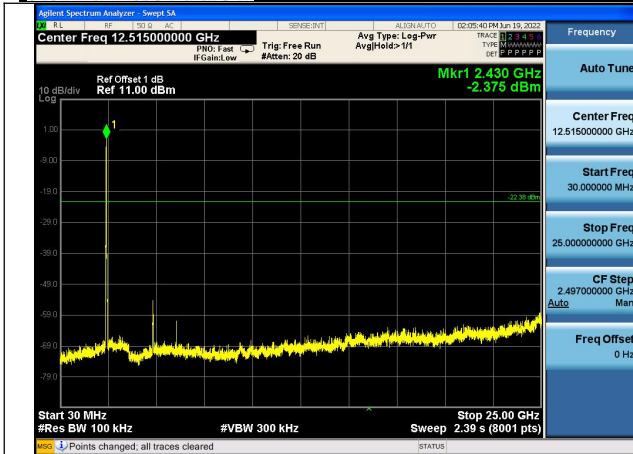
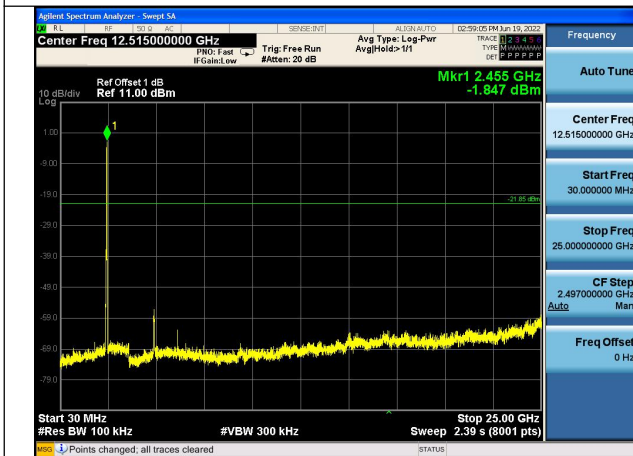




Test Mode:802.11n HT40 2422MHz Chain0



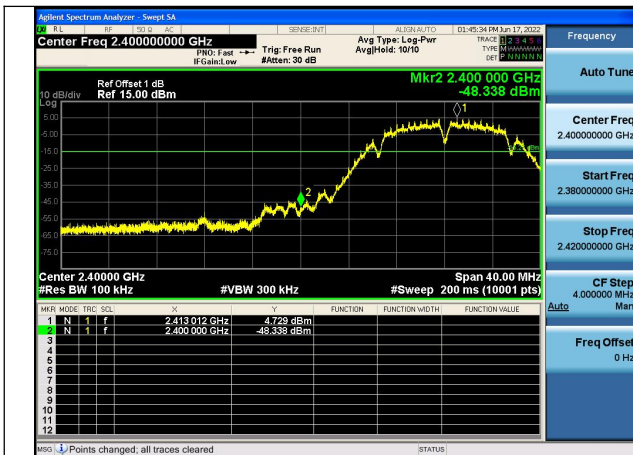
Test Mode:802.11n HT40 2437MHz Chain0



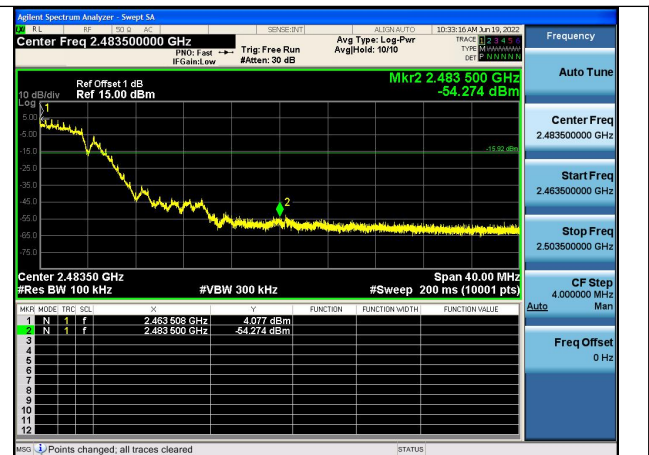
Test Mode:802.11n HT40 2452MHz Chain0

Band edge measurement

Test Mode: 802.11b

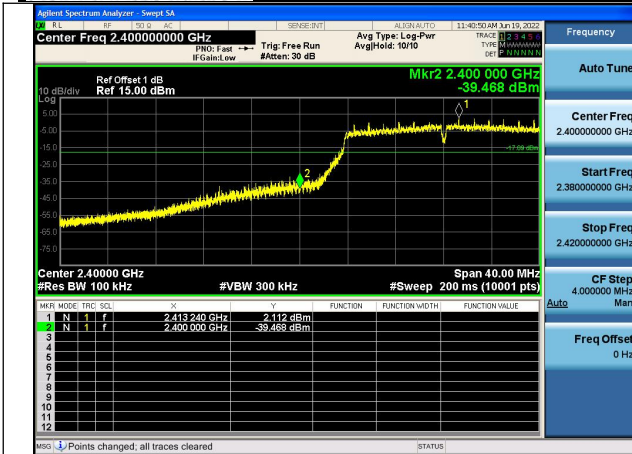


Test Mode:802.11b 2412MHz Chain0



Test Mode:802.11b 2462MHz Chain0

Test Mode: 802.11g

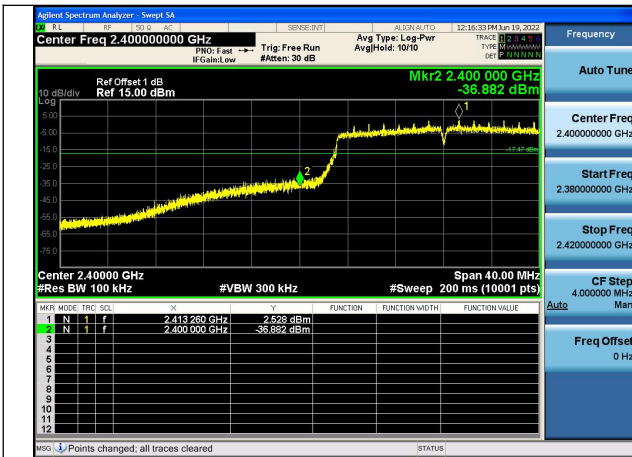


Test Mode:802.11g 2412MHz Chain0



Test Mode:802.11g 2462MHz Chain0

Test Mode: 802.11n HT20

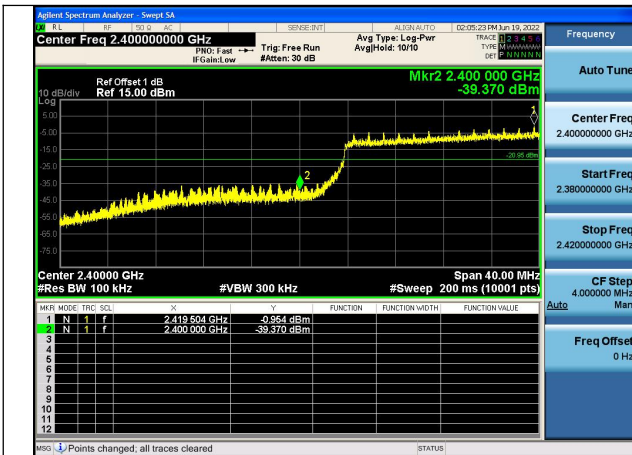


Test Mode:802.11n HT20 2412MHz Chain0

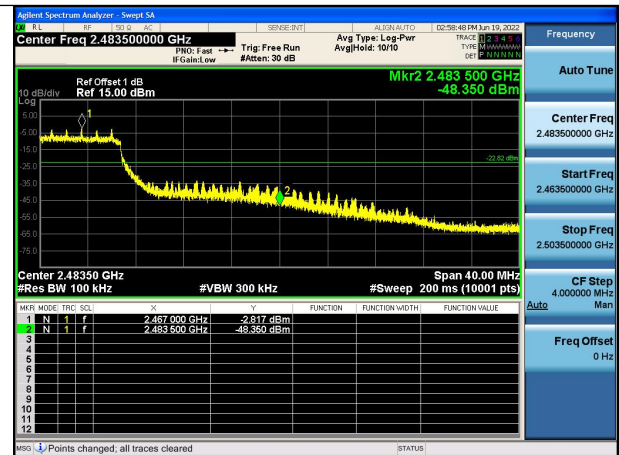


Test Mode:802.11n HT20 2462MHz Chain0

Test Mode: 802.11n HT40



Test Mode:802.11n HT40 2422MHz Chain0



Test Mode:802.11n HT40 2452MHz Chain0

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

Chain0 is selected as the worst case for the test.

Sample calculation: (95.18 dBuV/m) = (61.18 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	95.18	61.18	N/A	N/A	8.90	25.10
2	2390	46.63	12.63	-27.37	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	92.70	58.70	N/A	N/A	8.90	25.10
2	2390	45.33	11.33	-28.67	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	93.06	59.06	N/A	N/A	8.90	25.10
2	2390	35.30	1.30	-18.70	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	90.92	56.92	N/A	N/A	8.90	25.10
2	2390	33.08	-0.92	-20.92	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	97.74	63.74	N/A	N/A	8.90	25.10
2	2483.5	45.94	11.94	-28.06	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	95.25	61.25	N/A	N/A	8.90	25.10
2	2483.5	43.13	9.13	-30.87	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	93.27	59.27	N/A	N/A	8.90	25.10
2	2483.5	35.16	1.16	-18.84	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	90.71	56.71	N/A	N/A	8.90	25.10
2	2483.5	33.05	-0.95	-20.95	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	95.85	61.85	N/A	N/A	8.90	25.10
2	2390	45.21	11.21	-28.79	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	93.75	59.75	N/A	N/A	8.90	25.10
2	2390	43.76	9.76	-30.24	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	92.20	58.20	N/A	N/A	8.90	25.10
2	2390	36.98	2.98	-17.02	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	90.10	56.10	N/A	N/A	8.90	25.10
2	2390	35.33	1.33	-18.67	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	97.25	63.25	N/A	N/A	8.90	25.10
2	2483.5	45.33	11.33	-28.67	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	94.46	60.46	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
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	92.10	58.10	N/A	N/A	8.90	25.10
2	2483.5	35.22	1.22	-18.78	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	89.26	55.26	N/A	N/A	8.90	25.10
2	2483.5	34.02	0.02	-19.98	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	95.21	61.21	N/A	N/A	8.90	25.10
2	2390	45.21	11.21	-28.79	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	92.62	58.62	N/A	N/A	8.90	25.10
2	2390	43.44	9.44	-30.56	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	93.52	59.52	N/A	N/A	8.90	25.10
2	2390	35.69	1.69	-18.31	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	91.11	57.11	N/A	N/A	8.90	25.10
2	2390	33.69	-0.31	-20.31	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	97.53	63.53	N/A	N/A	8.90	25.10
2	2483.5	45.21	11.21	-28.79	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	95.10	61.10	N/A	N/A	8.90	25.10
2	2483.5	42.57	8.57	-31.43	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	93.15	59.15	N/A	N/A	8.90	25.10
2	2483.5	36.43	2.43	-17.57	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	90.92	56.92	N/A	N/A	8.90	25.10
2	2483.5	34.21	0.21	-19.79	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	95.13	61.13	N/A	N/A	8.90	25.10
2	2390	46.47	12.47	-27.53	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	92.66	58.66	N/A	N/A	8.90	25.10
2	2390	43.93	9.93	-30.07	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	92.31	58.31	N/A	N/A	8.90	25.10
2	2390	35.13	1.13	-18.87	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	90.00	56.00	N/A	N/A	8.90	25.10
2	2390	33.37	-0.63	-20.63	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	94.75	60.75	N/A	N/A	8.90	25.10
2	2483.5	45.48	11.48	-28.52	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	92.51	58.51	N/A	N/A	8.90	25.10
2	2483.5	42.61	8.61	-31.39	74.00	8.90	25.10

