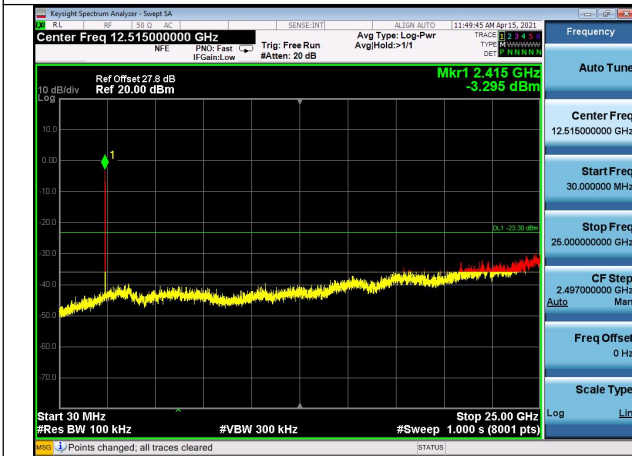


Test Mode:802. 11n HT20

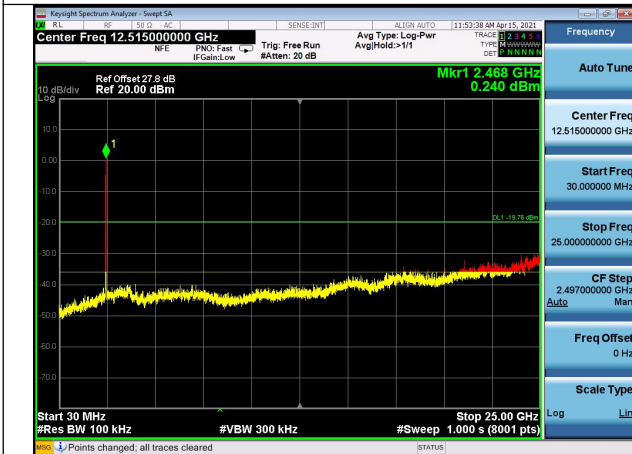
Test Mode:802. 11n HT20 Chain0 CH1



Test Mode:802. 11n HT20 Chain0 CH6



Test Mode:802. 11n HT20 Chain0 CH11

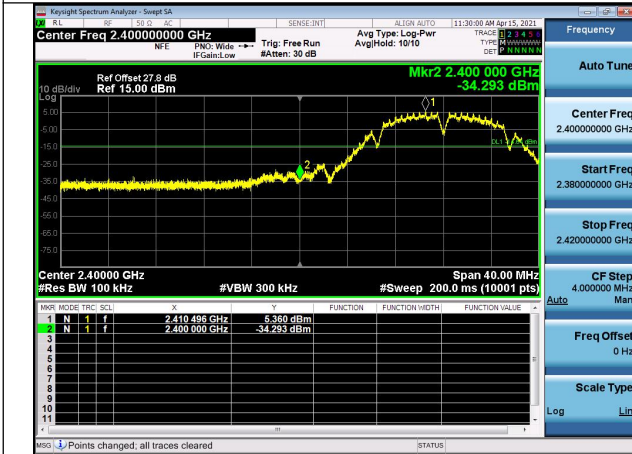


Band edge measurement (RF Conducted measurement)

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

Test Mode:802.11b

Test Mode:802.11b Chain0 CH1

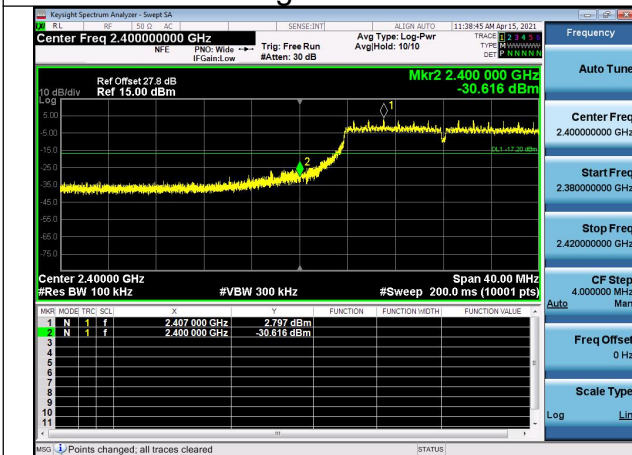


Test Mode:802.11b Chain0 CH11

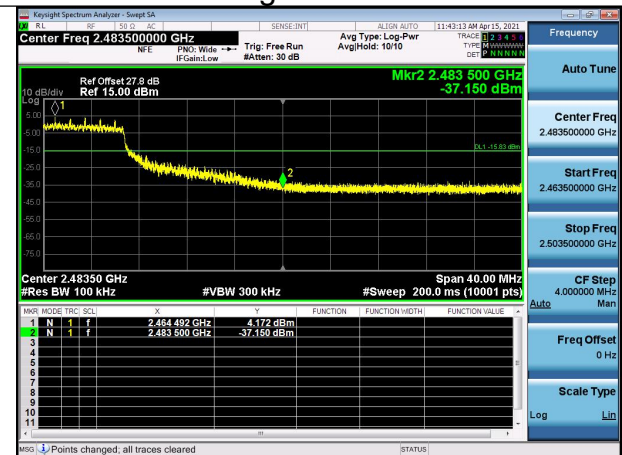


Test Mode:802.11g

Test Mode:802.11g Chain0 CH1

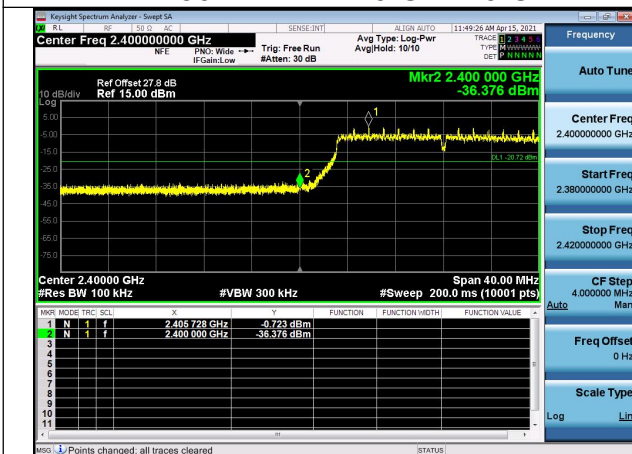


Test Mode:802.11g Chain0 CH11

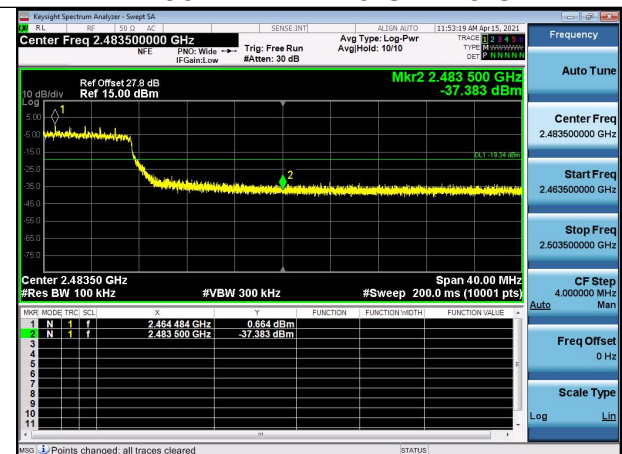


Test Mode:802.11n HT20

Test Mode:802.11n HT20 Chain0 CH1



Test Mode:802.11n HT20 Chain0 CH11



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: (108.79 dBuV/m) = (74.79 dBμV) + (8.90 dB) + (25.10 1/m), 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 (1/m)
1	2412	108.79	74.79	N/A	N/A	8.90	25.10
2	2390	54.52	20.52	-19.48	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 (1/m)
1	2412	106.51	72.51	N/A	N/A	8.90	25.10
2	2390	52.37	18.37	-21.63	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 (1/m)
1	2412	106.60	72.60	N/A	N/A	8.90	25.10
2	2390	49.30	15.30	-4.70	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 (1/m)
1	2412	103.78	69.78	N/A	N/A	8.90	25.10
2	2390	47.98	13.98	-6.02	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 (1/m)
1	2462	105.11	71.11	N/A	N/A	8.90	25.10
2	2483.5	49.54	15.54	-24.46	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 (1/m)
1	2462	102.38	68.38	N/A	N/A	8.90	25.10
2	2483.5	47.37	13.37	-26.63	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 (1/m)
1	2462	104.69	70.69	N/A	N/A	8.90	25.10
2	2483.5	46.05	12.05	-7.95	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 (1/m)
1	2462	102.53	68.53	N/A	N/A	8.90	25.10
2	2483.5	44.88	10.88	-9.12	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 (1/m)
1	2412	108.06	74.06	N/A	N/A	8.90	25.10
2	2390	54.89	20.89	-19.11	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 (1/m)
1	2412	106.04	72.04	N/A	N/A	8.90	25.10
2	2390	53.78	19.78	-20.22	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 (1/m)
1	2412	106.19	72.19	N/A	N/A	8.90	25.10
2	2390	48.63	14.63	-5.37	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 (1/m)
1	2412	105.05	71.05	N/A	N/A	8.90	25.10
2	2390	46.20	12.20	-7.80	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 (1/m)
1	2462	106.16	72.16	N/A	N/A	8.90	25.10
2	2483.5	48.15	14.15	-25.85	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 (1/m)
1	2462	103.64	69.64	N/A	N/A	8.90	25.10
2	2483.5	45.38	11.38	-28.62	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 (1/m)
1	2462	104.28	70.28	N/A	N/A	8.90	25.10
2	2483.5	46.66	12.66	-7.34	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 (1/m)
1	2462	101.91	67.91	N/A	N/A	8.90	25.10
2	2483.5	44.63	10.63	-9.37	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 (1/m)
1	2412	108.16	74.16	N/A	N/A	8.90	25.10
2	2390	54.04	20.04	-19.96	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 (1/m)
1	2412	105.76	71.76	N/A	N/A	8.90	25.10
2	2390	52.06	18.06	-21.94	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 (1/m)
1	2412	106.95	72.95	N/A	N/A	8.90	25.10
2	2390	49.42	15.42	-4.58	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 (1/m)
1	2412	104.06	70.06	N/A	N/A	8.90	25.10
2	2390	48.88	14.88	-5.12	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 (1/m)
1	2462	105.35	71.35	N/A	N/A	8.90	25.10
2	2483.5	48.68	14.68	-25.32	74.00	8.90	25.10

