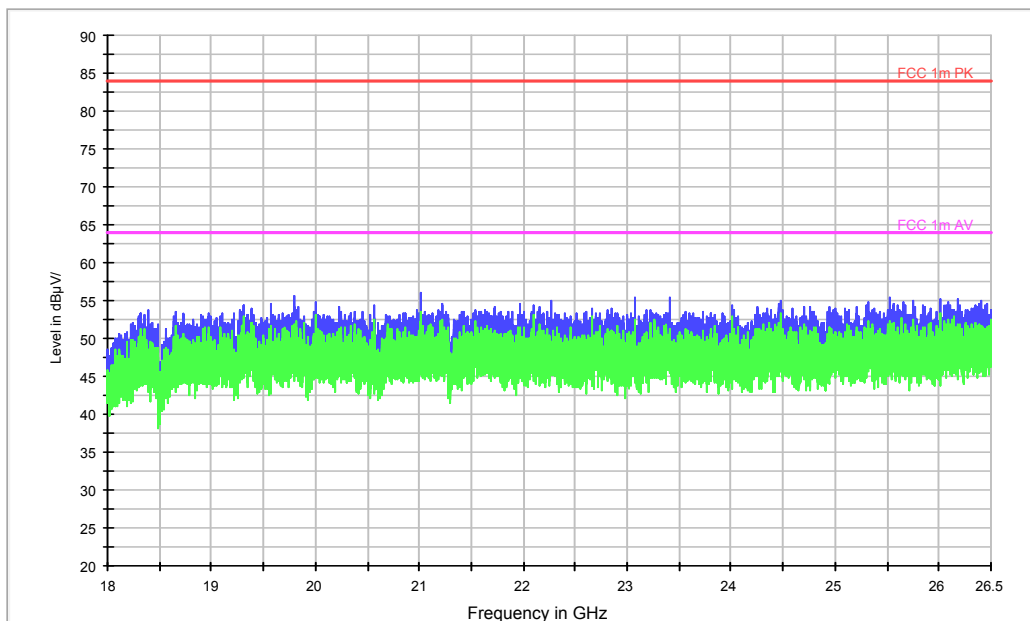


Fig. 151 Radiated Spurious Emission (802.11n-HT20, ch120, 18 GHz-26.5 GHz)

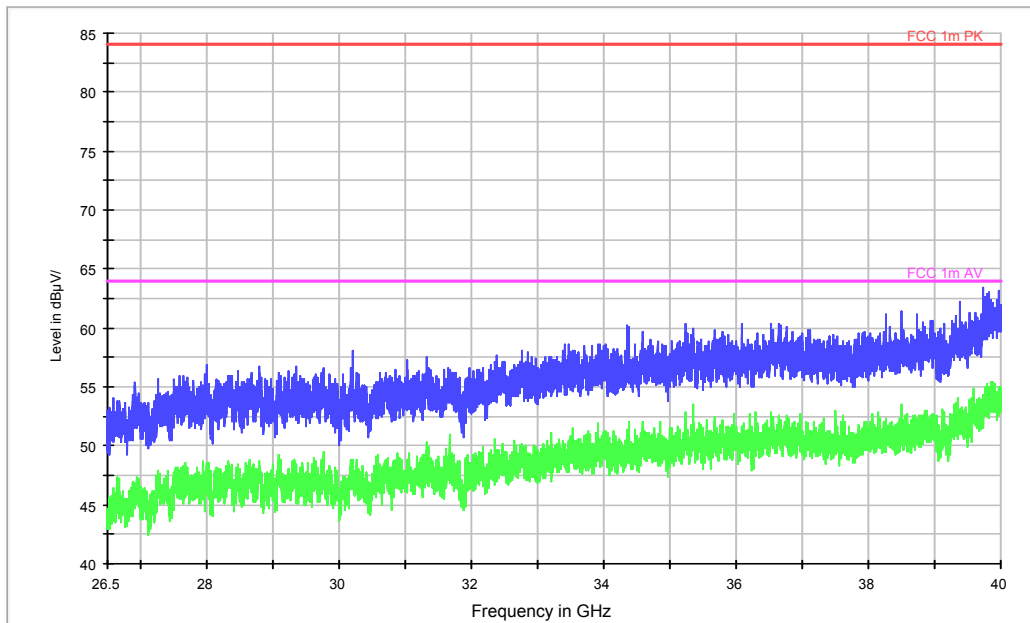


Fig. 152 Radiated Spurious Emission (802.11n-HT20, ch120, 26.5 GHz-40 GHz)

RE - 1GHz-3GHz

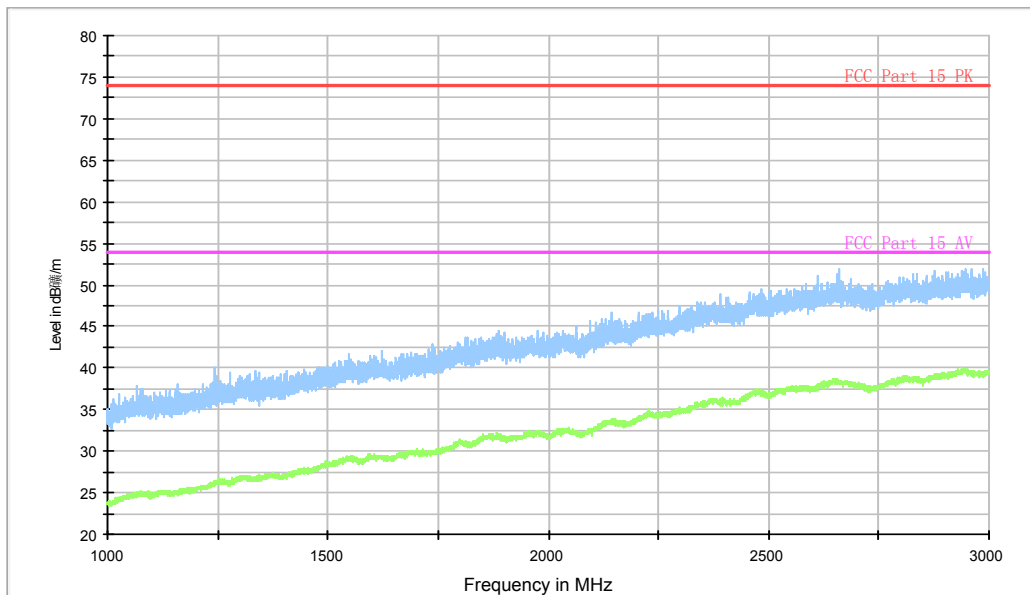


Fig. 153 Radiated Spurious Emission (802.11n-HT20, ch140, 1 GHz-3GHz)

RE - 3GHz-6GHz

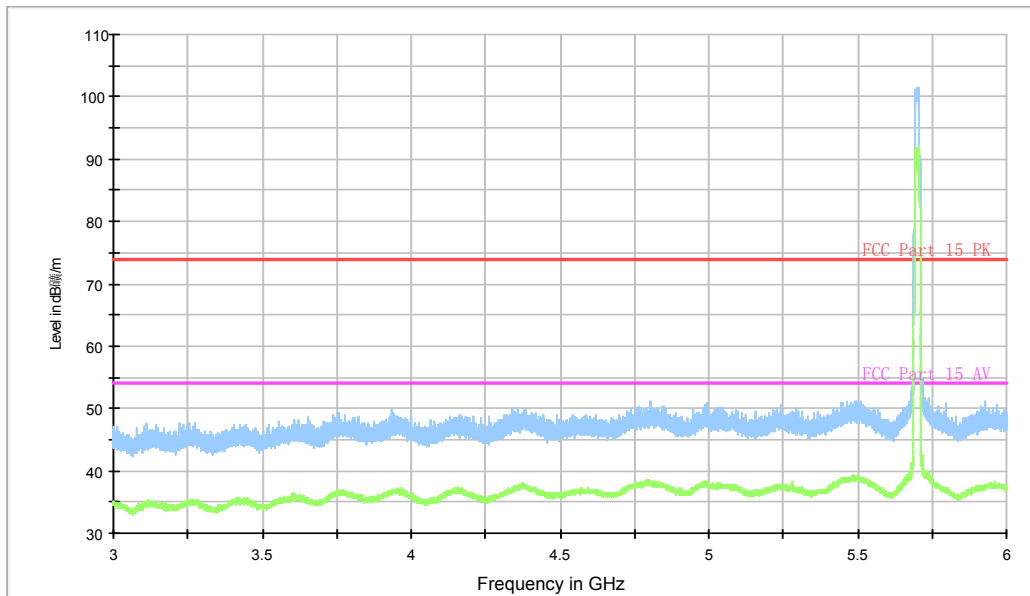


Fig. 154 Radiated Spurious Emission (802.11n-HT20, ch140, 3 GHz-6GHz)

RE - 6GHz-18GHz

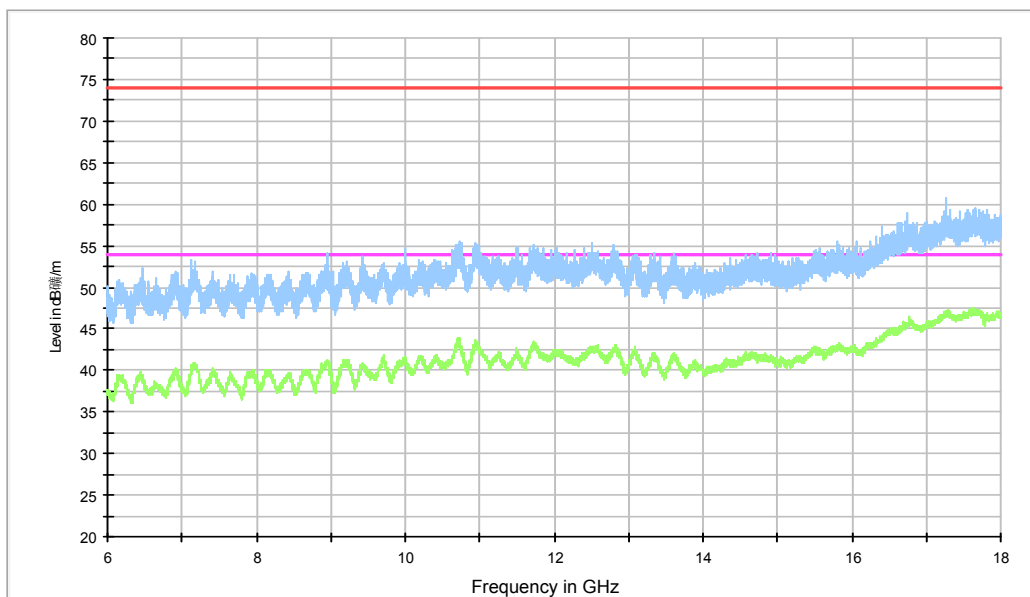


Fig. 155 Radiated Spurious Emission (802.11n-HT20, ch140, 6 GHz-18 GHz)

RE - 1GHz-3GHz

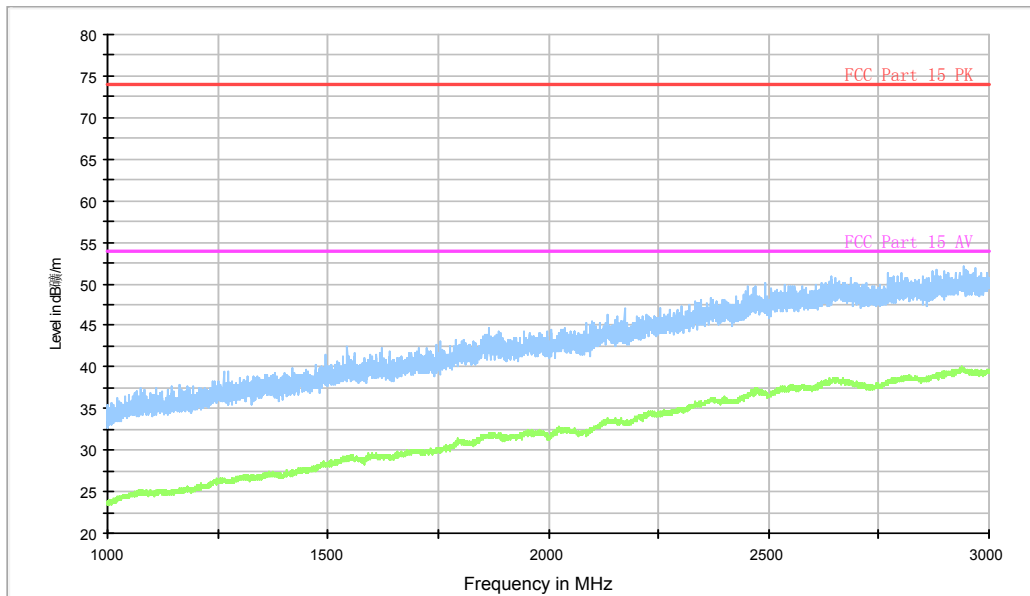


Fig. 156 Radiated Spurious Emission (802.11n-HT40, ch102, 1 GHz-3 GHz)

RE - 3GHz-6GHz

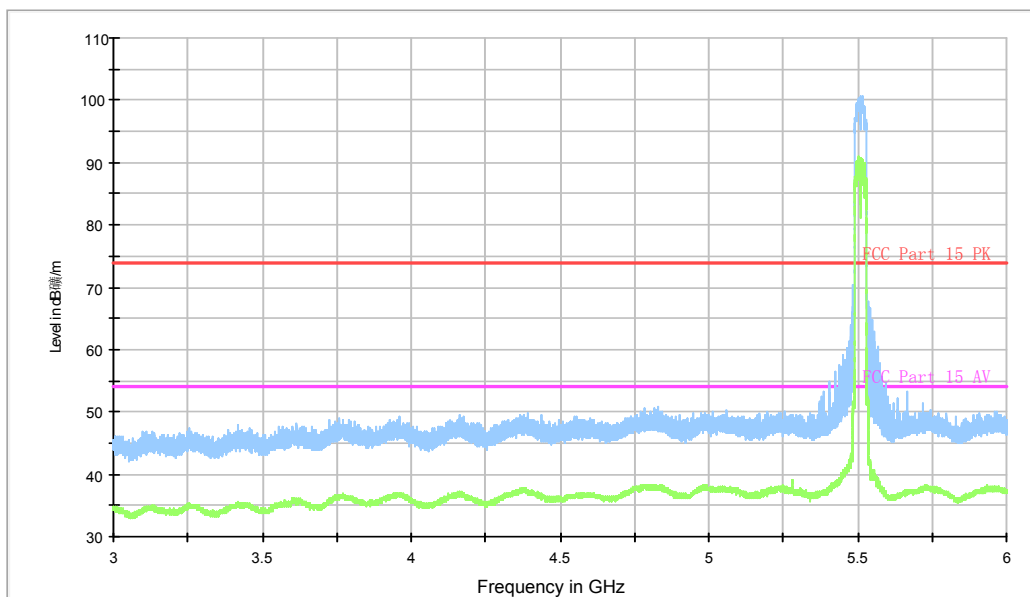


Fig. 157 Radiated Spurious Emission (802.11n-HT40, ch102, 3 GHz-6 GHz)

