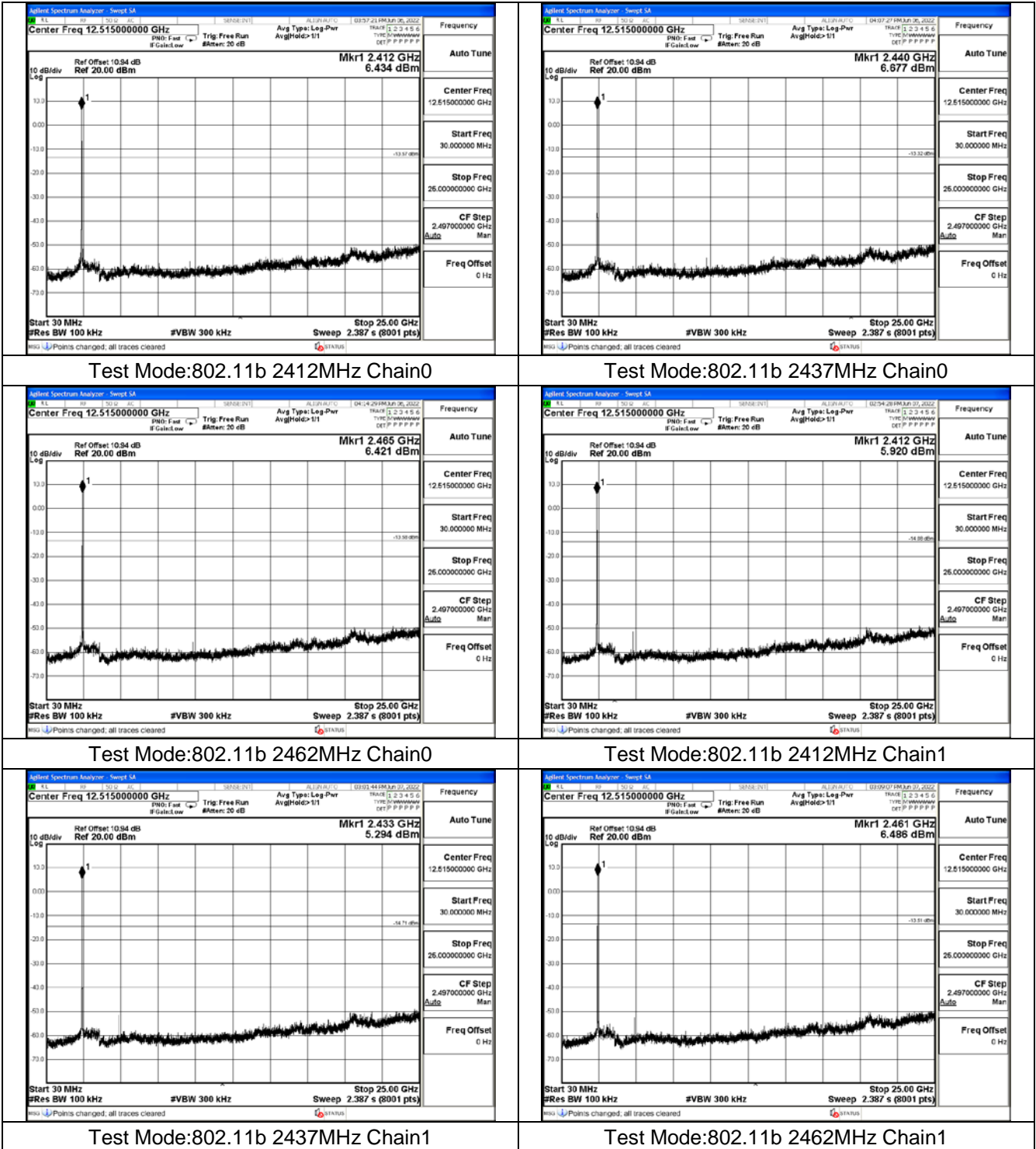


Conducted Out of band emission measurement

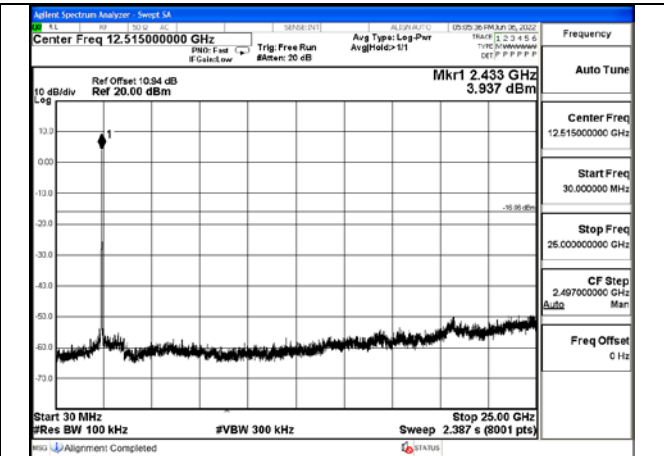
Test Mode: 802.11b



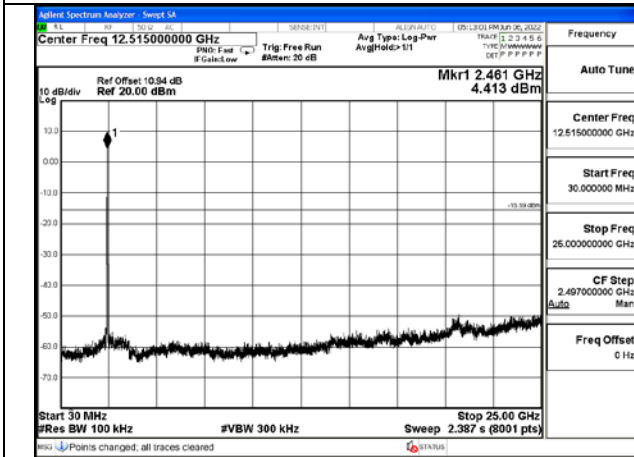
Test Mode: 802.11g



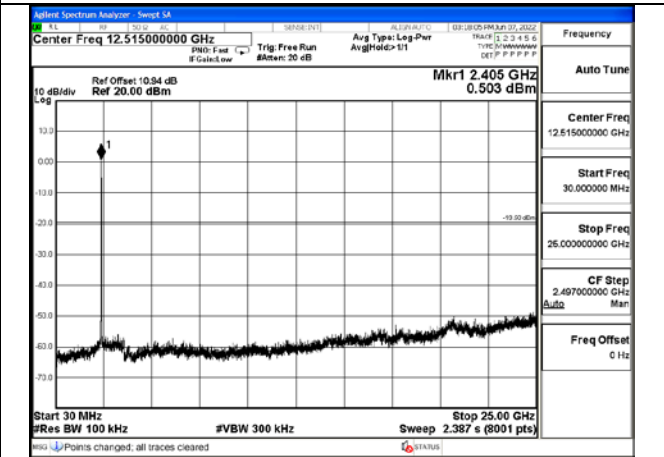
Test Mode:802.11g 2412MHz Chain0



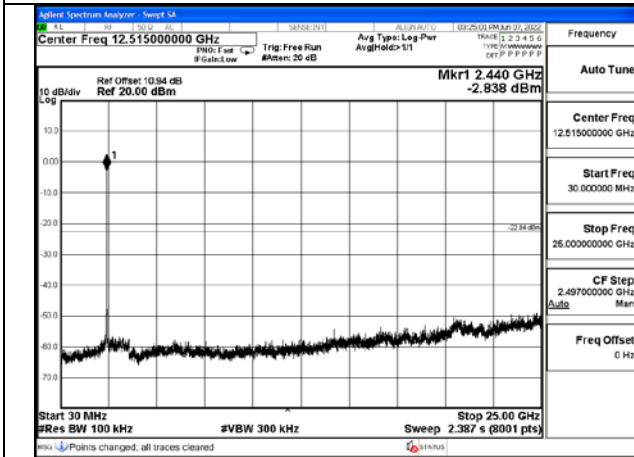
Test Mode:802.11g 2437MHz Chain0



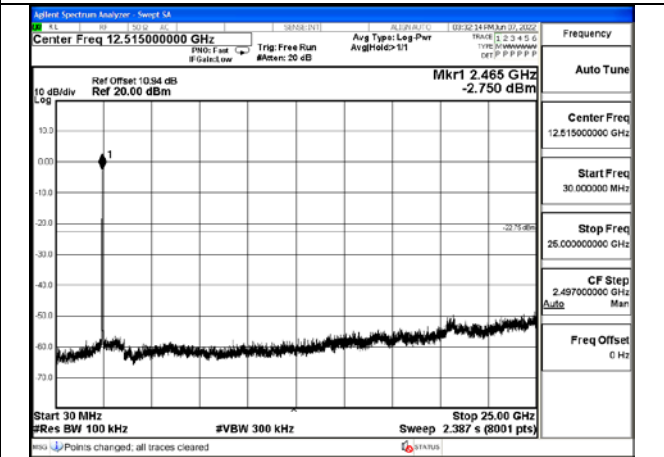
Test Mode:802.11g 2462MHz Chain0



Test Mode:802.11g 2412MHz Chain1

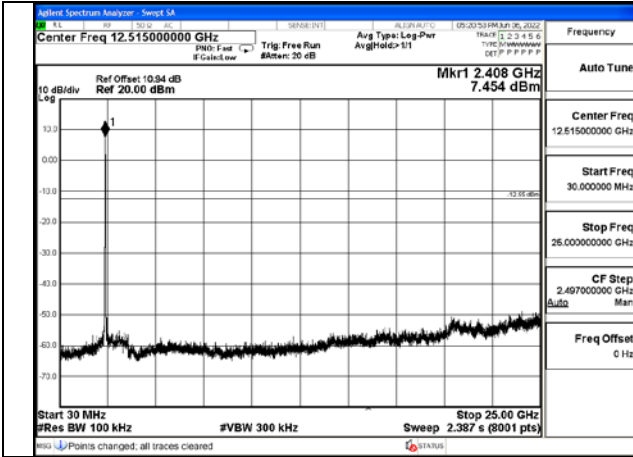


Test Mode:802.11g 2437MHz Chain1

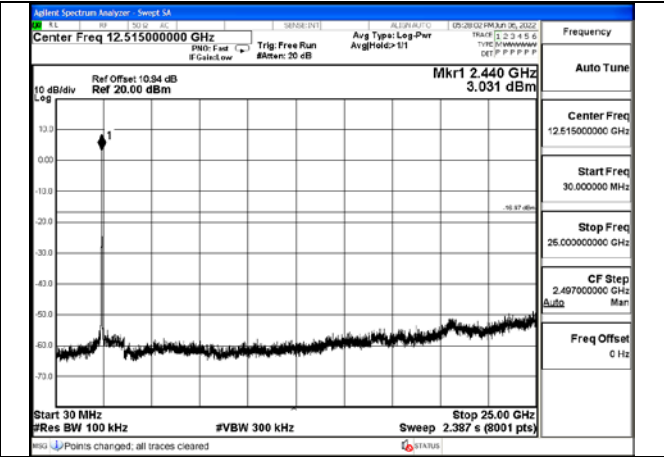


Test Mode:802.11g 2462MHz Chain1

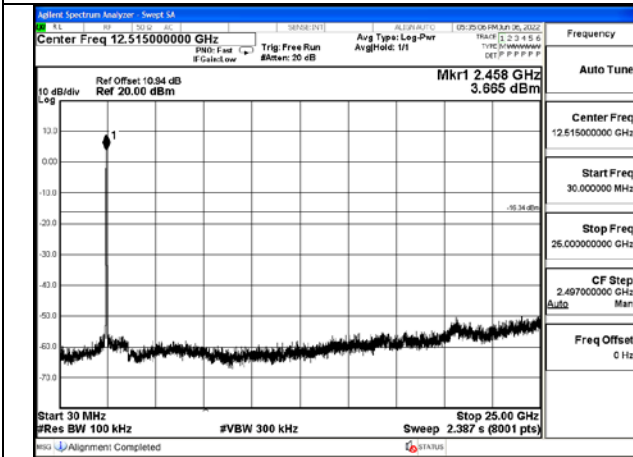
Test Mode: 802.11n HT20



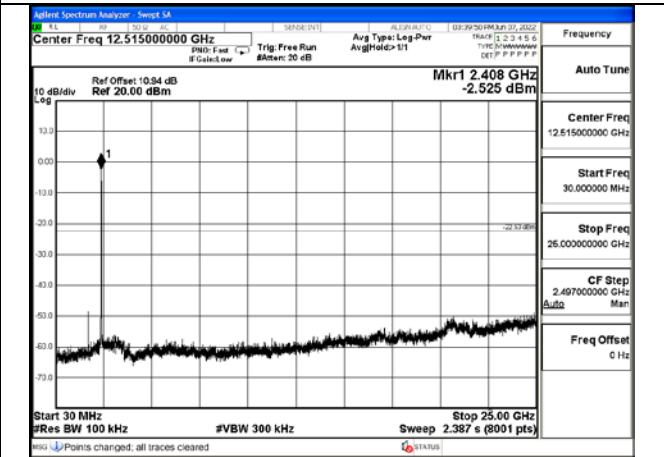
Test Mode:802.11n HT20 2412MHz Chain0



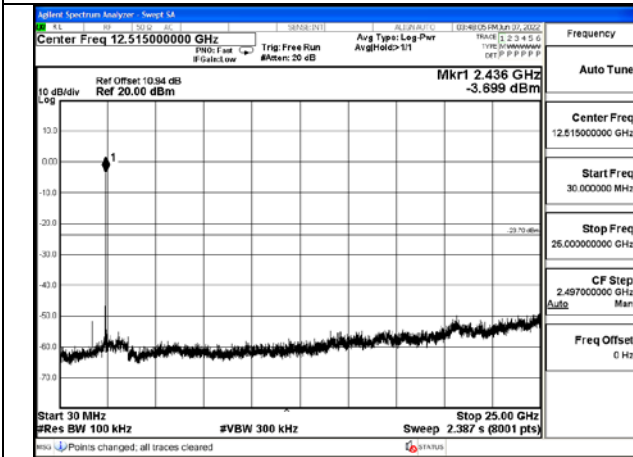
Test Mode:802.11n HT20 2437MHz Chain0



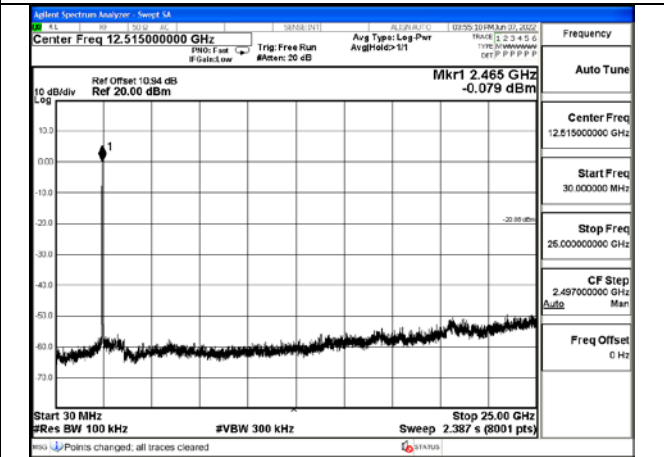
Test Mode:802.11n HT20 2462MHz Chain0



Test Mode:802.11n HT20 2412MHz Chain1

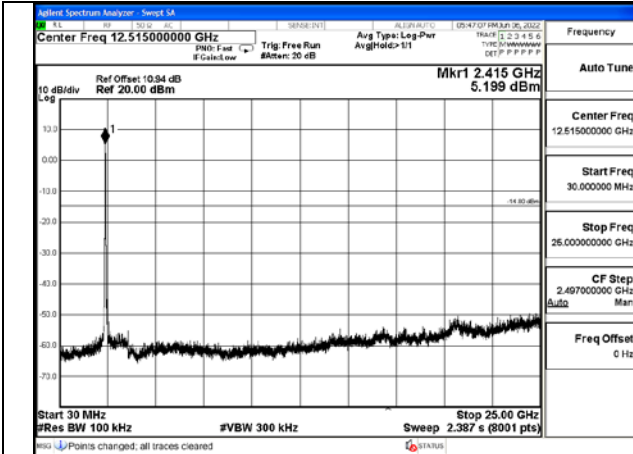


Test Mode:802.11n HT20 2437MHz Chain1

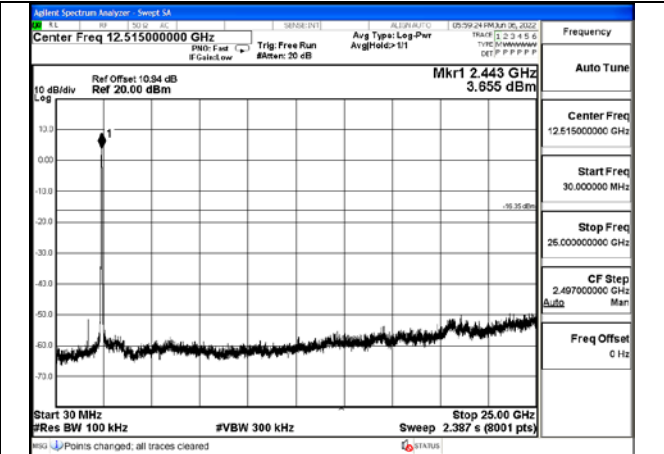


Test Mode:802.11n HT20 2462MHz Chain1

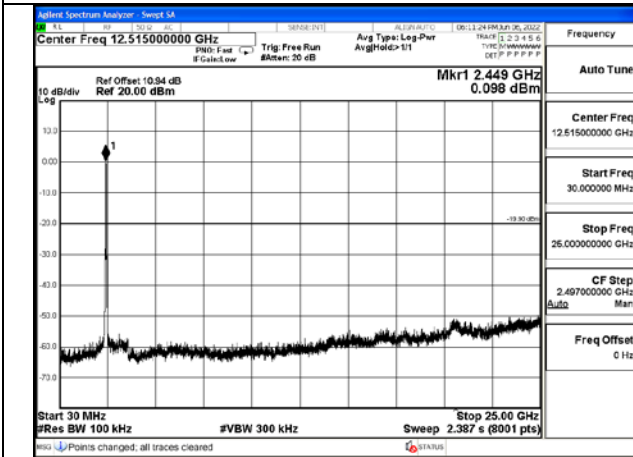
Test Mode: 802.11n HT40



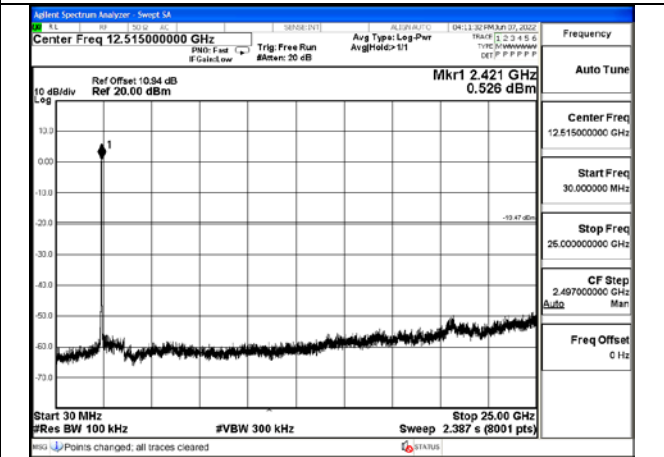
Test Mode:802.11n HT40 2422MHz Chain0



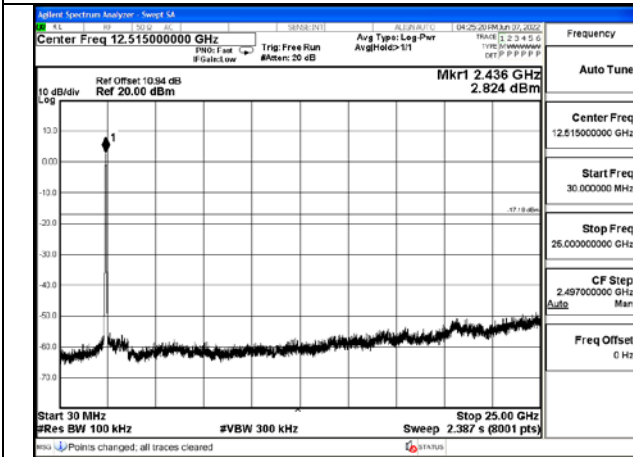
Test Mode:802.11n HT40 2437MHz Chain0



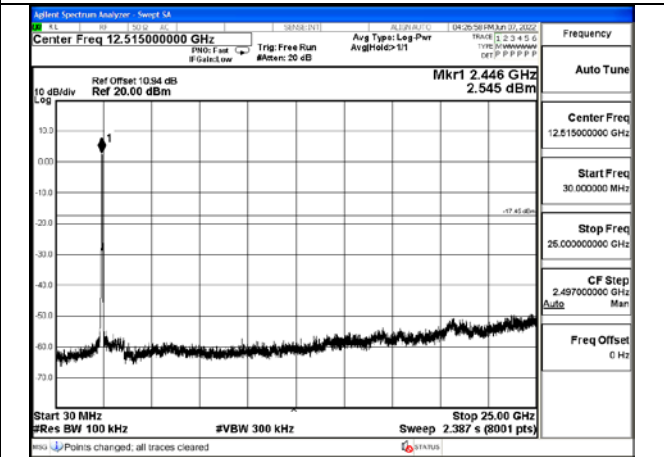
Test Mode:802.11n HT40 2452MHz Chain0



Test Mode:802.11n HT40 2422MHz Chain1