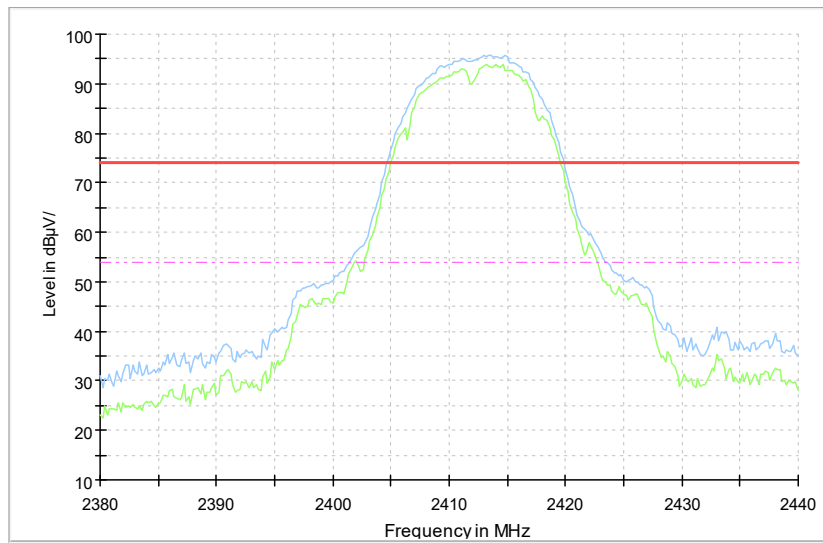
Carrier frequency (MHz): 2452
Channel No.:9
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	93.47	59.47	N/A	N/A	8.90	25.10
2	2483.5	36.13	2.13	-17.87	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.9
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	90.75	56.75	N/A	N/A	8.90	25.10
2	2483.5	34.79	0.79	-19.21	54.00	8.90	25.10

Full Spectrum



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:

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

Sample calculation: (28.63 dBμV/m) = (48.53 dBμV/m) + (-19.9 dB), the corresponding frequency is 35.189500MHz.

Chain0 is selected as the worst case for the test.

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)
35.189500	28.63	-19.9	48.53	Vertical	40.00
72.680000	22.72	-22.7	45.42	Vertical	40.00
138.397500	23.47	-22.7	46.17	Vertical	43.50
191.844500	16.71	-19.5	36.21	Vertical	43.50
543.663500	13.67	-9.8	23.47	Vertical	46.00
956.544000	15.89	-2.6	18.49	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.674500	28.35	-19.7	48.05	Vertical	40.00
72.631500	22.83	-22.7	45.53	Vertical	40.00
137.427500	24.22	-22.7	46.92	Vertical	43.50
186.849000	16.57	-20.0	36.57	Vertical	43.50
555.740000	12.82	-9.5	22.32	Vertical	46.00
934.185500	15.69	-2.8	18.49	Vertical	46.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
36.014000	27.83	-19.6	47.43	Vertical	40.00
72.437500	22.68	-22.7	45.38	Vertical	40.00
137.427500	24.19	-22.7	46.89	Vertical	43.50
190.147000	16.63	-19.6	36.23	Vertical	43.50
554.818500	12.92	-9.6	22.52	Vertical	46.00
953.973500	15.78	-2.7	18.48	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.723000	28.52	-19.7	48.22	Vertical	40.00
72.340500	22.66	-22.6	45.26	Vertical	40.00
137.815500	24.01	-22.7	46.71	Vertical	43.50
186.849000	16.45	-20.0	36.45	Vertical	43.50
535.758000	13.21	-10.0	23.21	Vertical	46.00
941.169500	15.77	-2.8	18.57	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.529000	28.35	-19.8	48.15	Vertical	40.00
72.680000	22.78	-22.7	45.48	Vertical	40.00
138.591500	23.61	-22.7	46.31	Vertical	43.50
188.789000	15.86	-19.8	35.66	Vertical	43.50
407.427000	12.44	-12.9	25.34	Vertical	46.00
953.537000	15.84	-2.7	18.54	Vertical	46.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.529000	28.43	-19.8	48.23	Vertical	40.00
72.777000	22.70	-22.8	45.50	Vertical	40.00
137.961000	23.93	-22.7	46.63	Vertical	43.50
192.717500	16.35	-19.5	35.85	Vertical	43.50
554.527500	12.98	-9.6	22.58	Vertical	46.00
860.271500	15.19	-4.0	19.19	Vertical	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
36.014000	28.19	-19.6	47.79	Vertical	40.00
72.777000	22.66	-22.8	45.46	Vertical	40.00
137.476000	24.31	-22.7	47.01	Vertical	43.50
189.710500	16.21	-19.6	35.81	Vertical	43.50
543.081500	13.80	-9.8	23.60	Vertical	46.00
942.770000	15.81	-2.8	18.61	Vertical	46.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.432000	28.86	-19.8	48.66	Vertical	40.00
72.631500	22.53	-22.7	45.23	Vertical	40.00
137.233500	24.36	-22.7	47.06	Vertical	43.50
189.516500	15.88	-19.7	35.58	Vertical	43.50
548.562000	13.39	-9.7	23.09	Vertical	46.00
935.301000	15.78	-2.8	18.58	Vertical	46.00

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.820000	28.60	-19.7	48.30	Vertical	40.00
72.389000	22.34	-22.7	45.04	Vertical	40.00
137.282000	24.27	-22.7	46.97	Vertical	43.50
191.747500	16.54	-19.5	36.04	Vertical	43.50
544.148500	13.63	-9.8	23.43	Vertical	46.00
922.206000	15.65	-3.0	18.65	Vertical	46.00

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
30.485000	26.63	-21.1	47.73	Vertical	40.00
72.874000	22.47	-22.8	45.27	Vertical	40.00
138.494500	23.97	-22.7	46.67	Vertical	43.50
191.311000	16.52	-19.6	36.12	Vertical	43.50
543.178500	13.82	-9.8	23.62	Vertical	46.00
910.178000	15.64	-3.1	18.74	Vertical	46.00

For 802.11n(HT40) Channel No.:6

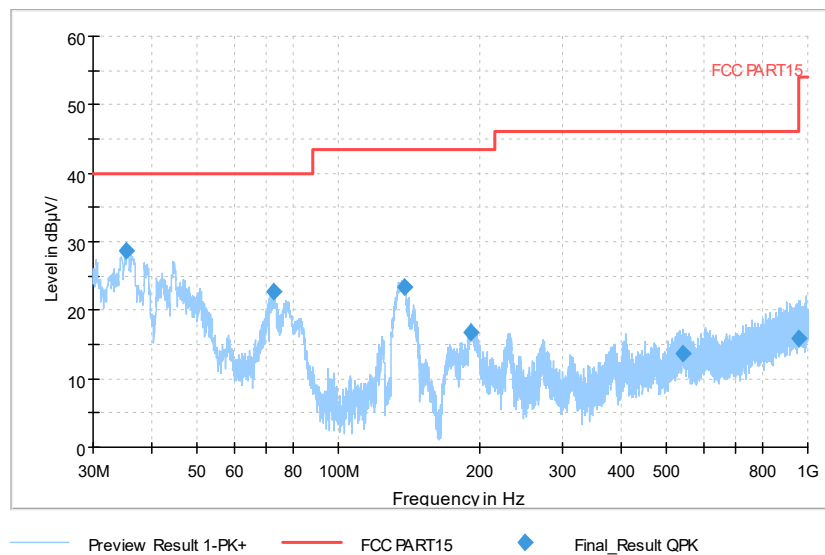
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.335000	28.03	-19.8	47.83	Vertical	40.00
72.534500	22.51	-22.7	45.21	Vertical	40.00
138.106500	24.44	-22.7	47.14	Vertical	43.50
190.001500	16.30	-19.6	35.90	Vertical	43.50
539.686500	13.48	-9.9	23.38	Vertical	46.00
918.956500	15.57	-3.0	18.57	Vertical	46.00

For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.238000	28.04	-19.9	47.94	Vertical	40.00
73.019500	22.21	-22.8	45.01	Vertical	40.00
138.106500	24.48	-22.7	47.18	Vertical	43.50
186.800500	15.86	-20.0	35.86	Vertical	43.50
555.255000	12.97	-9.5	22.47	Vertical	46.00
923.855000	15.57	-3.0	18.57	Vertical	46.00

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

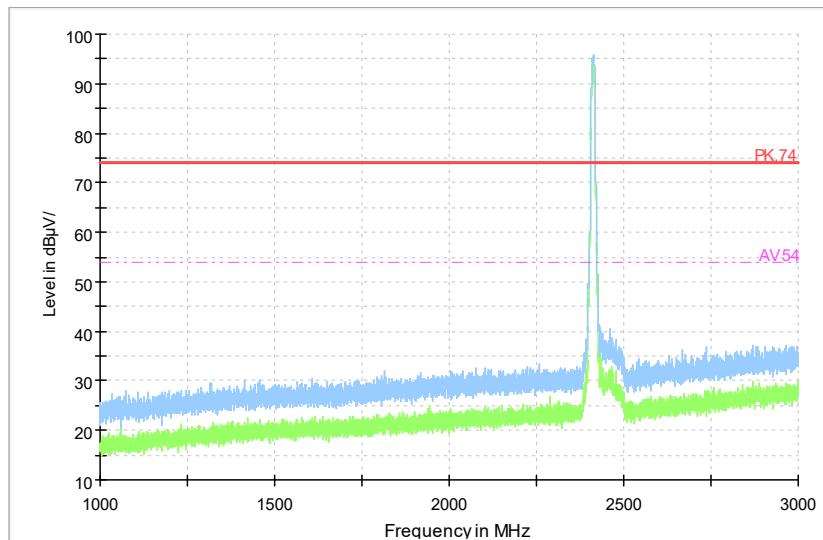
Full Spectrum



Comment

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

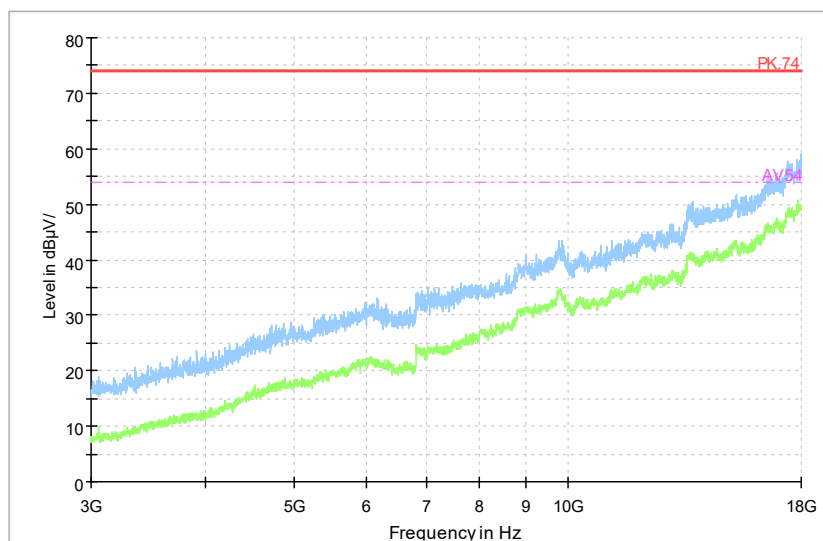
Full Spectrum



Comment

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

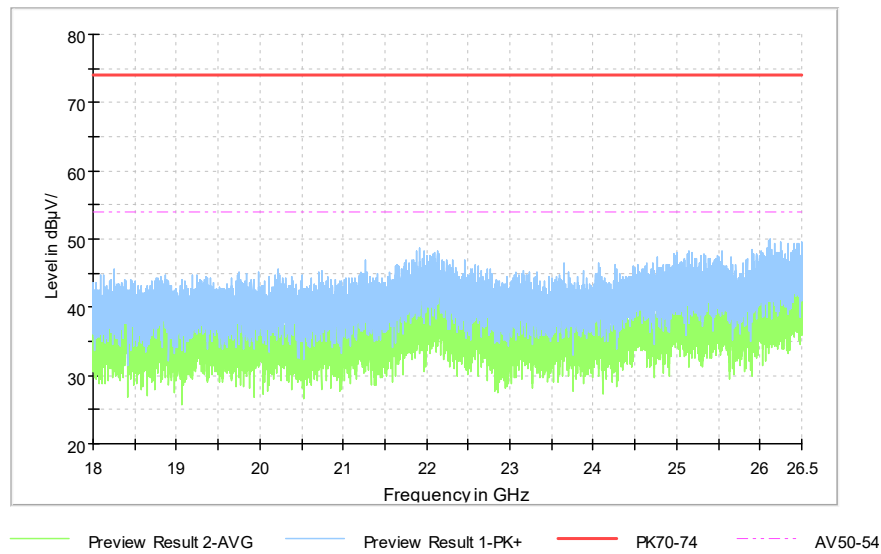
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