RE - 6GHz-18GHz

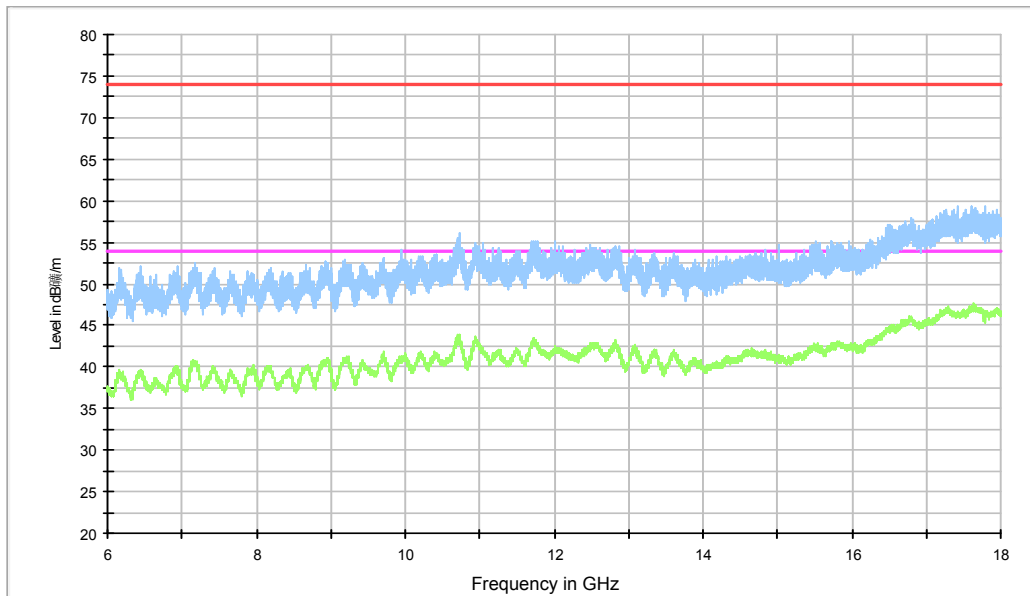


Fig. 158 Radiated Spurious Emission (802.11n-HT40, ch102, 6 GHz-18 GHz)

RE 30MHz-1GHz

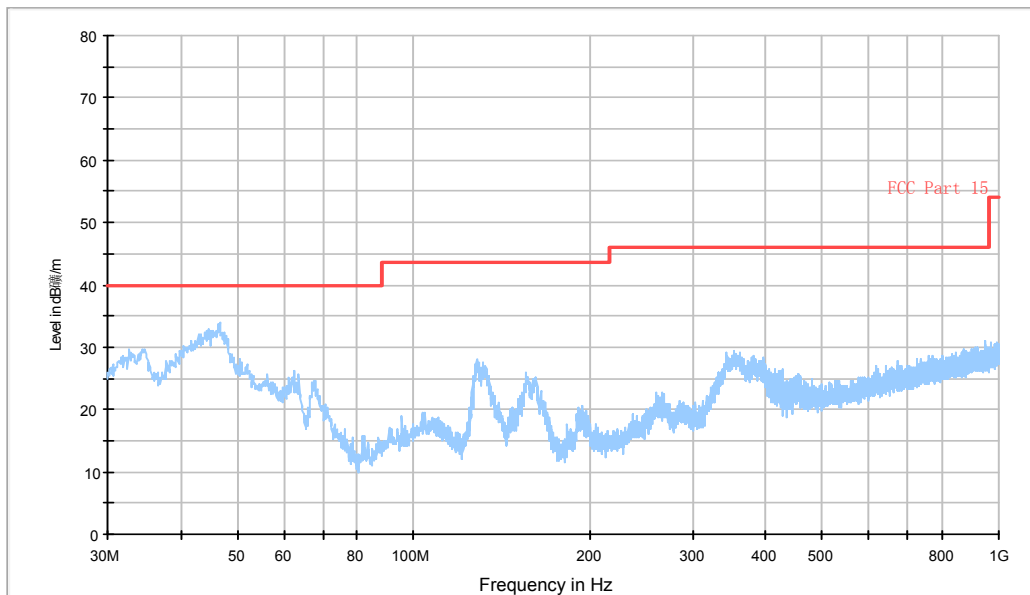


Fig. 159 Radiated Spurious Emission (802.11n-HT40, ch118, 30 MHz-1 GHz)

RE - 1GHz-3GHz

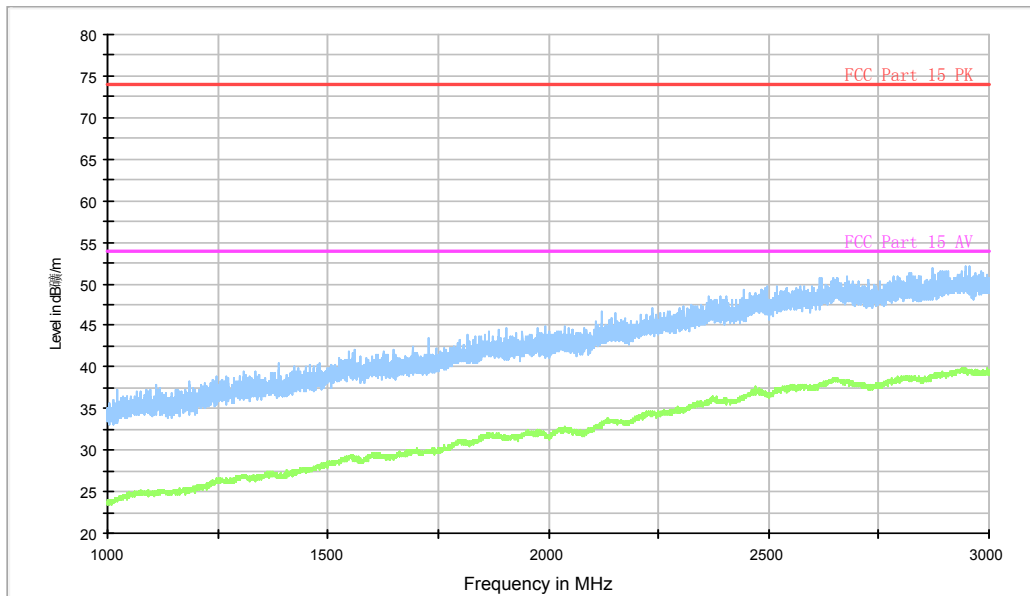


Fig. 160 Radiated Spurious Emission (802.11n-HT40, ch118, 1 GHz-3 GHz)

RE - 3GHz-6GHz

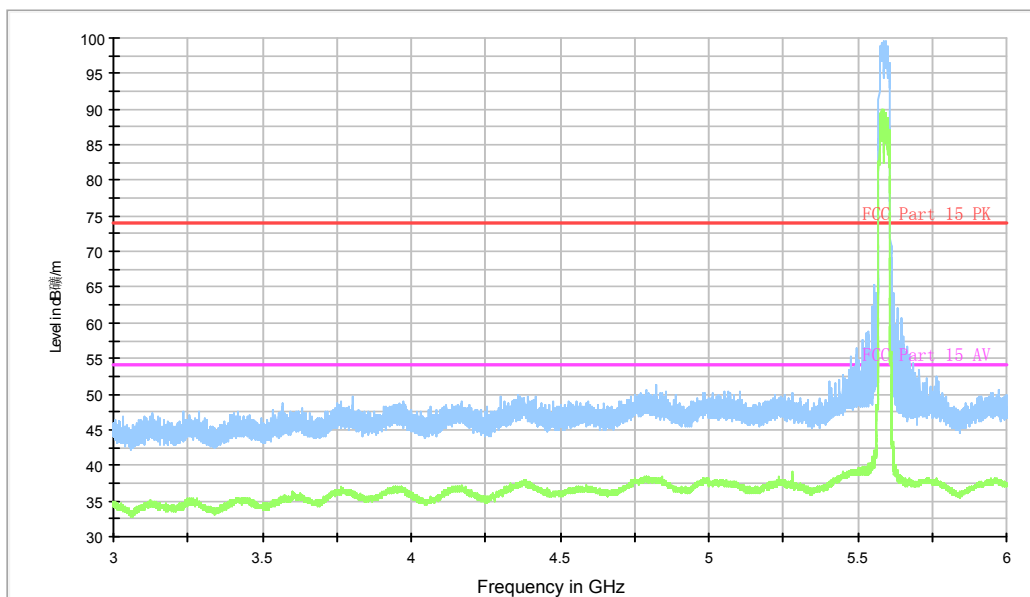


Fig. 161 Radiated Spurious Emission (802.11n-HT40, ch118, 3 GHz-6 GHz)

RE - 6GHz-18GHz

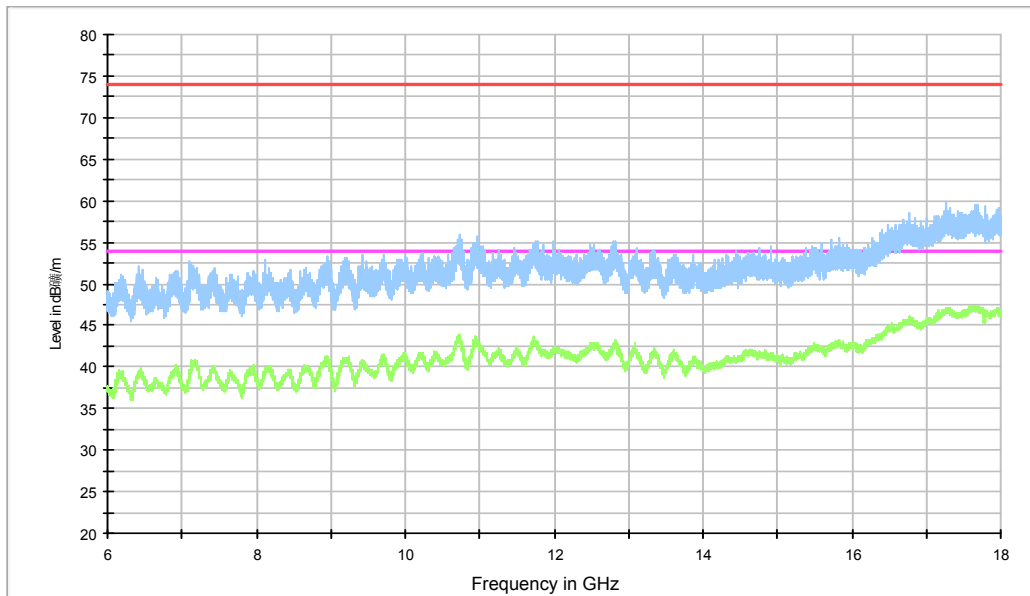


Fig. 162 Radiated Spurious Emission (802.11n-HT40, ch118, 6 GHz-18 GHz)

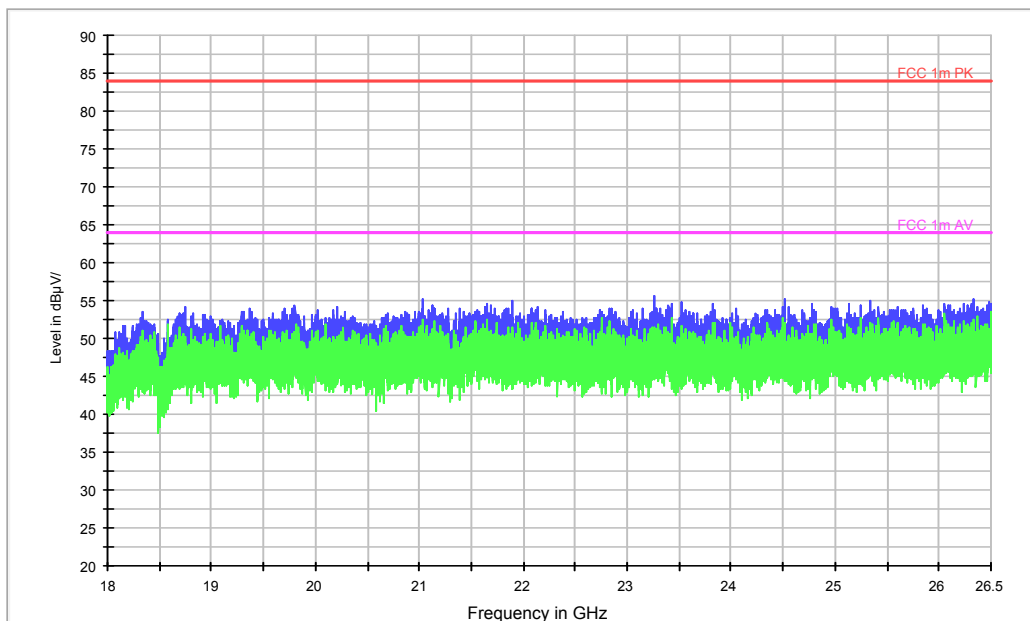


Fig. 163 Radiated Spurious Emission (802.11n-HT40, ch118, 18 GHz-26.5 GHz)

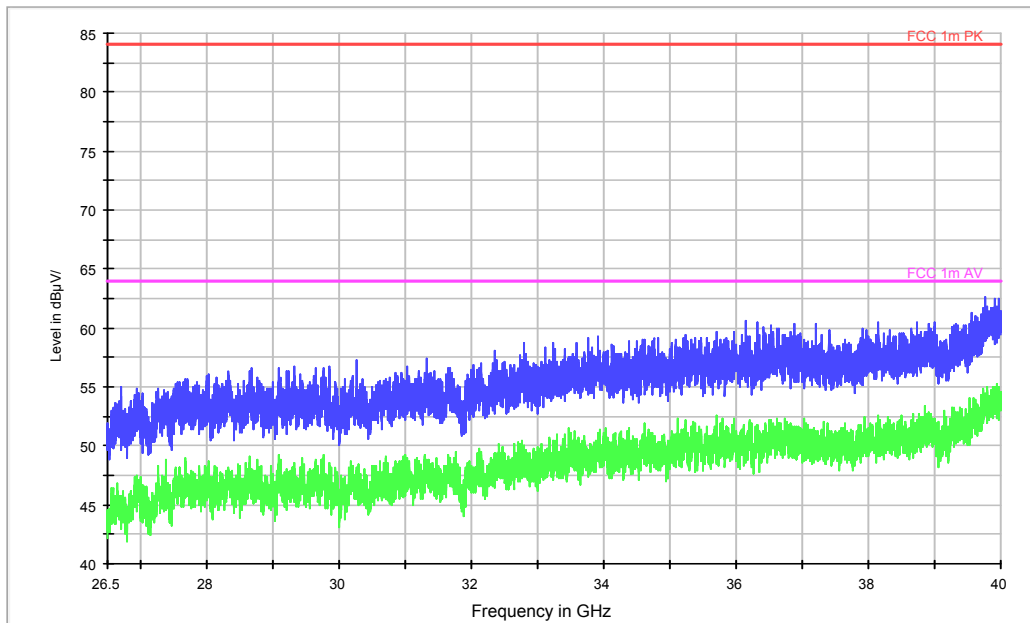


Fig. 164 Radiated Spurious Emission (802.11n-HT40, ch118, 26.5 GHz-40 GHz)

