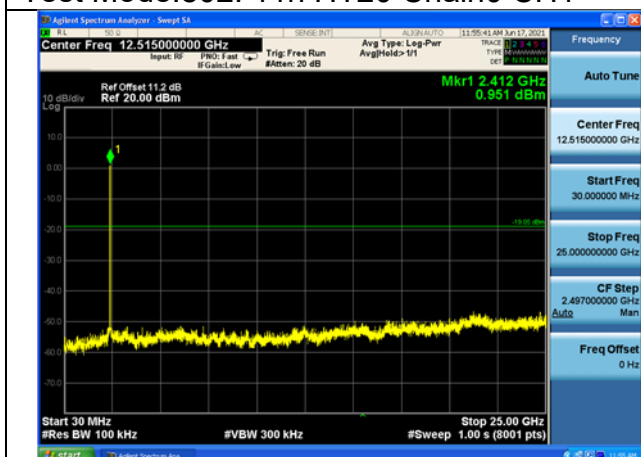
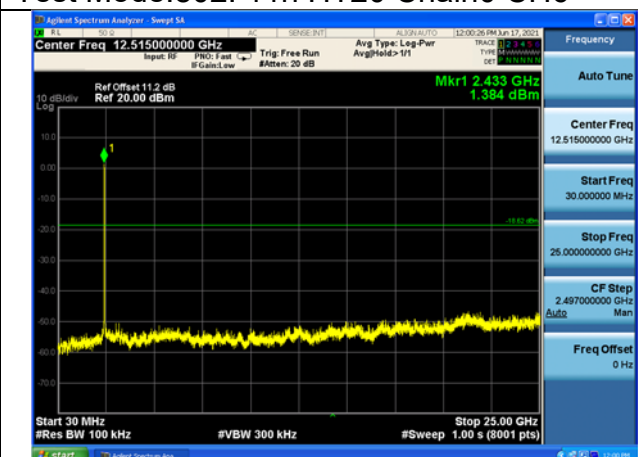


Test Mode:802. 11n HT20

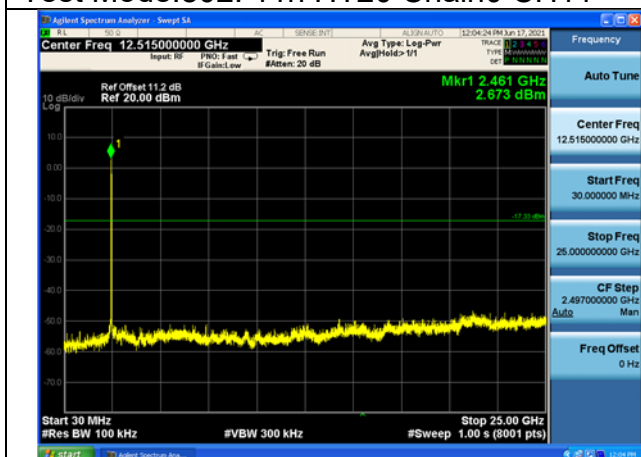
Test Mode:802. 11n HT20 Chain0 CH1



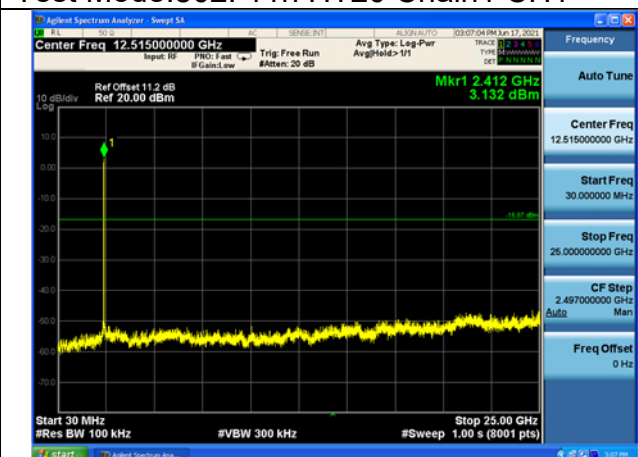
Test Mode:802. 11n HT20 Chain0 CH6



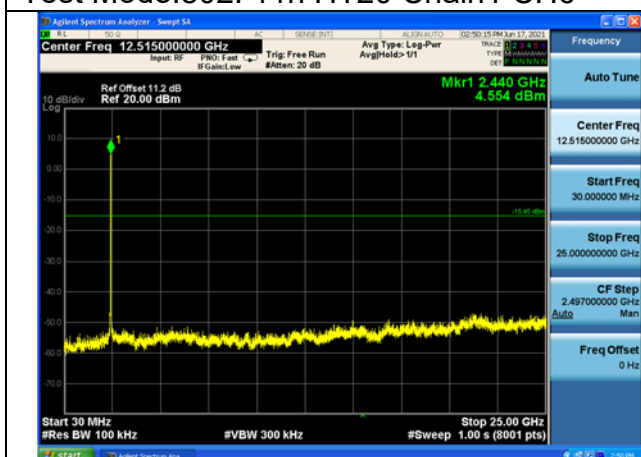
Test Mode:802. 11n HT20 Chain0 CH11



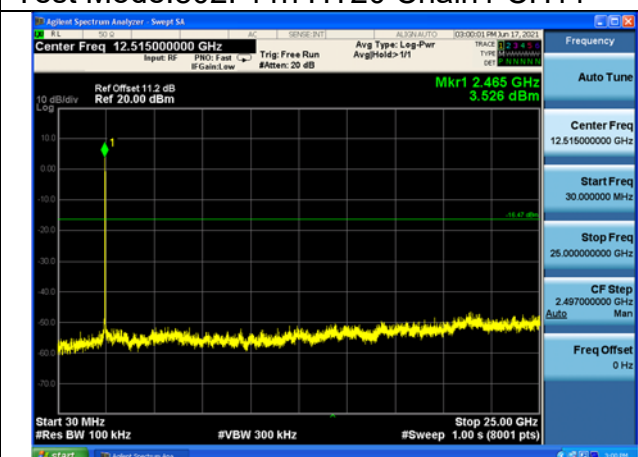
Test Mode:802. 11n HT20 Chain1 CH1



Test Mode:802. 11n HT20 Chain1 CH6

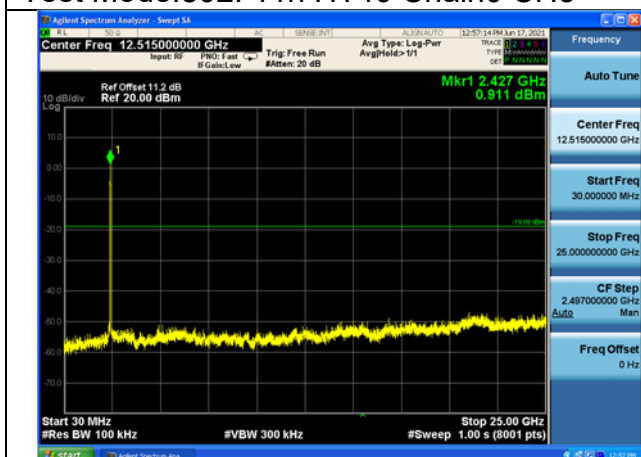


Test Mode:802. 11n HT20 Chain1 CH11

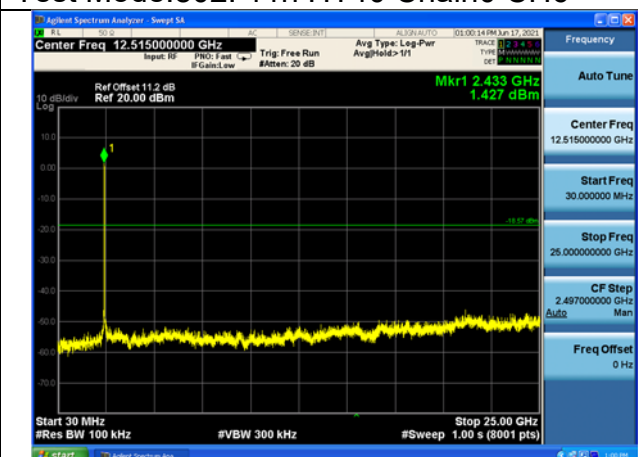


Test Mode:802. 11n HT40

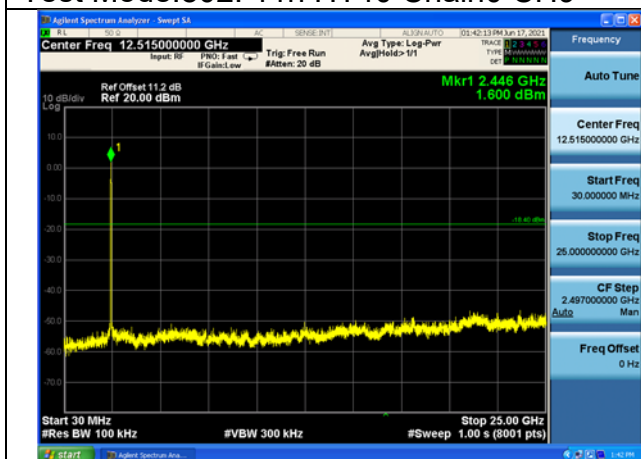
Test Mode:802. 11n HT40 Chain0 CH3



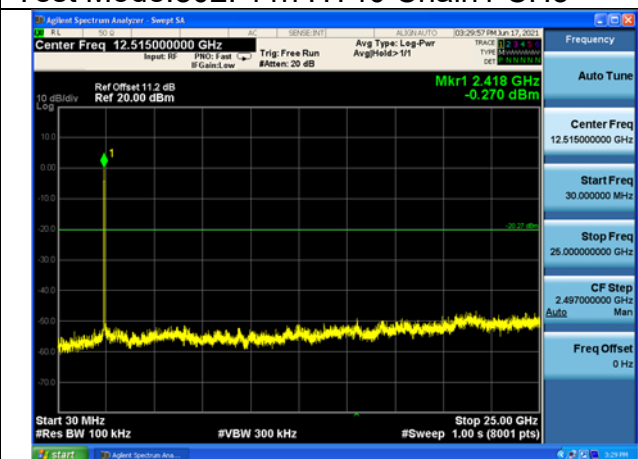
Test Mode:802. 11n HT40 Chain0 CH6



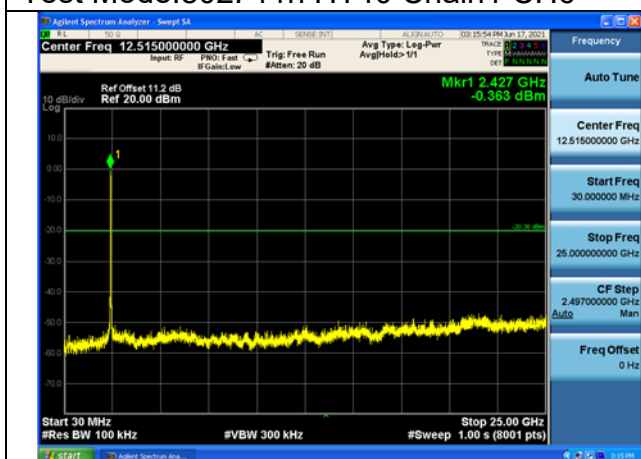
Test Mode:802. 11n HT40 Chain0 CH9



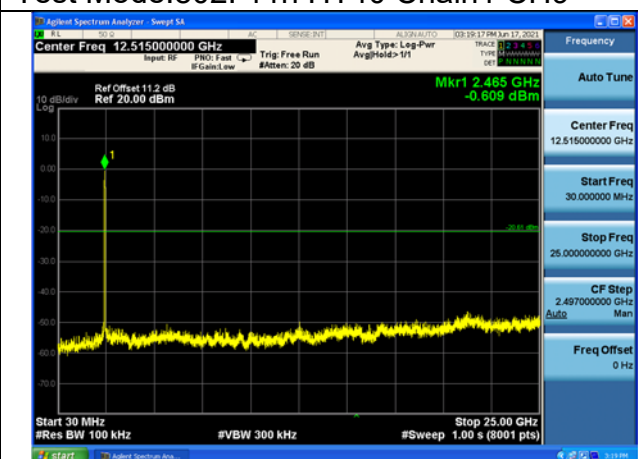
Test Mode:802. 11n HT40 Chain1 CH3



Test Mode:802. 11n HT40 Chain1 CH6



Test Mode:802. 11n HT40 Chain1 CH9

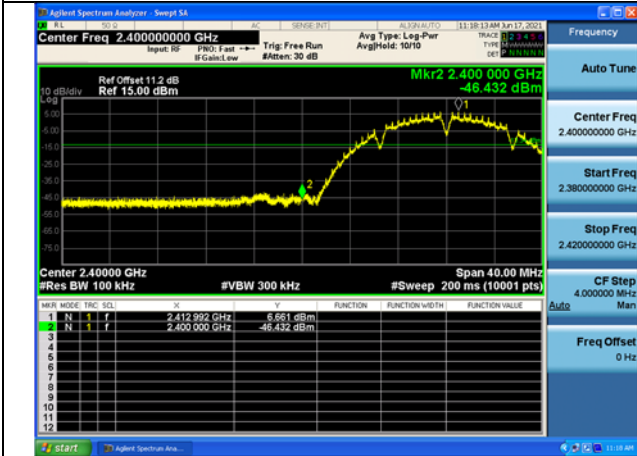


Band edge measurement (RF Conducted measurement)

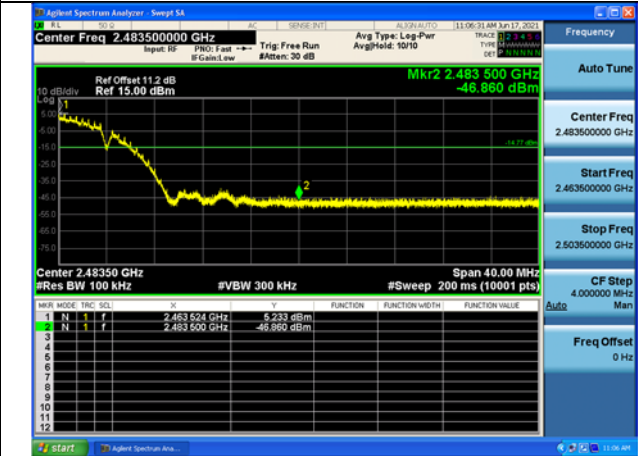
Offset 11.2dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