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

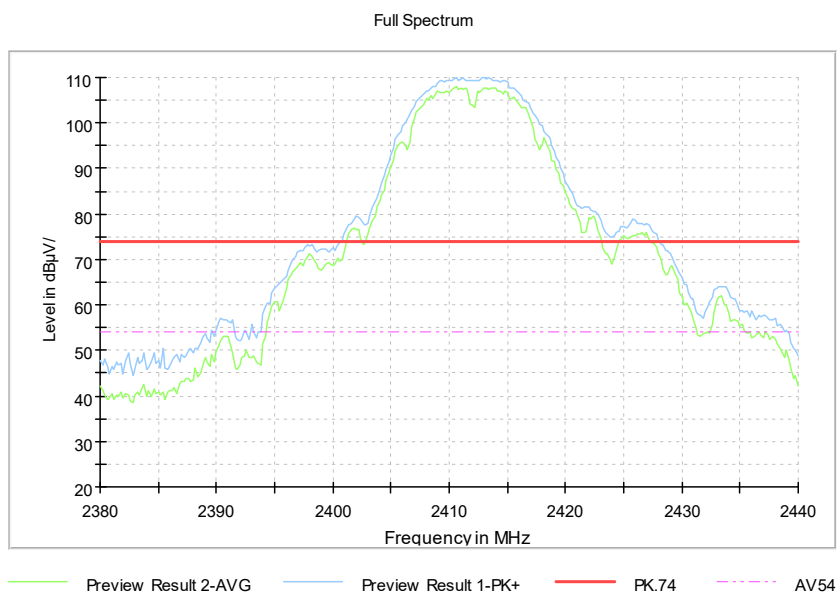
No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (1/m)
1	2462	103.25	69.25	N/A	N/A	8.90	25.10
2	2483.5	46.79	12.79	-27.21	74.00	8.90	25.10

Carrier frequency (MHz): 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 (1/m)
1	2462	103.09	69.09	N/A	N/A	8.90	25.10
2	2483.5	45.26	11.26	-8.74	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 (1/m)
1	2462	100.36	66.36	N/A	N/A	8.90	25.10
2	2483.5	44.74	10.74	-9.26	54.00	8.90	25.10



Comment

Radiated Emission Band Edge
Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b

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: (25.58 dBμV/m) = (48.98 dBμV/m) + (-23.4 dB), the corresponding frequency is 53.095000MHz.

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)
53.095000	25.58	-23.4	48.98	Vertical	40.00
54.164500	26.22	-23.5	49.72	Vertical	40.00
54.643500	26.42	-23.5	49.92	Vertical	40.00
54.712500	26.49	-23.5	49.99	Vertical	40.00
54.746500	26.46	-23.5	49.96	Vertical	40.00
60.746000	26.42	-24.7	51.12	Vertical	40.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
53.808000	26.02	-23.5	49.52	Vertical	40.00
54.065000	26.13	-23.5	49.63	Vertical	40.00
54.210500	26.17	-23.5	49.67	Vertical	40.00
54.333000	26.34	-23.5	49.84	Vertical	40.00
54.723500	26.35	-23.5	49.85	Vertical	40.00
60.512000	26.30	-24.6	50.90	Vertical	40.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
59.982000	25.43	-24.4	49.83	Vertical	40.00
60.079000	25.67	-24.5	50.17	Vertical	40.00
60.303500	26.05	-24.5	50.55	Vertical	40.00
60.366500	26.10	-24.5	50.60	Vertical	40.00
60.389500	26.19	-24.6	50.79	Vertical	40.00
60.404000	26.18	-24.6	50.78	Vertical	40.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
54.384000	26.45	-23.5	49.95	Vertical	40.00
54.407000	26.57	-23.5	50.07	Vertical	40.00
60.067000	26.20	-24.5	50.70	Vertical	40.00
60.073000	26.12	-24.5	50.62	Vertical	40.00
60.092500	26.18	-24.5	50.68	Vertical	40.00
60.109500	26.13	-24.5	50.63	Vertical	40.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
54.016500	26.35	-23.5	49.85	Vertical	40.00
54.162000	26.51	-23.5	50.01	Vertical	40.00
54.295500	26.65	-23.5	50.15	Vertical	40.00
54.310000	26.66	-23.5	50.16	Vertical	40.00
59.904500	26.24	-24.4	50.64	Vertical	40.00
59.990500	26.21	-24.4	50.61	Vertical	40.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
54.236000	26.65	-23.5	50.15	Vertical	40.00
54.264000	26.55	-23.5	50.05	Vertical	40.00
54.327000	26.61	-23.5	50.11	Vertical	40.00
54.350000	26.62	-23.5	50.12	Vertical	40.00
54.373000	26.44	-23.5	49.94	Vertical	40.00
59.913000	26.24	-24.4	50.64	Vertical	40.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
53.192000	25.75	-23.4	49.15	Vertical	40.00
53.257500	25.73	-23.4	49.13	Vertical	40.00
53.677000	25.83	-23.4	49.23	Vertical	40.00
53.871000	25.92	-23.5	49.42	Vertical	40.00
54.295500	26.59	-23.5	50.09	Vertical	40.00
59.947000	26.34	-24.4	50.74	Vertical	40.00

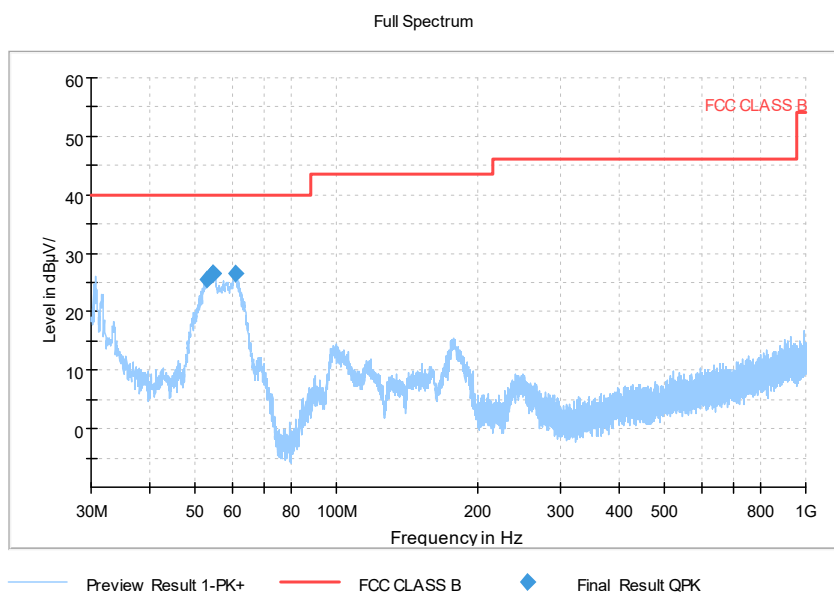
For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
53.243000	25.80	-23.4	49.20	Vertical	40.00
53.968000	25.90	-23.5	49.40	Vertical	40.00
54.227500	26.56	-23.5	50.06	Vertical	40.00
54.230000	26.56	-23.5	50.06	Vertical	40.00
54.264000	26.54	-23.5	50.04	Vertical	40.00
54.281000	26.52	-23.5	50.02	Vertical	40.00

For 802.11n(HT20) Channel No.:11

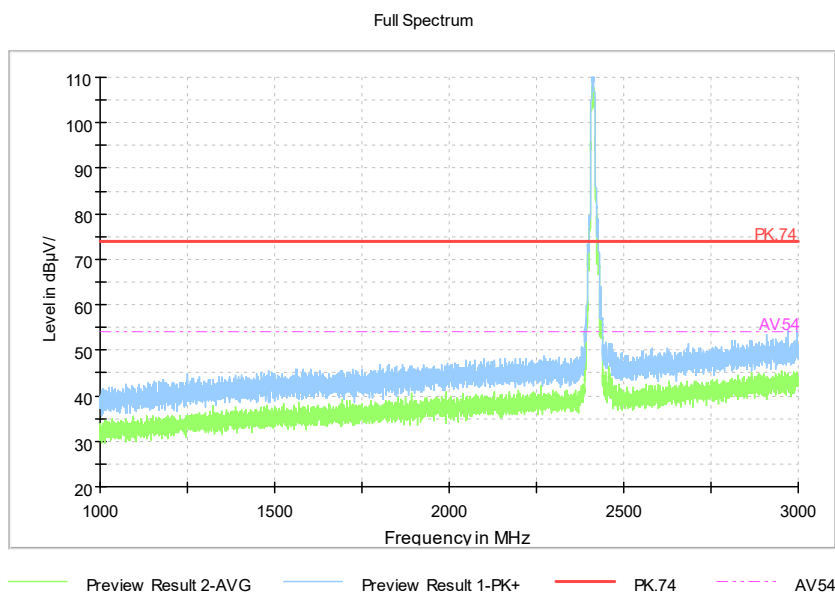
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
54.307500	26.42	-23.5	49.92	Vertical	40.00
54.350000	26.44	-23.5	49.94	Vertical	40.00
54.413000	26.50	-23.5	50.00	Vertical	40.00
54.441000	26.49	-23.5	49.99	Vertical	40.00
59.970000	26.67	-24.4	51.07	Vertical	40.00
60.012500	26.64	-24.4	51.04	Vertical	40.00