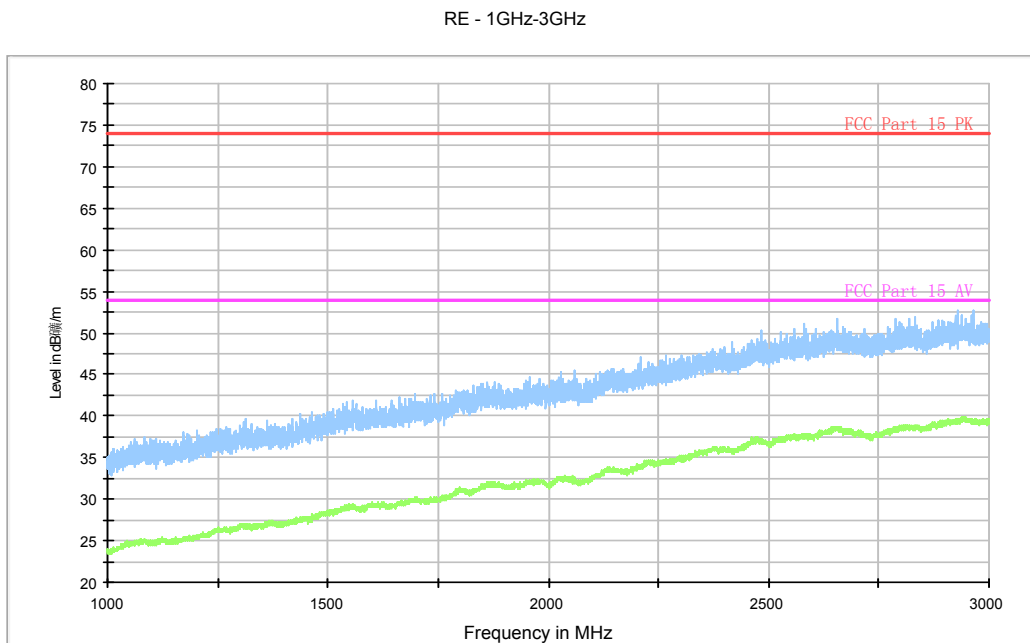


Fig. 165 Radiated Spurious Emission (802.11n-HT40, ch134, 1 GHz-3 GHz)

RE - 3GHz-6GHz

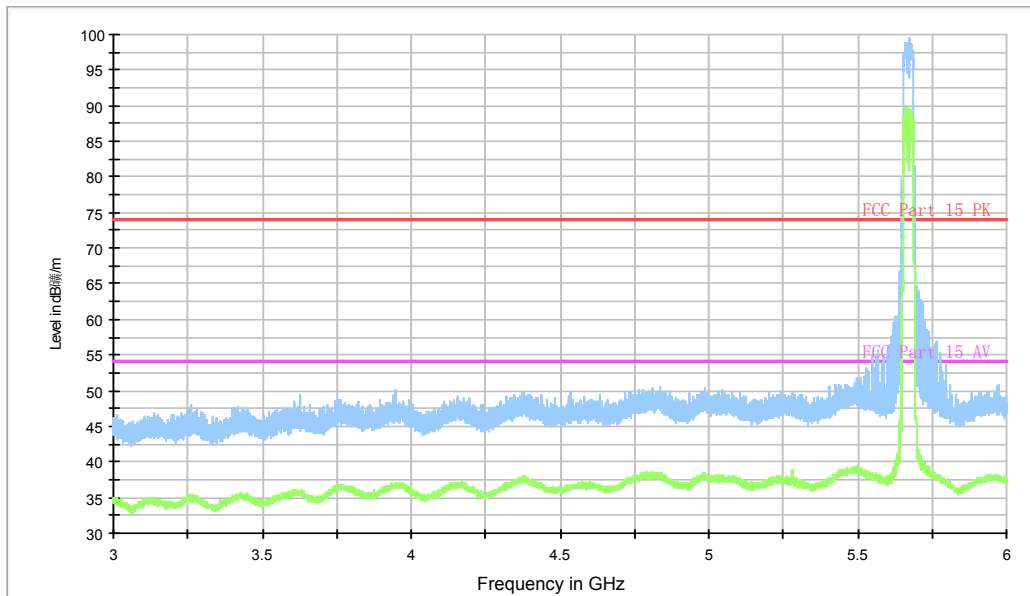


Fig. 166 Radiated Spurious Emission (802.11n-HT40, ch134, 3 GHz-6 GHz)

RE - 6GHz-18GHz

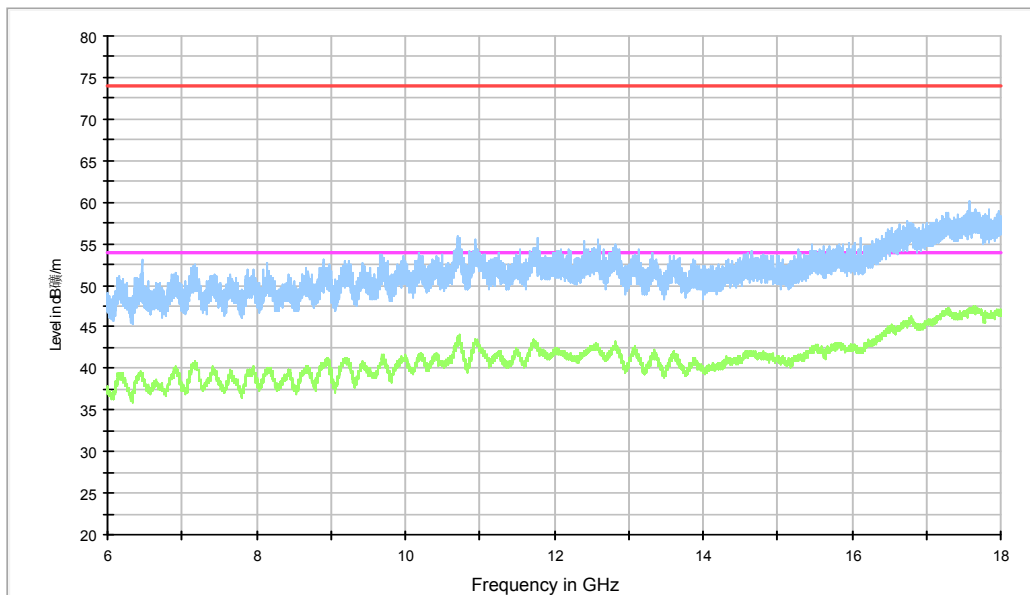


Fig. 167 Radiated Spurious Emission (802.11n-HT40, ch134, 6 GHz-18 GHz)

RE - 1GHz-3GHz

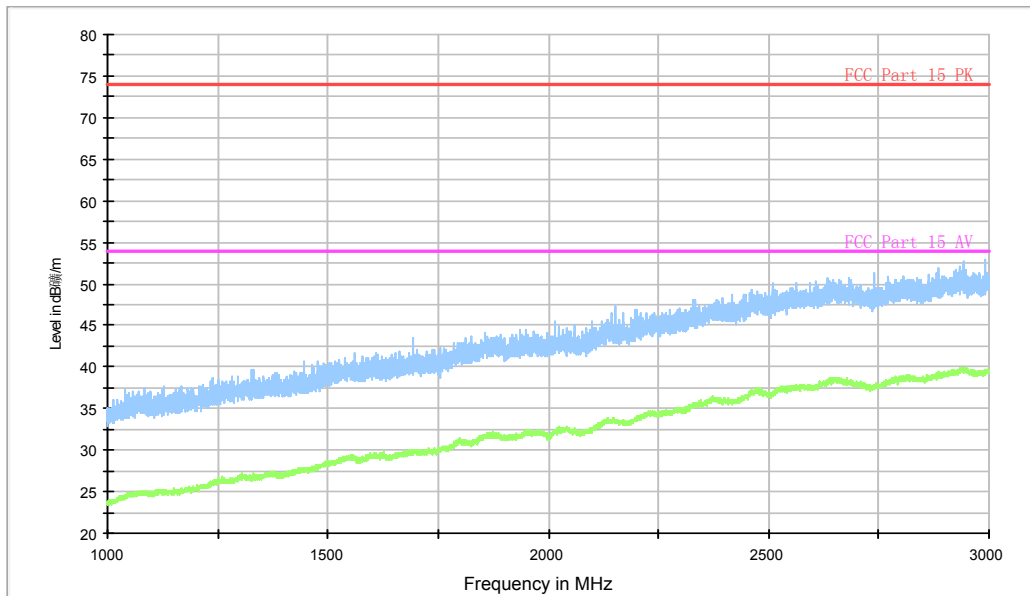


Fig. 168 Radiated Spurious Emission (802.11ac-HT20, ch100, 1 GHz-3 GHz)

RE - 3GHz-6GHz

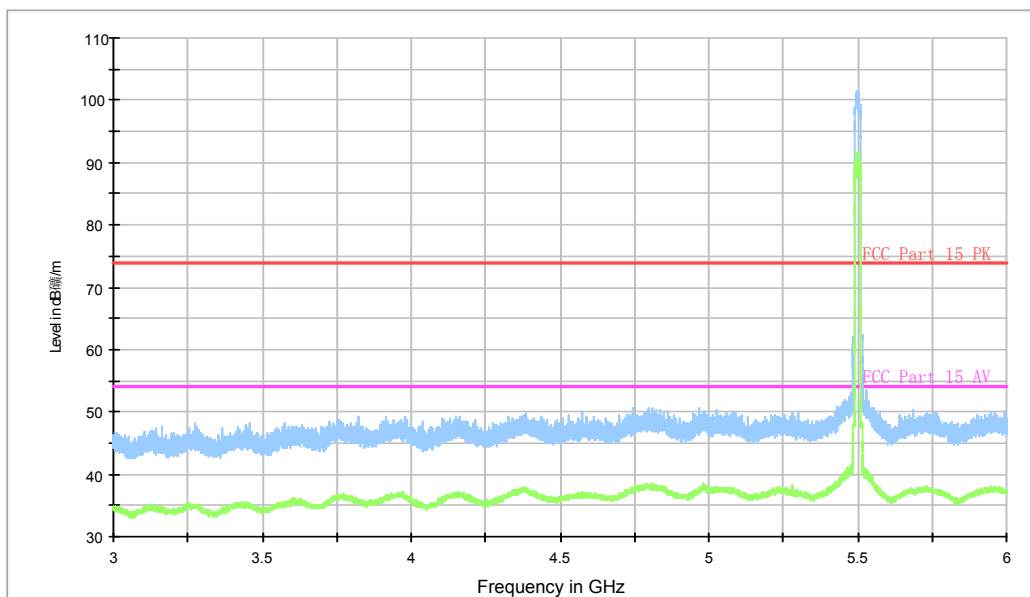


Fig. 169 Radiated Spurious Emission (802.11ac-HT20, ch100, 3 GHz-6 GHz)

RE - 6GHz-18GHz

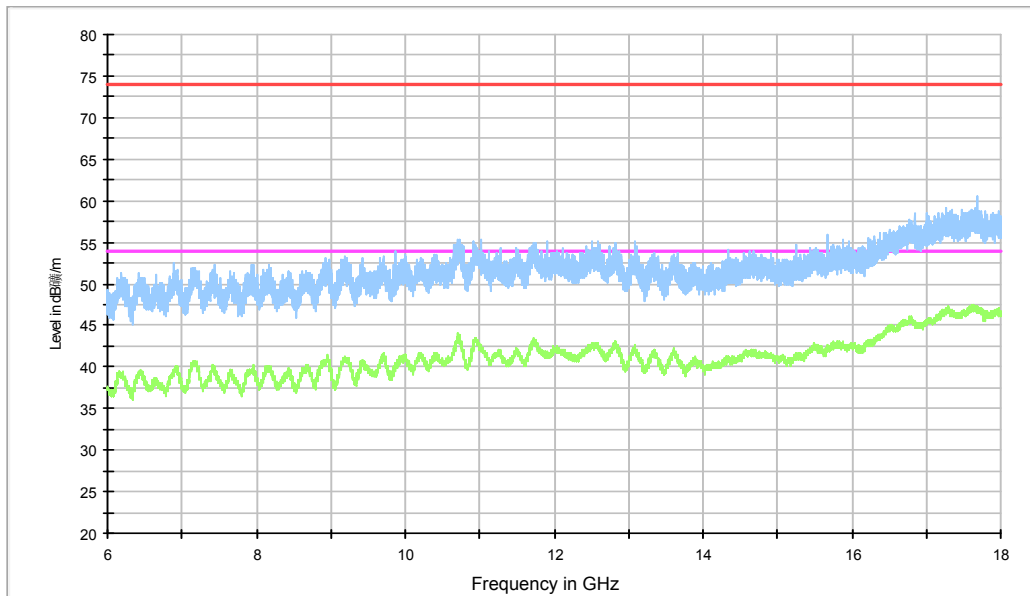


Fig. 170 Radiated Spurious Emission (802.11ac-HT20, ch100, 6 GHz-18GHz)

