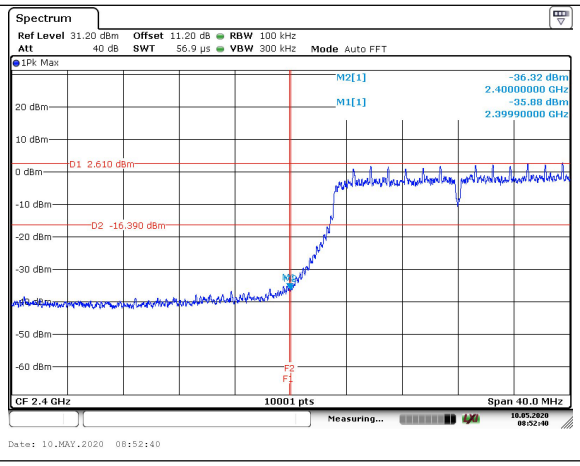
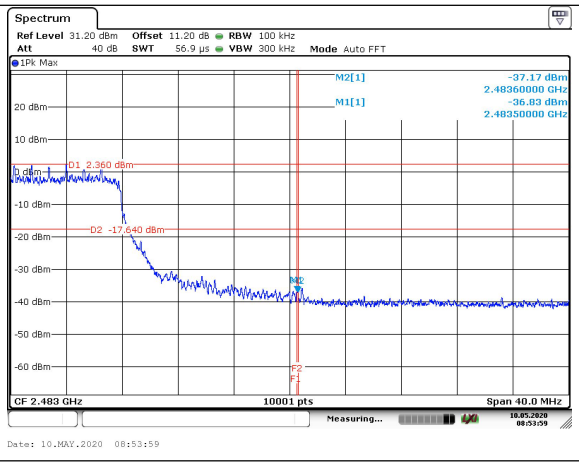
Test Mode: 802.11n (HT20)

CH1

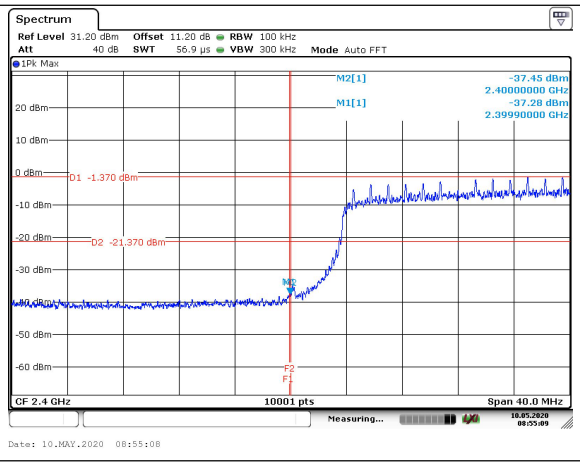


CH11

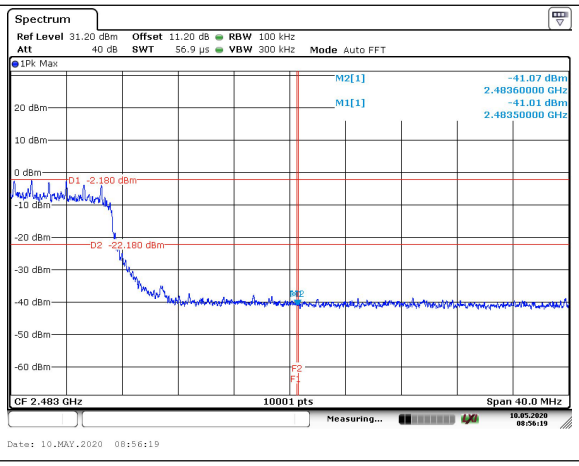


Test Mode: 802.11n (HT40)

CH3



CH9



APPENDIX B – TEST DATA OF RADIATED EMISSION

NOTE1：The test value is much lower than the limit, does not reflect the test value.

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: (89.14 dBuV/m) = (55.41dBμV) + (8.90 dB) + (25.10 dB/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 (dB/m)
1	2412	89.41	55.41	N/A	N/A	8.90	25.10
2	2390	35.41	1.41	-38.59	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	84.09	50.09	N/A	N/A	8.90	25.10
2	2390	35.00	1.00	-39.00	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	76.59	42.59	N/A	N/A	8.90	25.10
2	2390	25.74	-8.26	-28.26	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	73.30	39.30	N/A	N/A	8.90	25.10
2	2390	25.09	-8.91	-28.91	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	91.26	57.26	N/A	N/A	8.90	25.10
2	2483.5	36.90	2.90	-37.10	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	84.65	50.65	N/A	N/A	8.90	25.10
2	2483.5	32.11	-1.89	-41.89	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	77.83	43.83	N/A	N/A	8.90	25.10
2	2483.5	25.84	-8.16	-28.16	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	75.49	41.49	N/A	N/A	8.90	25.10
2	2483.5	24.66	-9.34	-29.34	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	88.83	54.83	N/A	N/A	8.90	25.10
2	2390	35.03	1.03	-38.97	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	84.51	50.51	N/A	N/A	8.90	25.10
2	2390	32.32	-1.68	-41.68	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	74.62	40.62	N/A	N/A	8.90	25.10
2	2390	24.08	-9.92	-29.92	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	73.39	39.39	N/A	N/A	8.90	25.10
2	2390	23.98	-10.02	-30.02	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	91.17	57.17	N/A	N/A	8.90	25.10
2	2483.5	37.85	3.85	-36.15	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	84.58	50.58	N/A	N/A	8.90	25.10
2	2483.5	32.43	-1.57	-41.57	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	75.95	41.95	N/A	N/A	8.90	25.10
2	2483.5	26.07	-7.93	-27.93	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	73.99	39.99	N/A	N/A	8.90	25.10
2	2483.5	24.36	-9.64	-29.64	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	89.56	55.56	N/A	N/A	8.90	25.10
2	2390	37.32	3.32	-36.68	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	84.90	50.90	N/A	N/A	8.90	25.10
2	2390	32.59	-1.41	-41.41	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	77.63	43.63	N/A	N/A	8.90	25.10
2	2390	25.74	-8.26	-28.26	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	75.05	41.05	N/A	N/A	8.90	25.10
2	2390	23.08	-10.92	-30.92	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	92.32	58.32	N/A	N/A	8.90	25.10
2	2483.5	39.08	5.08	-34.92	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	84.67	50.67	N/A	N/A	8.90	25.10
2	2483.5	32.28	-1.72	-41.72	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	77.52	43.52	N/A	N/A	8.90	25.10
2	2483.5	25.57	-8.43	-28.43	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	75.30	41.30	N/A	N/A	8.90	25.10
2	2483.5	25.39	-8.61	-28.61	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/m)
1	2422	90.98	56.98	N/A	N/A	8.90	25.10
2	2390	38.29	4.29	-35.71	74.00	8.90	25.10

Carrier frequency (MHz): 2412
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/m)
1	2422	85.21	51.21	N/A	N/A	8.90	25.10
2	2390	31.73	-2.27	-42.27	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/m)
1	2422	75.51	41.51	N/A	N/A	8.90	25.10
2	2390	25.56	-8.44	-28.44	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/m)
1	2412	72.15	38.15	N/A	N/A	8.90	25.10
2	2390	24.66	-9.34	-29.34	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/m)
1	2452	90.54	56.54	N/A	N/A	8.90	25.10
2	2483.5	36.32	2.32	-37.68	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/m)
1	2452	84.77	50.77	N/A	N/A	8.90	25.10
2	2483.5	31.97	-2.03	-42.03	74.00	8.90	25.10

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

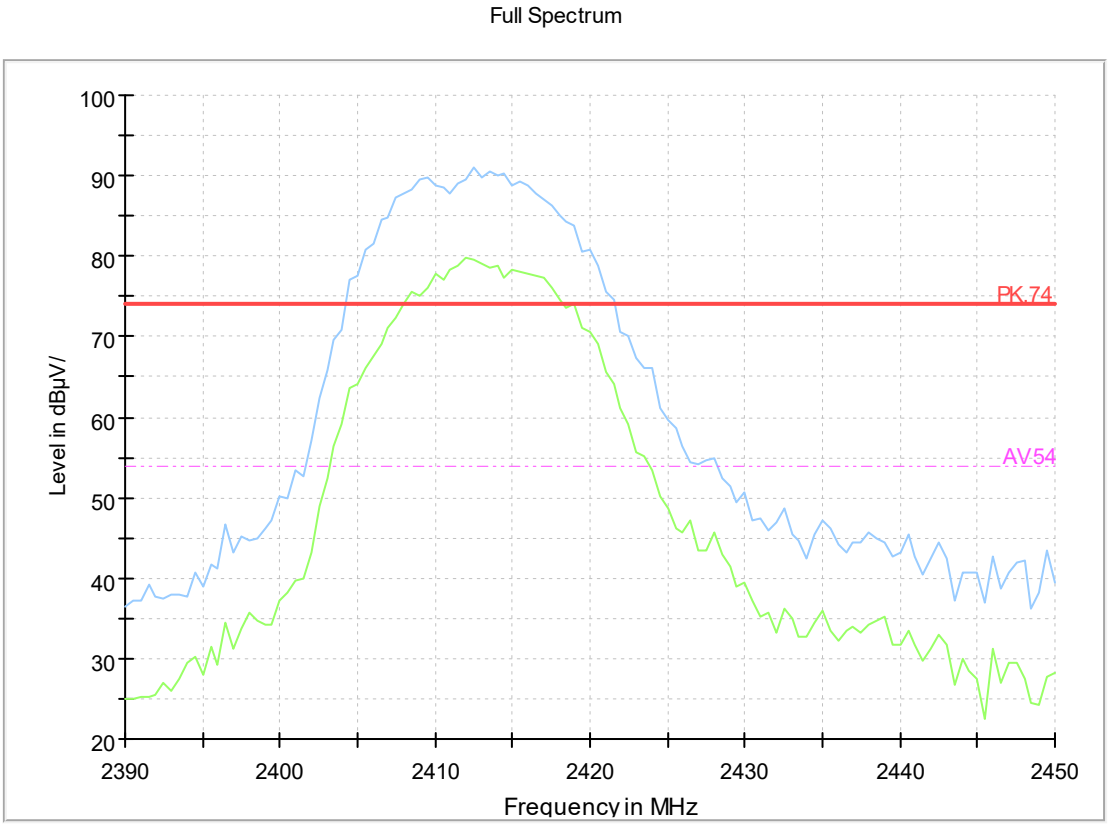
No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB/m)
1	2452	77.22	43.22	N/A	N/A	8.90	25.10
2	2483.5	25.00	-9.00	-29.00	54.00	8.90	25.10

Carrier frequency (MHz): 2452

Channel No.:9
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	2452	74.04	40.04	N/A	N/A	8.90	25.10
2	2483.5	23.92	-10.08	-30.08	54.00	8.90	25.10

BandEdge Plot for 802.11b CH2412



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: (24.70dBμV/m) = (-21.1dB/m) + (45.80dBuV), the corresponding frequency is 30.339500MHz.
The worst case attitude: The mobile lay down.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.339500	24.70	-21.1	45.80	Vertical	40.00
42.707000	19.23	-17.8	37.03	Vertical	40.00
107.794000	25.99	-19.4	45.39	Vertical	43.50
199.022500	22.17	-18.3	40.47	Vertical	43.50
324.589000	25.09	-14.3	39.39	Vertical	46.00
351.700500	24.50	-13.4	37.90	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.291000	23.65	-21.1	44.75	Vertical	40.00
42.707000	19.14	-17.8	36.94	Vertical	40.00
85.678000	18.20	-22.0	40.20	Vertical	40.00
107.163500	26.28	-19.3	45.58	Vertical	43.50
202.466000	22.40	-18.2	40.60	Vertical	43.50
326.189500	25.02	-14.3	39.32	Vertical	46.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.582000	25.71	-21.0	46.71	Vertical	40.00
42.610000	19.17	-17.8	36.97	Vertical	40.00
107.309000	25.41	-19.4	44.81	Vertical	43.50
203.339000	21.92	-18.2	40.12	Vertical	43.50
326.432000	25.36	-14.2	39.56	Vertical	46.00
924.291500	24.35	-1.1	25.45	Vertical	46.00