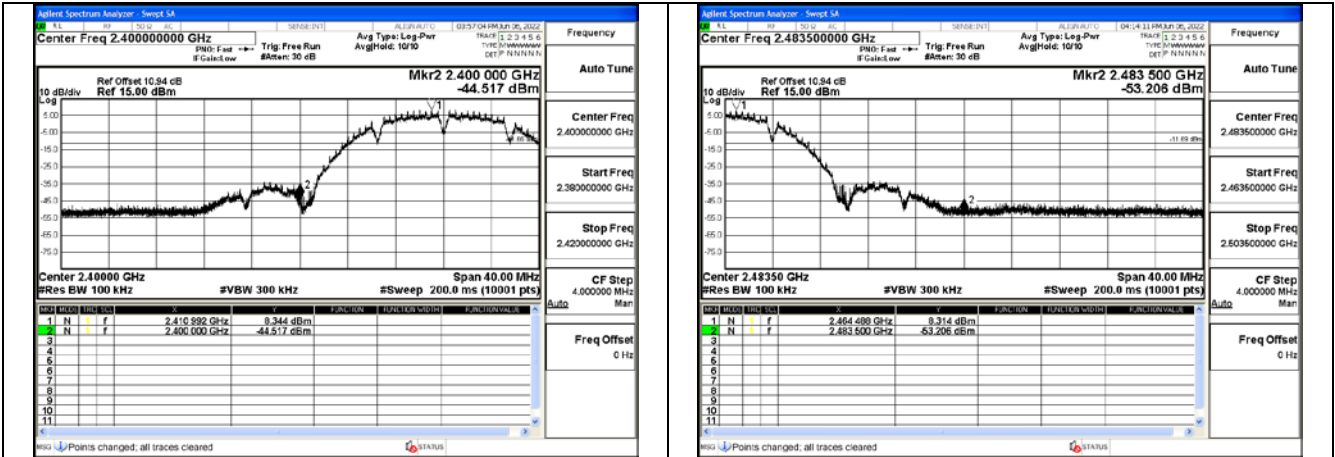
Test Mode:802.11n HT40 2437MHz Chain1



Test Mode:802.11n HT40 2452MHz Chain1

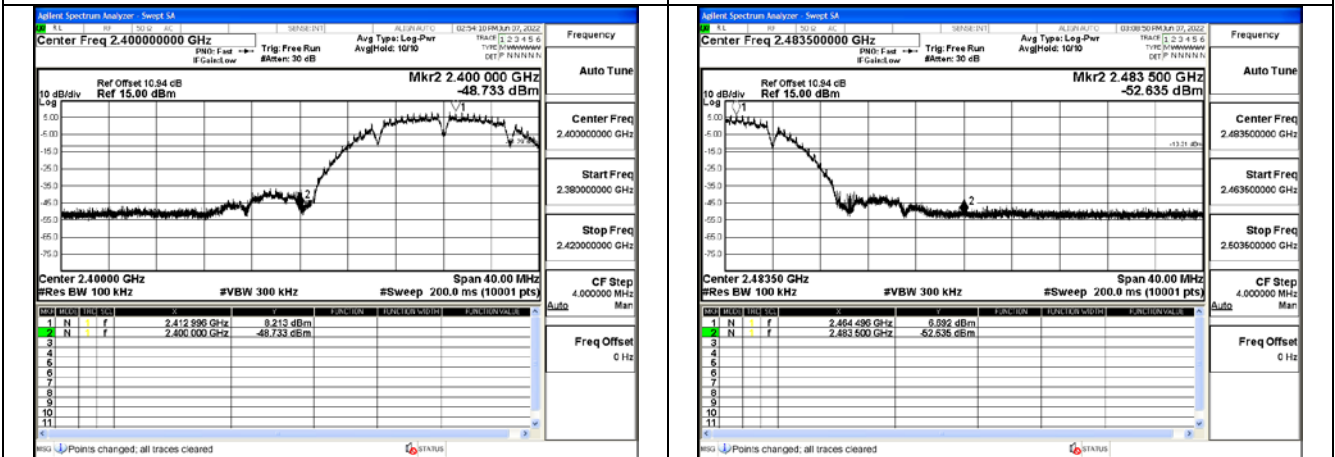
Band edge measurement

Test Mode: 802.11b



Test Mode:802.11b 2412MHz Chain0

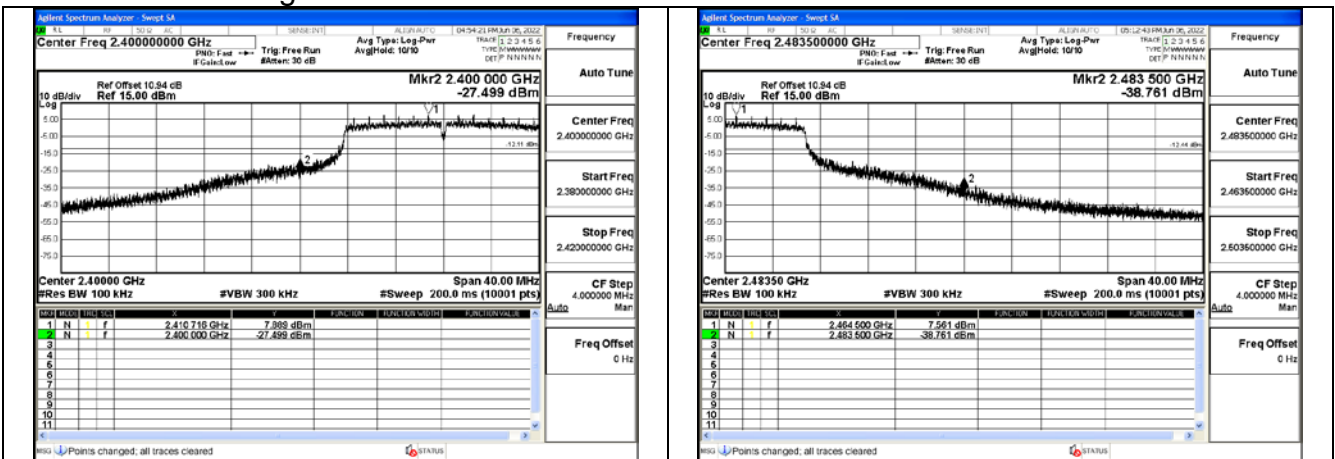
Test Mode:802.11b 2462MHz Chain0



Test Mode:802.11b 2412MHz Chain1

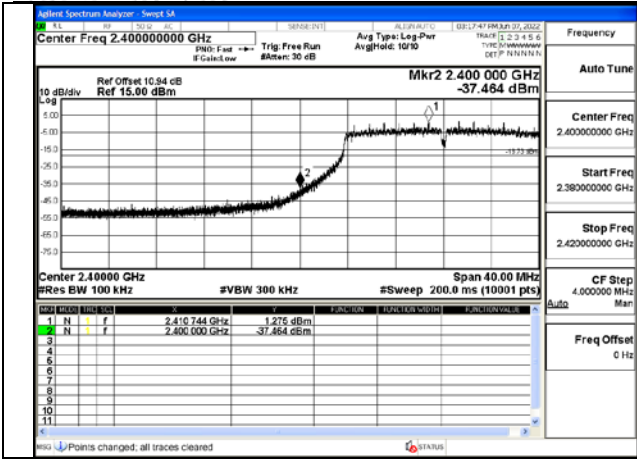
Test Mode:802.11b 2462MHz Chain1

Test Mode: 802.11g

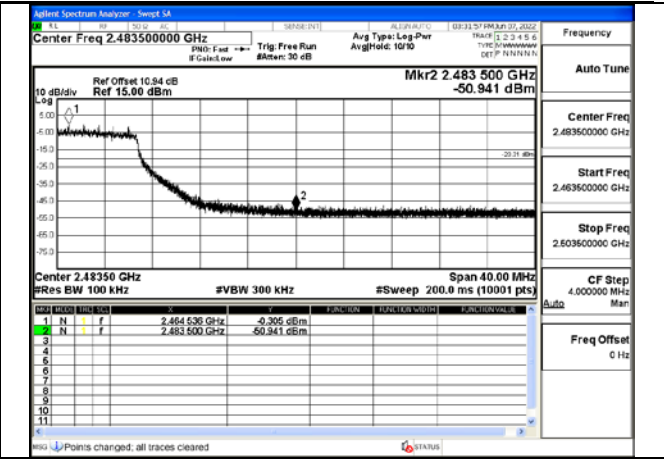


Test Mode:802.11g 2412MHz Chain0

Test Mode:802.11g 2462MHz Chain0

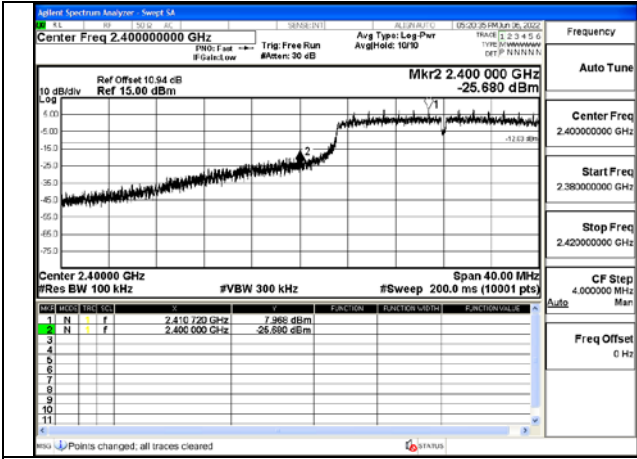


Test Mode:802.11g 2412MHz Chain1

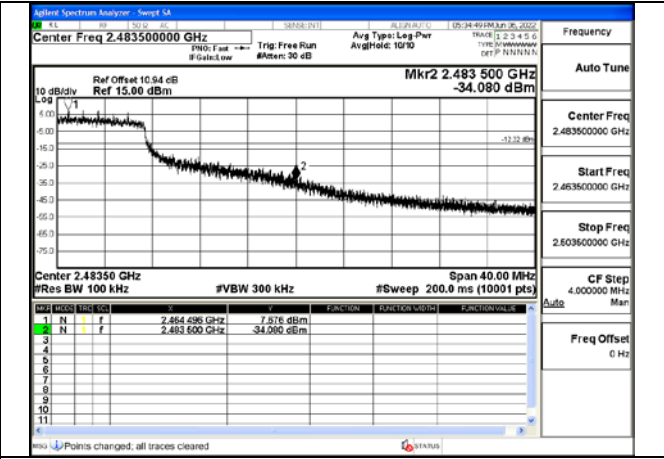


Test Mode:802.11g 2462MHz Chain1

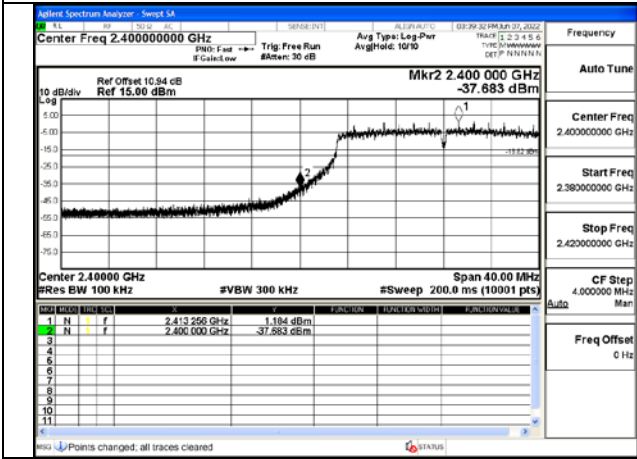
Test Mode: 802.11n HT20



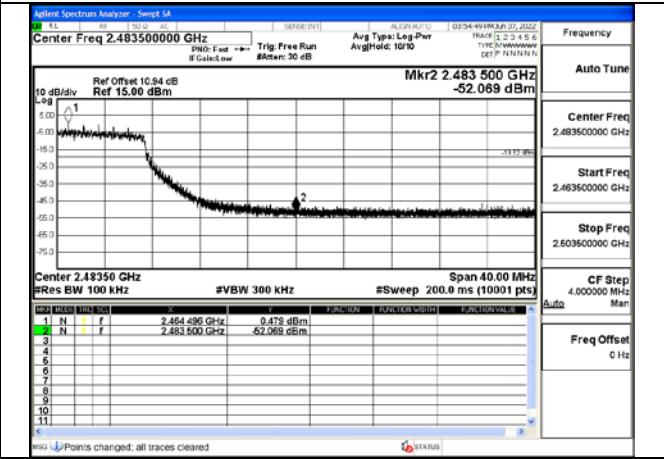
Test Mode:802.11n HT20 2412MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0

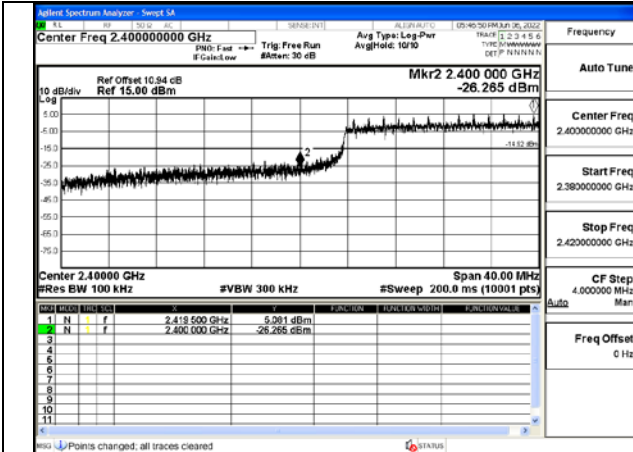


Test Mode:802.11n HT20 2412MHz Chain1

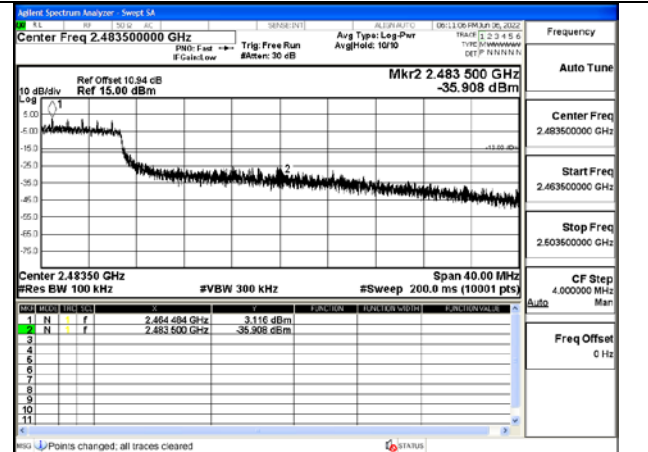


Test Mode:802.11n HT20 2462MHz Chain1

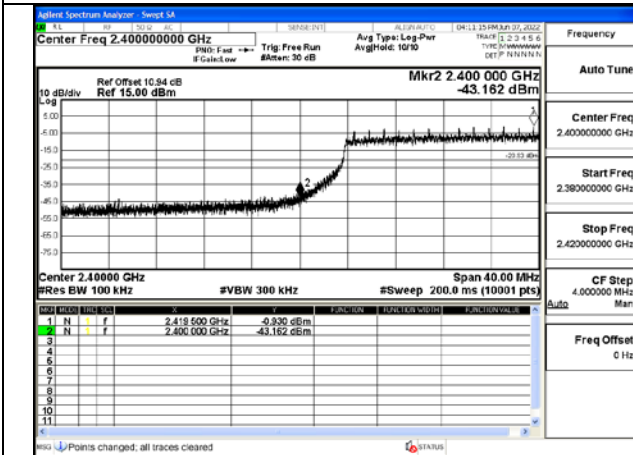
Test Mode: 802.11n HT40



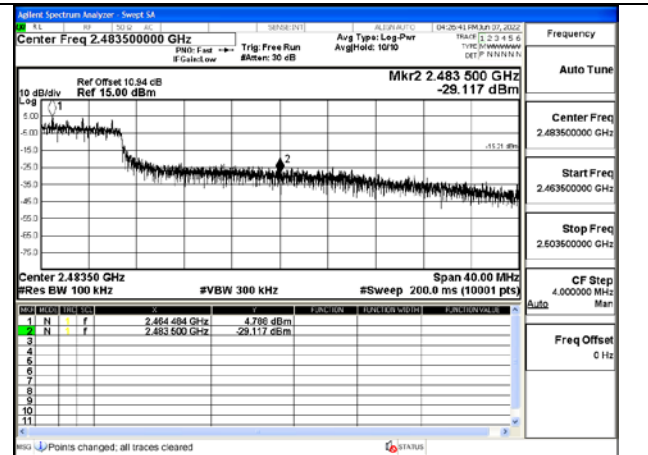
Test Mode:802.11n HT40 2422MHz Chain0



Test Mode:802.11n HT40 2452MHz Chain0



Test Mode:802.11n HT40 2422MHz Chain1



Test Mode:802.11n HT40 2452MHz Chain1

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: (97.94 dBuV/m) = (63.94 dBuV) + (8.90 dB) + (25.10 dB/m), the corresponding frequency is 2412MHz.