RE 30MHz-1GHz

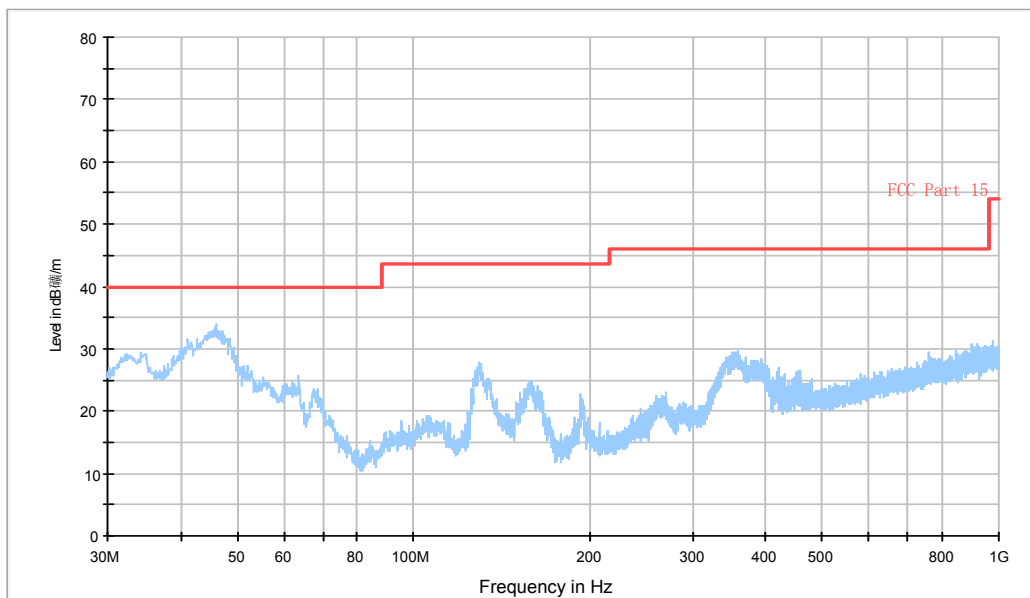


Fig. 171 Radiated Spurious Emission (802.11ac-HT20, ch120, 30 MHz-1 GHz)

RE - 1GHz-3GHz

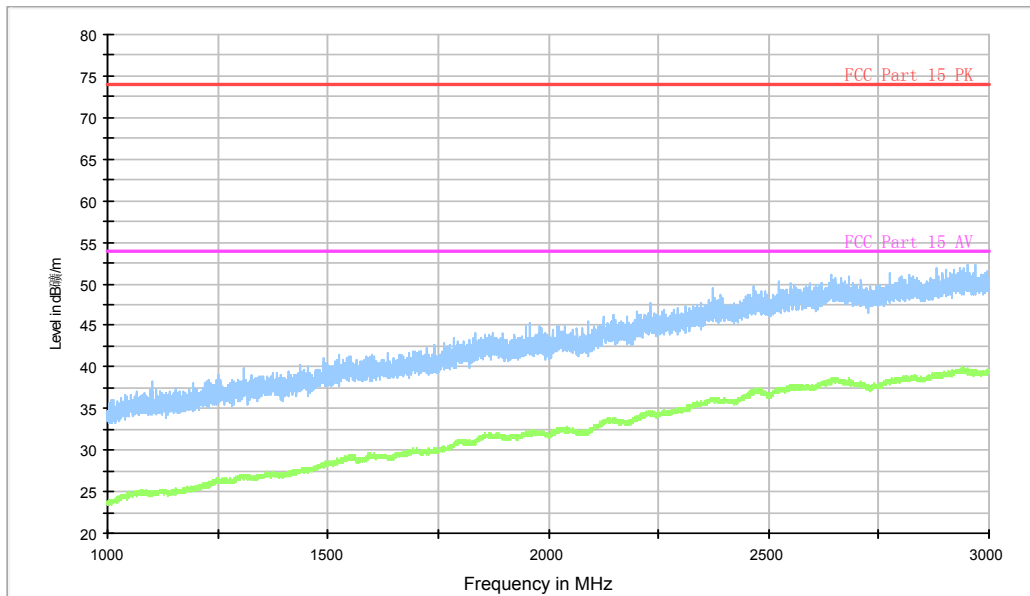


Fig. 172 Radiated Spurious Emission (802.11ac-HT20, ch120, 1 GHz-3 GHz)

RE - 3GHz-6GHz

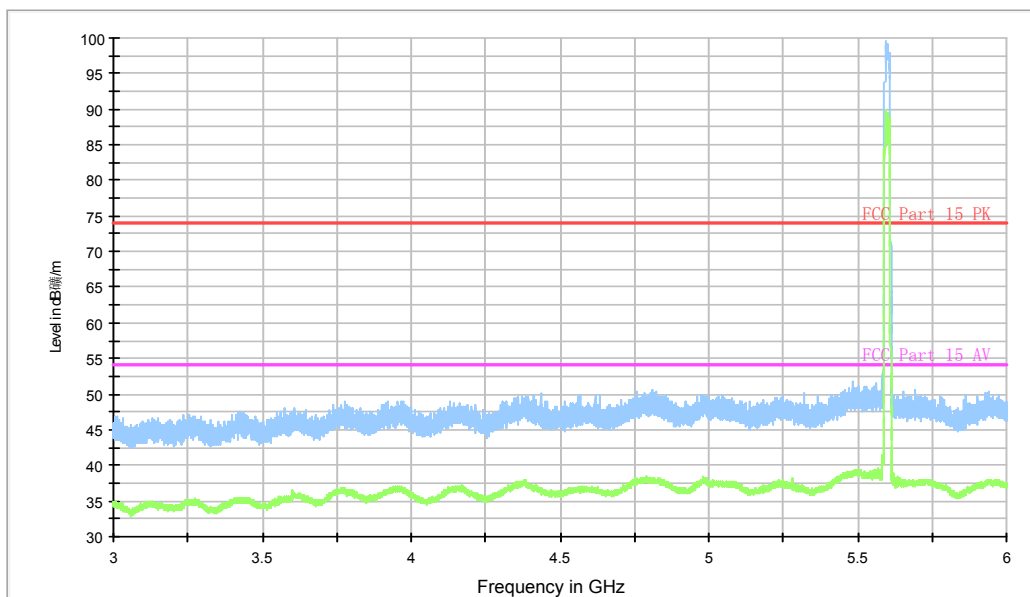


Fig. 173 Radiated Spurious Emission (802.11ac-HT20, ch120, 3 GHz-6 GHz)

RE - 6GHz-18GHz

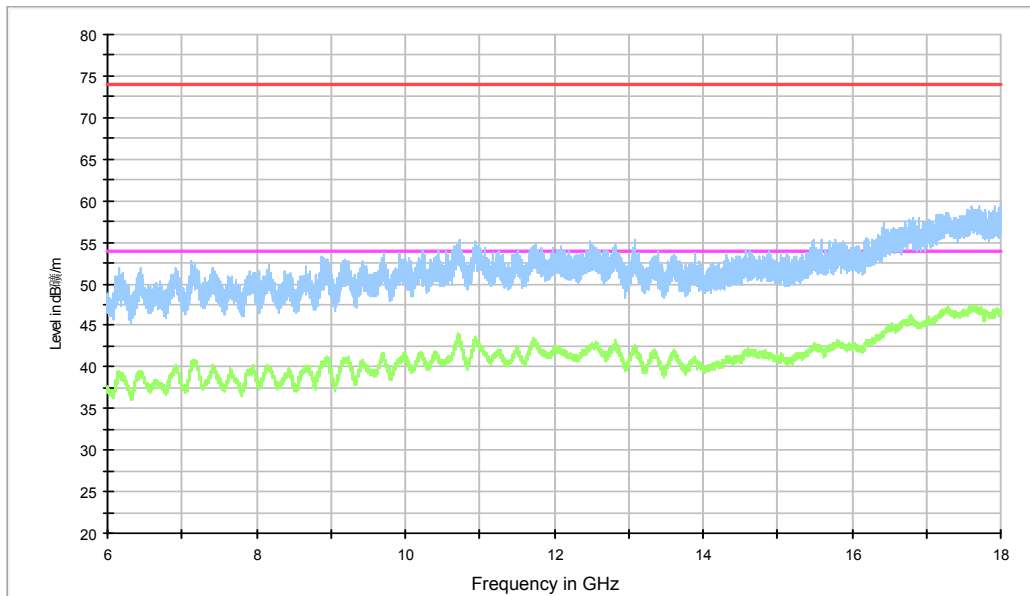


Fig. 174 Radiated Spurious Emission (802.11ac-HT20, ch120, 6 GHz-18 GHz)

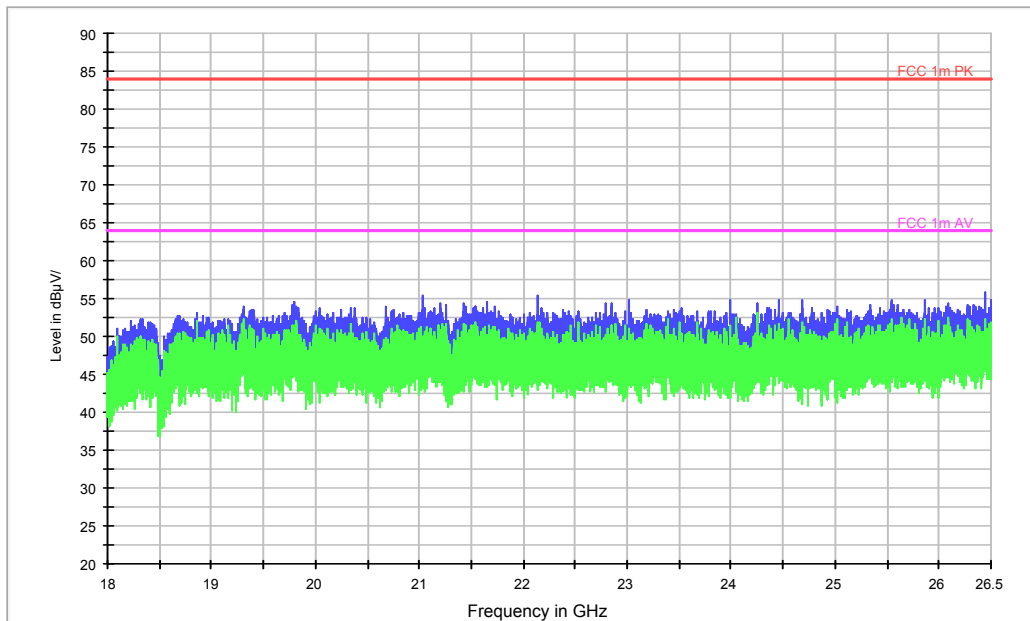


Fig. 175 Radiated Spurious Emission (802.11ac-HT20, ch120, 18 GHz-26.5 GHz)

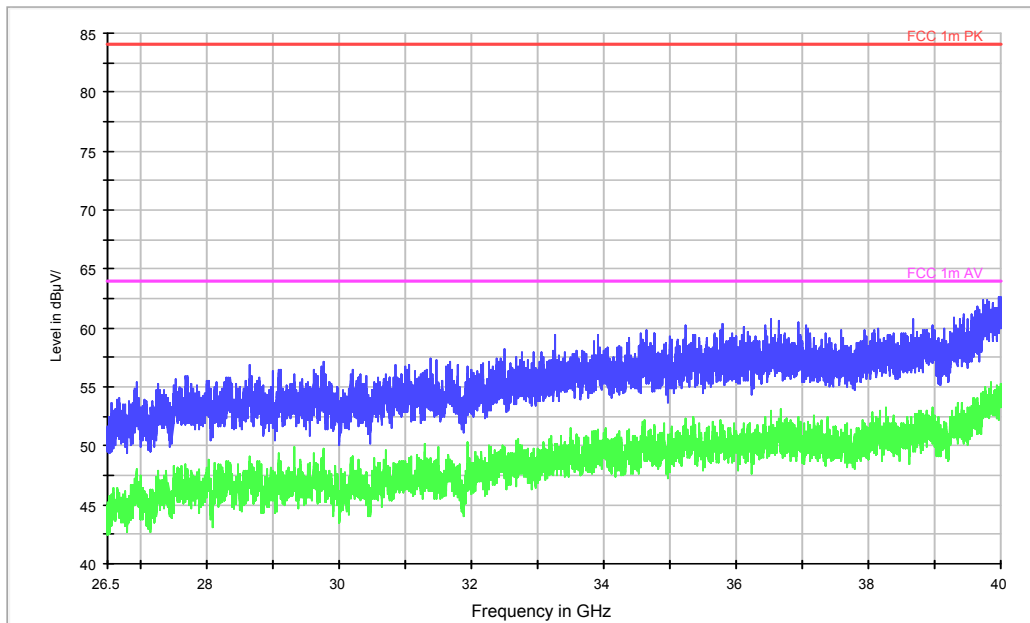


Fig. 176 Radiated Spurious Emission (802.11ac-HT20, ch120, 26.5 GHz-40 GHz)

RE - 1GHz-3GHz

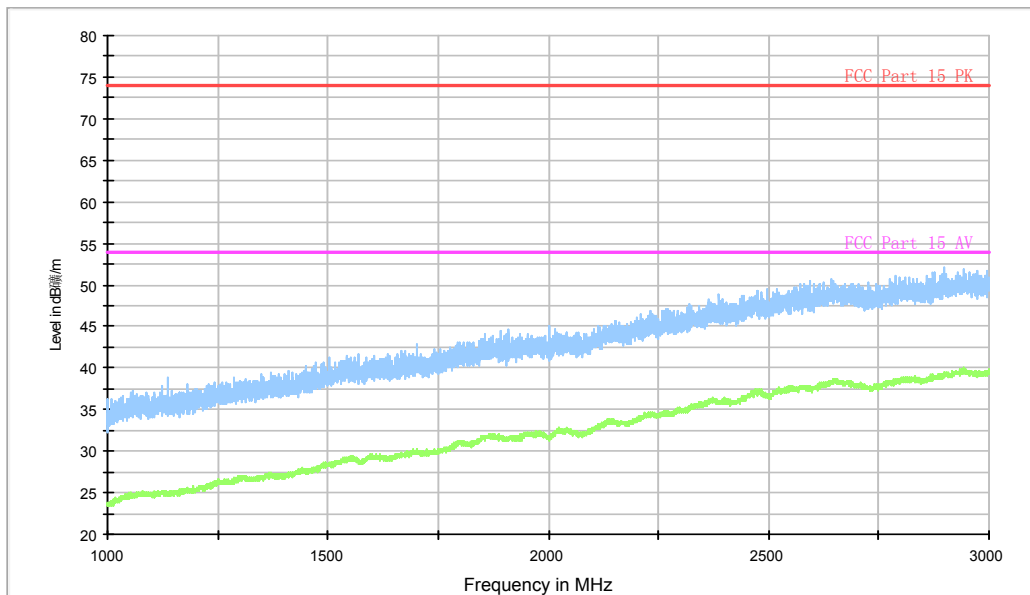


Fig. 177 Radiated Spurious Emission (802.11ac-HT20, ch140, 1 GHz-3GHz)