Test Mode:802.11b

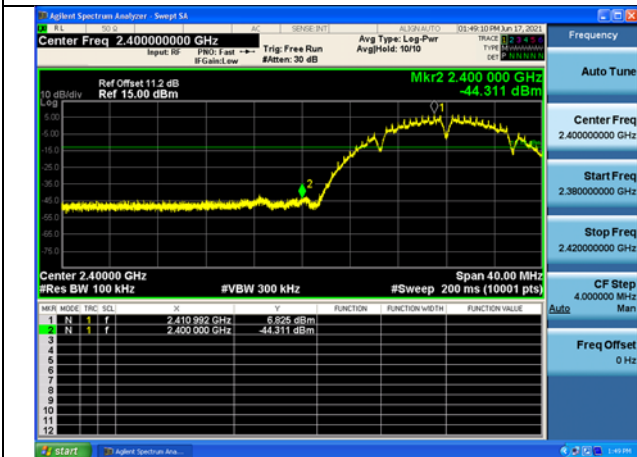
Test Mode:802.11b Chain0 CH1



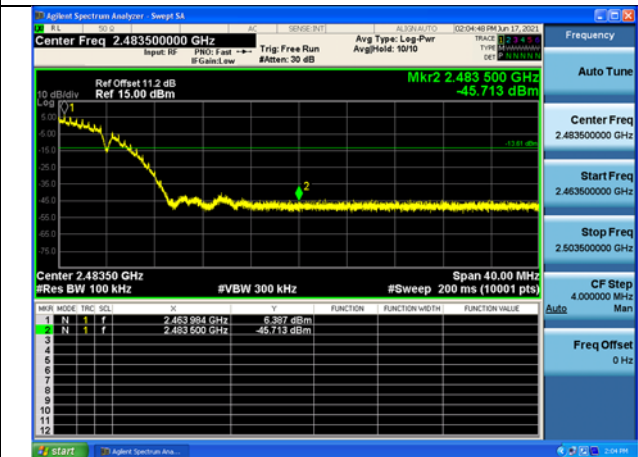
Test Mode:802.11b Chain0 CH11



Test Mode:802.11b Chain1 CH1

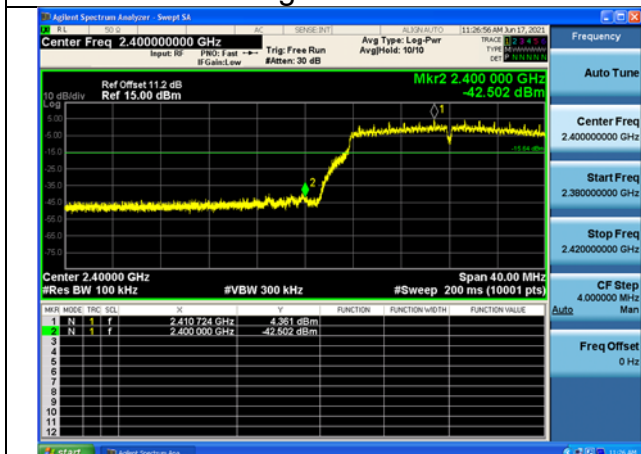


Test Mode:802.11b Chain1 CH11

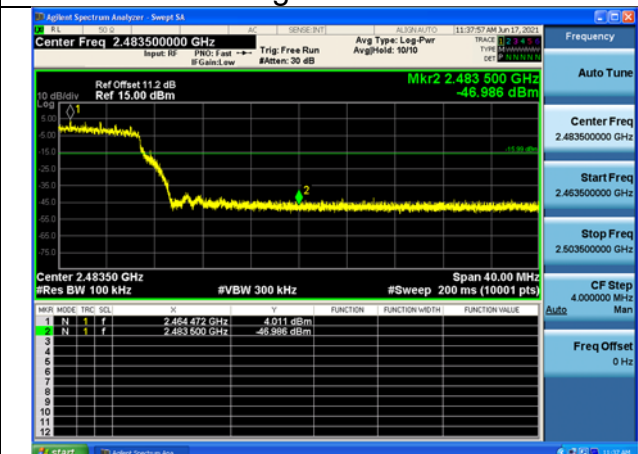


Test Mode:802.11g

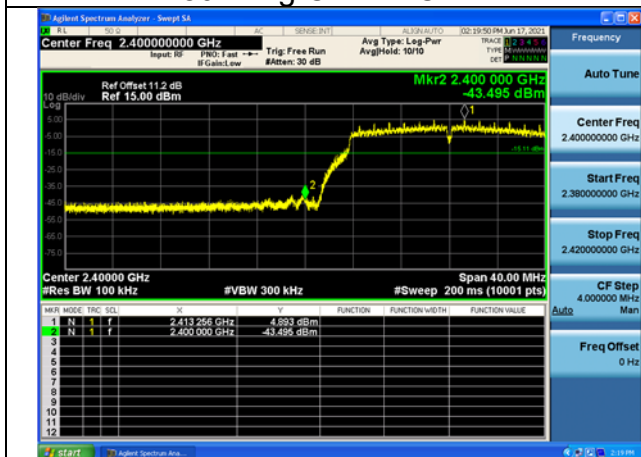
Test Mode:802.11g Chain0 CH1



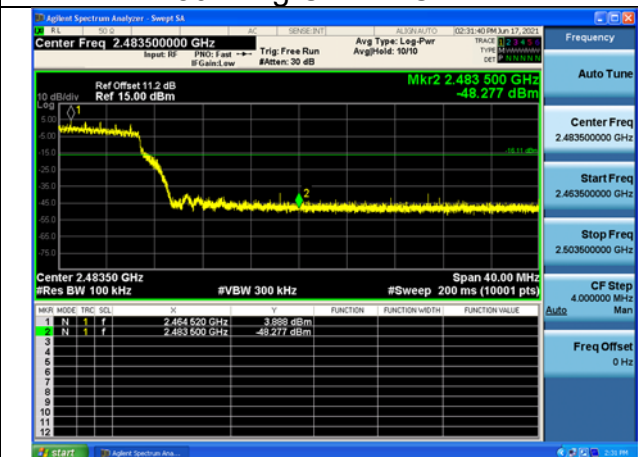
Test Mode:802.11g Chain0 CH11



Test Mode:802.11g Chain1 CH1

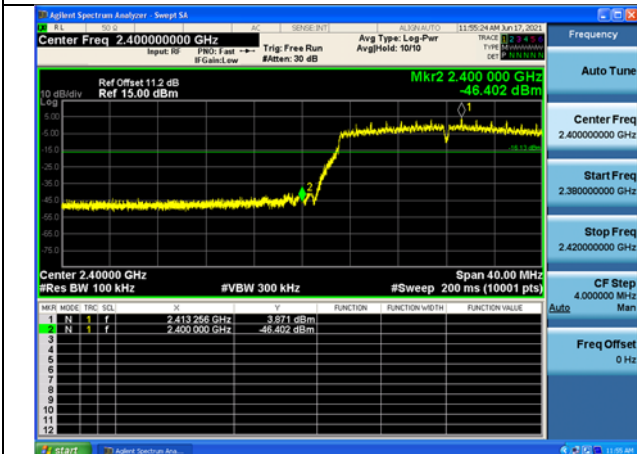


Test Mode:802.11g Chain1 CH11

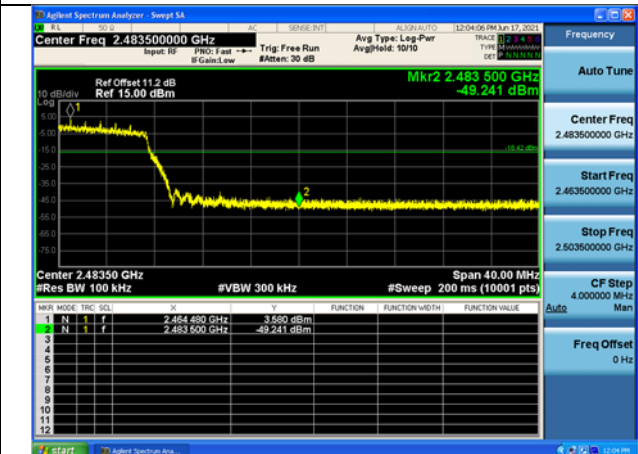


Test Mode:802. 11n HT20

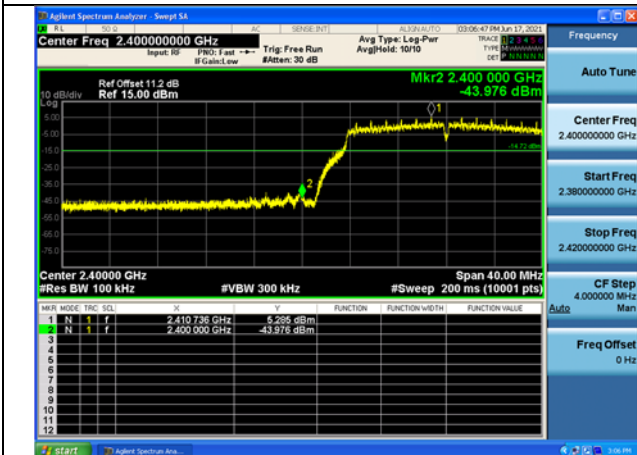
Test Mode:802. 11n HT20 Chain0 CH1



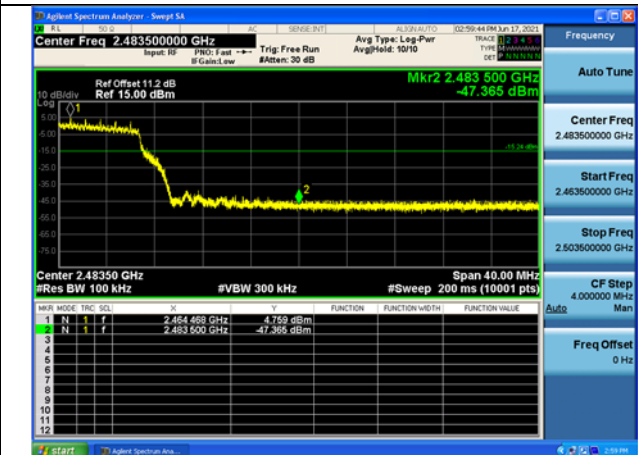
Test Mode:802. 11n HT20 Chain0 CH11



Test Mode:802. 11n HT20 Chain1 CH1

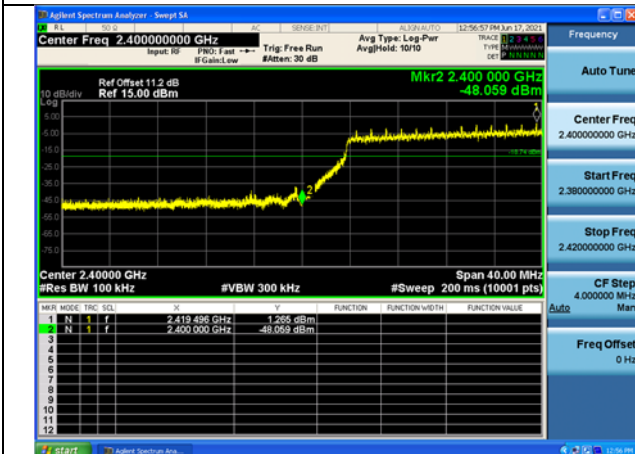


Test Mode:802. 11n HT20 Chain1 CH11



Test Mode:802. 11n HT40

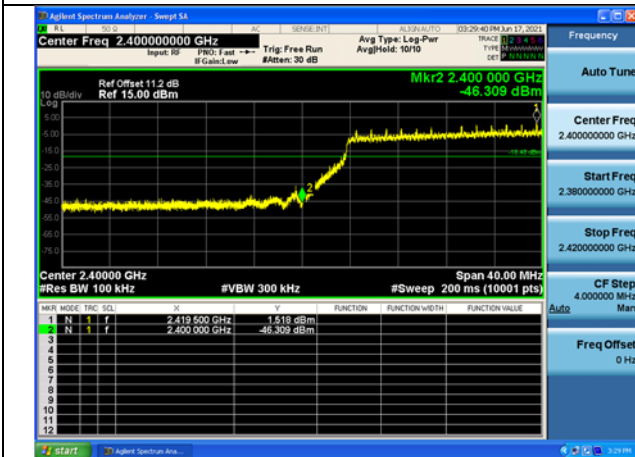
Test Mode:802. 11n HT40 Chain0 CH3



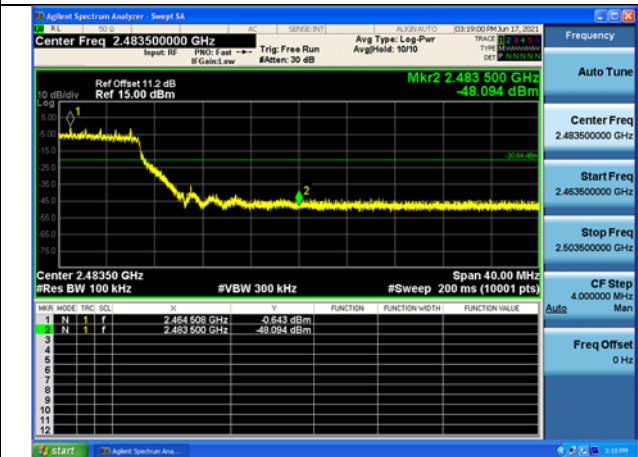
Test Mode:802. 11n HT40 Chain0 CH9



Test Mode:802. 11n HT40 Chain1 CH3



Test Mode:802. 11n HT40 Chain1 CH9



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: (86.09 dBuV/m) = (52.09 dBuV) + (8.90 dB) + (25.10 dB), the corresponding frequency is 2412MHz.

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

Note: For 11b/g SISO mode, test the worst antenna chain1.

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	97.39	63.39	N/A	N/A	8.90	25.10
2	2390	46.08	12.08	-27.92	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	94.77	60.77	N/A	N/A	8.90	25.10
2	2390	43.84	9.84	-30.16	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	94.69	60.69	N/A	N/A	8.90	25.10
2	2390	35.82	1.82	-18.18	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	92.19	58.19	N/A	N/A	8.90	25.10
2	2390	34.75	0.75	-19.25	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	96.59	62.59	N/A	N/A	8.90	25.10
2	2483.5	45.42	11.42	-28.58	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	94.23	60.23	N/A	N/A	8.90	25.10
2	2483.5	43.52	9.52	-30.48	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	93.57	59.57	N/A	N/A	8.90	25.10
2	2483.5	36.87	2.87	-17.13	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	90.87	56.87	N/A	N/A	8.90	25.10
2	2483.5	34.54	0.54	-19.46	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	97.87	63.87	N/A	N/A	8.90	25.10
2	2390	46.27	12.27	-27.73	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	95.73	61.73	N/A	N/A	8.90	25.10
2	2390	43.87	9.87	-30.13	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	93.18	59.18	N/A	N/A	8.90	25.10
2	2390	36.50	2.50	-17.50	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	90.97	56.97	N/A	N/A	8.90	25.10
2	2390	34.09	0.09	-19.91	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	97.78	63.78	N/A	N/A	8.90	25.10
2	2483.5	45.29	11.29	-28.71	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	95.63	61.63	N/A	N/A	8.90	25.10
2	2483.5	42.67	8.67	-31.33	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	93.06	59.06	N/A	N/A	8.90	25.10
2	2483.5	36.85	2.85	-17.15	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	90.83	56.83	N/A	N/A	8.90	25.10
2	2483.5	35.34	1.34	-18.66	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Modulation type: 802.11n(HT20 MIMO)
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	97.51	63.51	N/A	N/A	8.90	25.10
2	2390	45.29	11.29	-28.71	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Modulation type: 802.11n(HT20 MIMO)
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	94.92	60.92	N/A	N/A	8.90	25.10
2	2390	43.39	9.39	-30.61	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Modulation type: 802.11n(HT20 MIMO)
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	93.46	59.46	N/A	N/A	8.90	25.10
2	2390	35.82	1.82	-18.18	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Modulation type: 802.11n(HT20 MIMO)
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	90.90	56.90	N/A	N/A	8.90	25.10
2	2390	34.70	0.70	-19.30	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Modulation type: 802.11n(HT20 MIMO)
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	96.33	62.33	N/A	N/A	8.90	25.10
2	2483.5	45.65	11.65	-28.35	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Modulation type: 802.11n(HT20 MIMO)
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	93.55	59.55	N/A	N/A	8.90	25.10
2	2483.5	43.78	9.78	-30.22	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Modulation type: 802.11n(HT20 MIMO)
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	94.49	60.49	N/A	N/A	8.90	25.10
2	2483.5	36.09	2.09	-17.91	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Modulation type: 802.11n(HT20 MIMO)
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	91.58	57.58	N/A	N/A	8.90	25.10
2	2483.5	35.10	1.10	-18.90	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Modulation type: 802.11n(HT40 MIMO)
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	97.71	63.71	N/A	N/A	8.90	25.10
2	2390	46.04	12.04	-27.96	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Modulation type: 802.11n(HT40 MIMO)
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	95.43	61.43	N/A	N/A	8.90	25.10
2	2390	43.56	9.56	-30.44	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Modulation type: 802.11n(HT40 MIMO)
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	94.35	60.35	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): 2422
Channel No.:3
Modulation type: 802.11n(HT40 MIMO)
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	91.65	57.65	N/A	N/A	8.90	25.10
2	2390	33.13	-0.87	-20.87	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Modulation type: 802.11n(HT40 MIMO)
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	96.34	62.34	N/A	N/A	8.90	25.10
2	2483.5	45.57	11.57	-28.43	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Modulation type: 802.11n(HT40 MIMO)
Polarity: Horizontal
Detector: Peak

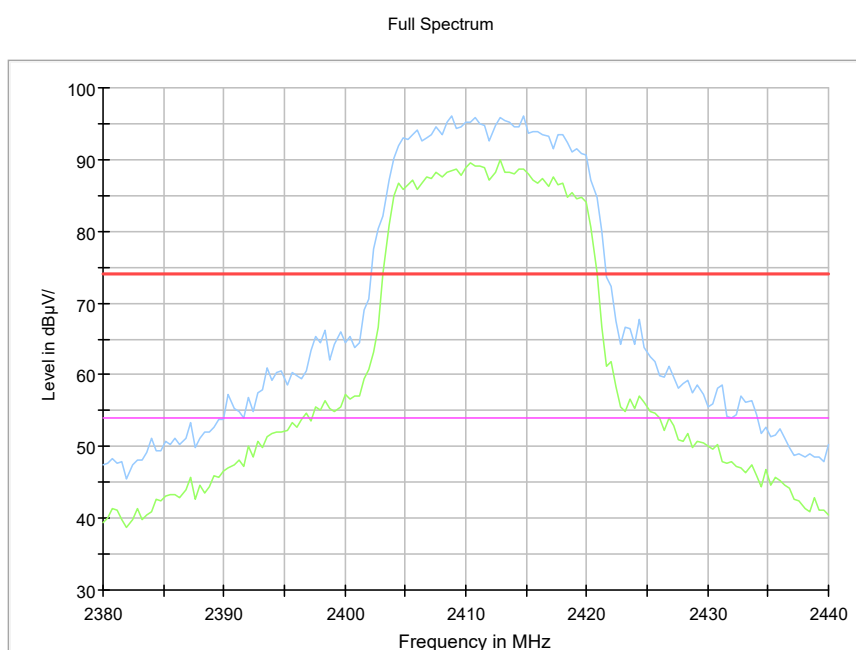
No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	93.85	59.85	N/A	N/A	8.90	25.10
2	2483.5	43.98	9.98	-30.02	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Modulation type: 802.11n(HT40 MIMO)
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	93.65	59.65	N/A	N/A	8.90	25.10
2	2483.5	35.52	1.52	-18.48	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Modulation type: 802.11n(HT40 MIMO)
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	91.60	57.60	N/A	N/A	8.90	25.10
2	2483.5	34.33	0.33	-19.67	54.00	8.90	25.10



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: $(15.26 \text{ dB}\mu\text{V/m}) = (35.86 \text{ dB}\mu\text{V}) + (-20.6 \text{ dB/m})$, the corresponding frequency is 43.677MHz.

