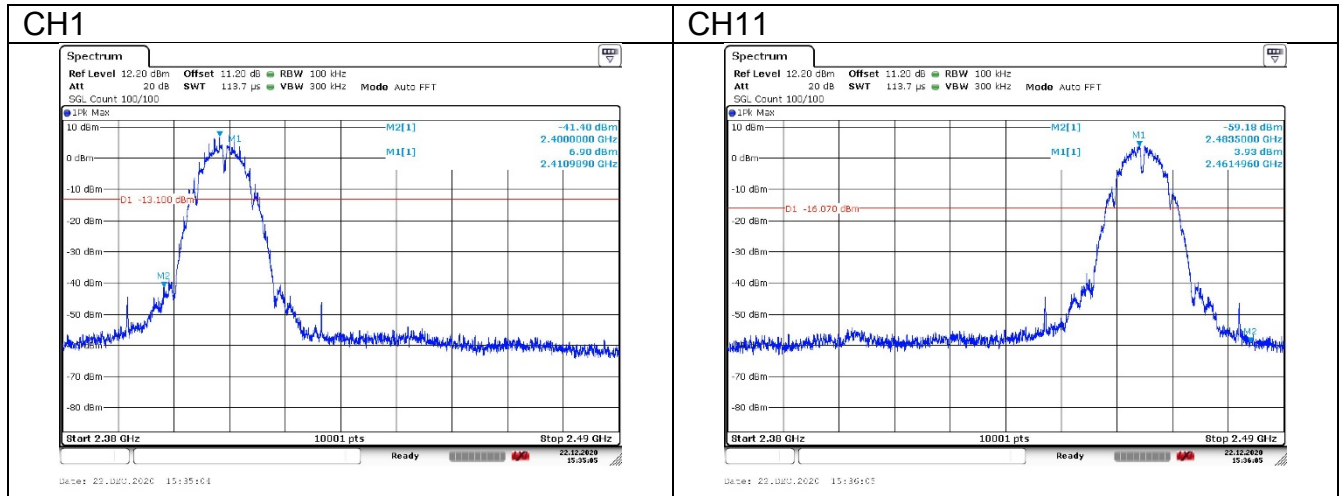


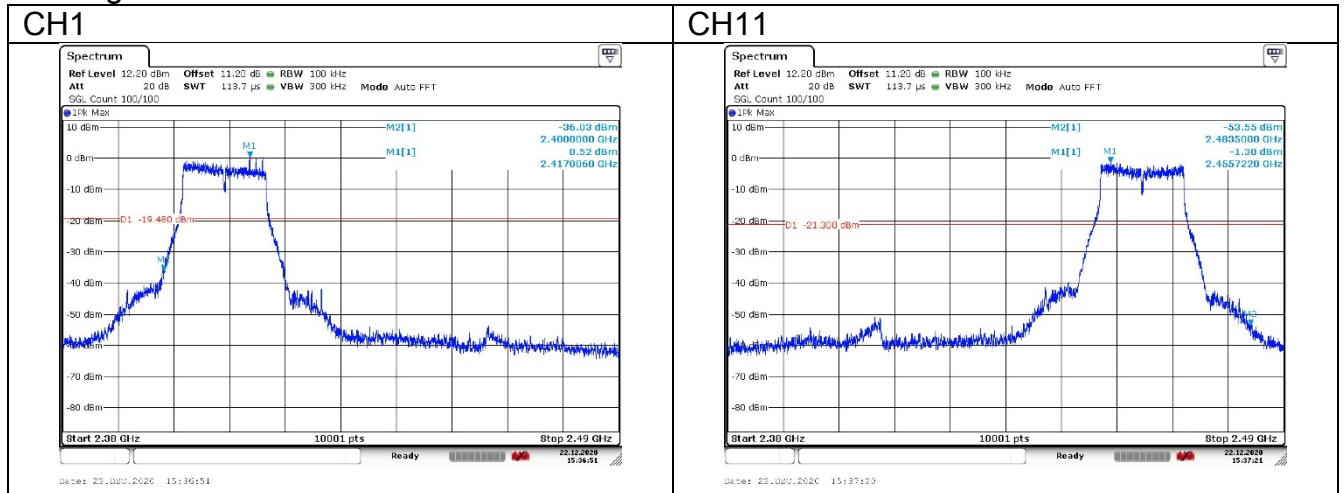
**Band edge measurement (RF Conducted measurement)**

Offset 11.2dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

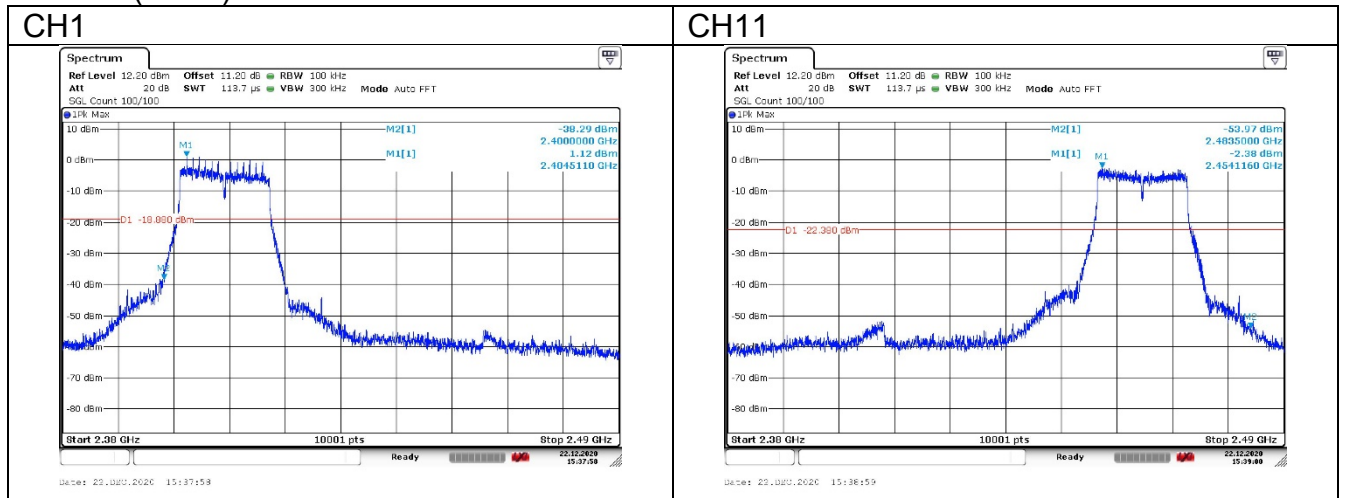
802.11b



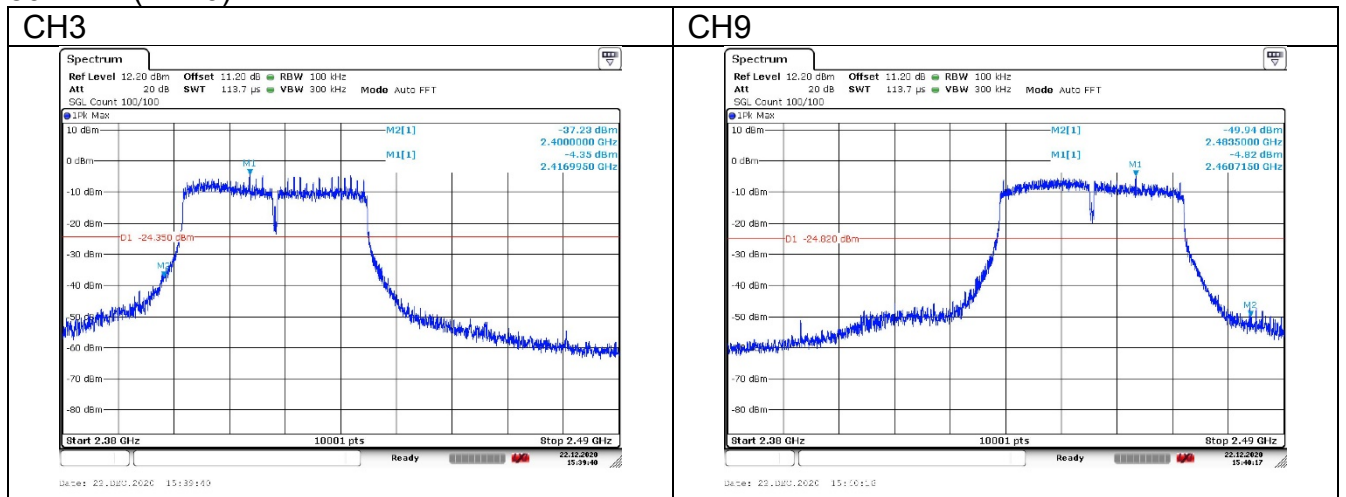
802.11g



802.11n (HT20)



802.11n (HT40)



## APPENDIX B – TEST DATA OF RADIATED EMISSION

### Radiated Emission Band Edge

The measurement results are obtained as described below:

Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (100.17 dBuV/m) = (66.17 dBμV) + (8.90 dB) + (25.10 dB/m), the corresponding frequency is 2412MHz.

The measurement results contain the correction factor of the duty cycle.

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	100.17	66.17	N/A	N/A	8.90	25.10
2	2390	46.03	12.03	-27.97	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	97.58	63.58	N/A	N/A	8.90	25.10
2	2390	44.19	10.19	-29.81	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	96.23	62.23	N/A	N/A	8.90	25.10
2	2390	35.34	1.34	-18.66	54.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	94.07	60.07	N/A	N/A	8.90	25.10
2	2390	33.87	-0.13	-20.13	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity:Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	99.29	65.29	N/A	N/A	8.90	25.10
2	2483.5	46.59	12.59	-27.41	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity:Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	96.72	62.72	N/A	N/A	8.90	25.10
2	2483.5	45.36	11.36	-28.64	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity:Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	95.88	61.88	N/A	N/A	8.90	25.10
2	2483.5	36.51	2.51	-17.49	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity:Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	93.18	59.18	N/A	N/A	8.90	25.10
2	2483.5	34.12	0.12	-19.88	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	101.71	67.71	N/A	N/A	8.90	25.10
2	2390	46.22	12.22	-27.78	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity:Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	99.27	65.27	N/A	N/A	8.90	25.10
2	2390	43.54	9.54	-30.46	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	95.30	61.30	N/A	N/A	8.90	25.10
2	2390	35.35	1.35	-18.65	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity:Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	92.58	58.58	N/A	N/A	8.90	25.10
2	2390	33.59	-0.41	-20.41	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	101.64	67.64	N/A	N/A	8.90	25.10
2	2483.5	45.89	11.89	-28.11	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity:Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	99.25	65.25	N/A	N/A	8.90	25.10
2	2483.5	44.39	10.39	-29.61	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	95.22	61.22	N/A	N/A	8.90	25.10
2	2483.5	35.37	1.37	-18.63	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity:Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	92.85	58.85	N/A	N/A	8.90	25.10
2	2483.5	35.44	1.44	-18.56	54.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11n(HT20)

Polarity: Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	101.58	67.58	N/A	N/A	8.90	25.10
2	2390	46.46	12.46	-27.54	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11n(HT20)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	98.67	64.67	N/A	N/A	8.90	25.10
2	2390	43.53	9.53	-30.47	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11n(HT20)

Polarity: Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	96.91	62.91	N/A	N/A	8.90	25.10
2	2390	36.04	2.04	-17.96	54.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11n(HT20)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	94.89	60.89	N/A	N/A	8.90	25.10
2	2390	35.31	1.31	-18.69	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	101.23	67.23	N/A	N/A	8.90	25.10
2	2483.5	46.01	12.01	-27.99	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20)  
Polarity:Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	98.64	64.64	N/A	N/A	8.90	25.10
2	2483.5	44.89	10.89	-29.11	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	94.40	60.40	N/A	N/A	8.90	25.10
2	2483.5	35.87	1.87	-18.13	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20)  
Polarity:Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	92.22	58.22	N/A	N/A	8.90	25.10
2	2483.5	34.61	0.61	-19.39	54.00	8.90	25.10



Carrier frequency (MHz): 2422

Channel No.:3

Test Mode: 802.11n(HT40)

Polarity: Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	100.40	66.40	N/A	N/A	8.90	25.10
2	2390	46.70	12.70	-27.30	74.00	8.90	25.10

Carrier frequency (MHz): 2422

Channel No.:3

Test Mode: 802.11n(HT40)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	98.32	64.32	N/A	N/A	8.90	25.10
2	2390	44.58	10.58	-29.42	74.00	8.90	25.10

Carrier frequency (MHz): 2422

Channel No.:3

Test Mode: 802.11n(HT40)

Polarity: Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	92.95	58.95	N/A	N/A	8.90	25.10
2	2390	35.74	1.74	-18.26	54.00	8.90	25.10

Carrier frequency (MHz): 2422

Channel No.:3

Test Mode: 802.11n(HT40)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	90.78	56.78	N/A	N/A	8.90	25.10
2	2390	33.72	-0.28	-20.28	54.00	8.90	25.10

Carrier frequency (MHz): 2452

Channel No.:9

Test Mode: 802.11n(HT40)

Polarity: Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	100.38	66.38	N/A	N/A	8.90	25.10
2	2483.5	46.79	12.79	-27.21	74.00	8.90	25.10

Carrier frequency (MHz): 2452

Channel No.:9

Test Mode: 802.11n(HT40)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	97.88	63.88	N/A	N/A	8.90	25.10
2	2483.5	45.22	11.22	-28.78	74.00	8.90	25.10

Carrier frequency (MHz): 2452

Channel No.:9

Test Mode: 802.11n(HT40)

Polarity: Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	93.02	59.02	N/A	N/A	8.90	25.10
2	2483.5	35.96	1.96	-18.04	54.00	8.90	25.10

Carrier frequency (MHz): 2452

Channel No.:9

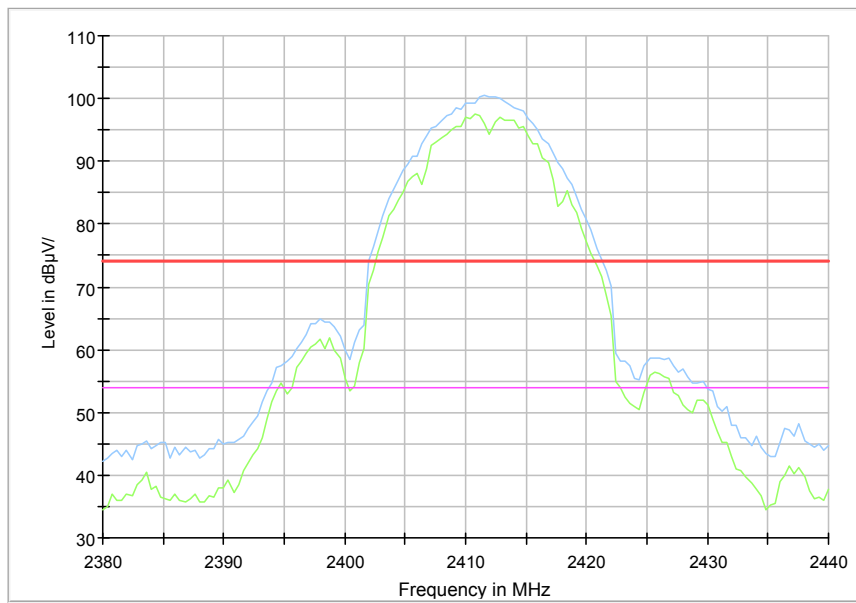
Test Mode: 802.11n(HT40)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	90.03	56.03	N/A	N/A	8.90	25.10
2	2483.5	34.24	0.24	-19.76	54.00	8.90	25.10

Full Spectrum



Radiated Emission Band Edge for 2412MHz

## Sample Calculations

### Determining Spurious Emissions Levels

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.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Sample calculation: (24.60 dB $\mu$ V/m) = (42.10 dB $\mu$ V) + (-17.5 dB/m), the corresponding frequency is 45.970500MHz.