RE - 3GHz-6GHz

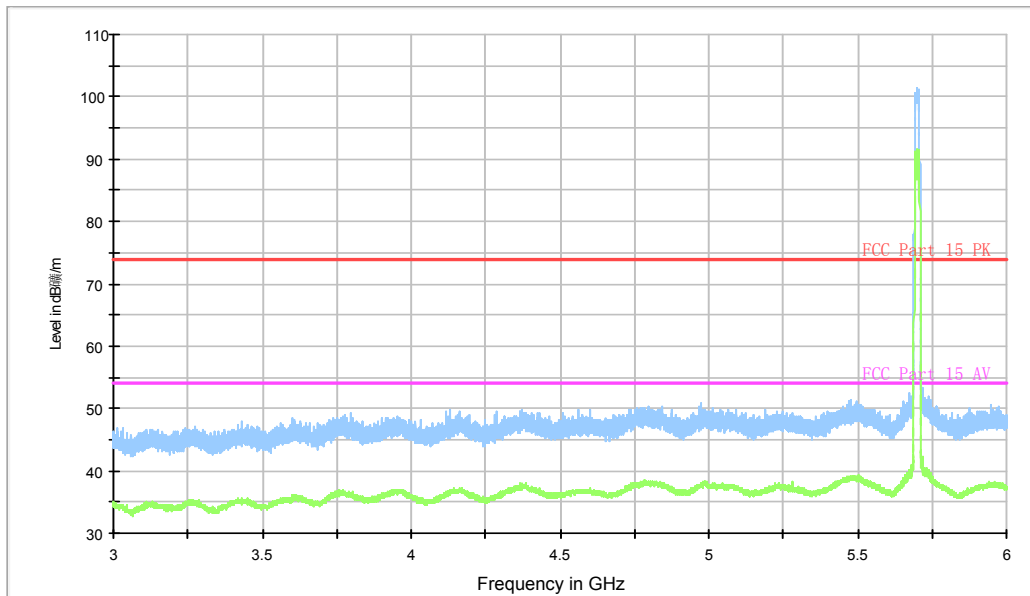


Fig. 178 Radiated Spurious Emission (802.11ac-HT20, ch140, 1 GHz-3GHz)

RE - 6GHz-18GHz

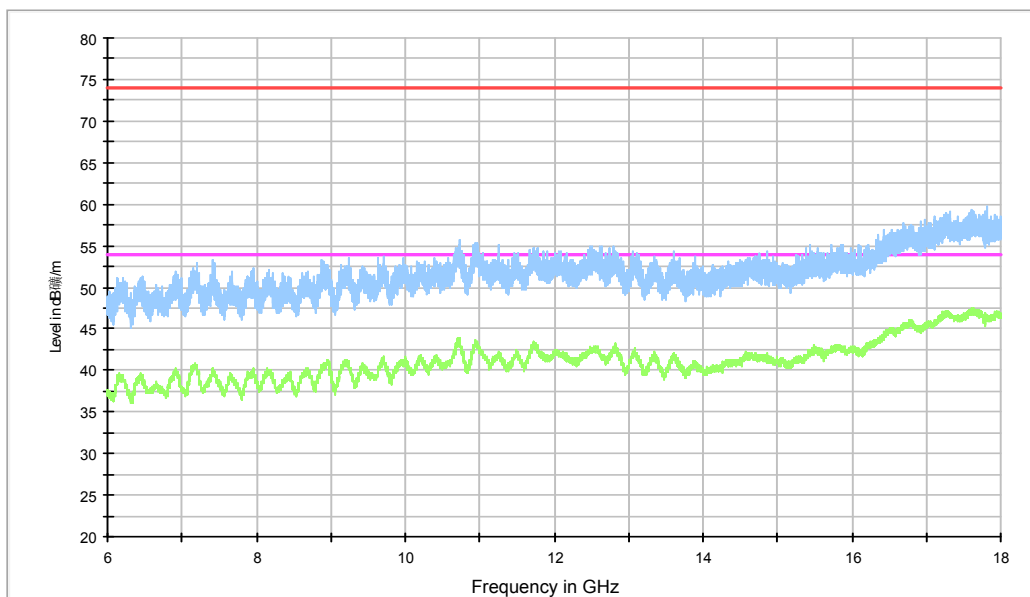


Fig. 179 Radiated Spurious Emission (802.11ac-HT20, ch140, 6 GHz-18 GHz)

RE - 1GHz-3GHz

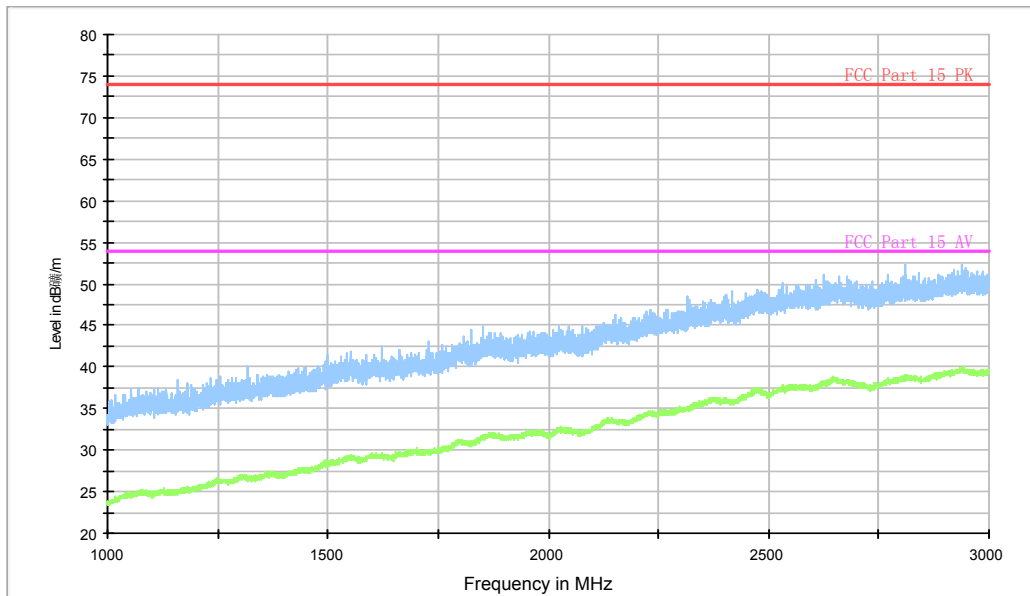


Fig. 180 Radiated Spurious Emission (802.11ac-HT40, ch102, 1 GHz-3 GHz)

RE - 3GHz-6GHz

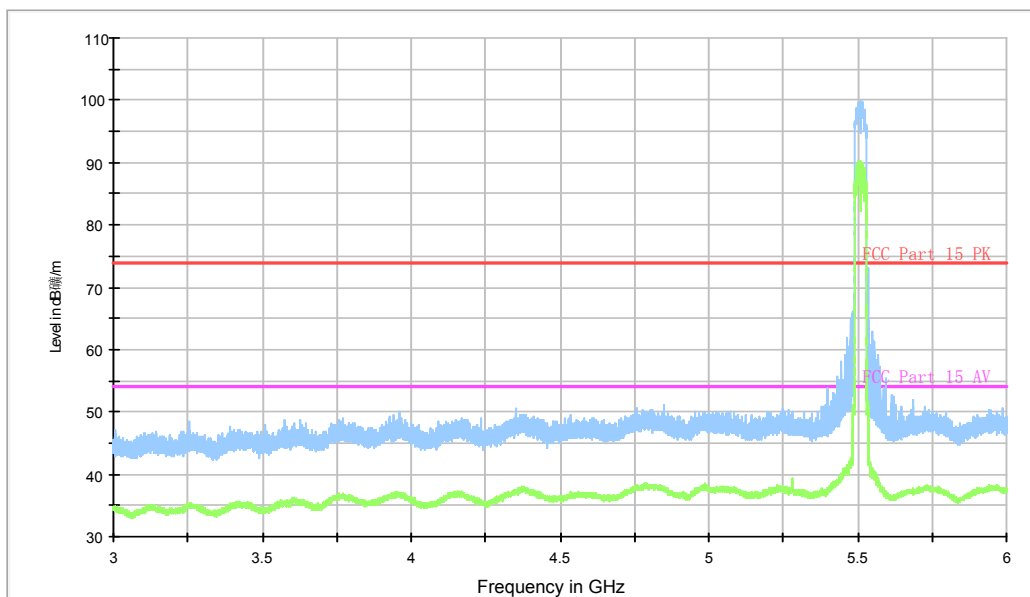


Fig. 181 Radiated Spurious Emission (802.11ac-HT40, ch102, 3 GHz-6 GHz)

RE - 6GHz-18GHz

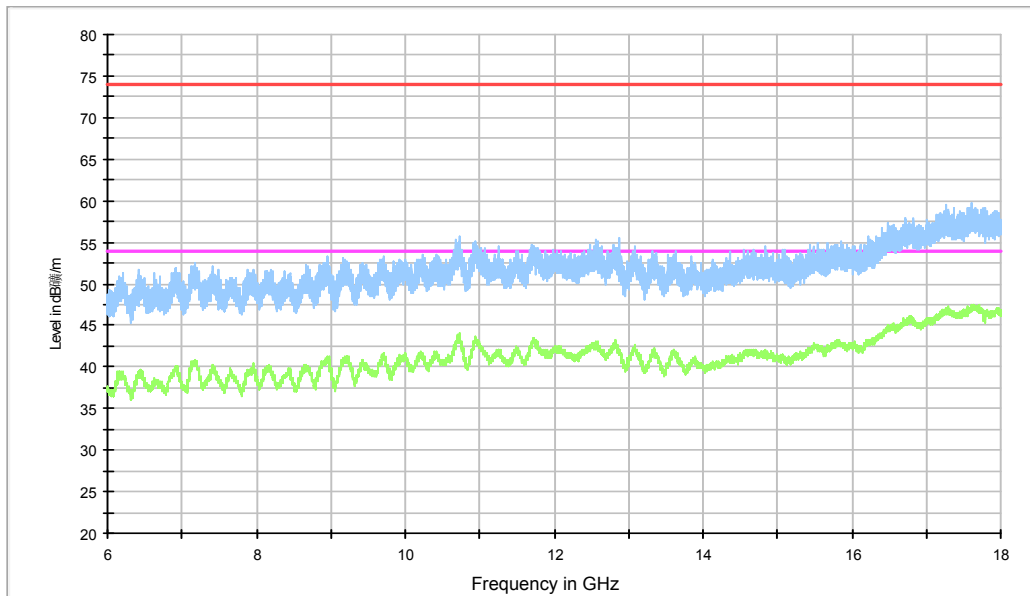


Fig. 182 Radiated Spurious Emission (802.11ac-HT40, ch102, 6 GHz-18 GHz)

RE 30MHz-1GHz

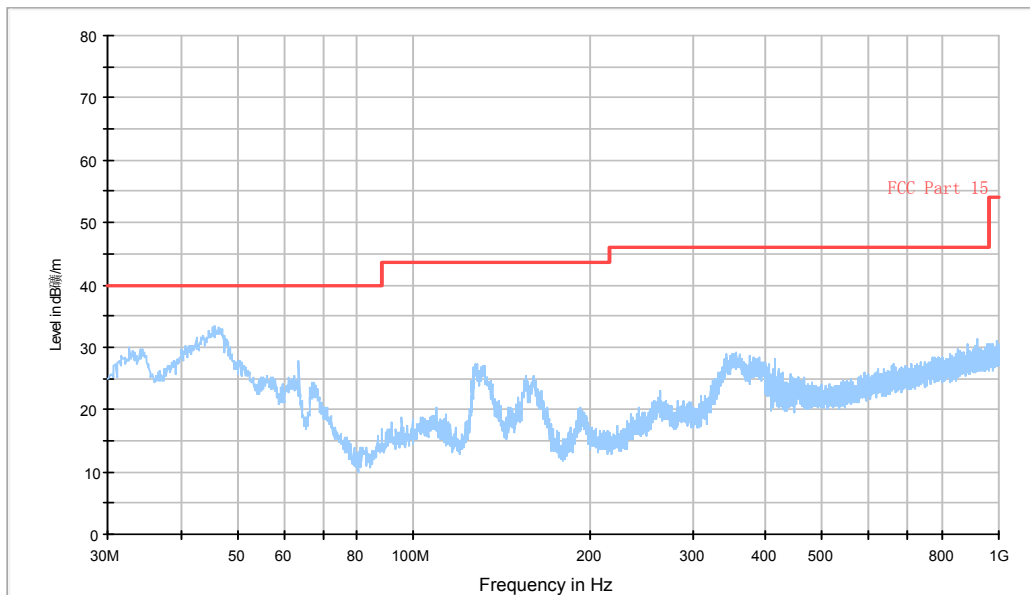


Fig. 183 Radiated Spurious Emission (802.11ac-HT40, ch118, 30 MHz-1 GHz)

RE - 1GHz-3GHz

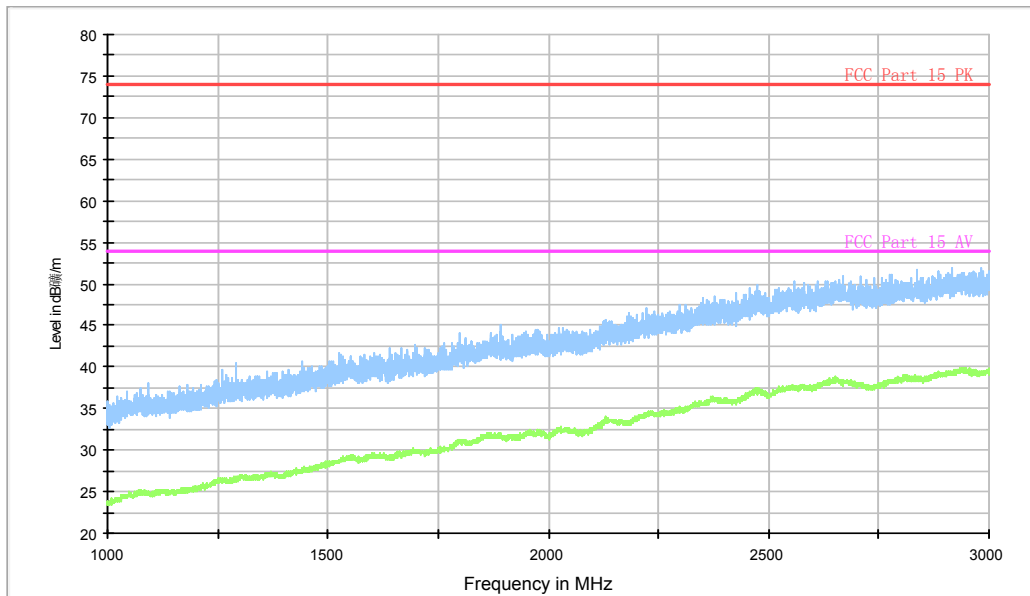


Fig. 184 Radiated Spurious Emission (802.11ac-HT40, ch118, 1 GHz-3 GHz)