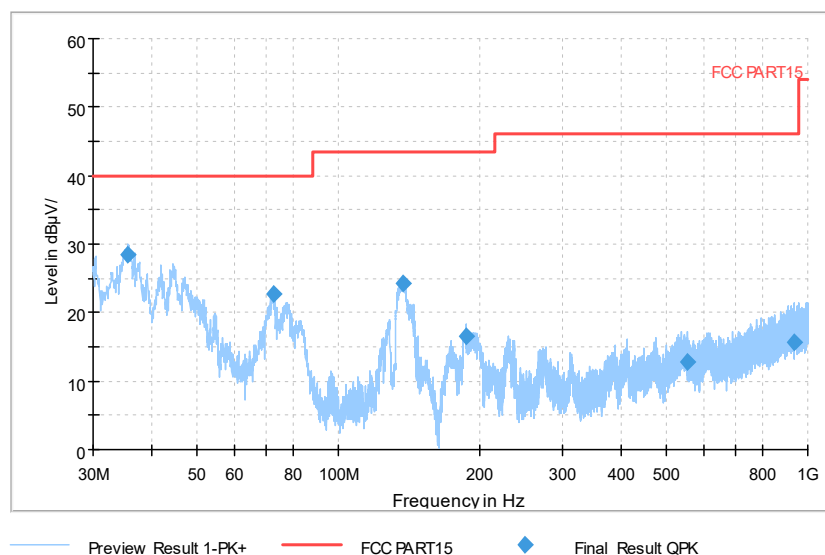
Full Spectrum



Comment

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

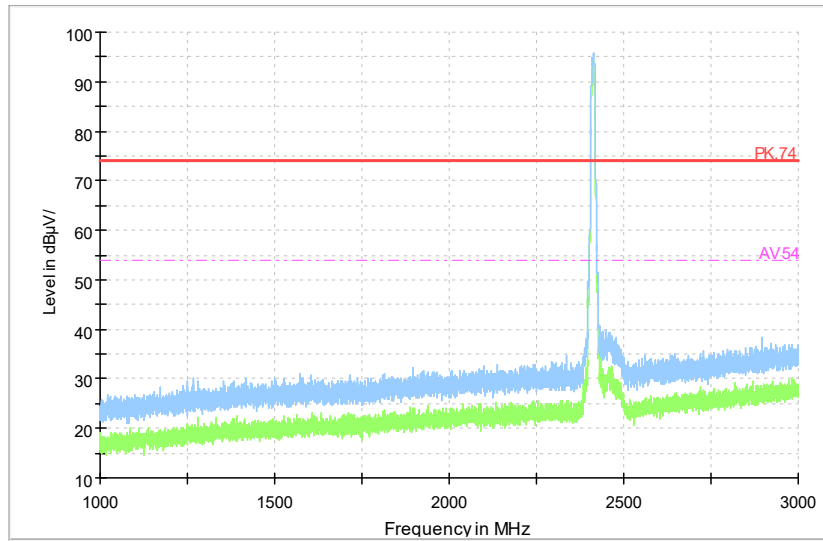
Full Spectrum



Comment

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

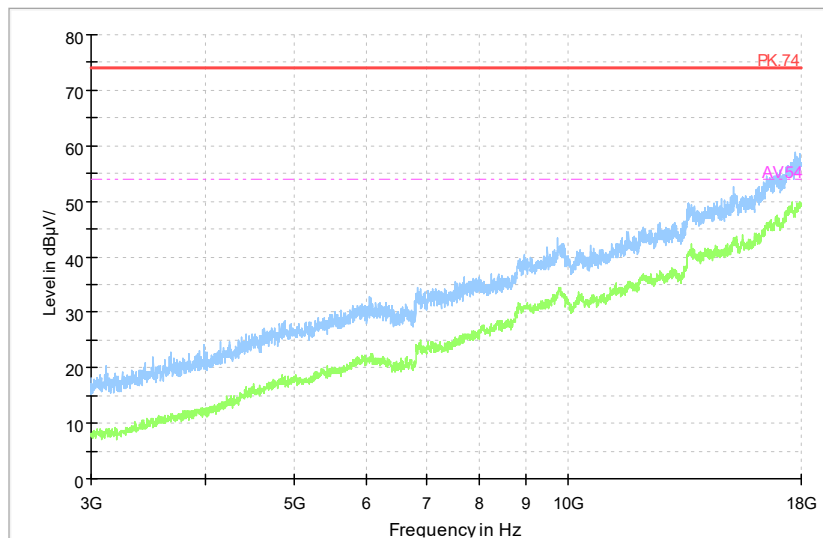
Full Spectrum



Comment

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

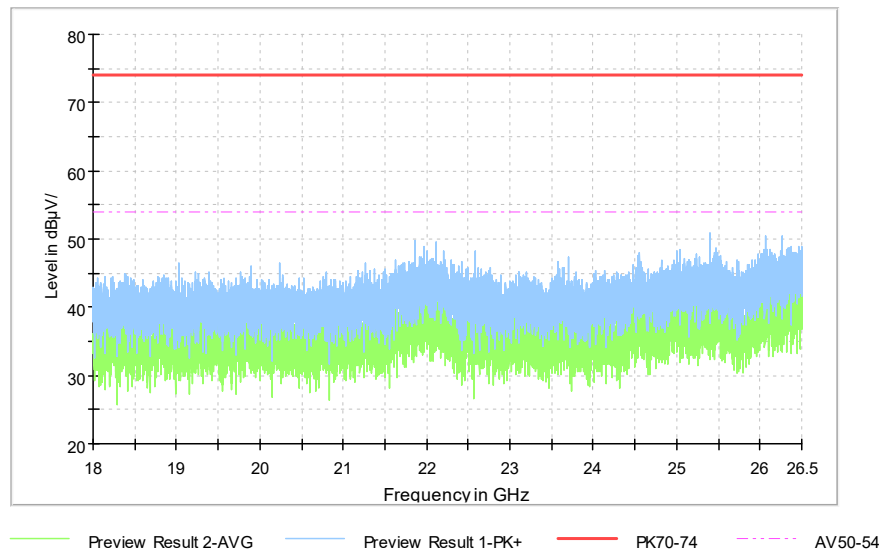
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

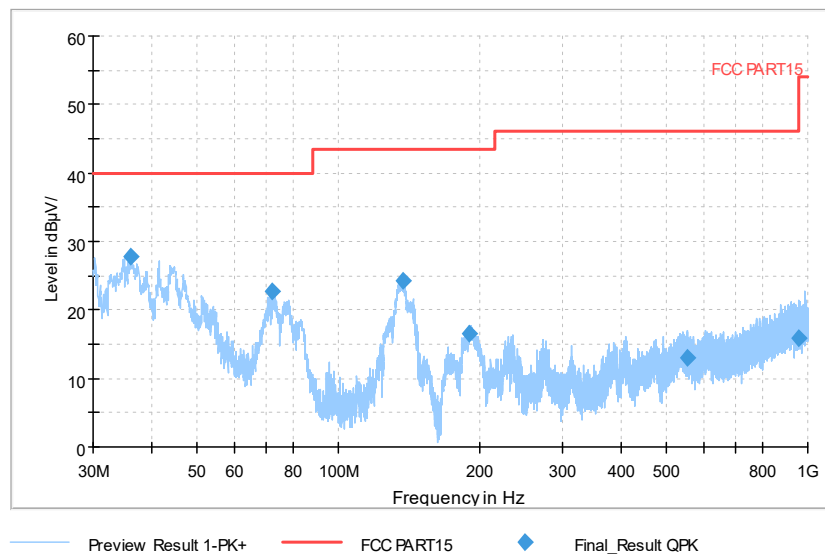
Full Spectrum



Comment

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

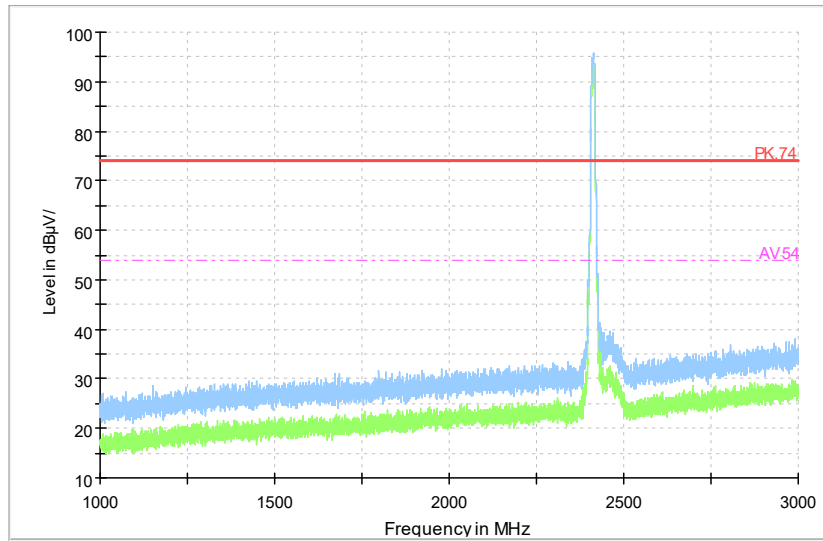
Full Spectrum



Comment

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

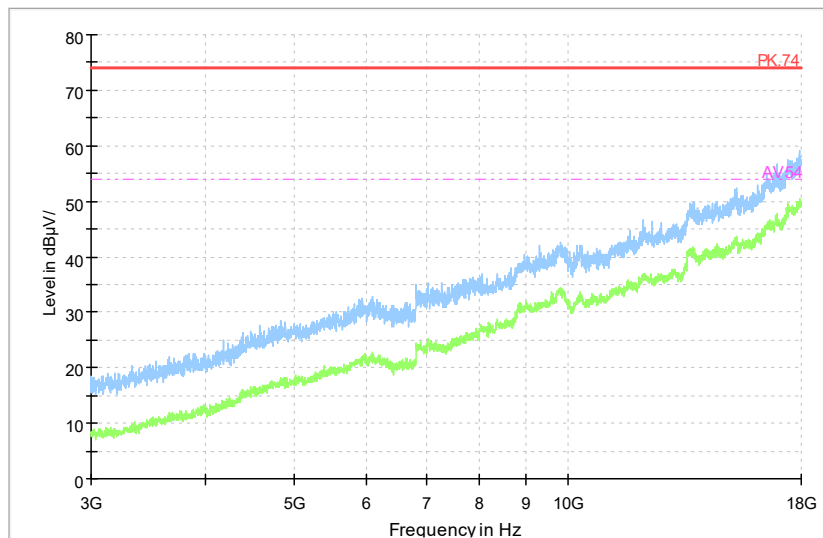
Full Spectrum



Comment

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

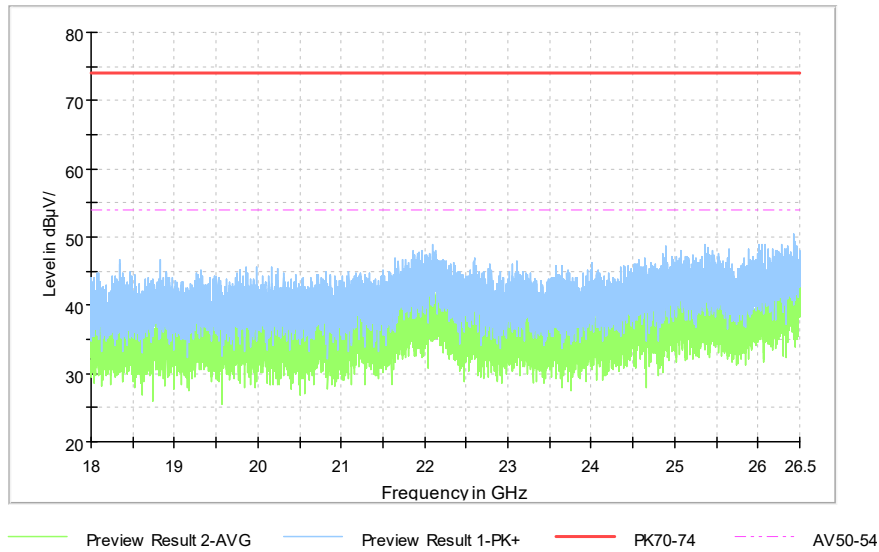
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum