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



Comment

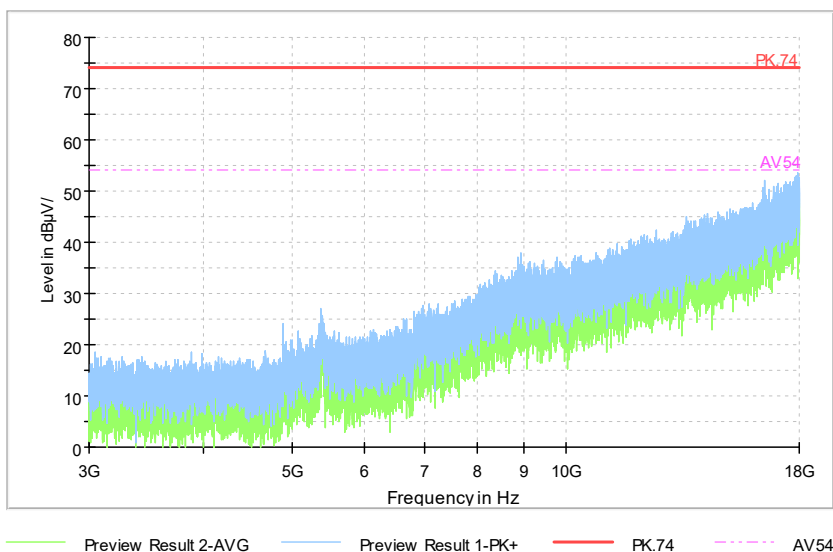
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