The worst case attitude: The mobile lay down.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.876000	22.63	-20.9	43.53	Vertical	40.00
88.209000	27.41	-21.2	48.61	Vertical	43.50
130.044000	31.69	-21.3	52.99	Vertical	43.50
173.648000	29.38	-20.4	49.78	Vertical	43.50
310.709000	15.92	-14.8	30.72	Vertical	46.00
905.091000	17.36	-1.4	18.76	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.870000	22.71	-20.9	43.61	Vertical	40.00
87.869500	27.11	-21.3	48.41	Vertical	40.00
128.909000	32.07	-21.2	53.27	Vertical	43.50
175.491000	29.11	-20.4	49.51	Vertical	43.50
554.929500	12.30	-7.8	20.10	Vertical	46.00
947.602500	17.33	-0.9	18.23	Vertical	46.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.000000	22.67	-21.2	43.87	Vertical	40.00
88.023500	27.19	-21.2	48.39	Vertical	43.50
128.472500	32.06	-21.2	53.26	Vertical	43.50
174.909000	29.44	-20.4	49.84	Vertical	43.50
311.485000	15.86	-14.7	30.56	Vertical	46.00
950.396000	17.45	-0.9	18.35	Vertical	46.00

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.000000	22.62	-21.2	43.82	Vertical	40.00
86.754000	26.88	-21.7	48.58	Vertical	40.00
129.285000	32.17	-21.2	53.37	Vertical	43.50
174.957500	29.31	-20.4	49.71	Vertical	43.50
312.689000	15.50	-14.7	30.20	Vertical	46.00
893.006000	17.19	-1.7	18.89	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.000000	22.63	-21.2	43.83	Vertical	40.00
87.869500	27.18	-21.3	48.48	Vertical	40.00
128.914000	32.19	-21.2	53.39	Vertical	43.50
172.920500	30.34	-20.5	50.84	Vertical	43.50
548.536000	12.54	-8.0	20.54	Vertical	46.00
905.835500	17.36	-1.4	18.76	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.039500	22.54	-21.2	43.74	Vertical	40.00
87.121500	27.05	-21.5	48.55	Vertical	40.00
169.697500	30.56	-20.7	51.26	Vertical	43.50
173.939000	29.96	-20.4	50.36	Vertical	43.50
484.710000	12.71	-9.7	22.41	Vertical	46.00
943.486000	17.34	-0.9	18.24	Vertical	46.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.847000	22.70	-20.9	43.60	Vertical	40.00
86.851000	26.96	-21.6	48.56	Vertical	40.00
130.822500	31.84	-21.3	53.14	Vertical	43.50
177.043000	28.09	-20.3	48.39	Vertical	43.50
310.934500	15.90	-14.8	30.70	Vertical	46.00
910.683000	17.30	-1.3	18.60	Vertical	46.00

For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.000000	22.61	-21.2	43.81	Vertical	40.00
87.224500	27.06	-21.5	48.56	Vertical	40.00
128.512500	32.18	-21.2	53.38	Vertical	43.50
173.454000	30.20	-20.5	50.70	Vertical	43.50
310.555000	16.02	-14.8	30.82	Vertical	46.00
950.090500	17.43	-0.9	18.33	Vertical	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.000000	22.61	-21.2	43.81	Vertical	40.00
87.772500	27.11	-21.3	48.41	Vertical	40.00
128.715000	32.23	-21.2	53.43	Vertical	43.50
174.230000	29.73	-20.4	50.13	Vertical	43.50
509.052000	12.46	-9.0	21.46	Vertical	46.00
955.605000	17.51	-0.8	18.31	Vertical	46.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.000000	22.59	-21.2	43.79	Vertical	40.00
87.821000	27.14	-21.3	48.44	Vertical	40.00
128.173000	32.10	-21.2	53.30	Vertical	43.50
174.521000	29.53	-20.4	49.93	Vertical	43.50
491.249000	12.51	-9.5	22.01	Vertical	46.00
912.395000	17.29	-1.3	18.59	Vertical	46.00

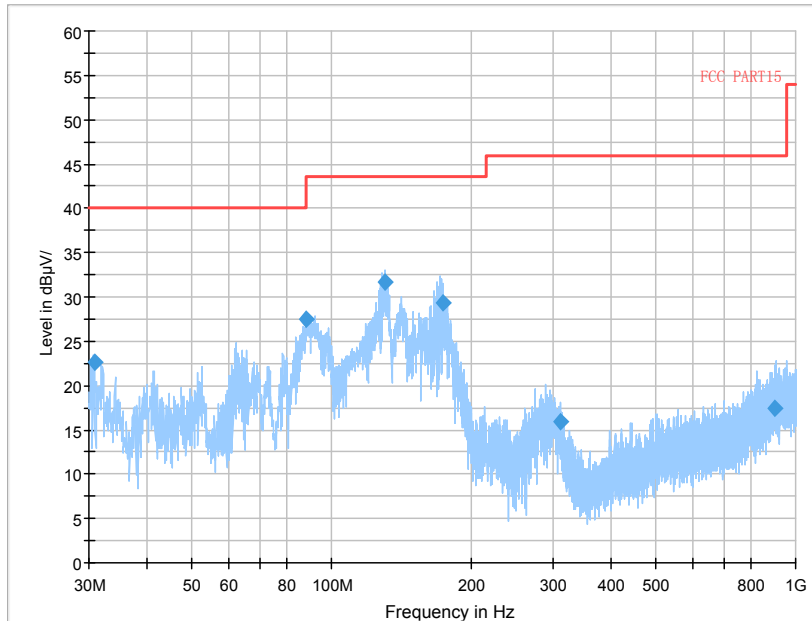
For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
50.972000	20.53	-17.2	37.73	Vertical	40.00
87.821000	27.13	-21.3	48.43	Vertical	40.00
131.404500	31.74	-21.4	53.14	Vertical	43.50
173.106000	30.34	-20.5	50.84	Vertical	43.50
313.125500	15.21	-14.7	29.91	Vertical	46.00
947.540500	17.39	-0.9	18.29	Vertical	46.00

For 802.11n(HT40) Channel No.:9

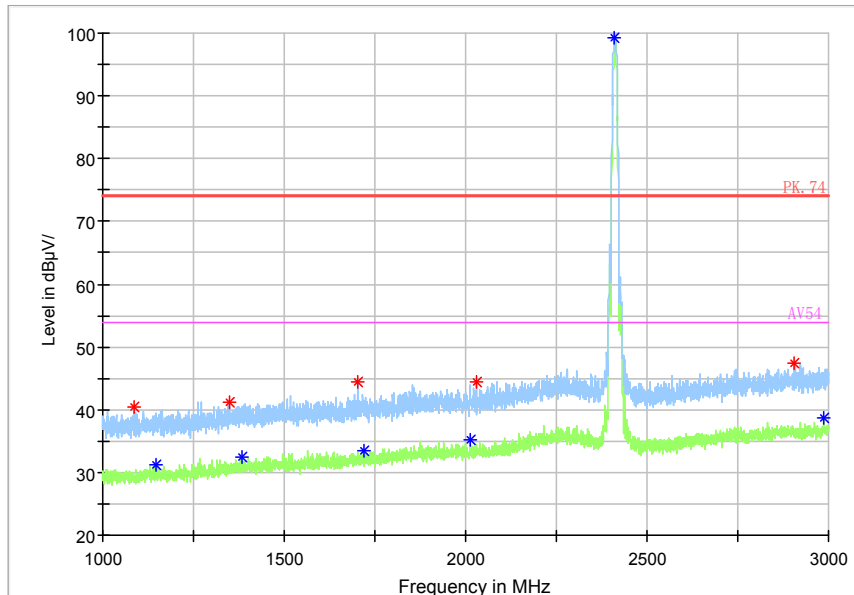
Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
30.040000	22.49	-21.2	43.69	Vertical	40.00
86.366000	26.87	-21.8	48.67	Vertical	40.00
128.318500	32.15	-21.2	53.35	Vertical	43.50
173.106000	30.36	-20.5	50.86	Vertical	43.50
310.951500	15.86	-14.8	30.66	Vertical	46.00
916.465500	17.20	-1.2	18.40	Vertical	46.00

Carrier frequency (MHz): 2412  
 Channel No.:1



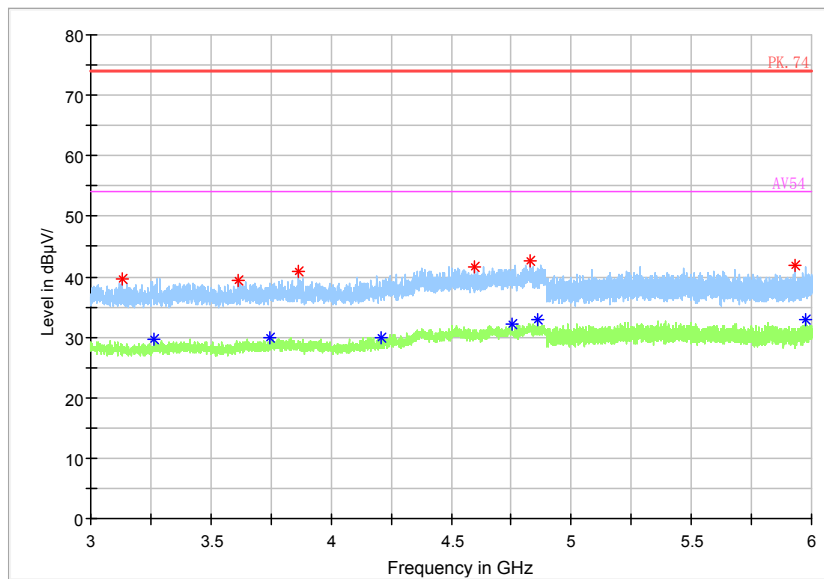
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11b

Full Spectrum



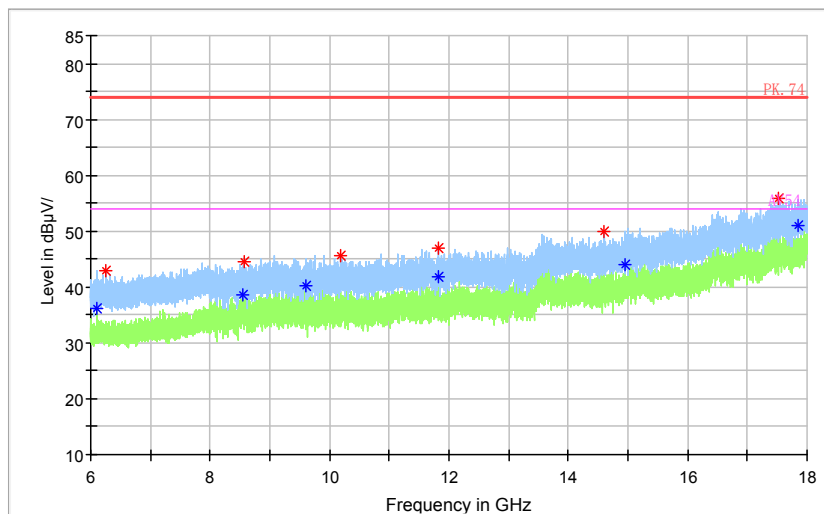
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum

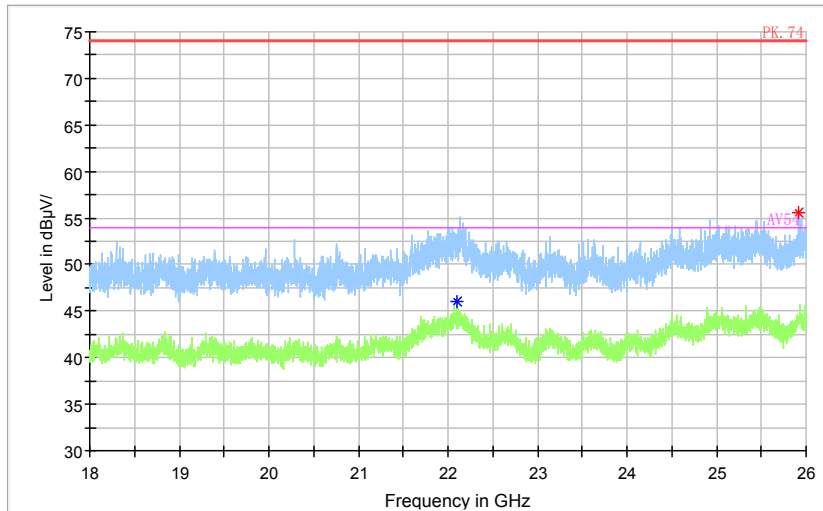


— Preview Result 2-AVG     — Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK,74     — AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