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

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	97.94	63.94	N/A	N/A	8.90	25.10
2	2390	46.36	12.36	-27.64	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	95.31	61.31	N/A	N/A	8.90	25.10
2	2390	43.60	9.60	-30.40	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	96.36	62.36	N/A	N/A	8.90	25.10
2	2390	36.91	2.91	-17.09	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	93.65	59.65	N/A	N/A	8.90	25.10
2	2390	35.79	1.79	-18.21	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	96.38	62.38	N/A	N/A	8.90	25.10
2	2483.5	46.85	12.85	-27.15	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	93.60	59.60	N/A	N/A	8.90	25.10
2	2483.5	44.49	10.49	-29.51	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	97.21	63.21	N/A	N/A	8.90	25.10
2	2483.5	35.25	1.25	-18.75	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	94.27	60.27	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): 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	97.49	63.49	N/A	N/A	8.90	25.10
2	2390	46.55	12.55	-27.45	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	95.02	61.02	N/A	N/A	8.90	25.10
2	2390	44.76	10.76	-29.24	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 (dB/m)
1	2412	96.36	62.36	N/A	N/A	8.90	25.10
2	2390	35.35	1.35	-18.65	54.00	8.90	25.10

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

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	94.13	60.13	N/A	N/A	8.90	25.10
2	2390	34.60	0.60	-19.40	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	97.09	63.09	N/A	N/A	8.90	25.10
2	2483.5	45.16	11.16	-28.84	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	94.46	60.46	N/A	N/A	8.90	25.10
2	2483.5	42.53	8.53	-31.47	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	96.20	62.20	N/A	N/A	8.90	25.10
2	2483.5	36.38	2.38	-17.62	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	93.41	59.41	N/A	N/A	8.90	25.10
2	2483.5	34.51	0.51	-19.49	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	96.85	62.85	N/A	N/A	8.90	25.10
2	2390	45.10	11.10	-28.90	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	94.37	60.37	N/A	N/A	8.90	25.10
2	2390	43.04	9.04	-30.96	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	97.97	63.97	N/A	N/A	8.90	25.10
2	2390	36.40	2.40	-17.60	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	95.38	61.38	N/A	N/A	8.90	25.10
2	2390	33.99	-0.01	-20.01	54.00	8.90	25.10

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

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	96.11	62.11	N/A	N/A	8.90	25.10
2	2483.5	46.50	12.50	-27.50	74.00	8.90	25.10

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

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	93.17	59.17	N/A	N/A	8.90	25.10
2	2483.5	45.05	11.05	-28.95	74.00	8.90	25.10

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

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	96.80	62.80	N/A	N/A	8.90	25.10
2	2483.5	35.75	1.75	-18.25	54.00	8.90	25.10

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

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	94.40	60.40	N/A	N/A	8.90	25.10
2	2483.5	34.41	0.41	-19.59	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	94.84	60.84	N/A	N/A	8.90	25.10
2	2390	45.10	11.10	-28.90	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	91.98	57.98	N/A	N/A	8.90	25.10
2	2390	42.64	8.64	-31.36	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	94.98	60.98	N/A	N/A	8.90	25.10
2	2390	35.12	1.12	-18.88	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	92.45	58.45	N/A	N/A	8.90	25.10
2	2390	33.78	-0.22	-20.22	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	94.31	60.31	N/A	N/A	8.90	25.10
2	2483.5	45.50	11.50	-28.50	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	92.15	58.15	N/A	N/A	8.90	25.10
2	2483.5	44.40	10.40	-29.60	74.00	8.90	25.10

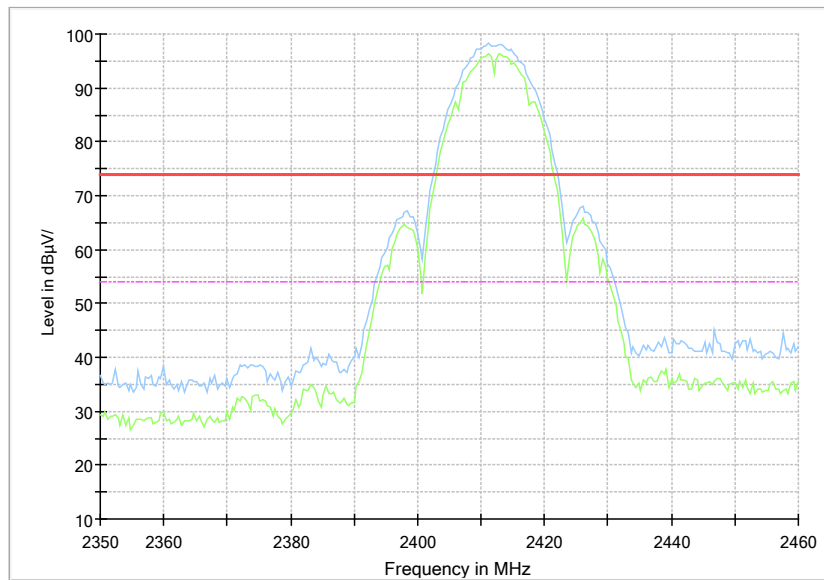
Carrier frequency (MHz): 2452
Channel No.:9
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	96.02	62.02	N/A	N/A	8.90	25.10
2	2483.5	36.02	2.02	-17.98	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	93.04	59.04	N/A	N/A	8.90	25.10
2	2483.5	34.11	0.11	-19.89	54.00	8.90	25.10

Full Spectrum



Radiated Emission Band Edge for 2412MHz

Sample Calculations

Determining Spurious Emissions Levels

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

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

Sample calculation: $(27.12 \text{ dB}\mu\text{V/m}) = (47.62 \text{ dB}\mu\text{V}) + (-20.5 \text{ dB/m})$, the corresponding frequency is 32.861500MHz.

The worst case attitude: The mobile lay down.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.861500	27.12	-20.5	47.62	Vertical	40.00
59.973000	15.15	-18.8	33.95	Vertical	40.00
119.967500	25.89	-21.4	47.29	Vertical	43.50
263.964000	21.38	-16.9	38.28	Vertical	46.00
395.156500	21.72	-13.2	34.92	Vertical	46.00
600.020500	28.18	-8.1	36.28	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
33.055500	27.00	-20.5	47.50	Vertical	40.00
57.742000	16.05	-18.5	34.55	Vertical	40.00
119.967500	25.92	-21.4	47.32	Vertical	43.50
311.979000	25.46	-15.7	41.16	Vertical	46.00
456.024000	26.21	-12.0	38.21	Vertical	46.00
899.653500	23.61	-3.3	26.91	Vertical	46.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.813000	26.93	-20.5	47.43	Vertical	40.00
57.451000	15.16	-18.5	33.66	Vertical	40.00
119.967500	25.80	-21.4	47.20	Vertical	43.50
240.005000	21.38	-17.6	38.98	Vertical	46.00
456.024000	26.00	-12.0	38.00	Vertical	46.00
794.651000	21.54	-5.3	26.84	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.958500	27.17	-20.5	47.67	Vertical	40.00
57.839000	16.04	-18.5	34.54	Vertical	40.00
119.967500	25.84	-21.4	47.24	Vertical	43.50
311.979000	25.47	-15.7	41.17	Vertical	46.00
455.975500	26.15	-12.0	38.15	Vertical	46.00
899.265500	23.74	-3.3	27.04	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
33.007000	27.07	-20.5	47.57	Vertical	40.00
57.742000	15.97	-18.5	34.47	Vertical	40.00
119.967500	25.88	-21.4	47.28	Vertical	43.50
311.979000	25.48	-15.7	41.18	Vertical	46.00
455.975500	26.38	-12.0	38.38	Vertical	46.00
898.829000	23.80	-3.3	27.10	Vertical	46.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.813000	27.02	-20.5	47.52	Vertical	40.00
119.967500	25.94	-21.4	47.34	Vertical	43.50
896.986000	23.72	-3.3	27.02	Vertical	46.00
988.457000	27.98	-2.3	30.28	Vertical	54.00
996.556500	27.33	-2.1	29.43	Vertical	54.00
998.496500	27.12	-2.1	29.22	Vertical	54.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
32.716000	26.76	-20.5	47.26	Vertical	40.00
119.967500	26.02	-21.4	47.42	Vertical	43.50
456.024000	25.96	-12.0	37.96	Vertical	46.00
798.531000	26.54	-5.3	31.84	Vertical	46.00
994.665000	26.91	-2.2	29.11	Vertical	54.00
999.127000	27.44	-2.1	29.54	Vertical	54.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	P _{mea} (dBuV)	Polarity	Limit (dBuV/m)
32.813000	27.02	-20.5	47.52	Vertical	40.00
57.887500	15.95	-18.5	34.45	Vertical	40.00
119.967500	25.96	-21.4	47.36	Vertical	43.50
311.979000	25.42	-15.7	41.12	Vertical	46.00
455.975500	26.42	-12.0	38.42	Vertical	46.00
927.880500	22.59	-2.9	25.49	Vertical	46.00

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	P _{mea} (dBuV)	Polarity	Limit (dBuV/m)
31.794500	26.65	-20.8	47.45	Vertical	40.00
72.001000	15.69	-22.6	38.29	Vertical	40.00
119.967500	26.01	-21.4	47.41	Vertical	43.50
311.979000	25.46	-15.7	41.16	Vertical	46.00
455.975500	26.18	-12.0	38.18	Vertical	46.00
789.849500	19.47	-5.3	24.77	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)
32.958500	27.31	-20.5	47.81	Vertical	40.00
59.973000	14.99	-18.8	33.79	Vertical	40.00
119.967500	25.99	-21.4	47.39	Vertical	43.50
311.979000	25.46	-15.7	41.16	Vertical	46.00
478.334000	21.88	-11.4	33.28	Vertical	46.00
798.482500	25.74	-5.3	31.04	Vertical	46.00

For 802.11 n(HT40) Channel No.:6

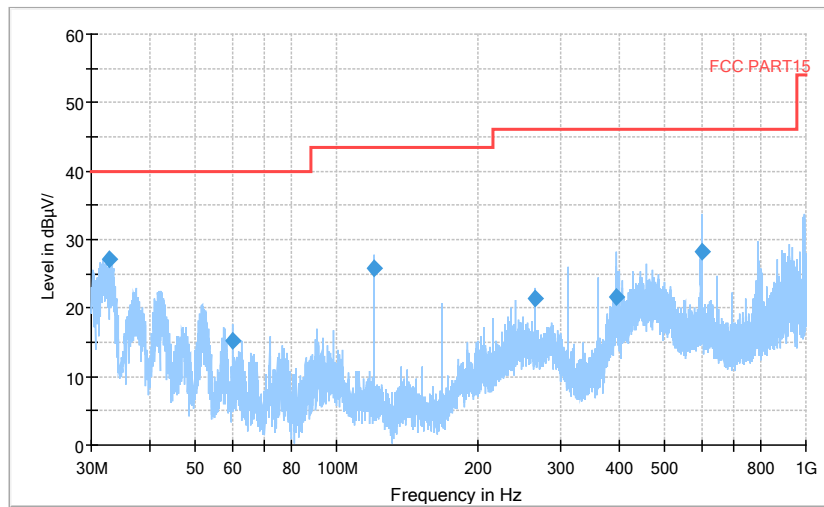
Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
32.861500	27.27	-20.5	47.77	Vertical	40.00
119.967500	26.02	-21.4	47.42	Vertical	43.50
311.979000	25.44	-15.7	41.14	Vertical	46.00
396.029500	21.24	-13.2	34.44	Vertical	46.00
897.956000	23.59	-3.3	26.89	Vertical	46.00
993.258500	27.14	-2.2	29.34	Vertical	54.00

For 802.11 n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	P _{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
31.552000	26.24	-20.9	47.14	Vertical	40.00
57.887500	16.01	-18.5	34.51	Vertical	40.00
119.967500	26.04	-21.4	47.44	Vertical	43.50
311.979000	25.45	-15.7	41.15	Vertical	46.00
411.016000	18.48	-12.8	31.28	Vertical	46.00
893.882000	23.18	-3.4	26.58	Vertical	46.00

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

Full Spectrum

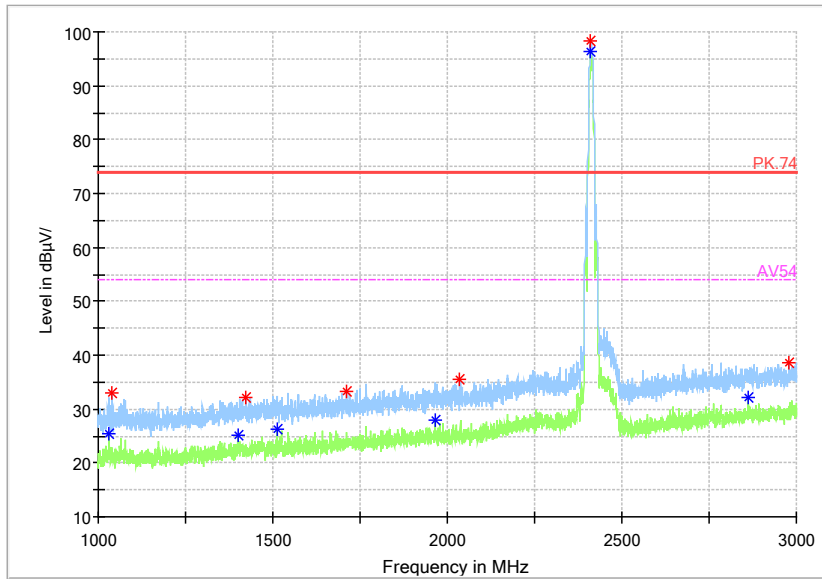


— Preview Result 1-PK+ — FCC PART15 ◆ Final_Result QPK

Comment

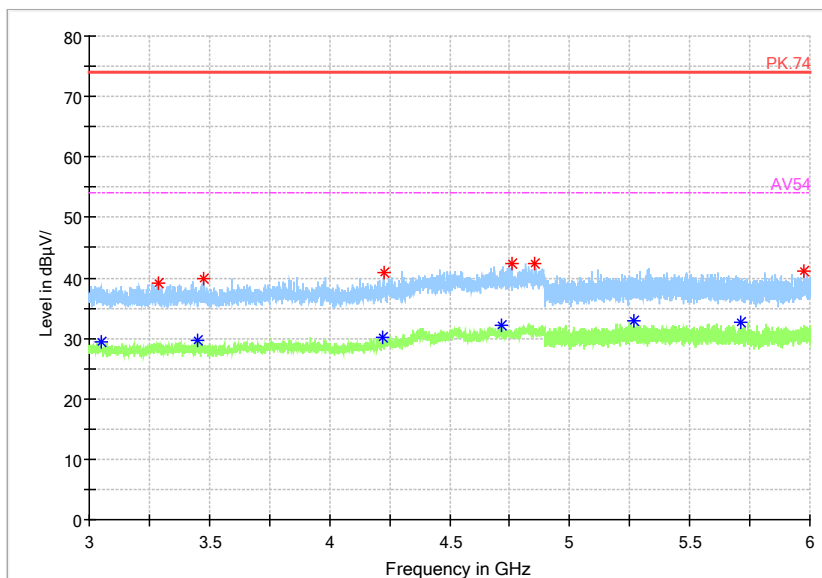
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