For 802.11 n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.339500	23.43	-21.1	44.53	Vertical	40.00
96.396500	24.50	-19.3	43.80	Vertical	43.50
167.934000	22.16	-20.8	42.96	Vertical	43.50
175.209000	21.16	-20.4	41.56	Vertical	43.50
331.330500	24.08	-14.1	38.18	Vertical	46.00
912.215000	23.89	-1.3	25.19	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
33.152500	19.38	-20.2	39.58	Vertical	40.00
48.672500	16.42	-17.2	33.62	Vertical	40.00
85.338500	14.07	-22.1	36.17	Vertical	40.00
87.618000	16.31	-21.4	37.71	Vertical	40.00
182.872000	18.61	-19.9	38.51	Vertical	43.50
891.748000	25.30	-1.7	27.00	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.194000	19.94	-21.1	41.04	Vertical	40.00
51.000500	15.58	-17.2	32.78	Vertical	40.00
85.484000	15.92	-22.1	38.02	Vertical	40.00
96.930000	19.12	-19.2	38.32	Vertical	43.50
172.881000	17.66	-20.5	38.16	Vertical	43.50
949.899500	23.81	-0.9	24.71	Vertical	46.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
33.395000	18.28	-20.2	38.48	Vertical	40.00
51.582500	17.31	-17.3	34.61	Vertical	40.00
85.484000	15.43	-22.1	37.53	Vertical	40.00
87.230000	15.90	-21.5	37.40	Vertical	43.50
172.978000	18.62	-20.5	39.12	Vertical	43.50
953.779500	23.52	-0.8	24.32	Vertical	46.00

For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
33.104000	18.18	-20.3	38.48	Vertical	40.00
49.206000	17.16	-17.2	34.36	Vertical	40.00
85.241500	14.49	-22.2	36.69	Vertical	40.00
87.715000	16.81	-21.3	38.11	Vertical	40.00
325.559000	19.59	-14.3	33.89	Vertical	46.00
949.414500	23.28	-0.9	24.18	Vertical	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
31.115500	22.76	-20.8	43.56	Vertical	40.00
43.289000	18.05	-17.8	35.85	Vertical	40.00
85.872000	18.98	-21.9	40.88	Vertical	40.00
107.406000	26.94	-19.4	46.34	Vertical	43.50
331.670000	27.08	-14.1	41.18	Vertical	46.00
351.991500	25.17	-13.4	38.57	Vertical	46.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
33.783000	18.96	-20.1	39.06	Vertical	40.00
48.769500	14.68	-17.2	31.88	Vertical	40.00
85.678000	15.36	-22.0	37.36	Vertical	40.00
86.987500	16.98	-21.6	38.58	Vertical	40.00
665.835000	19.57	-5.8	25.37	Vertical	46.00
923.030500	23.44	-1.2	24.64	Vertical	46.00

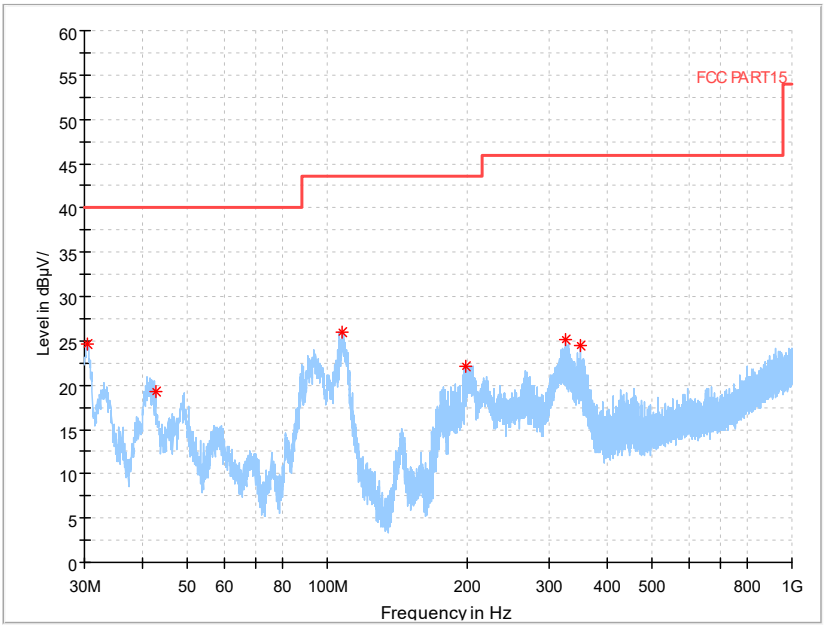
For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.824500	24.00	-20.9	44.90	Vertical	40.00
85.338500	21.02	-22.1	43.12	Vertical	40.00
107.406000	28.40	-19.4	47.80	Vertical	43.50
207.801000	23.56	-18.1	41.66	Vertical	43.50
345.056000	27.73	-13.6	41.33	Vertical	46.00
350.633500	27.79	-13.4	41.19	Vertical	46.00

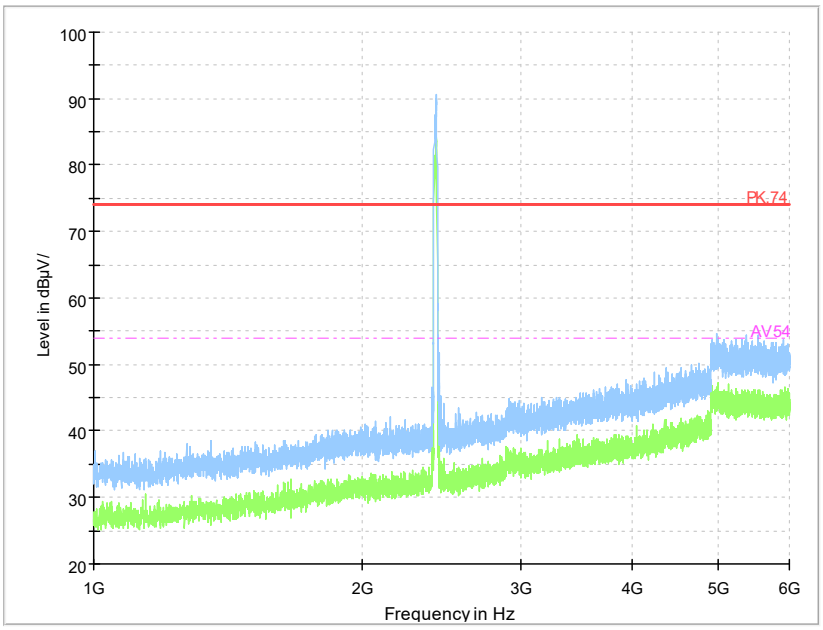
For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity	Limit (dBuV/m)
30.436500	24.92	-21.0	45.92	Vertical	40.00
85.581000	19.21	-22.0	41.21	Vertical	40.00
107.357500	26.50	-19.4	45.90	Vertical	43.50
208.965000	22.25	-18.1	40.35	Vertical	43.50
345.929000	27.11	-13.6	40.71	Vertical	46.00
350.391000	27.93	-13.4	41.33	Vertical	46.00

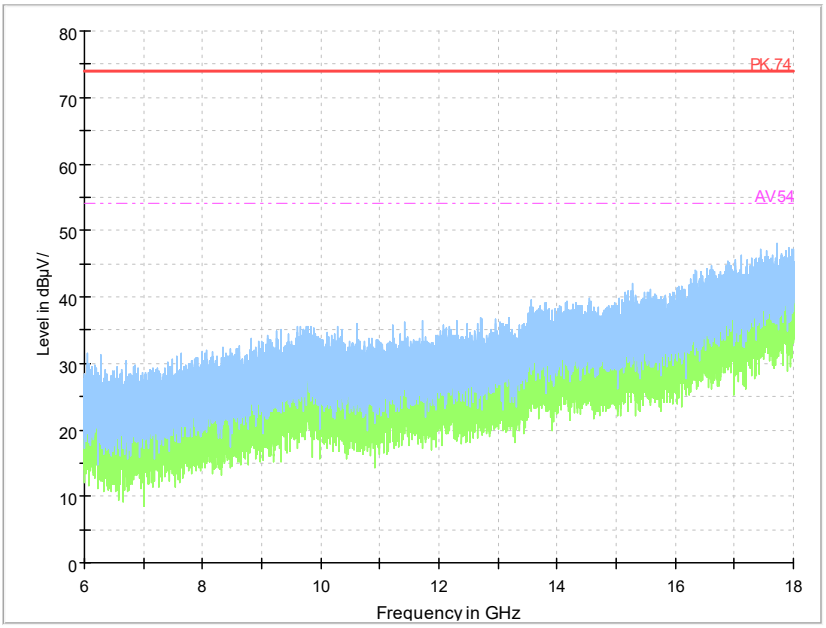
Carrier frequency (MHz): 2412
Channel No.:1



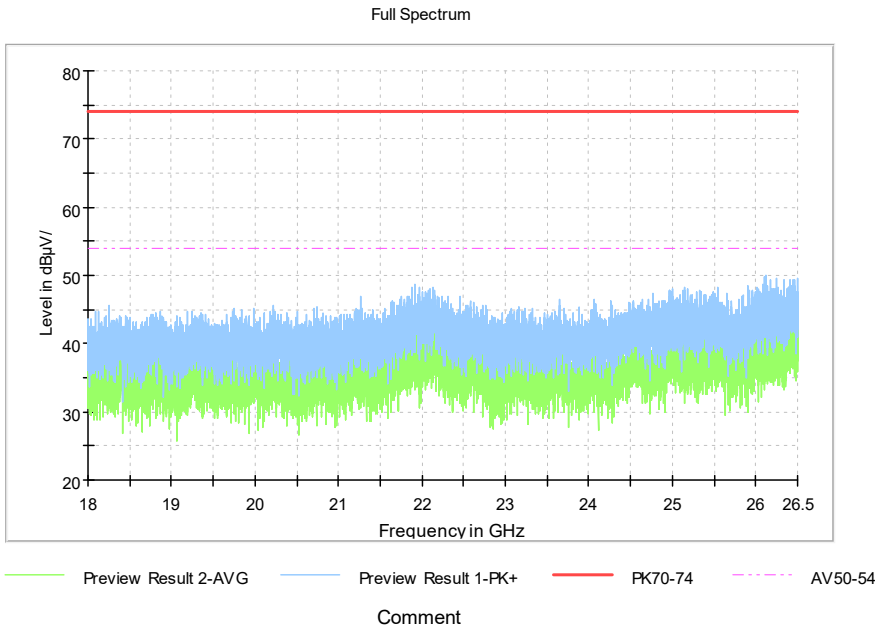
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



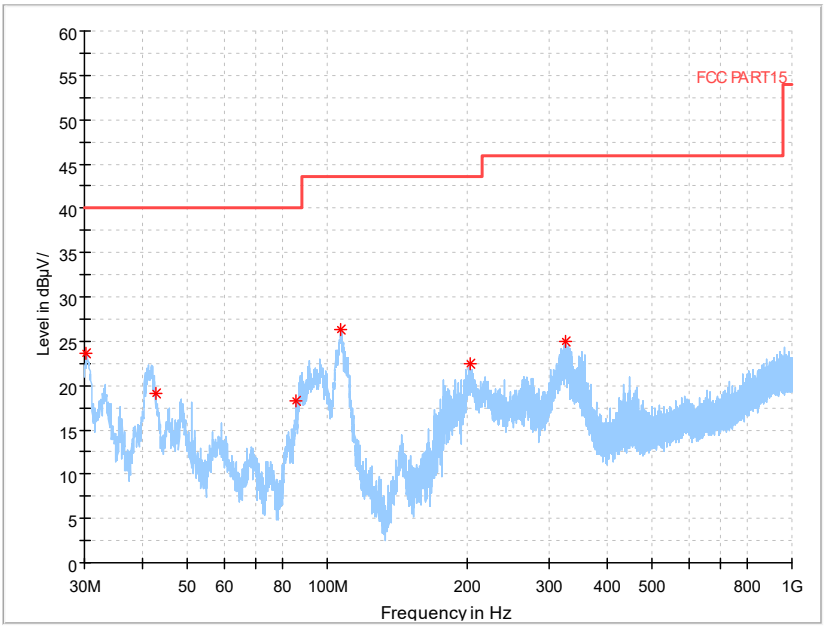
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