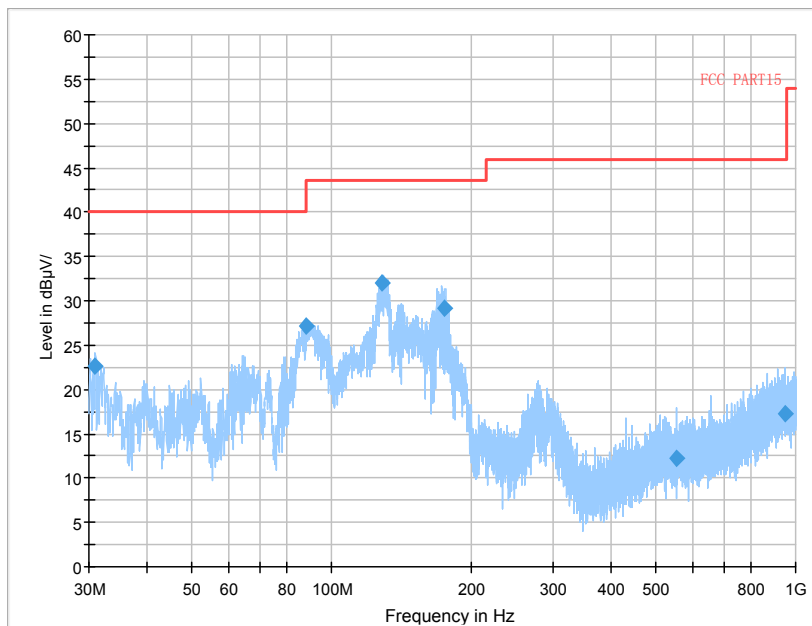


Full Spectrum



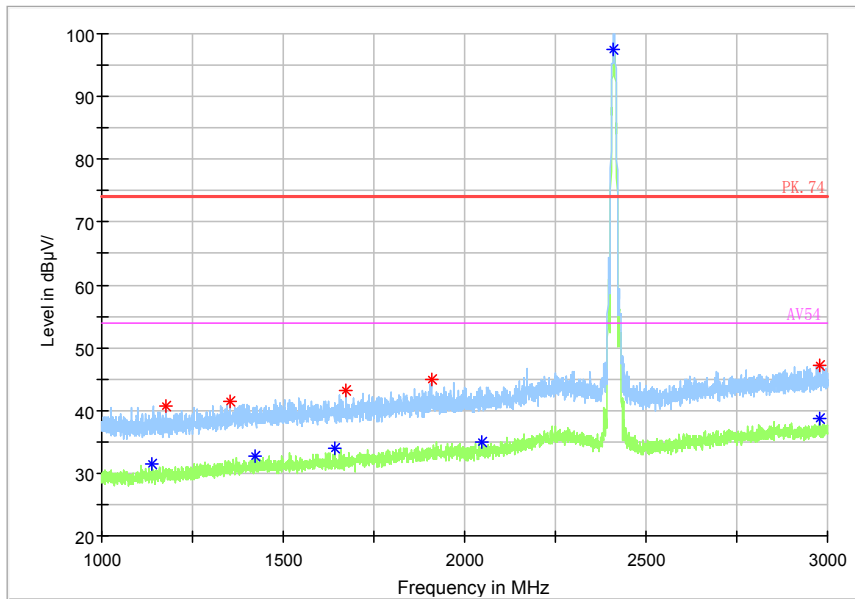
— Preview Result 2-AVG    — Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    — PK.74    — AV54  
◆ Final\_Result PK+    ◆ Final\_Result AVG

Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b



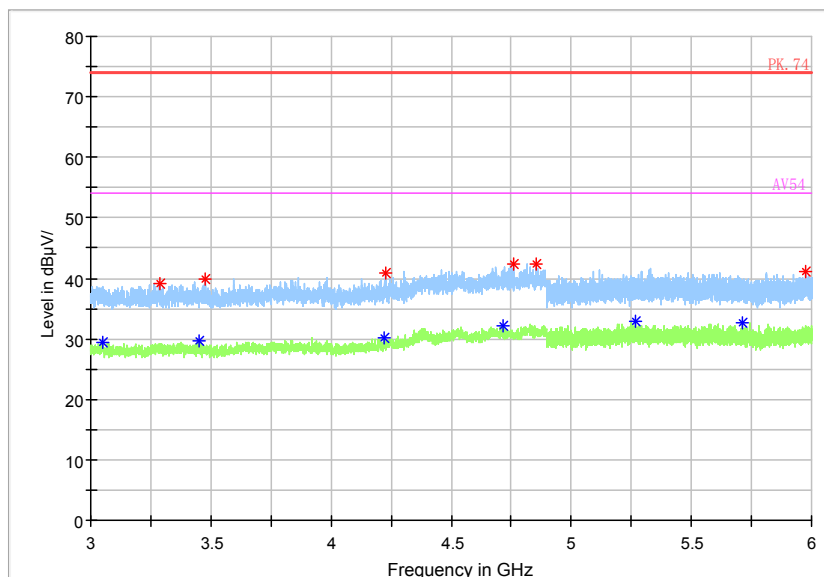
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Modulation type: 802.11g

Full Spectrum



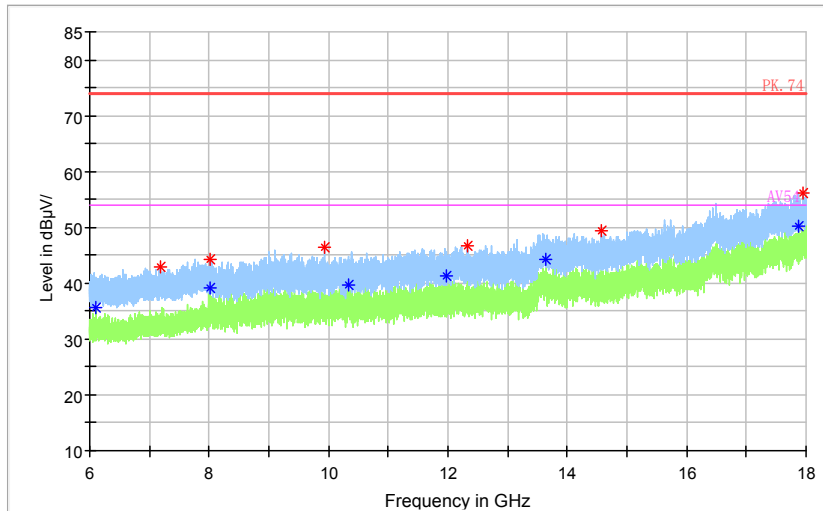
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



Frequency Range: 3GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

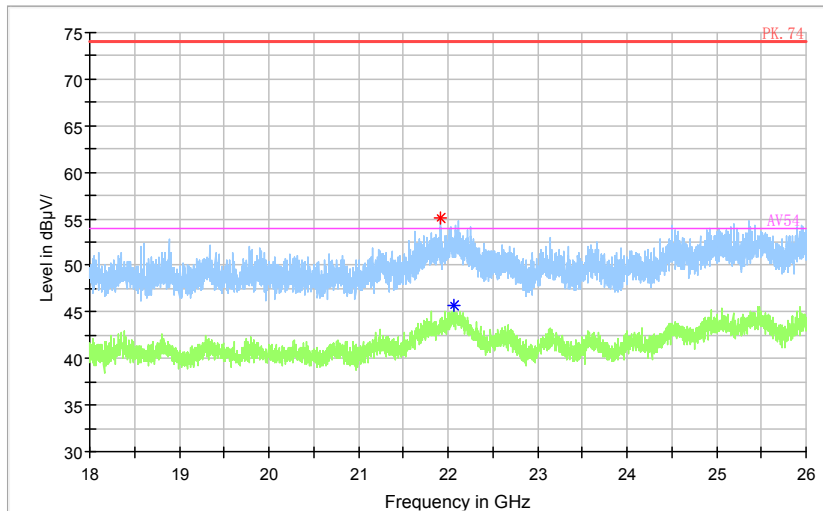
Full Spectrum



◆ Preview Result 2-AVG    ◆ Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    ◆ Final\_Result AVG    ◆ Final\_Result PK+

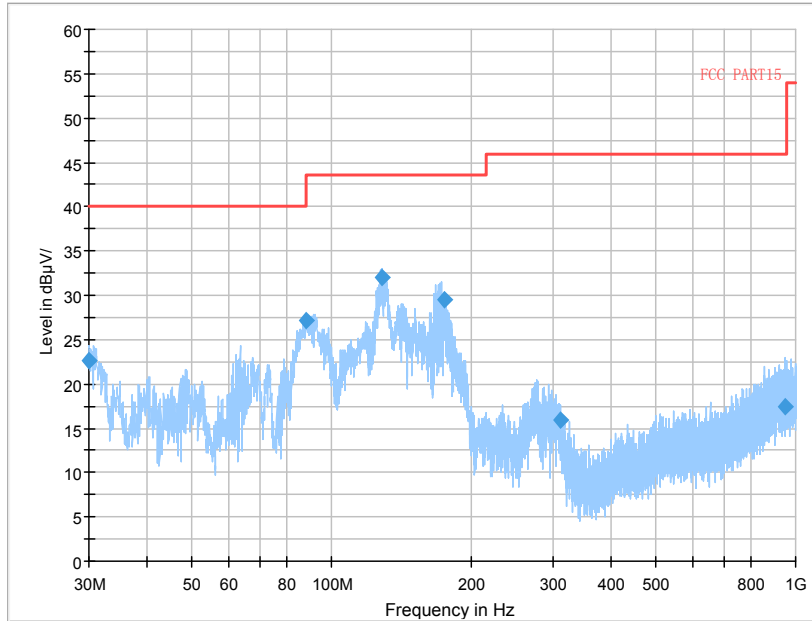
**Frequency Range: 6GHz -18GHz**  
**Detector: Av mode and PK mode**  
**Modulation type: 802.11g**

Full Spectrum



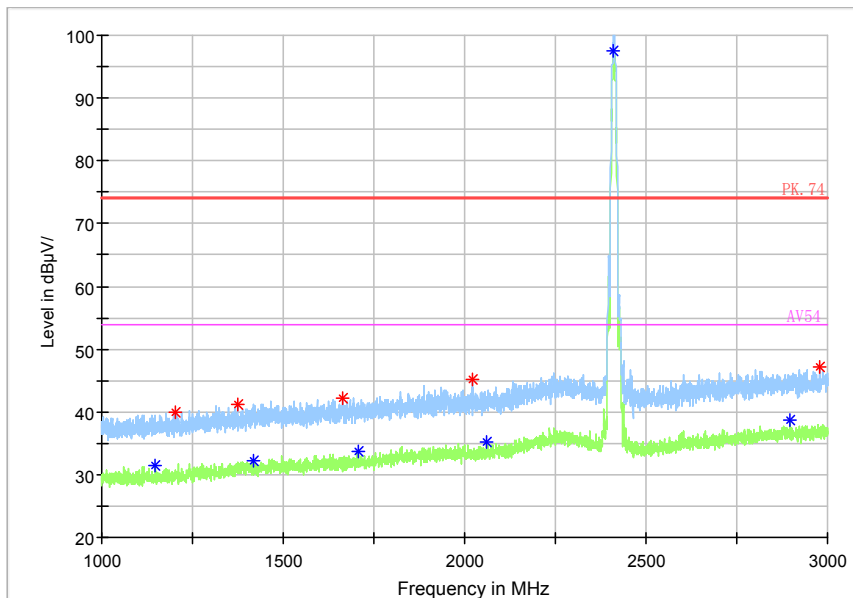
◆ Preview Result 2-AVG    ◆ Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    ◆ Final\_Result AVG    ◆ Final\_Result PK+

**Frequency Range: 18GHz-26GHz**  
**Detector: Av mode and PK mode**  
**Modulation type: 802.11g**



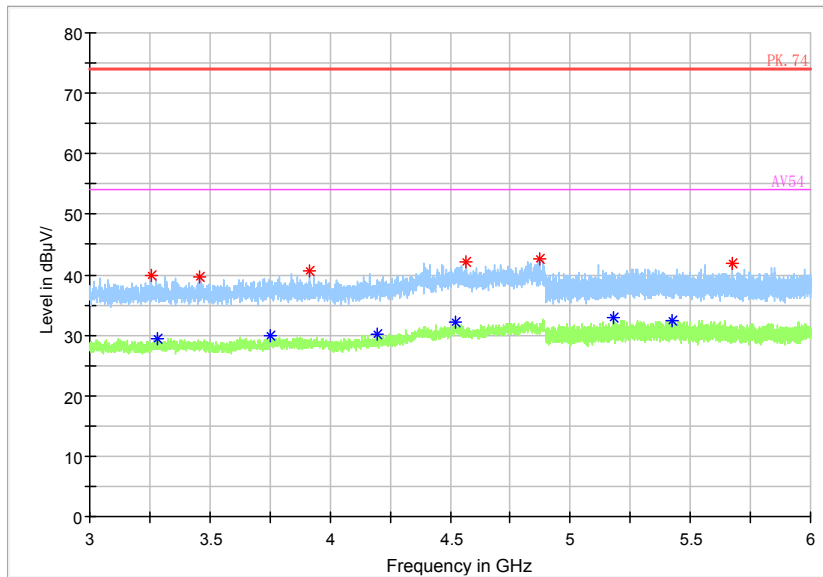
Frequency Range: 30MHz -1GHz  
Detector: QP mode  
Test Mode: 802.11n(HT20)

Full Spectrum



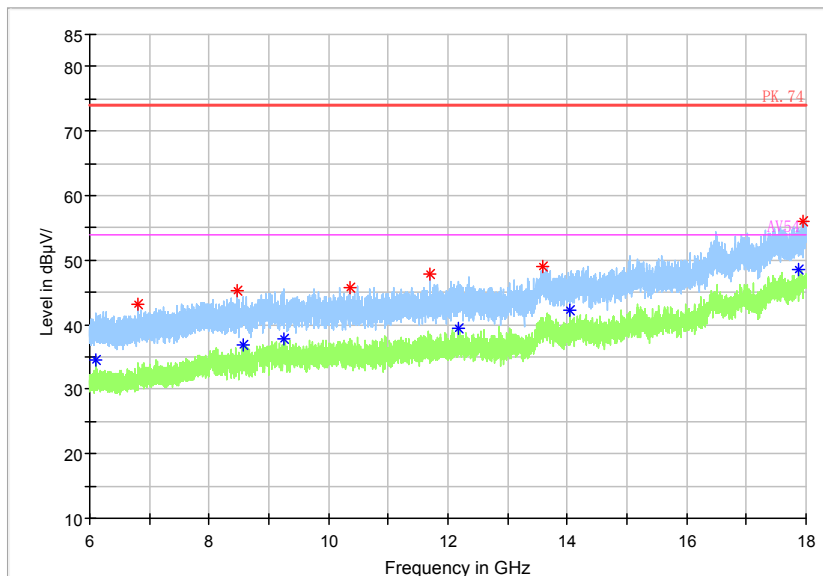
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



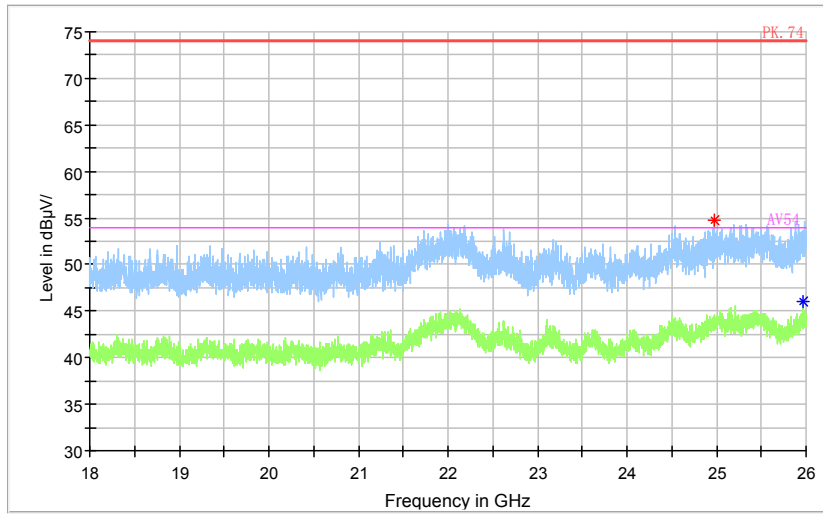
Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