Note: For 11b / g SISO mode, test the worst antenna chain1

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
33.395000	32.04	-20.7	52.74	Vertical	40.00
75.105000	25.70	-23.4	49.10	Vertical	40.00
150.280000	23.37	-22.5	45.87	Vertical	43.50
215.997500	27.39	-18.2	45.59	Vertical	43.50
359.994000	29.62	-13.8	43.42	Vertical	46.00
959.987500	30.12	-2.8	32.92	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.716000	32.80	-20.8	53.60	Vertical	40.00
84.126000	25.98	-23.3	49.28	Vertical	40.00
150.280000	23.42	-22.5	45.92	Vertical	43.50
215.997500	27.41	-18.2	45.61	Vertical	43.50
359.994000	29.66	-13.8	43.46	Vertical	46.00
959.987500	30.12	-2.8	32.92	Vertical	46.00

For 802.11n(HT20 MIMO) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.716000	32.79	-20.8	53.59	Vertical	40.00
72.098000	24.83	-22.3	47.13	Vertical	40.00
150.280000	23.52	-22.5	46.02	Vertical	43.50
215.997500	27.39	-18.2	45.59	Vertical	43.50
359.994000	29.64	-13.8	43.44	Vertical	46.00
959.987500	30.15	-2.8	32.95	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.716000	32.77	-20.8	53.57	Vertical	40.00
72.098000	24.71	-22.3	47.01	Vertical	40.00
150.280000	23.38	-22.5	45.88	Vertical	43.50
215.997500	27.32	-18.2	45.52	Vertical	43.50
359.994000	29.68	-13.8	43.48	Vertical	46.00
959.987500	30.12	-2.8	32.92	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.085500	30.43	-20.9	51.33	Vertical	40.00
78.112000	24.79	-23.9	48.69	Vertical	40.00
150.280000	23.44	-22.5	45.94	Vertical	43.50
215.997500	27.32	-18.2	45.52	Vertical	43.50
359.994000	29.67	-13.8	43.47	Vertical	46.00
959.987500	30.18	-2.8	32.98	Vertical	46.00

For 802.11n(HT20 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.085500	30.74	-20.9	51.64	Vertical	40.00
78.112000	24.89	-23.9	48.79	Vertical	40.00
150.280000	23.53	-22.5	46.03	Vertical	43.50
215.997500	27.35	-18.2	45.55	Vertical	43.50
359.994000	29.62	-13.8	43.42	Vertical	46.00
959.987500	30.15	-2.8	32.95	Vertical	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.716000	32.96	-20.8	53.76	Vertical	40.00
78.112000	24.93	-23.9	48.83	Vertical	40.00
150.280000	23.47	-22.5	45.97	Vertical	43.50
215.997500	27.34	-18.2	45.54	Vertical	43.50
359.994000	29.67	-13.8	43.47	Vertical	46.00
959.987500	30.17	-2.8	32.97	Vertical	46.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	P _{mea} (dBuV)	Polarity	Limit (dBuV/m)
32.667500	32.88	-20.8	53.68	Vertical	40.00
84.126000	26.06	-23.3	49.36	Vertical	40.00
150.280000	23.37	-22.5	45.87	Vertical	43.50
215.997500	27.51	-18.2	45.71	Vertical	43.50
359.994000	29.63	-13.8	43.43	Vertical	46.00
959.987500	30.21	-2.8	33.01	Vertical	46.00

For 802.11n(HT20 MIMO) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	P _{mea} (dBuV)	Polarity	Limit (dBuV/m)
32.813000	32.28	-20.8	53.08	Vertical	40.00
84.126000	26.19	-23.3	49.49	Vertical	40.00
150.280000	23.25	-22.5	45.75	Vertical	43.50
215.997500	27.49	-18.2	45.69	Vertical	43.50
359.994000	29.55	-13.8	43.35	Vertical	46.00
959.987500	30.15	-2.8	32.95	Vertical	46.00

For 802.11 n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
32.667500	32.82	-20.8	53.62	Vertical	40.00
84.126000	26.23	-23.3	49.53	Vertical	40.00
150.280000	23.24	-22.5	45.74	Vertical	43.50
215.997500	27.54	-18.2	45.74	Vertical	43.50
359.994000	29.59	-13.8	43.39	Vertical	46.00
959.987500	30.20	-2.8	33.00	Vertical	46.00

For 802.11 n(HT40 MIMO) Channel No.:6

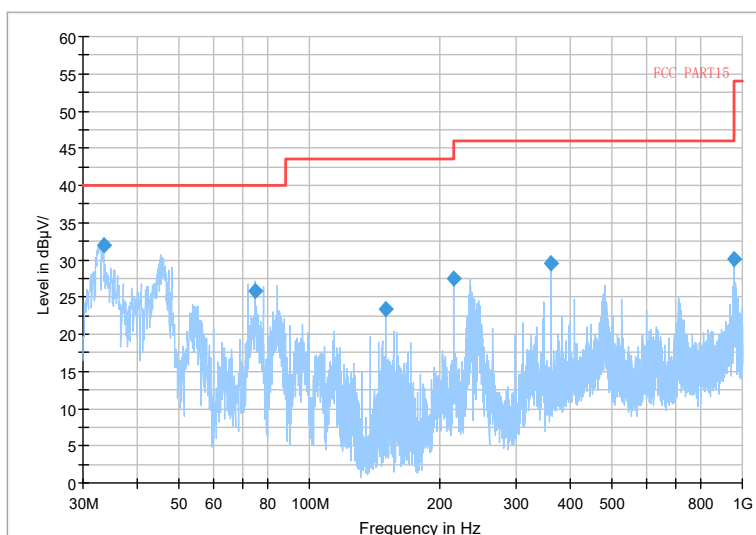
Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
33.443500	32.06	-20.7	52.76	Vertical	40.00
84.126000	26.26	-23.3	49.56	Vertical	40.00
150.280000	23.14	-22.5	45.64	Vertical	43.50
215.997500	27.57	-18.2	45.77	Vertical	43.50
359.994000	29.50	-13.8	43.30	Vertical	46.00
959.987500	30.18	-2.8	32.98	Vertical	46.00

For 802.11 n(HT40 MIMO) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
33.395000	32.32	-20.7	53.02	Vertical	40.00
84.126000	26.22	-23.3	49.52	Vertical	40.00
150.280000	23.16	-22.5	45.66	Vertical	43.50
215.997500	27.57	-18.2	45.77	Vertical	43.50
359.994000	29.56	-13.8	43.36	Horizon	46.00
959.987500	30.15	-2.8	32.95	Vertical	46.00

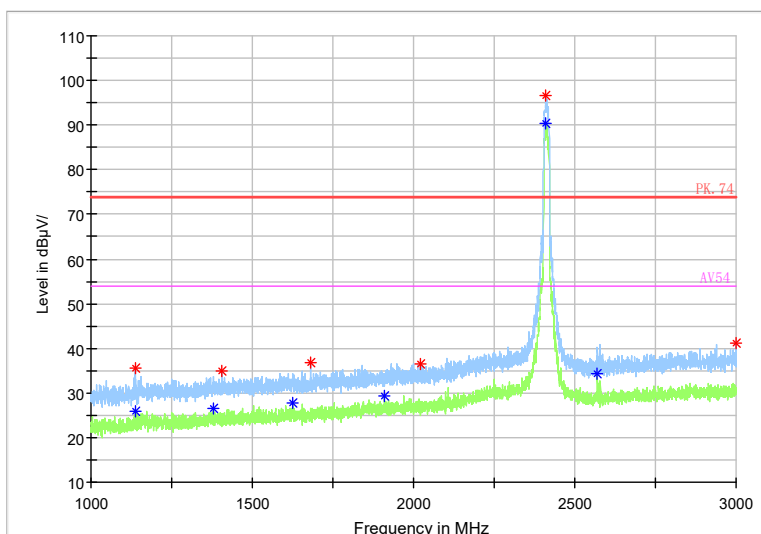
Carrier frequency (MHz): 2412
Channel No.:1

Full Spectrum



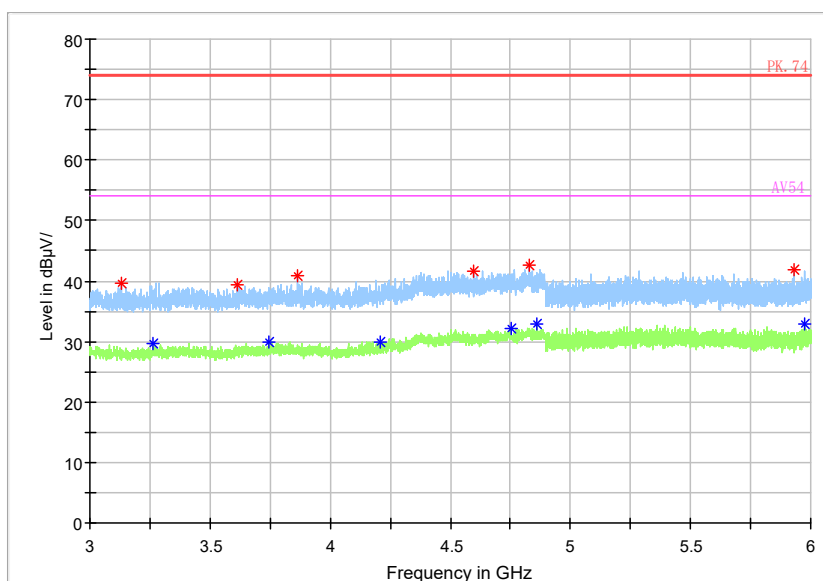
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b(Chain1)

Full Spectrum

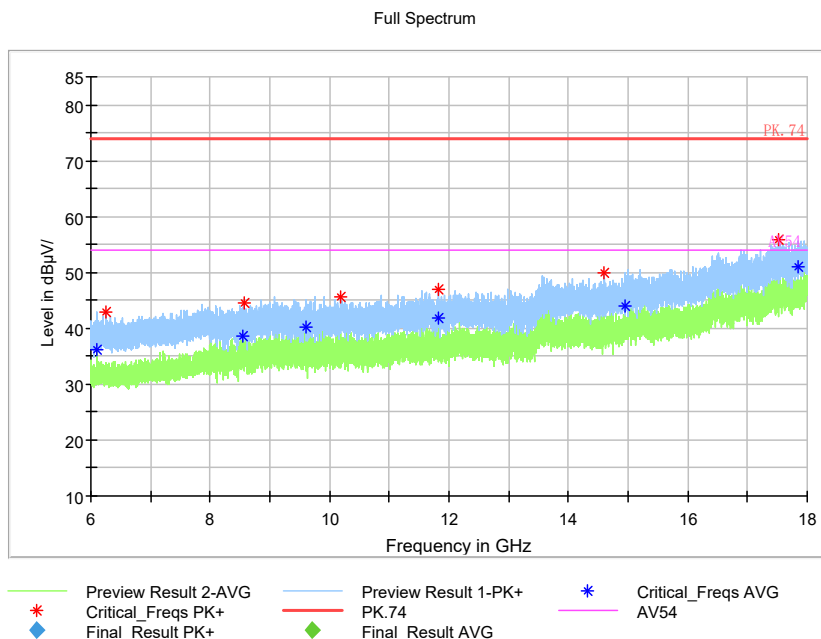


Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

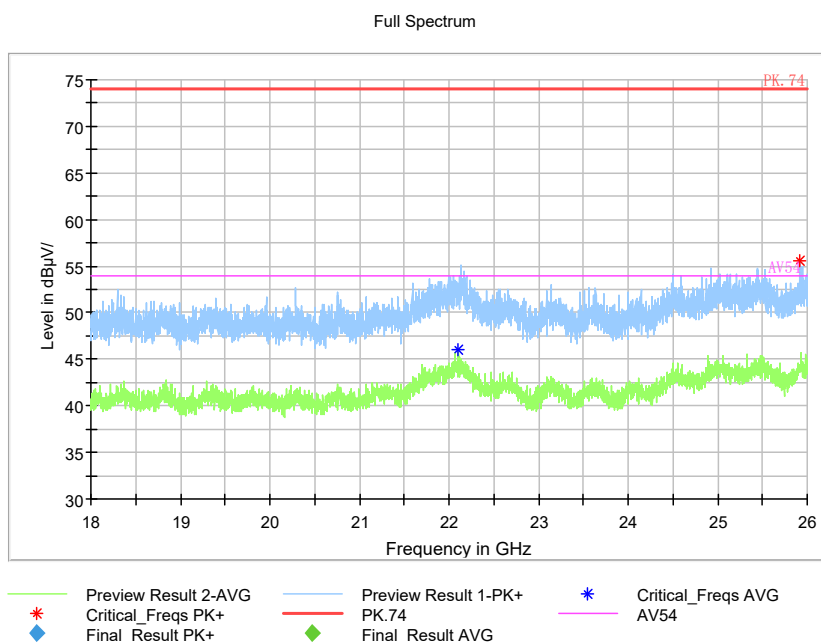
Full Spectrum



Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

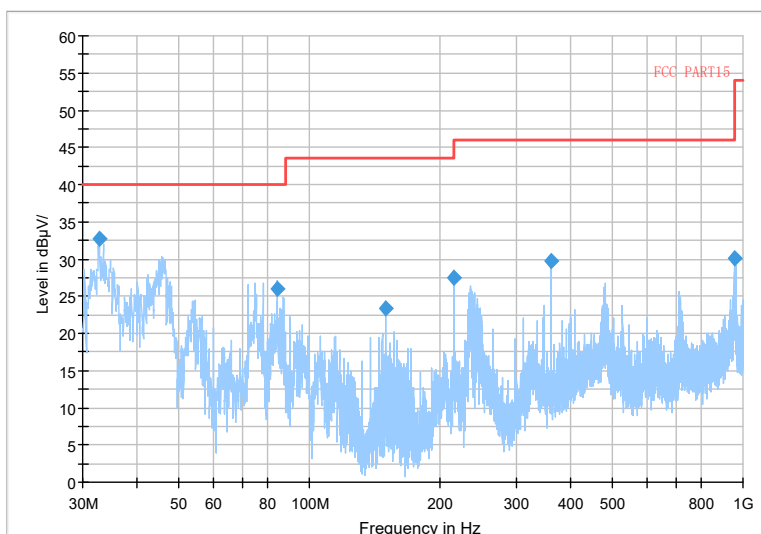


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)



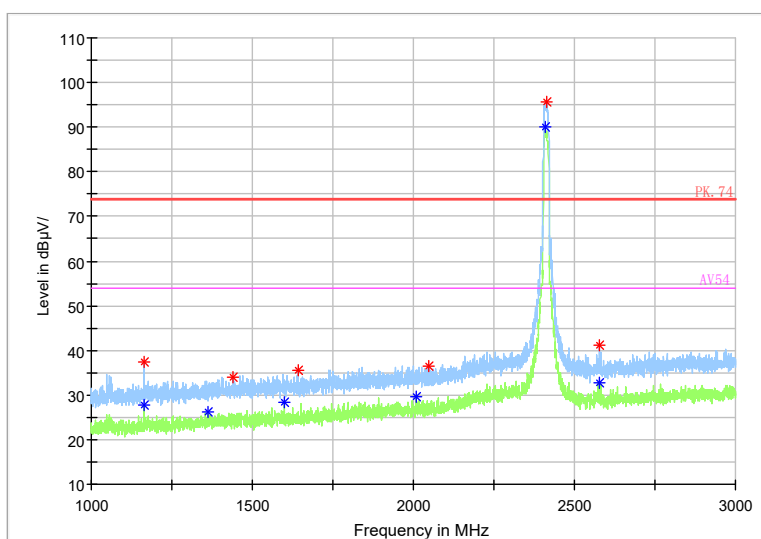
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