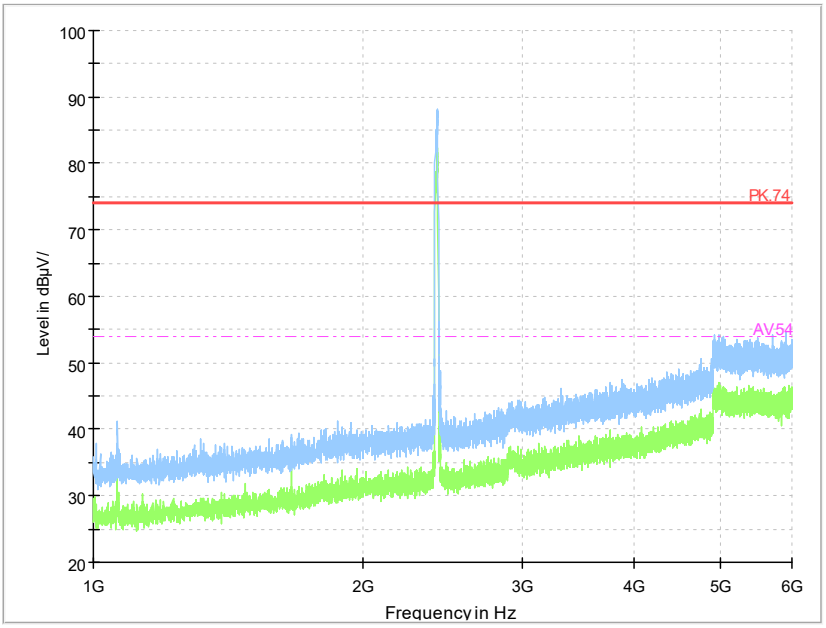
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



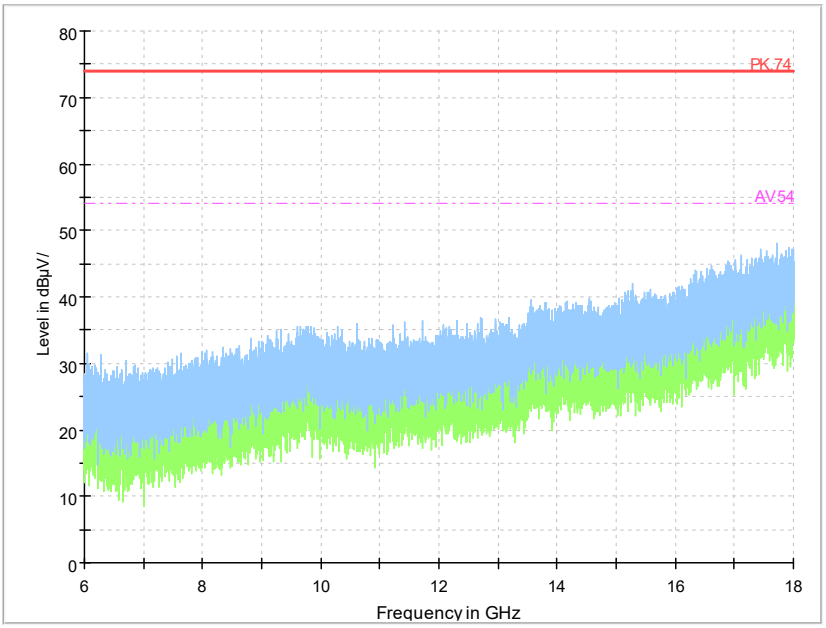
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



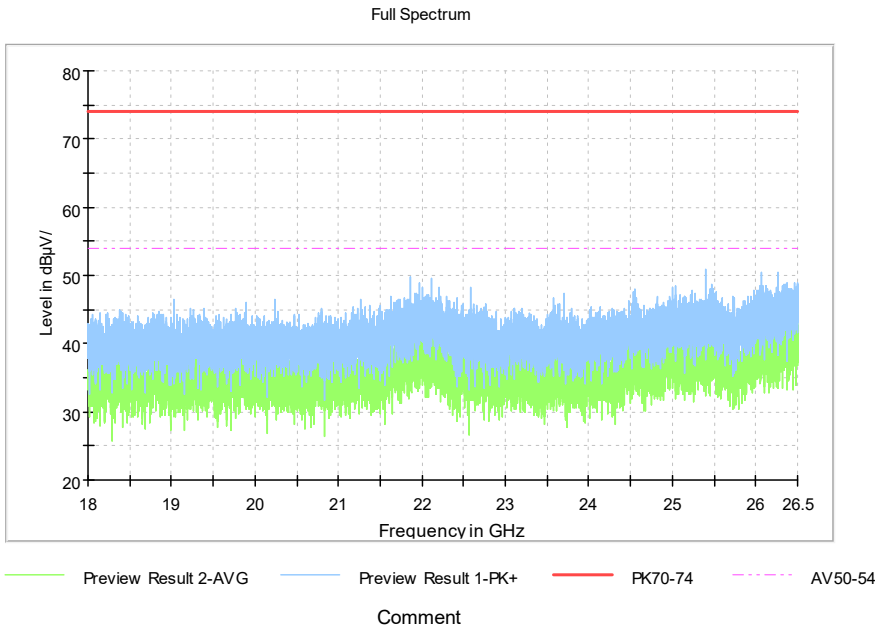
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



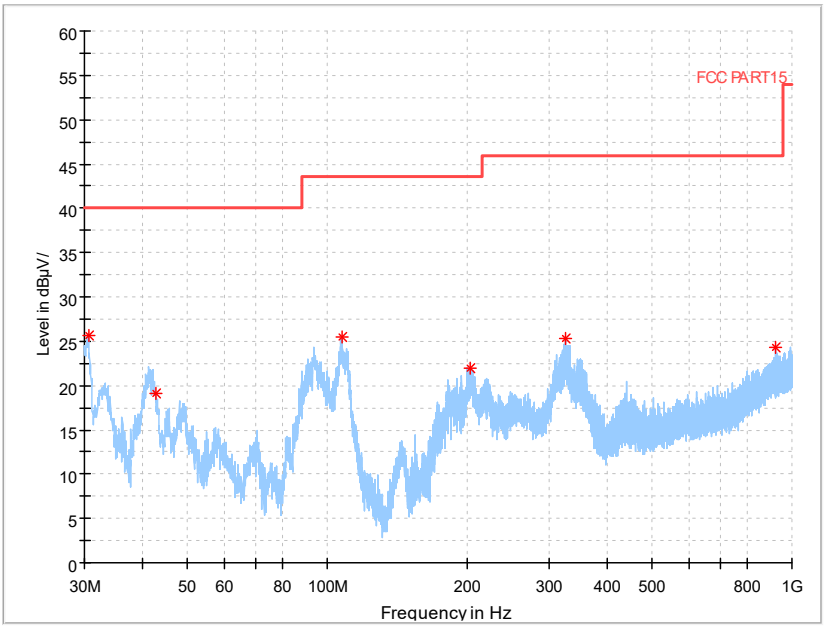
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



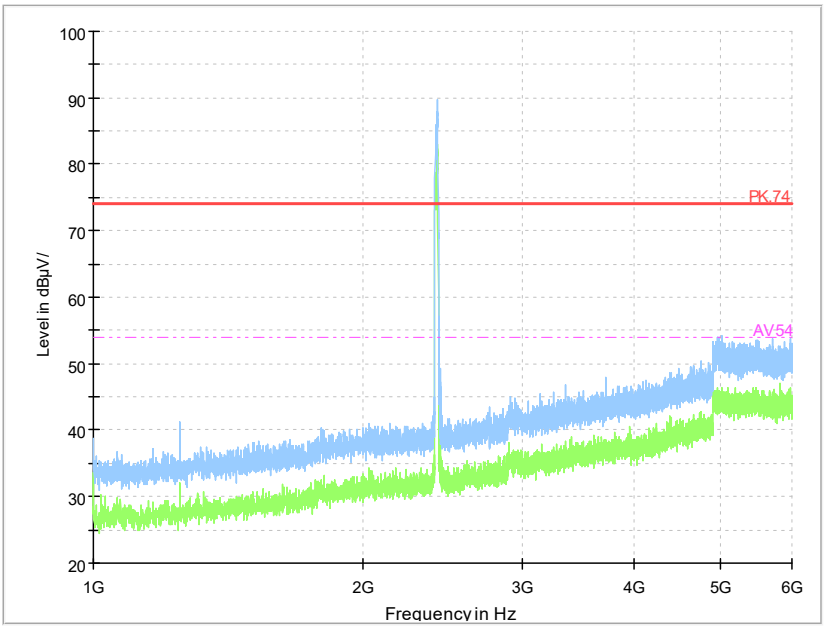
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



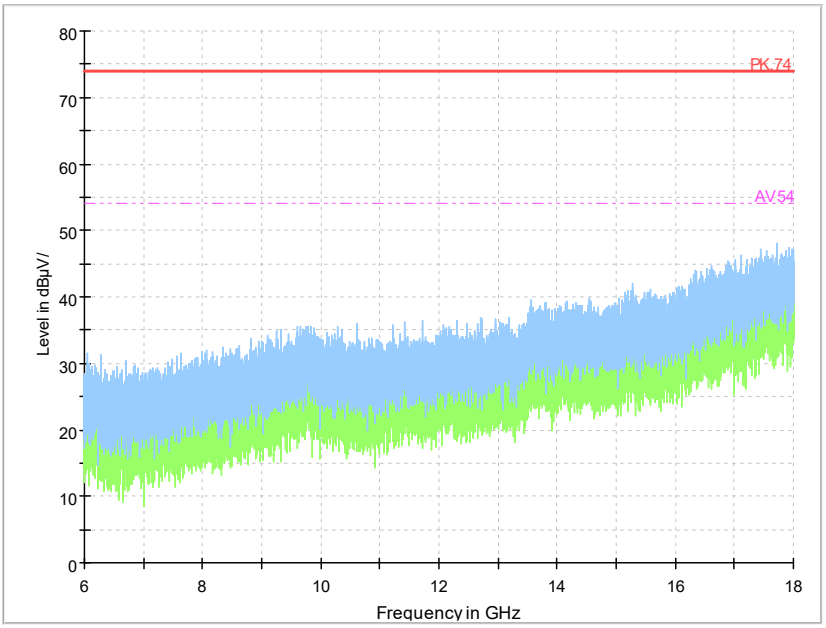
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



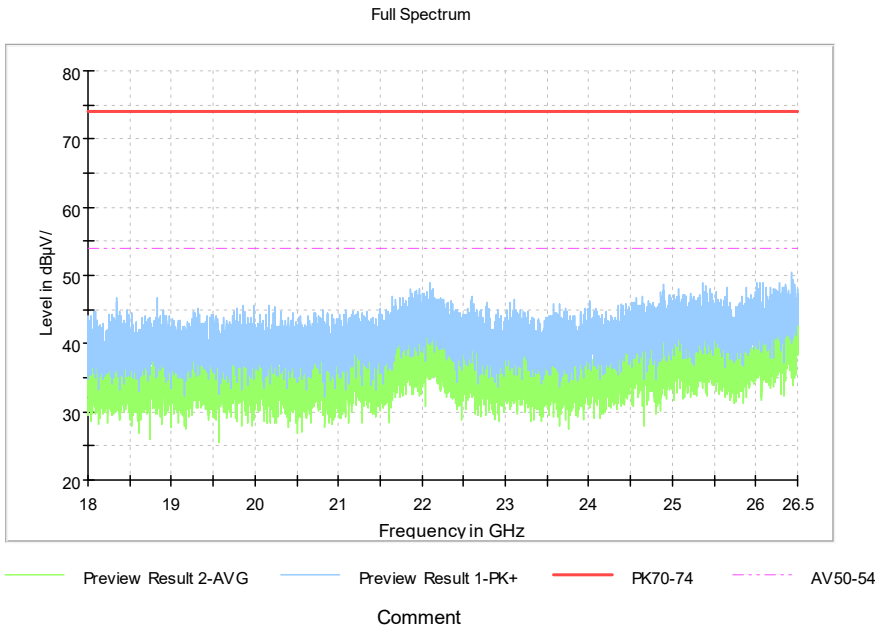
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