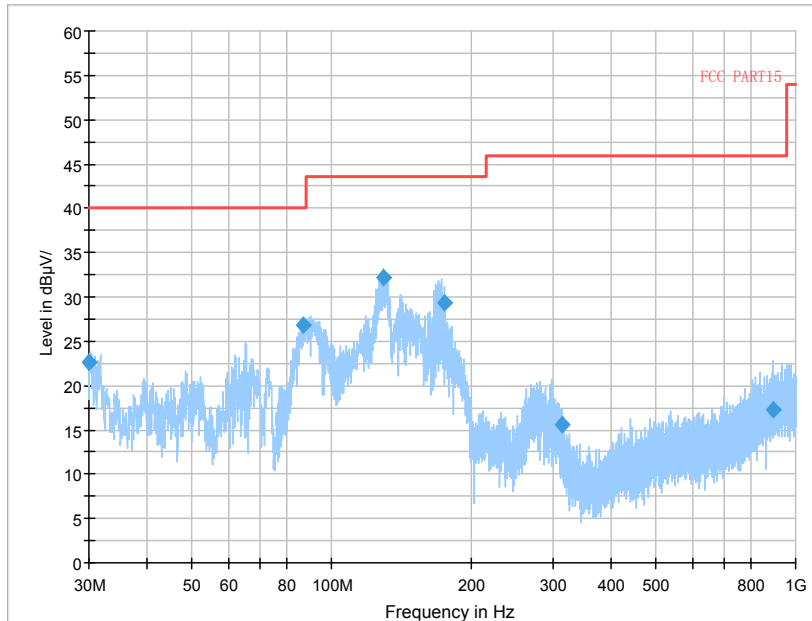
Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



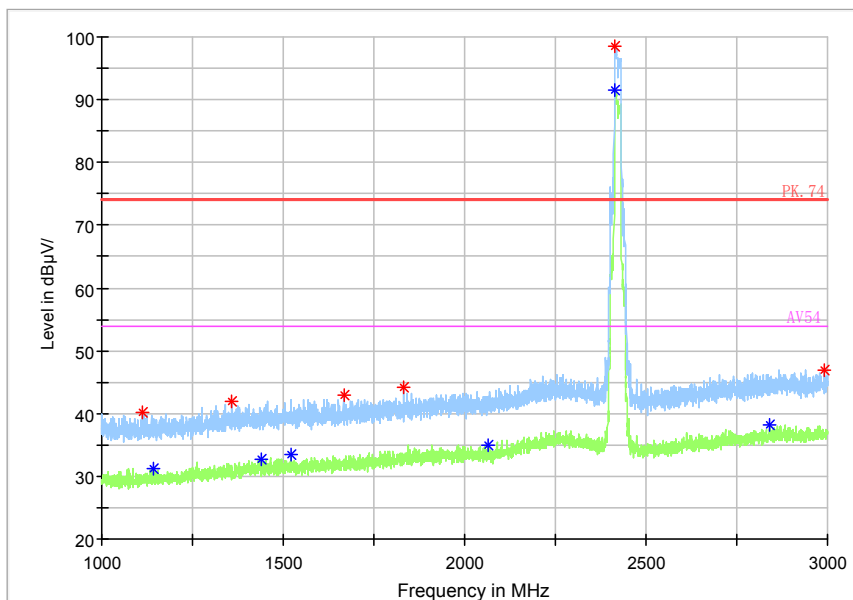
— Preview Result 2-AVG     — Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK.74     — AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

**Frequency Range: 18GHz-26GHz**  
**Detector: Av mode and PK mode**  
**Modulation type: 802.11n(HT20)**



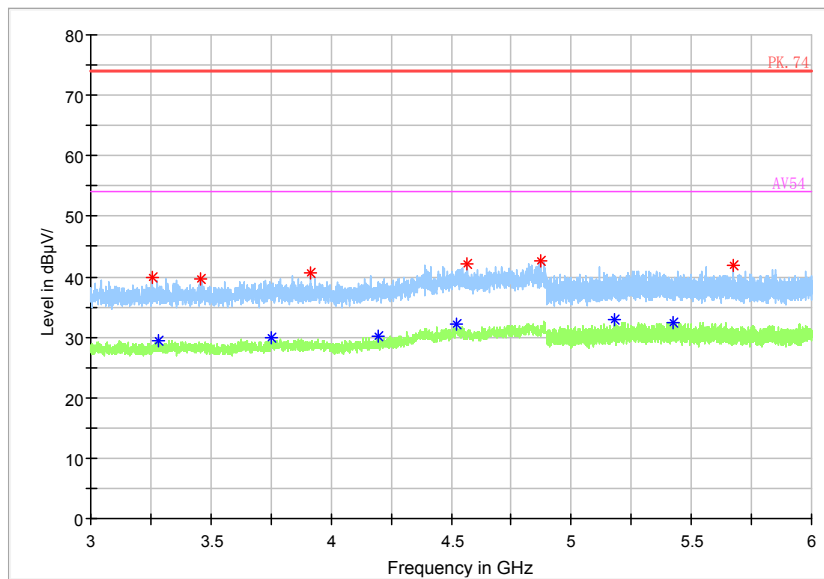
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT40)

Full Spectrum



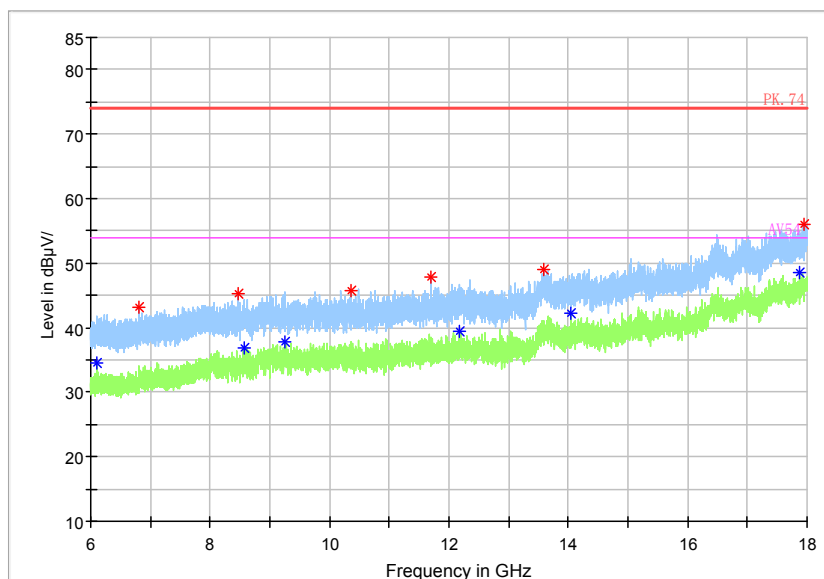
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

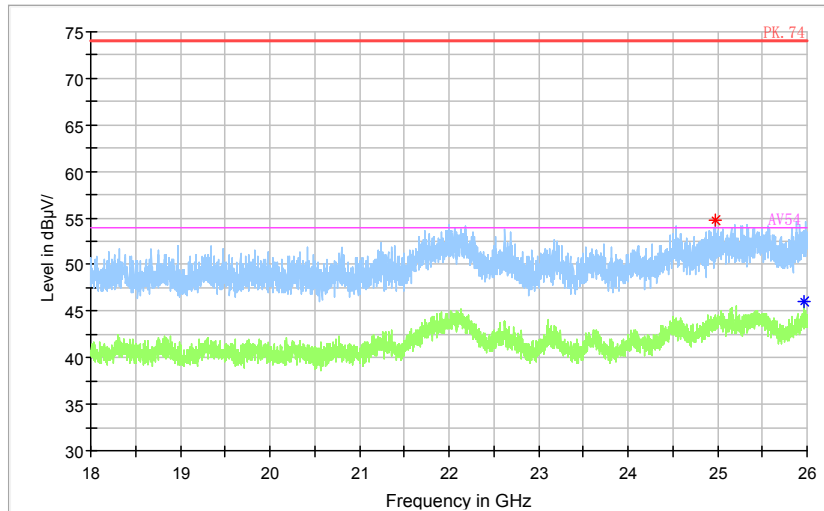
Full Spectrum



Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)



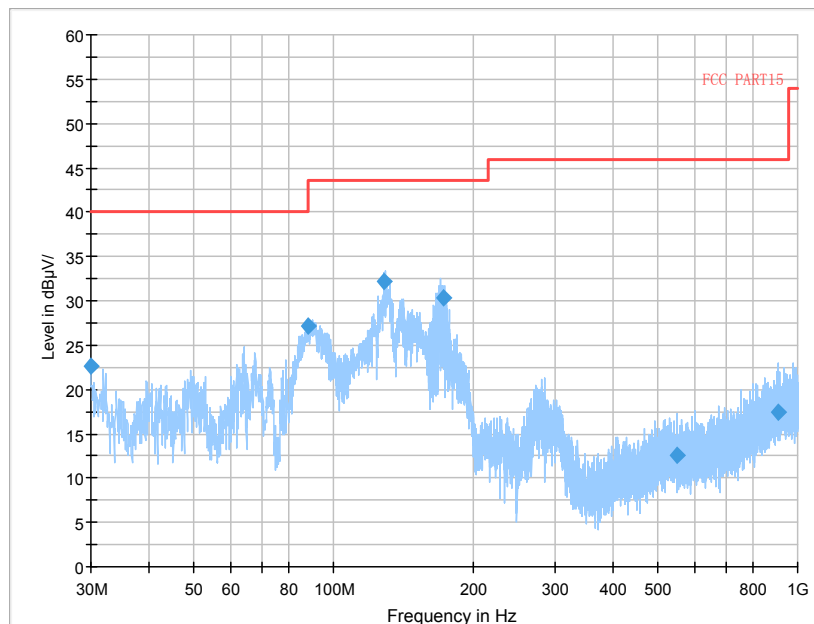
Full Spectrum



— Preview Result 2-AVG    — Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    — PK.74    — AV54  
◆ Final\_Result PK+    ◆ Final\_Result AVG

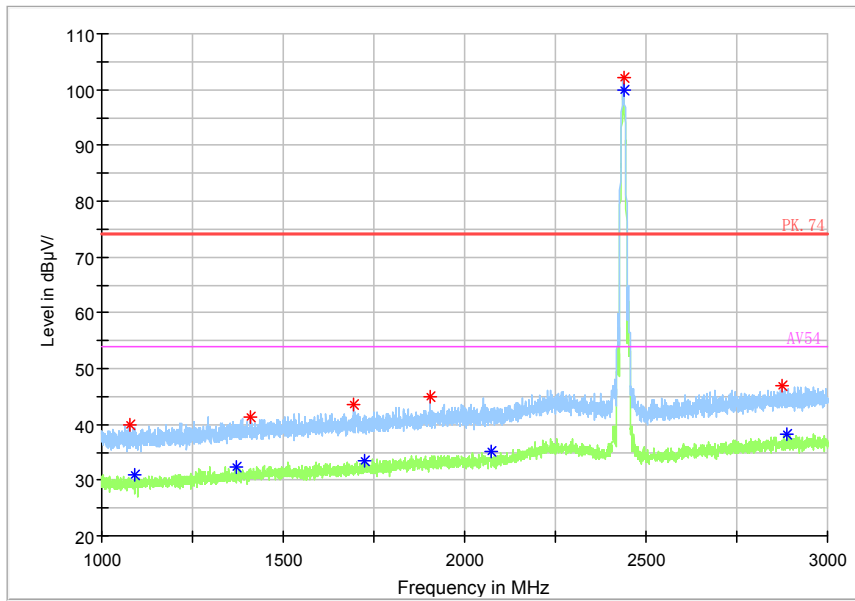
Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

Carrier frequency (MHz): 2437  
 Channel No.:6



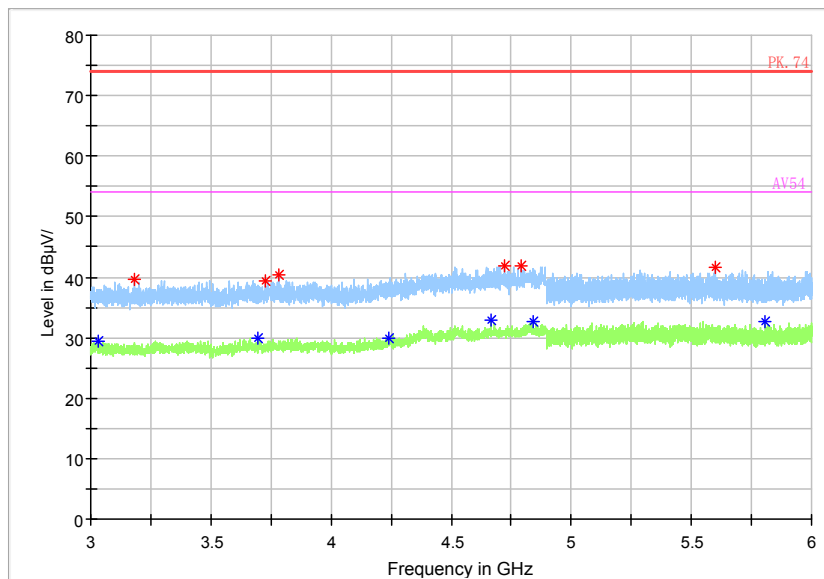
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11b

Full Spectrum



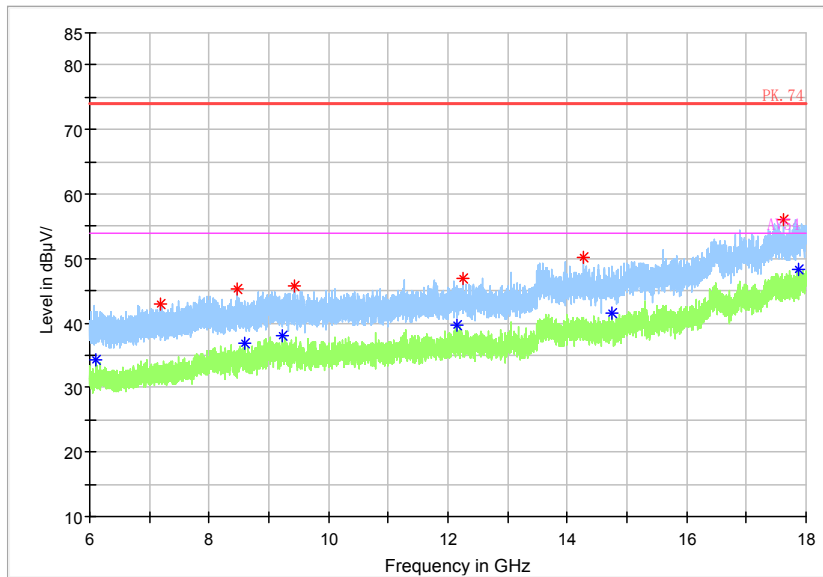
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