RE - 3GHz-6GHz

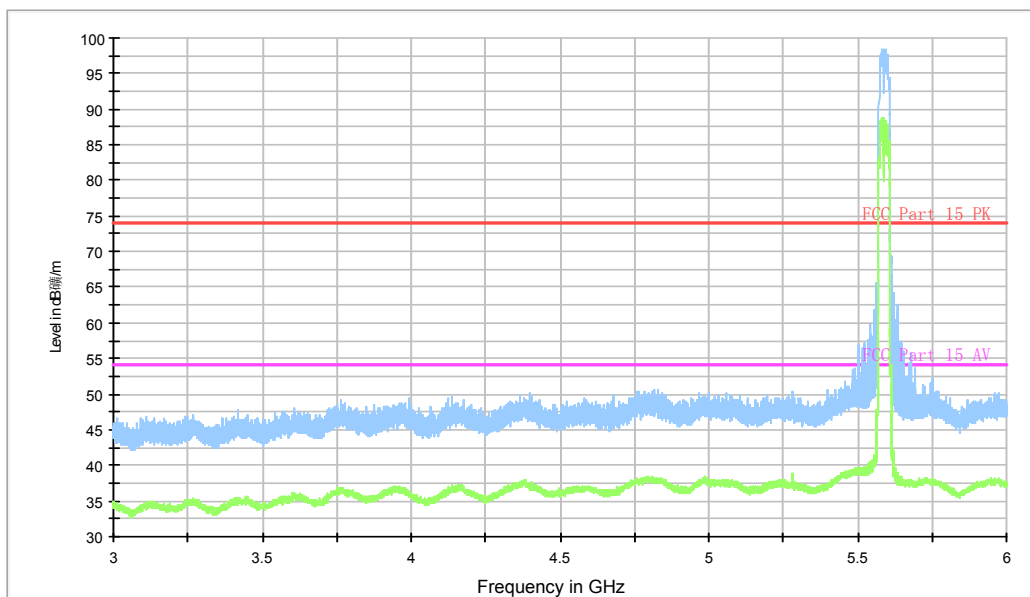


Fig. 185 Radiated Spurious Emission (802.11ac-HT40, ch118, 3 GHz-4 GHz)

RE - 6GHz-18GHz

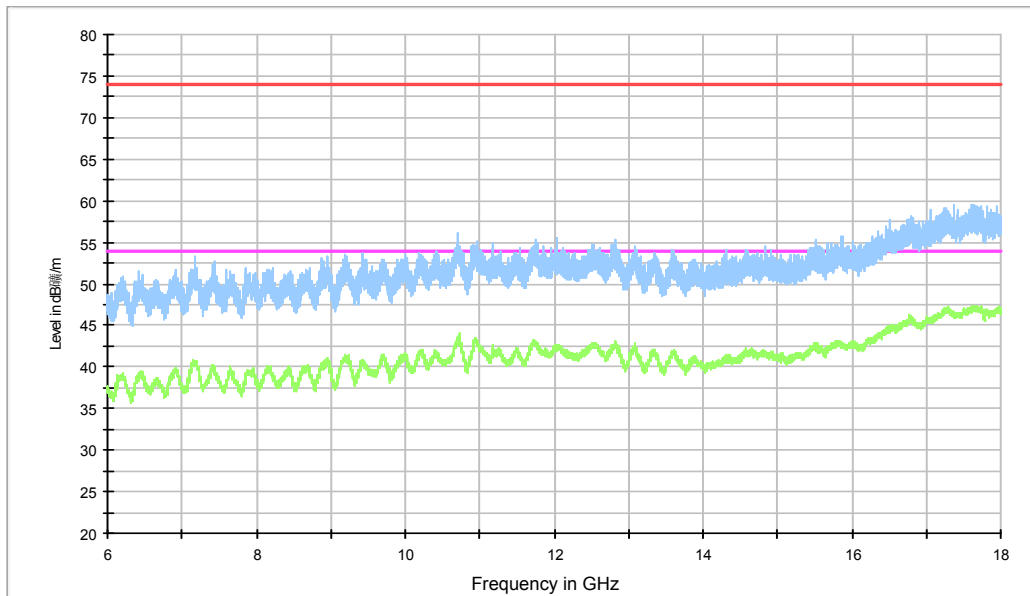


Fig. 186 Radiated Spurious Emission (802.11ac-HT40, ch118, 6 GHz-18 GHz)

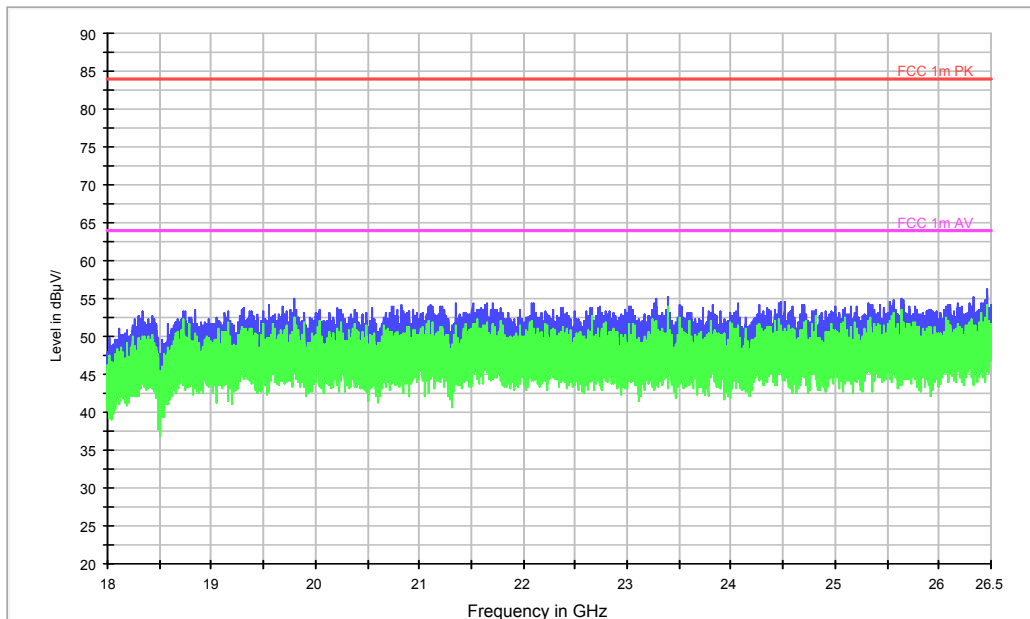


Fig. 187 Radiated Spurious Emission (802.11ac-HT40, ch118, 18 GHz-26.5 GHz)

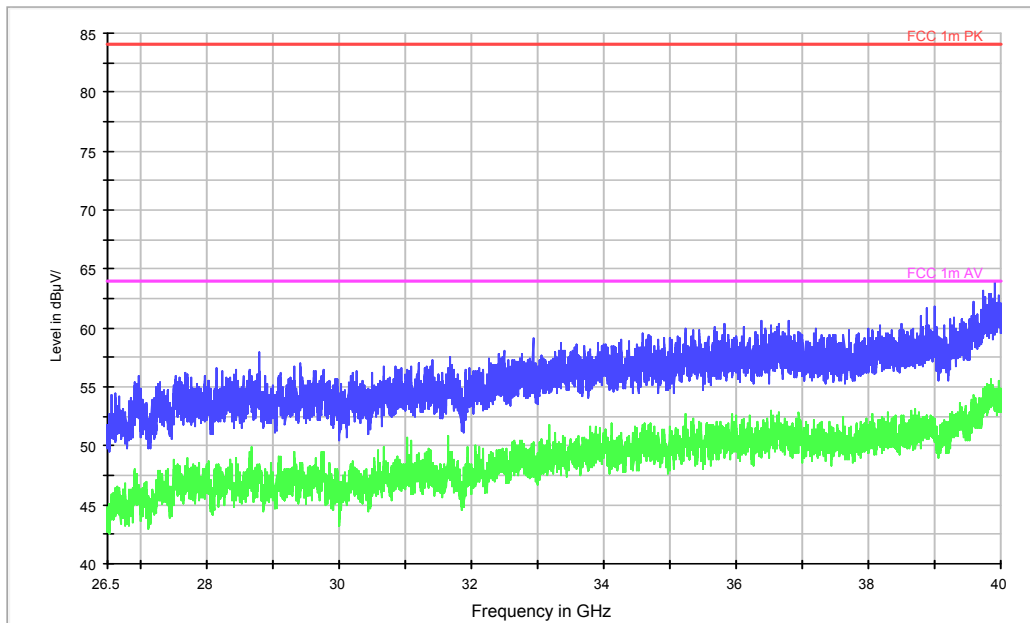


Fig. 188 Radiated Spurious Emission (802.11ac-HT40, ch118, 26.5 GHz-40 GHz)

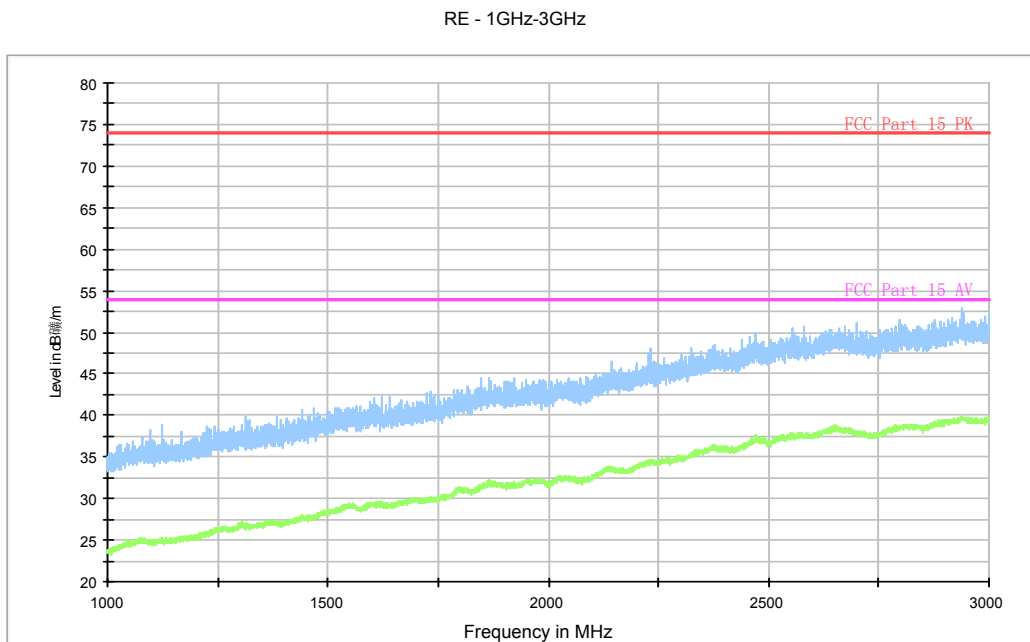


Fig. 189 Radiated Spurious Emission (802.11ac-HT40, ch134, 1 GHz-3 GHz)

RE - 3GHz-6GHz

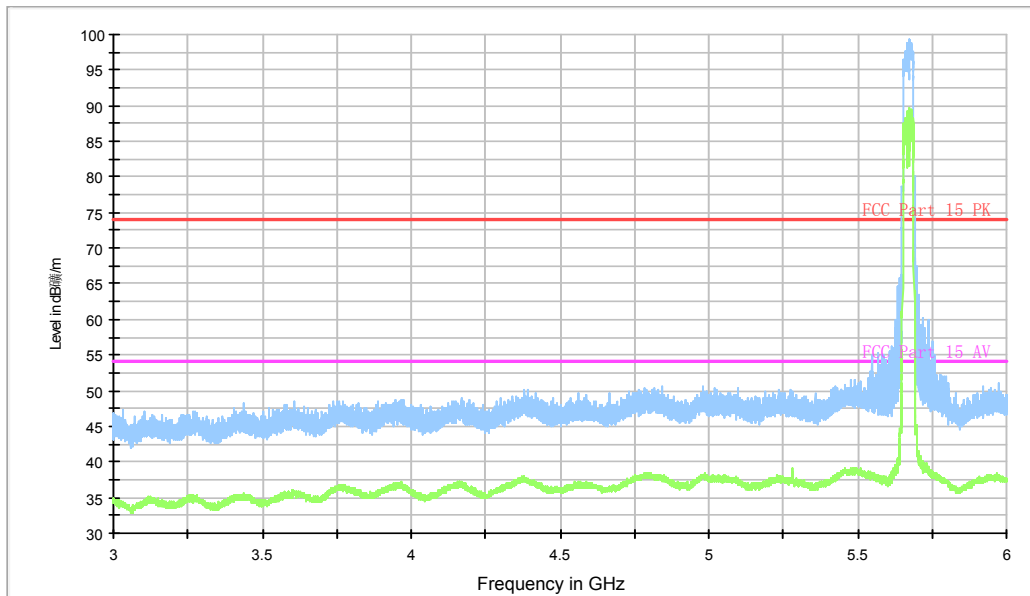


Fig. 190 Radiated Spurious Emission (802.11ac-HT40, ch134, 3 GHz-6 GHz)

RE - 6GHz-18GHz

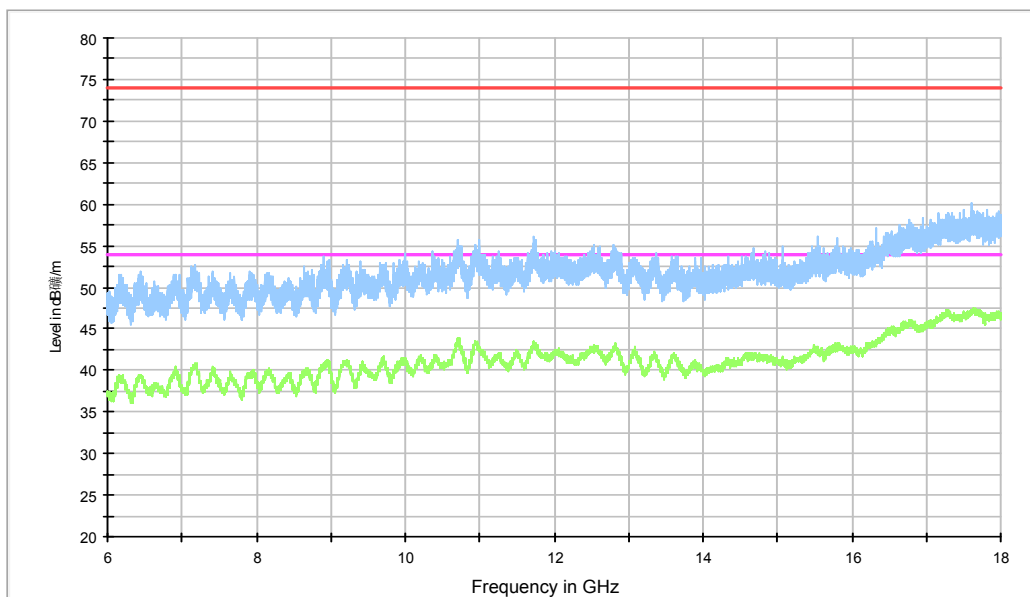


Fig. 191 Radiated Spurious Emission (802.11ac-HT40, ch134, 6 GHz-18 GHz)

