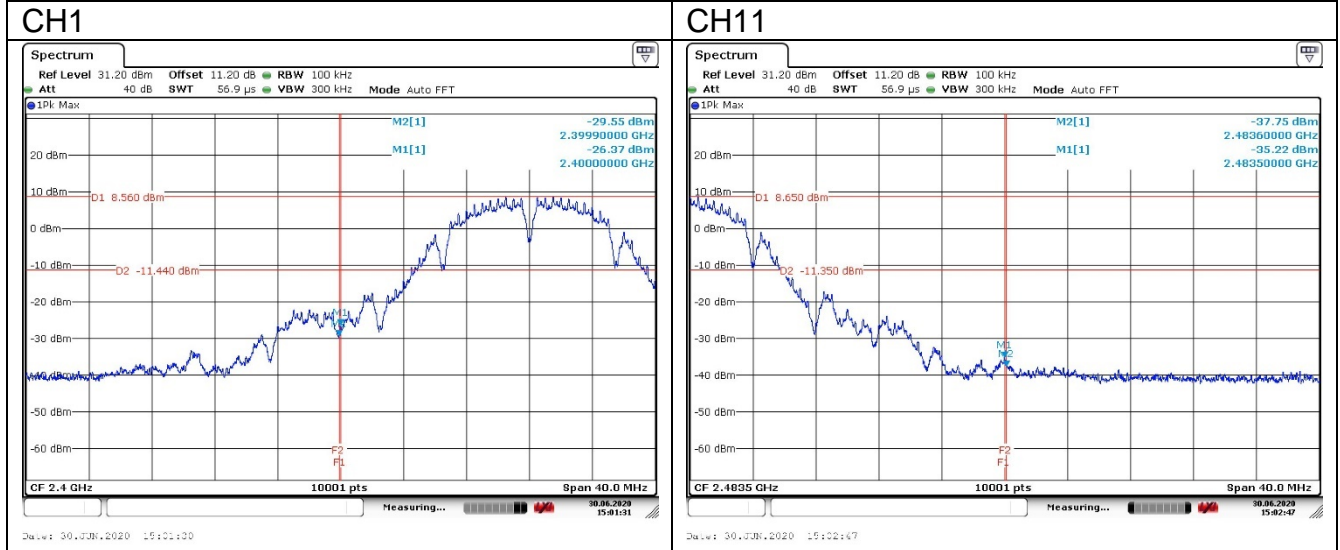


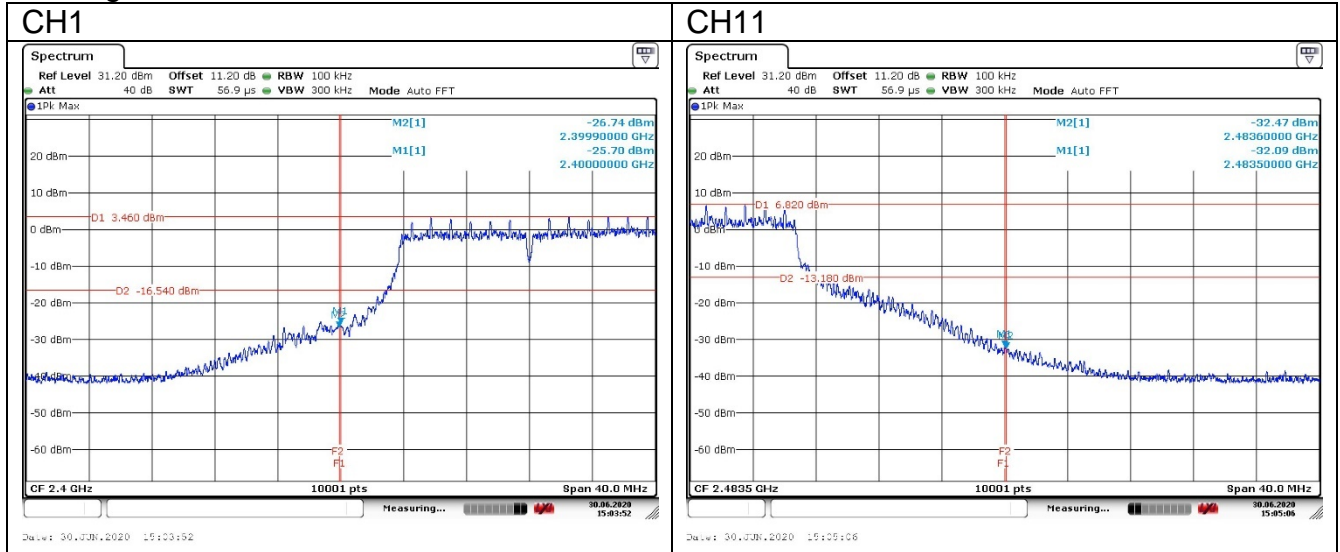
**Band edge measurement (RF Conducted measurement)**

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

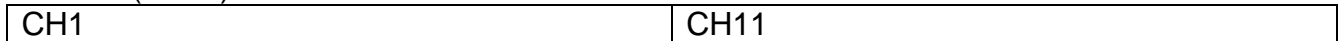
802.11b

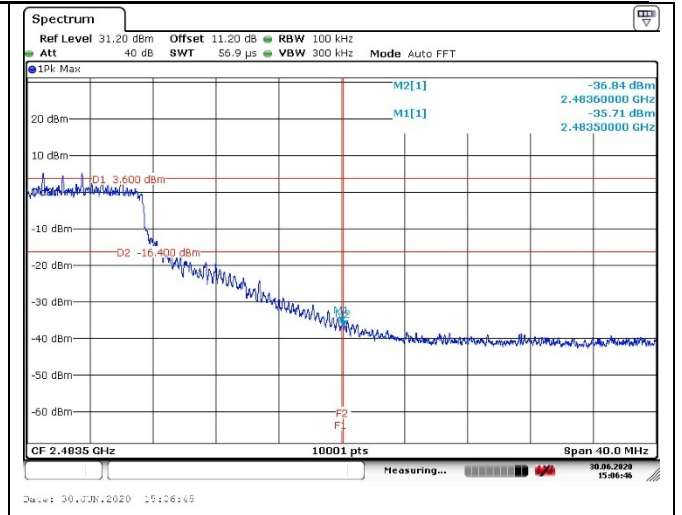
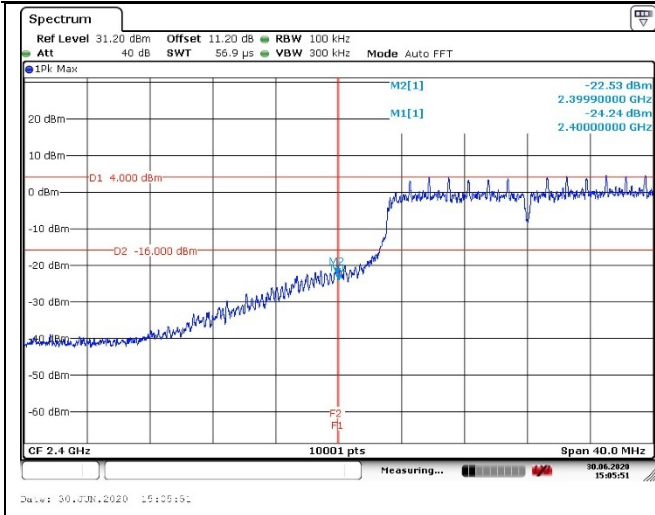


802.11g



802.11n (HT20)





## **APPENDIX B – TEST DATA OF RADIATED EMISSION**

### **Radiated Emission Band Edge**

The worst case attitude: The mobile lay down.  
The measurement results are obtained as described below:  
Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (102.23 dBuV/m) = (68.23 dBμV) + (8.90 dB) + (25.10 dB), the corresponding frequency is 2412MHz.

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)
1	2412	102.23	68.23	N/A	N/A	8.90	25.10
2	2390	48.62	14.62	-25.38	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)
1	2412	96.42	62.42	N/A	N/A	8.90	25.10
2	2390	44.49	10.49	-29.51	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)
1	2412	88.13	54.13	N/A	N/A	8.90	25.10
2	2390	37.27	3.27	-16.73	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)
1	2412	87.04	53.04	N/A	N/A	8.90	25.10
2	2390	36.71	2.71	-17.29	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)
1	2462	101.62	67.62	N/A	N/A	8.90	25.10
2	2483.5	50.37	16.37	-23.63	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)
1	2462	97.01	63.01	N/A	N/A	8.90	25.10
2	2483.5	47.20	13.20	-26.80	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)
1	2462	90.58	56.58	N/A	N/A	8.90	25.10
2	2483.5	37.59	3.59	-16.41	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)
1	2462	83.88	49.88	N/A	N/A	8.90	25.10
2	2483.5	36.06	2.06	-17.94	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)
1	2412	103.01	69.01	N/A	N/A	8.90	25.10
2	2390	50.48	16.48	-23.52	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)
1	2412	97.98	63.98	N/A	N/A	8.90	25.10
2	2390	46.89	12.89	-27.11	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)
1	2412	91.13	57.13	N/A	N/A	8.90	25.10
2	2390	39.06	5.06	-14.94	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)
1	2412	87.75	53.75	N/A	N/A	8.90	25.10
2	2390	38.14	4.14	-15.86	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)
1	2462	102.34	68.34	N/A	N/A	8.90	25.10
2	2483.5	50.14	16.14	-23.86	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)
1	2462	97.95	63.95	N/A	N/A	8.90	25.10
2	2483.5	47.84	13.84	-26.16	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)
1	2462	88.44	54.44	N/A	N/A	8.90	25.10
2	2483.5	38.86	4.86	-15.14	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)
1	2462	86.23	52.23	N/A	N/A	8.90	25.10
2	2483.5	37.16	3.16	-16.84	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)
1	2412	101.65	67.65	N/A	N/A	8.90	25.10
2	2390	50.40	16.40	-23.60	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)
1	2412	97.71	63.71	N/A	N/A	8.90	25.10
2	2390	44.52	10.52	-29.48	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)
1	2412	91.11	57.11	N/A	N/A	8.90	25.10
2	2390	38.55	4.55	-15.45	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)
1	2412	85.35	51.35	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): 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)
1	2462	101.33	67.33	N/A	N/A	8.90	25.10
2	2483.5	51.10	17.10	-22.90	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)
1	2462	96.11	62.11	N/A	N/A	8.90	25.10
2	2483.5	44.97	10.97	-29.03	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)
1	2462	87.05	53.05	N/A	N/A	8.90	25.10
2	2483.5	37.07	3.07	-16.93	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)
1	2462	87.28	53.28	N/A	N/A	8.90	25.10
2	2483.5	37.36	3.36	-16.64	54.00	8.90	25.10

## 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:  $(16.49 \text{ dB}\mu\text{V/m}) = (33.69 \text{ dB}\mu\text{V}) + (-17.2 \text{ dB/m})$ , the corresponding frequency is 50.903500MHz.