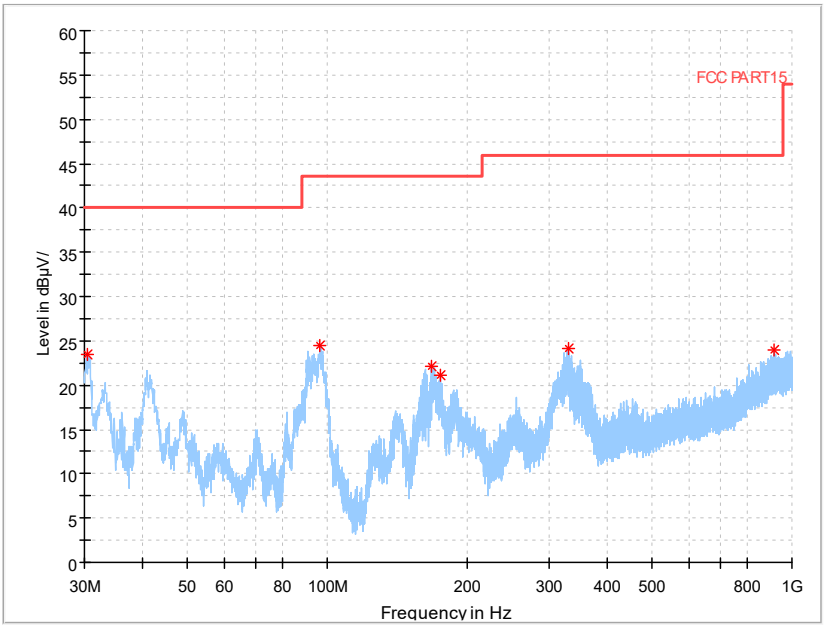


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

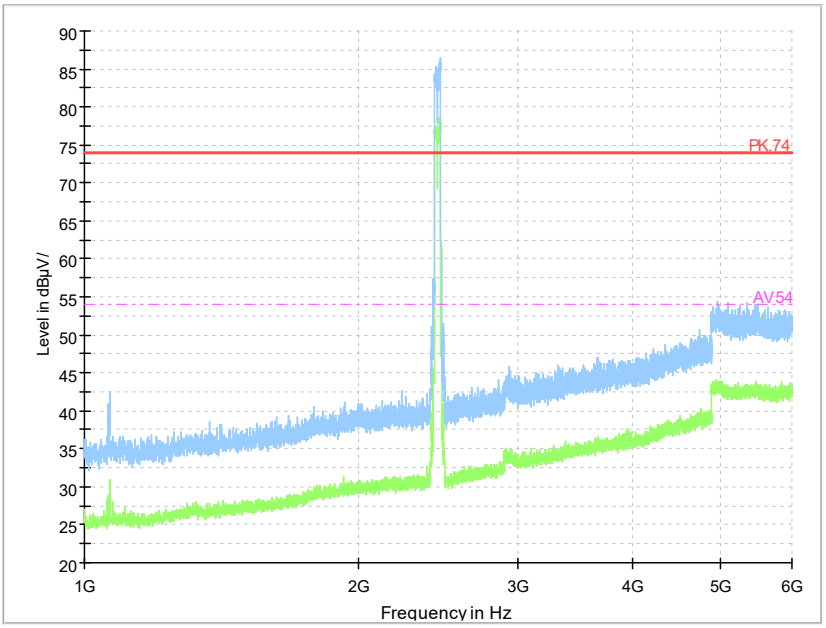


Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

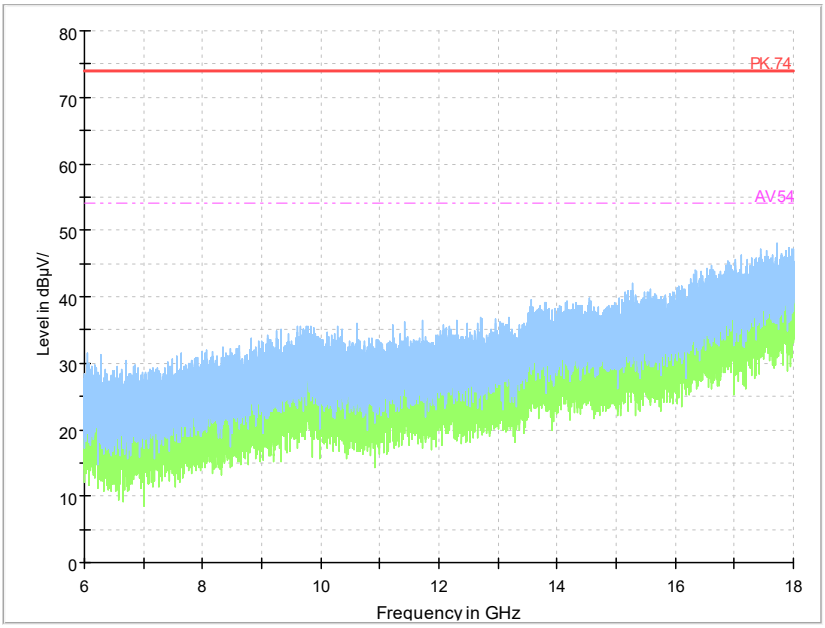
Carrier frequency (MHz): 2422
Channel No.:3



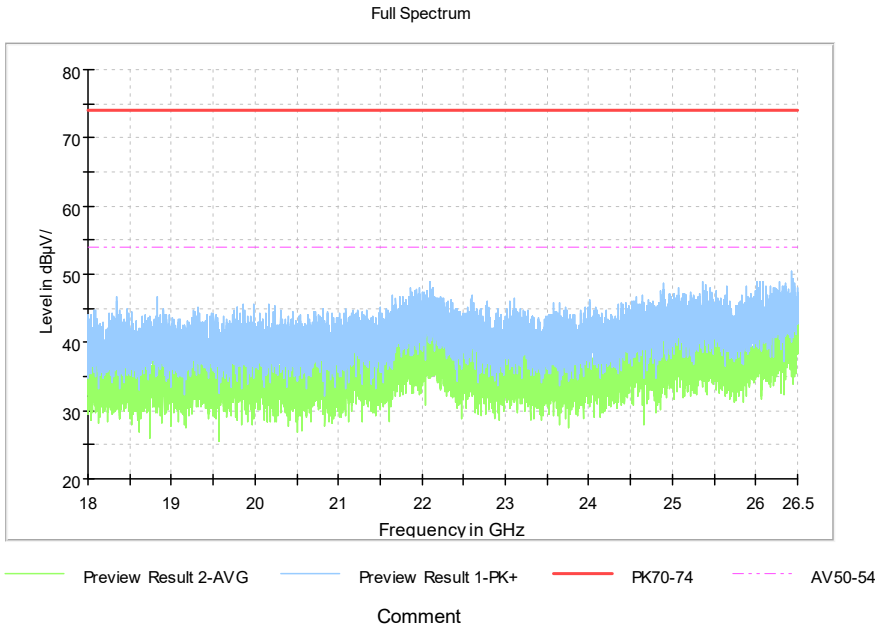
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

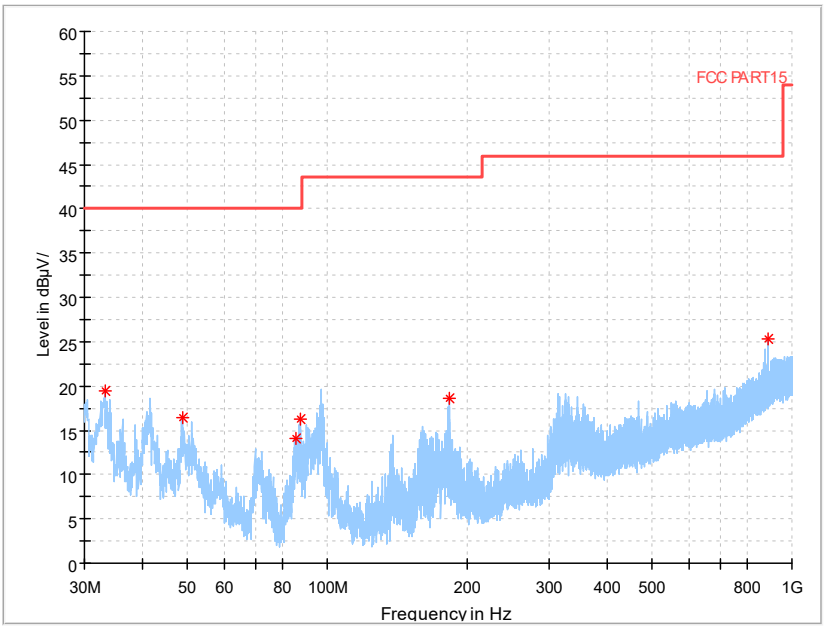


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

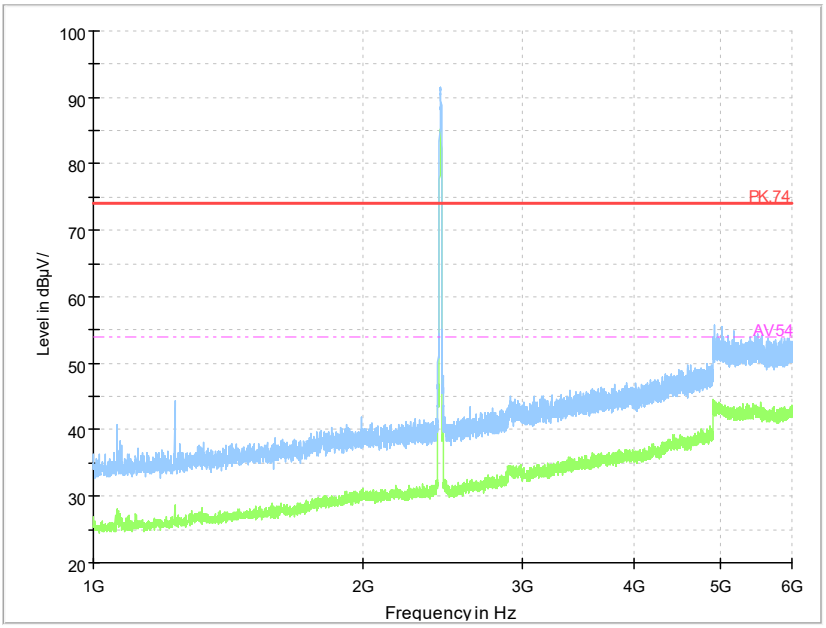


Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

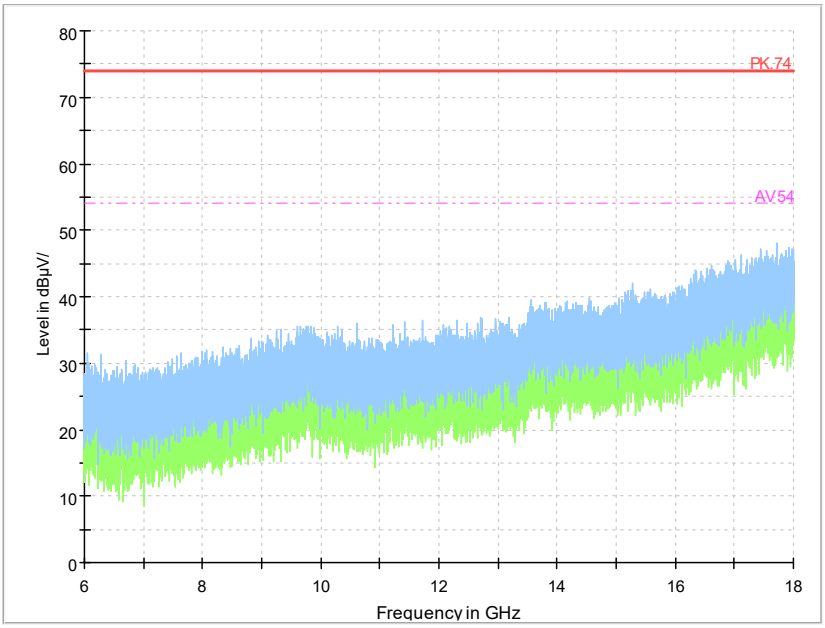
Carrier frequency (MHz): 2437
Channel No.:6