802.11ac-HT80 mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11ac -HT80	42(5210MHz)	1 GHz ~ 3 GHz	Fig.192	P
		3 GHz ~ 6 GHz	Fig.193	P
		6 GHz ~ 18 GHz	Fig.194	P
	58(5290MHz)	30 MHz ~1 GHz	Fig.195	P
		1 GHz ~ 3 GHz	Fig.196	P
		3 GHz ~ 6 GHz	Fig.197	P
		6 GHz ~ 18 GHz	Fig.198	P
		18 GHz ~ 26.5 GHz	Fig.199	P
	106(5530MHz)	26.5 GHz ~ 40 GHz	Fig.200	P
		1 GHz ~ 3 GHz	Fig.201	P
		3 GHz ~ 6 GHz	Fig.202	P
		6 GHz ~ 18 GHz	Fig.203	P

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{CableLoss} + \text{Antenna Factor}$$

802.11ac-HT80

Channel 42

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
5144.440	38.2	-19.4	34.4	20.36	H
5149.880	38.3	-19.4	34.4	20.50	H
10418.800	40.5	-16.7	38.0	19.15	H
15629.500	40.9	-17.6	40.2	18.39	H
17271.800	45.9	-14.0	41.2	18.76	H
17639.200	46.2	-13.0	41.1	18.17	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5139.480	53.6	-19.5	34.4	38.61	V
5143.640	54.4	-19.4	34.4	39.36	H
17500.200	59.6	-14.5	41.2	32.82	V
17443.200	59.3	-14.8	41.2	32.95	H
17287.800	59.1	-13.9	41.2	31.87	H
17271.600	59.1	-14.0	41.2	31.88	V

Channel 58

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5350.170	38.5	-19.4	34.6	22.13	H
5351.870	38.4	-19.4	34.6	22.13	H
10578.300	40.0	-17.5	38.1	19.36	H
15883.600	41.7	-17.2	40.4	18.60	H
17268.500	45.8	-14.0	41.2	18.66	H
17649.100	46.0	-13.0	41.1	18.01	H

Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5351.060	52.2	-19.4	34.6	37.08	H
5369.580	52.7	-19.1	34.6	37.23	V
17636.400	60.1	-13.0	41.1	32.01	H
17620.200	59.8	-13.1	41.1	31.89	V
17534.400	59.5	-14.1	41.2	32.36	V
17260.800	59.4	-14.1	41.2	32.29	V

Channel 106

Average

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5456.520	41.0	-16.9	34.7	24.01	H
5459.996	40.9	-16.9	34.7	24.05	H
11059.010	40.7	-16.7	38.2	19.16	H
16606.320	43.7	-15.9	41.3	18.29	H
17276.200	45.9	-14.0	41.2	18.69	H
17692.300	45.9	-13.2	41.0	18.02	H



Peak

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
5453.800	55.9	-16.9	34.7	38.03	H
5459.540	55.3	-16.9	34.7	37.46	V
17671.200	59.5	-13.1	41.1	31.55	V
17802.600	59.5	-13.4	41.0	31.96	V
17640.000	59.4	-13.0	41.1	31.30	V
17669.400	59.2	-13.1	41.1	31.23	V

Test graphs as below:

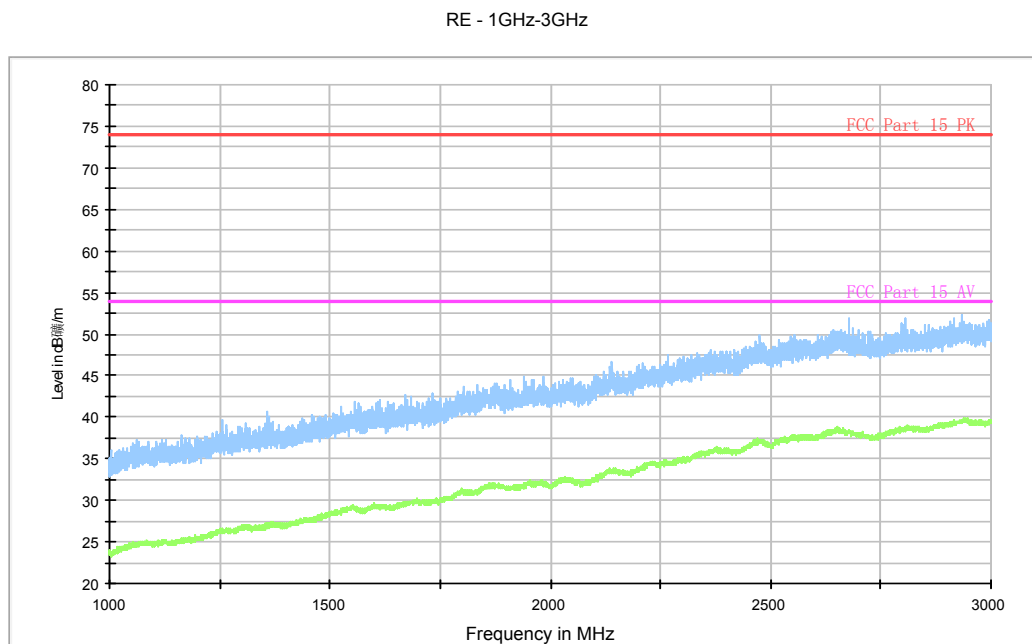


Fig. 192 Radiated Spurious Emission (802.11ac-HT80, ch42, 1 GHz-3 GHz)

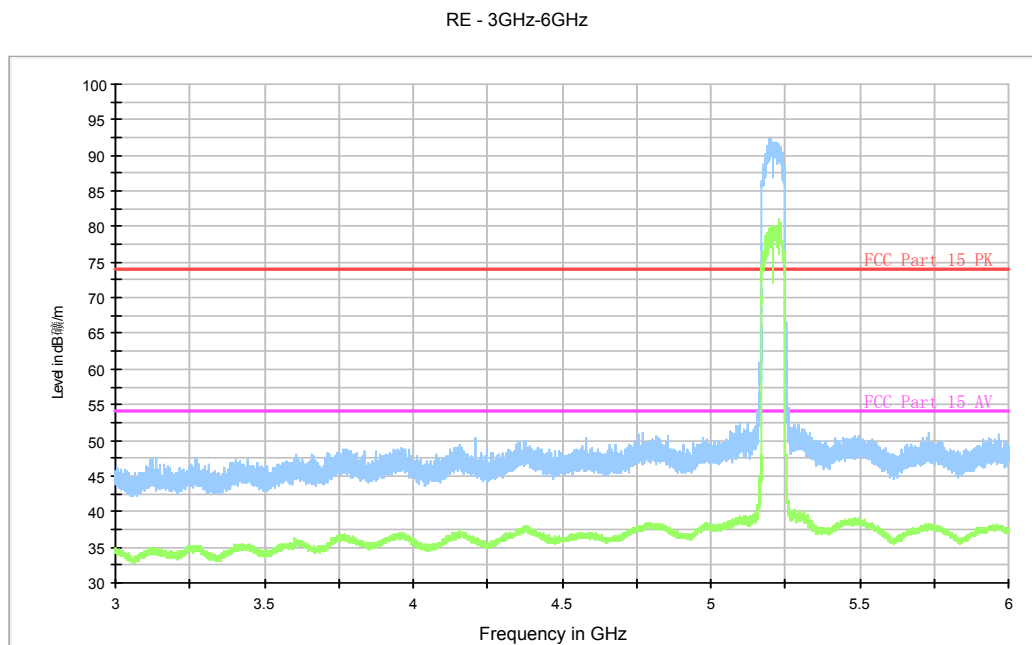


Fig. 193 Radiated Spurious Emission (802.11ac-HT80, ch42, 3 GHz-6 GHz)

RE - 6GHz-18GHz

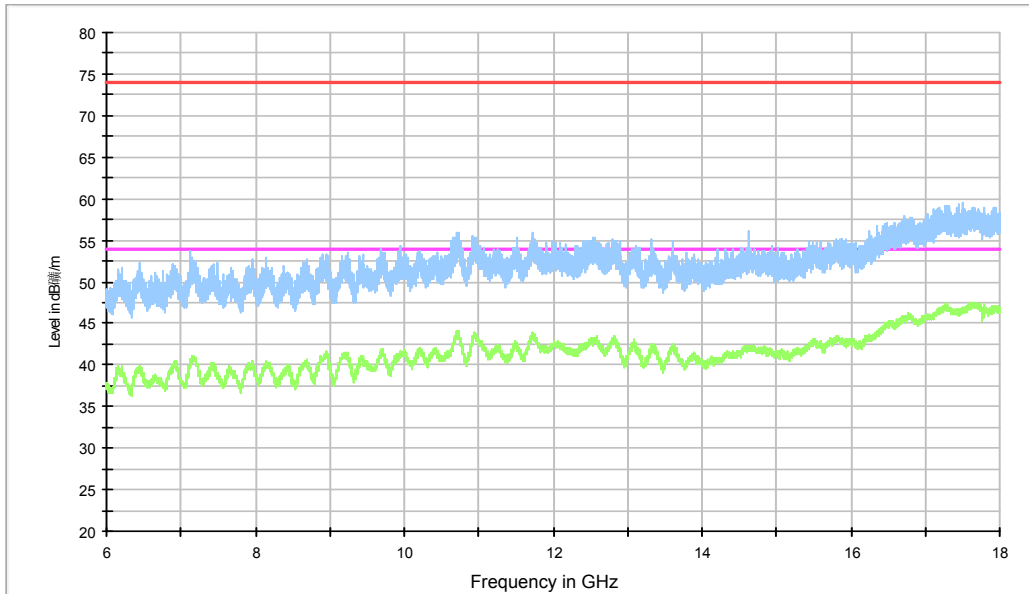


Fig. 194 Radiated Spurious Emission (802.11ac-HT80, ch42, 6 GHz-18 GHz)

RE 30MHz-1GHz

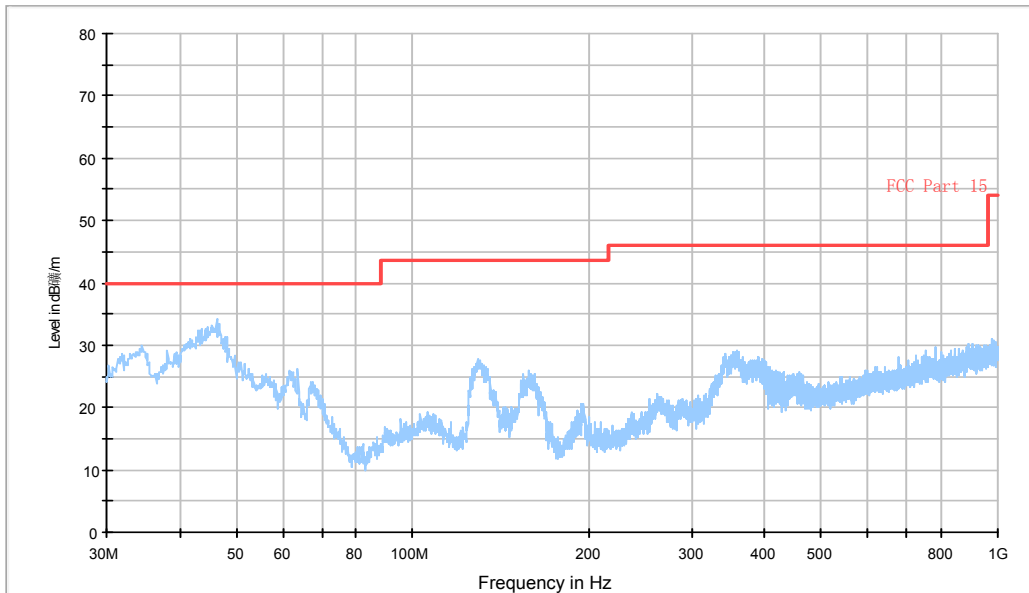


Fig. 195 Radiated Spurious Emission (802.11ac-HT80, ch58, 30 MHz-1 GHz)

RE - 1GHz-3GHz

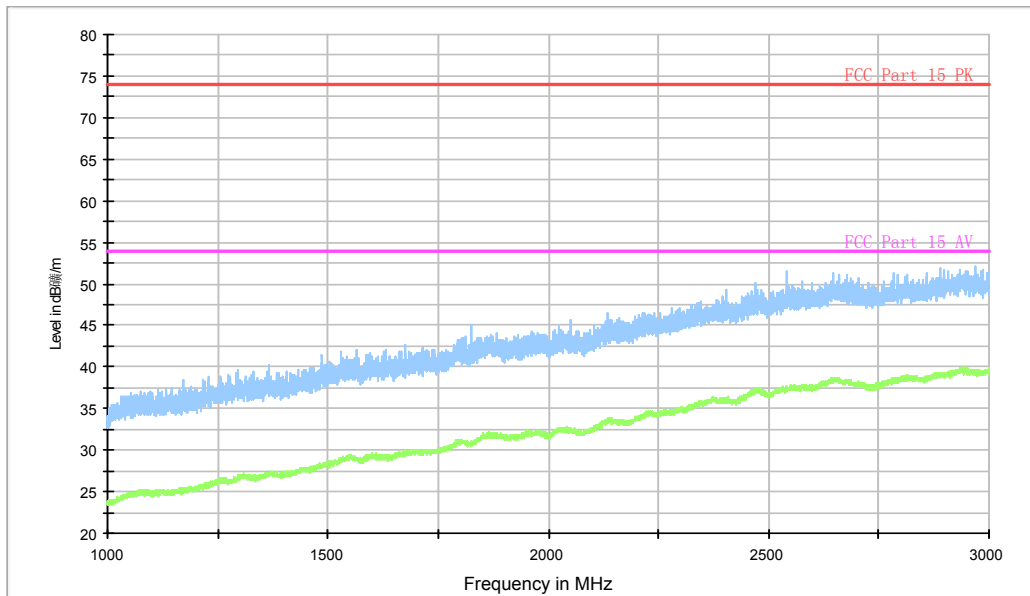


Fig. 196 Radiated Spurious Emission (802.11ac-HT80, ch58, 1 GHz-3 GHz)