Full Spectrum



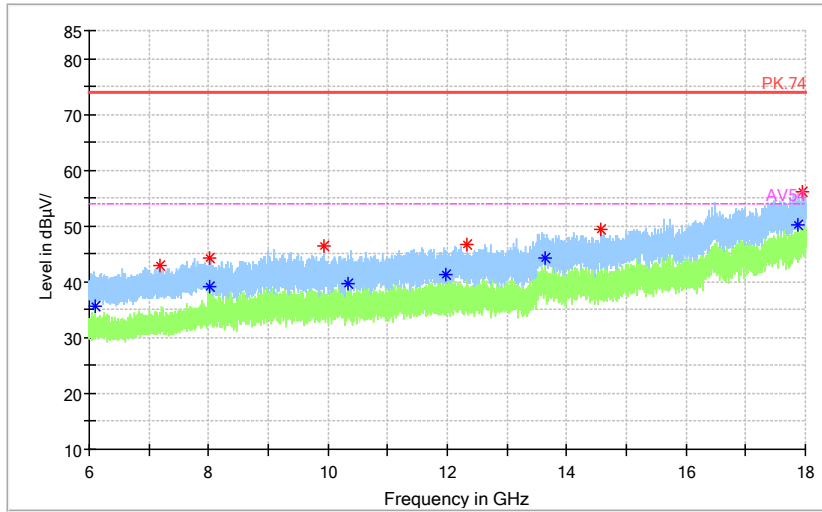
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11b

Full Spectrum



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

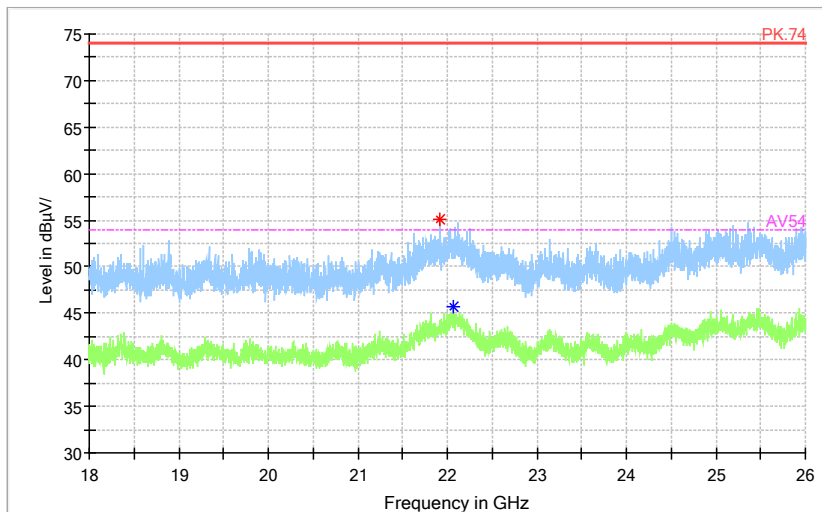
Full Spectrum



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

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

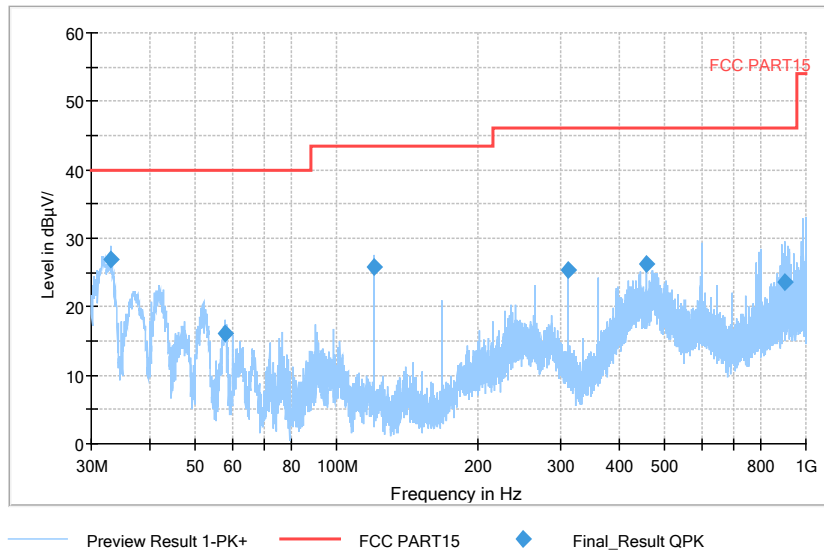
Full Spectrum



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

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

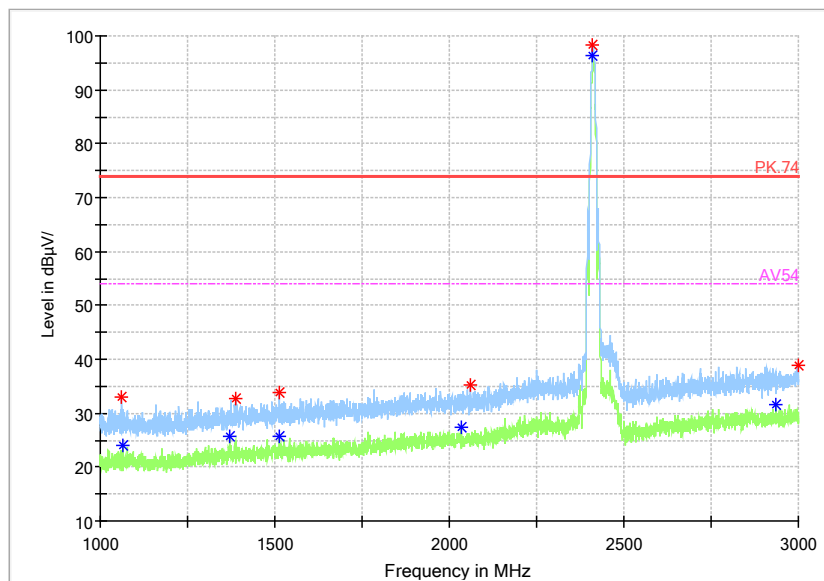
Full Spectrum



Comment

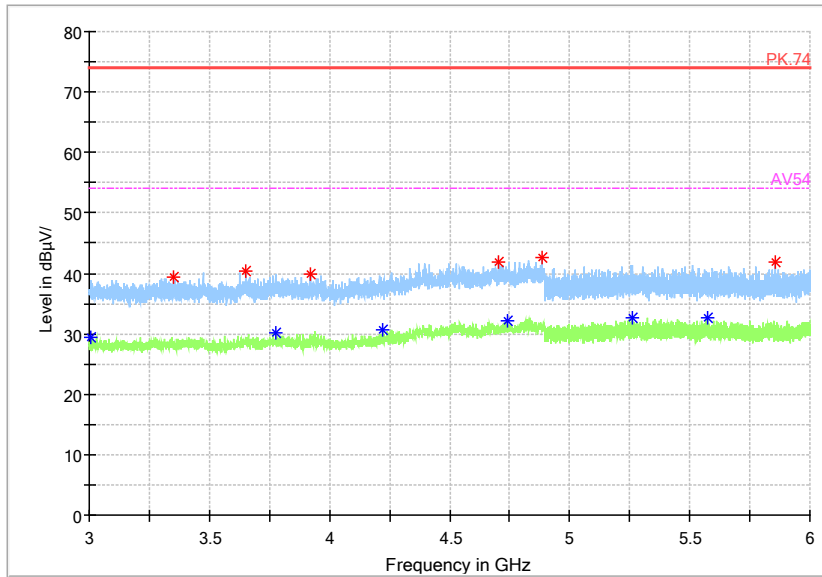
Frequency Range: 30MHz -1GHz
 Detector: QP mode
 Modulation type: 802.11g

Full Spectrum



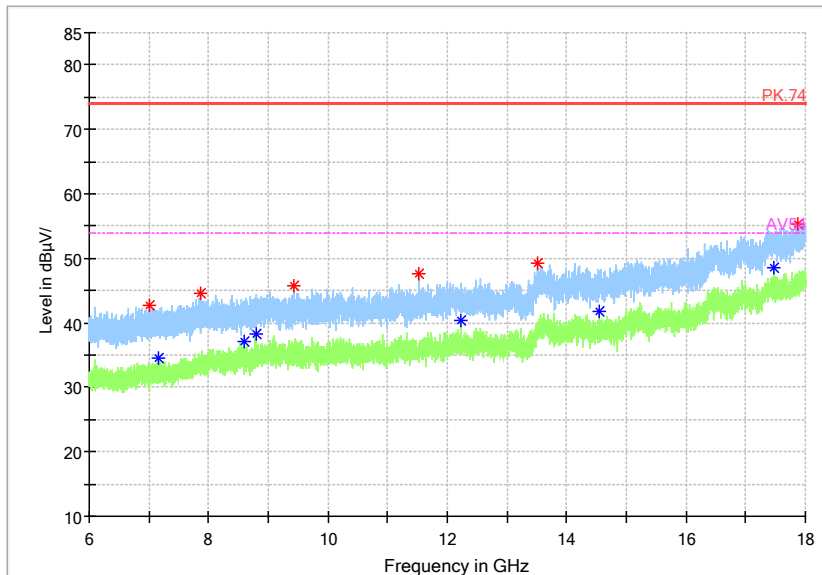
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



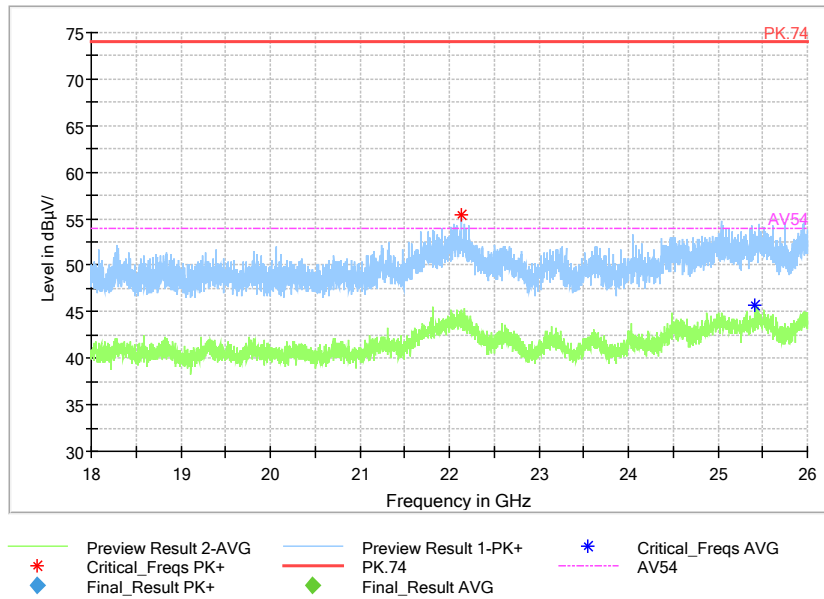
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



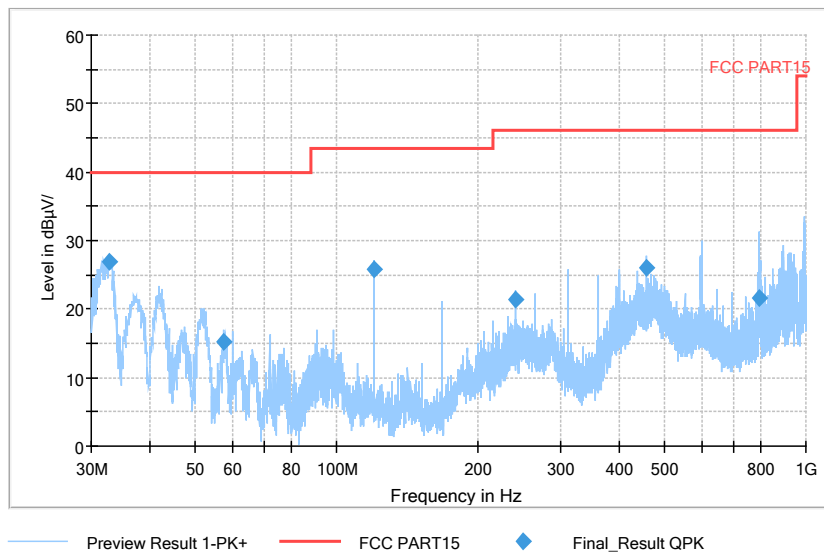
Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



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

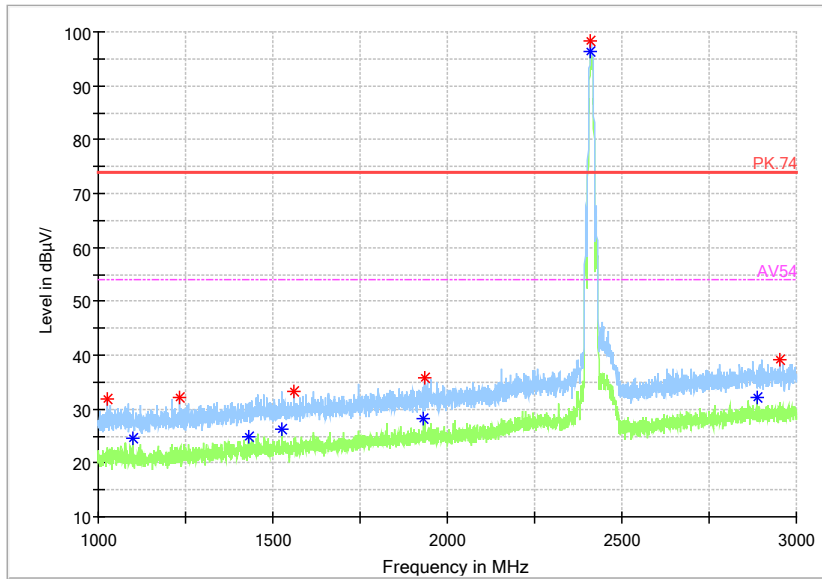
Full Spectrum



Comment

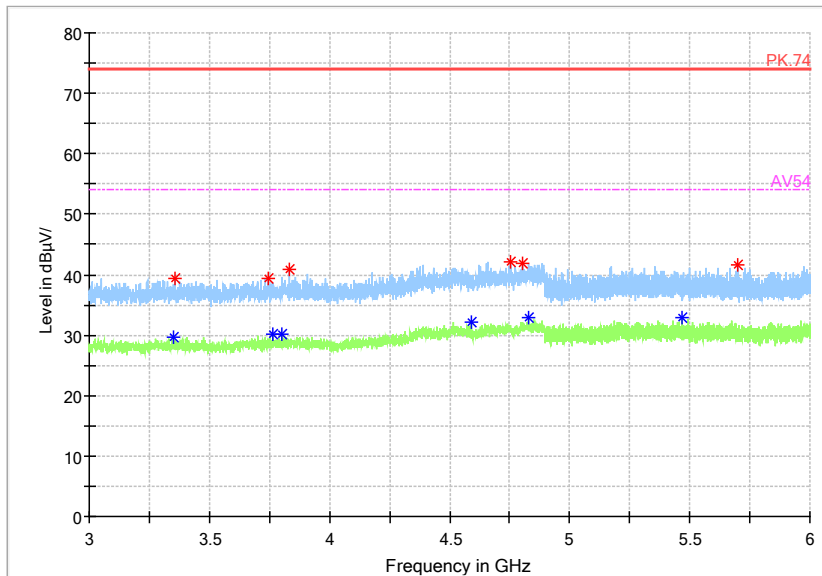
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



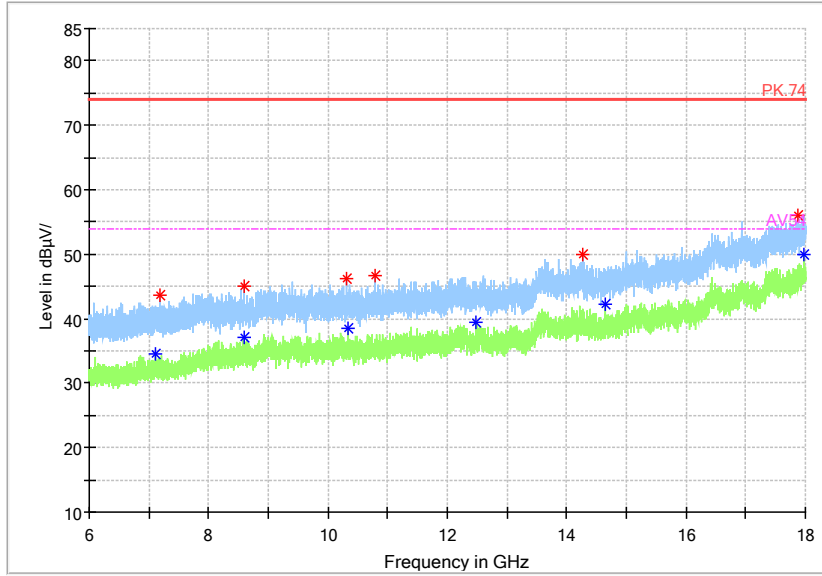
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11n(HT20)

Full Spectrum



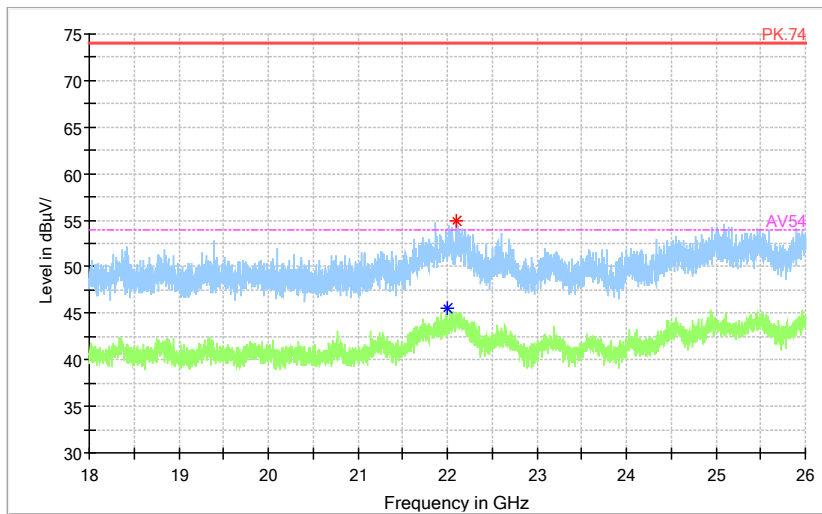
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11n(HT20)