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

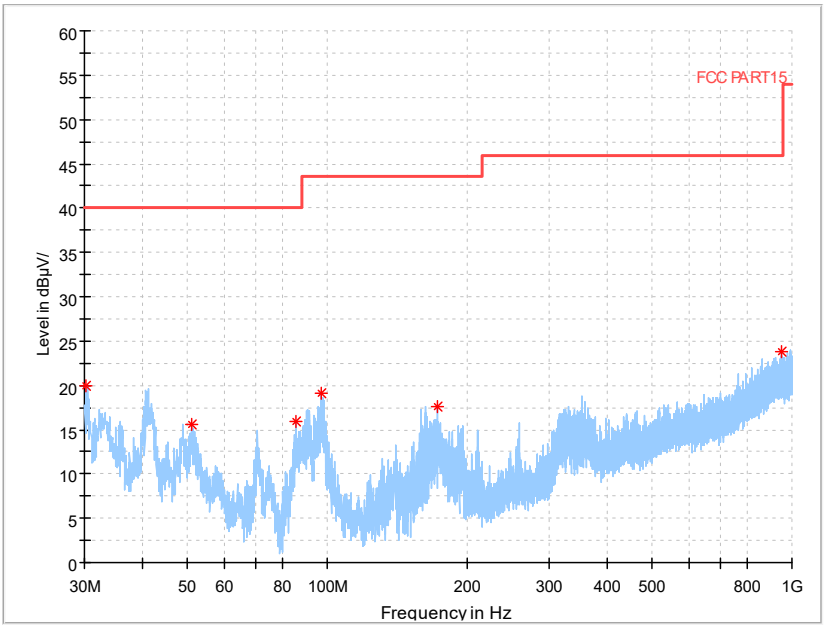


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

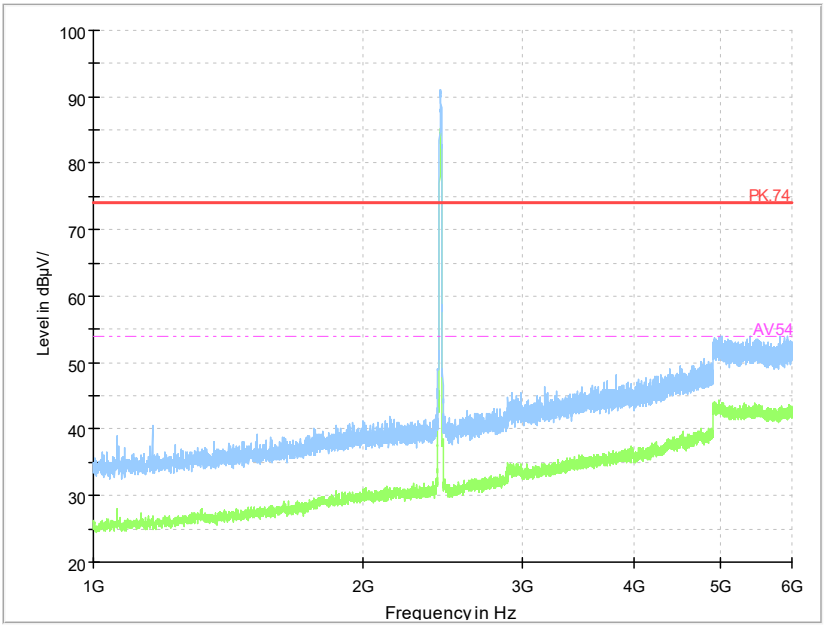


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

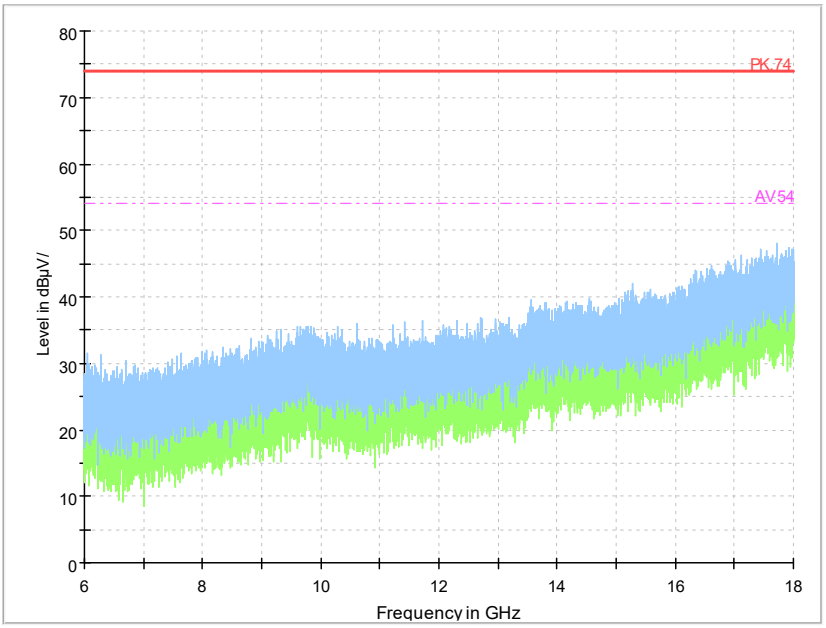
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



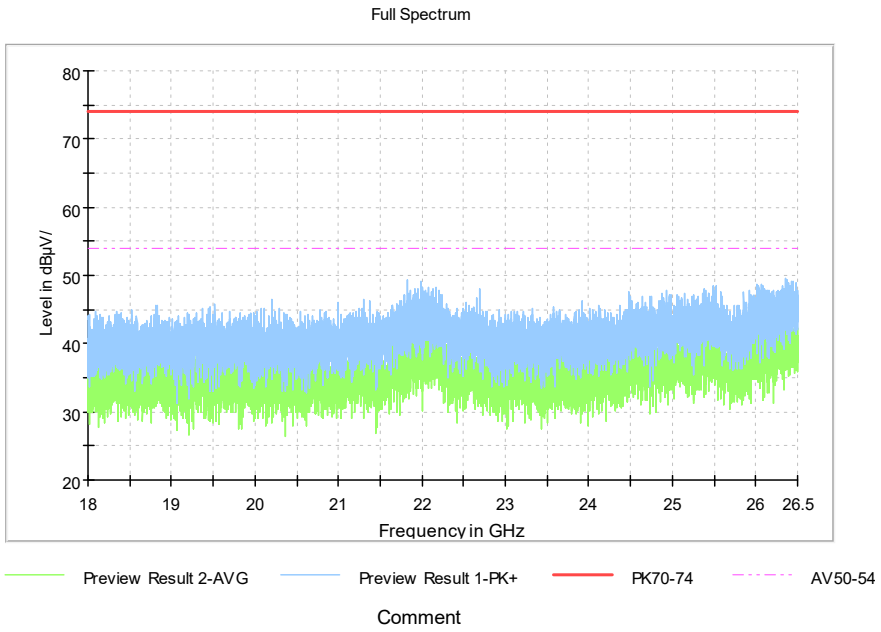
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



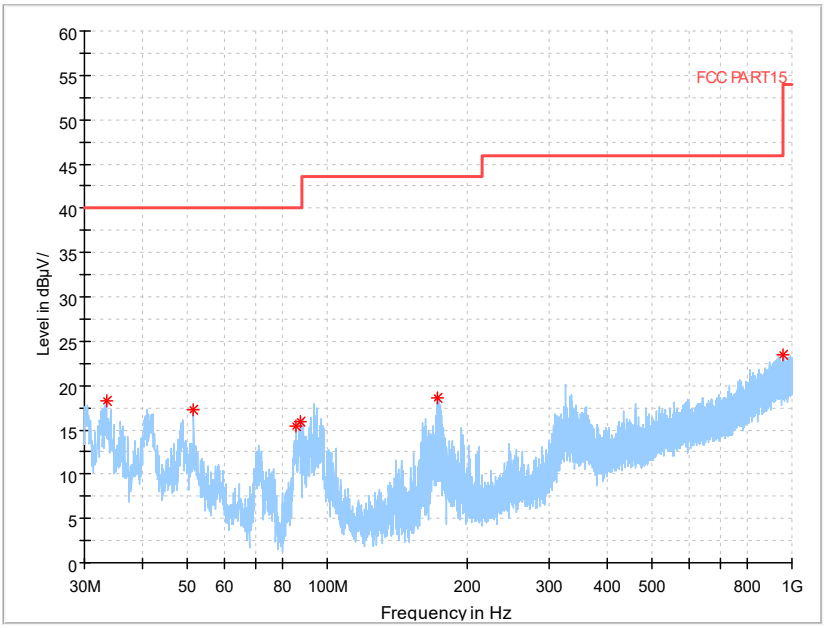
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



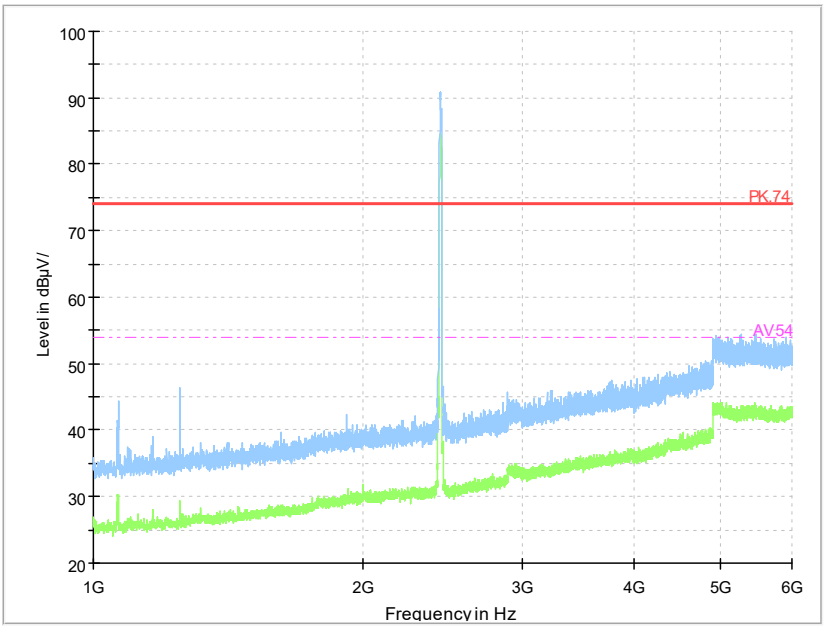
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



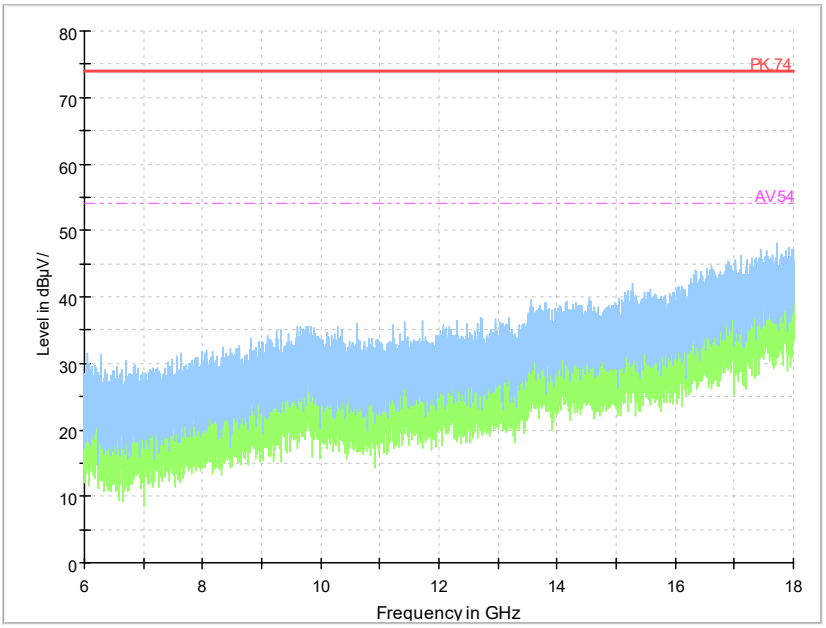
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