Comment

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

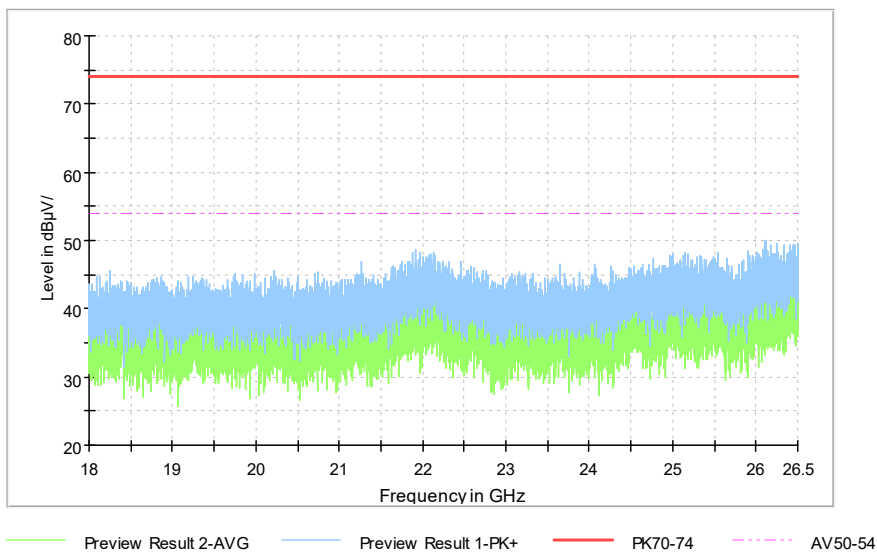
Full Spectrum



Comment

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

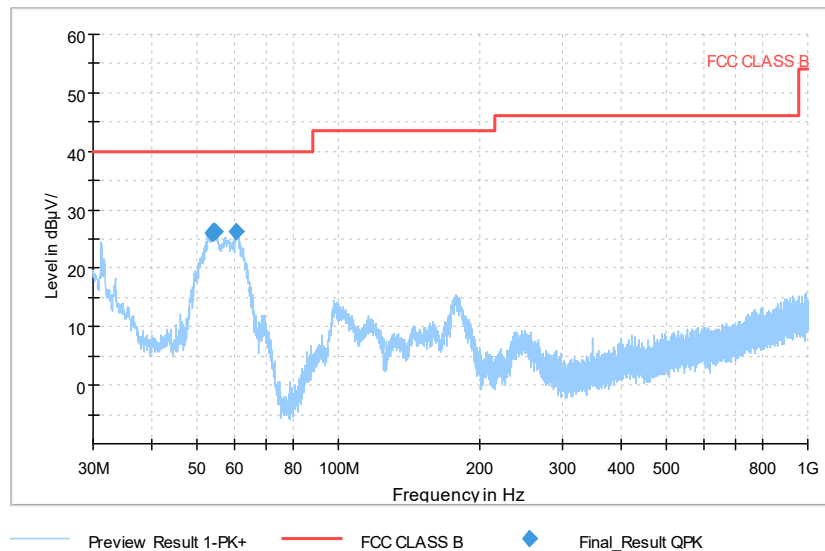
Full Spectrum



Comment

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

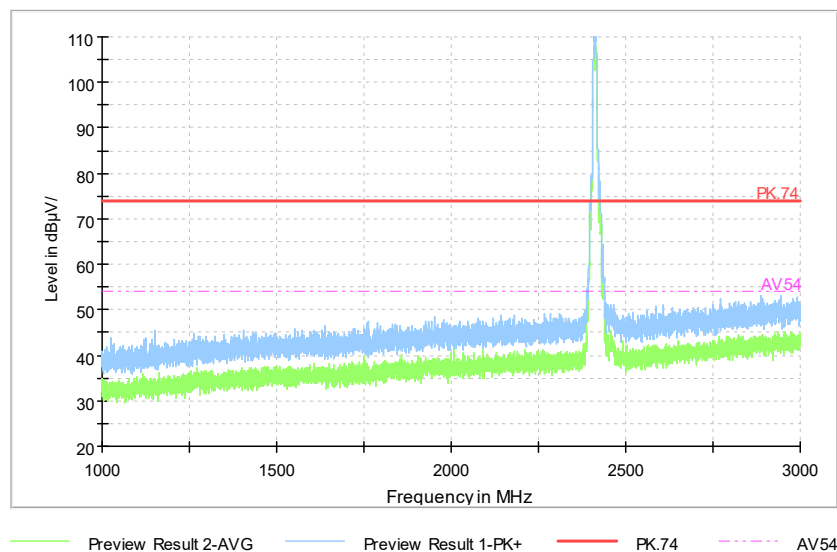
Full Spectrum



Comment

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

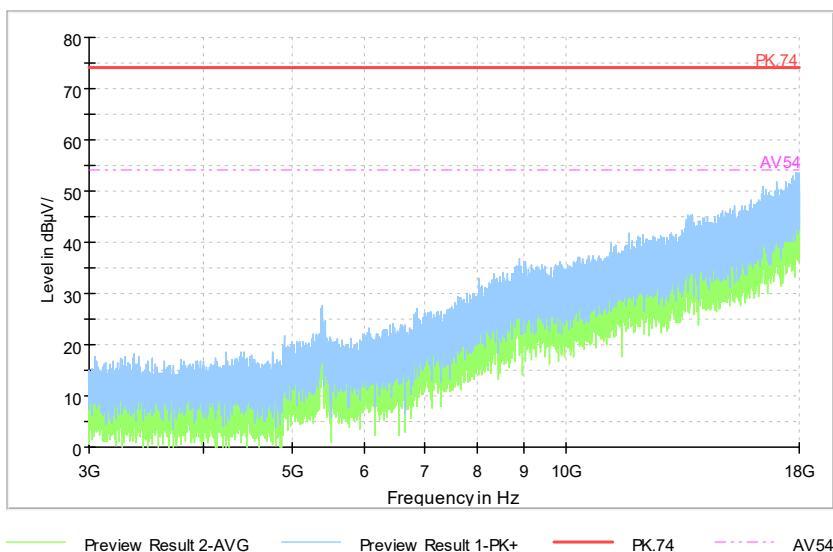
Full Spectrum



Comment

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

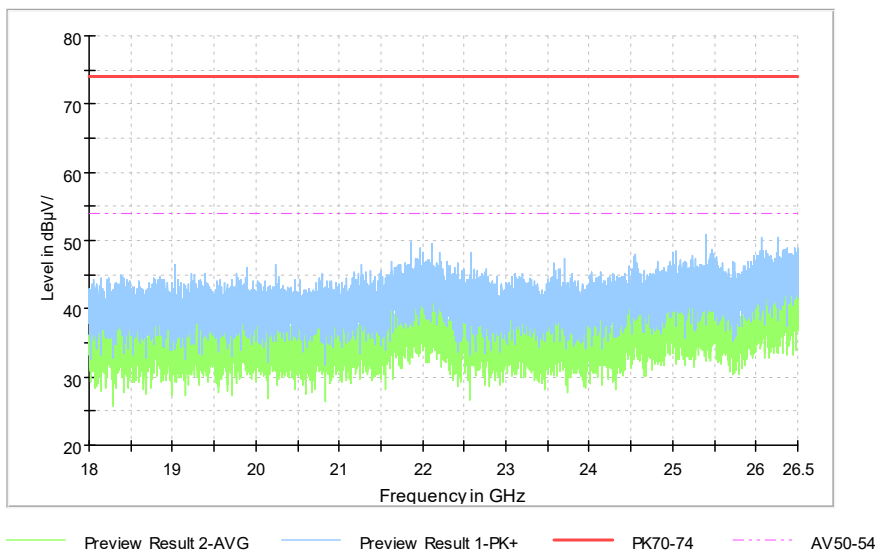
Full Spectrum



Comment

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

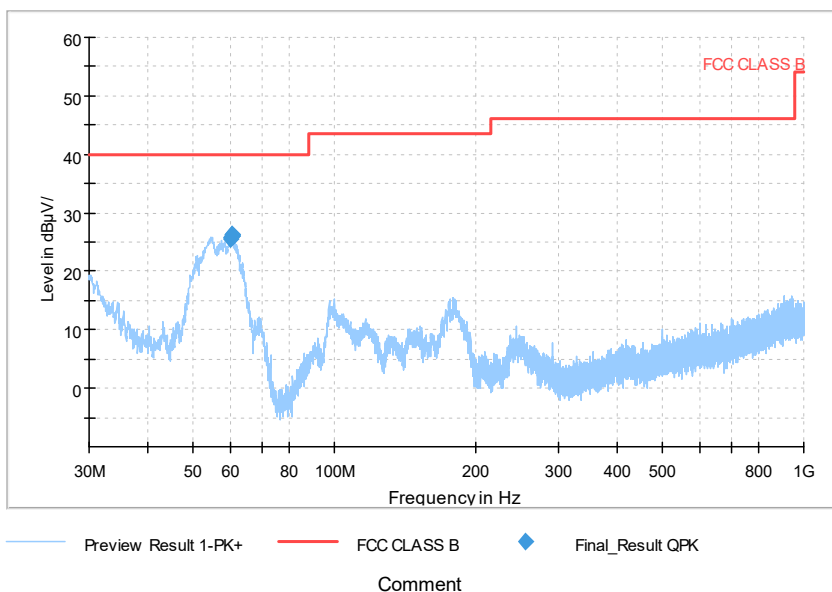
Full Spectrum



Comment

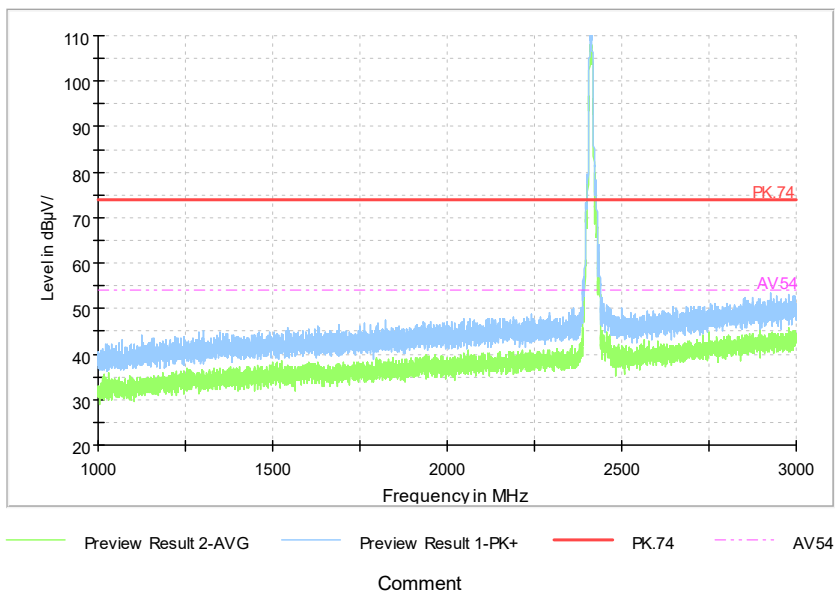
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



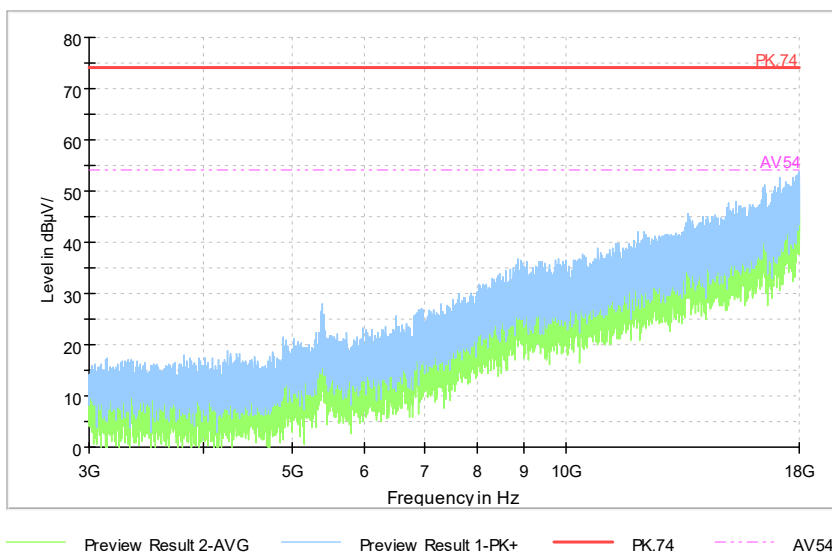
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