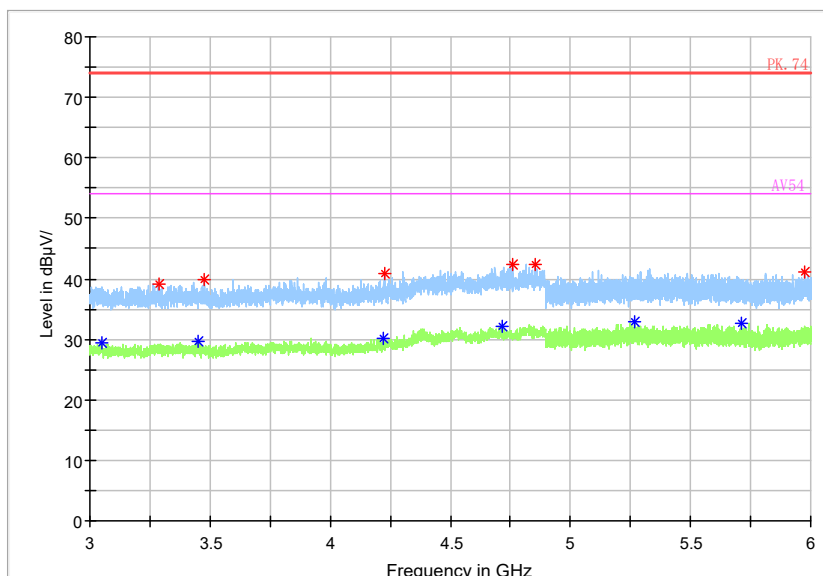
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g(Chain1)

Full Spectrum



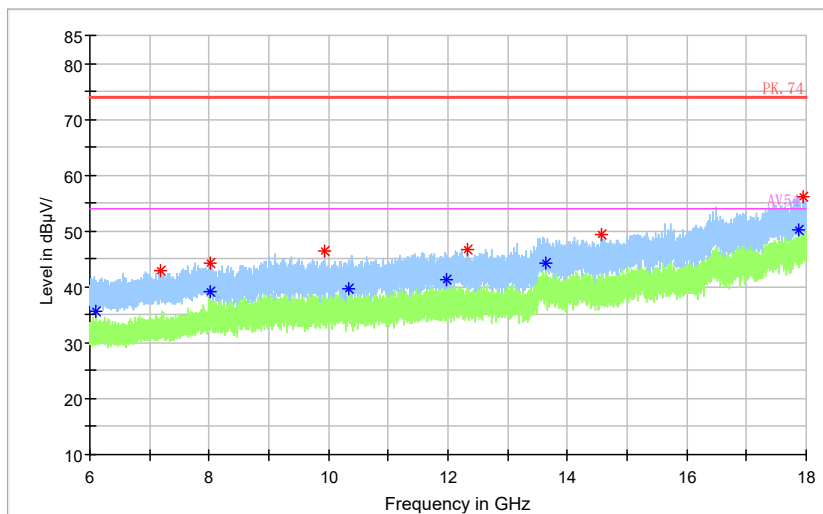
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

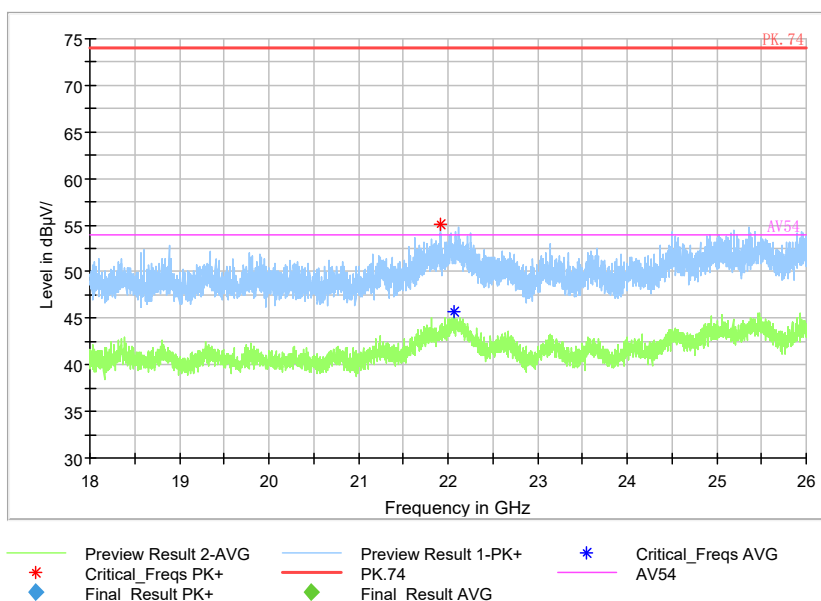
Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG
* Critical_Freqs PK+ — PK_74 — AV54
◆ Final_Result PK+ ◆ Final_Result AVG

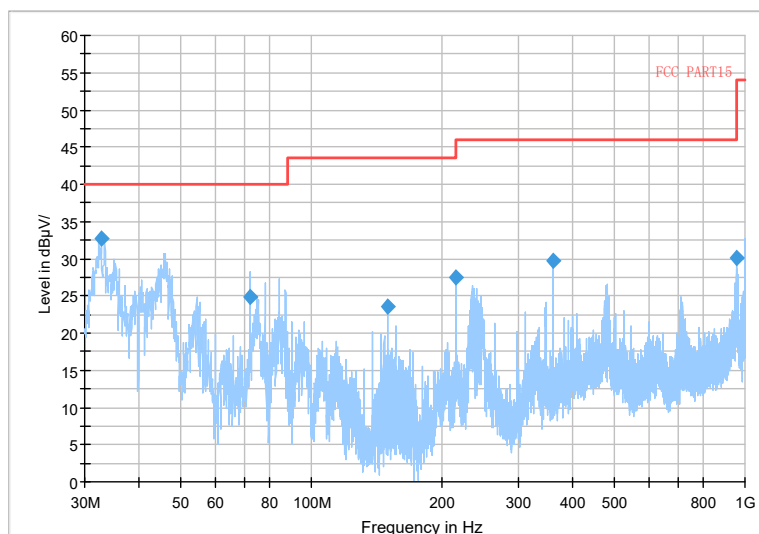
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



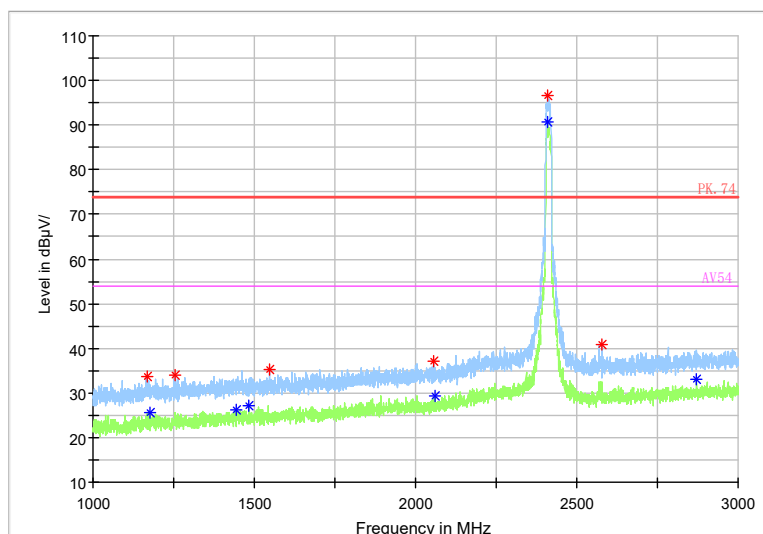
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



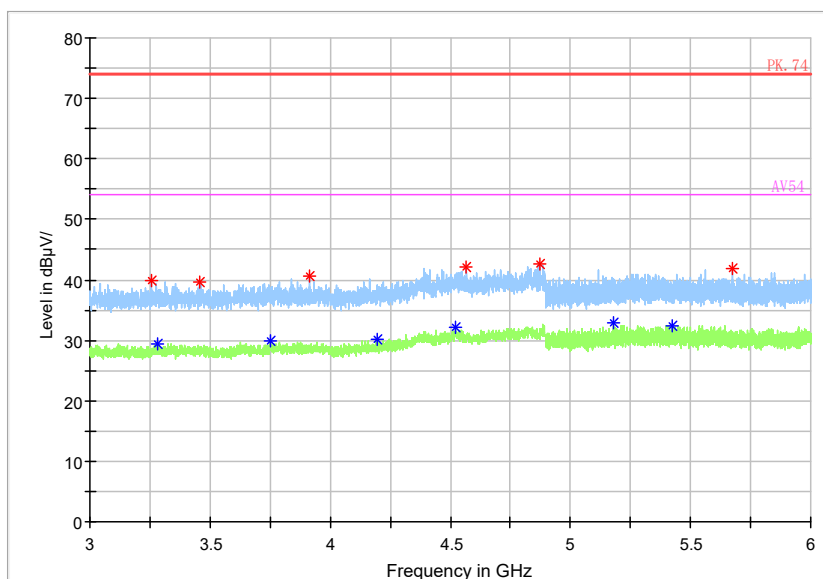
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



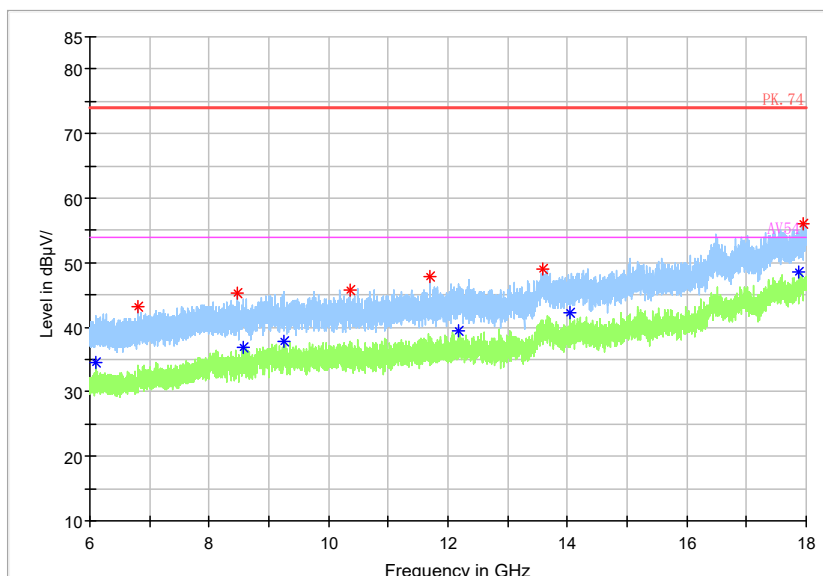
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



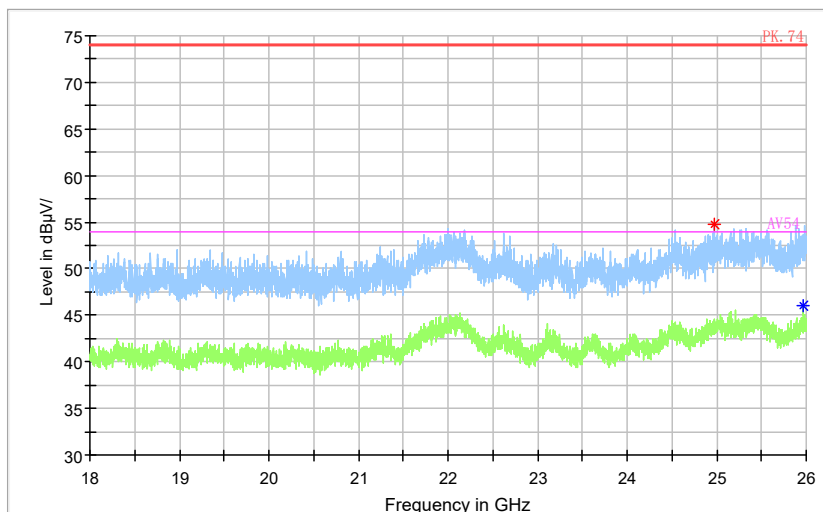
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



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

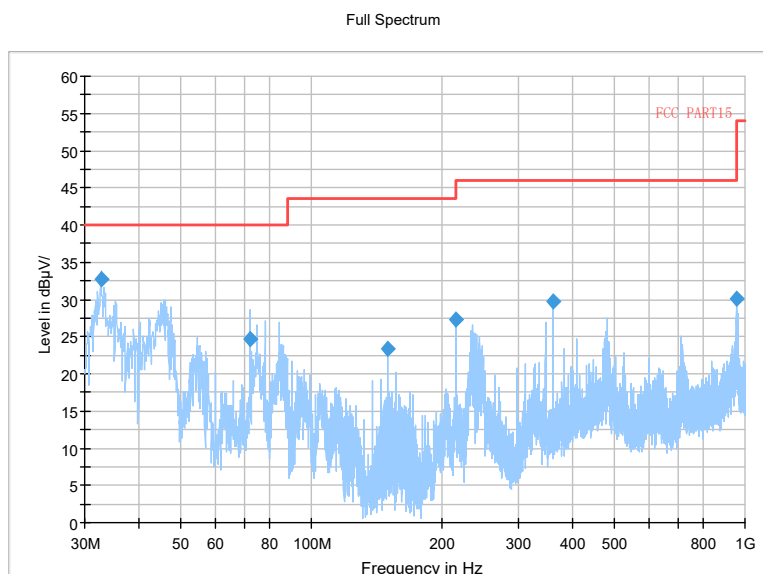
Full Spectrum



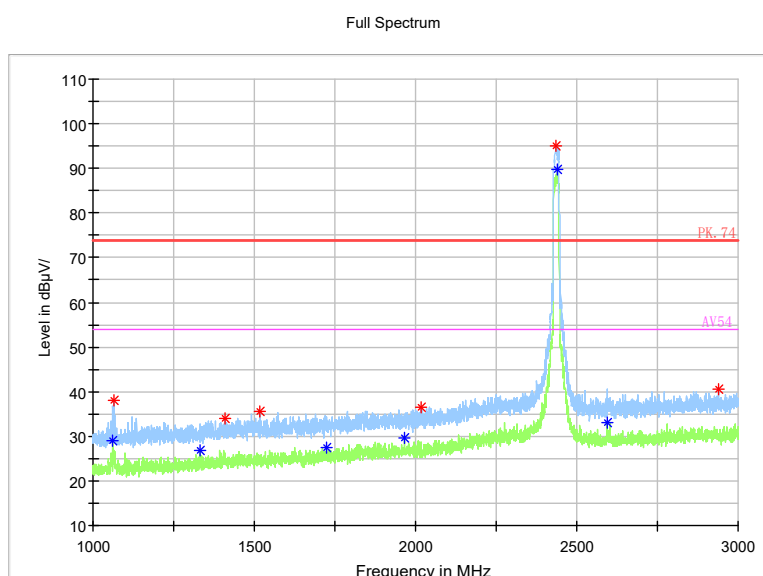
— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG
* Critical_Freqs PK+ — PK.74 — AV54
◆ Final_Result PK+ ◆ Final_Result AVG

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

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

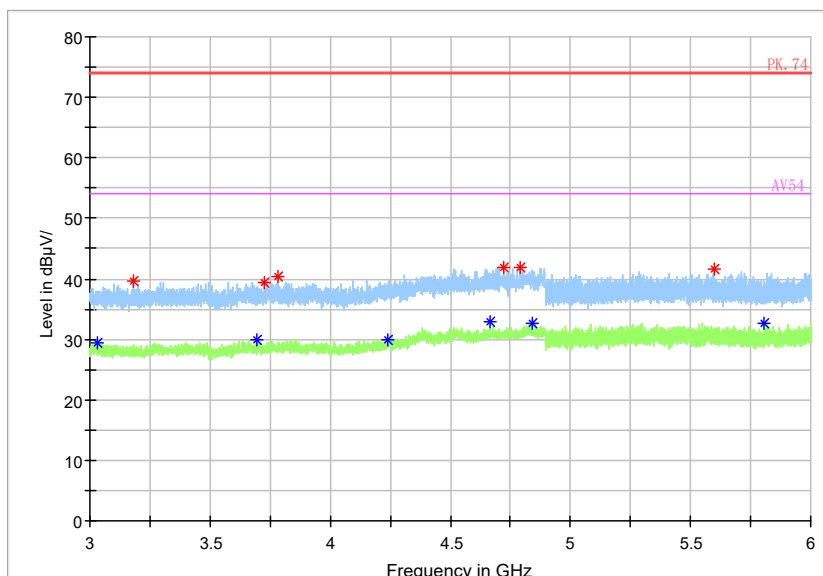


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b(Chain1)