The worst case attitude: The mobile lay down.

#### For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
50.903500	16.49	-17.2	33.69	Vertical	40.00
77.675500	20.69	-23.4	44.09	Vertical	40.00
126.369500	24.86	-21.0	45.86	Vertical	43.50
126.854500	24.95	-21.1	46.05	Vertical	43.50
127.145500	23.89	-21.1	44.99	Vertical	43.50
127.388000	22.40	-21.1	43.5	Vertical	43.50

#### For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
50.903500	18.00	-17.2	35.2	Vertical	40.00
54.686500	17.88	-17.7	35.58	Vertical	40.00
55.414000	20.57	-17.8	38.37	Vertical	40.00
75.105000	19.84	-22.8	42.64	Vertical	40.00
76.123500	19.55	-23.1	42.65	Vertical	40.00
78.209000	20.09	-23.5	43.59	Vertical	40.00

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

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
50.370000	18.05	-17.2	35.25	Vertical	40.00
54.929000	19.22	-17.8	37.02	Vertical	40.00
74.038000	19.69	-22.6	42.29	Vertical	40.00
76.705500	20.57	-23.2	43.77	Vertical	40.00
77.336000	20.96	-23.3	44.26	Vertical	40.00
78.888000	19.84	-23.7	43.54	Vertical	40.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
50.952000	17.97	-17.2	35.17	Vertical	40.00
78.112000	20.24	-23.5	43.74	Vertical	40.00
127.097000	22.42	-21.1	43.52	Vertical	43.50
127.388000	22.72	-21.1	43.82	Vertical	43.50
159.592000	21.34	-21.2	42.54	Vertical	43.50
160.077000	21.34	-21.2	42.54	Vertical	43.50

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
52.358500	17.56	-17.4	34.96	Vertical	40.00
55.123000	18.92	-17.8	36.72	Vertical	40.00
77.287500	20.95	-23.3	44.25	Vertical	40.00
78.306000	20.41	-23.6	44.01	Vertical	40.00
126.951500	25.35	-21.1	46.45	Vertical	43.50
127.291000	25.16	-21.1	46.26	Vertical	43.50

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
55.220000	19.08	-17.8	36.88	Vertical	40.00
125.787500	23.32	-21.0	44.32	Vertical	43.50
126.369500	22.99	-21.0	43.99	Vertical	43.50
126.466500	22.48	-21.0	43.48	Vertical	43.50
127.000000	22.42	-21.1	43.52	Vertical	43.50
127.485000	22.39	-21.1	43.49	Vertical	43.50

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
56.432500	18.61	-17.9	36.51	Vertical	40.00
74.086500	19.03	-22.6	41.63	Vertical	40.00
74.668500	19.63	-22.7	42.33	Vertical	40.00
75.638500	19.01	-22.9	41.91	Vertical	40.00
77.093500	20.63	-23.3	43.93	Vertical	40.00
77.772500	20.15	-23.4	43.55	Vertical	40.00

For 802.11g Channel No.:11

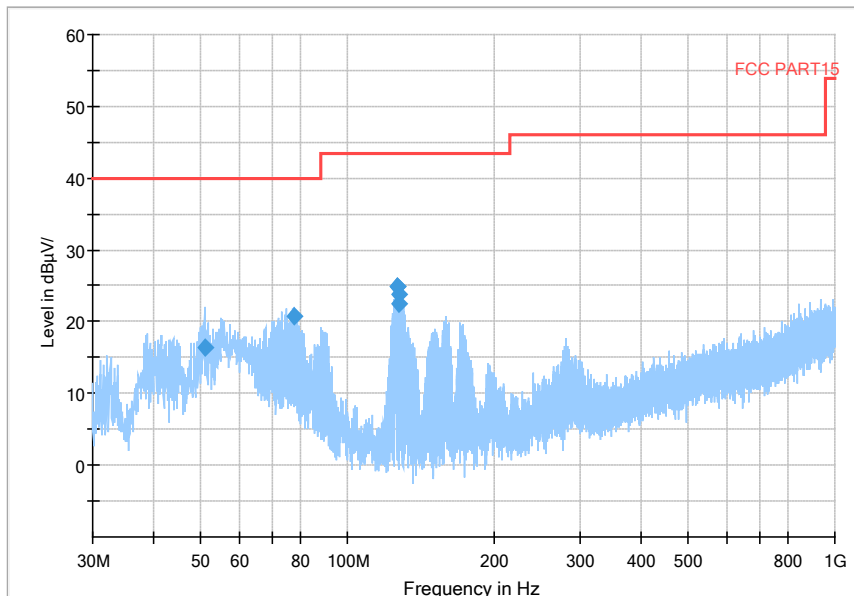
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
77.724000	20.84	-23.4	44.24	Vertical	40.00
126.369500	22.11	-21.0	43.11	Vertical	43.50
126.854500	22.45	-21.1	43.55	Vertical	43.50
127.000000	22.71	-21.1	43.81	Vertical	43.50
127.388000	22.48	-21.1	43.58	Vertical	43.50
127.630500	22.47	-21.1	43.57	Vertical	43.50

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
55.511000	20.13	-17.8	37.93	Vertical	40.00
75.008000	19.28	-22.8	42.08	Vertical	40.00
75.978000	19.09	-23.0	42.09	Vertical	40.00
77.578500	20.45	-23.4	43.85	Vertical	40.00
126.612000	22.58	-21.1	43.68	Vertical	43.50
127.582000	22.44	-21.1	43.54	Vertical	43.50

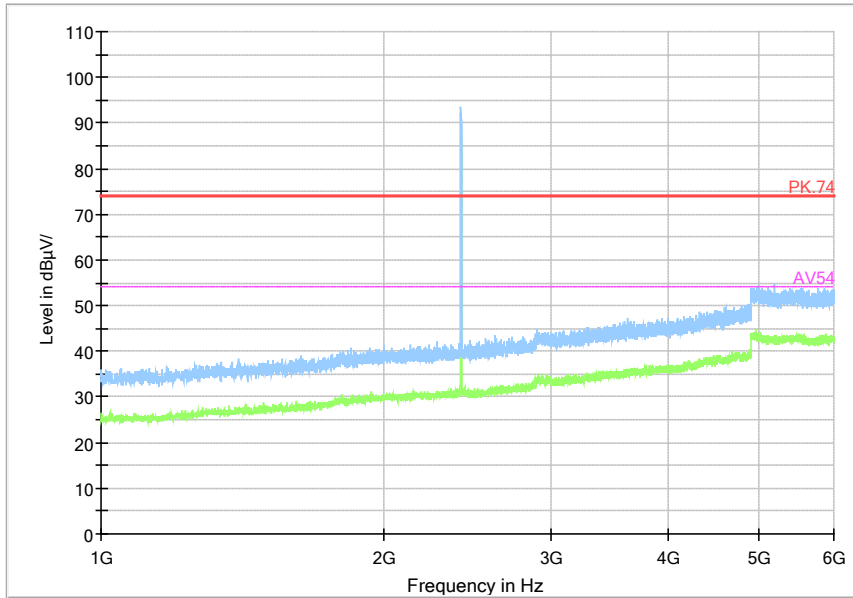
Carrier frequency (MHz): 2412  
Channel No.:1

Full Spectrum



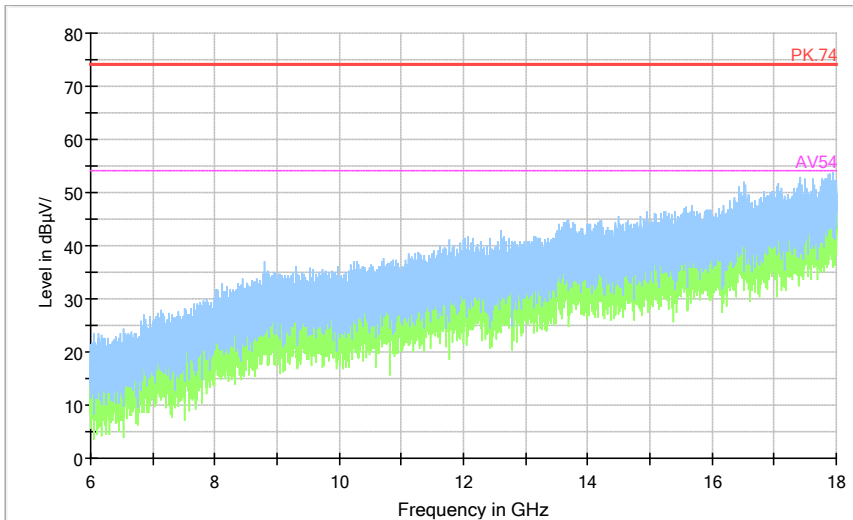
Frequency Range: 30MHz -1GHz  
Detector: QP mode  
Test Mode: 802.11b