Full Spectrum



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

Full Spectrum

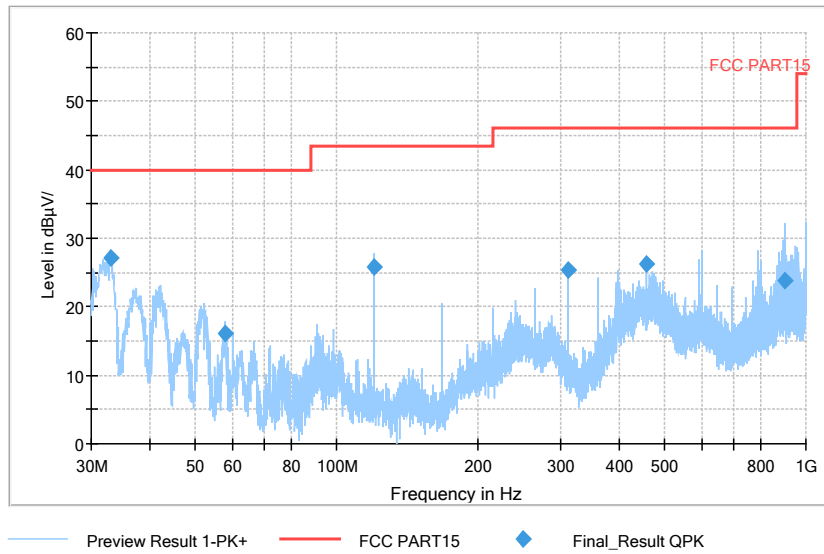


- Preview Result 2-AVG
- Preview Result 1-PK+
- * Critical_Freqs PK+
- PK.74
- Critical_Freqs AVG AV.54
- ◆ Final_Result PK+
- ◆ Final_Result AVG

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

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

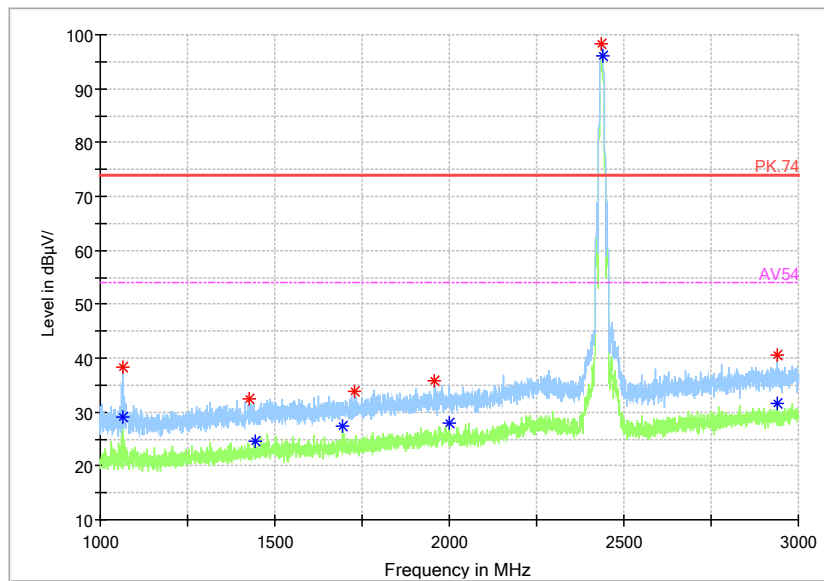
Full Spectrum



Comment

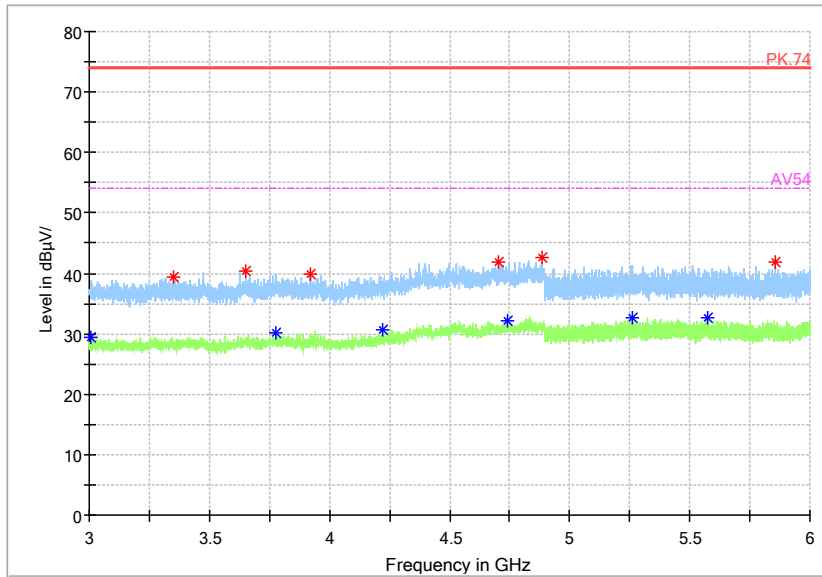
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

Full Spectrum



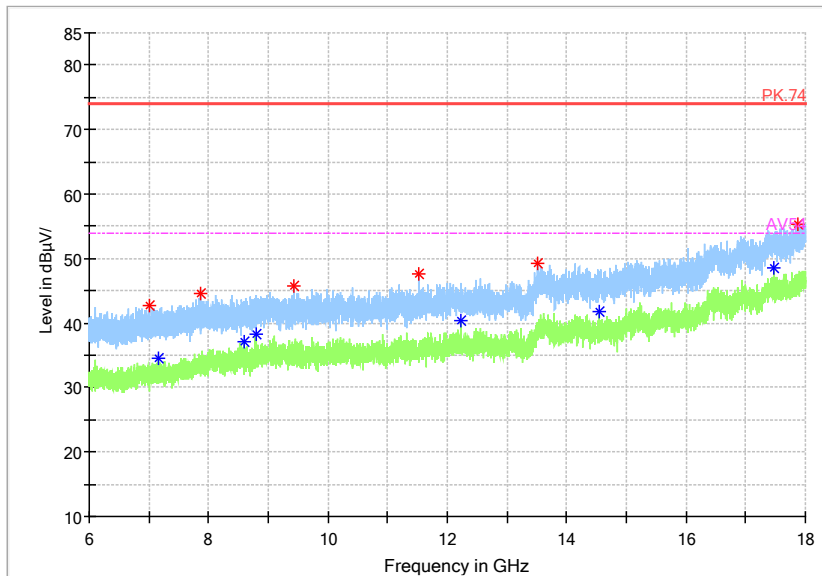
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



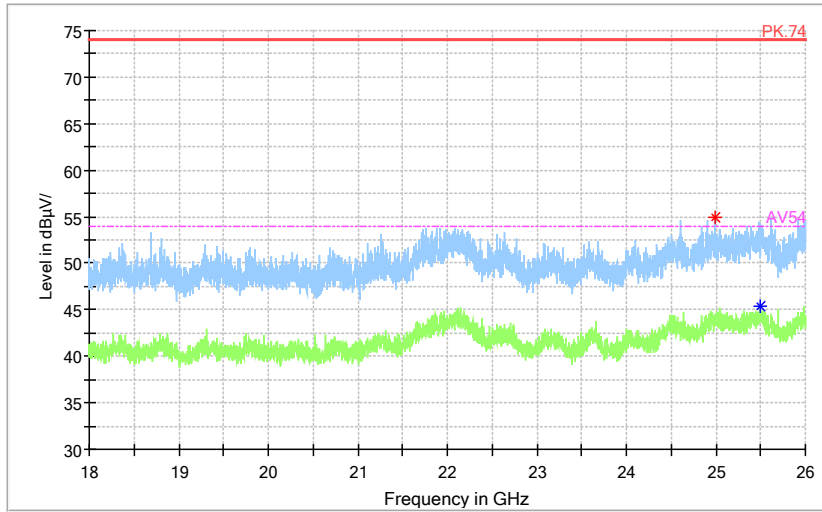
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11b

Full Spectrum



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

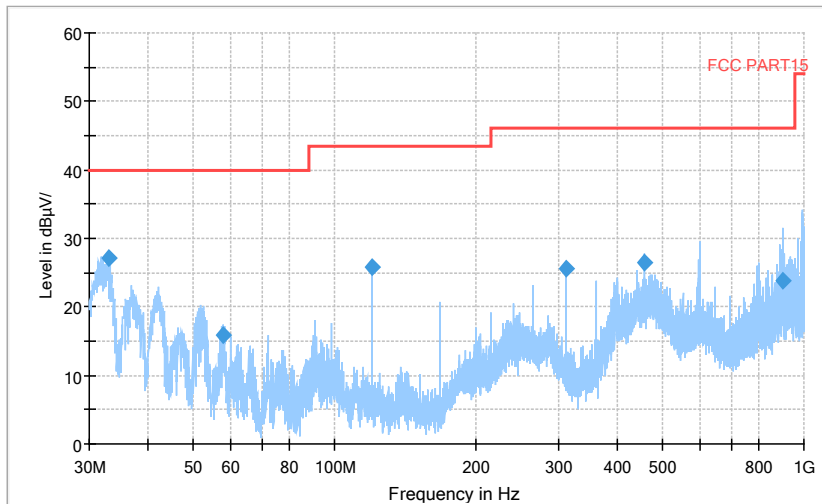
Full Spectrum



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

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

Full Spectrum

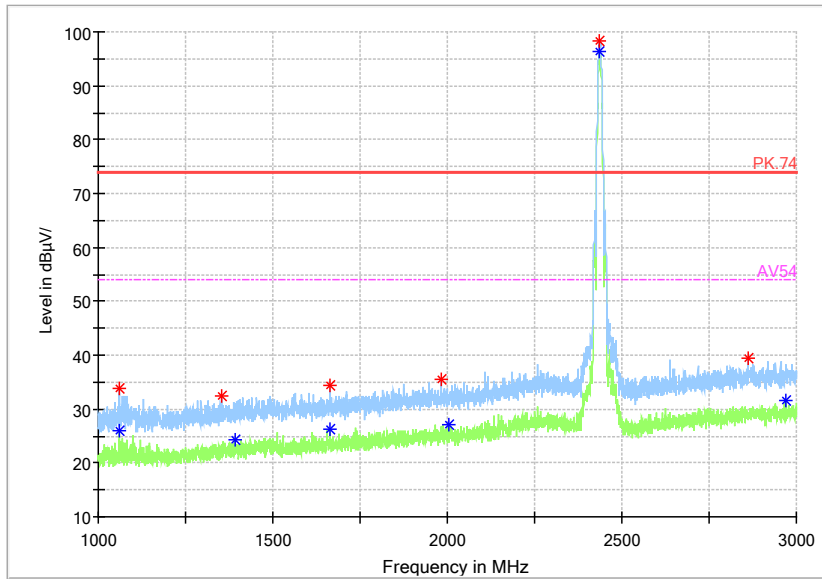


— Preview Result 1-PK+ — FCC PART15 ◆ Final_Result QPK

Comment

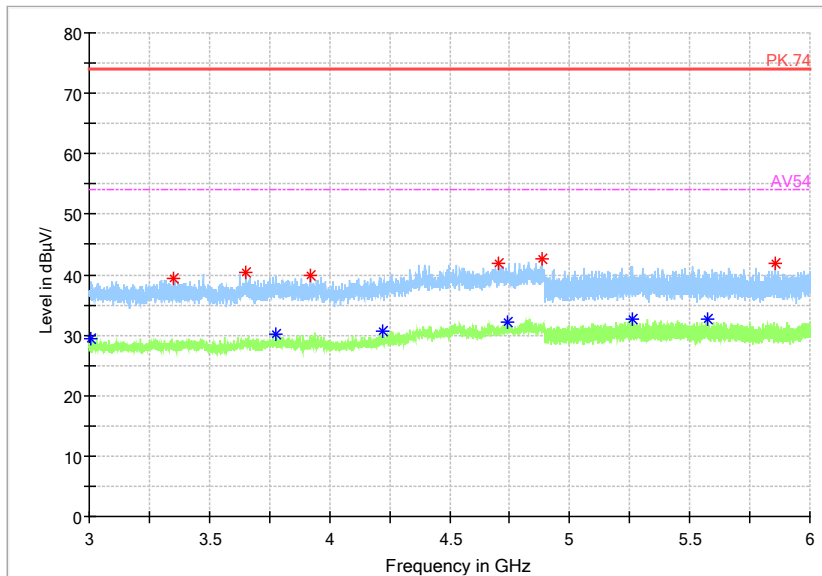
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

Full Spectrum



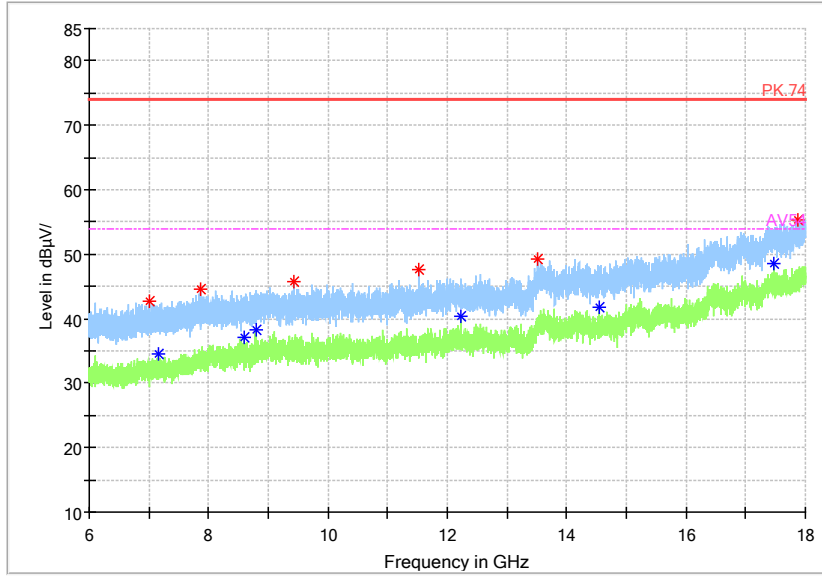
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



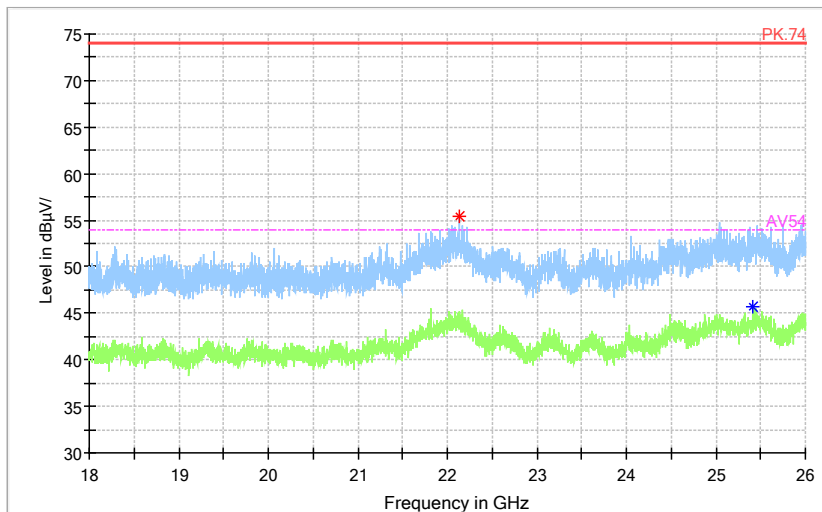
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



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

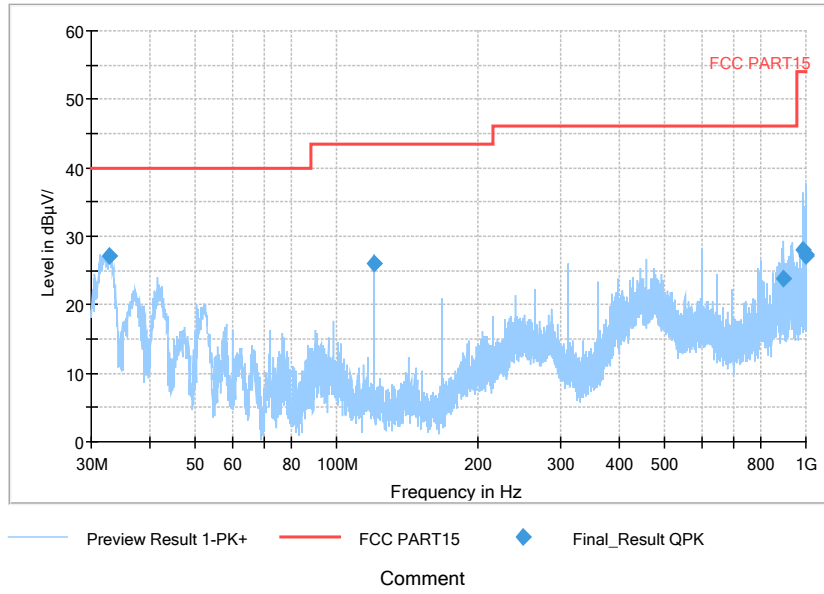
Full Spectrum



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

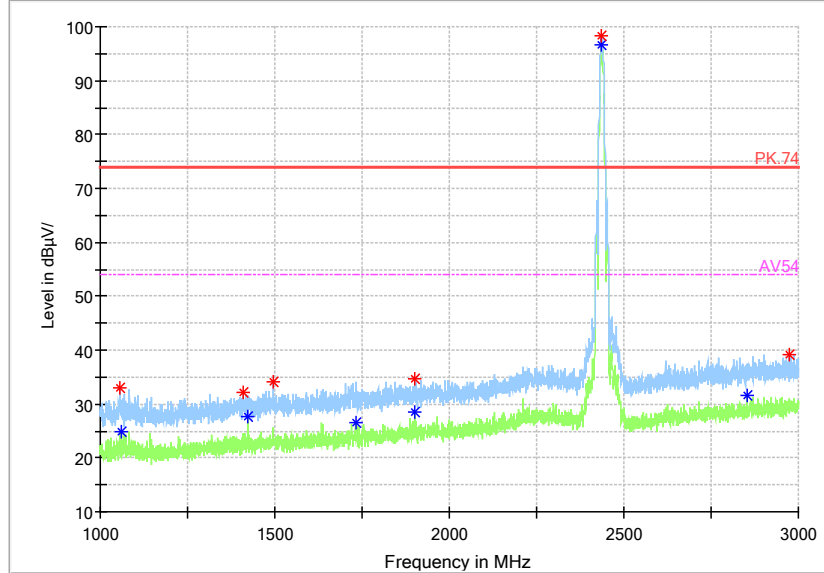
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