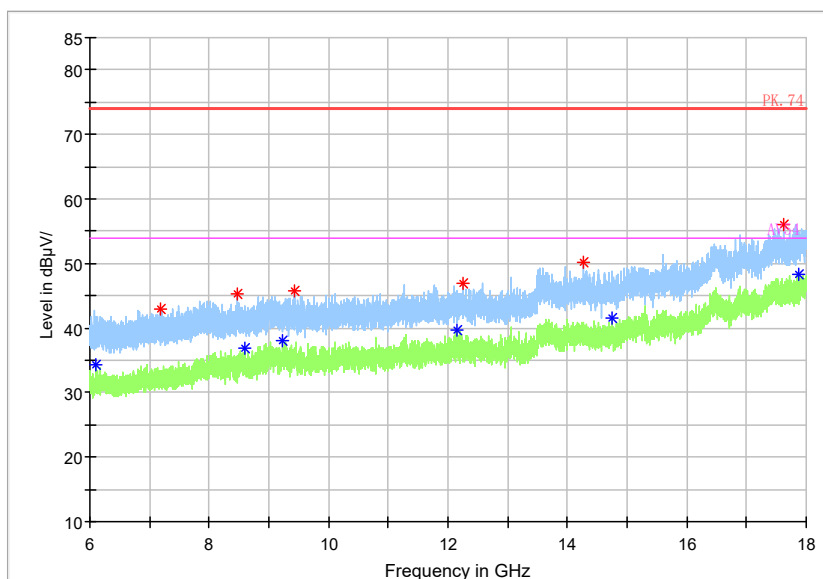
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



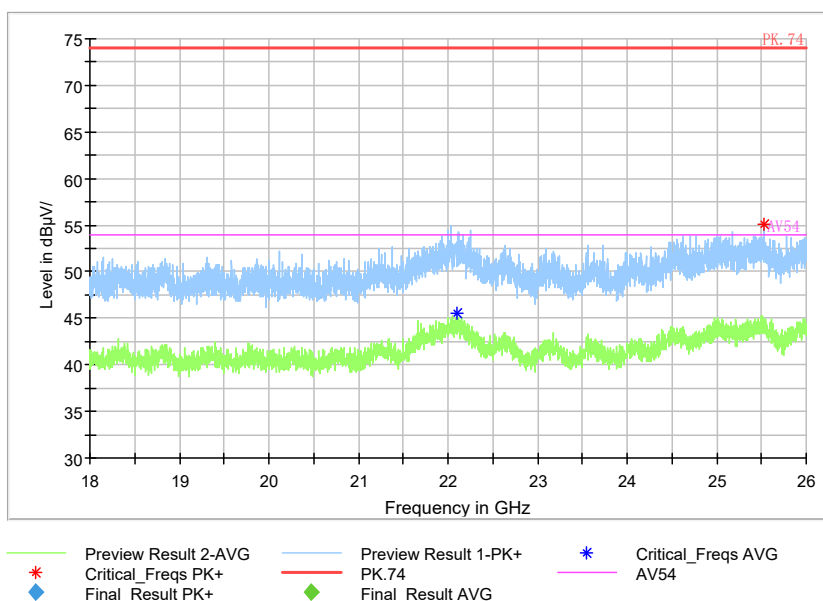
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



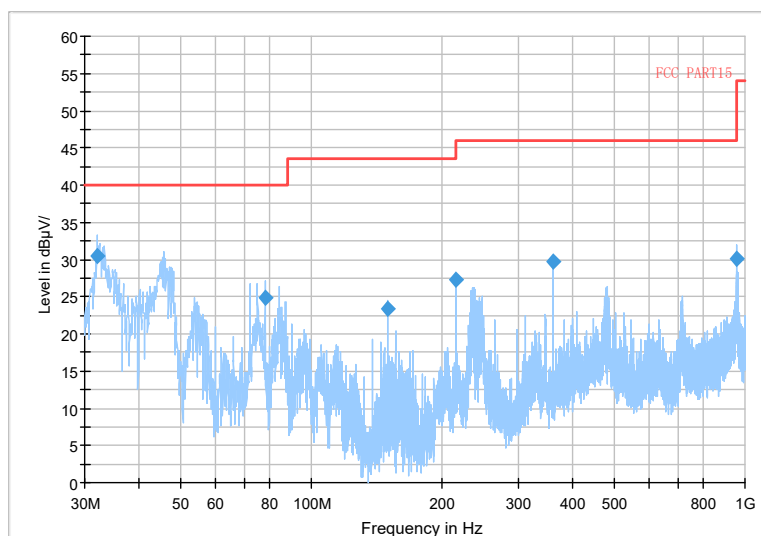
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



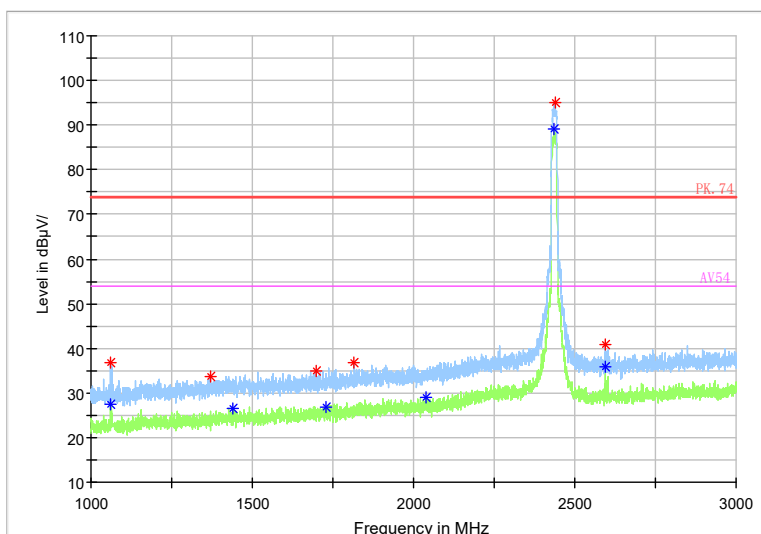
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



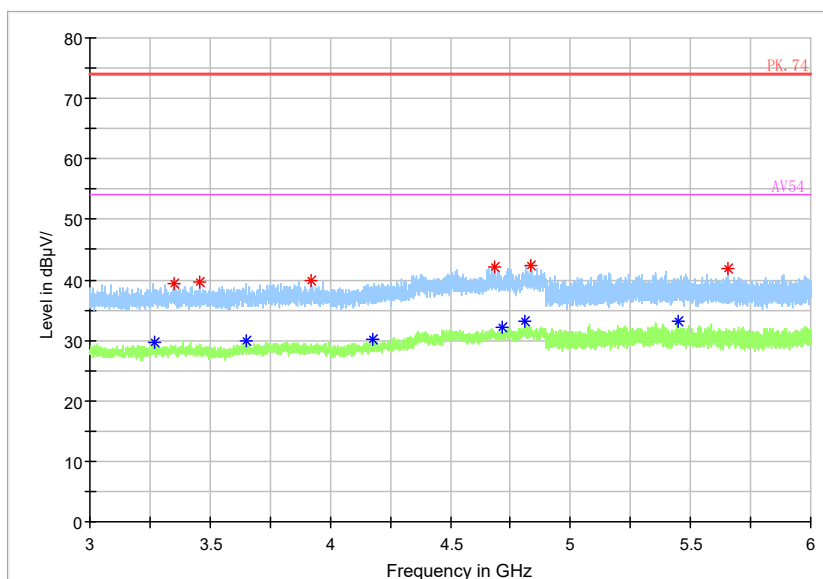
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g(Chain1)

Full Spectrum



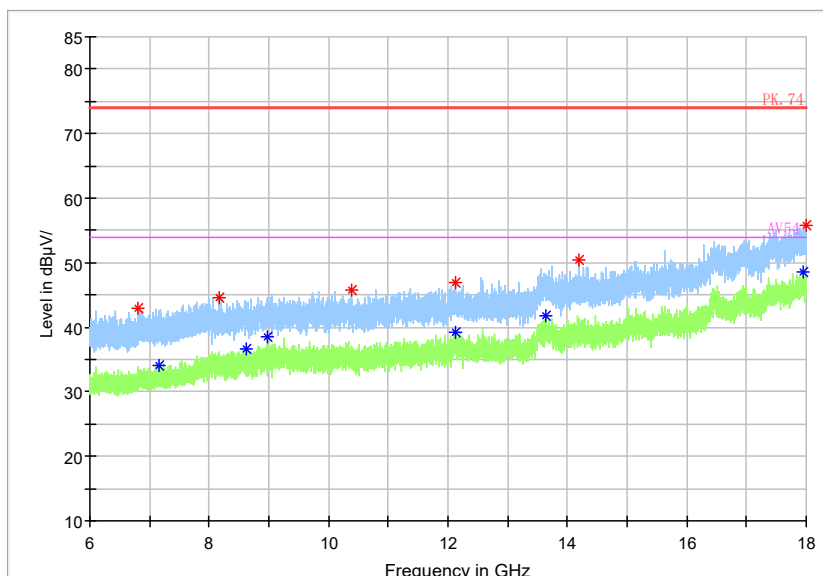
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



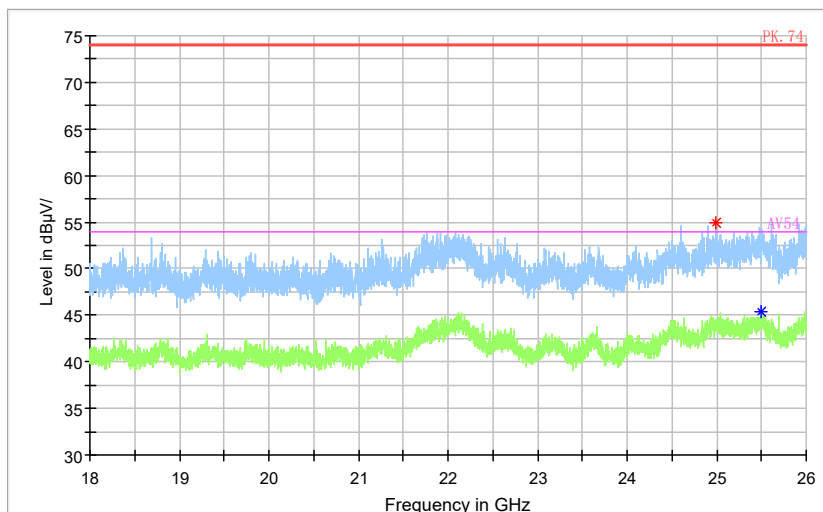
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

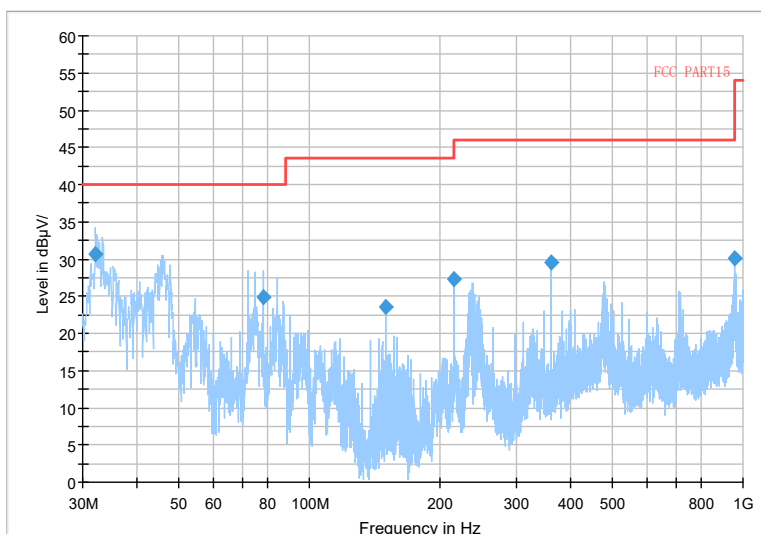
Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG
* Critical_Freqs PK+ — PK.74 — AV54
◆ Final_Result PK+ ◆ Final_Result AVG

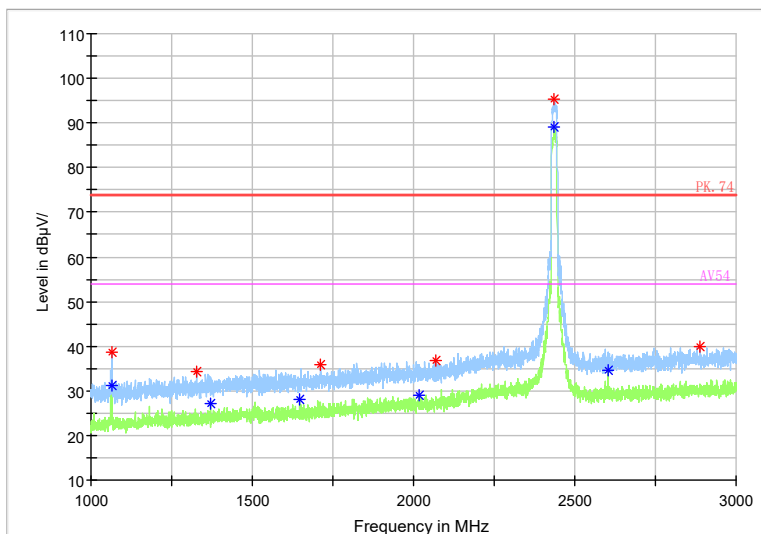
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



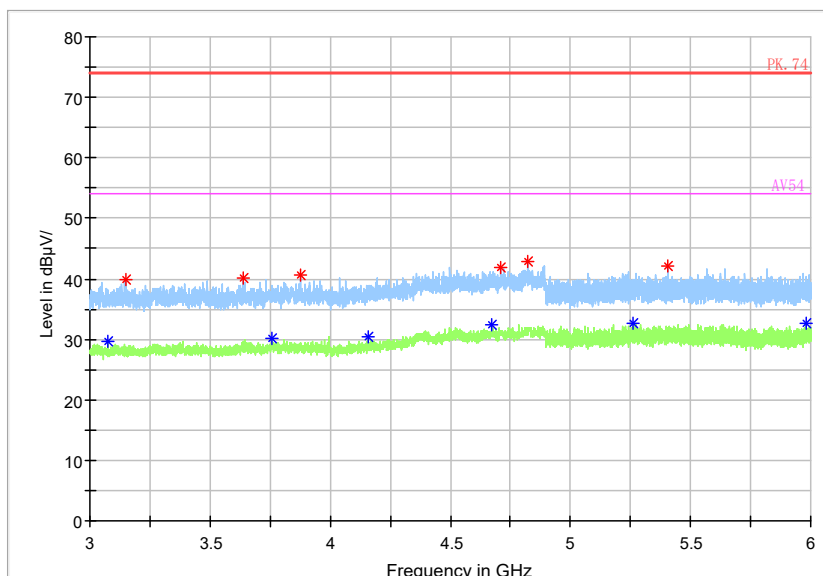
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



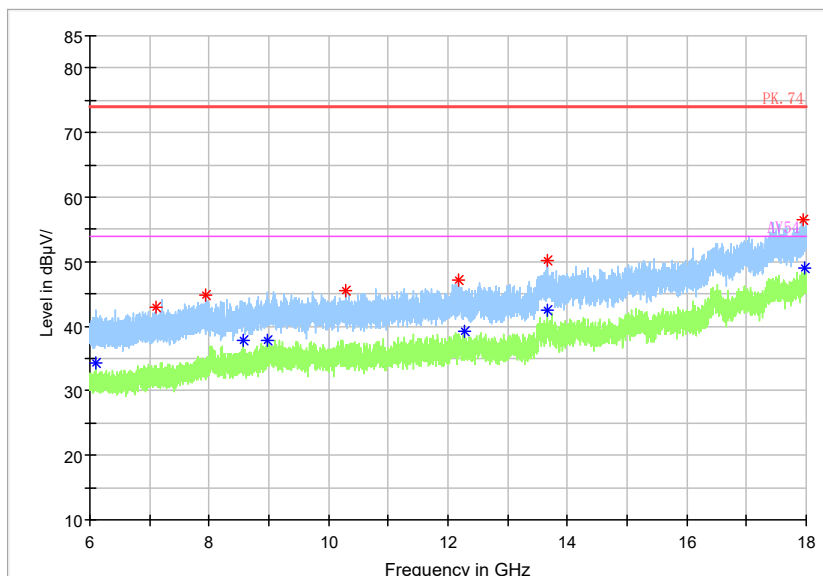
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