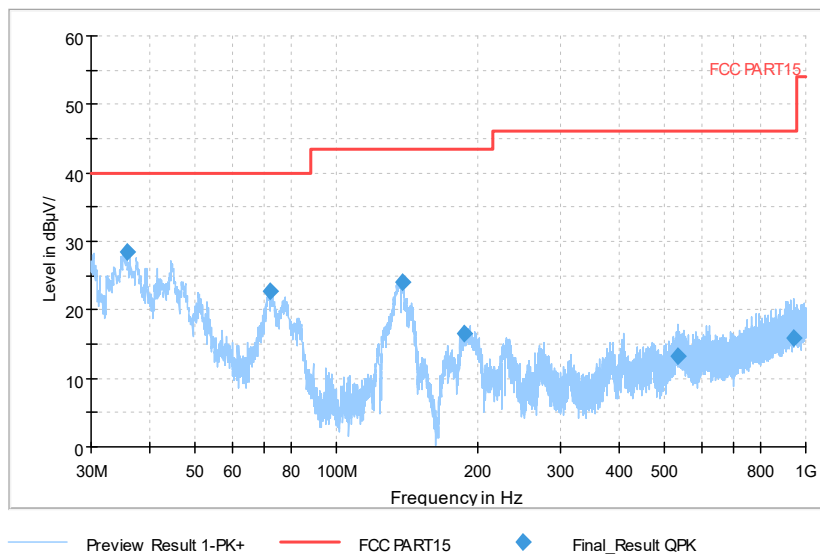


Comment

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

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

Full Spectrum

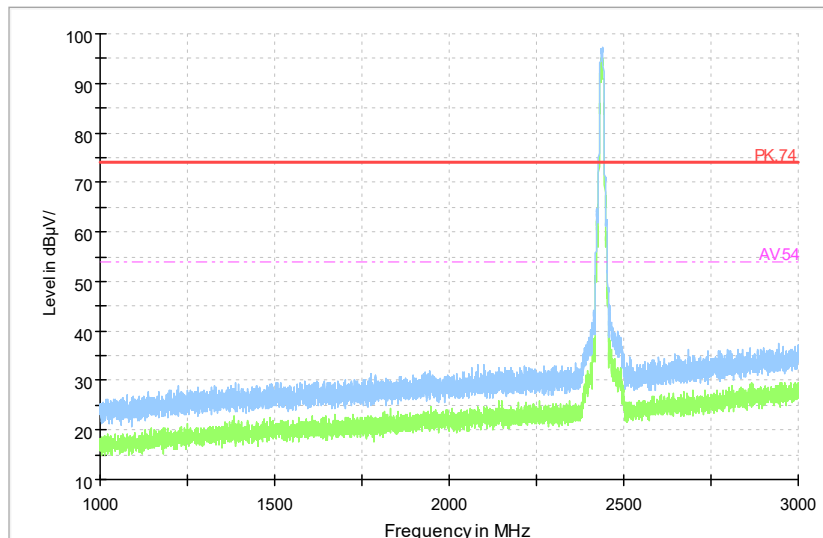


Comment

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

Test Mode: 802.11b

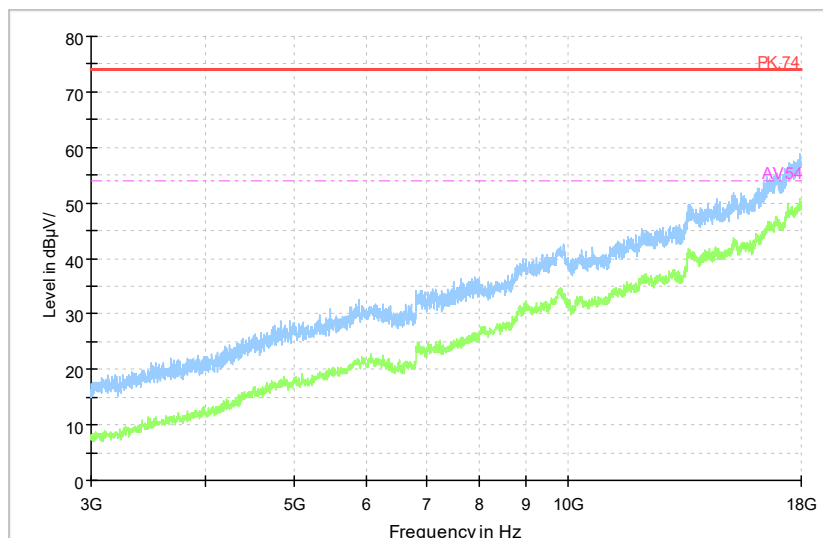
Full Spectrum



Comment

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

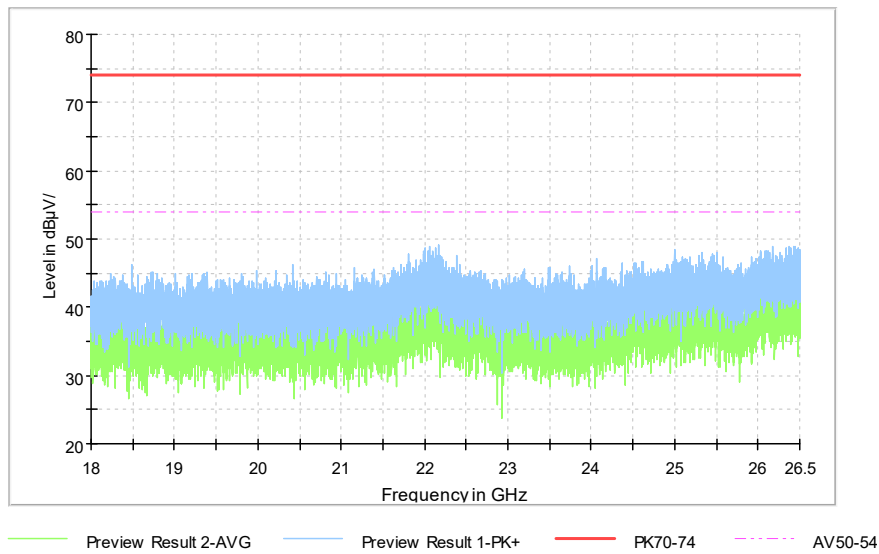
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

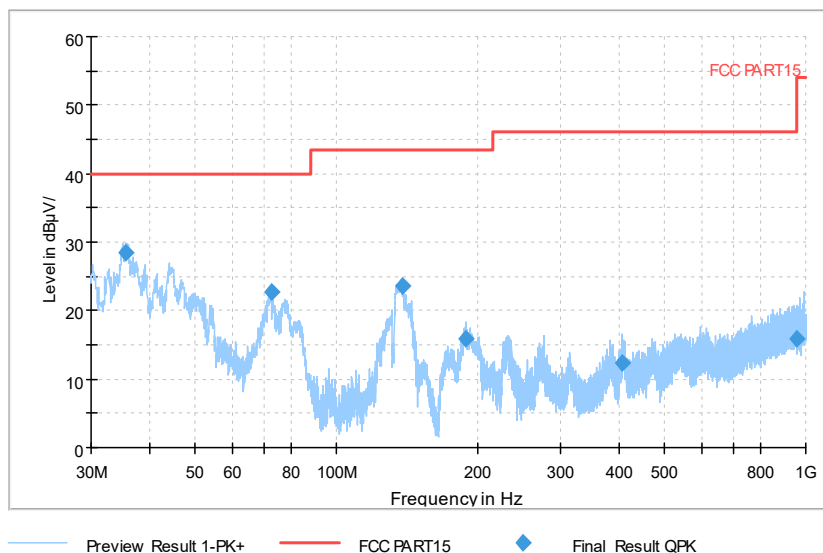
Full Spectrum



Comment

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

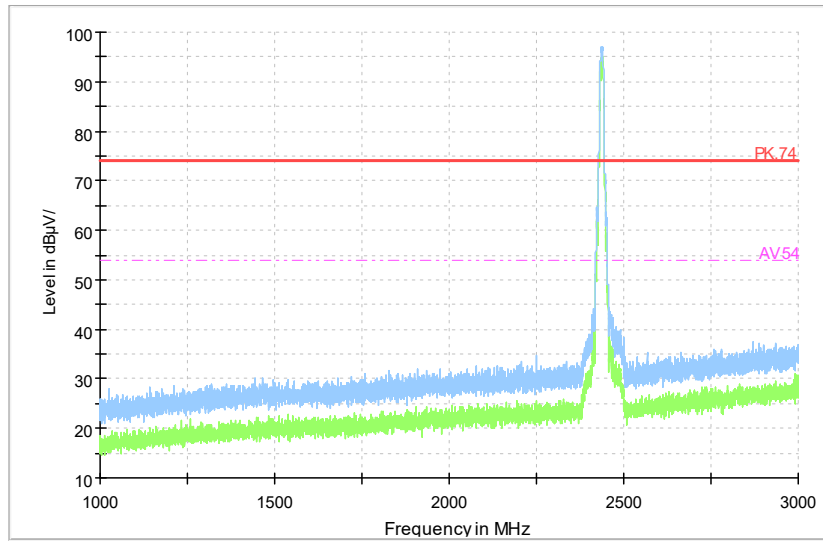
Full Spectrum



Comment

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

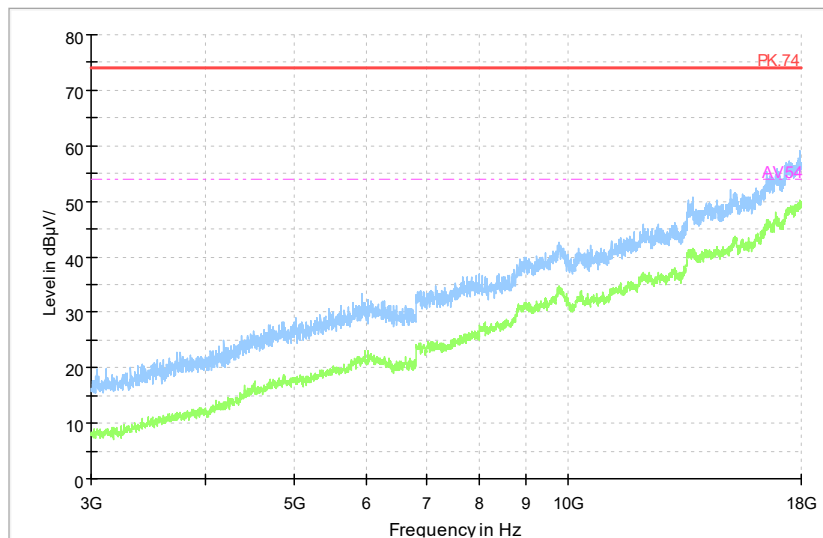
Full Spectrum



Comment

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

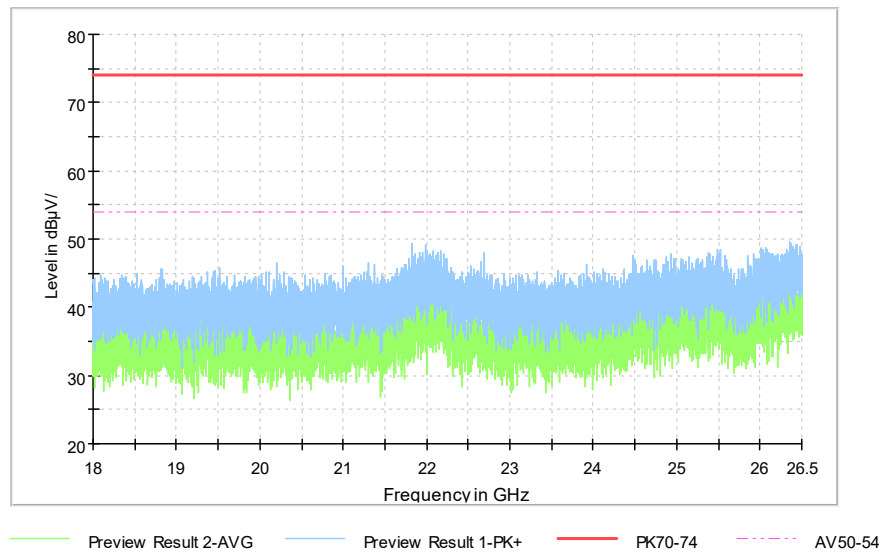
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