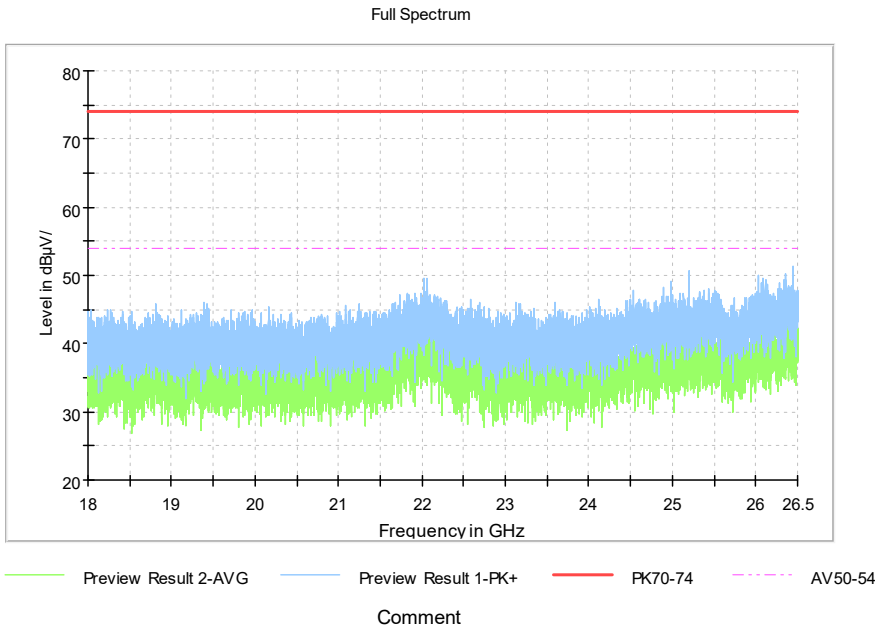
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



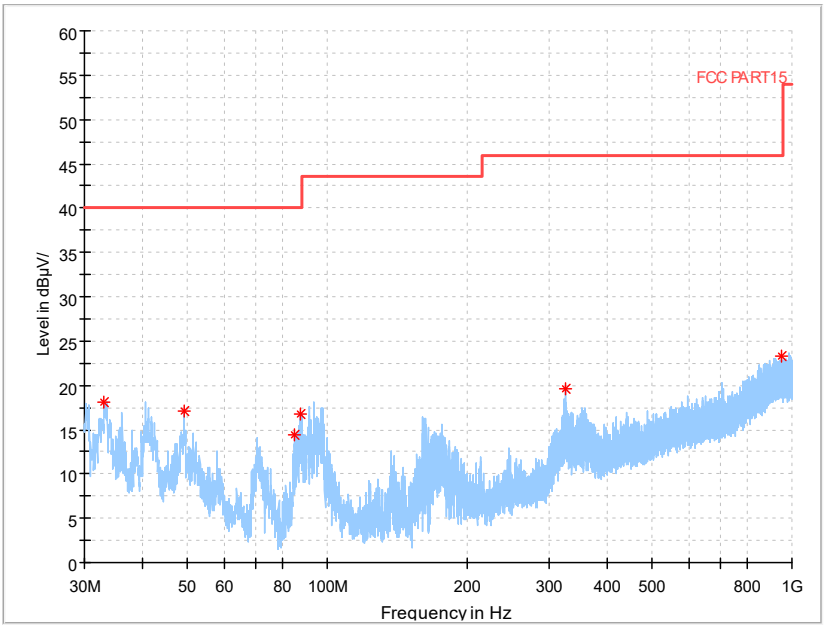
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



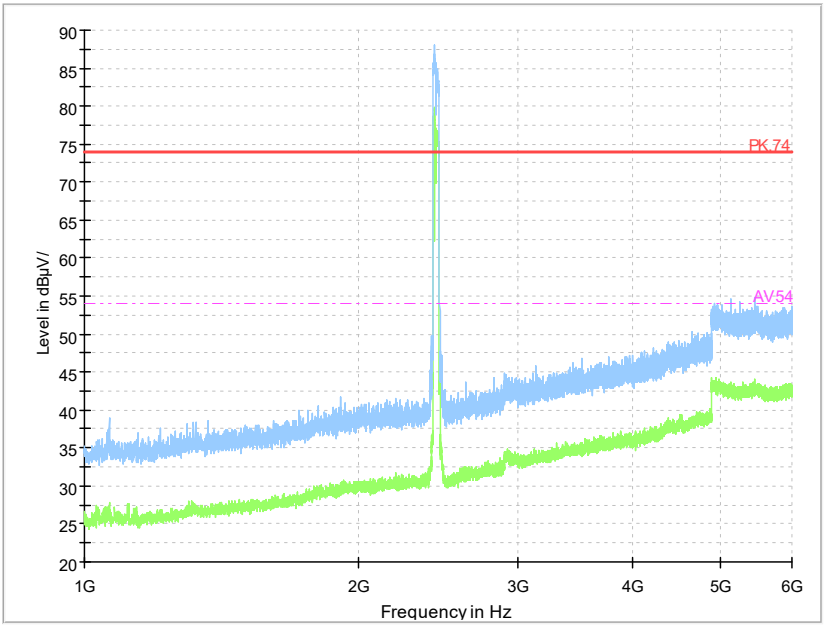
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



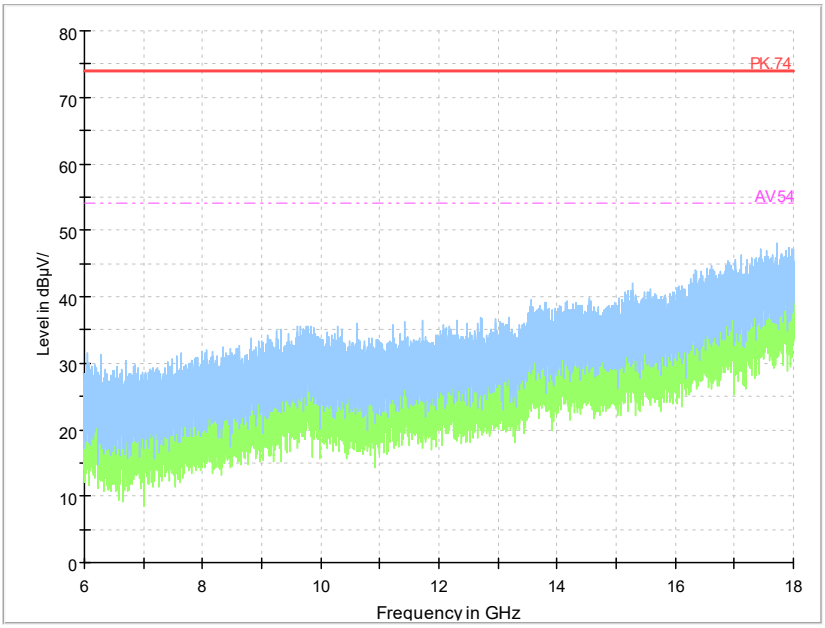
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



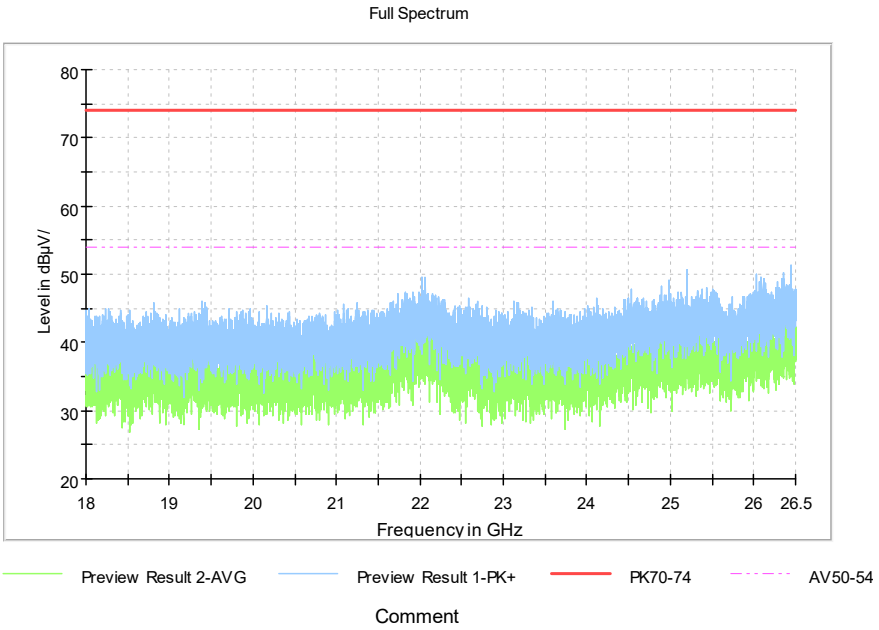
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

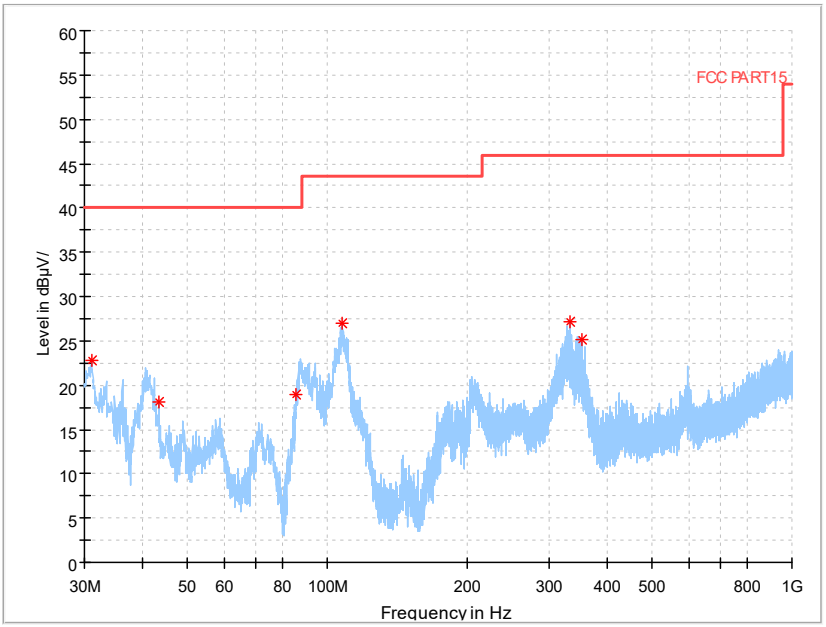


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

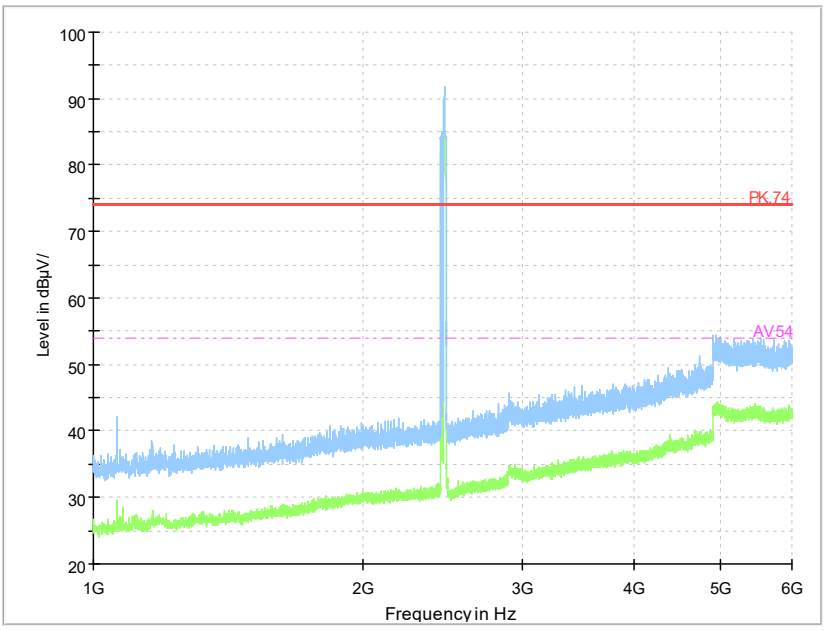


Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

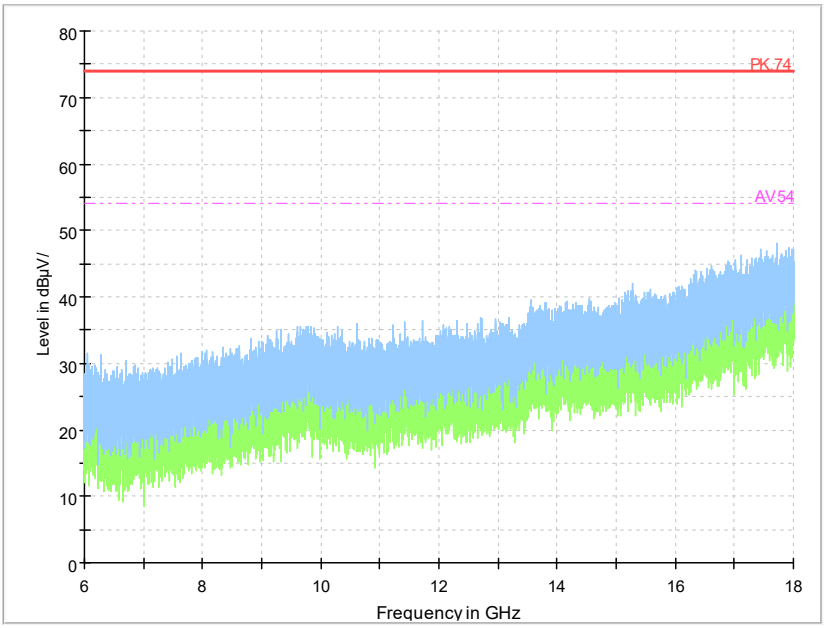
Carrier frequency (MHz): 2462
Channel No.:11