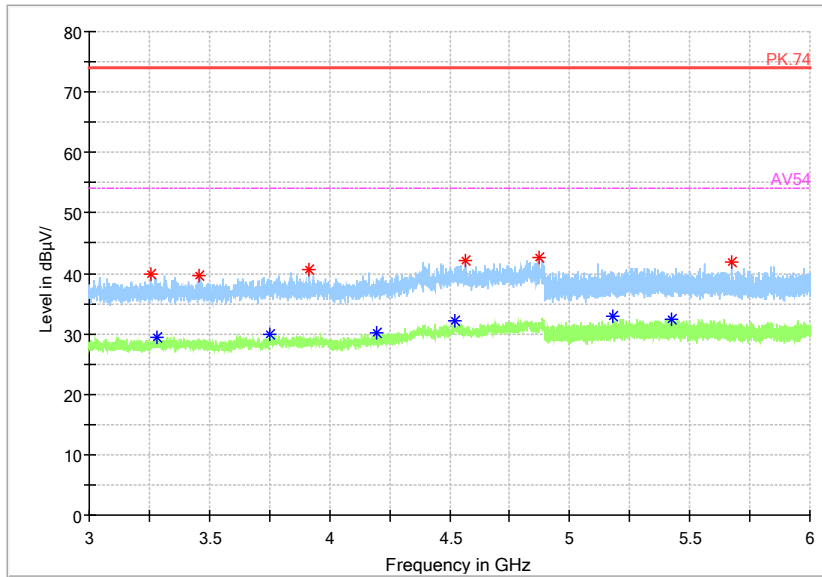
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



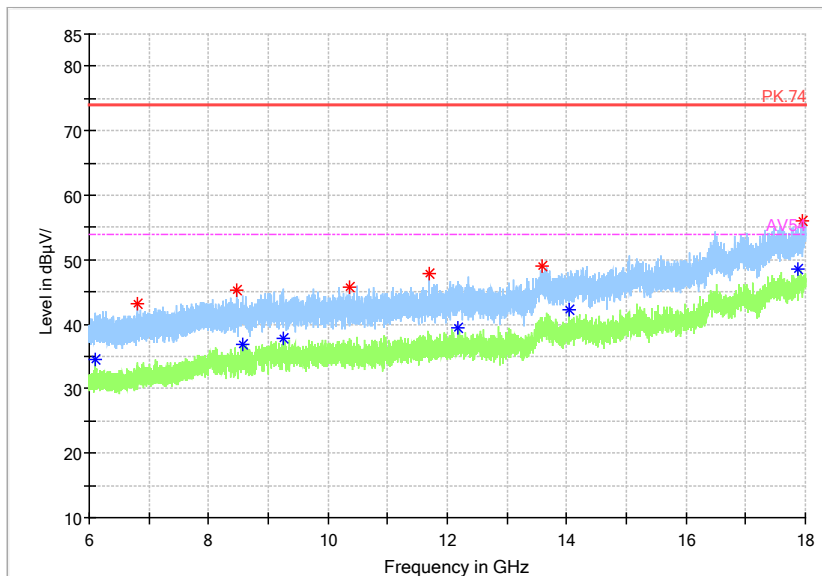
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



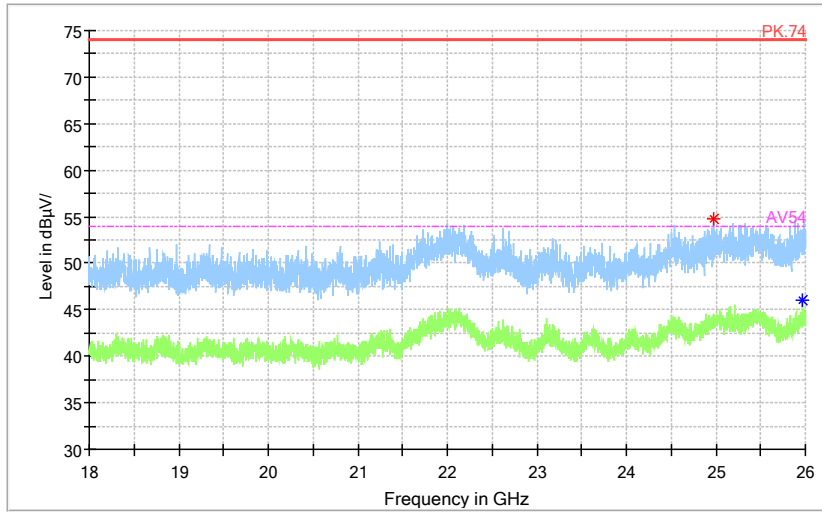
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11n(HT20)

Full Spectrum



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

Full Spectrum

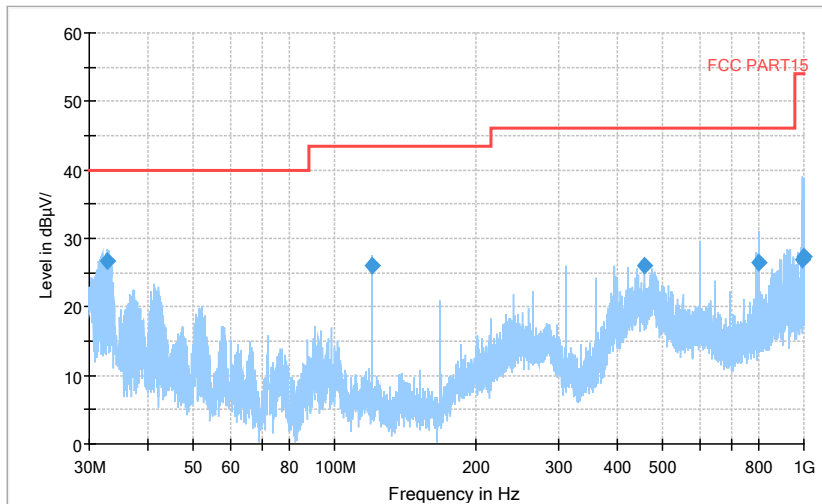


— Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs PK+ * Critical_Freqs AVG AV54
◆ Final_Result PK+ ◆ Final_Result AVG

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

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

Full Spectrum

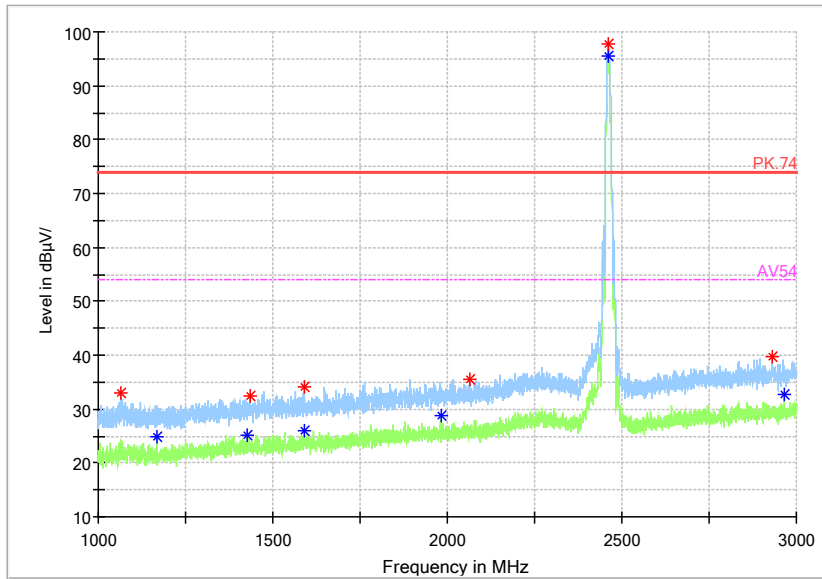


— Preview Result 1-PK+ — FCC PART15 ◆ Final_Result QPK

Comment

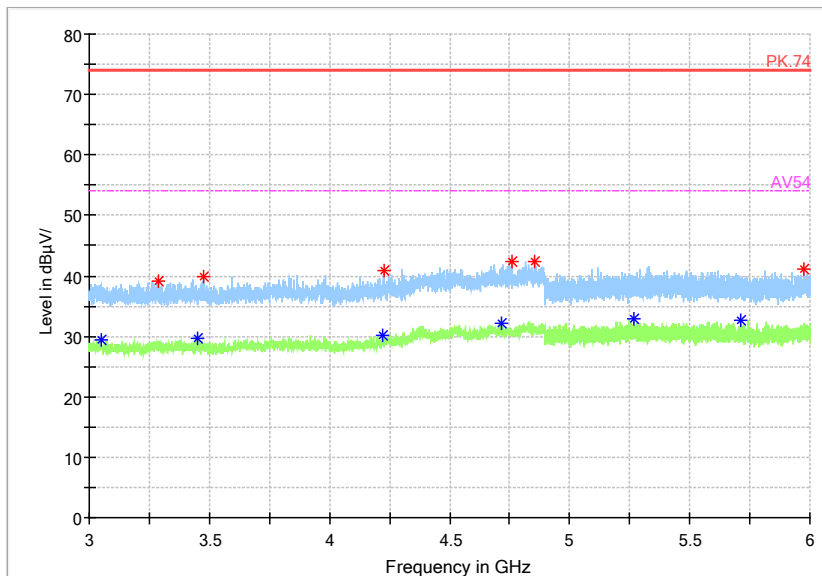
Frequency Range: 30MHz -1GHz
 Detector: QP mode
 Test Mode: 802.11b

Full Spectrum



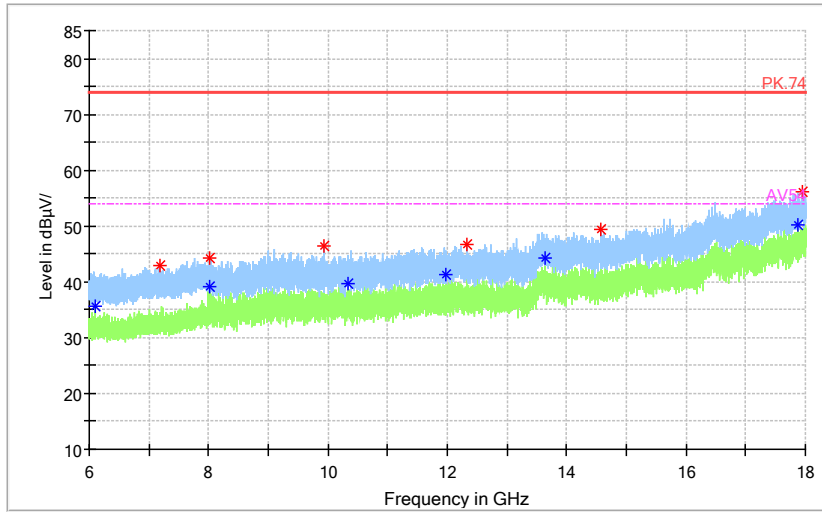
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11b

Full Spectrum



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

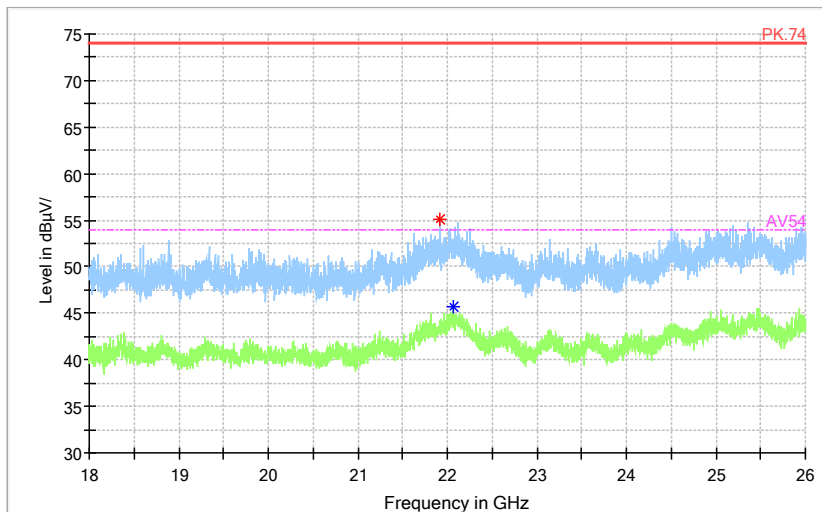
Full Spectrum



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

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

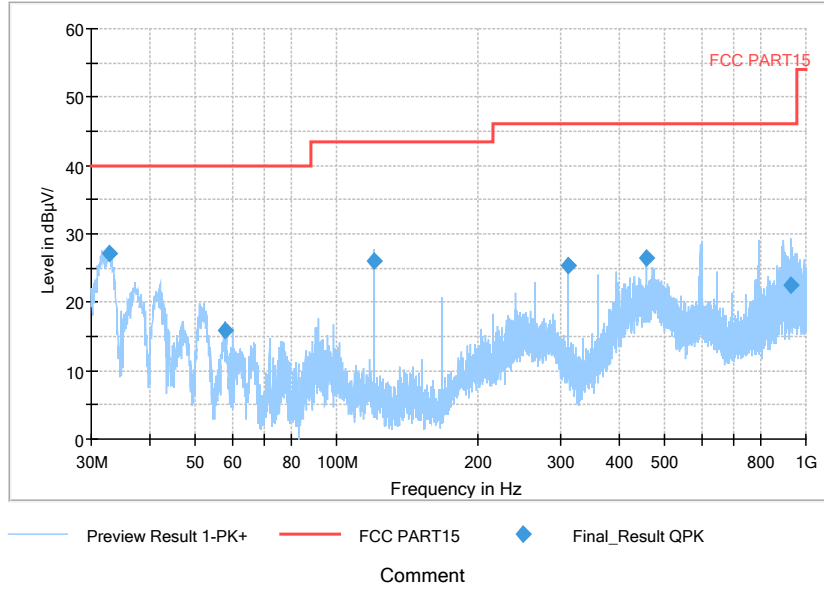
Full Spectrum



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

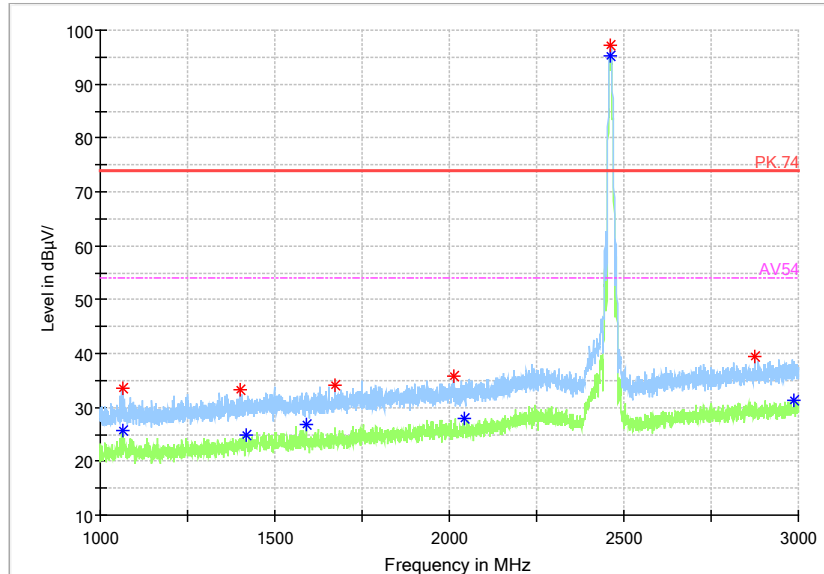
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



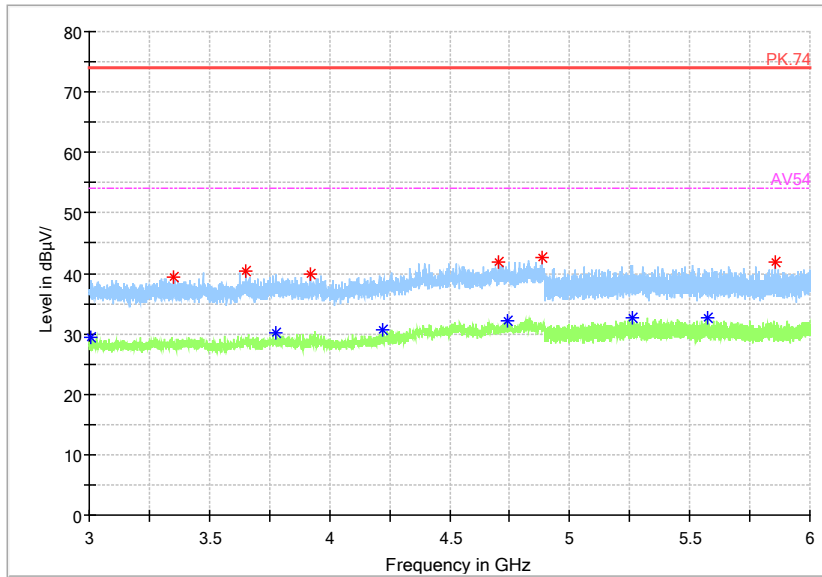
Frequency Range: 30MHz -1GHz
 Detector: QP mode
 Modulation type: 802.11g

Full Spectrum



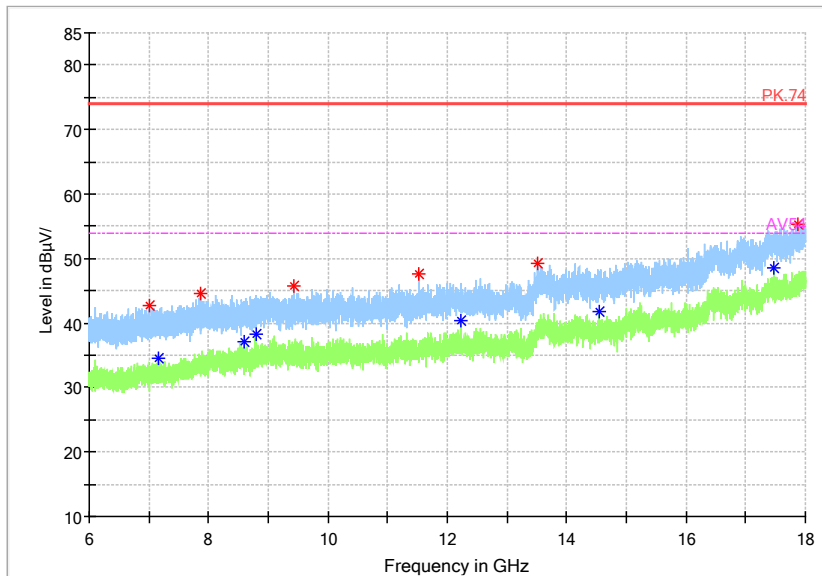
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