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

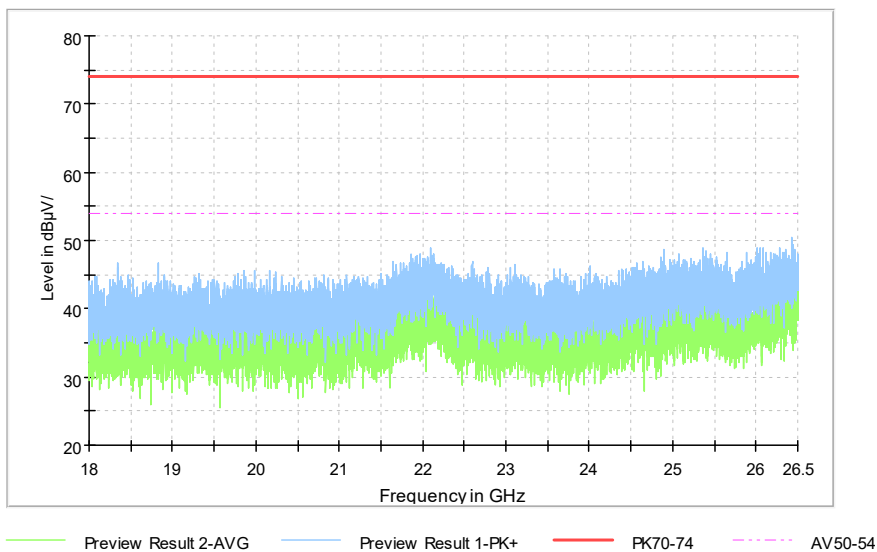
Full Spectrum



Comment

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

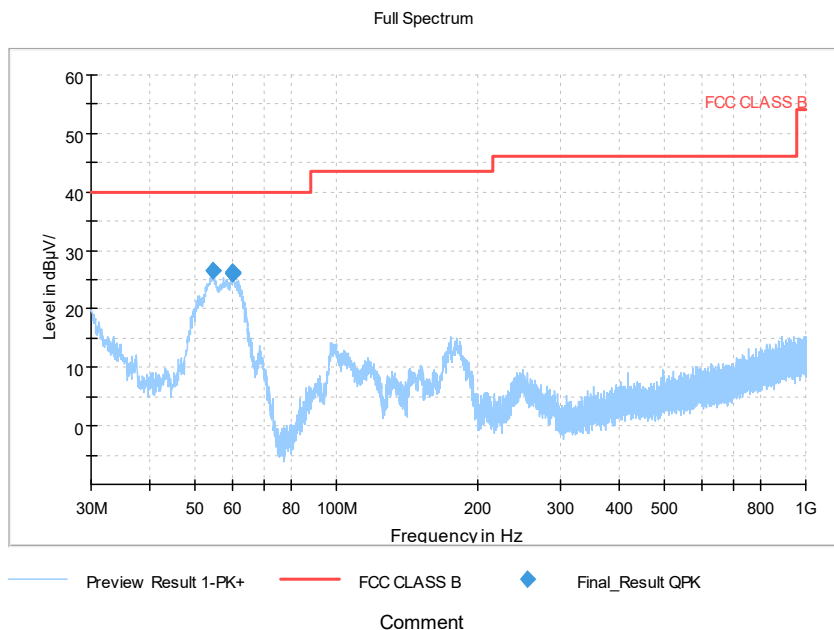
Full Spectrum



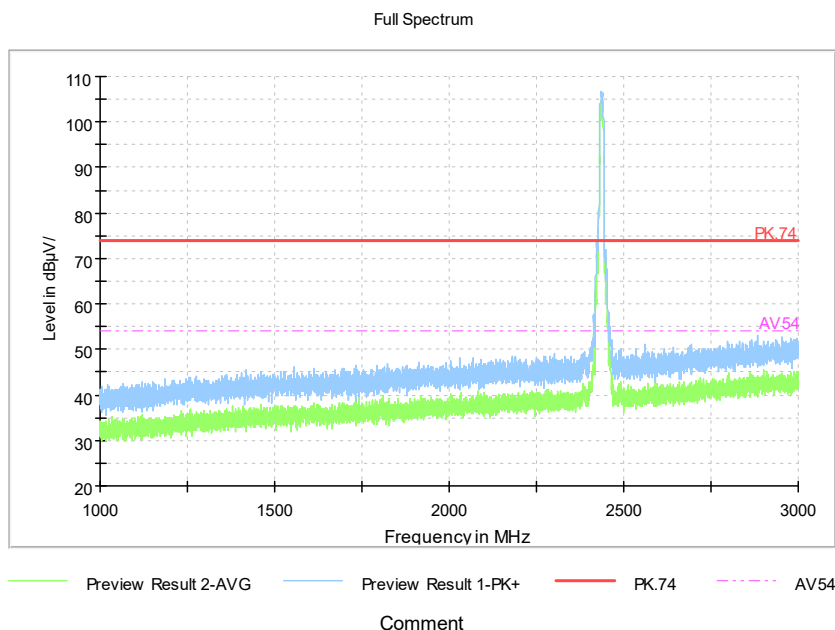
Comment

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

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

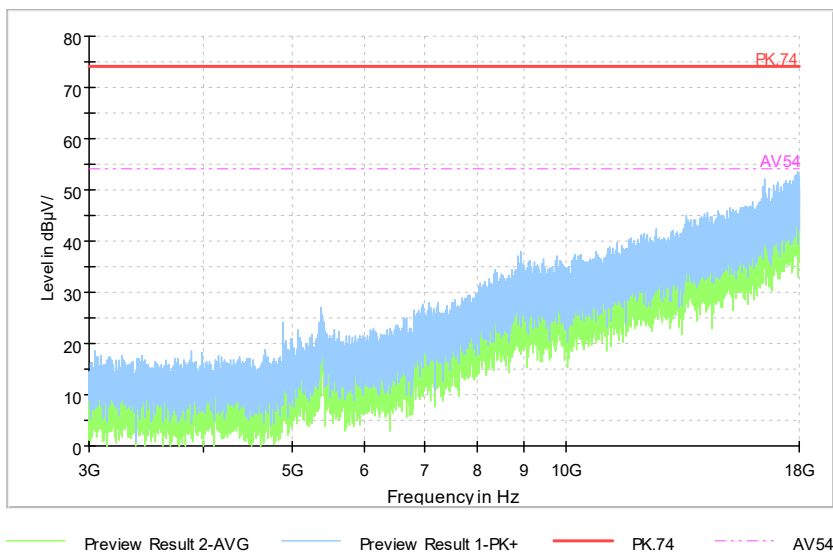


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



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

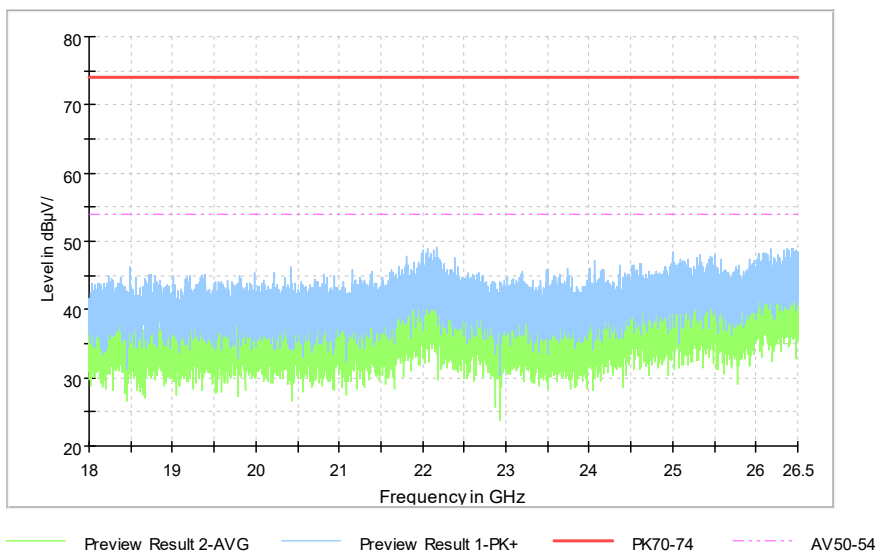
Full Spectrum



Comment

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

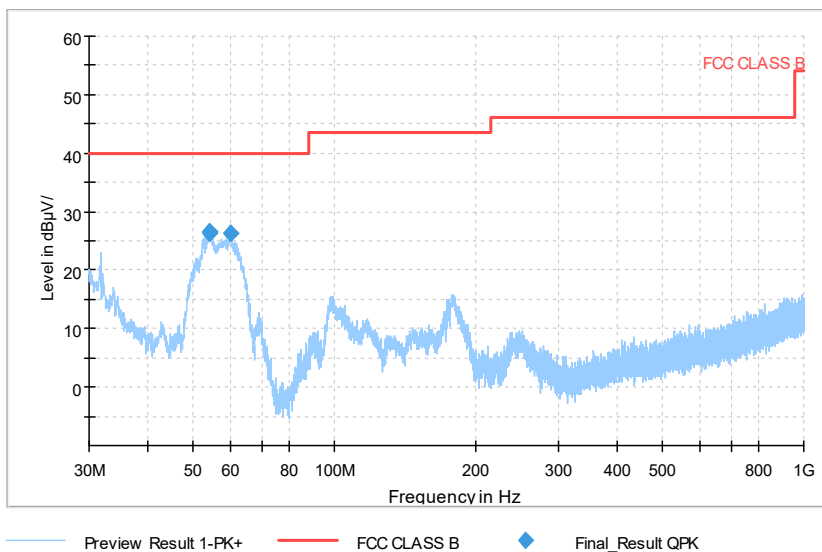