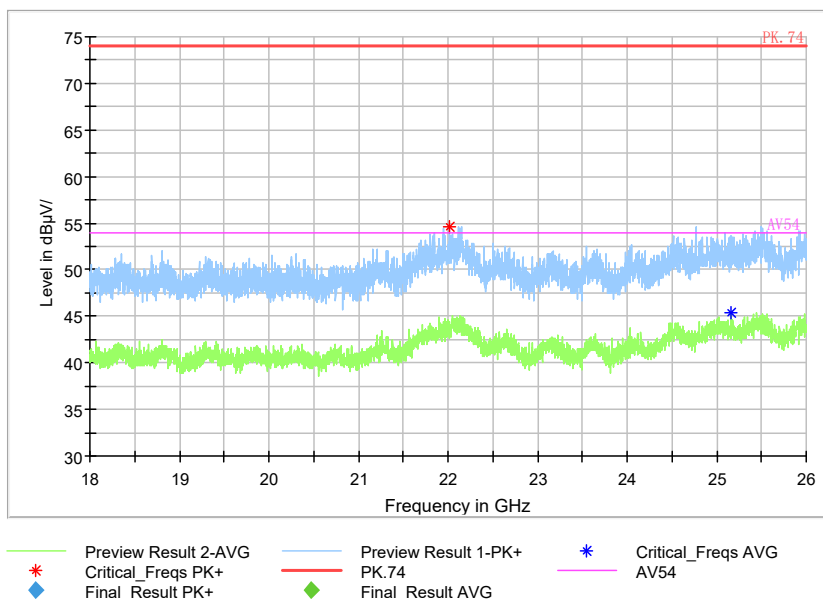
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



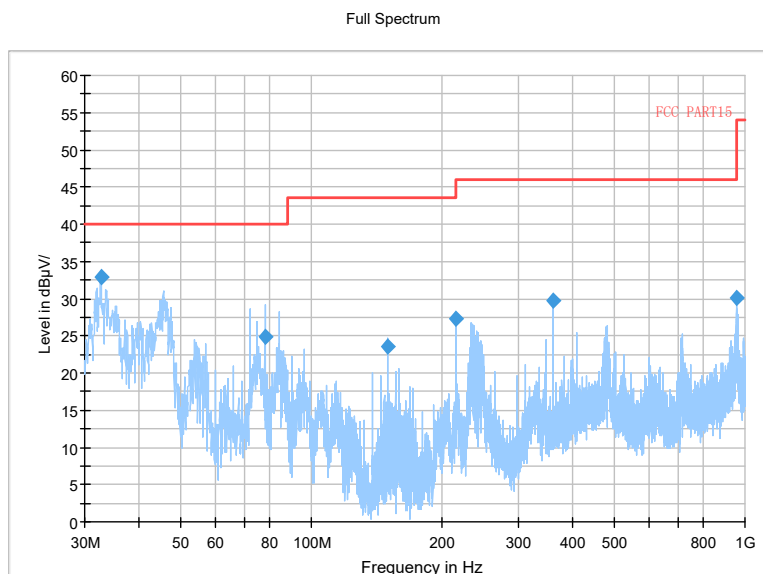
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum

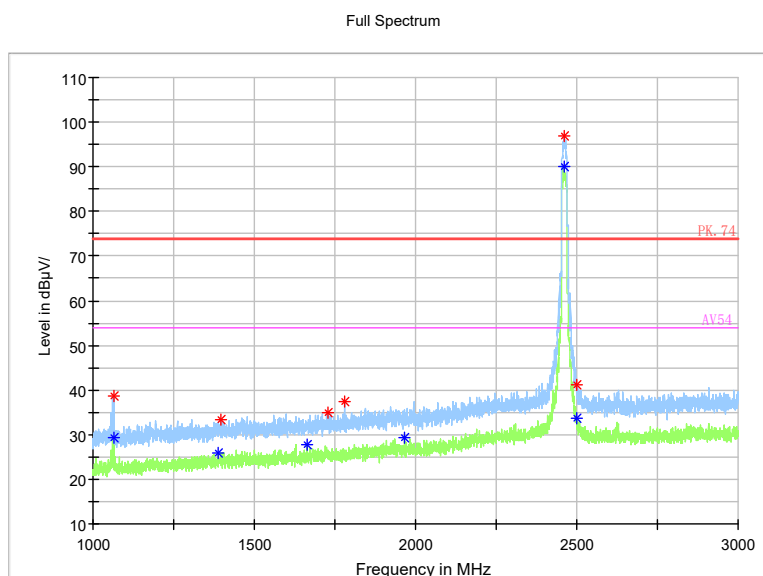


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

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

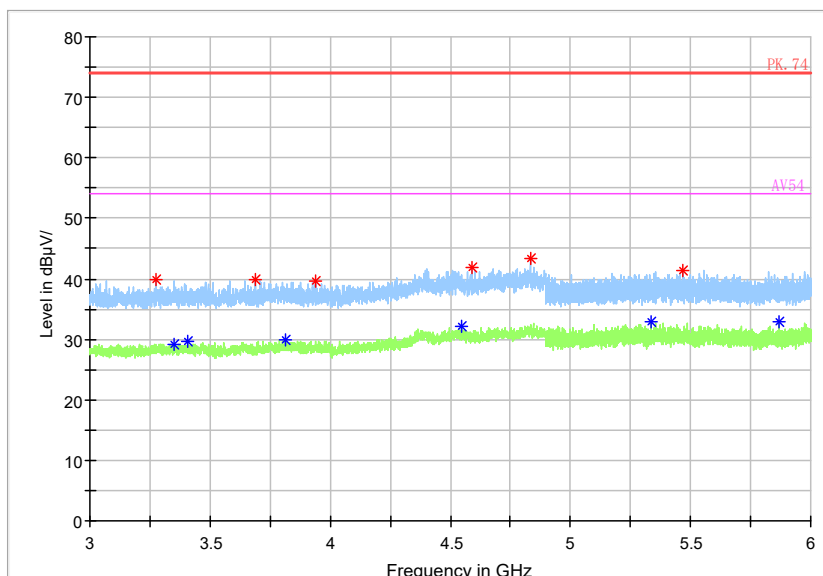


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b(Chain1)



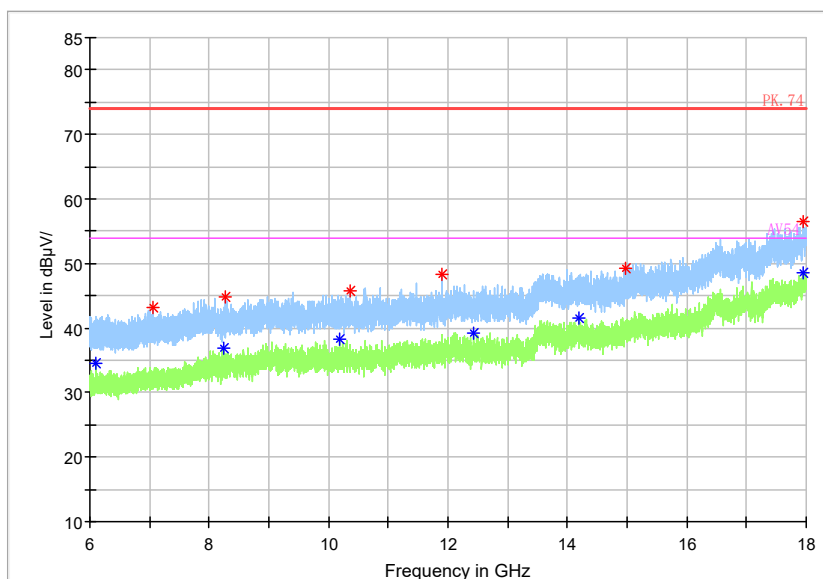
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



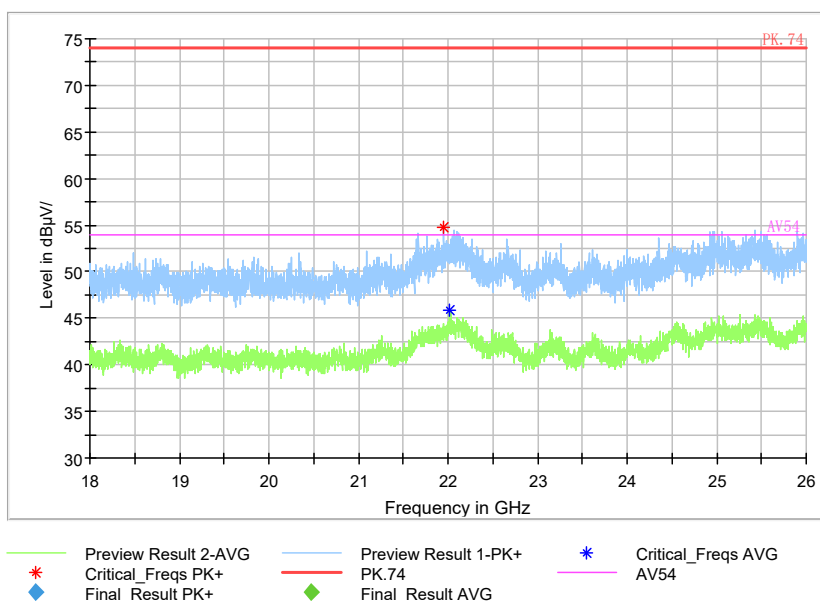
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



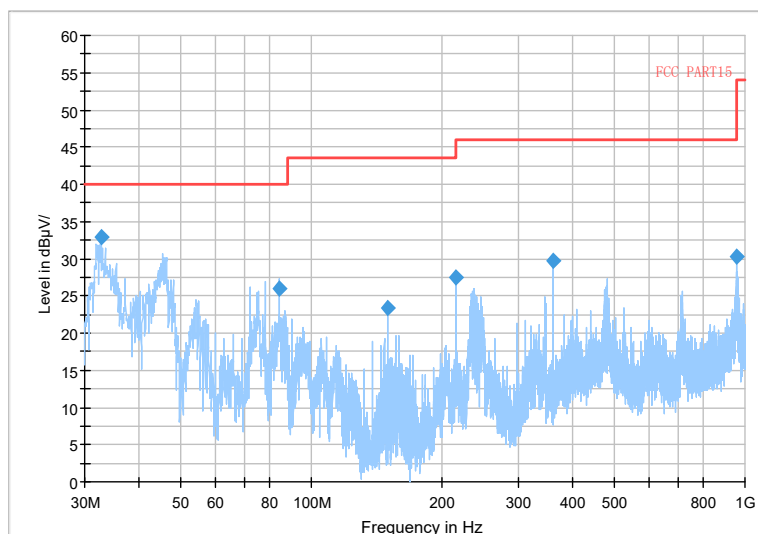
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



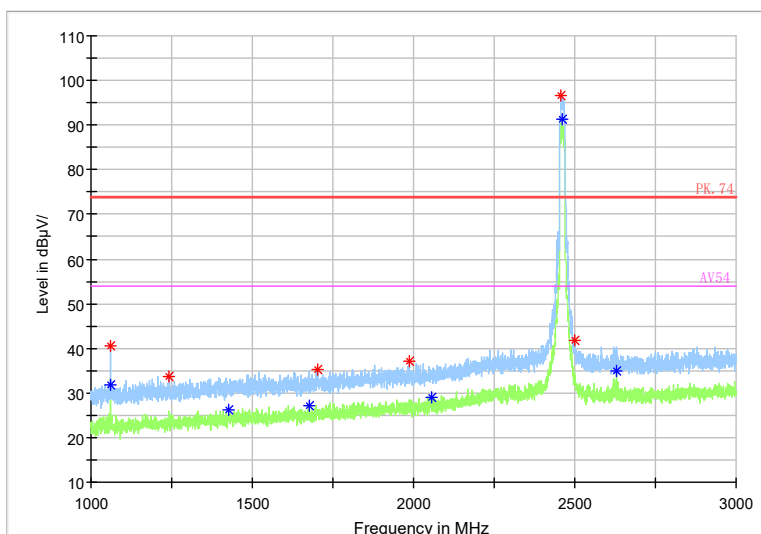
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(Chain1)

Full Spectrum



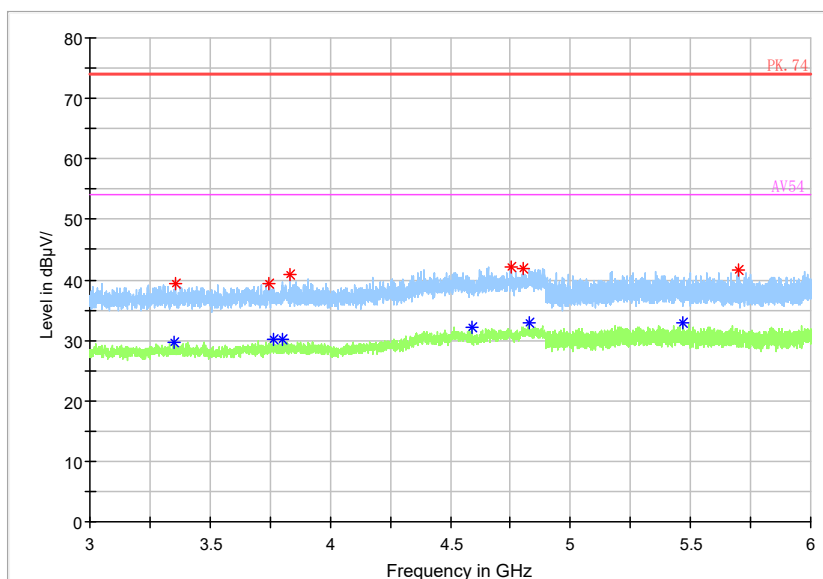
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g(Chain1)

Full Spectrum



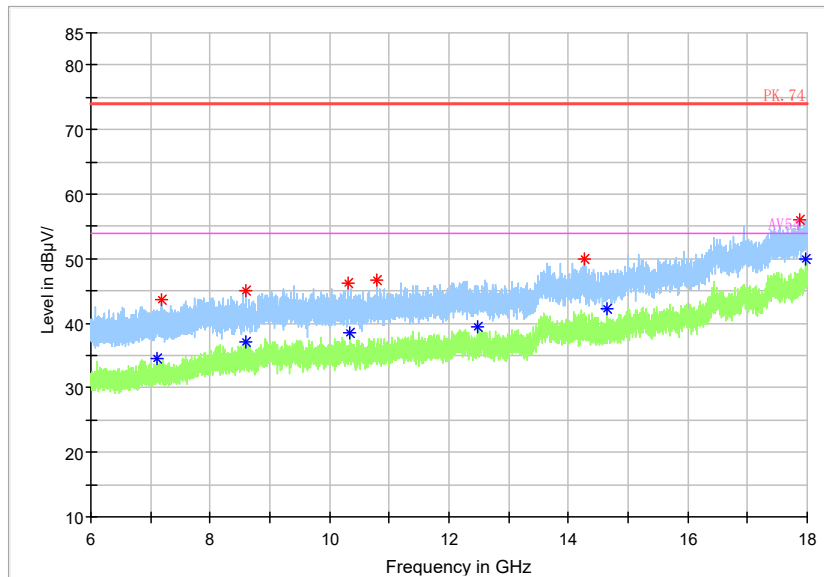
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



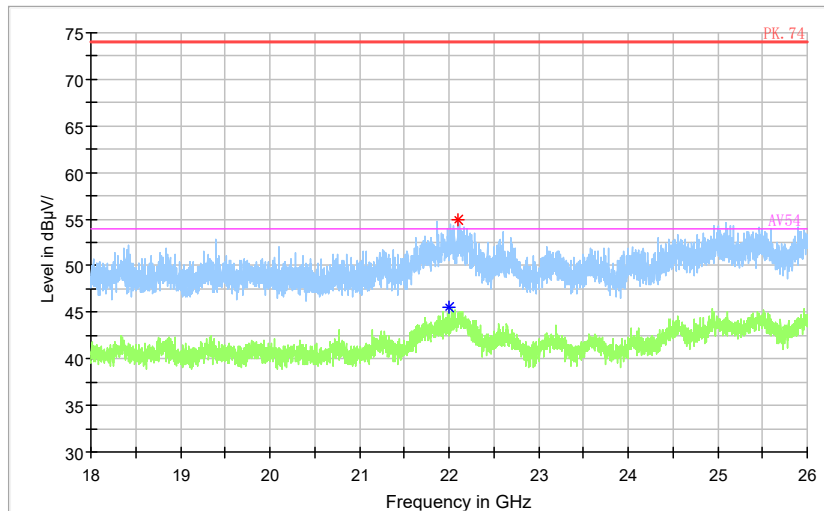
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