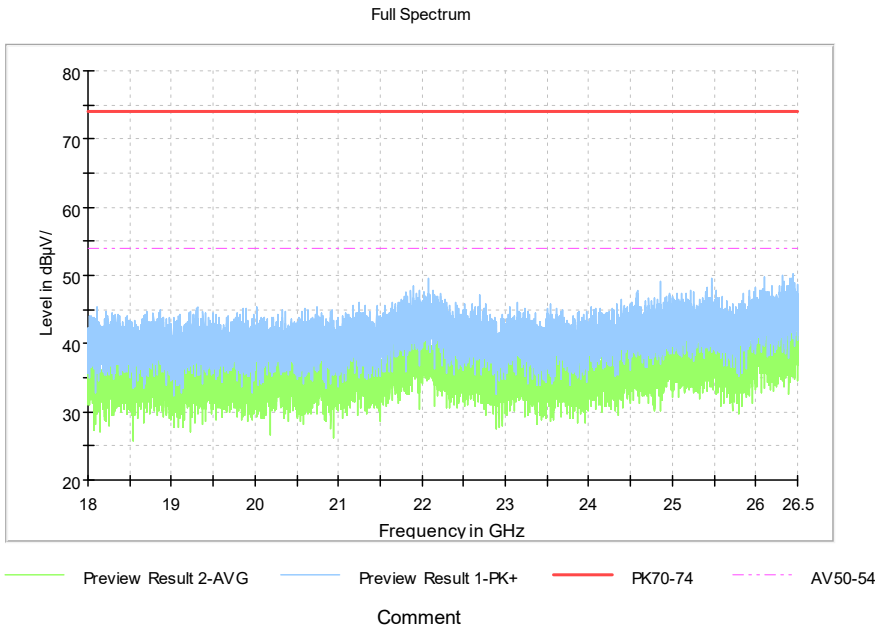
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



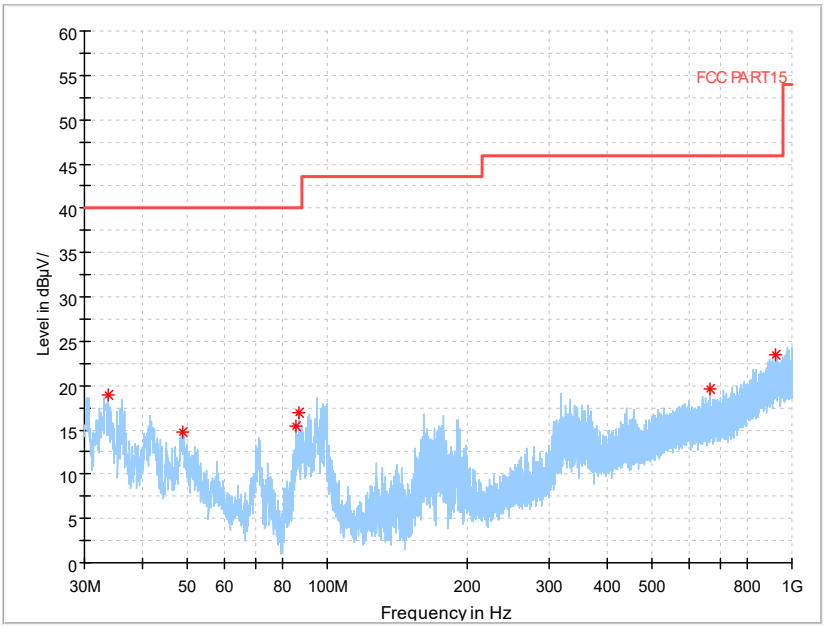
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



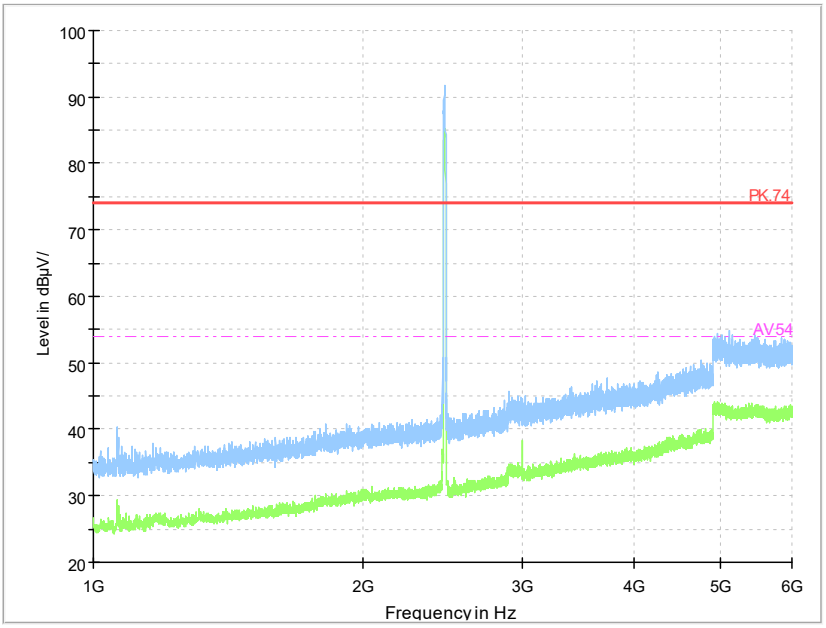
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



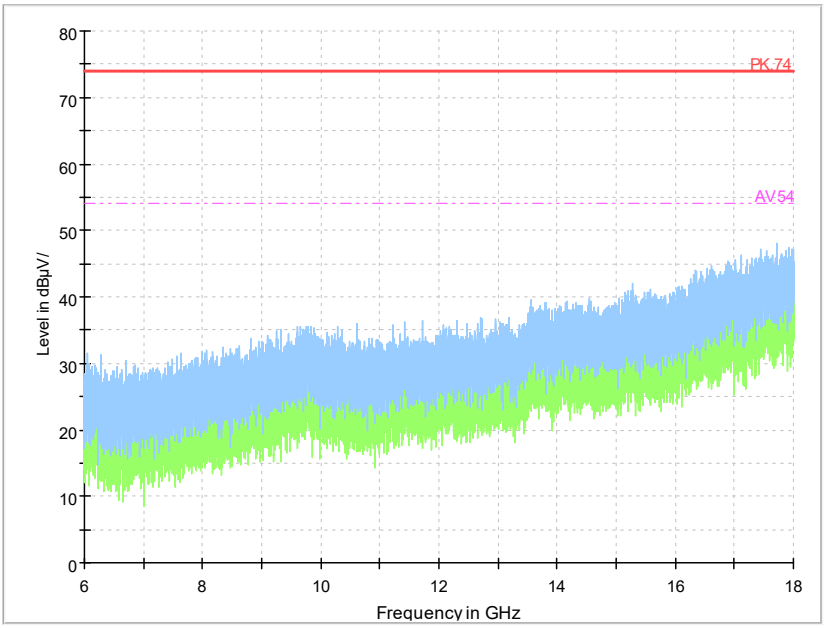
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



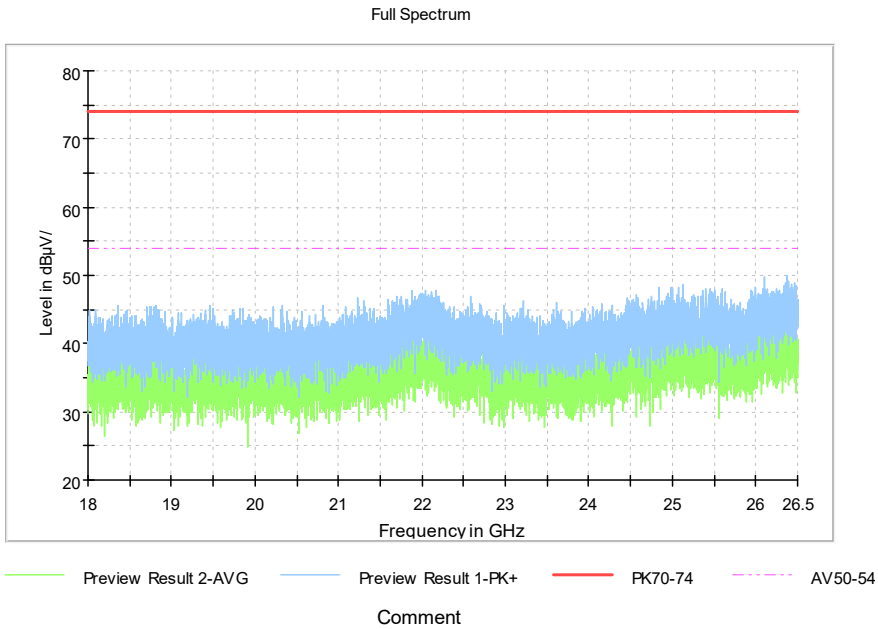
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



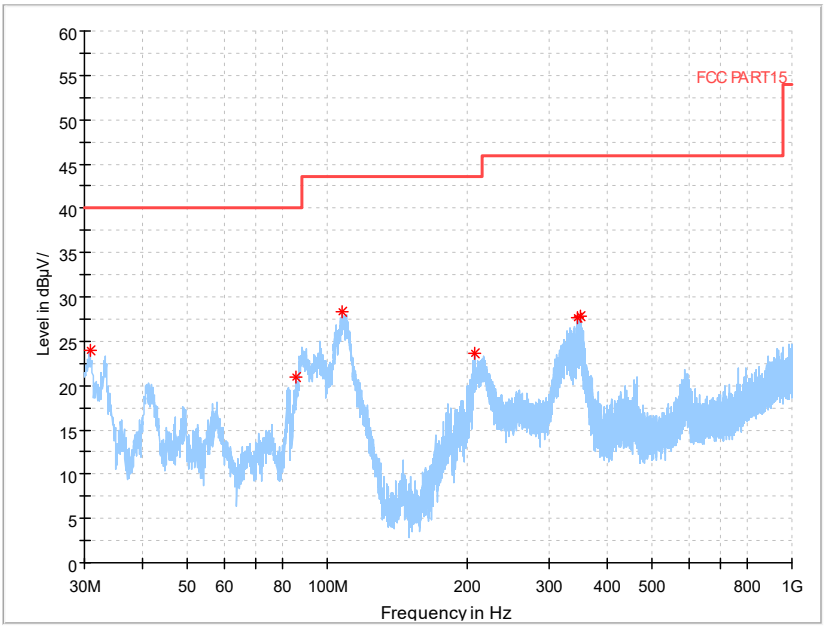
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



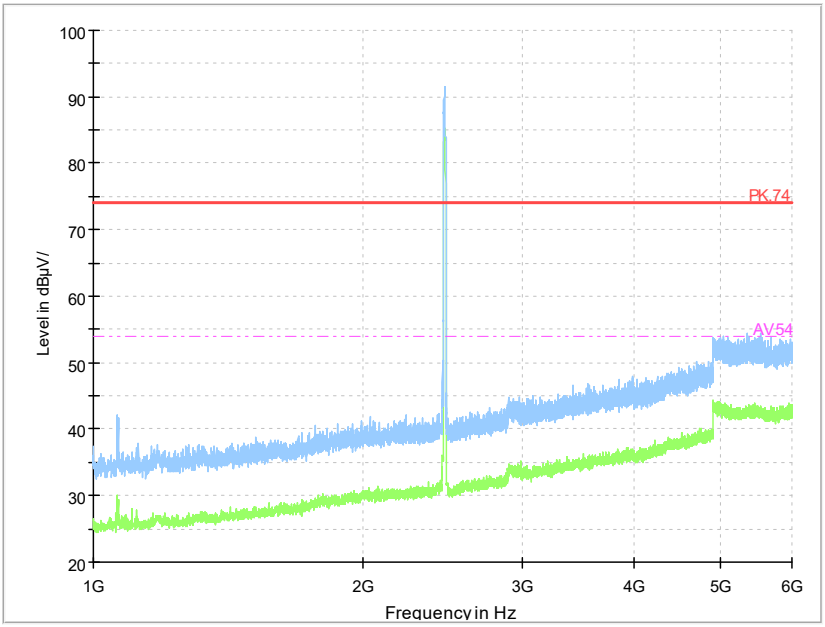
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