Full Spectrum



Frequency Range: 1GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum

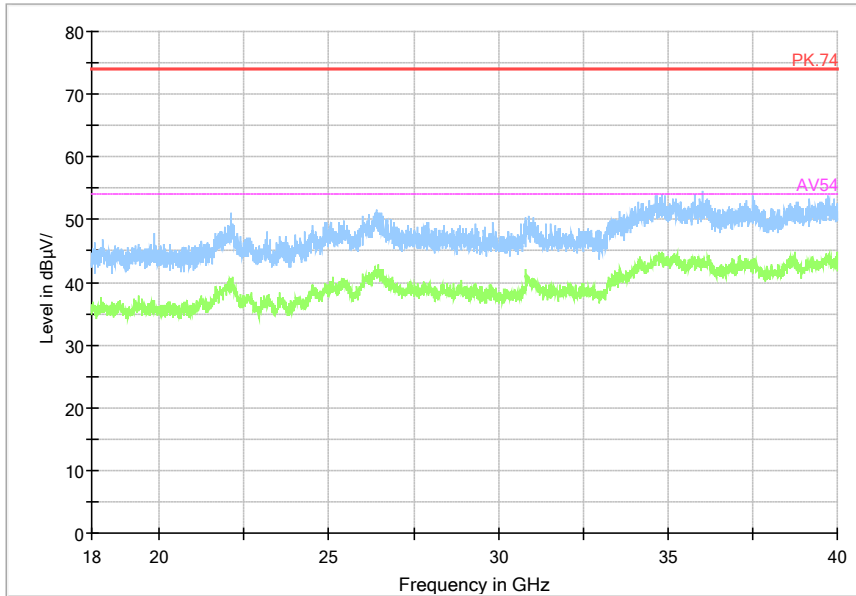


Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

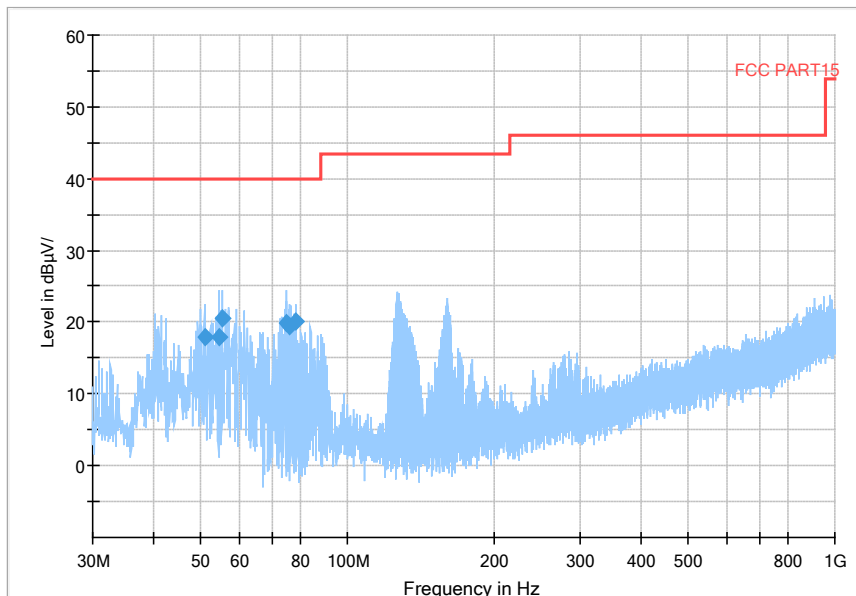
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



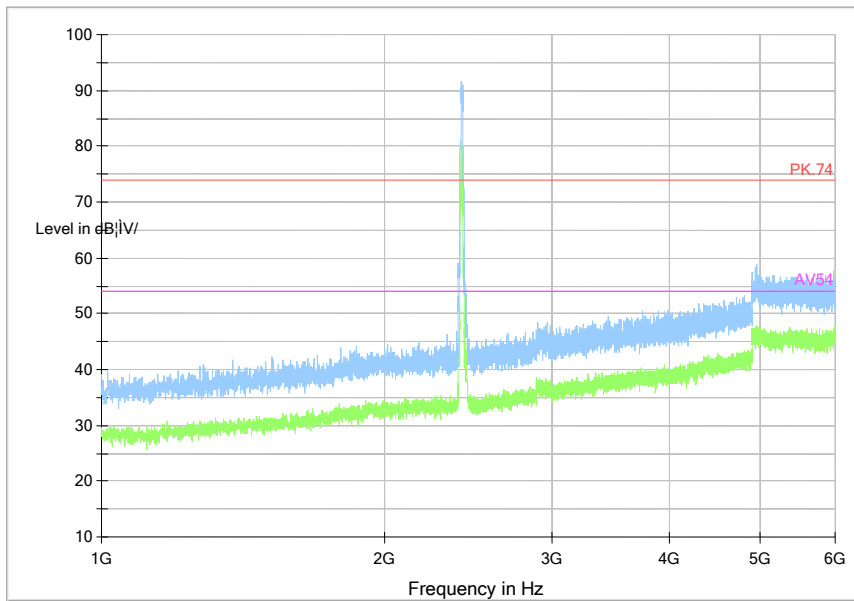
Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



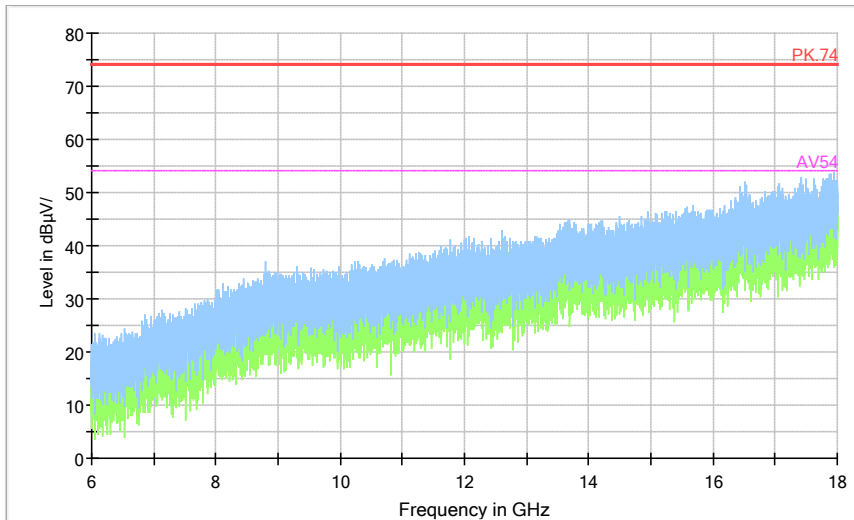
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Modulation type: 802.11g

Full Spectrum



Frequency Range: 1GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



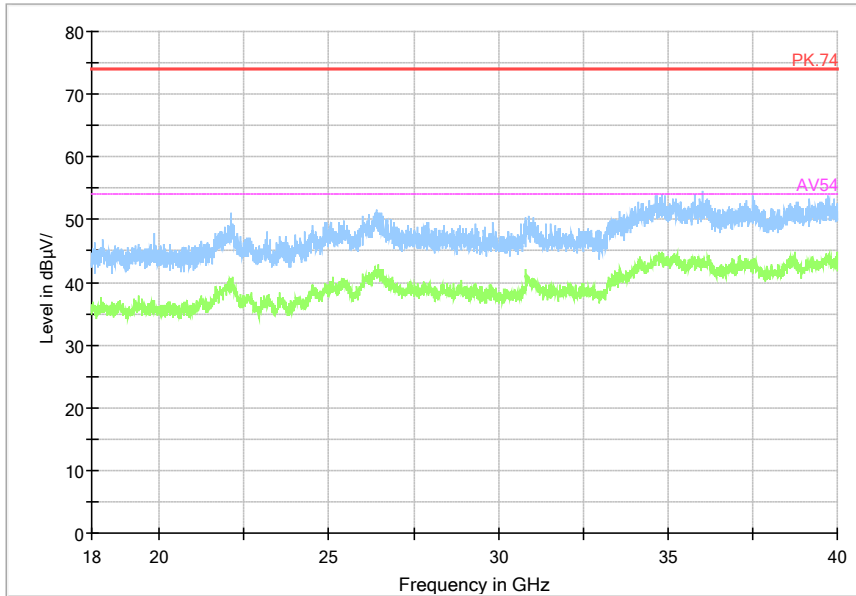
Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