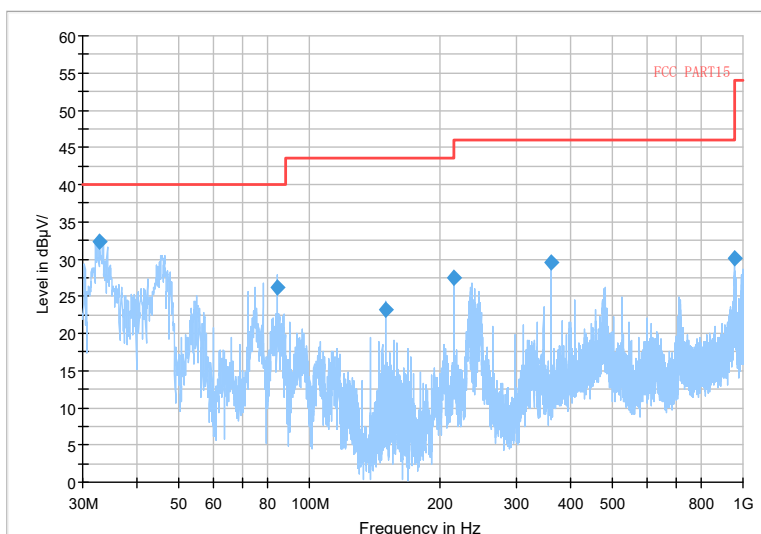
Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG
* Critical_Freqs PK+ — PK.74 — AV.54
◆ Final_Result PK+ ◆ Final_Result AVG

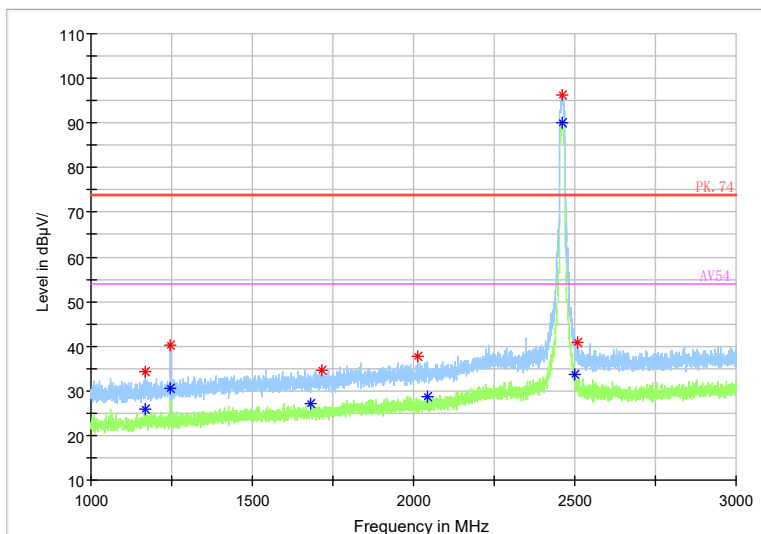
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g(Chain1)

Full Spectrum



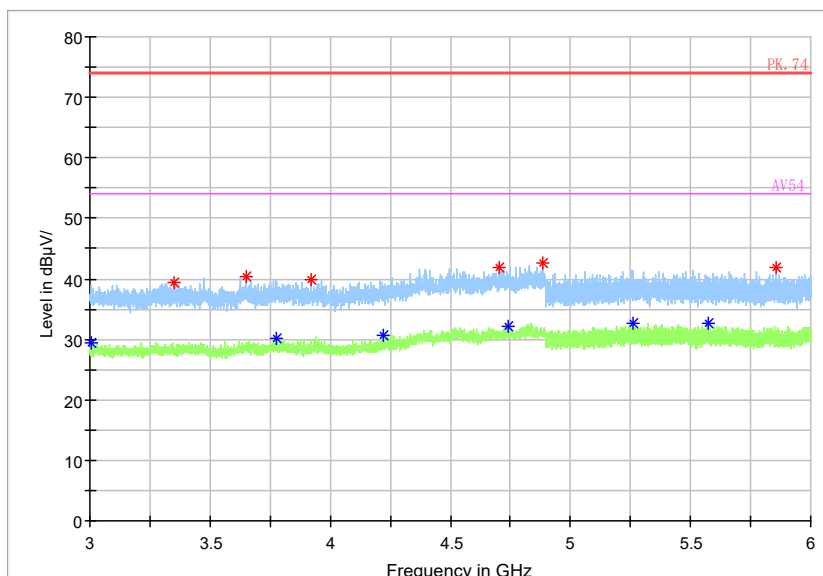
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



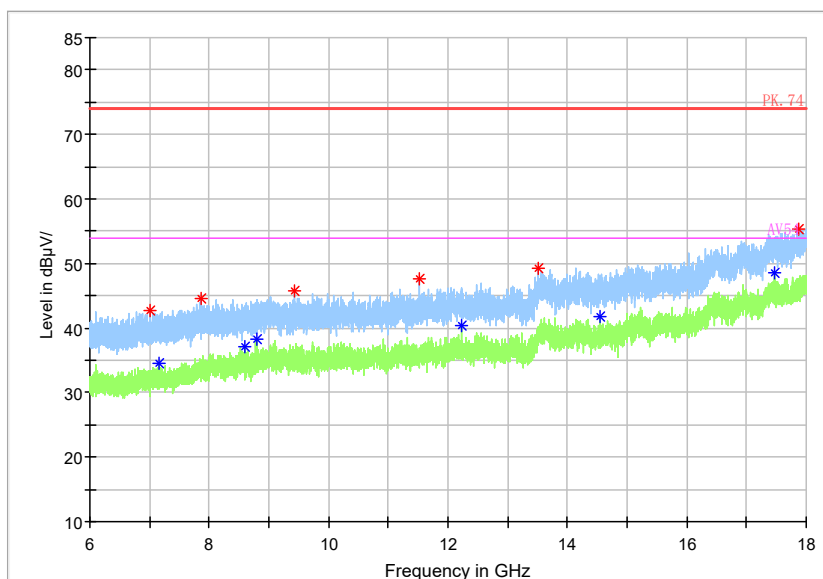
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



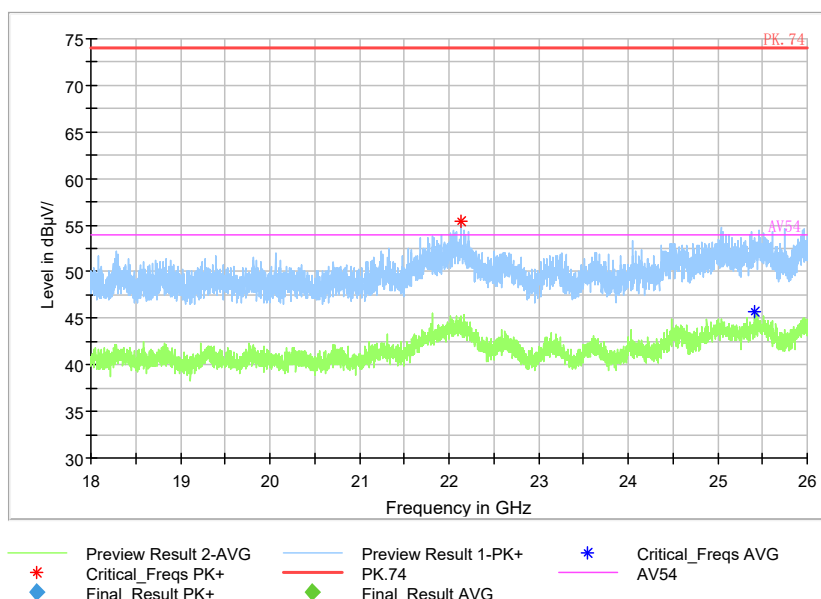
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

Full Spectrum



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

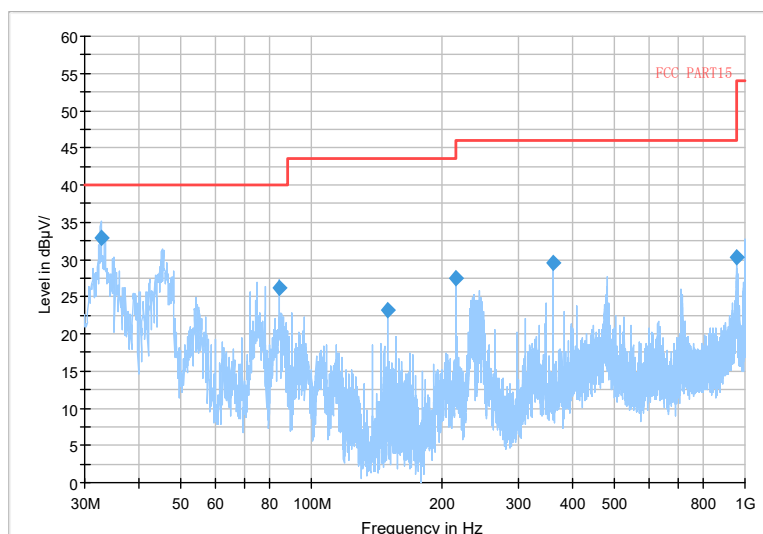
Full Spectrum



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

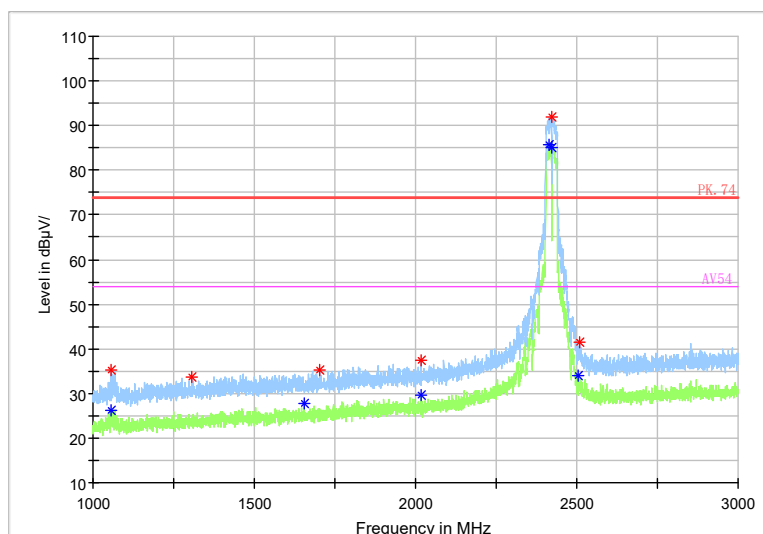
Carrier frequency (MHz): 2422
Channel No.:3

Full Spectrum



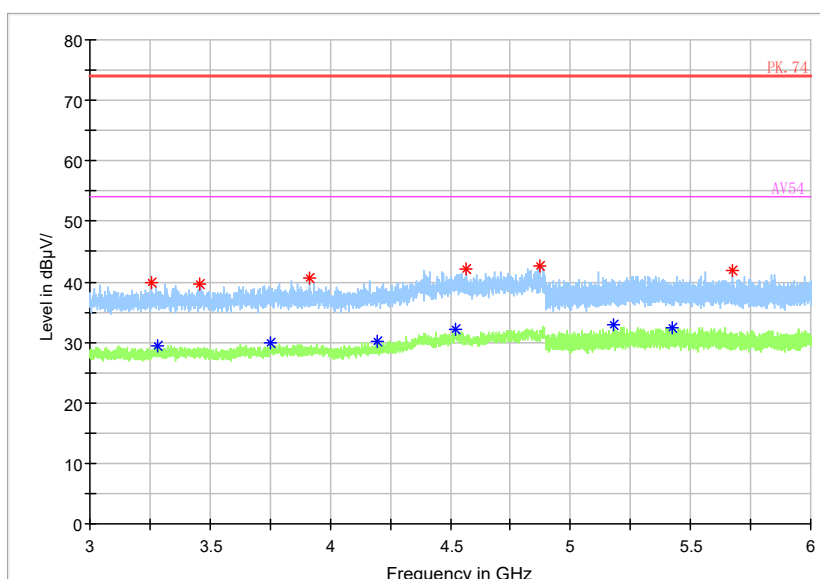
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum



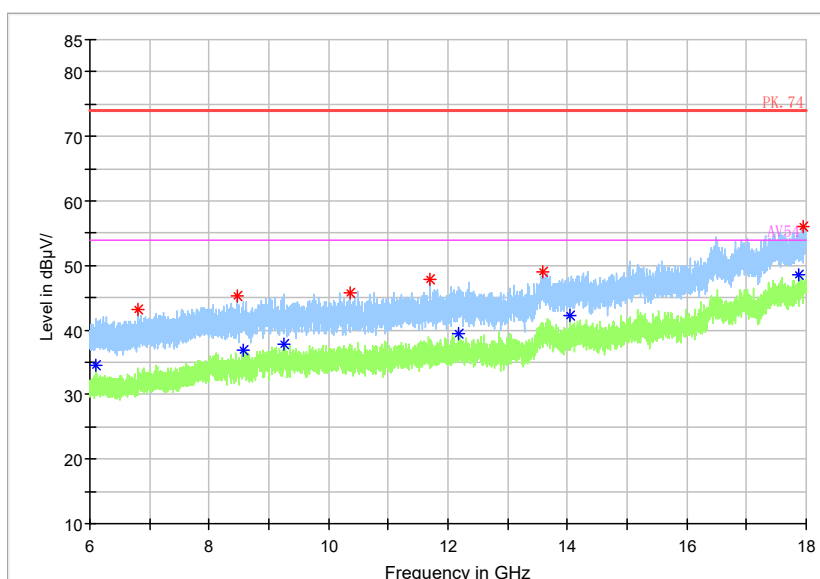
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum

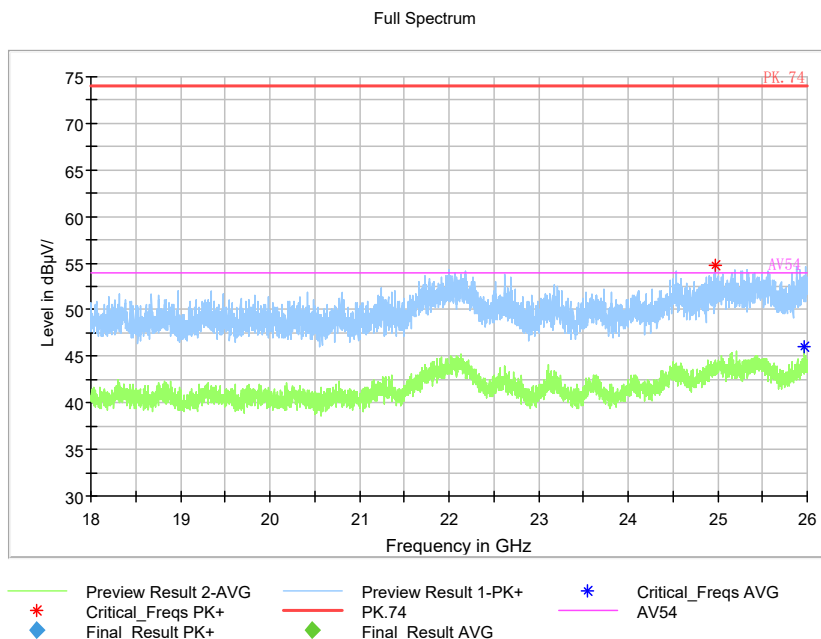


Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum

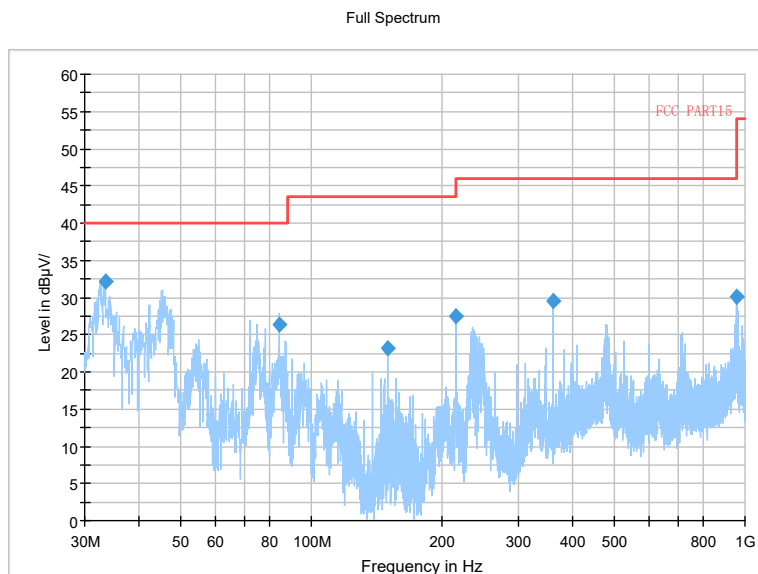


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)