Full Spectrum



Comment

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

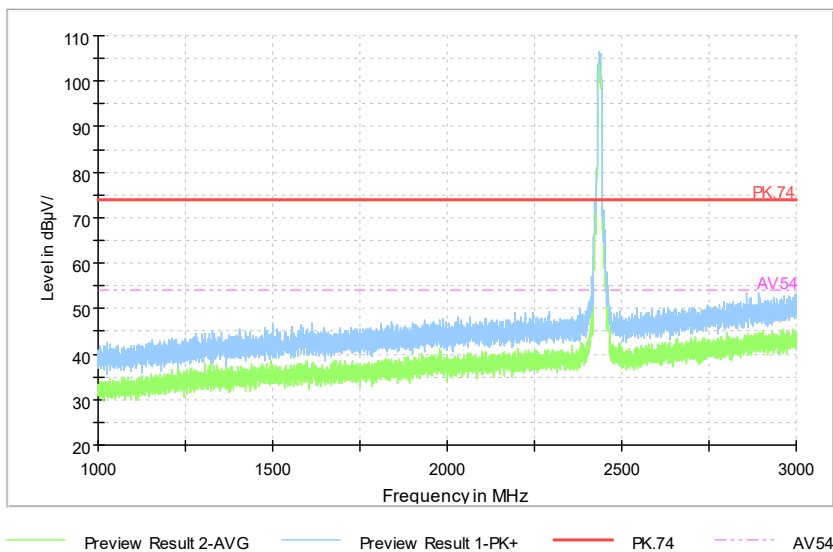
Full Spectrum



Comment

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

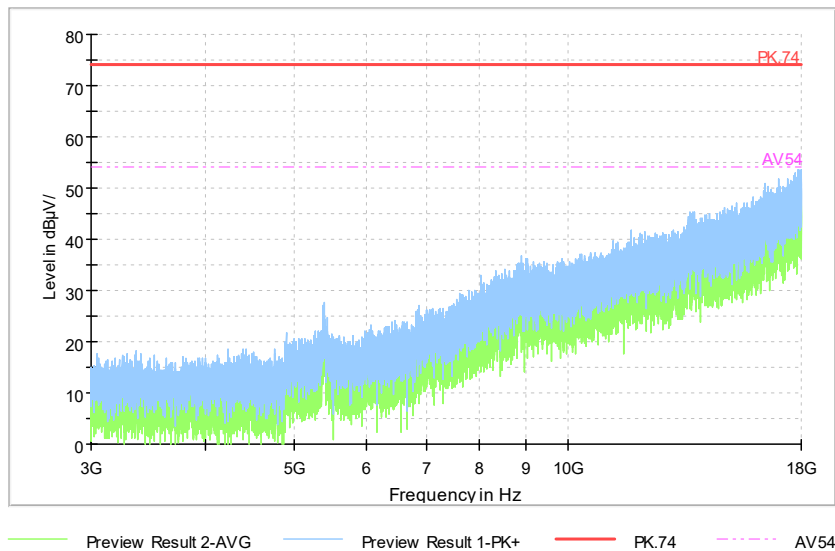
Full Spectrum



Comment

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

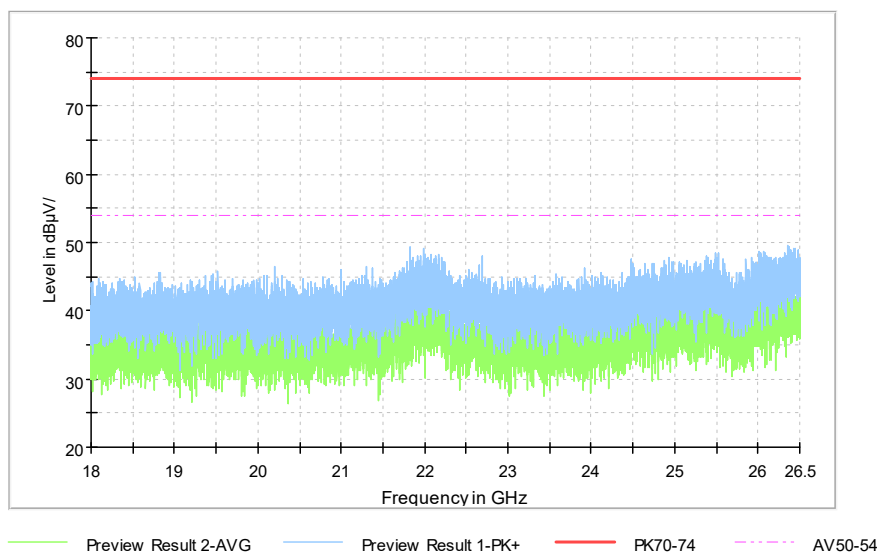
Full Spectrum



Comment

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

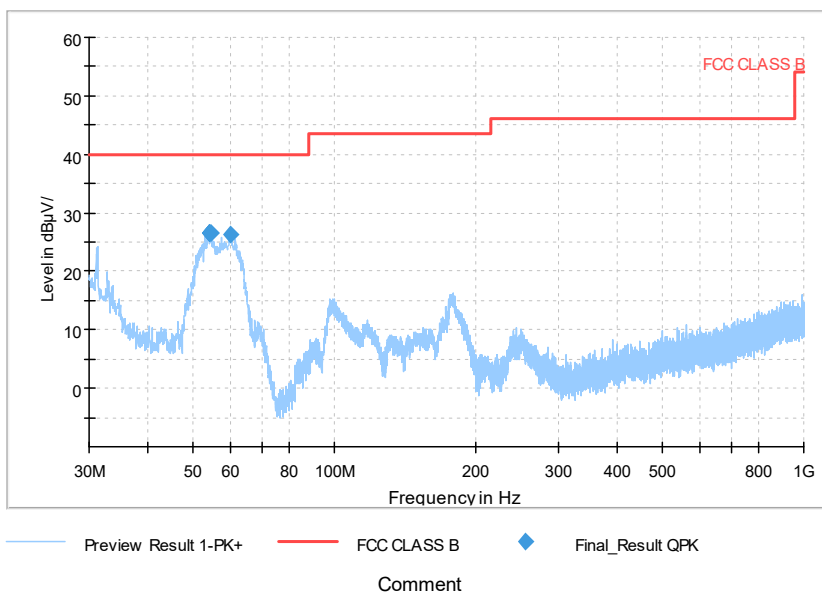
Full Spectrum



Comment

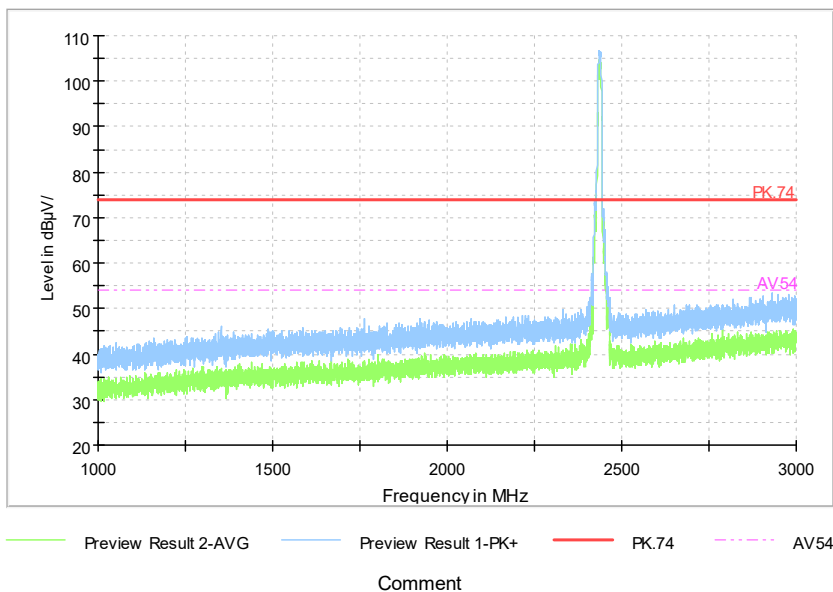
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



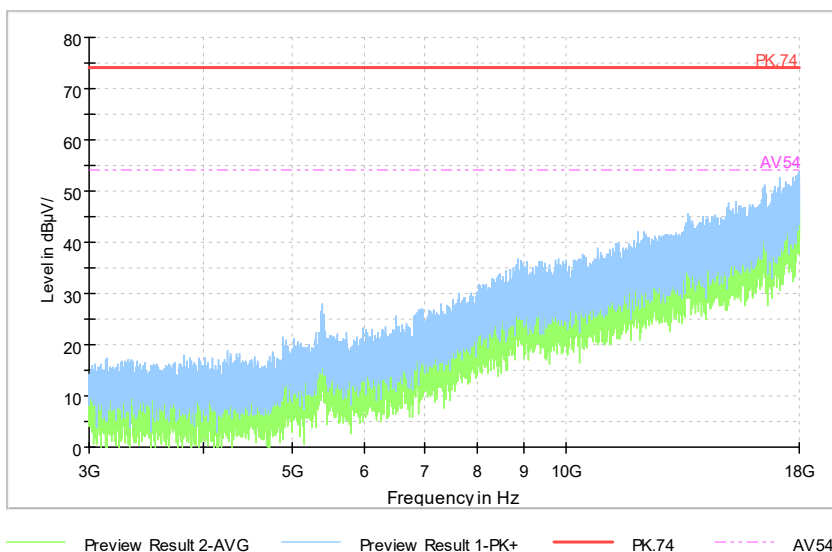
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