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

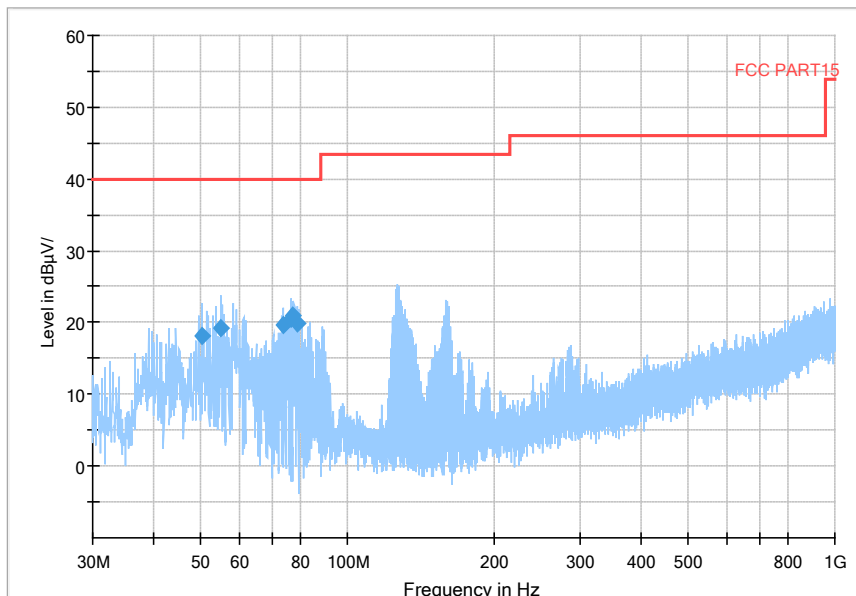


Full Spectrum



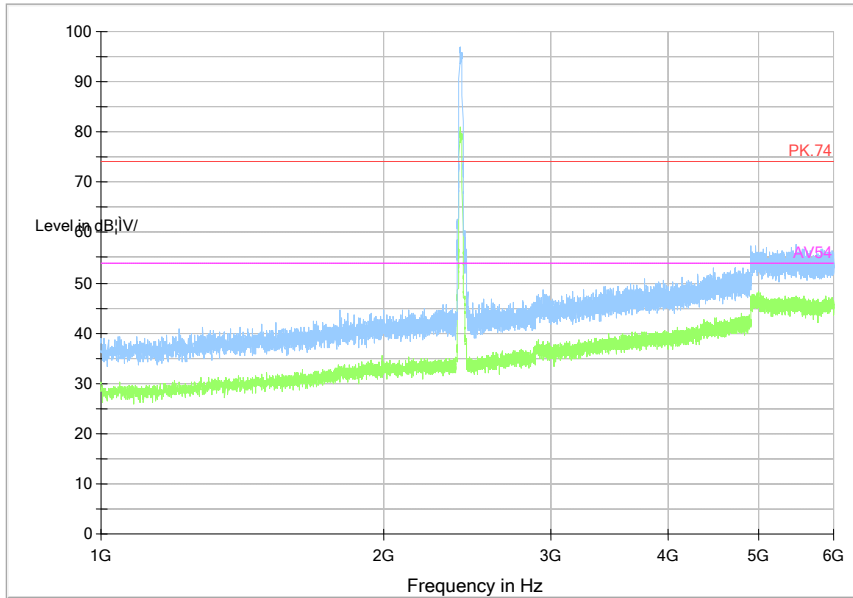
Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



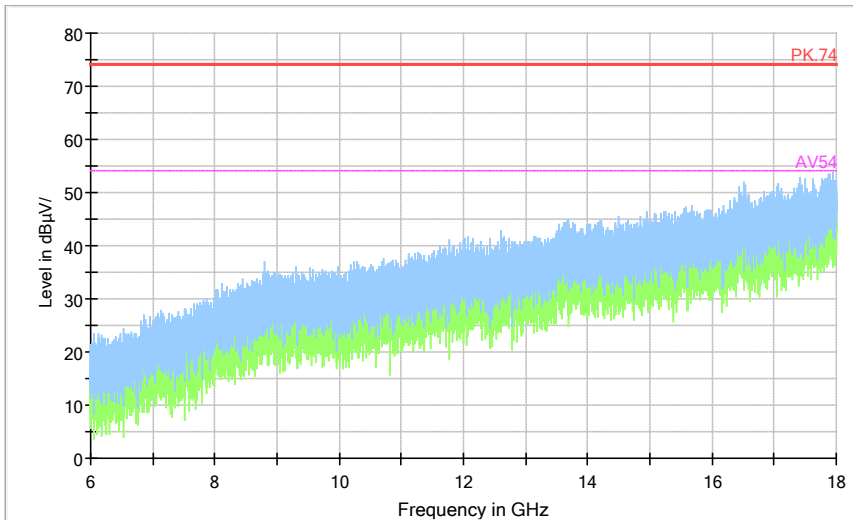
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT20)

Full Spectrum



Frequency Range: 1GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum

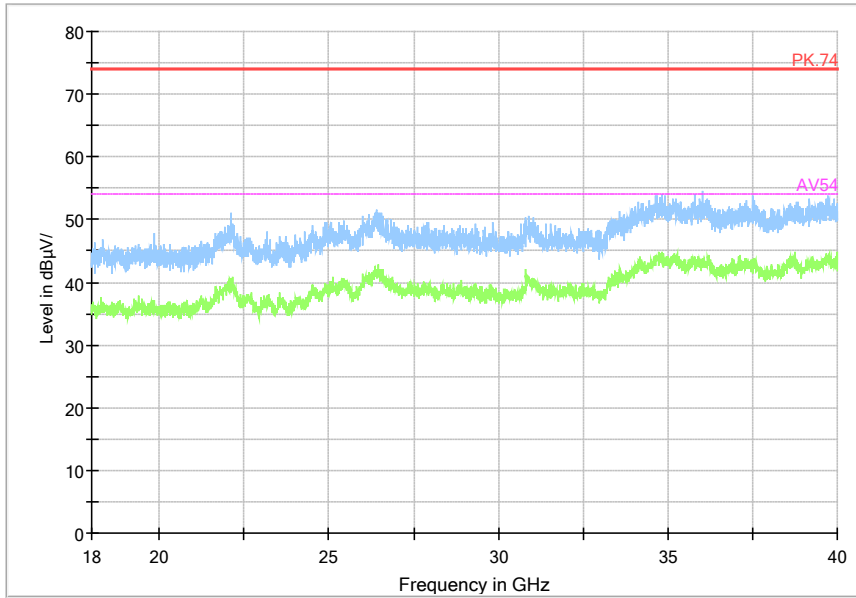


Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

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

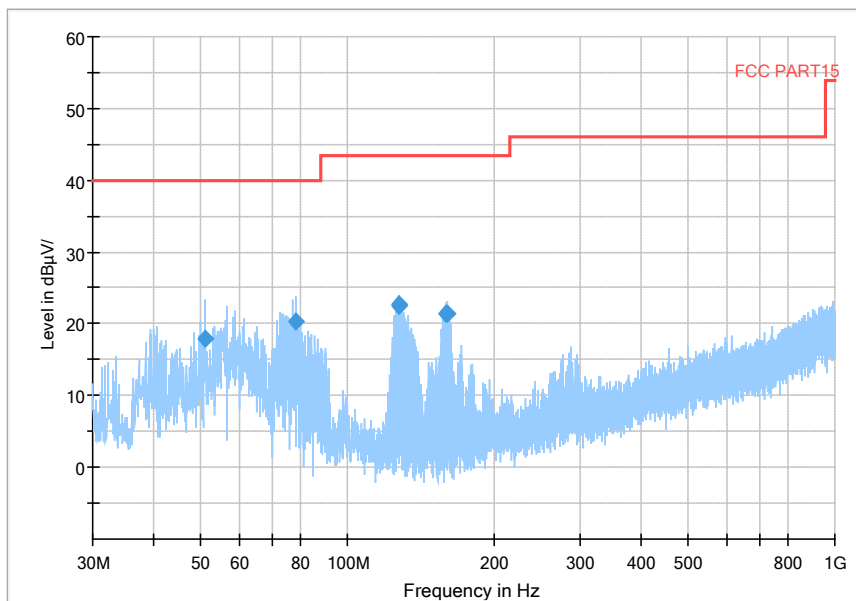
Full Spectrum



Frequency Range: 18GHz -40GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

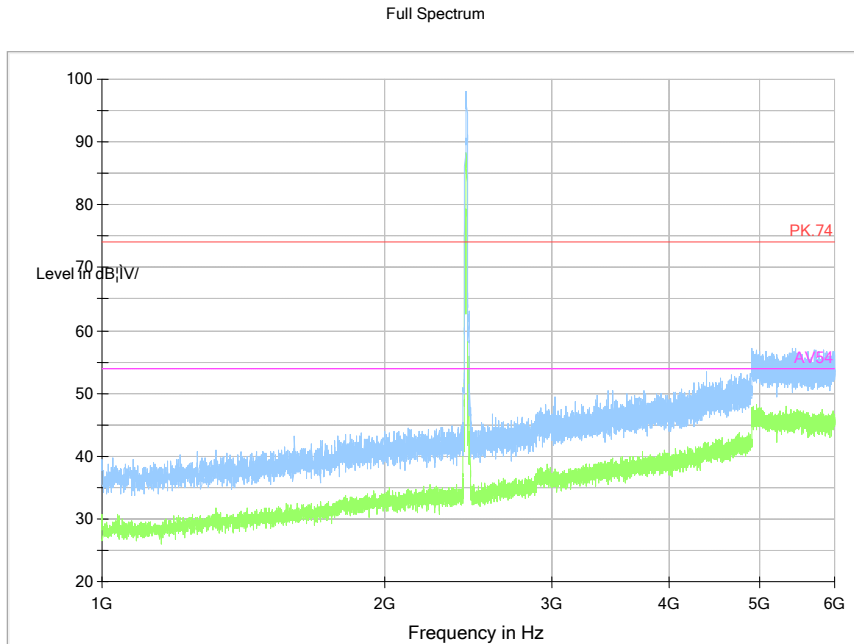
Carrier frequency (MHz): 2437  
Channel No.:6