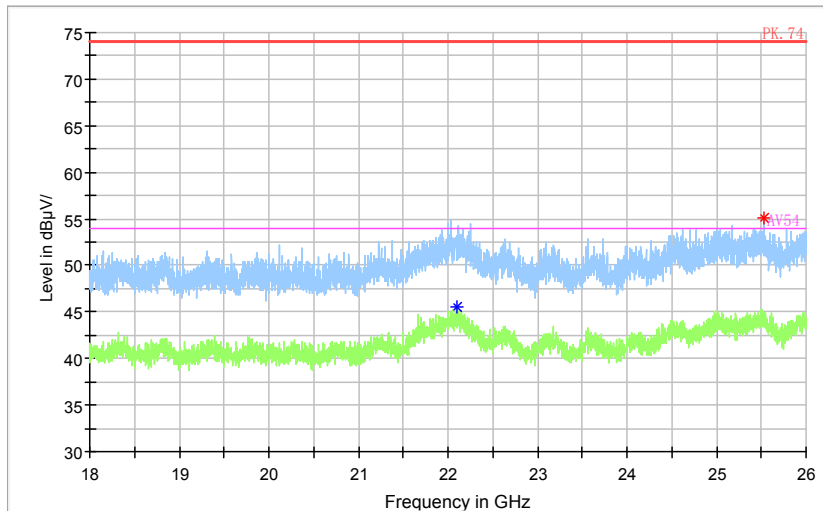
Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



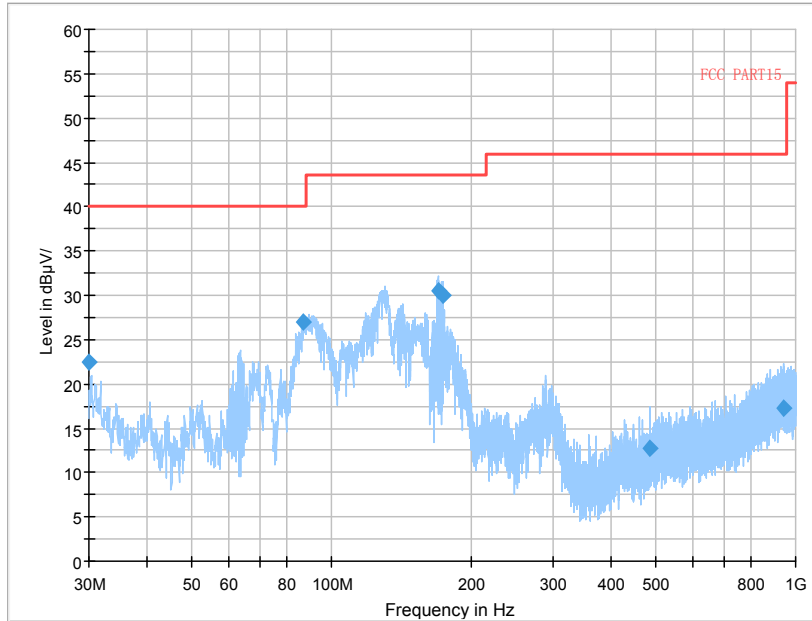
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



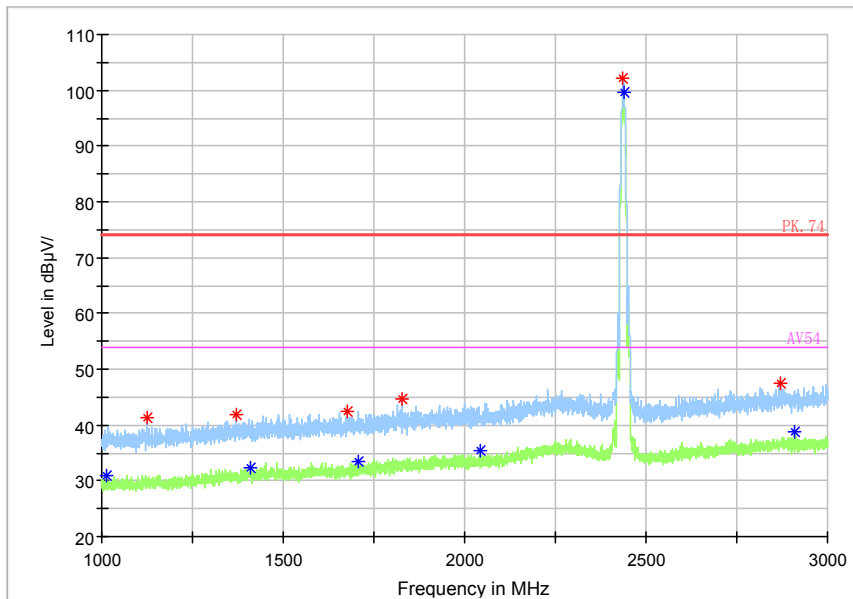
— Preview Result 2-AVG     — Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK.74     — AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b



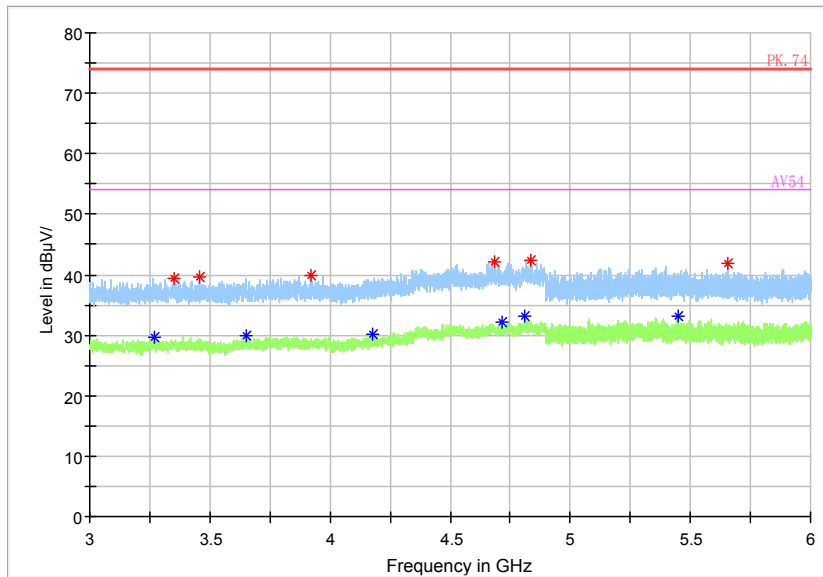
Frequency Range: 30MHz -1GHz  
Detector: QP mode  
Modulation type: 802.11g

Full Spectrum



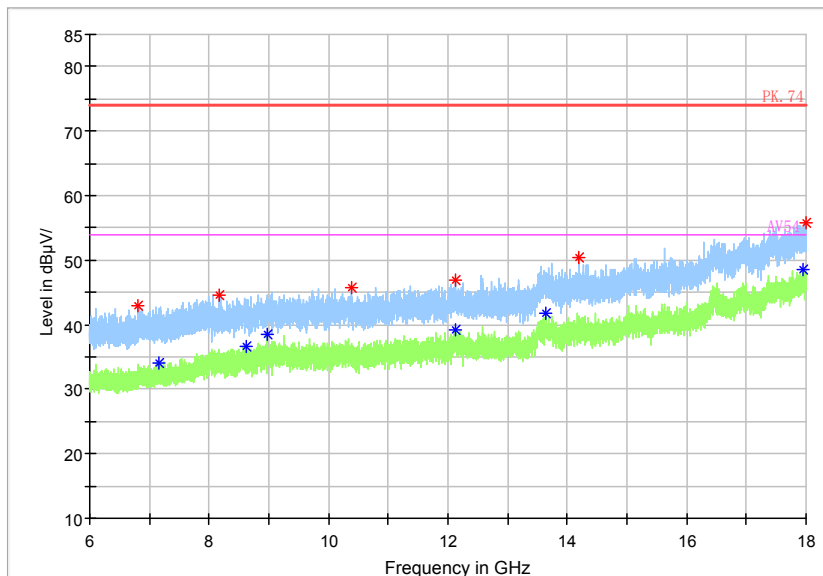
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



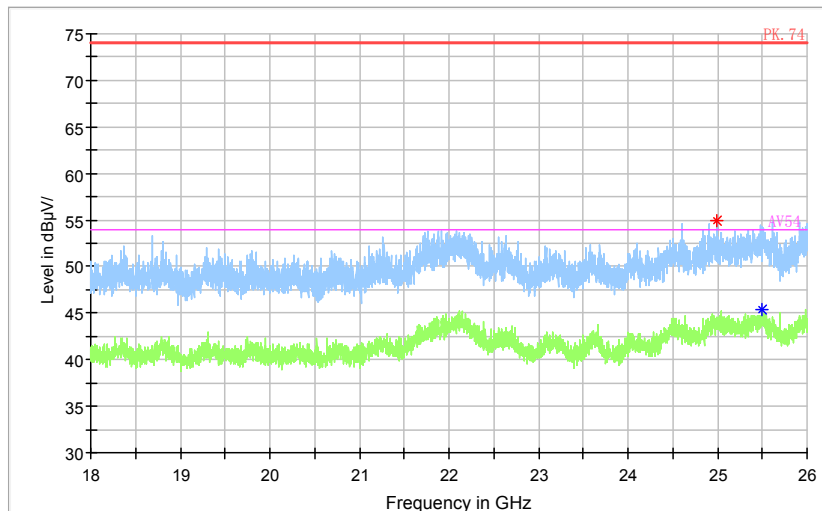
Frequency Range: 3GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



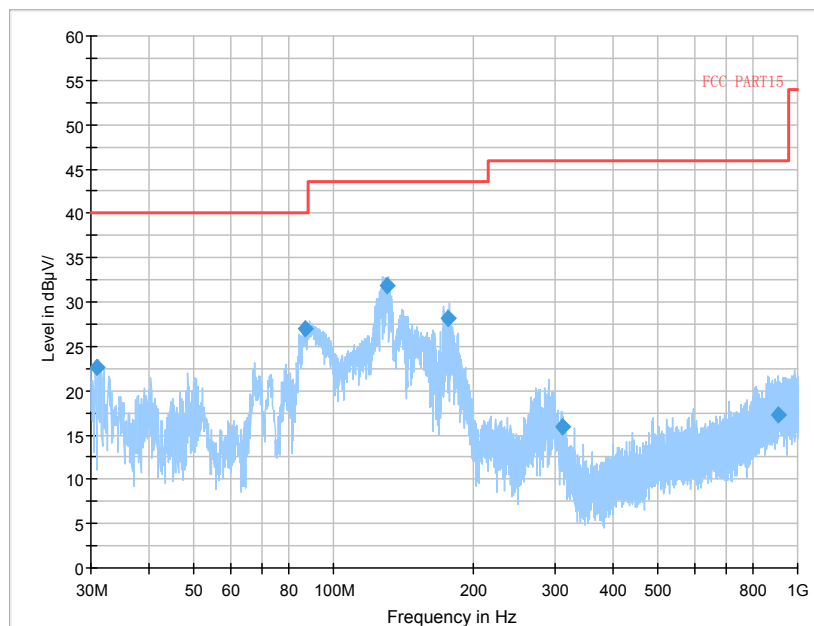
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



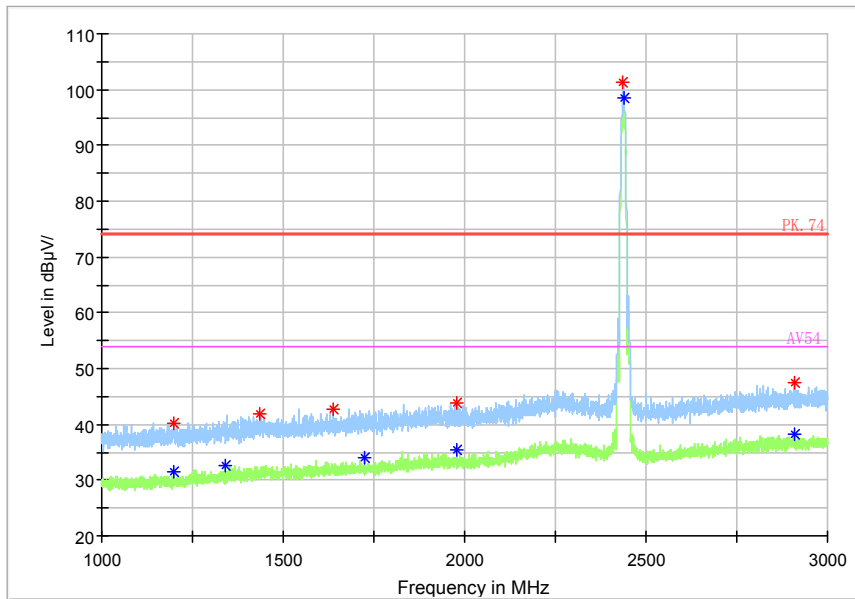
— Preview Result 2-AVG    — Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    — PK.74    — AV54  
◆ Final\_Result PK+    ◆ Final\_Result AVG

Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g



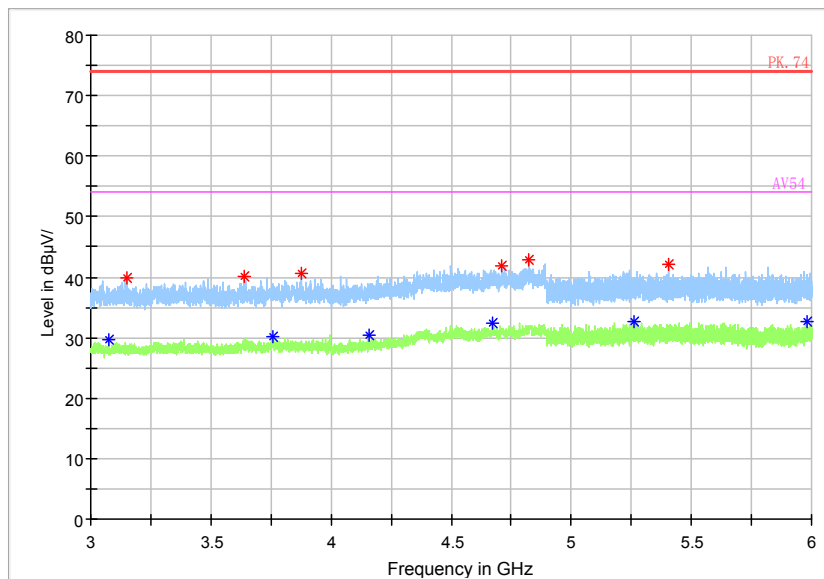
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT20)

Full Spectrum



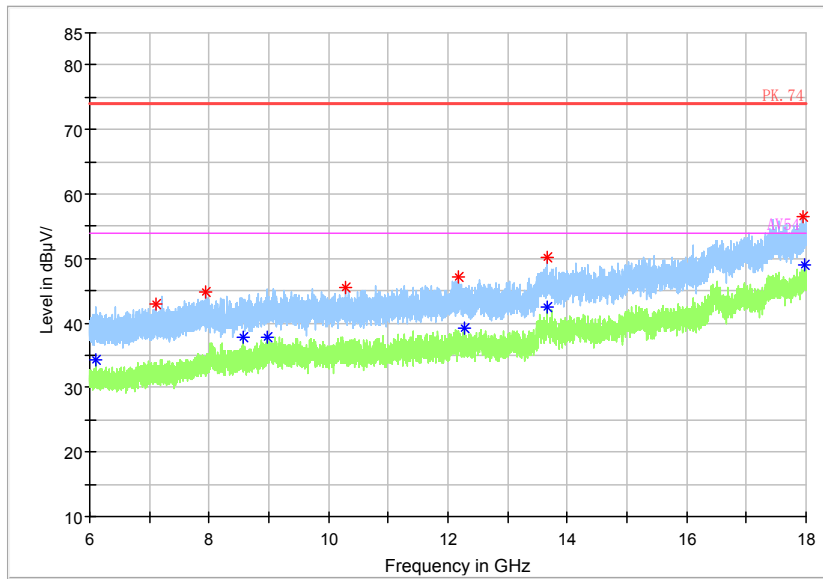
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