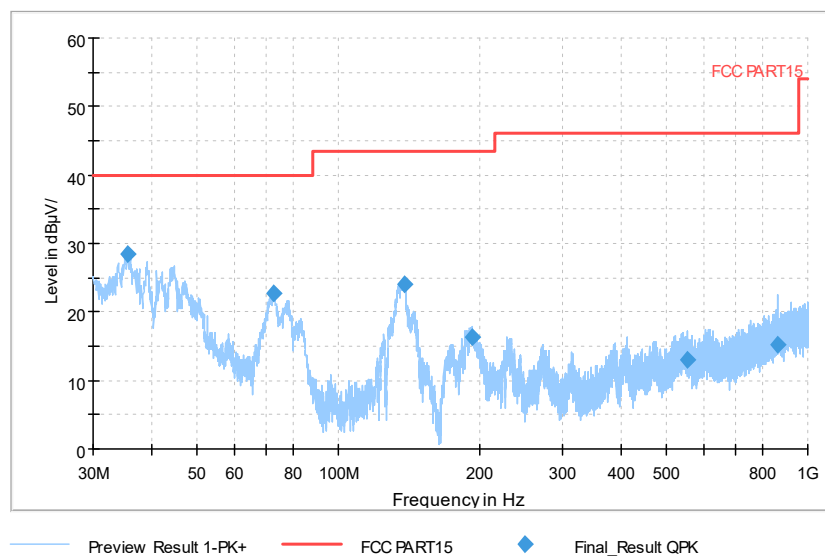
Full Spectrum



Comment

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

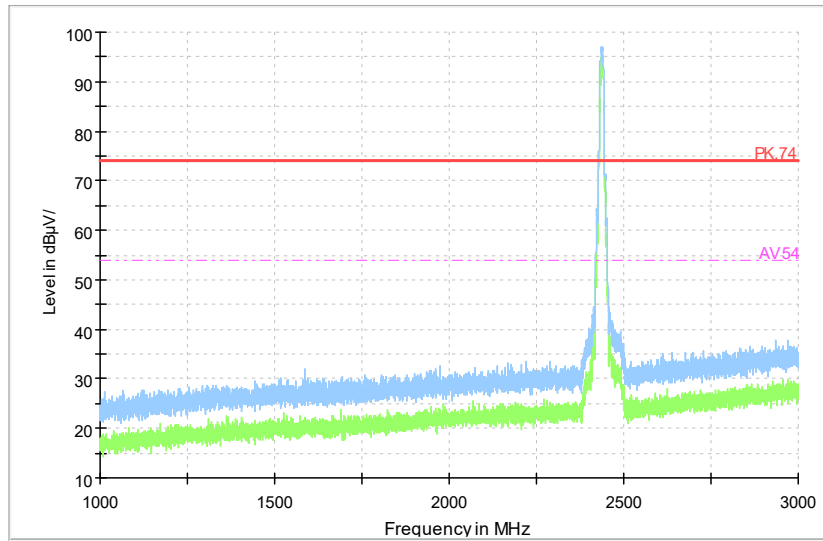
Full Spectrum



Comment

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

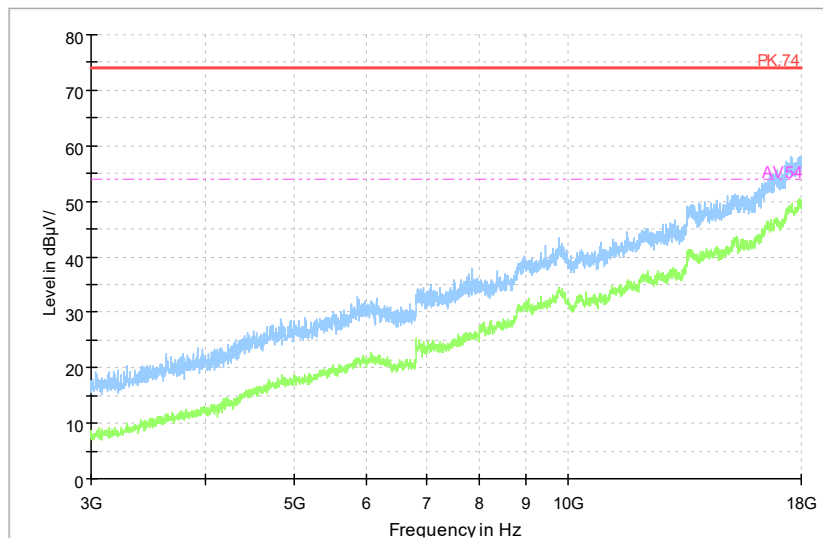
Full Spectrum



Comment

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

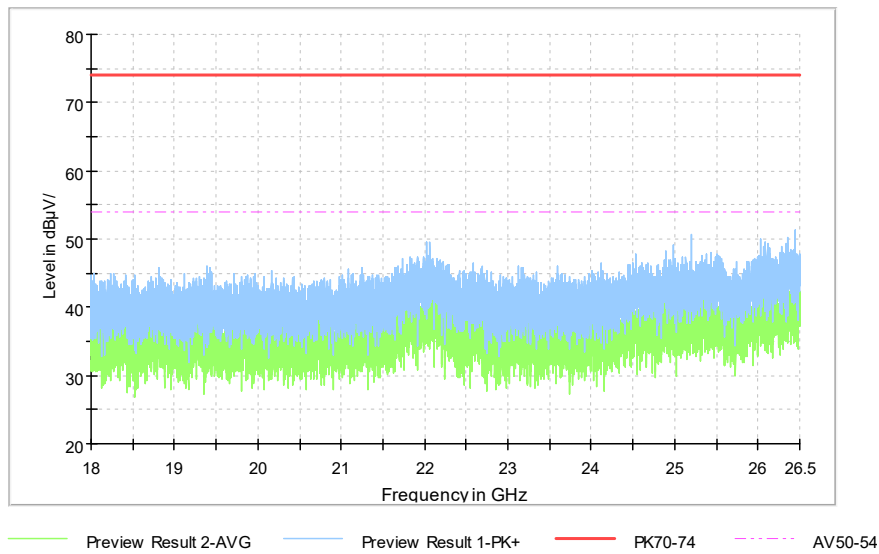
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum

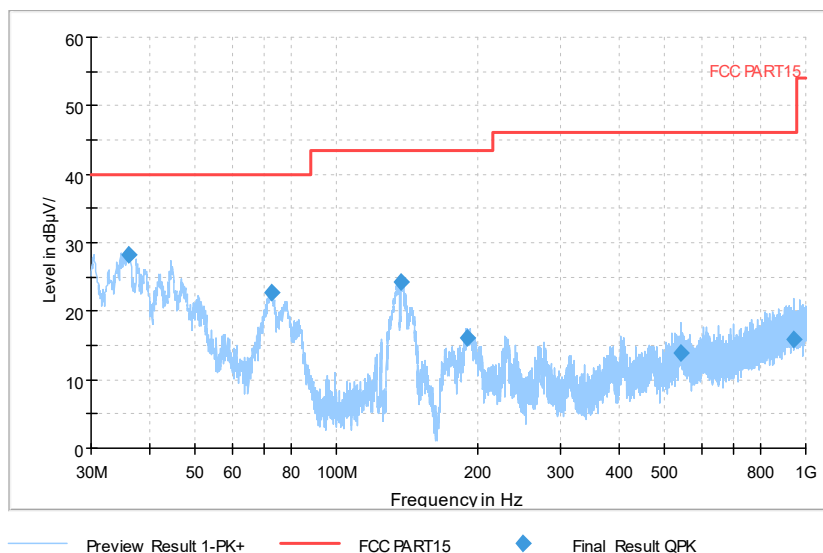


Comment

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

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

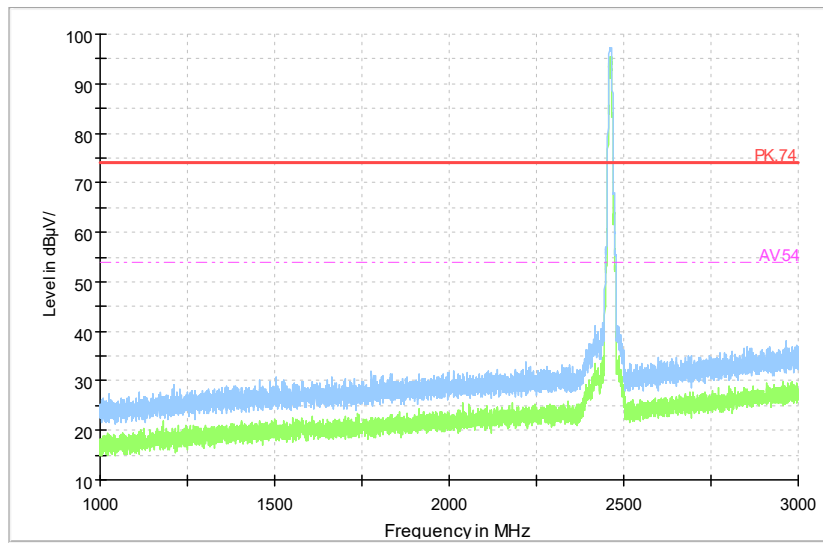
Full Spectrum



Comment

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

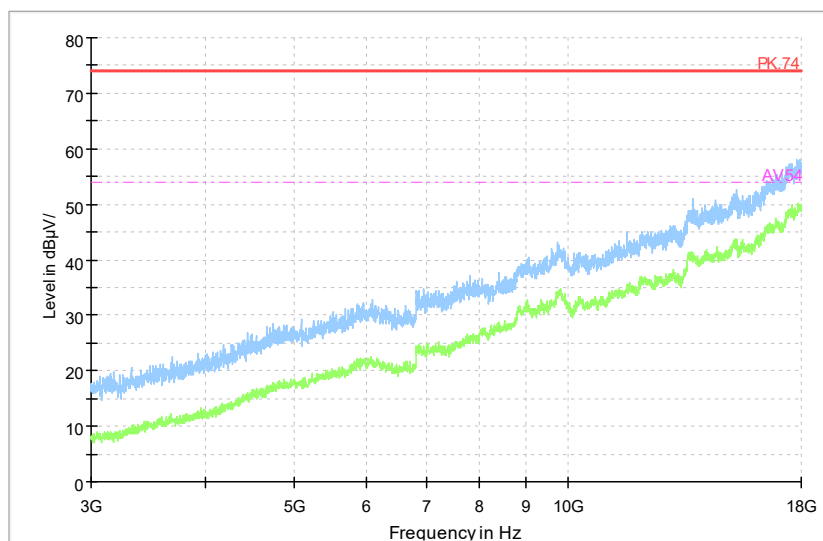
Full Spectrum



Comment

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

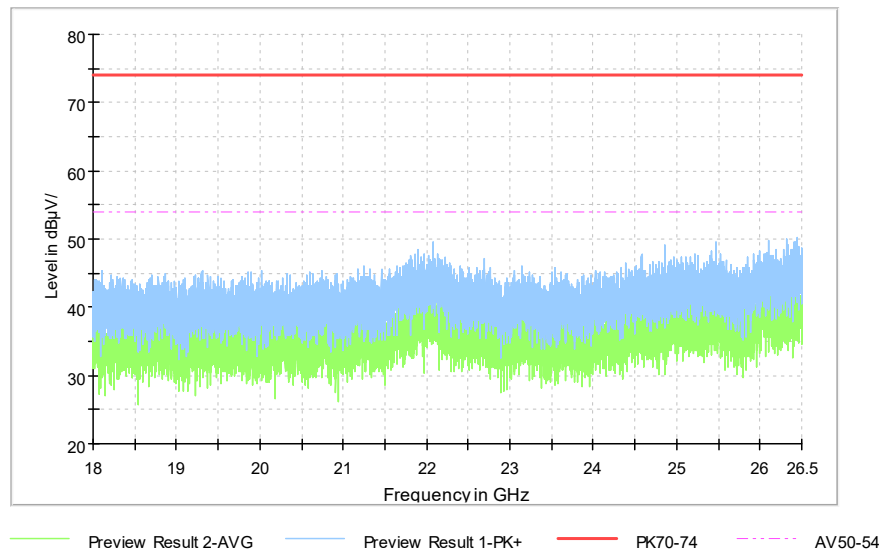
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

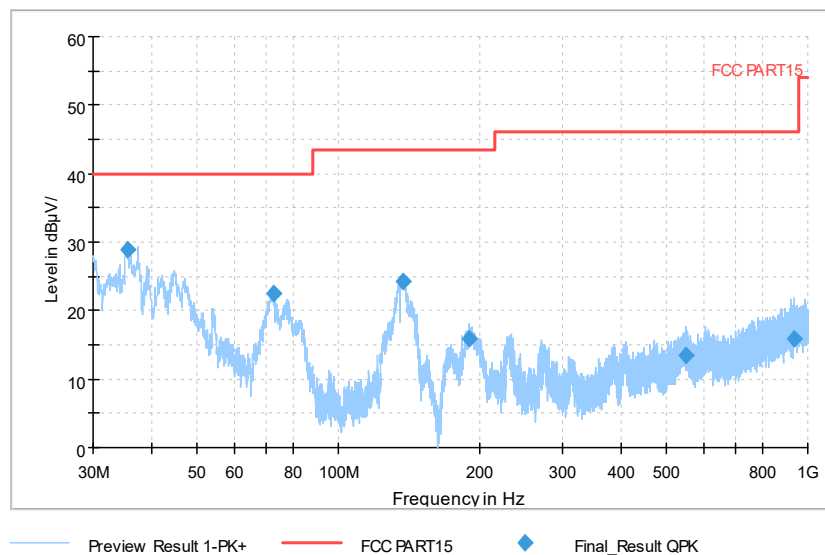
Full Spectrum



Comment

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

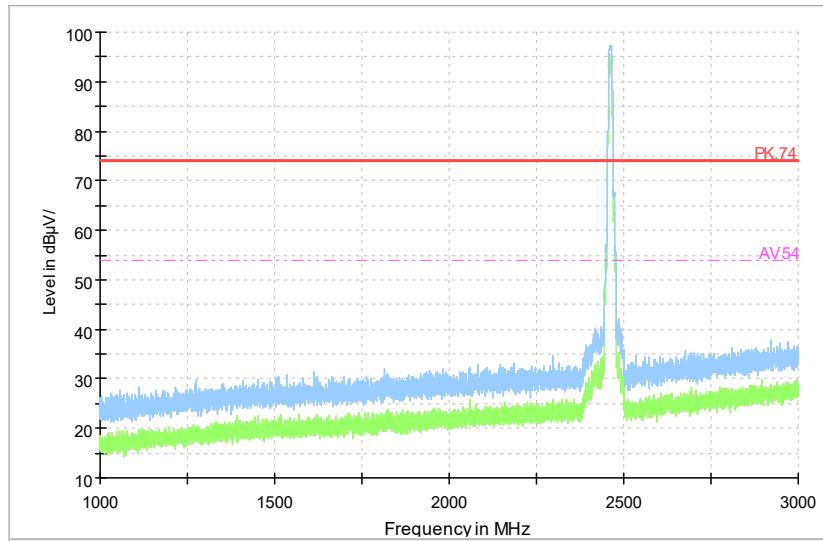
Full Spectrum



Comment

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

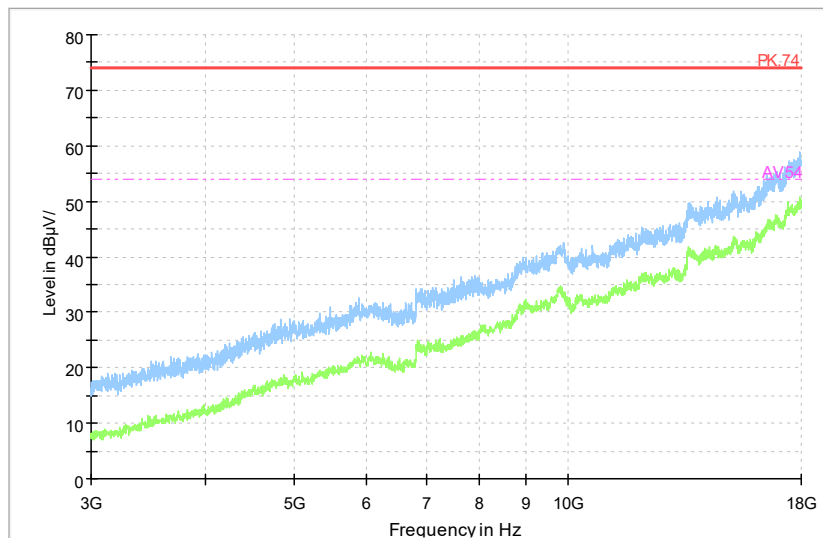
Full Spectrum



Comment

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

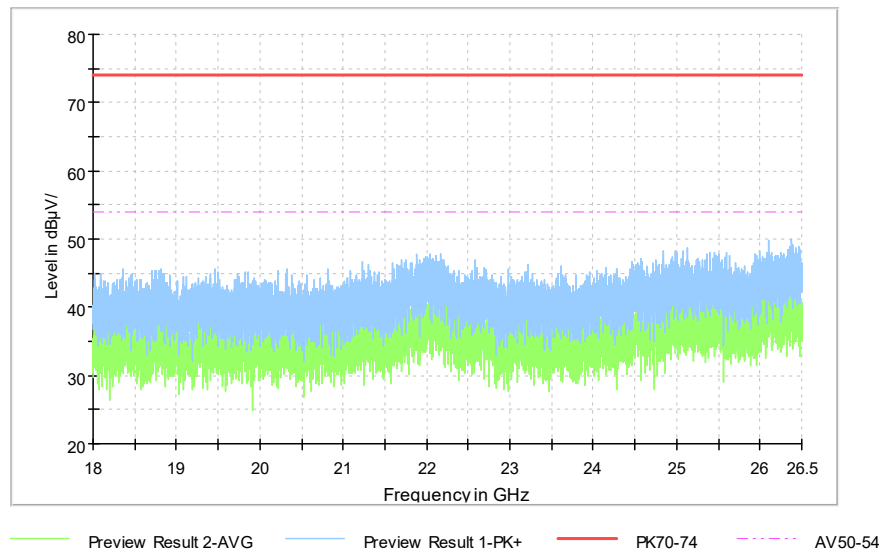
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