Full Spectrum

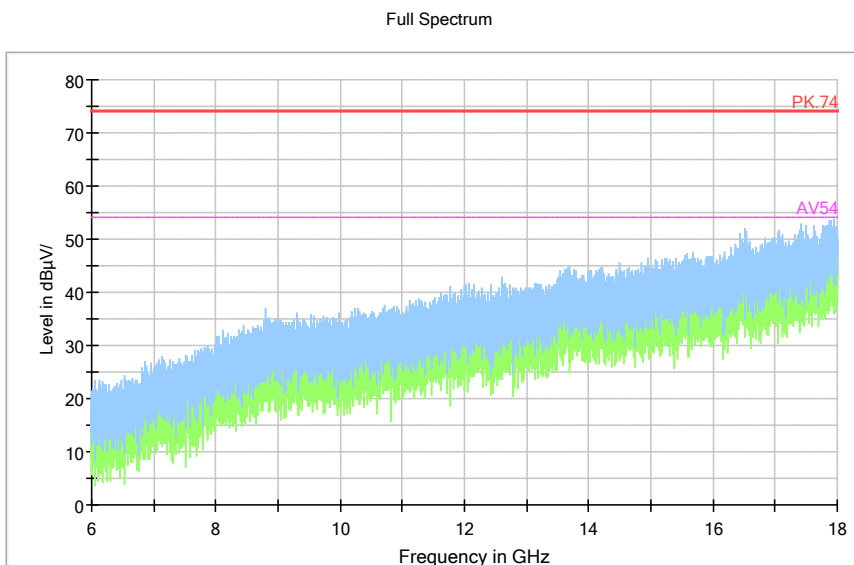


Frequency Range: 30MHz -1GHz  
Detector: QP mode

Test Mode: 802.11b



Frequency Range: 1GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

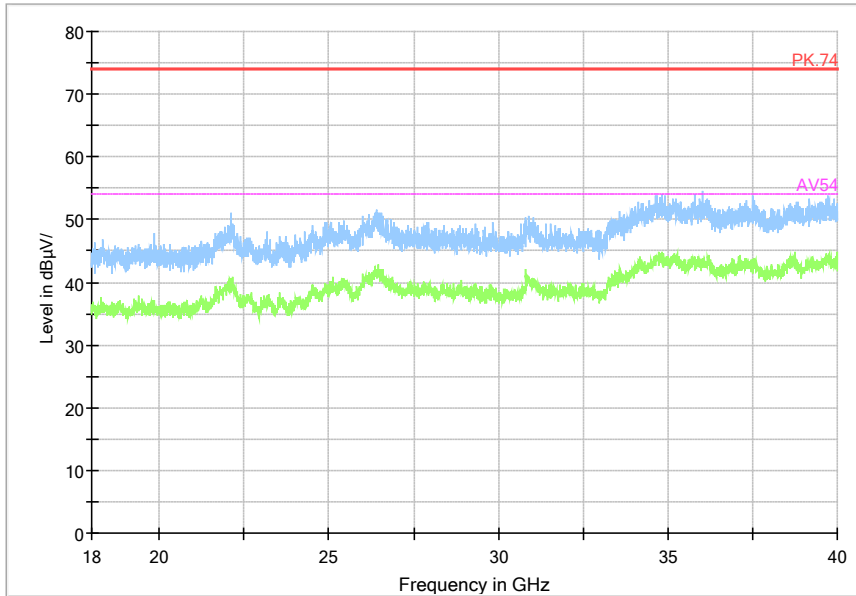


Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

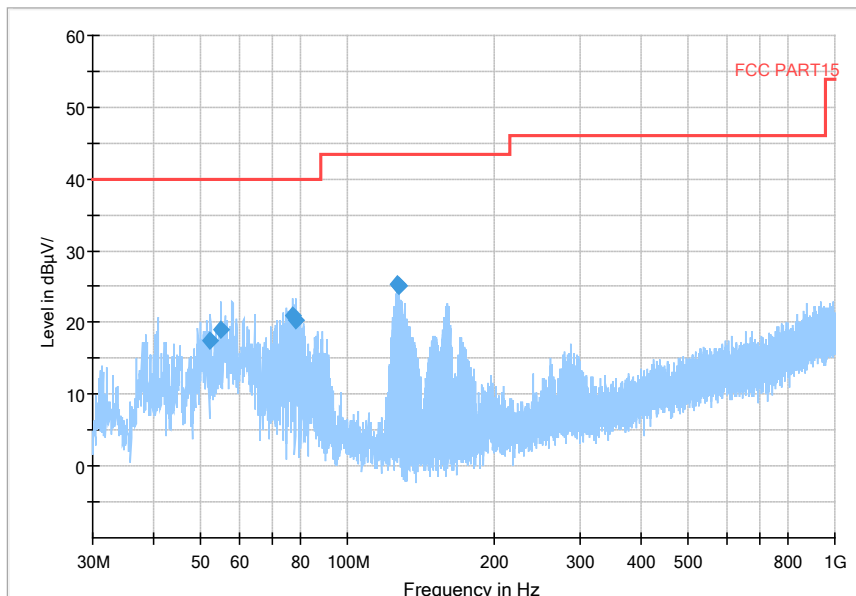
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



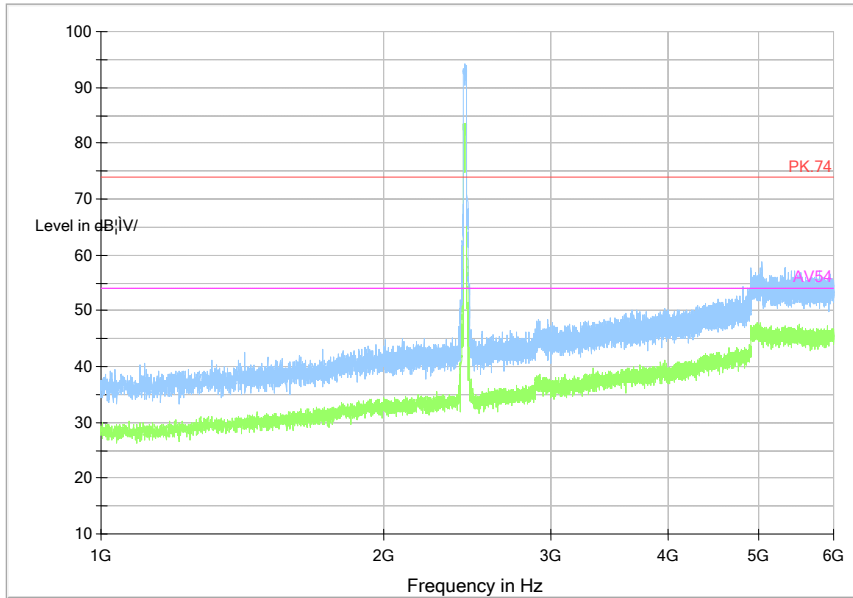
Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



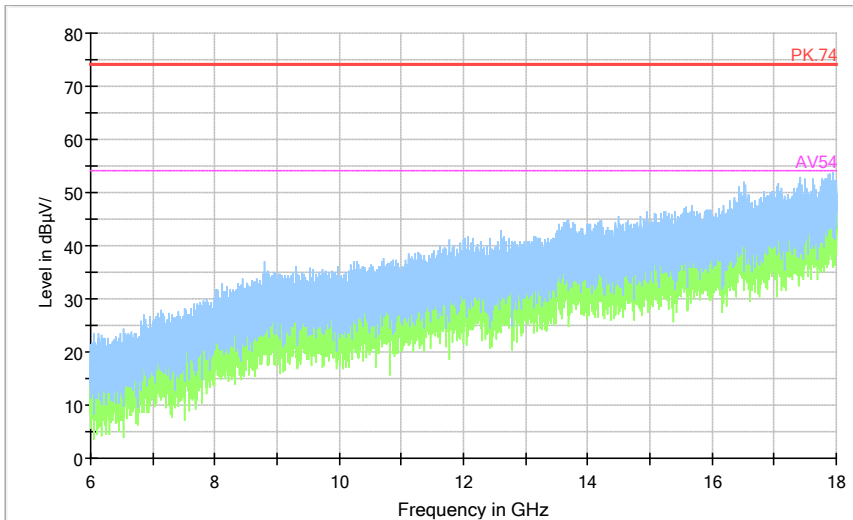
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Modulation type: 802.11g