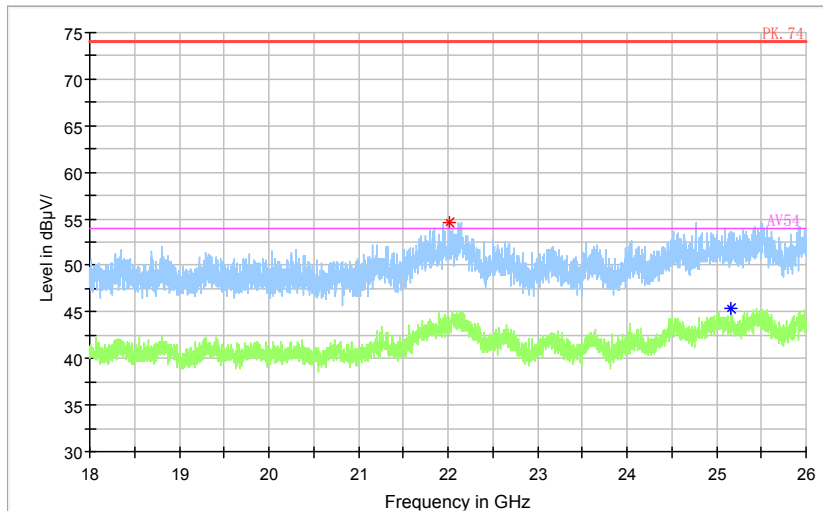
Frequency Range: 3GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

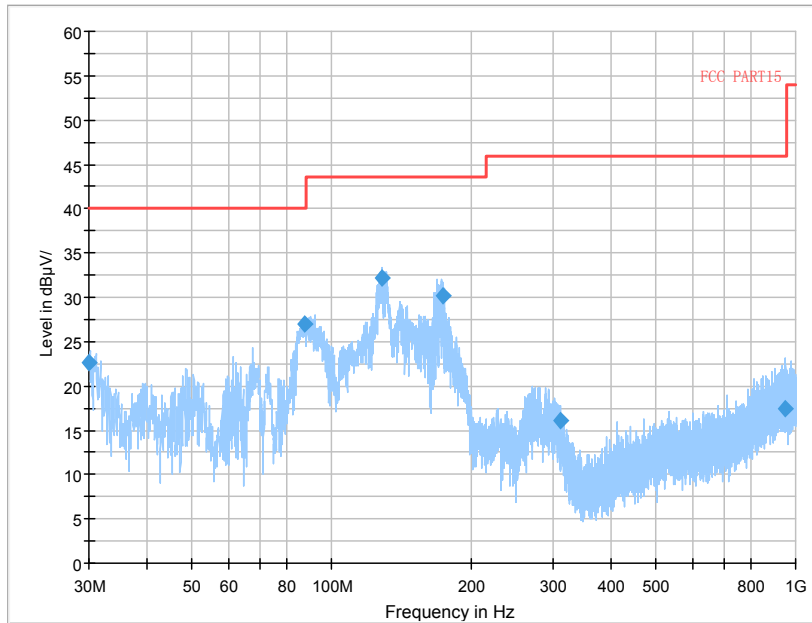
Full Spectrum



— Preview Result 2-AVG     — Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK.74     — AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

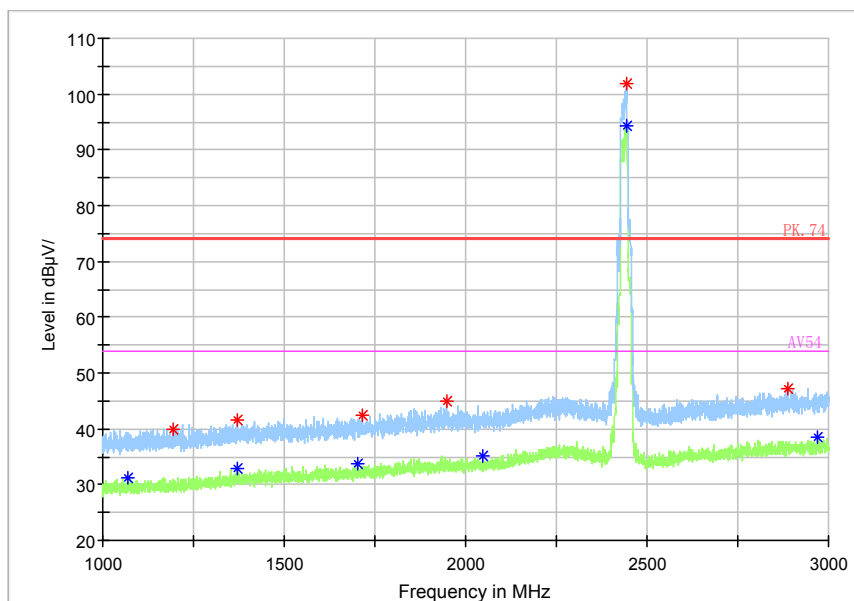
Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)





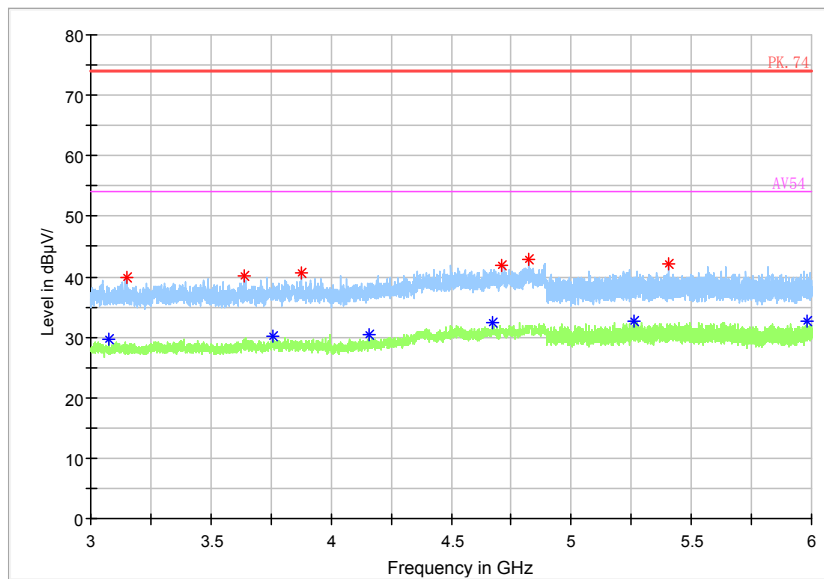
Frequency Range: 30MHz -1GHz  
Detector: QP mode  
Test Mode: 802.11n(HT40)

Full Spectrum



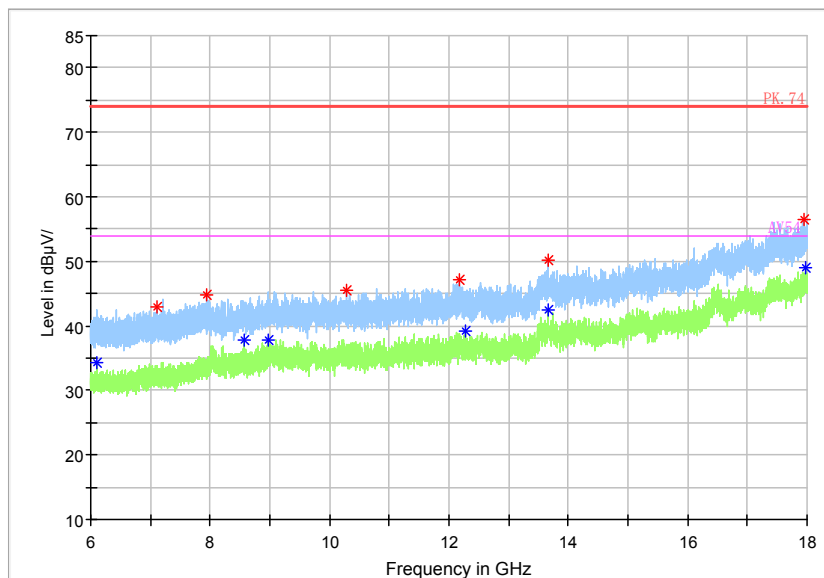
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)

Full Spectrum



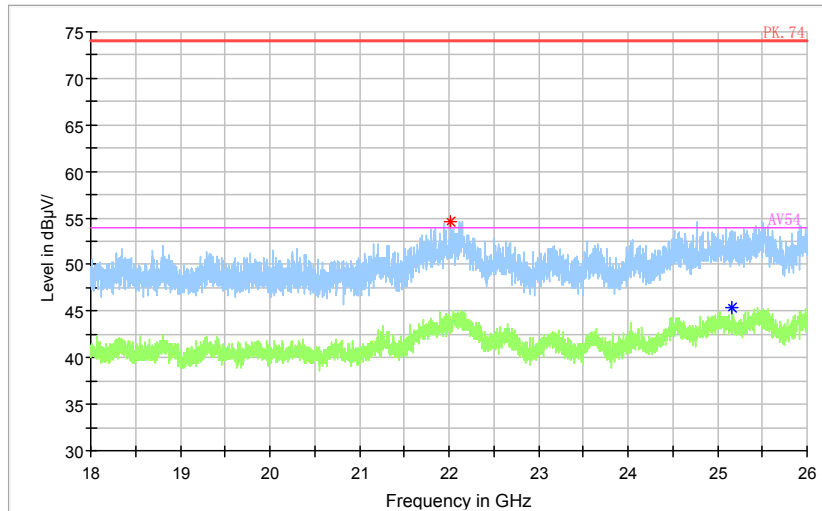
Frequency Range: 3GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)

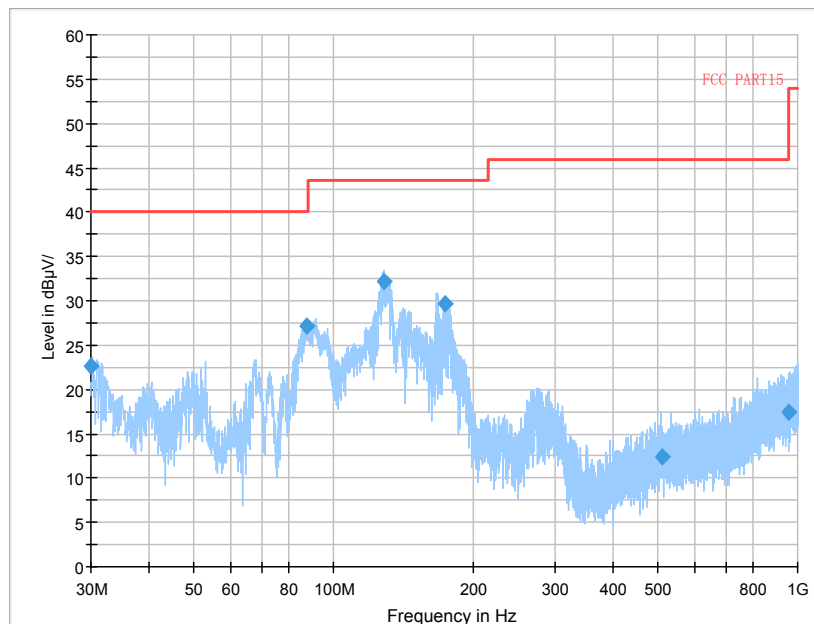
Full Spectrum



◆ Preview Result 2-AVG    — Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    — PK.74    — AV54  
◆ Final\_Result PK+    ◆ Final\_Result AVG

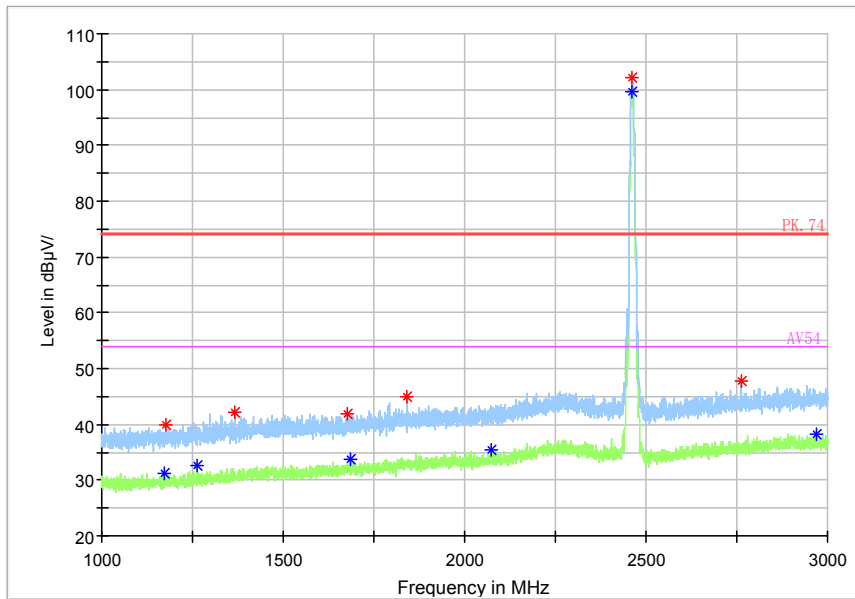
Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

Carrier frequency (MHz): 2462  
 Channel No.:11



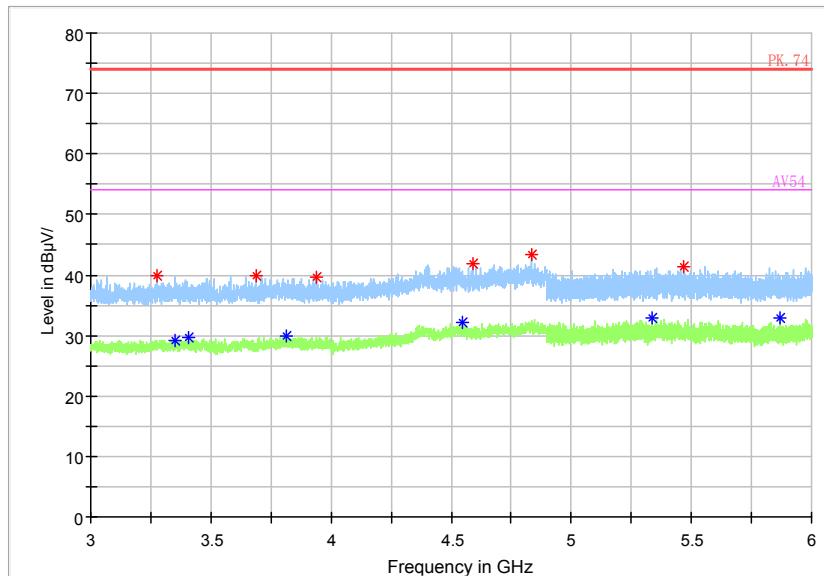
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11b