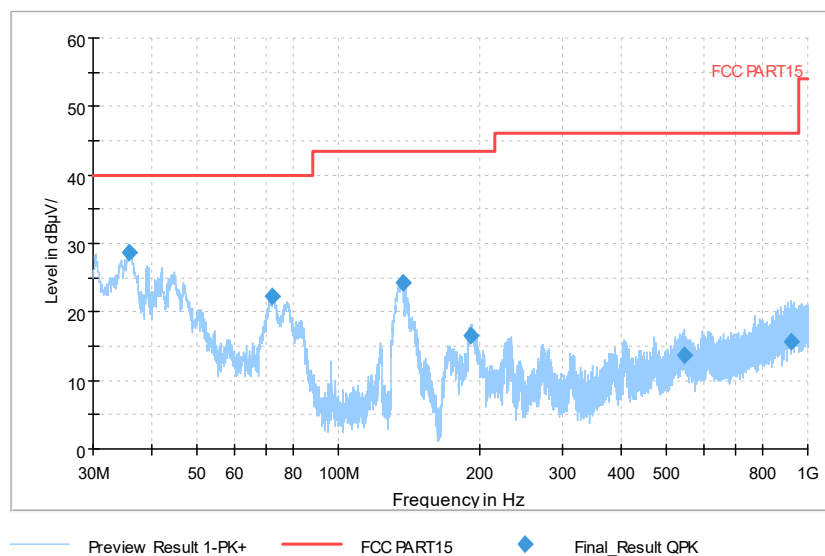
Full Spectrum



Comment

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

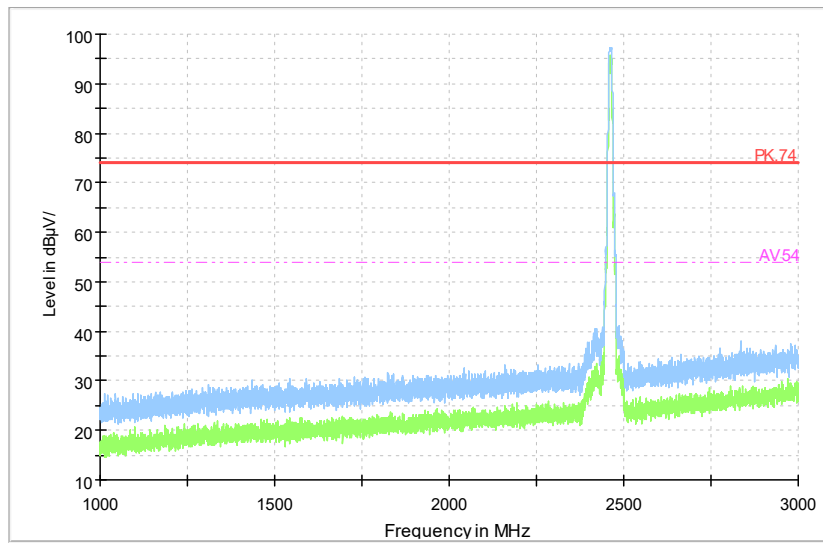
Full Spectrum



Comment

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

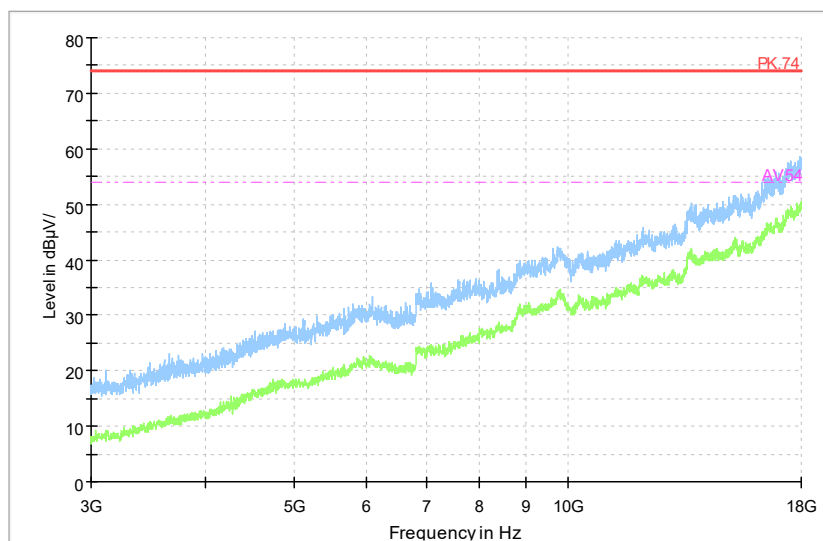
Full Spectrum



Comment

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

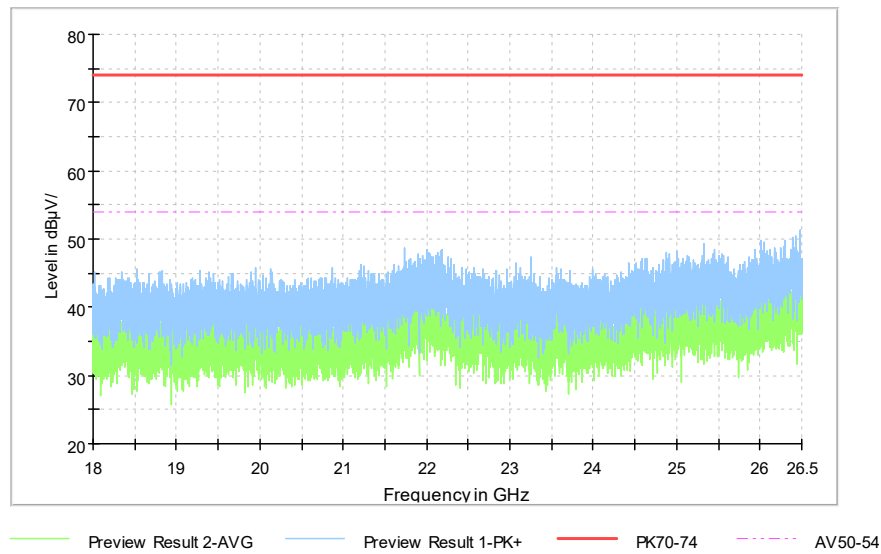
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

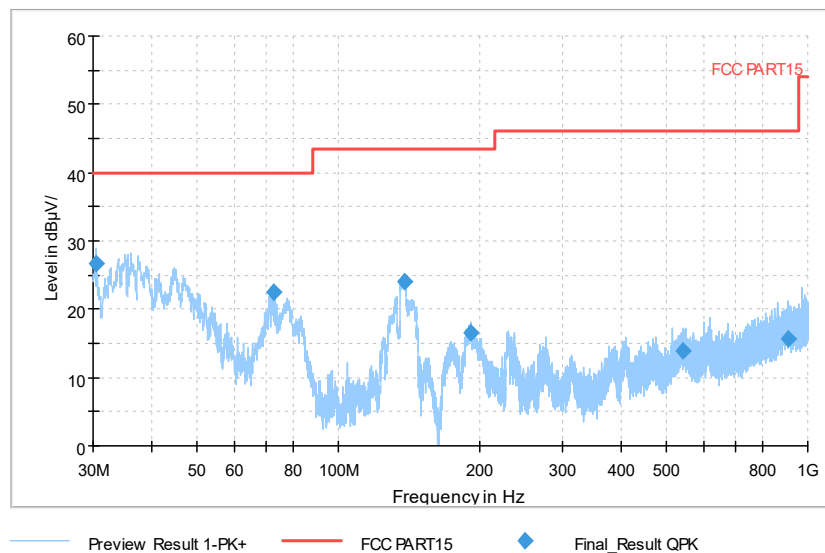
Full Spectrum



Comment

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

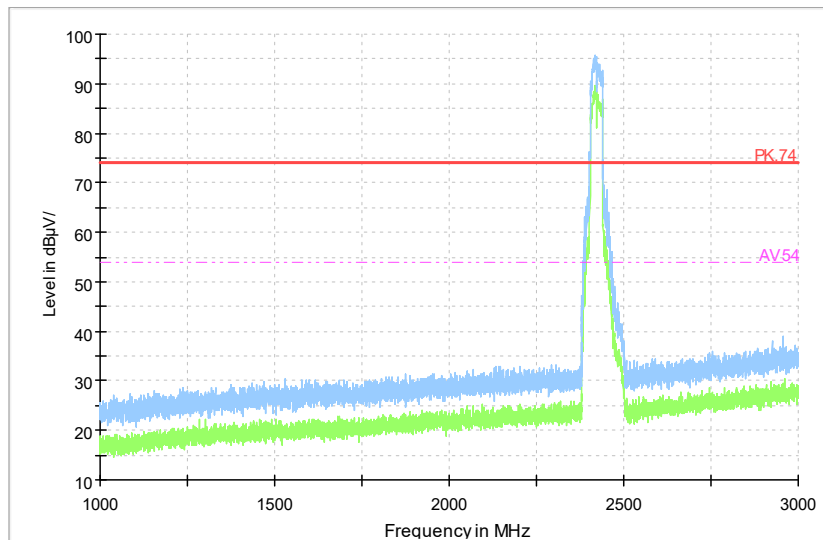
Full Spectrum



Comment

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40) channel 3

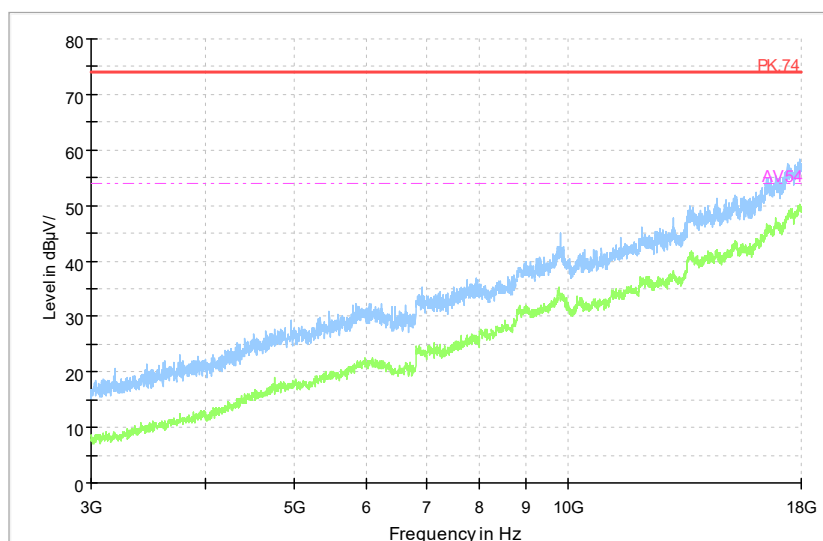
Full Spectrum



Comment

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

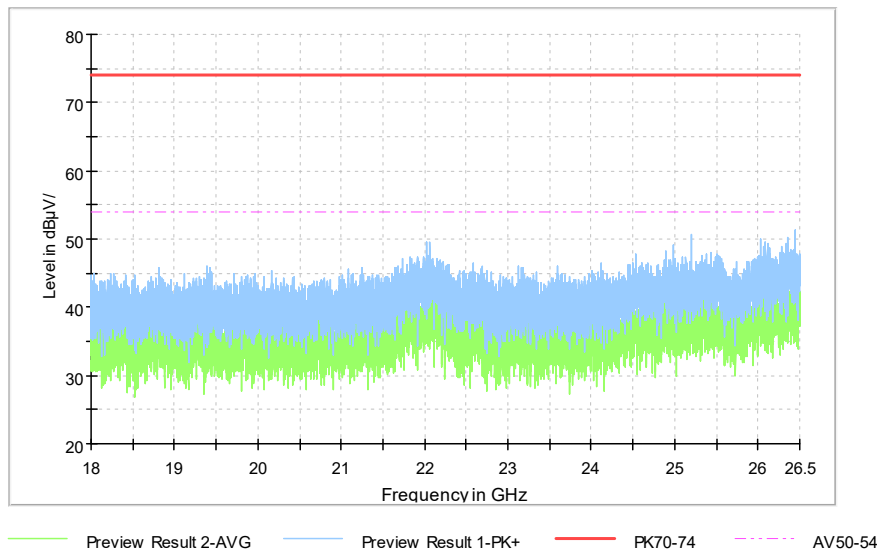
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 3

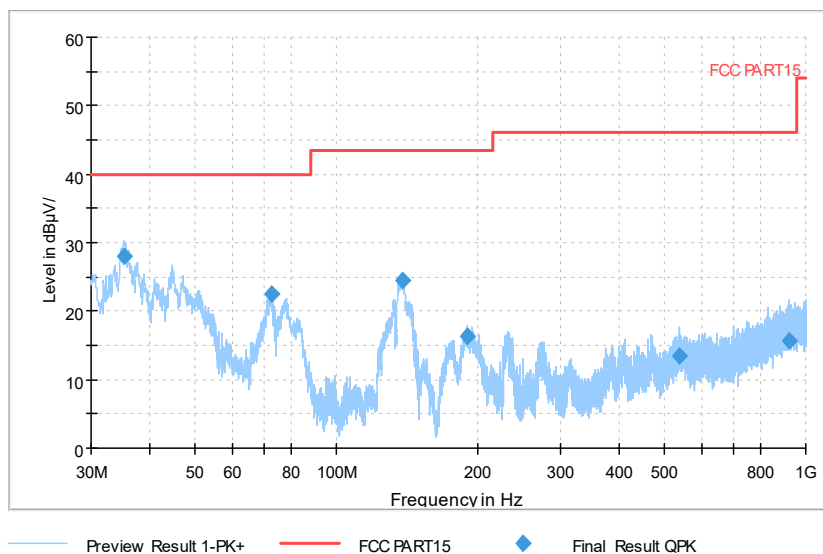
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 3