Full Spectrum



Frequency Range: 1GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum

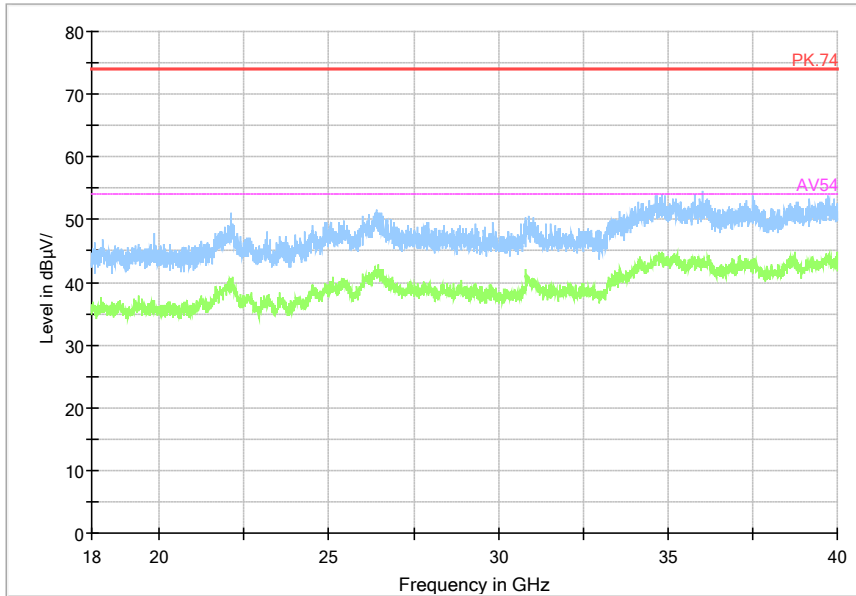


Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

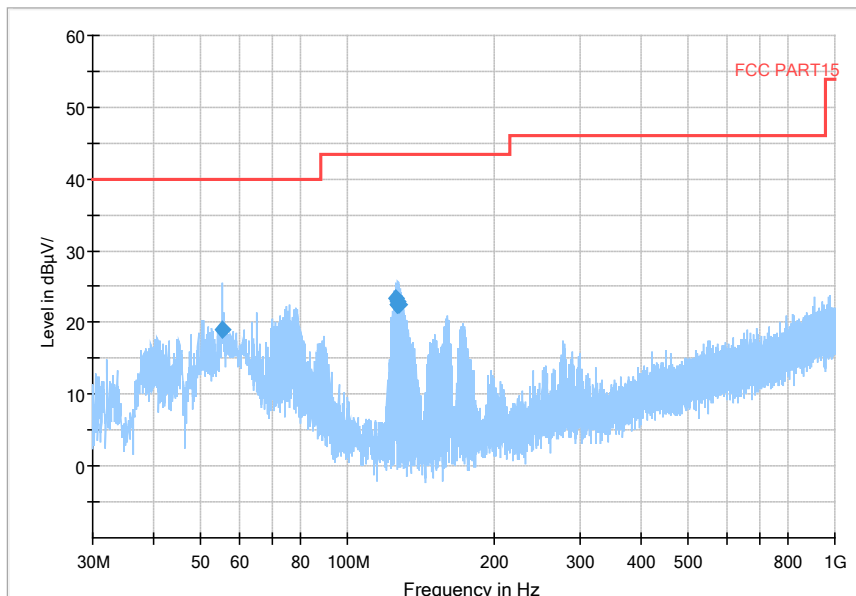
Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



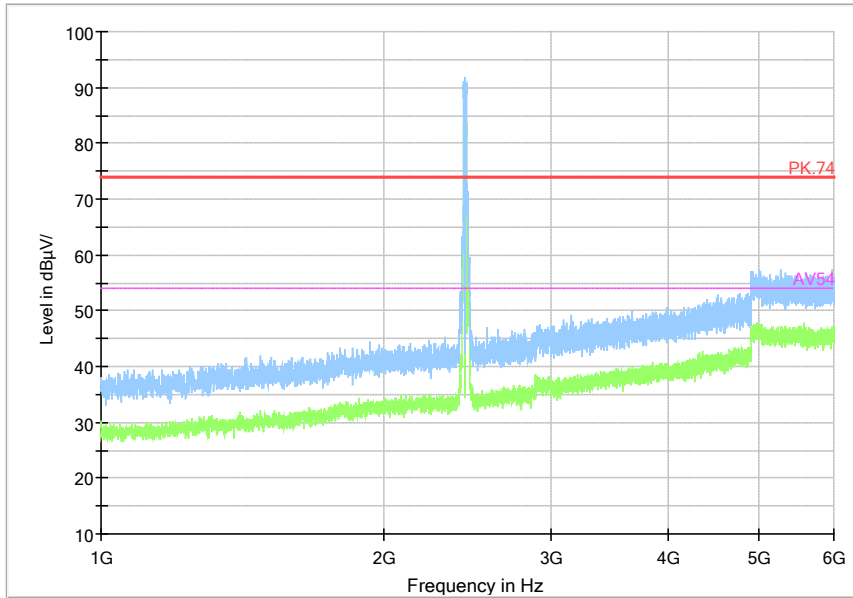
Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



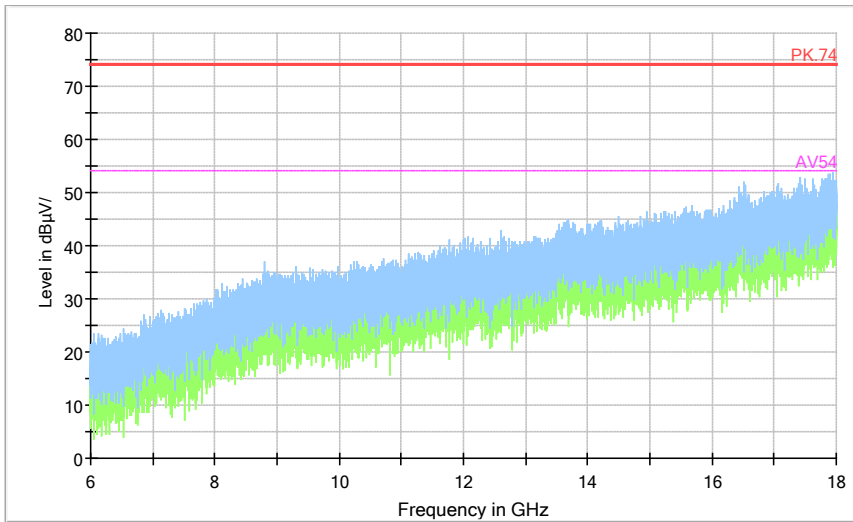
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT20)

Full Spectrum



Frequency Range: 1GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



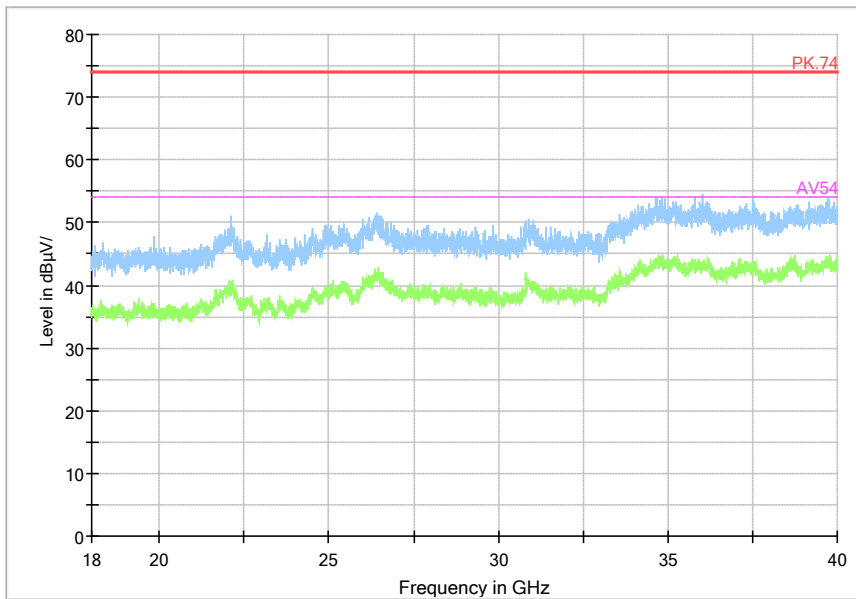
Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

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



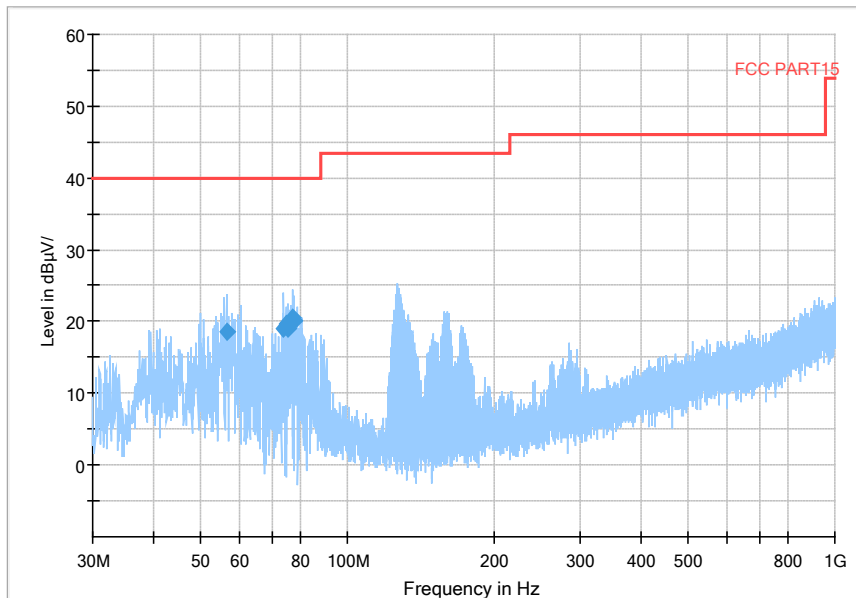
Full Spectrum



Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

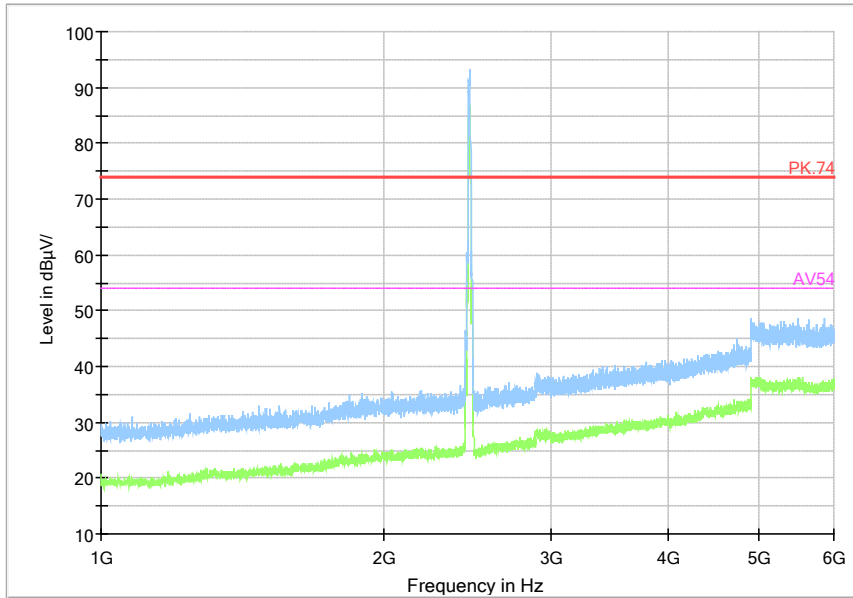
Carrier frequency (MHz): 2462  
 Channel No.:11