Full Spectrum



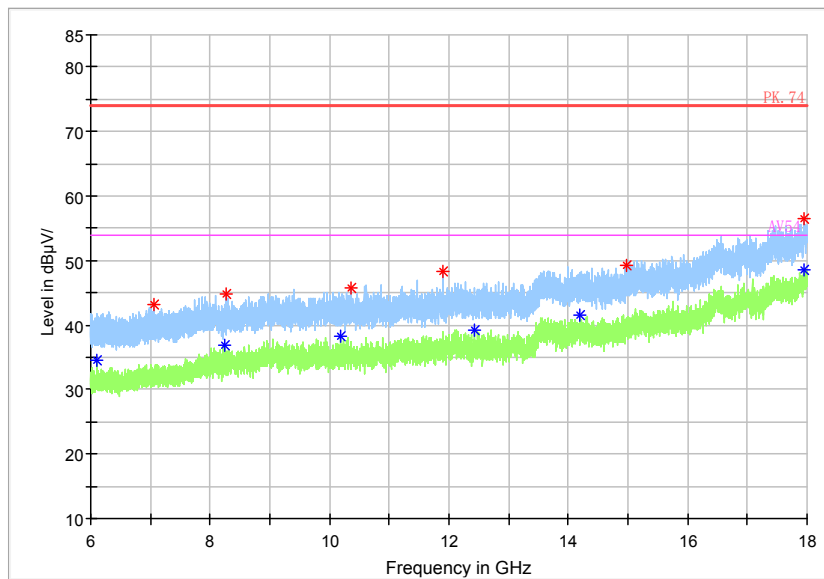
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



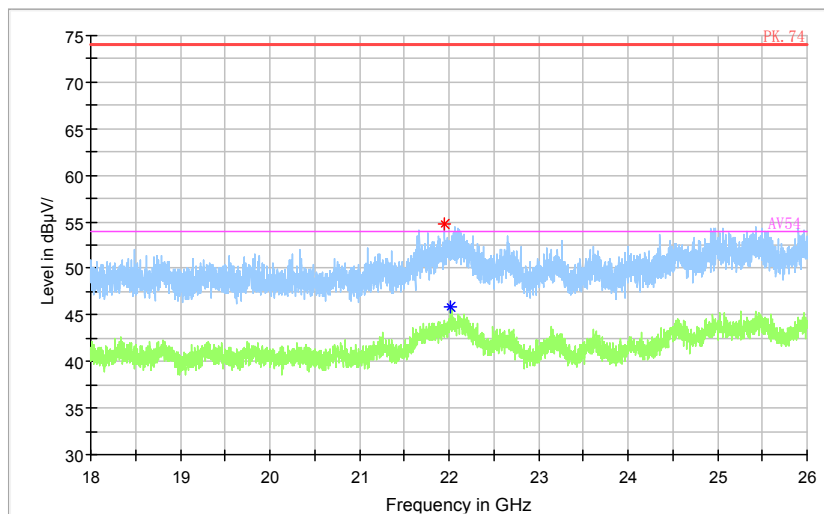
Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



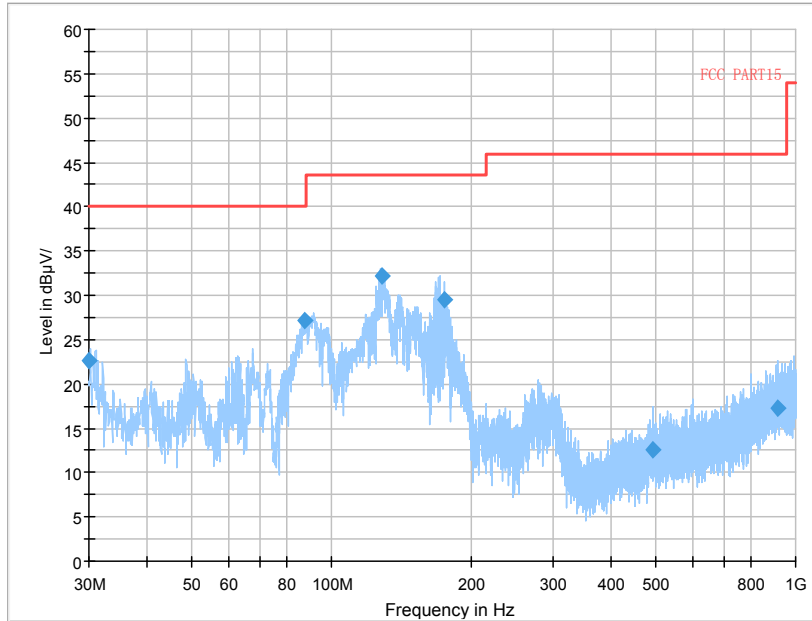
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



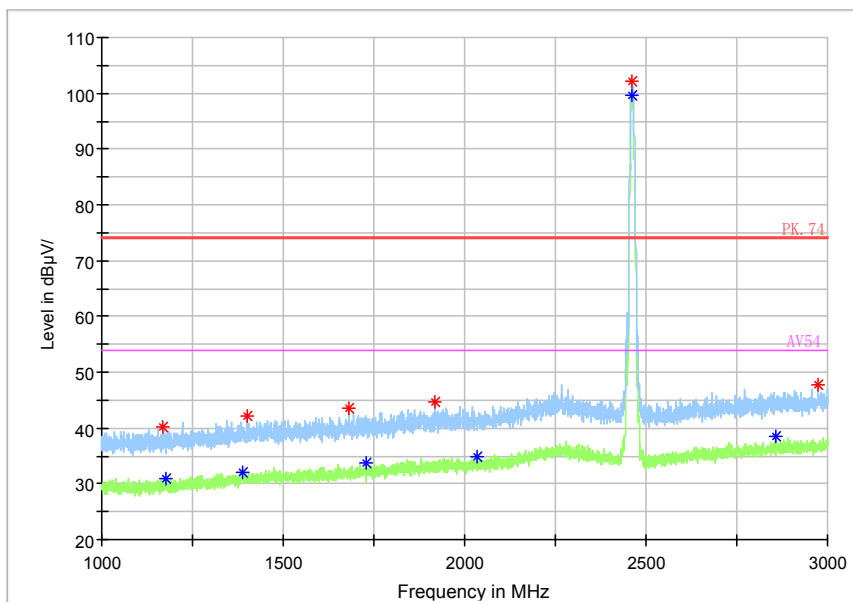
— Preview Result 2-AVG     — Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK.74     \* AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b



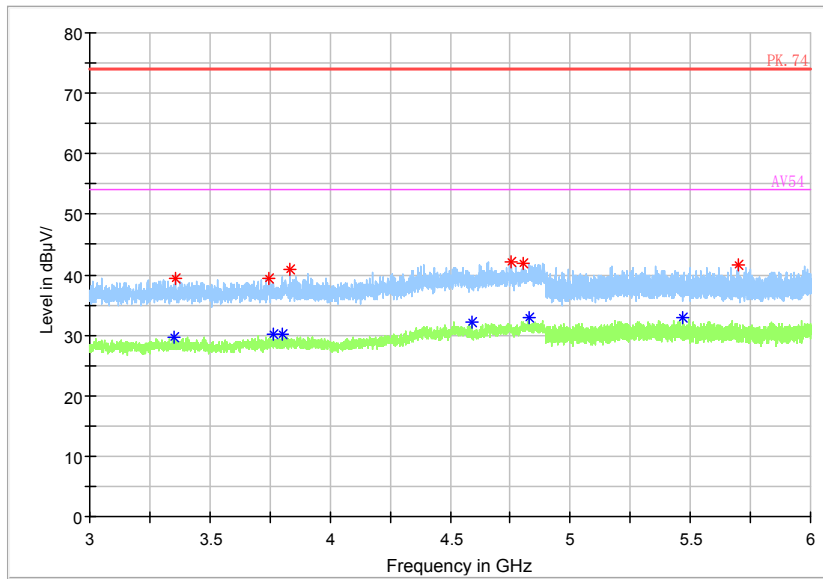
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Modulation type: 802.11g

Full Spectrum



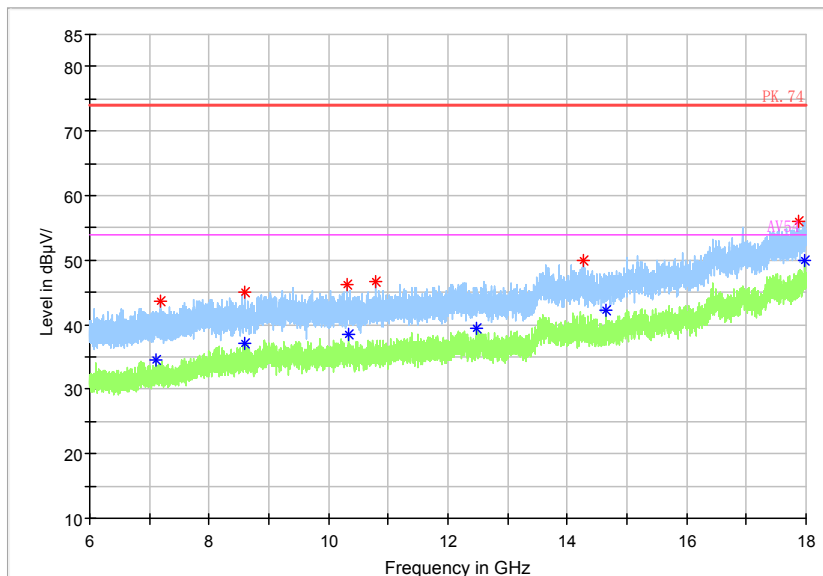
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



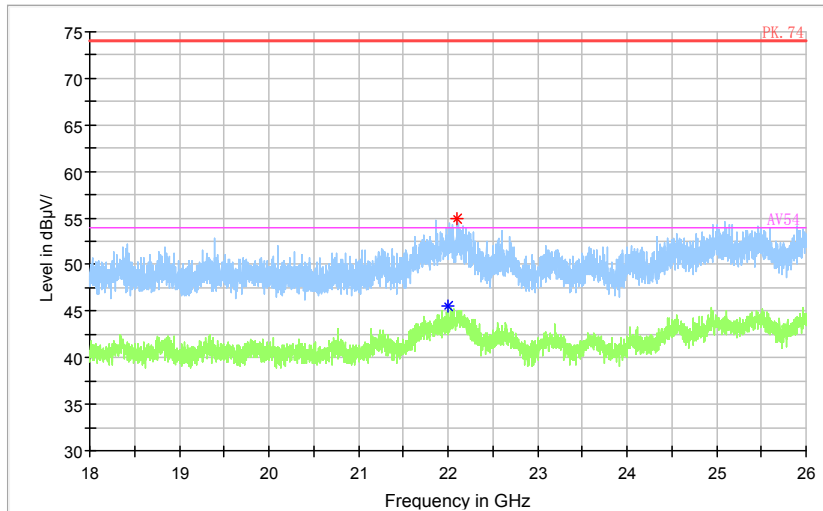
Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



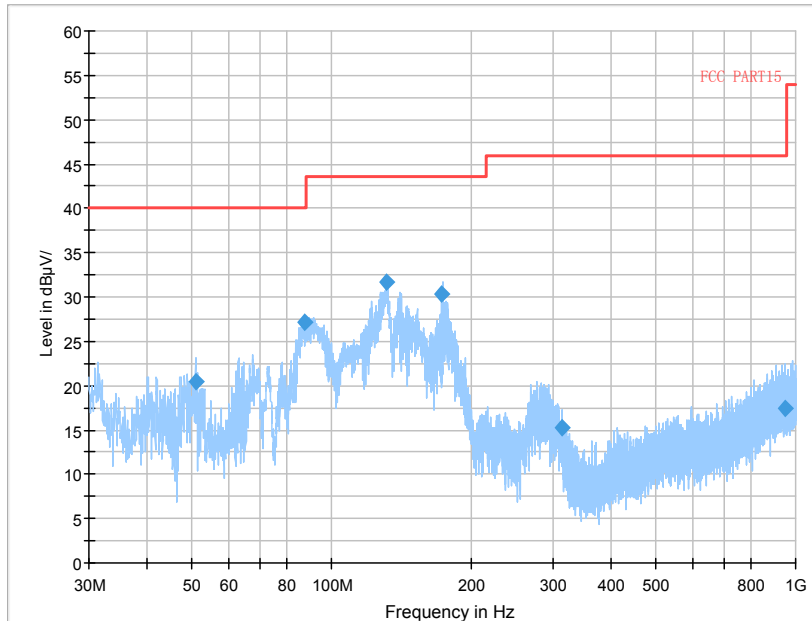
Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



◆ Preview Result 2-AVG    — Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    — PK.74    — AV54  
◆ Final\_Result PK+    ◆ Final\_Result AVG

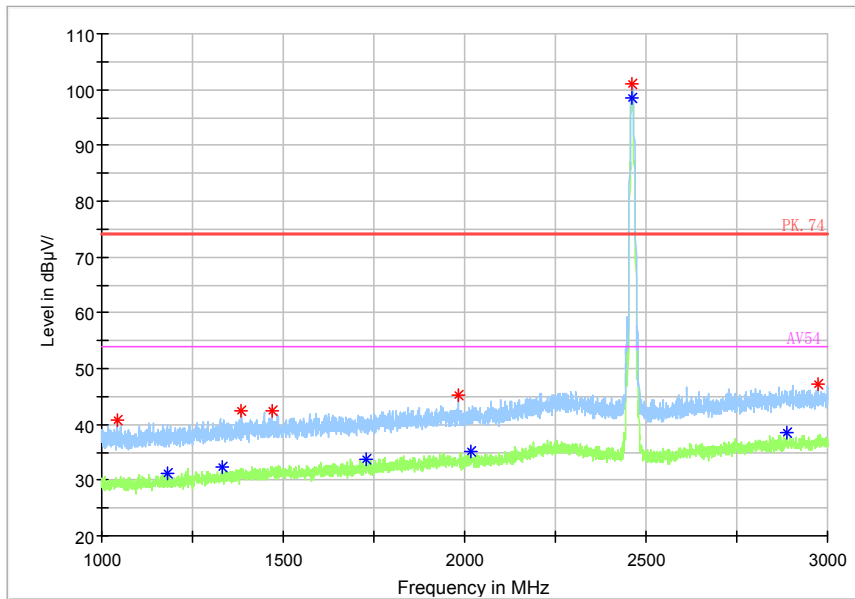
Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g



Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT20)