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

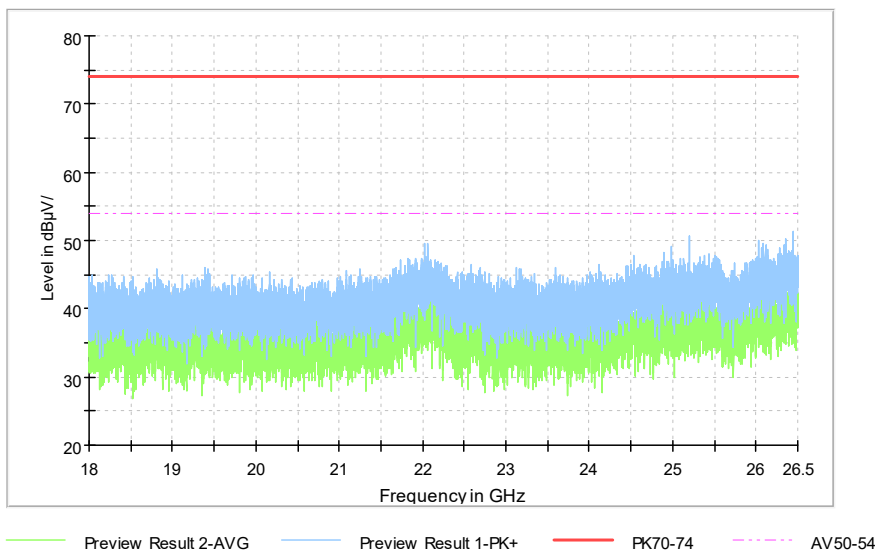
Full Spectrum



Comment

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

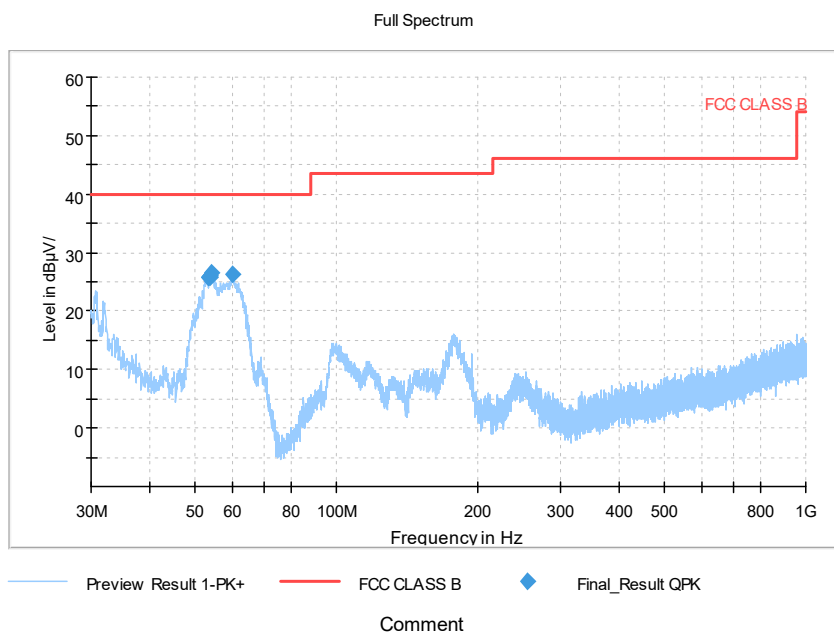
Full Spectrum



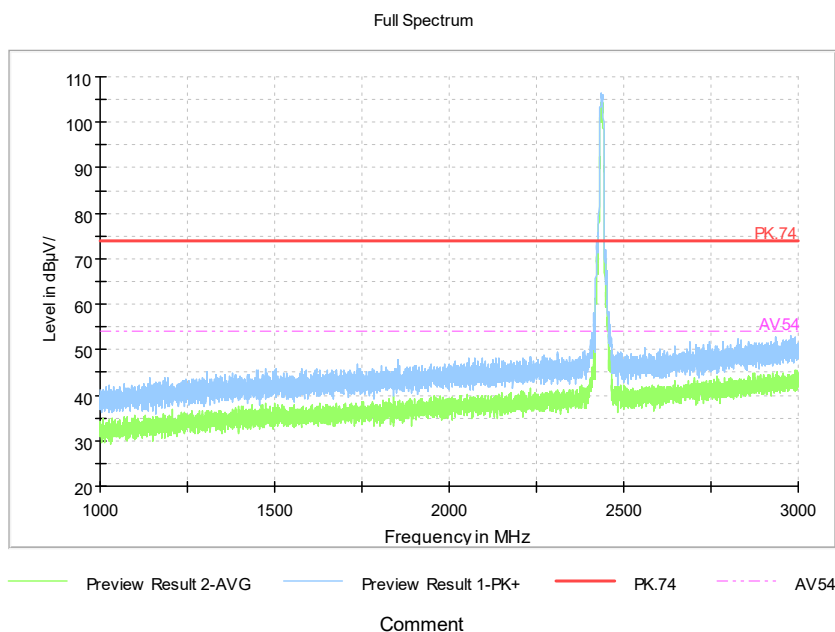
Comment

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

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

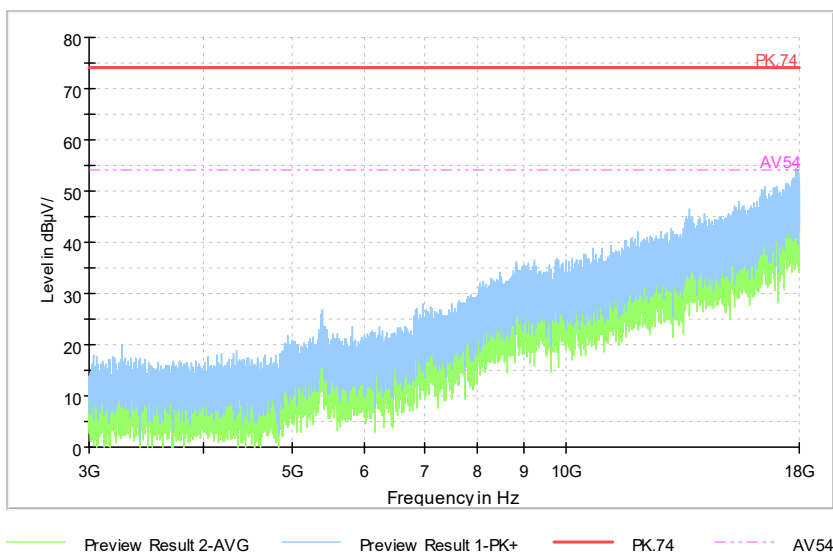


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



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

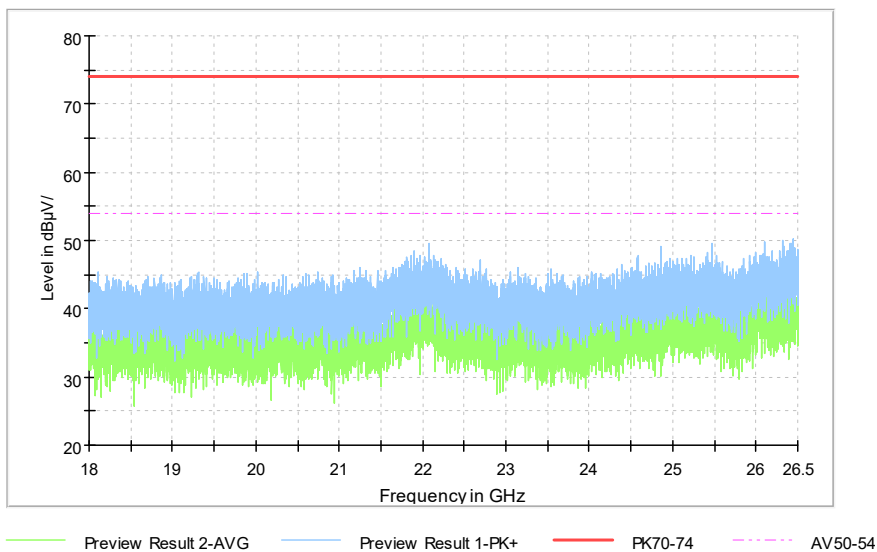
Full Spectrum



Comment

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

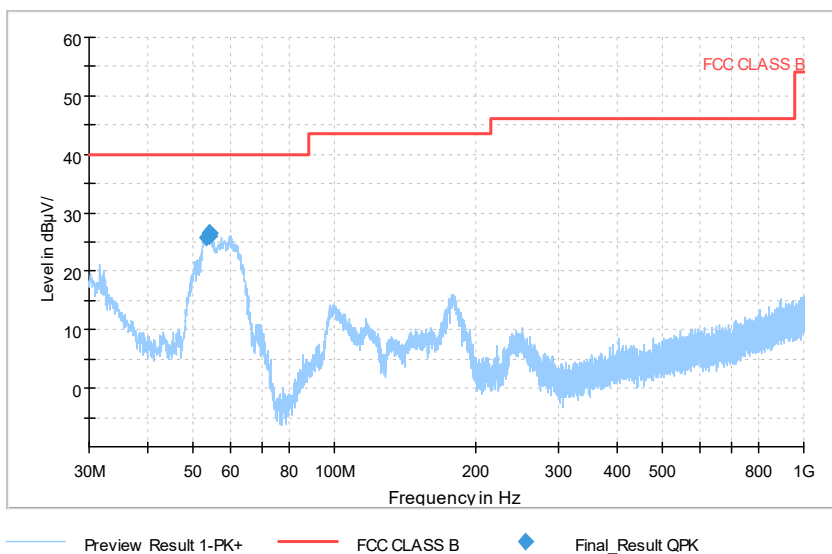
Full Spectrum



Comment

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

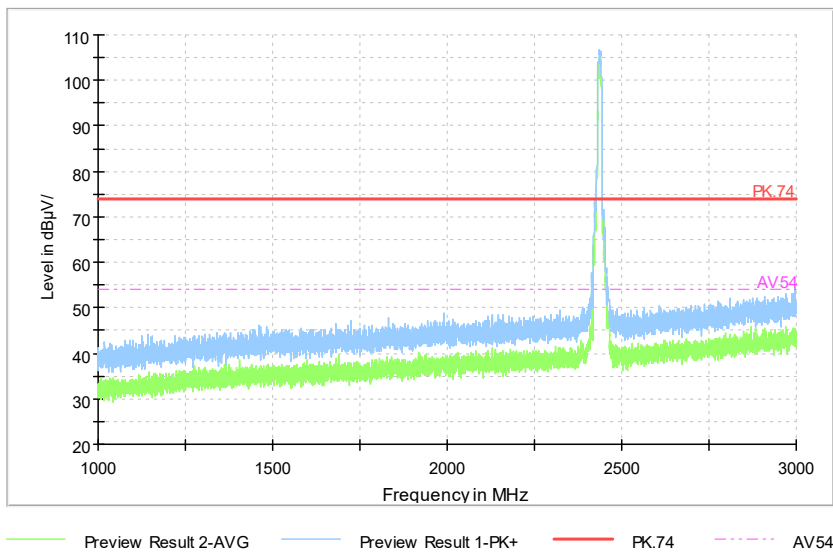
Full Spectrum



Comment

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

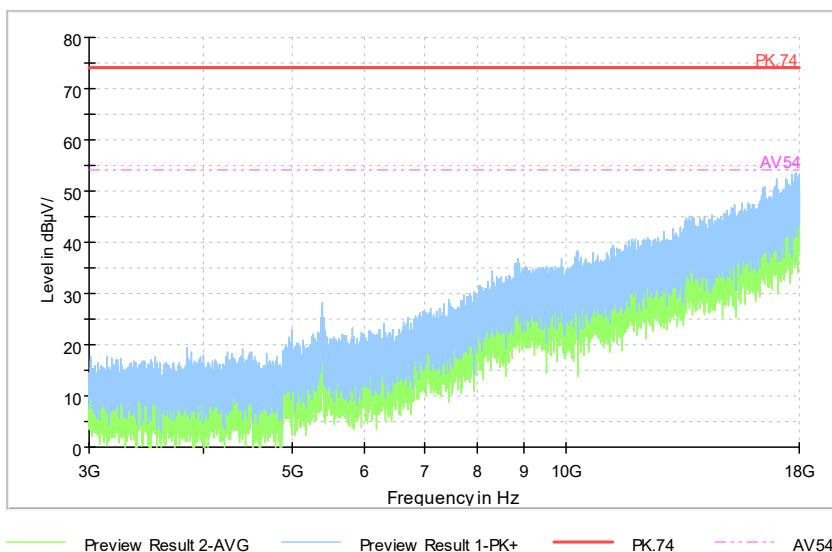
Full Spectrum



Comment

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

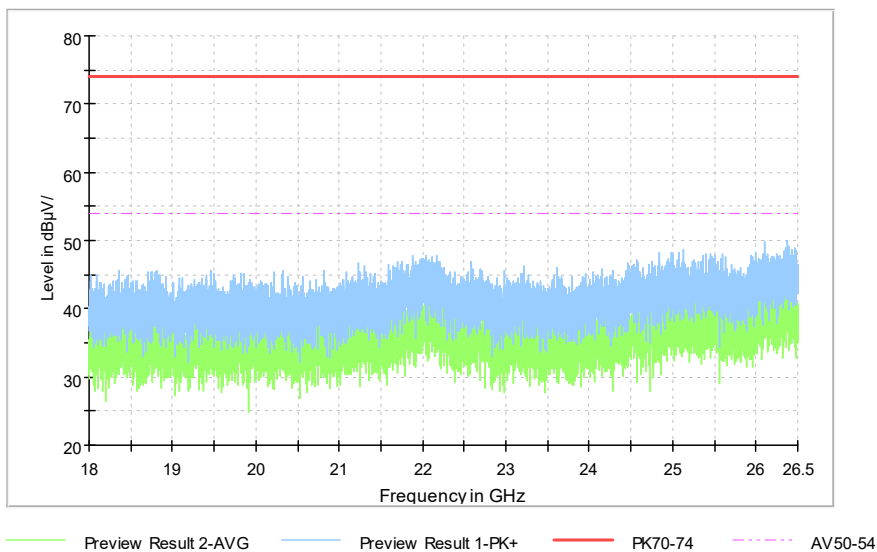
Full Spectrum



Comment

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

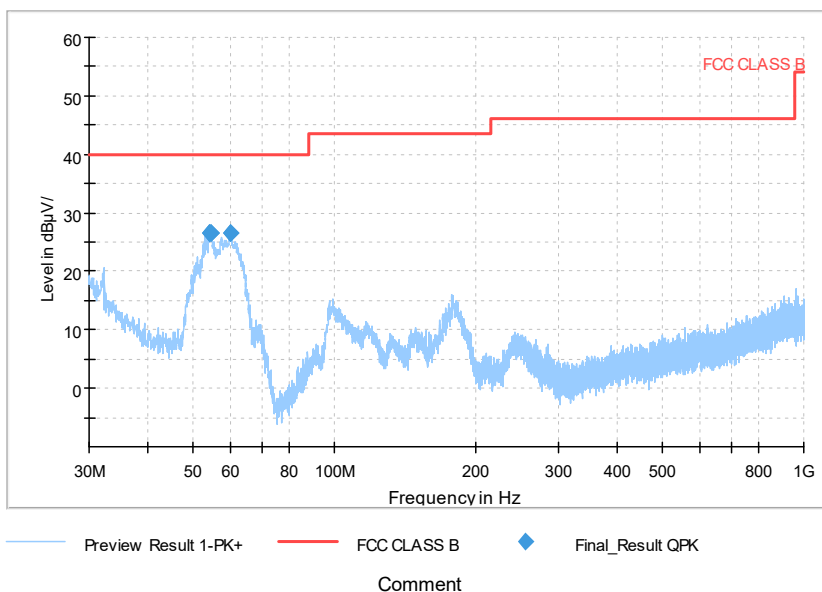
Full Spectrum



Comment

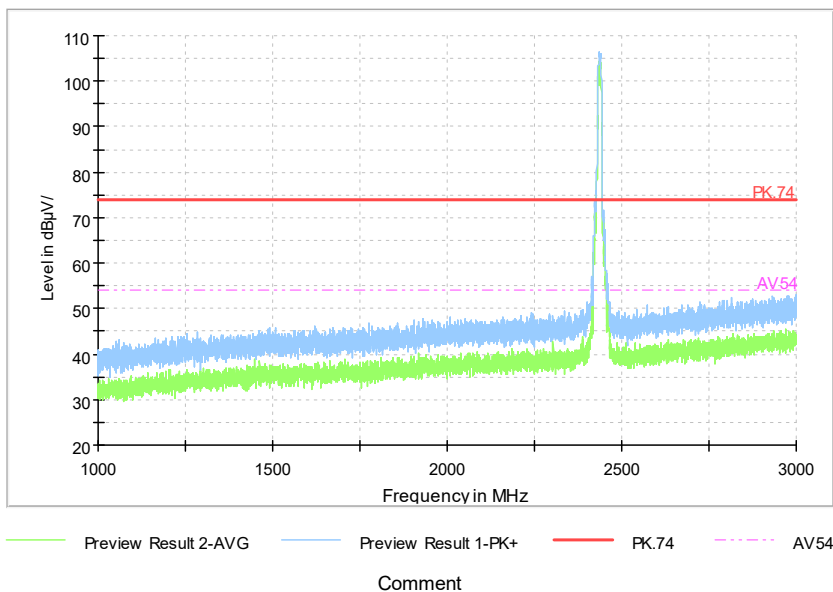
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



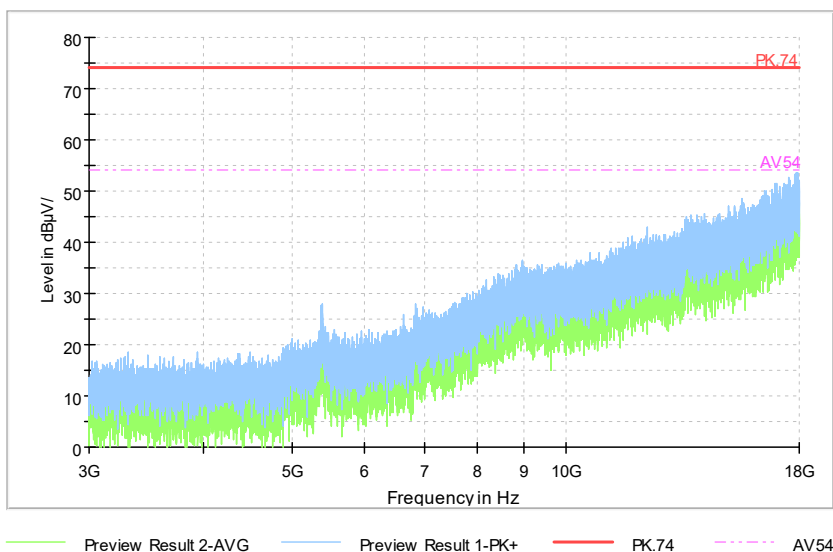
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