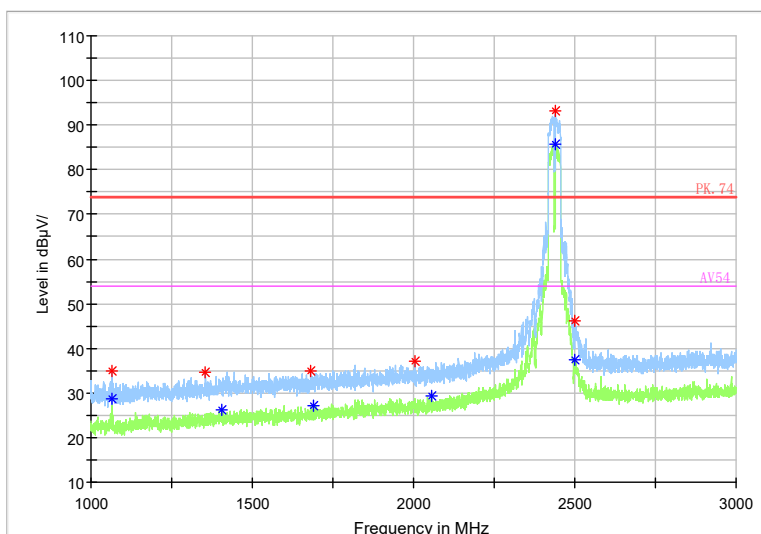
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

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



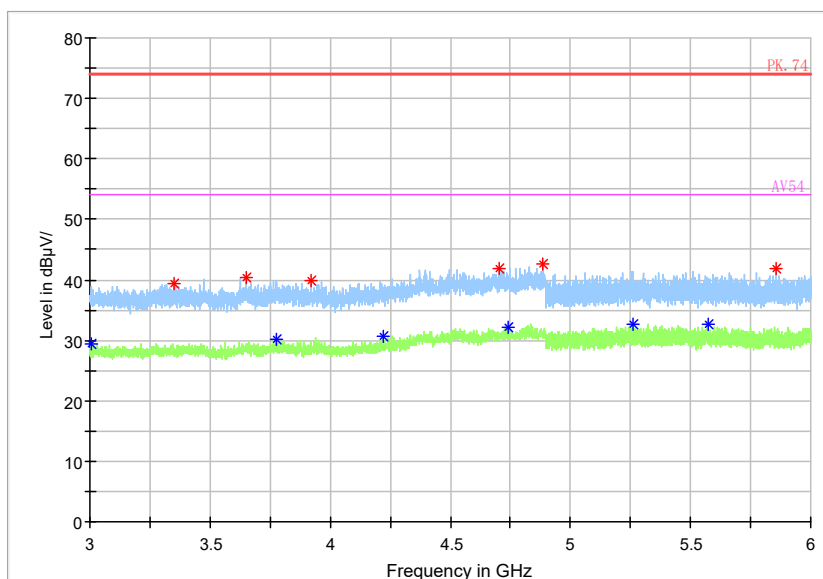
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum



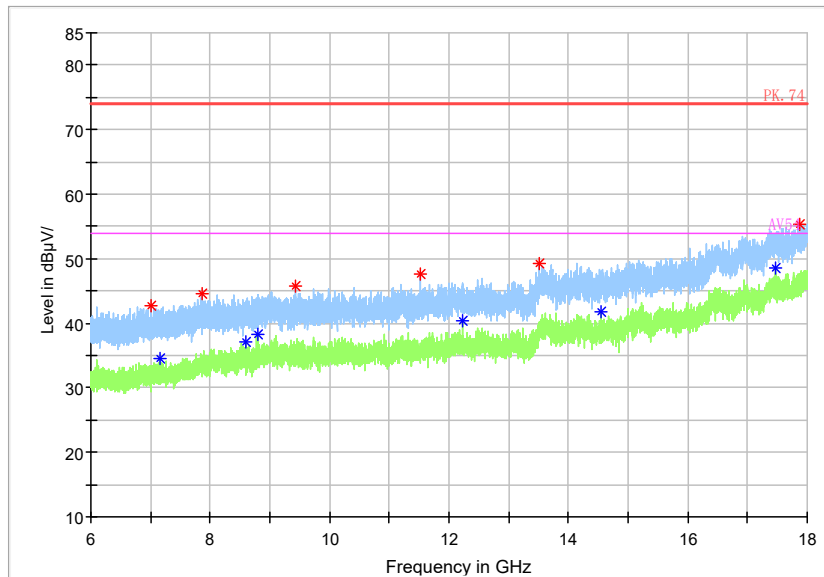
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum



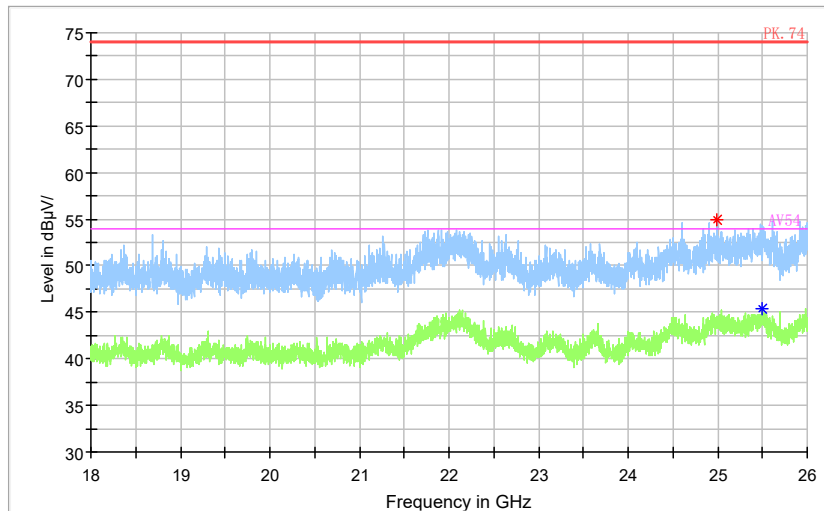
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum



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

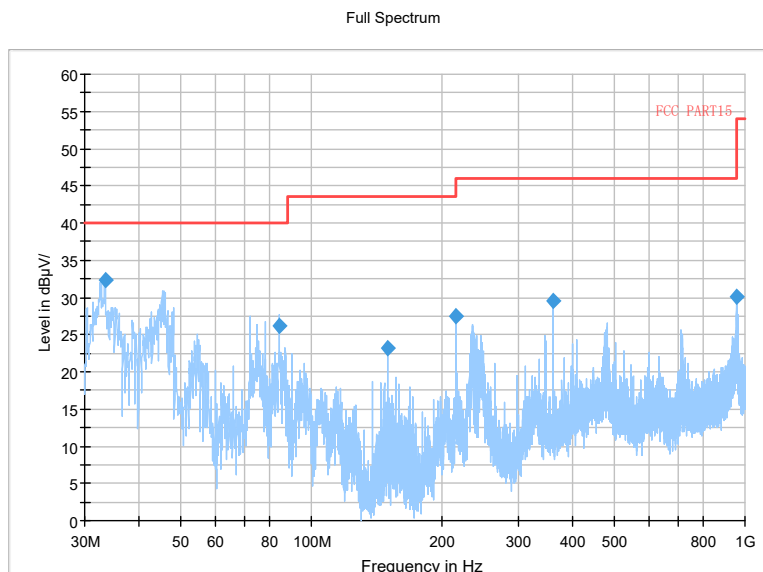
Full Spectrum



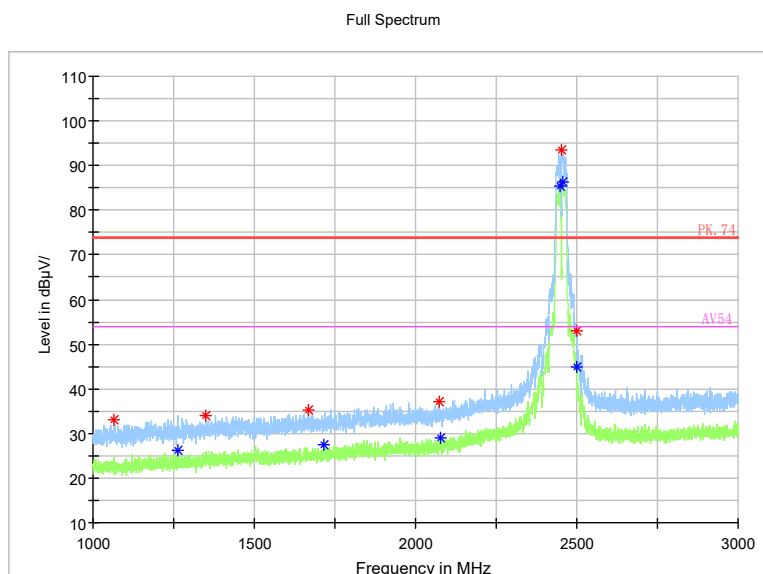
— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG
* Critical_Freqs PK+ — PK.74 — AV54
◆ Final_Result PK+ ◆ Final_Result AVG

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

Carrier frequency (MHz): 2452
Channel No.:9

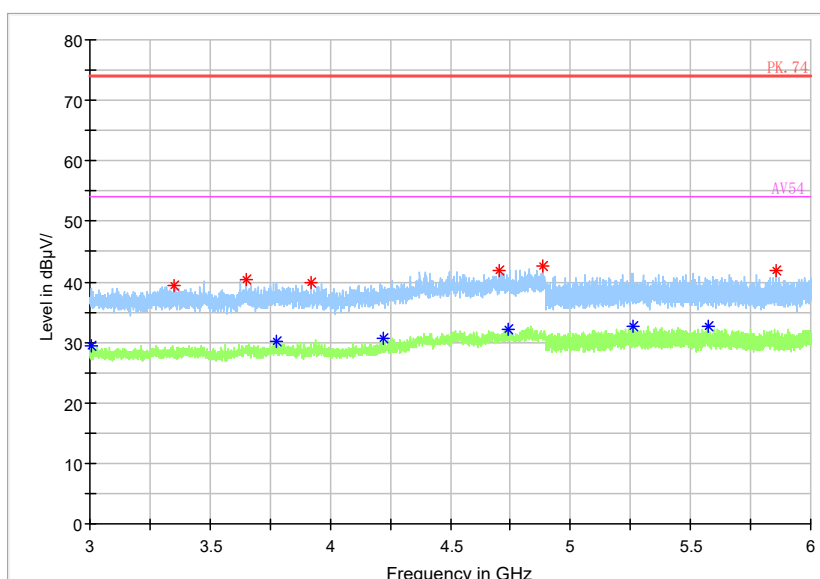


Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40 MIMO)



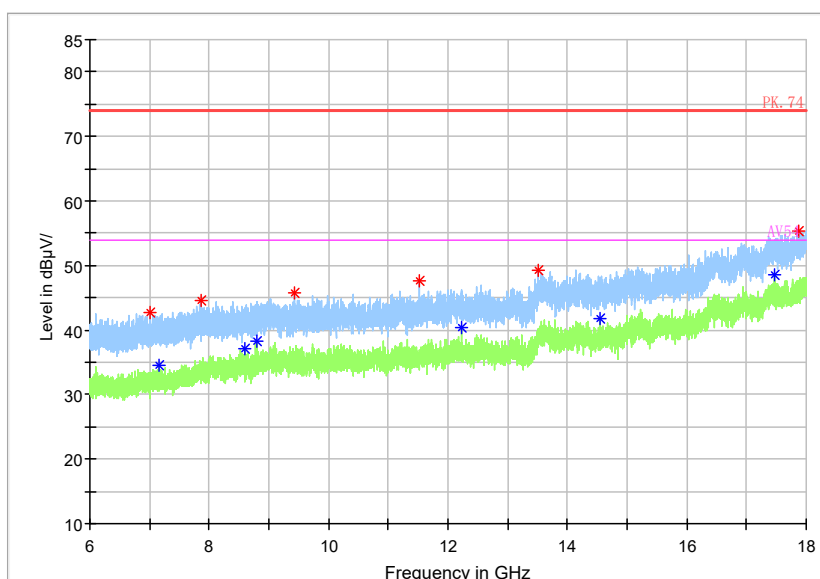
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum



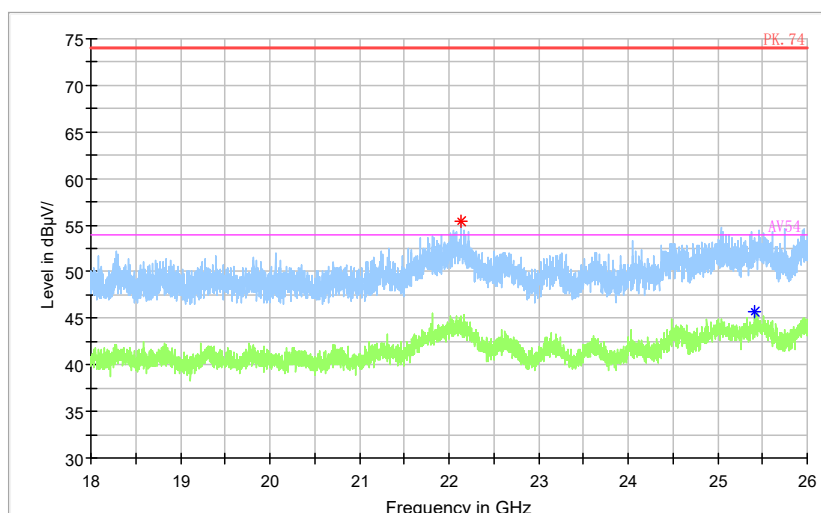
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40 MIMO)

Full Spectrum



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

Full Spectrum



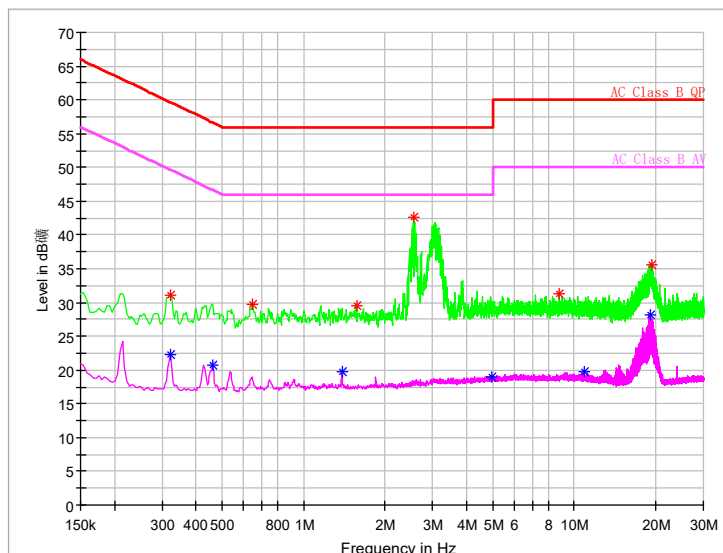
— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG
* Critical_Freqs PK+ — PK.74 * AV54
◆ Final_Result PK+ ◆ Final_Result AVG

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

AC Power line Conducted Emission(Computer power on+11n HT20 MIMO)

A "reference path loss" Corr.(dB) is established and the $L_{\text{cable}} + \text{ATT} + \text{VDF}$ 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:



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBμV)	Pmea Average (dBμV)
0.320571	31.01	---	59.69	28.68	L1	30.4	0.61	---
0.320571	---	22.25	49.69	27.45	L1	30.4	---	-8.15
0.461293	---	20.78	46.67	25.89	N	30.4	---	-9.62
0.648921	29.69	---	56.00	26.31	L1	30.4	-0.71	---
1.386643	---	19.67	46.00	26.33	L1	30.4	---	-10.73
1.570007	29.61	---	56.00	26.39	N	30.4	-0.79	---
2.546529	42.70	---	56.00	13.30	L1	30.4	12.3	---
4.985700	---	19.05	46.00	26.95	L1	30.4	---	-11.35
8.759593	31.37	---	60.00	28.63	L1	30.4	0.97	---
10.904529	---	19.70	50.00	30.30	L1	30.4	---	-10.7
19.143129	---	28.24	50.00	21.76	L1	30.3	---	-2.06
19.288114	35.62	---	60.00	24.38	L1	30.3	5.32	---

---End of the test report---