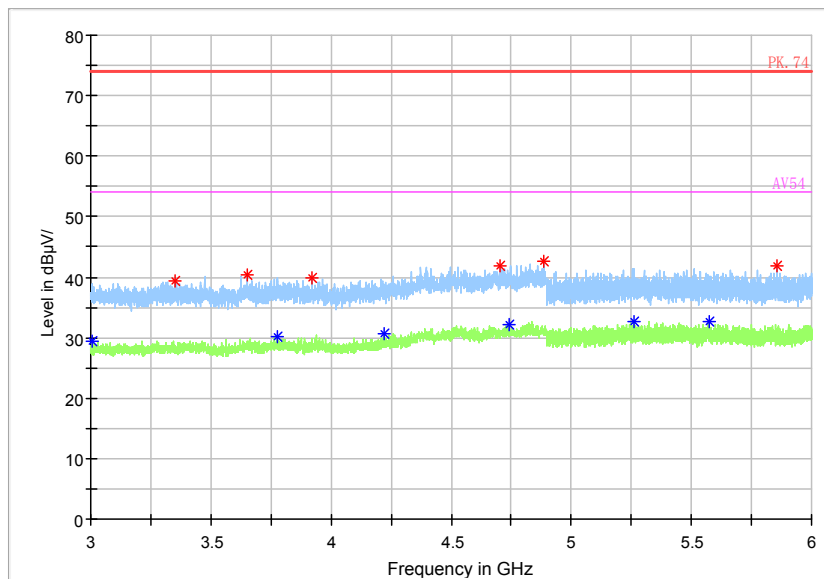


Full Spectrum



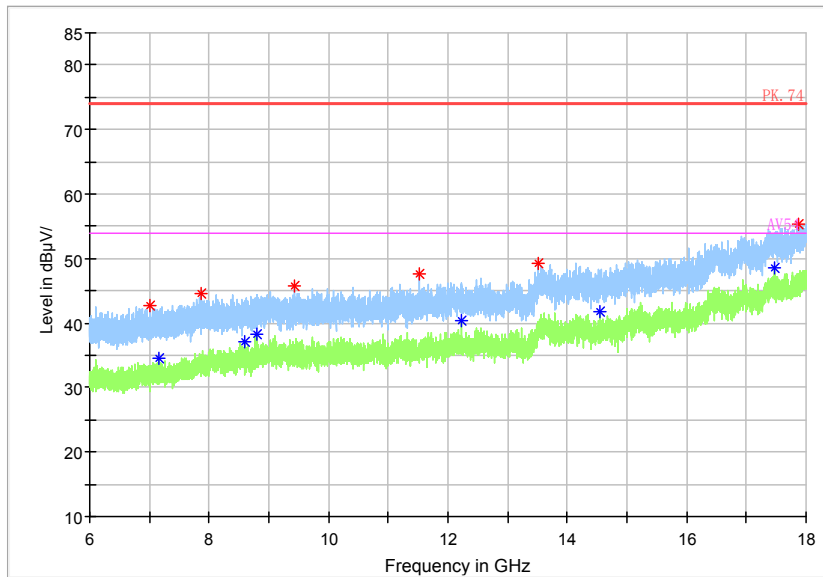
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



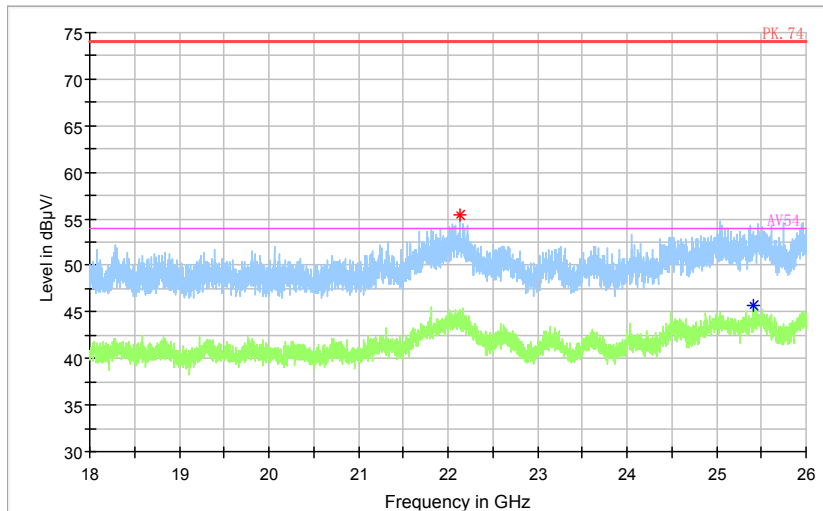
Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



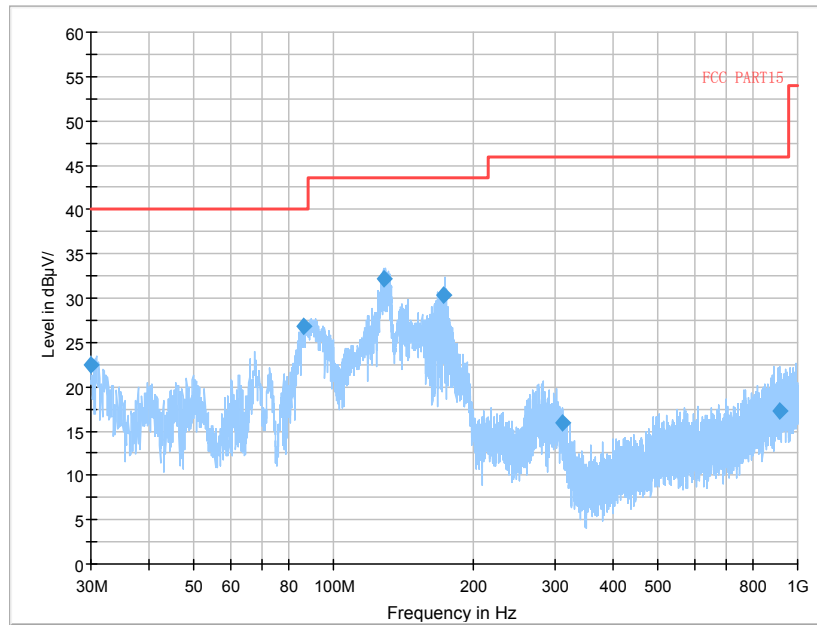
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



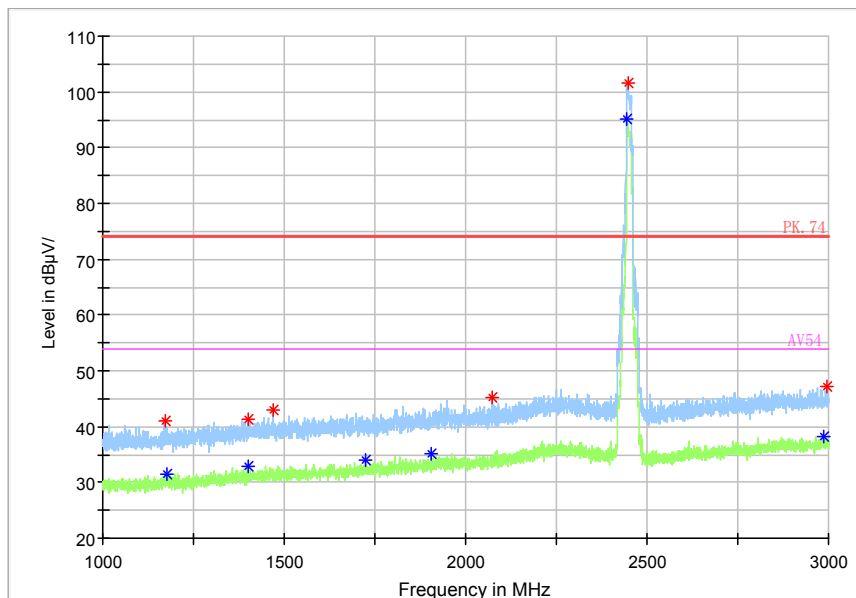
— Preview Result 2-AVG     — Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK.74     — AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)



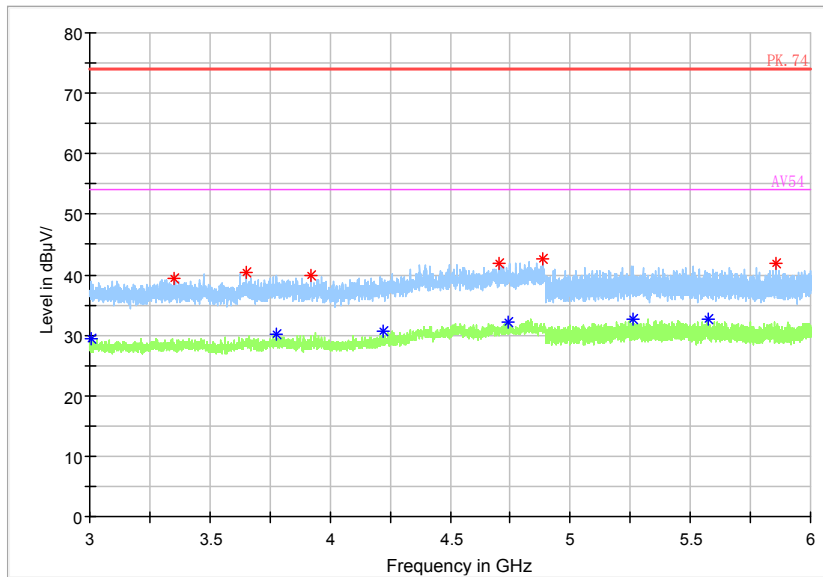
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT40)

Full Spectrum



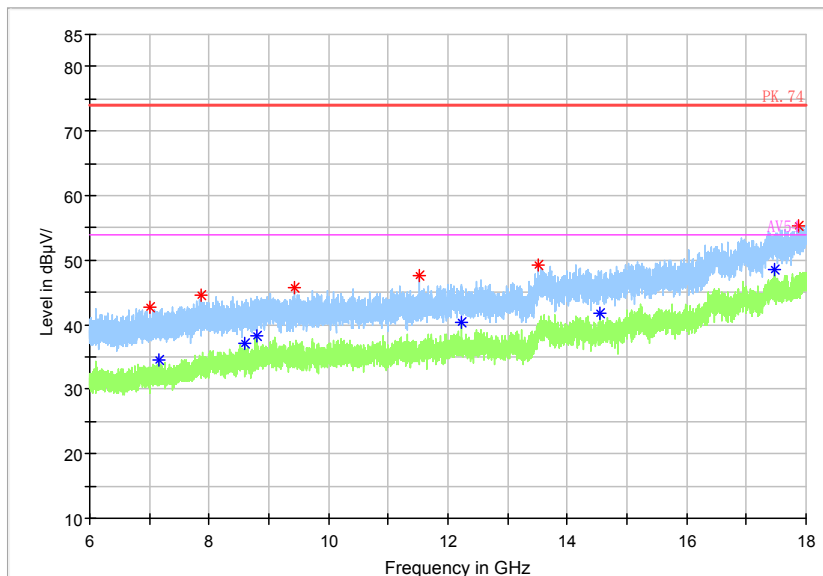
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

Full Spectrum



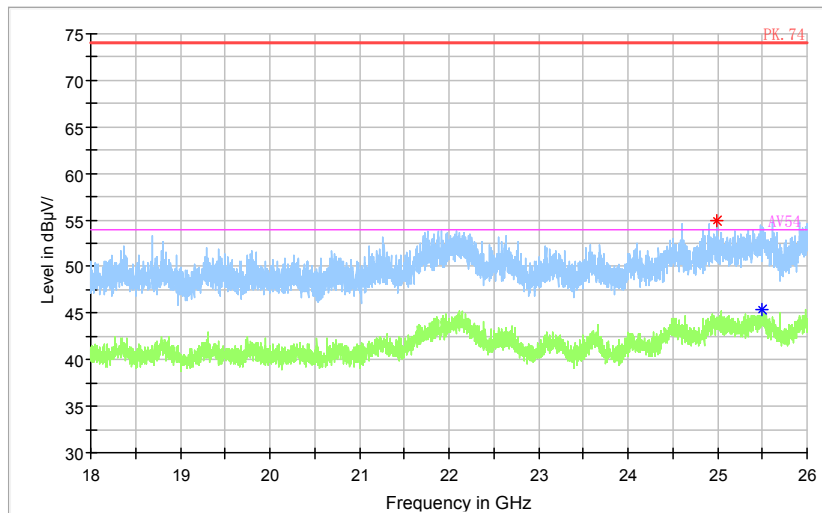
Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

Full Spectrum



- Preview Result 2-AVG
- Critical\_Freqs PK+
- Final\_Result PK+
- Preview Result 1-PK+
- PK.74
- Final\_Result AVG
- Critical\_Freqs AVG
- AV54

Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT40)

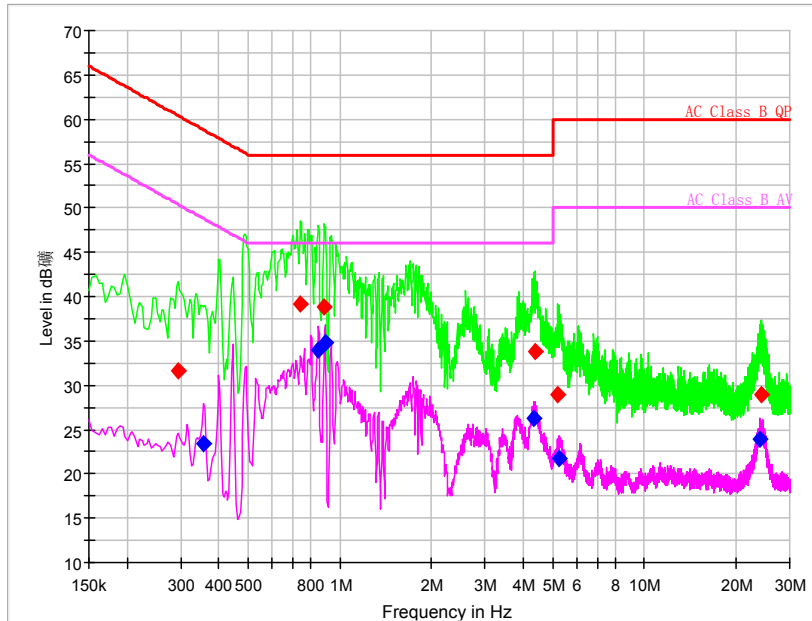
### AC Power line Conducted Emission

A “reference path loss” Corr.(dB) is established and the  $L_{cable}+ATT+VDF$  is the attenuation of “reference path loss”, and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.

The measurement results are obtained as described below:

$$P_{result}=P_{mea}+ Corr.(dB)$$

Sample calculation:  $(31.66 \text{ dB}\mu\text{V}) = (2.06 \text{ dB}\mu\text{V}) + (29.6 \text{ dB})$ , the corresponding frequency is 0.295322MHz.



L+N Line

**MEASUREMENT RESULT:**

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBμV)	Pmea Average (dBμV)
0.295322	31.66	---	60.37	28.71	L1	29.6	2.06	---
0.358164	---	23.45	48.77	25.32	L1	29.6	---	-6.15
0.743072	39.08	---	56.00	16.92	N	29.6	9.48	---
0.849118	---	33.96	46.00	12.04	L1	29.6	---	4.36
0.888395	38.82	---	56.00	17.18	L1	29.6	9.22	---
0.892322	---	34.73	46.00	11.27	N	29.6	---	5.13
4.348638	---	26.26	46.00	19.74	L1	29.7	---	-3.44
4.368276	33.86	---	56.00	22.14	L1	29.7	4.16	---
5.212717	28.97	---	60.00	31.03	L1	29.7	-0.73	---
5.263776	---	21.72	50.00	28.28	L1	29.7	---	-7.98
23.978941	---	23.87	50.00	26.13	L1	29.8	---	-5.93
24.238164	28.90	---	60.00	31.10	L1	29.8	-0.9	---

---End of Test Report---