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

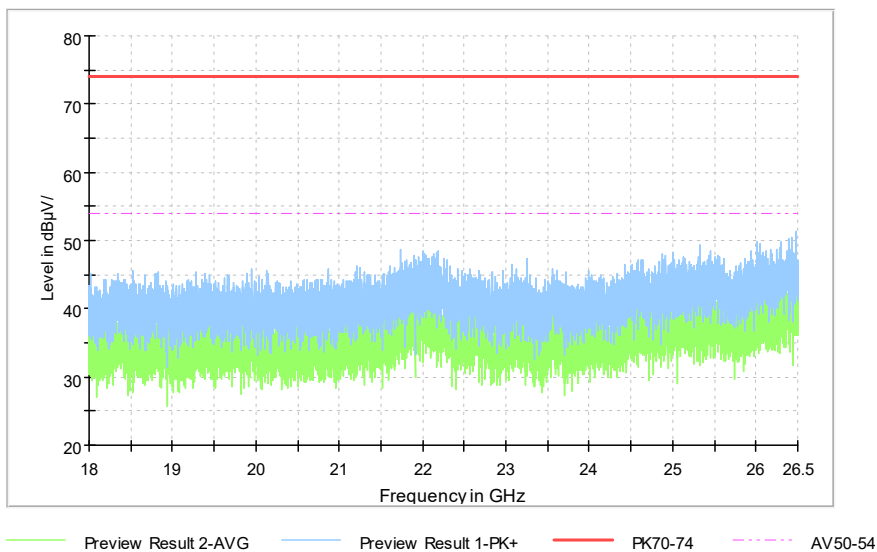
Full Spectrum



Comment

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

Full Spectrum



Comment

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

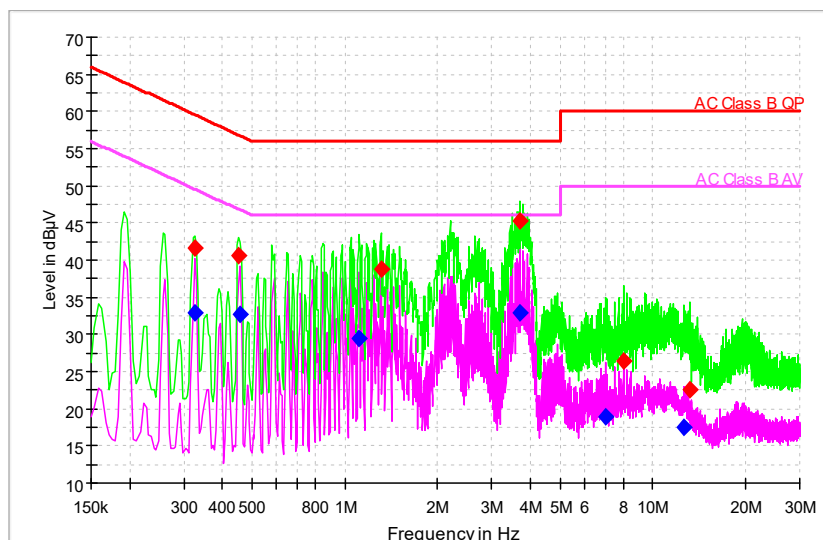
AC Power line Conducted Emission

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

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

Sample calculation: $(41.53 \text{ dB}\mu\text{V}) = (11.83 \text{ dB}\mu\text{V}) + (29.7 \text{ dB})$, the corresponding frequency is 0.324836MHz.



Preview Result 2-AVG AC Class B AV Preview Result 1-PK+ Final_Result QPK AC Class B QP Final_Result AVG

Comment

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)
0.324836	41.53	---	59.58	18.05	L1	29.7	11.83	---
0.324836	---	32.95	49.58	16.63	L1	29.7	---	3.25
0.452764	40.63	---	56.82	16.19	L1	29.7	10.93	---
0.457029	---	32.69	46.75	14.06	L1	29.7	---	2.99
1.113729	---	29.41	46.00	16.59	L1	29.8	---	-0.39
1.309886	38.85	---	56.00	17.15	L1	29.8	9.05	---
3.706414	---	32.99	46.00	13.01	L1	29.8	---	3.19
3.706414	45.28	---	56.00	10.72	L1	29.8	15.48	---
7.019764	---	18.86	50.00	31.14	L1	29.9	---	-11.04
8.068779	26.46	---	60.00	33.54	L1	29.9	-3.44	---
12.669943	---	17.58	50.00	32.42	L1	30.0	---	-12.42
13.237093	22.58	---	60.00	37.42	L1	30.0	-7.42	---

---The end of the test report---