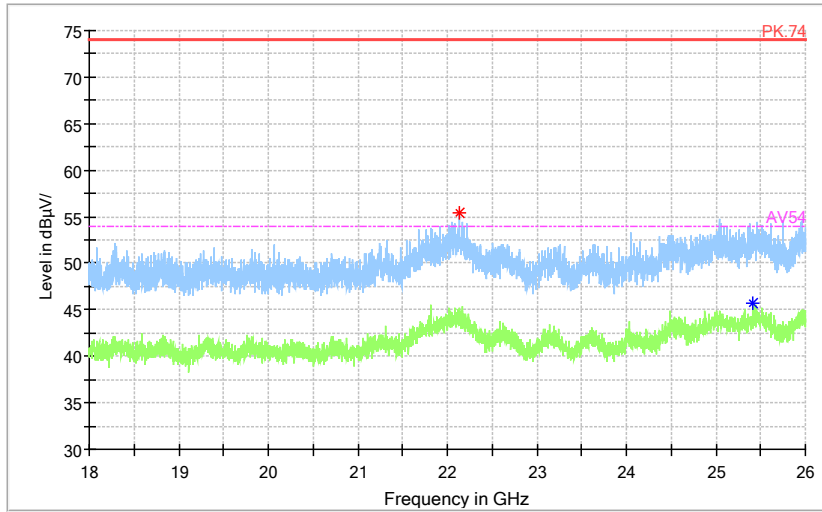
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11g

Full Spectrum



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

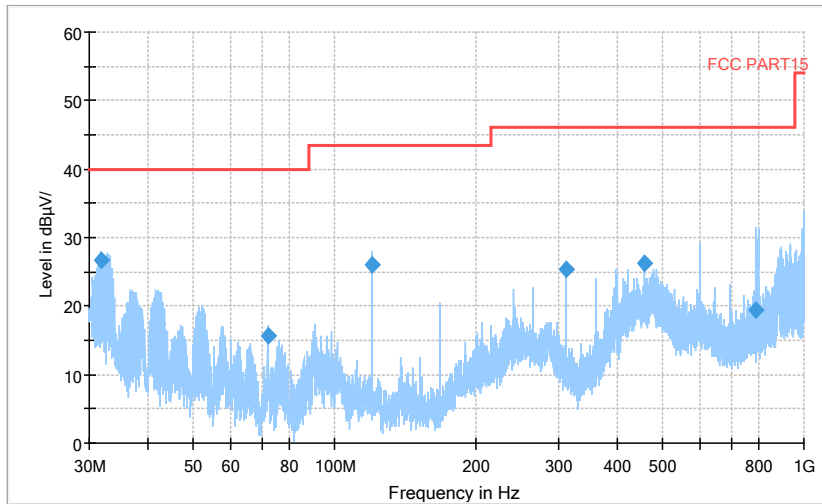
Full Spectrum



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

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

Full Spectrum

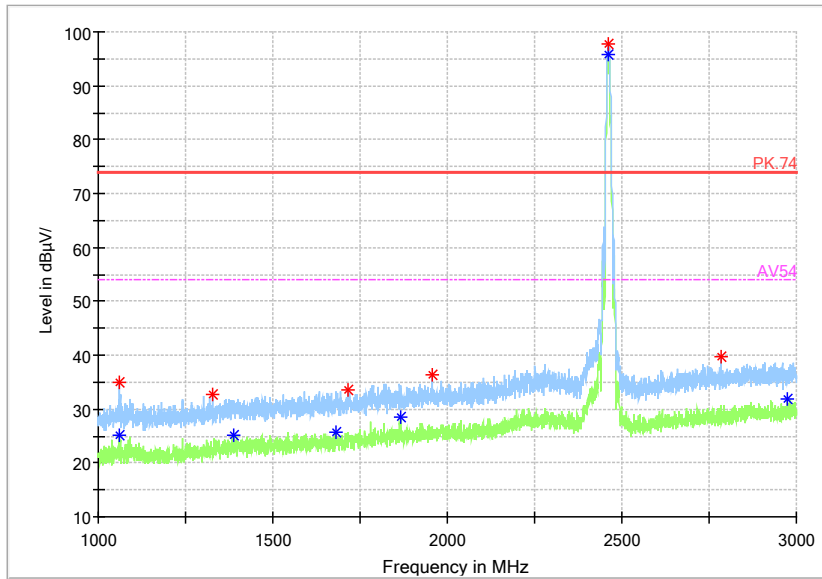


— Preview Result 1-PK+ — FCC PART15 ◆ Final_Result QPK

Comment

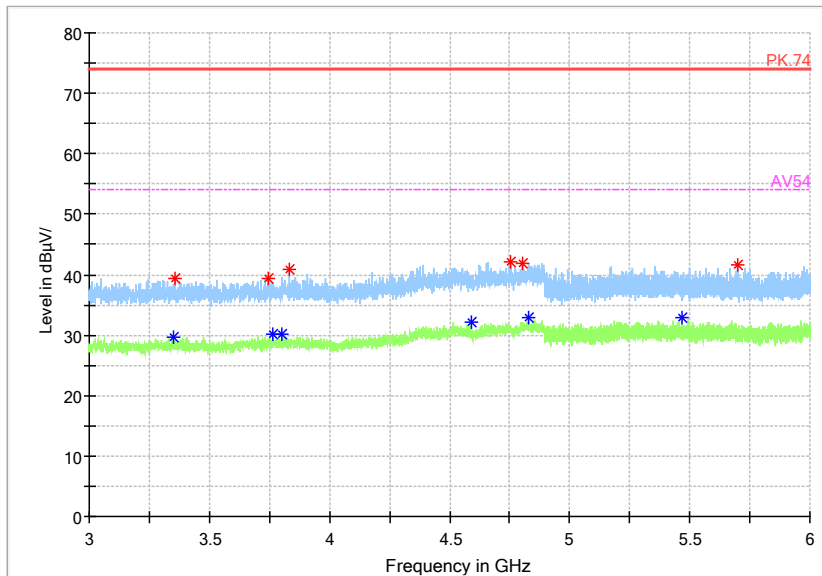
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



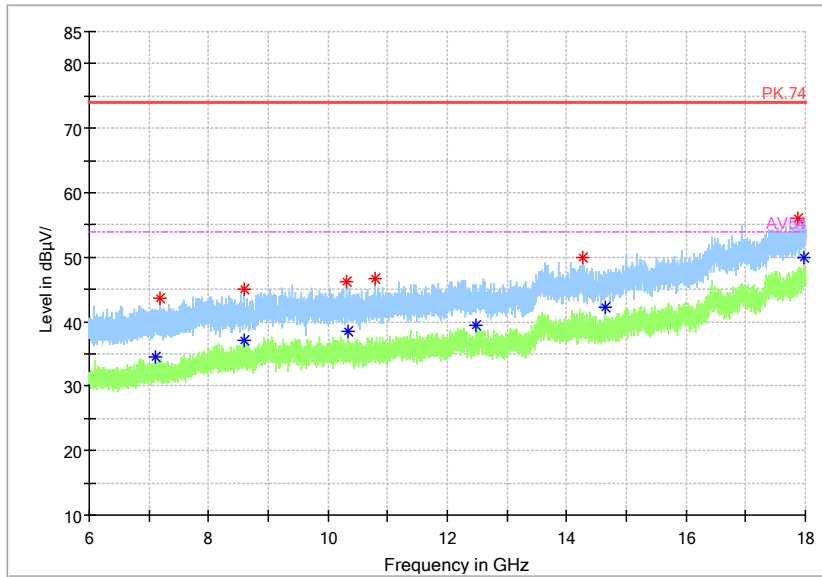
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



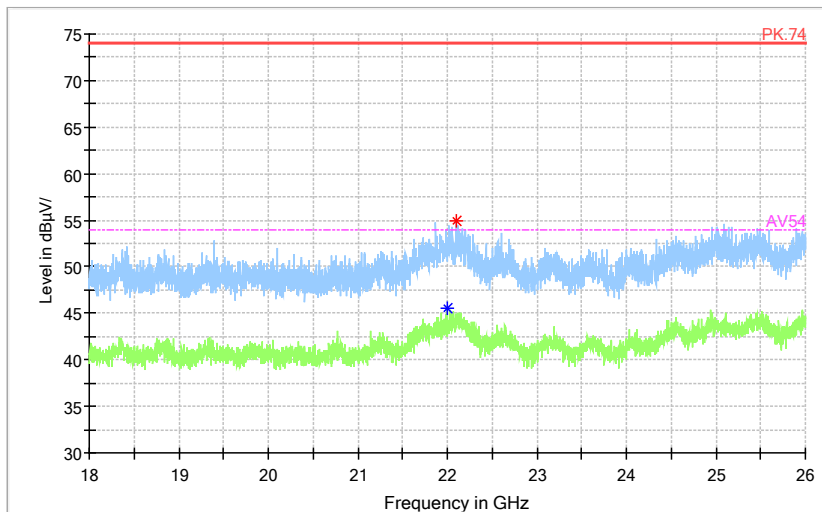
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

Full Spectrum

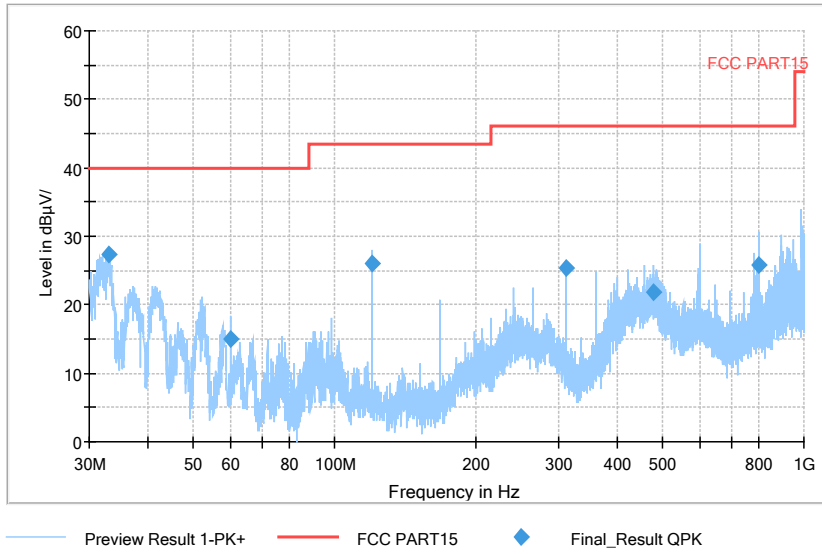


- Preview Result 2-AVG
- Preview Result 1-PK+
- * Critical_Freqs AV54
- * Critical_Freqs PK+
- PK.74
- * Final_Result PK+
- Final_Result AVG
- * Critical_Freqs PK+

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

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

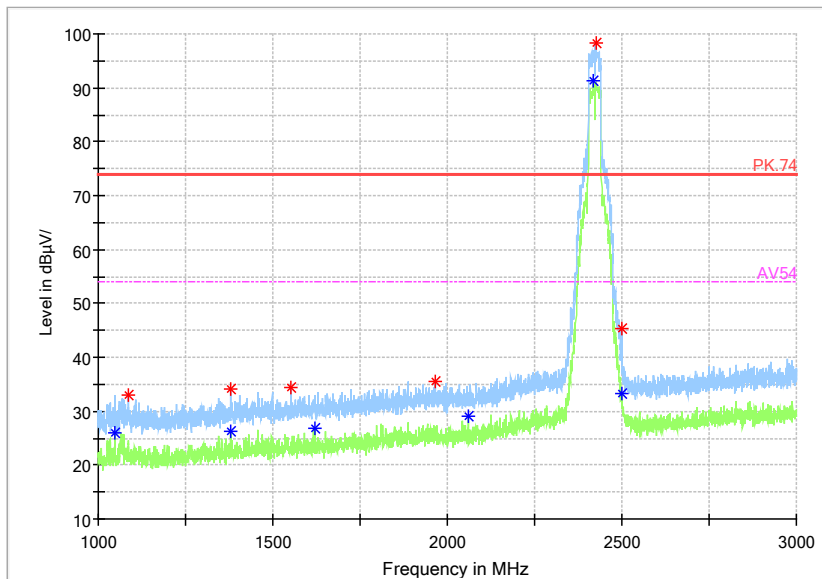
Full Spectrum



Comment

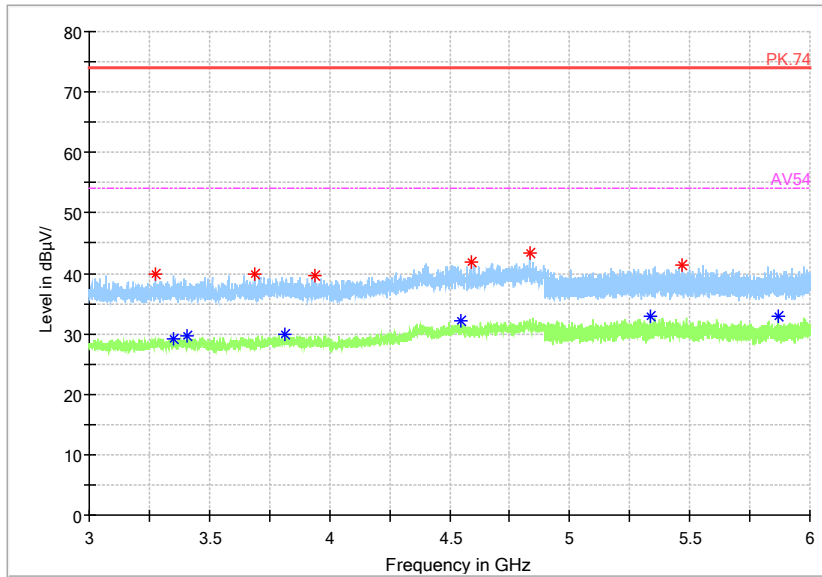
Frequency Range: 30MHz -1GHz
 Detector: QP mode
 Test Mode: 802.11n(HT40)

Full Spectrum



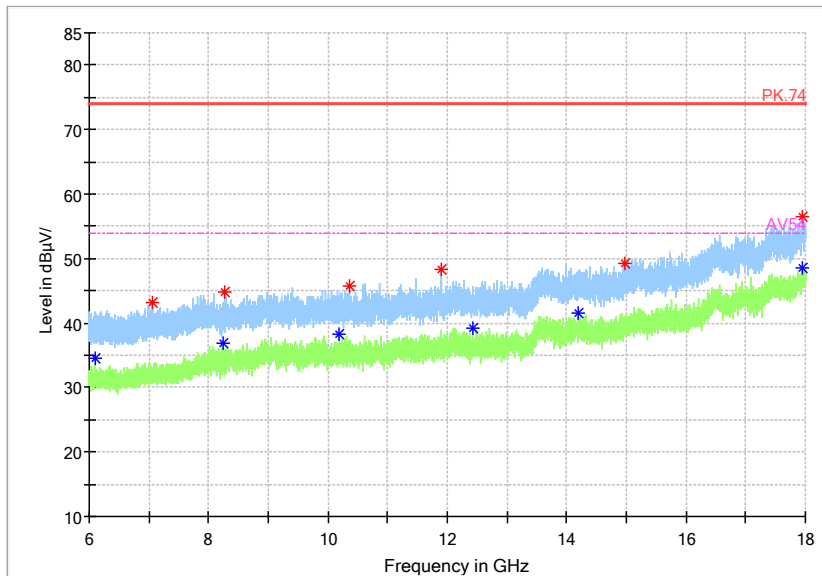
Frequency Range: 1GHz -3GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11n(HT40)

Full Spectrum



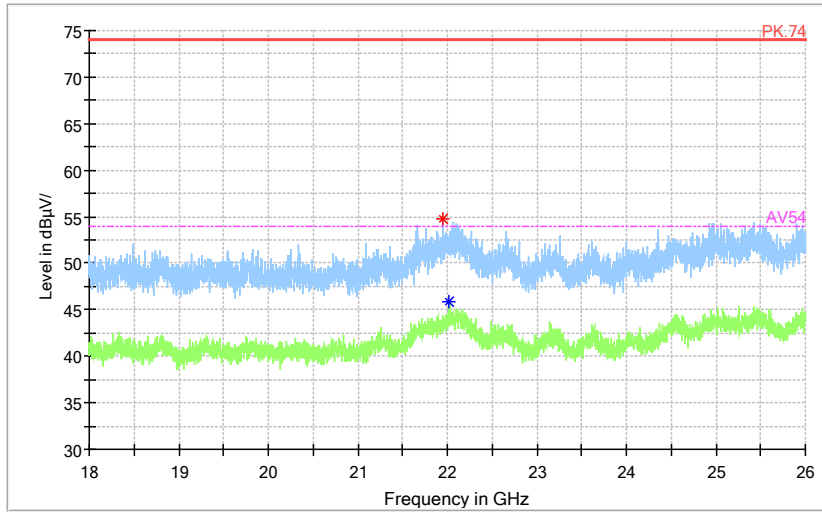
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