RE - 3GHz-6GHz

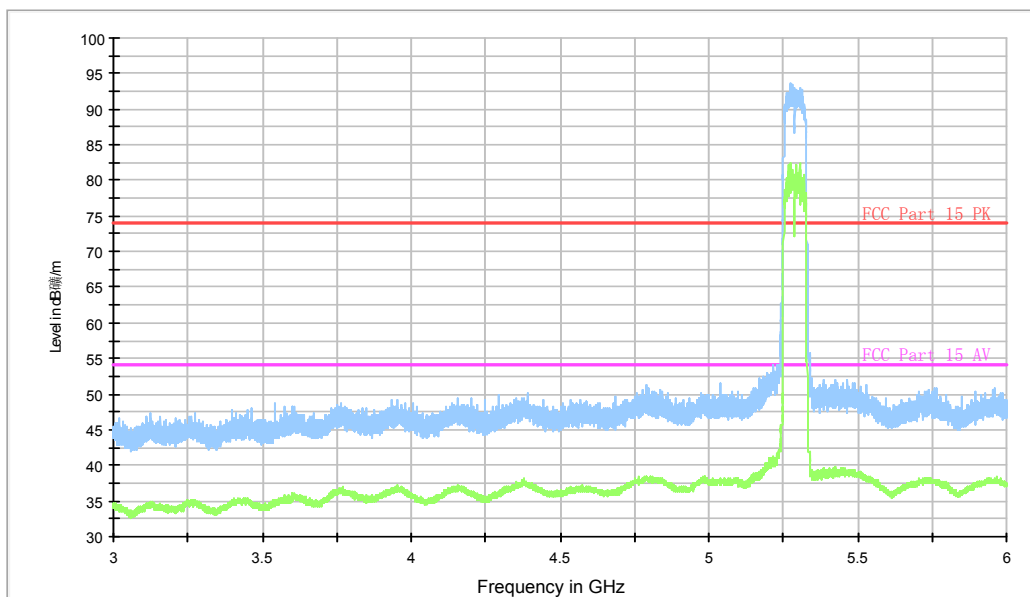


Fig. 197 Radiated Spurious Emission (802.11ac-HT80, ch58, 3 GHz-6 GHz)

RE - 6GHz-18GHz

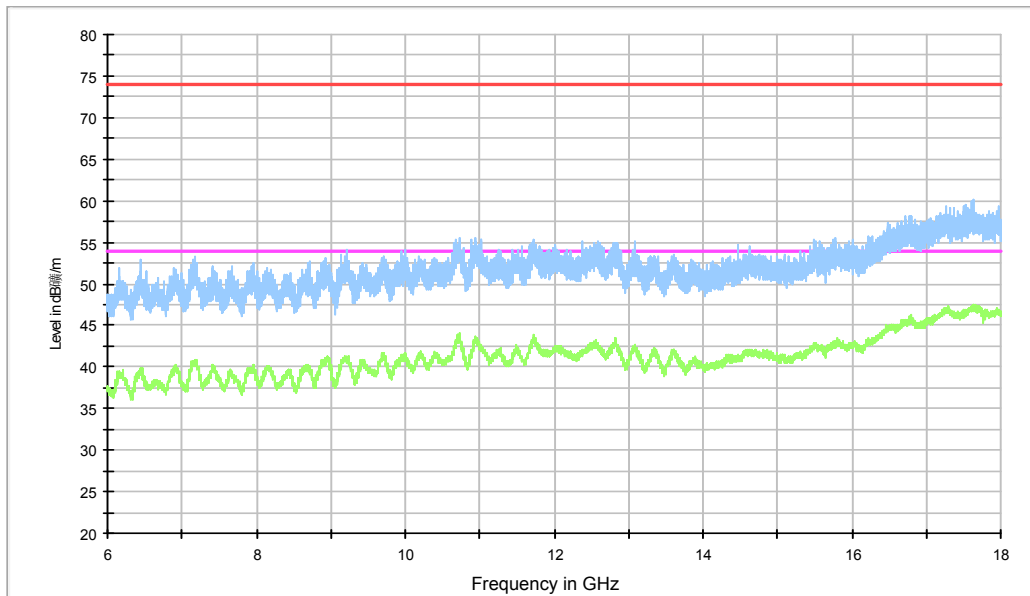


Fig. 198 Radiated Spurious Emission (802.11ac-HT80, ch58, 6 GHz-18 GHz)

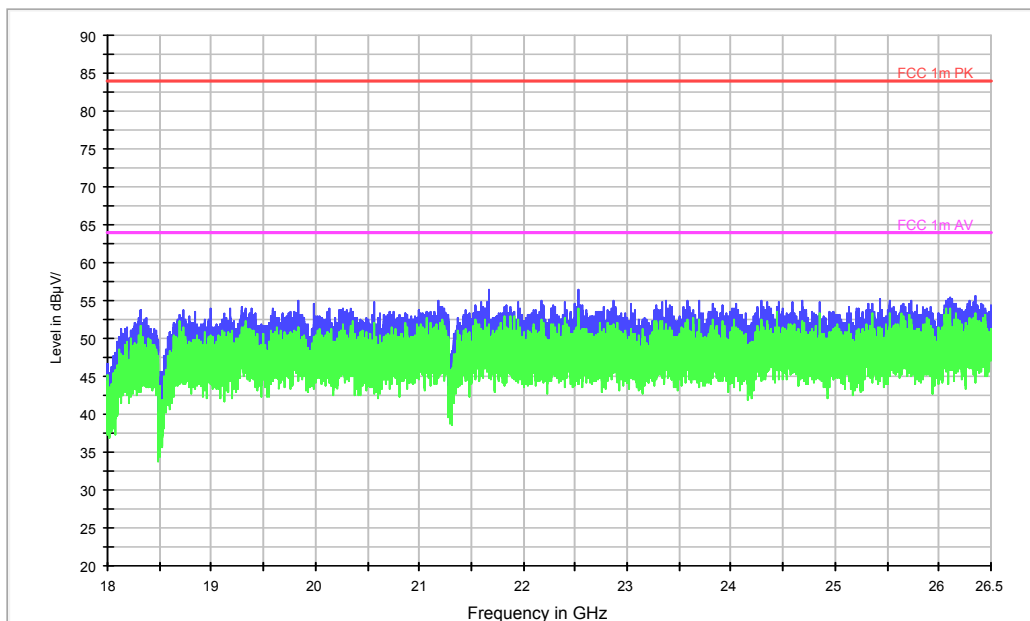


Fig. 199 Radiated Spurious Emission (802.11ac-HT80, ch58, 18 GHz-26.5 GHz)

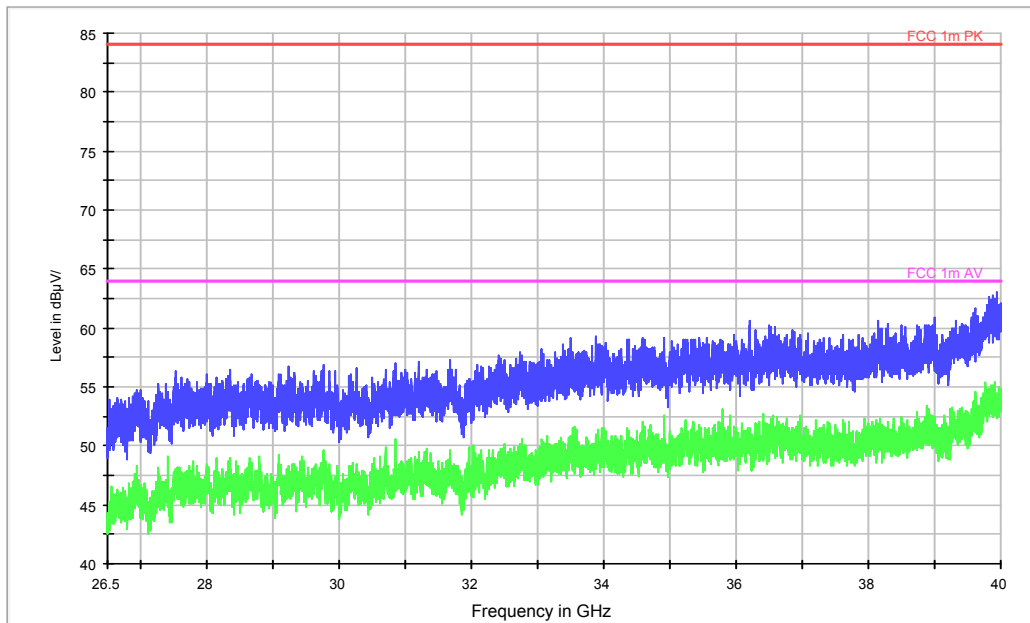


Fig. 200 Radiated Spurious Emission (802.11ac-HT80, ch58, 26.5 GHz-40 GHz)

RE - 1GHz-3GHz

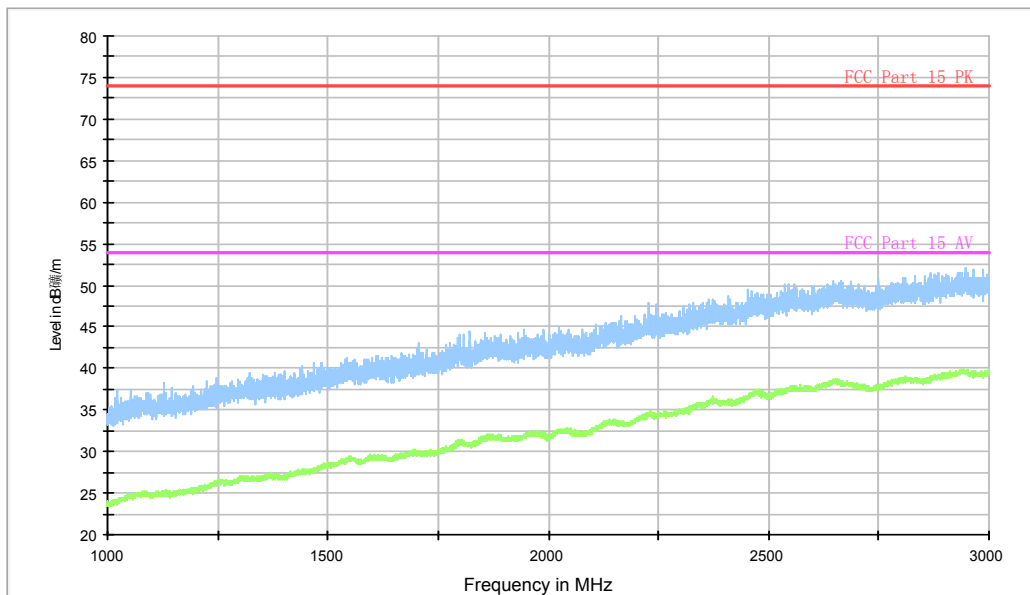


Fig. 201 Radiated Spurious Emission (802.11ac-HT80, ch106, 1 GHz-3 GHz)

RE - 3GHz-6GHz

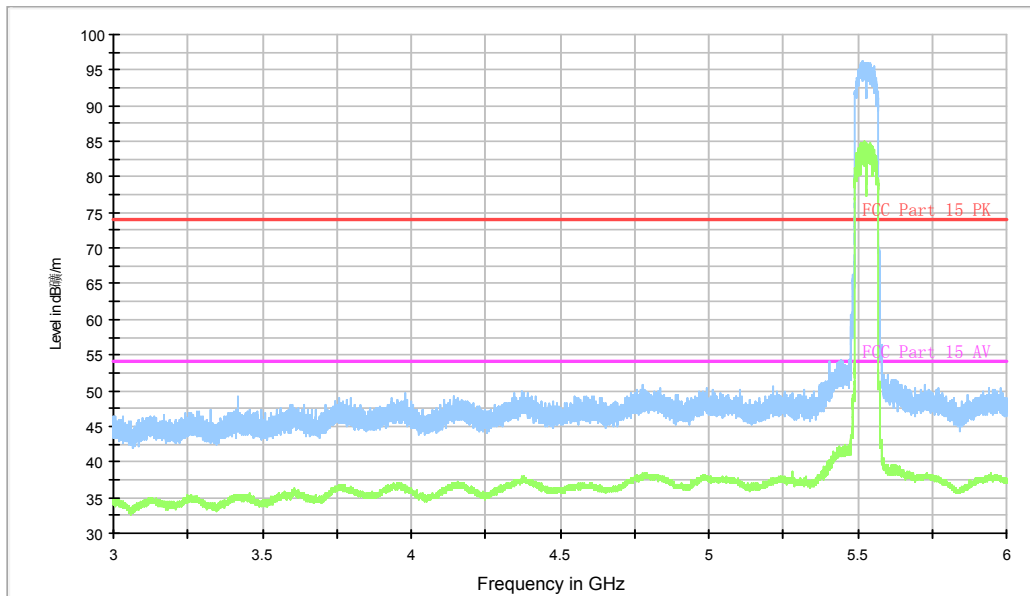


Fig. 202 Radiated Spurious Emission (802.11ac-HT80, ch106, 3 GHz-6 GHz)

RE - 6GHz-18GHz

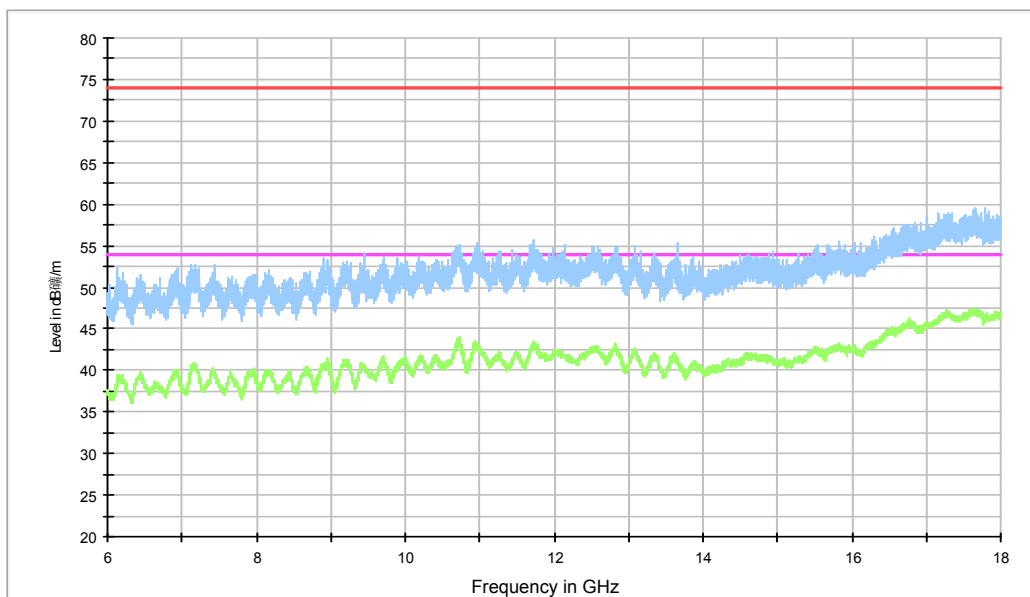


Fig. 203 Radiated Spurious Emission (802.11ac-HT80, ch106, 6 GHz-18 GHz)