Full Spectrum



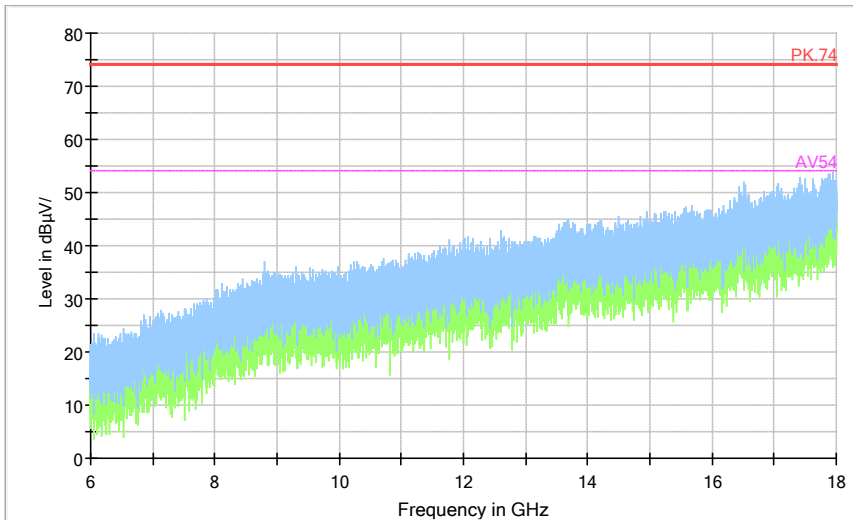
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11b

Full Spectrum



Frequency Range: 1GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

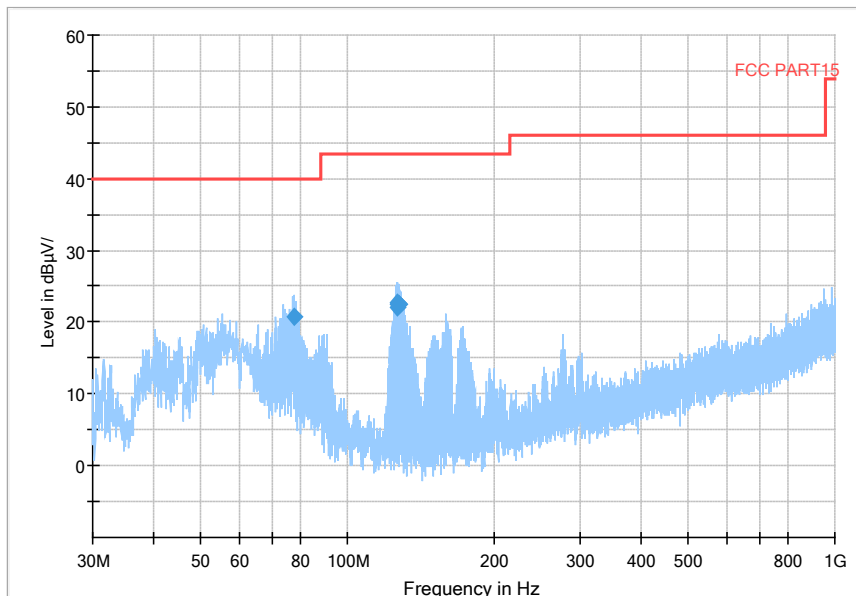
Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



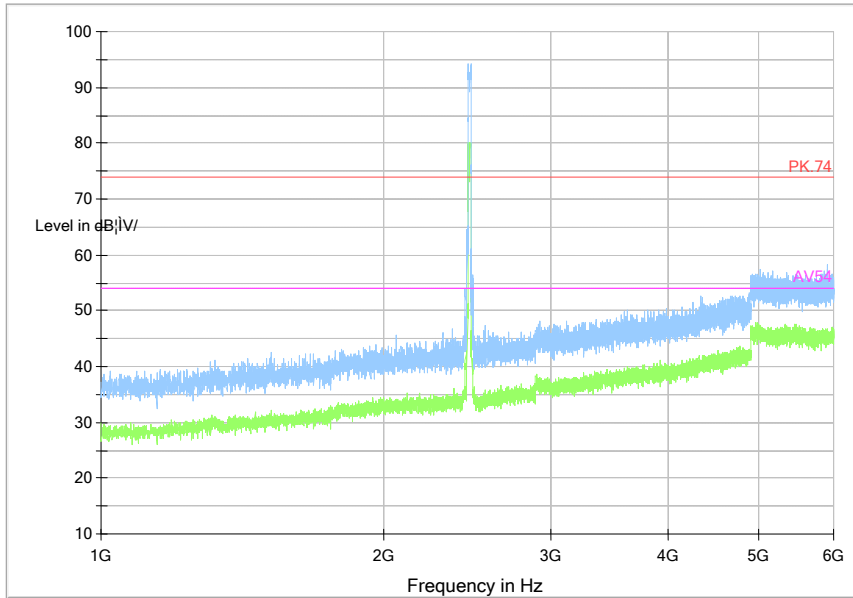
Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



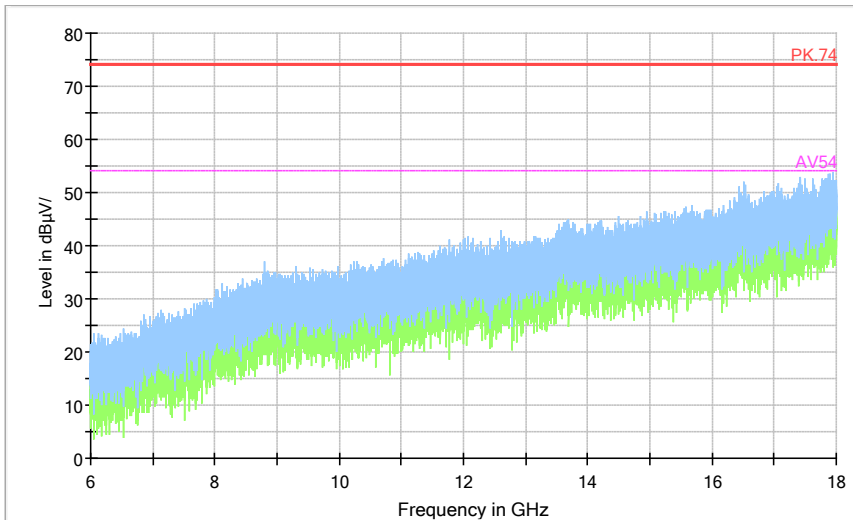
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Modulation type: 802.11g