Full Spectrum

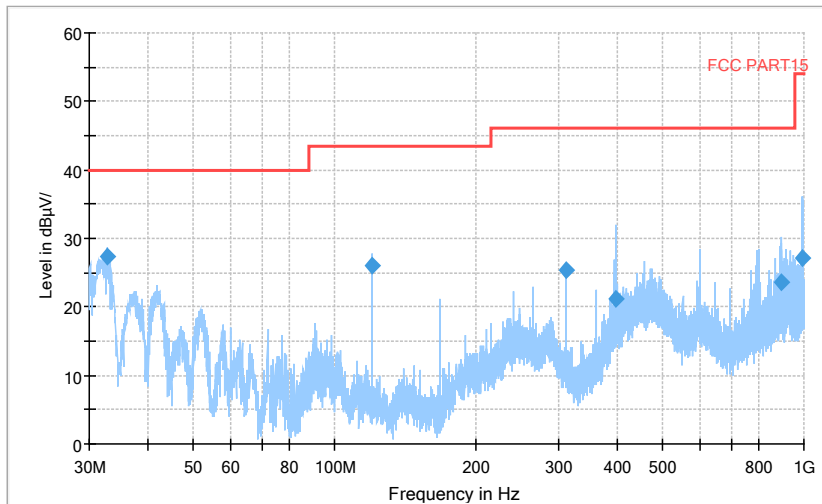


◆ Preview Result 2-AVG — Preview Result 1-PK+ * Critical_Freqs AVG AV54
* Critical_Freqs PK+ — PK.74
◆ Final_Result PK+ ◆ Final_Result AVG

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

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

Full Spectrum

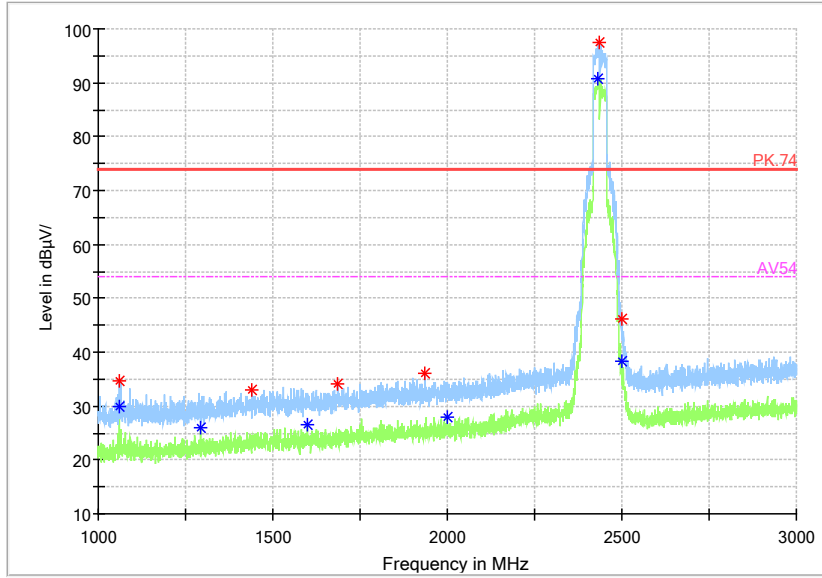


— Preview Result 1-PK+ — FCC PART15 ◆ Final_Result QPK

Comment

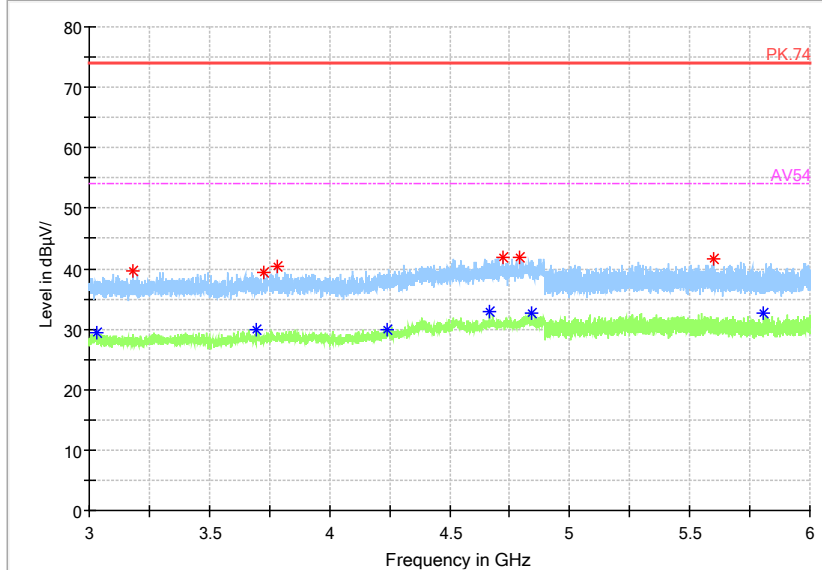
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)

Full Spectrum



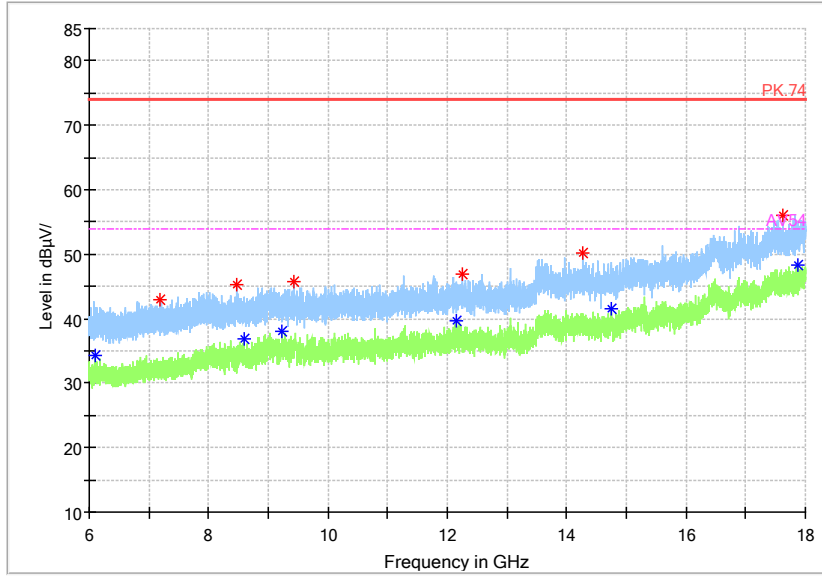
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



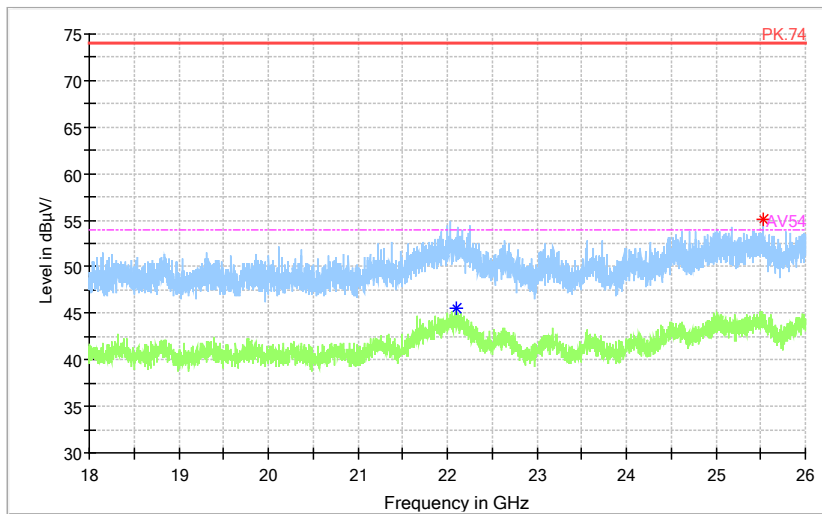
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

Full Spectrum

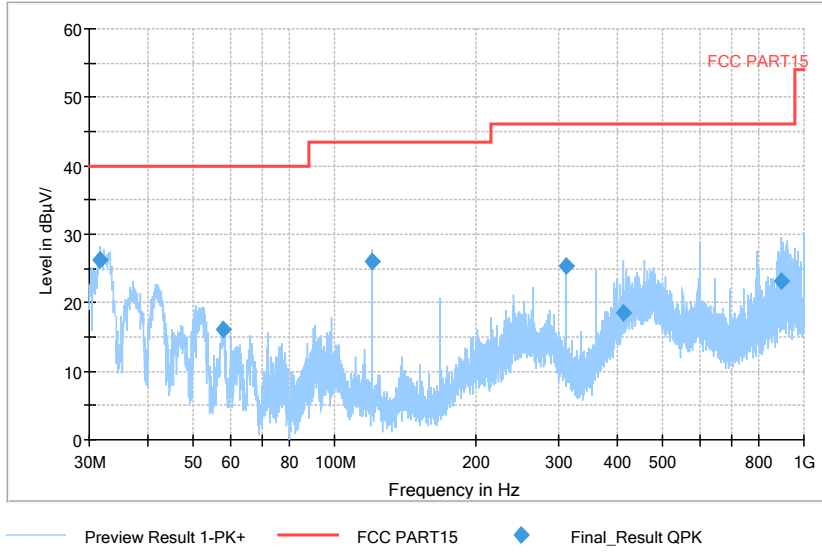


- Preview Result 2-AVG
- Preview Result 1-PK+
- * Critical_Freqs AVG
- * Critical_Freqs PK+
- PK.74
- AV54
- ◆ Final_Result PK+
- ◆ Final_Result AVG

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

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

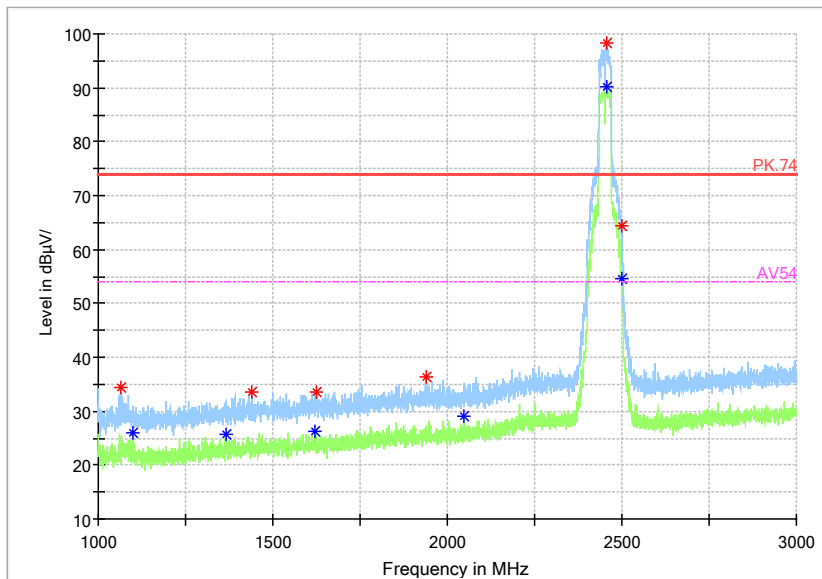
Full Spectrum



Comment

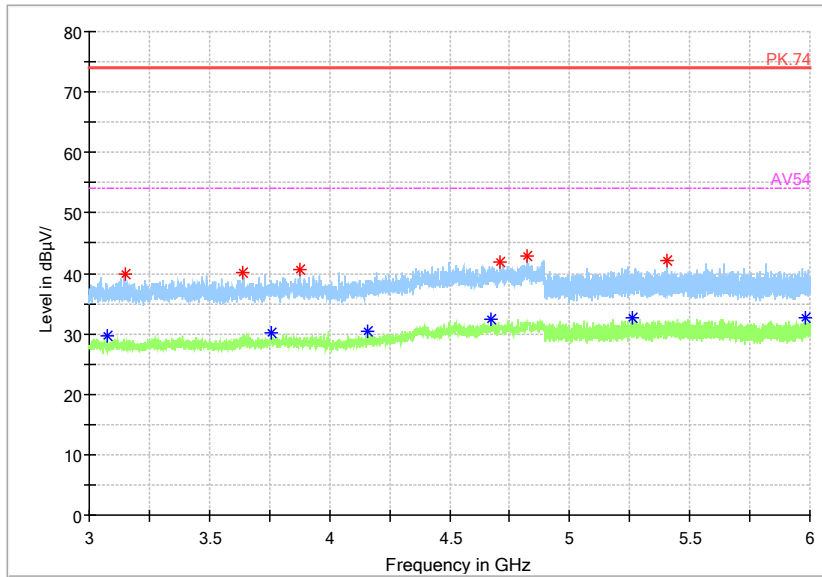
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)

Full Spectrum



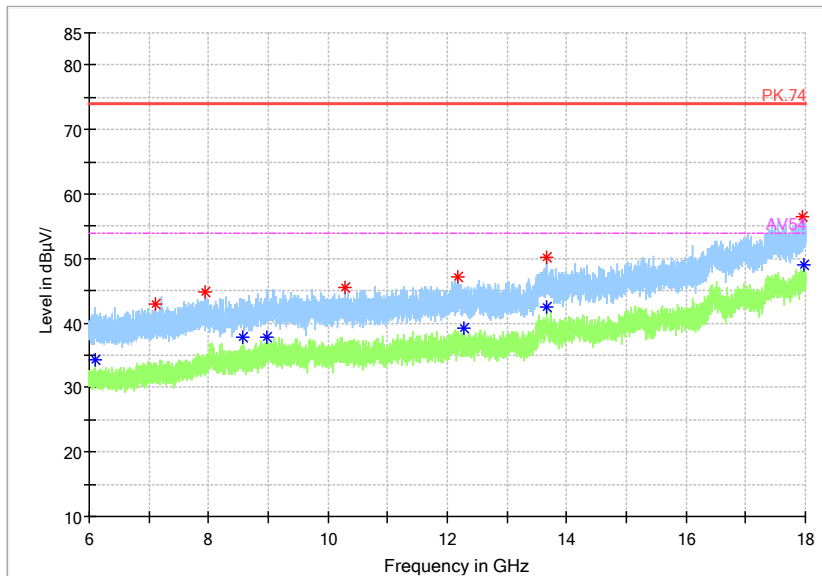
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



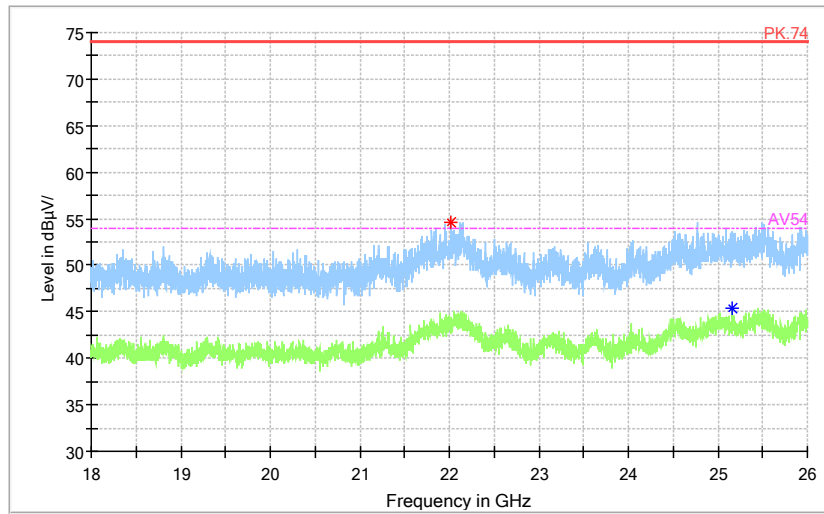
Frequency Range: 3GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11n(HT40)

Full Spectrum



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

Full Spectrum



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

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

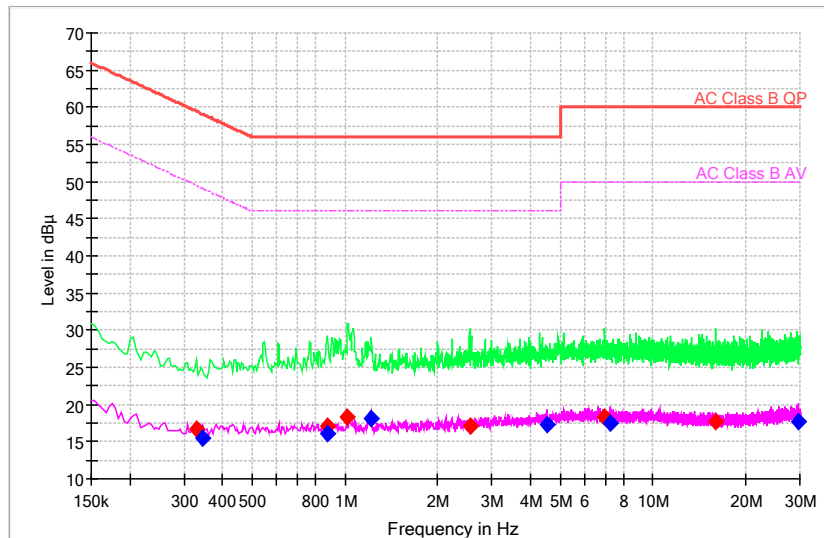
AC Power line Conducted Emission

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

The measurement results are obtained as described below:

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

Sample calculation: $(16.73 \text{ dB}\mu\text{V}) = (-12.87 \text{ dB}\mu\text{V}) + (29.6 \text{ dB})$, the corresponding frequency is 0.329100MHz.



— 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 QuasiPeak (dBμV)	Pmea Average (dBμV)
0.329100	16.73	---	59.47	42.74	L1	29.6	-12.87	---
0.346157	---	15.57	49.05	33.49	L1	29.6	---	-14.03
0.874929	---	16.16	46.00	29.84	L1	29.7	---	-13.54
0.874929	17.10	---	56.00	38.90	L1	29.7	-12.6	---
1.019914	18.24	---	56.00	37.76	L1	29.7	-11.46	---
1.211807	---	18.14	46.00	27.86	L1	29.7	---	-11.56
2.542264	17.04	---	56.00	38.96	L1	29.7	-12.66	---
4.542214	---	17.33	46.00	28.67	L1	29.7	---	-12.37
6.981386	18.35	---	60.00	41.65	L1	29.8	-11.45	---
7.237243	---	17.54	50.00	32.46	N	29.8	---	-12.26
15.940650	17.73	---	60.00	42.27	L1	29.8	-12.07	---
29.808107	---	17.68	50.00	32.32	L1	29.9	---	-12.22

---End of the test report---