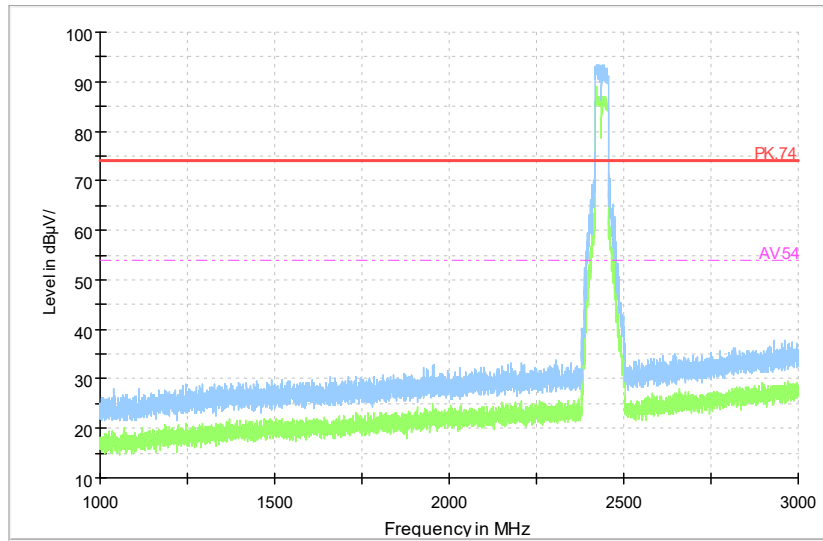
Full Spectrum



Comment

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40) channel 6

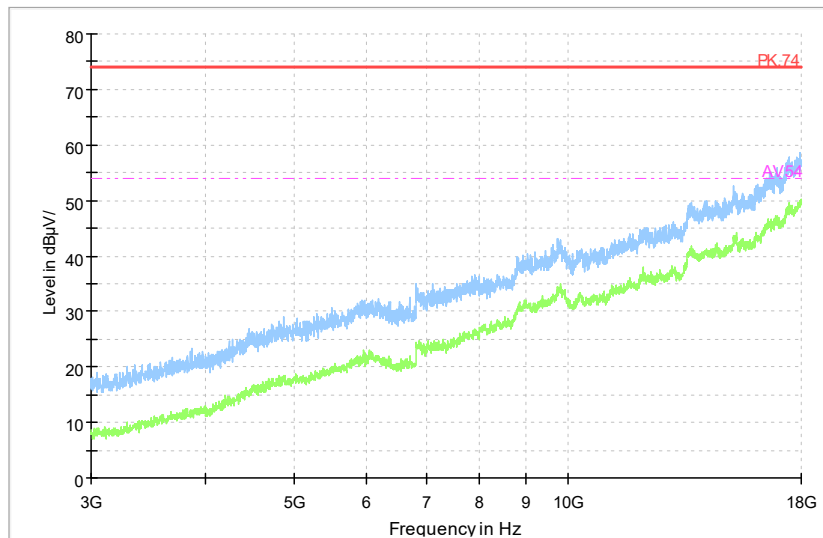
Full Spectrum



Comment

Frequency Range: 1GHz -3GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 6

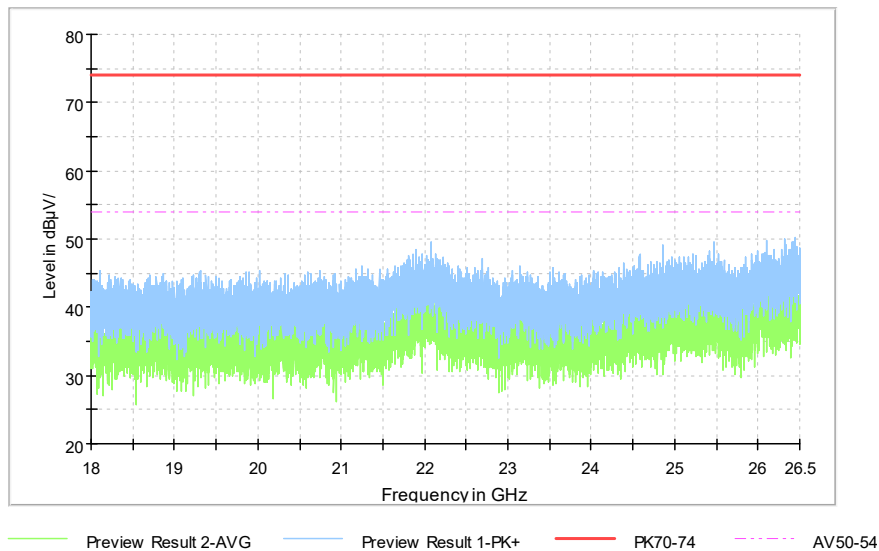
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 6

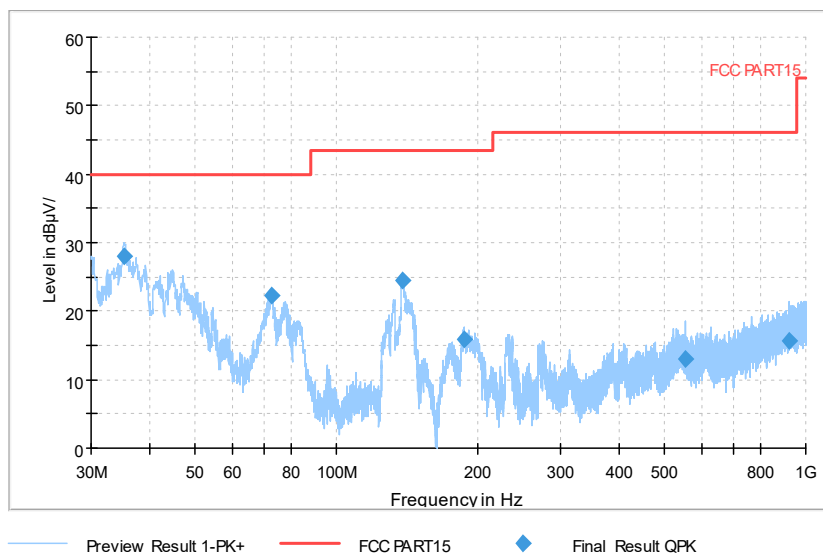
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 6

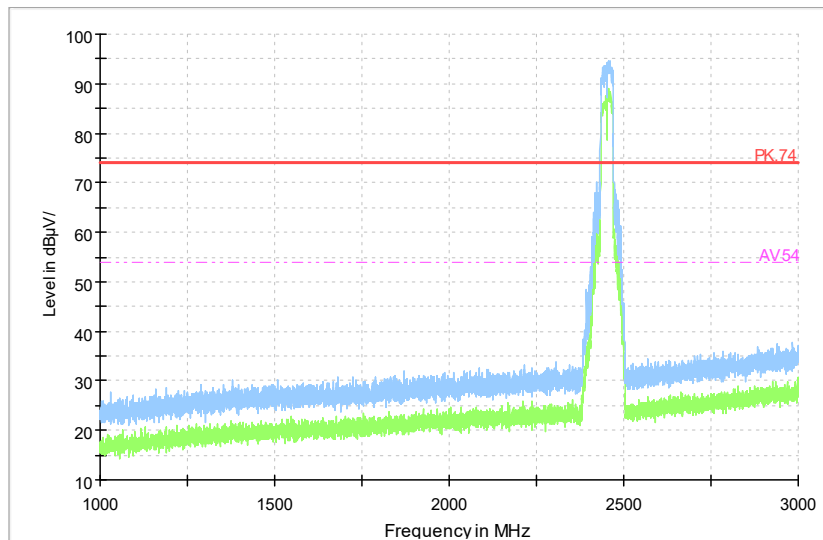
Full Spectrum



Comment

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40) channel 9

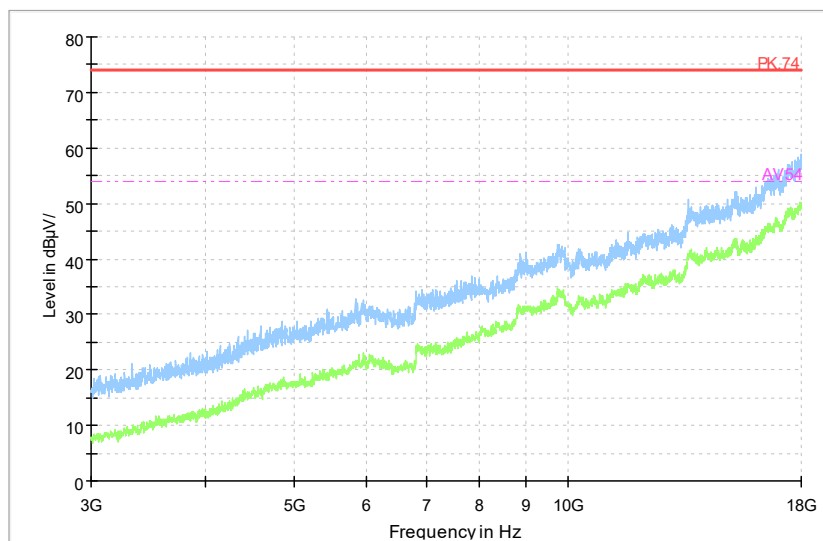
Full Spectrum



Comment

Frequency Range: 1GHz -3GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 9

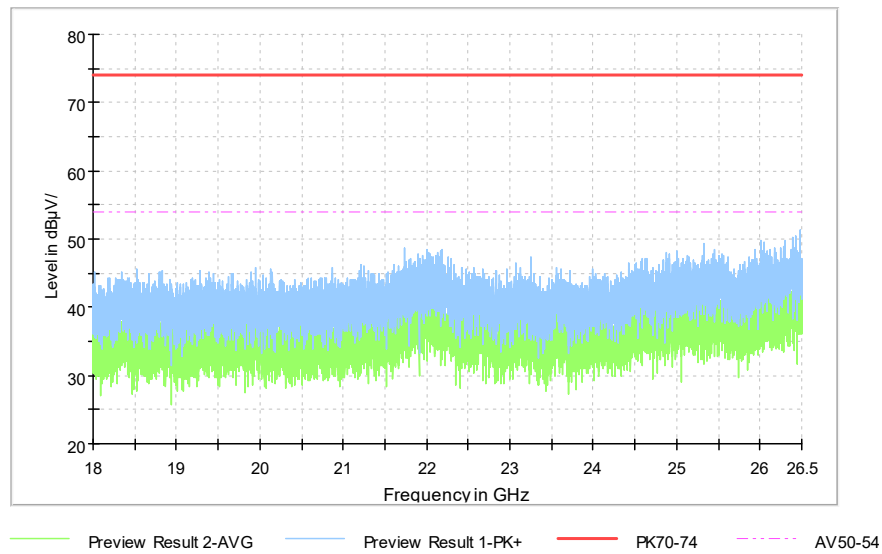
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 9

Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40) channel 9

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.

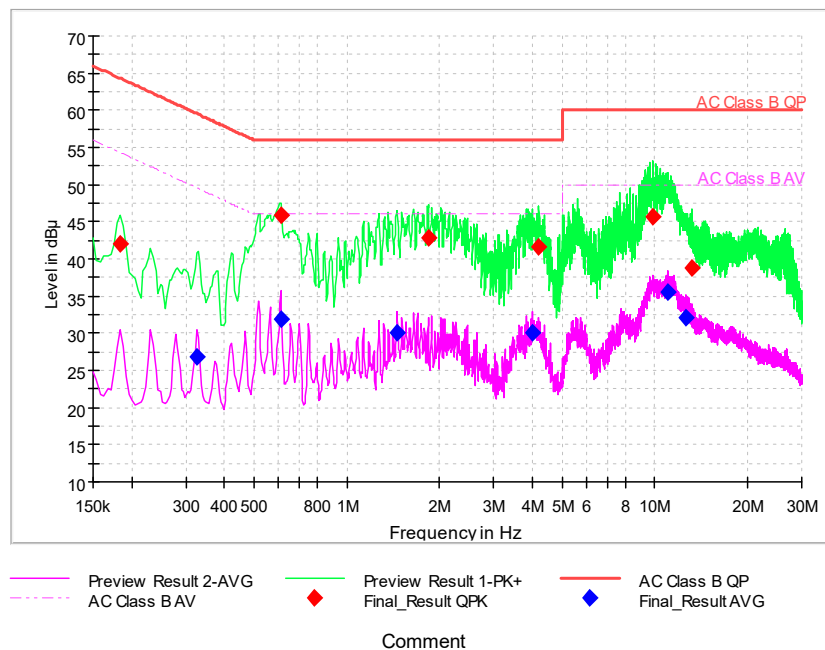
The measurement results are obtained as described below:

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

Sample calculation: $(41.99 \text{ dB}\mu\text{V}) = (12.39 \text{ dB}\mu\text{V}) + (29.6 \text{ dB})$, the corresponding frequency is 0.184114MHz.

Chain0 is selected as the worst case for the test.

The mode of 802.11b Channel 1 is selected for the test of Conducted Emission.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBμV)	Pmea Average (dBμV)
0.184114	41.99	---	64.30	22.30	L1	29.6	12.39	---
0.324836	---	26.81	49.58	22.77	L1	29.6	---	-2.79
0.610543	---	31.87	46.00	14.13	L1	29.6	---	2.27
0.614807	45.79	---	56.00	10.21	L1	29.6	16.19	---
1.459136	---	30.00	46.00	16.00	L1	29.7	---	0.3
1.838657	42.75	---	56.00	13.25	L1	29.7	13.05	---
4.013443	---	30.12	46.00	15.88	L1	29.7	---	0.42
4.205336	41.57	---	56.00	14.43	L1	29.7	11.87	---
9.855514	45.63	---	60.00	14.37	L1	29.8	15.83	---
10.981286	---	35.63	50.00	14.37	N	29.8	---	5.83
12.665679	---	32.14	50.00	17.86	N	29.8	---	2.34
13.245621	38.71	---	60.00	21.29	L1	29.8	8.91	---

---End of the test report---