Full Spectrum



Frequency Range: 1GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum

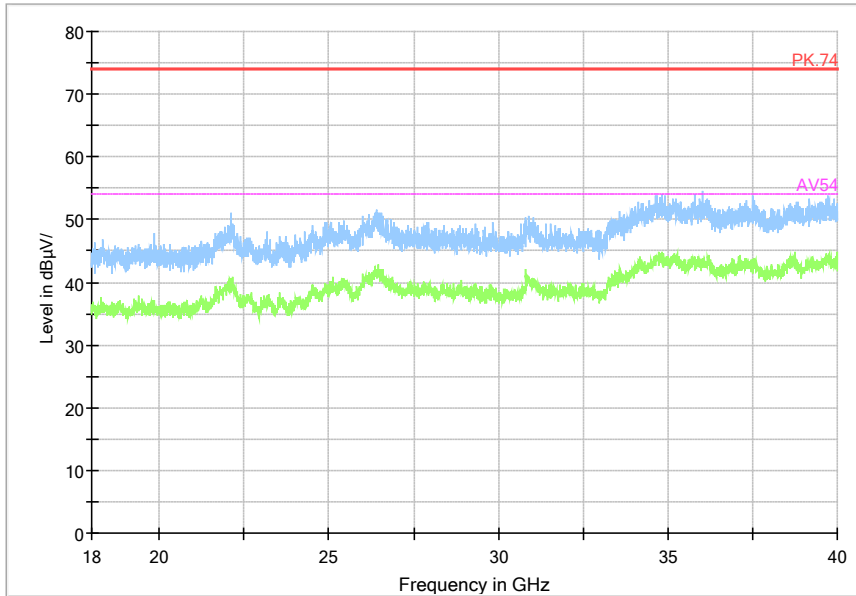


Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

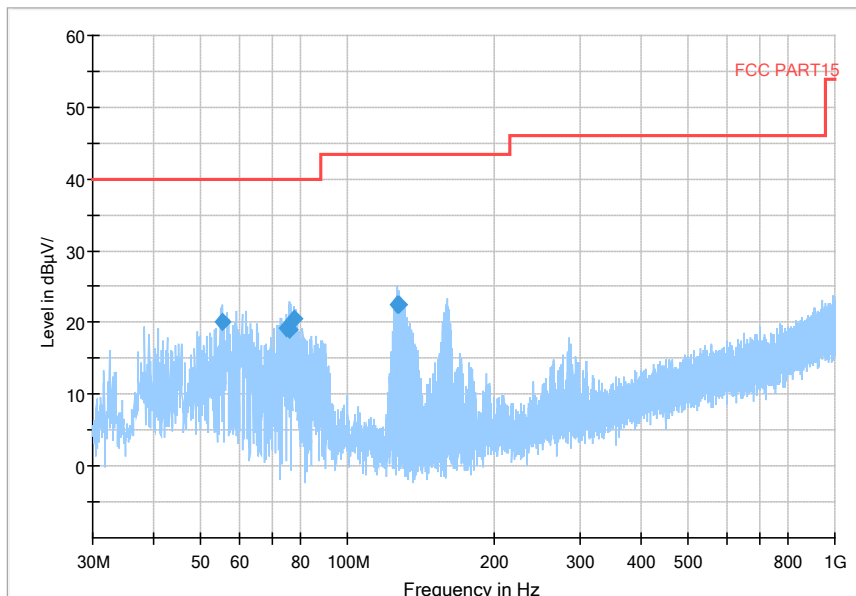
Frequency Range: 6GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



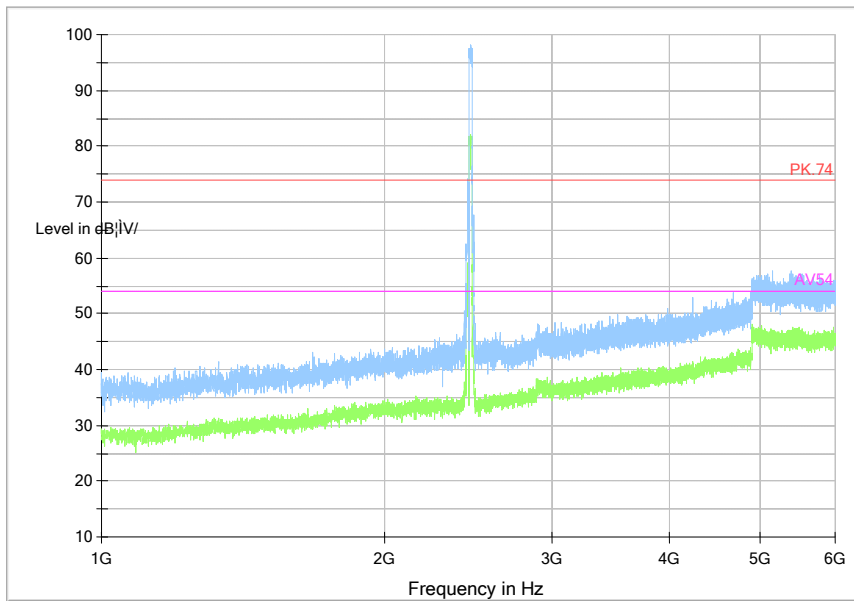
Frequency Range: 18GHz -40GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



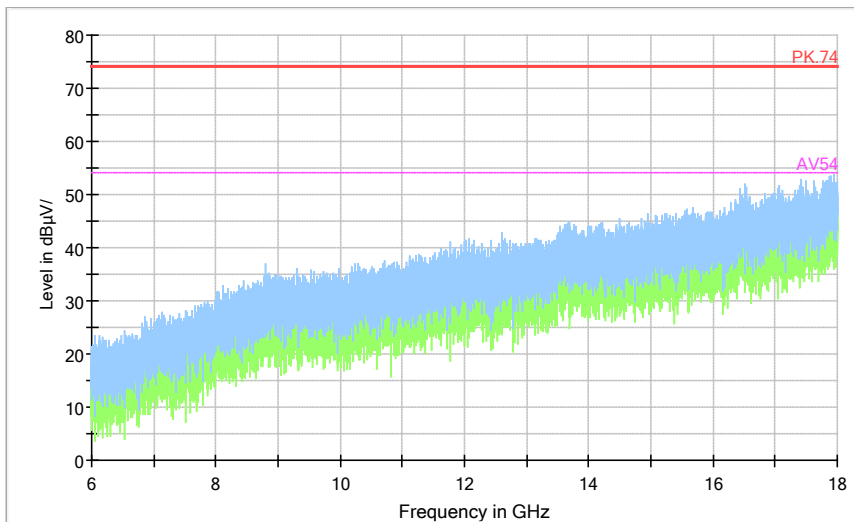
Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11n(HT20)

Full Spectrum



Frequency Range: 1GHz -6GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum

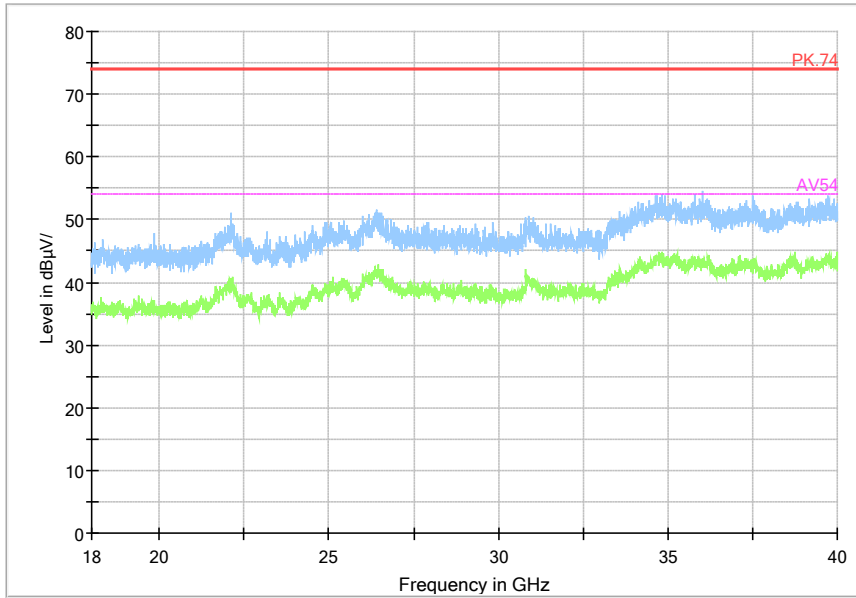


Preview Result 2-AVG    Preview Result 1-PK+    PK.74    AV54

Comment

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

Full Spectrum



Frequency Range: 18GHz -40GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

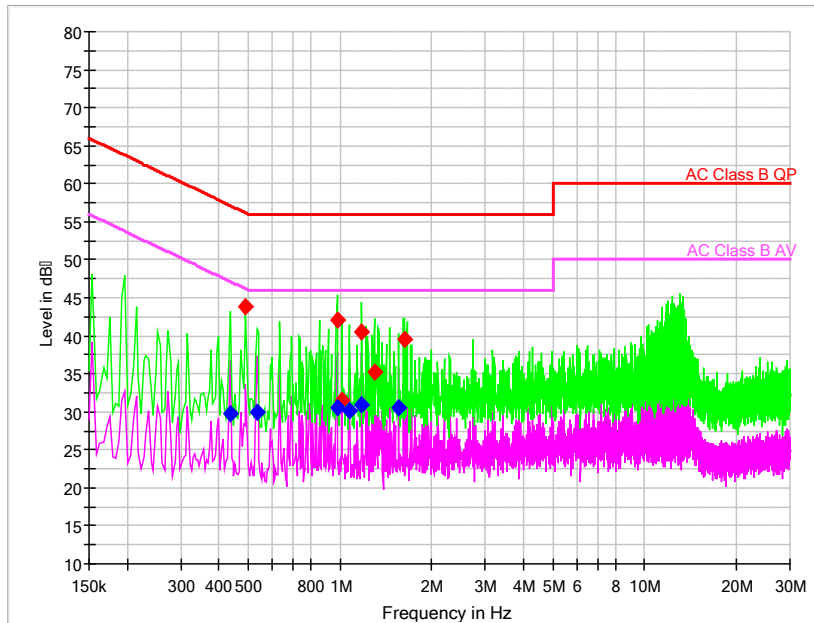
### AC Power line Conducted Emission

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:  $(29.85 \text{ dB}\mu\text{V}) = (0.15 \text{ dB}\mu\text{V}) + (29.7 \text{ dB})$ , the corresponding frequency is 0.435707MHz.



### L+N Line

#### MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea Quasi Peak (dBμV)	Pmea Average (dBμV)
0.435707	---	29.85	47.14	17.30	L	29.7	---	0.15
0.491143	43.80	---	56.15	12.35	L	29.7	14.1	---
0.533786	---	29.92	46.00	16.08	L	29.7	---	0.22
0.977271	---	30.55	46.00	15.45	L	29.7	---	0.85
0.977271	42.02	---	56.00	13.98	L	29.7	12.32	---
1.015650	31.60	---	56.00	24.40	N	29.7	1.9	---
1.071086	---	30.19	46.00	15.81	L	29.7	---	0.49
1.177693	40.44	---	56.00	15.56	L	29.7	10.74	---
1.177693	---	30.97	46.00	15.03	N	29.7	---	1.27
1.297093	35.27	---	56.00	20.73	N	29.7	5.57	---
1.557214	---	30.44	46.00	15.56	N	29.7	---	0.74
1.621179	39.59	---	56.00	16.41	N	29.8	9.79	---

---End of Test Report---