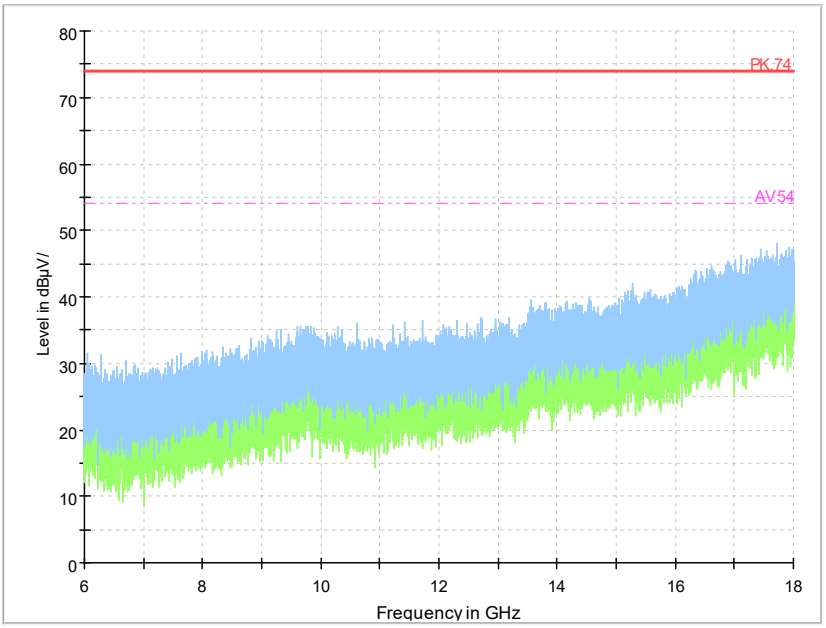
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



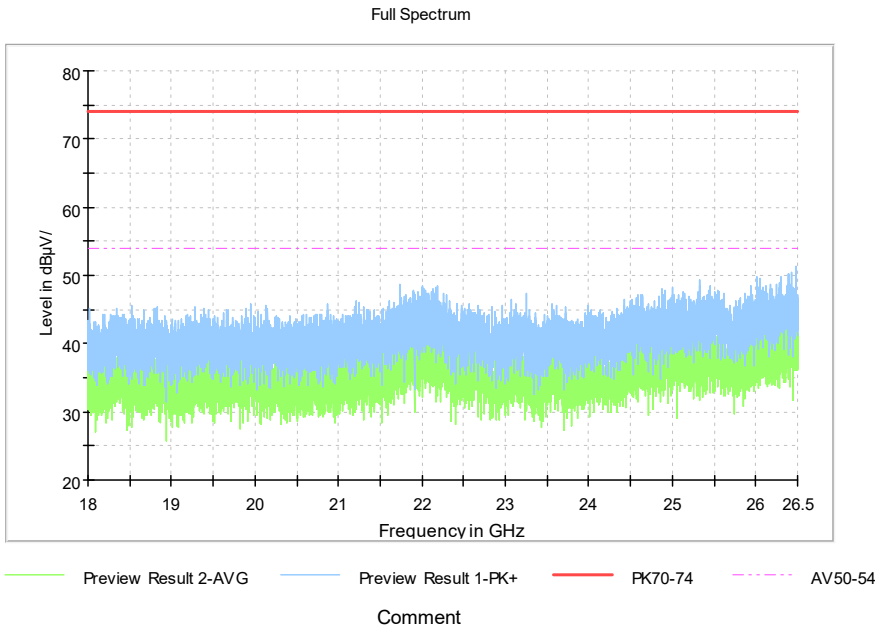
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

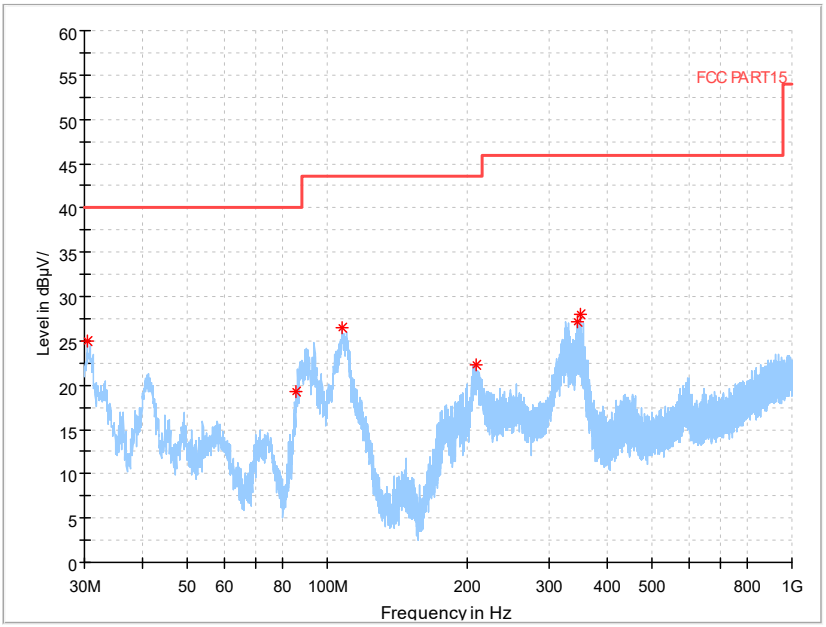


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

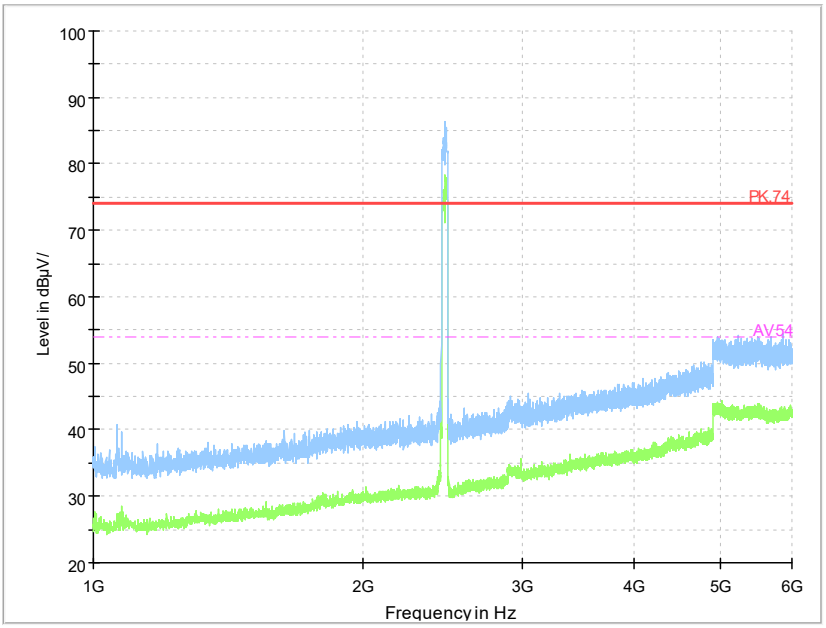


Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

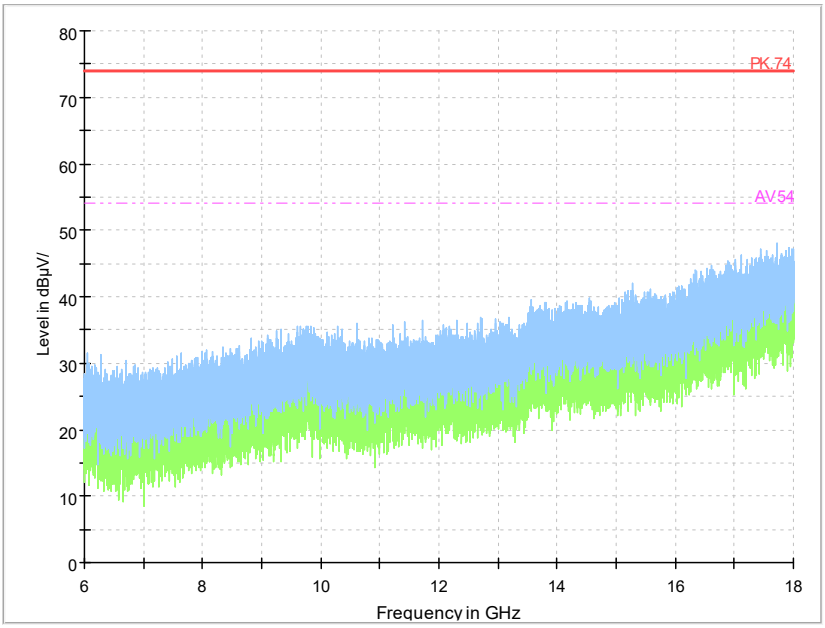
Carrier frequency (MHz): 2452
Channel No.:9



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



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



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

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

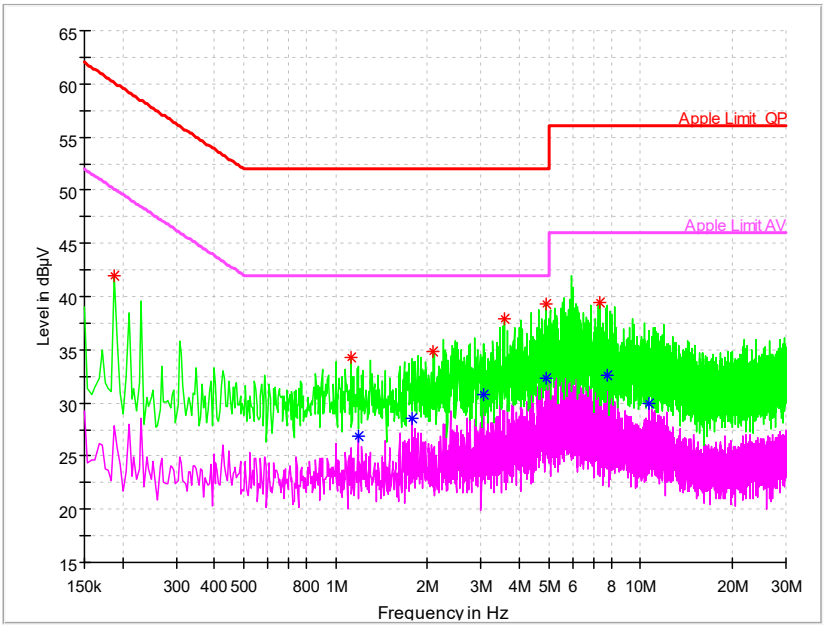
AC Power line Conducted Emission

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: (27.80 dBμV) = (-1.9dBμV) + (29.7 dB), the corresponding frequency is 0.380271MHz.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P_{mea} Quasi Peak (dBμV)	P_{mea} Average (dBμV)
0.188379	41.91	---	60.11	18.19	L1	29.7	12.21	---
1.122257	34.29	---	52.00	17.71	L1	29.7	4.59	---
1.181957	---	26.84	42.00	15.16	L1	29.7	---	-2.86
1.778957	---	28.49	42.00	13.51	L1	29.7	---	-1.21
2.094514	34.90	---	52.00	17.10	L1	29.8	5.1	---
3.049714	---	30.80	42.00	11.20	L1	29.8	---	1
3.565693	37.85	---	52.00	14.15	L1	29.8	8.05	---
4.879093	39.34	---	52.00	12.66	L1	29.8	9.54	---
4.883357	---	32.37	42.00	9.63	L1	29.8	---	2.57
7.343850	39.39	---	56.00	16.61	L1	29.9	9.49	---
7.787336	---	32.61	46.00	13.39	L1	29.9	---	2.71
10.712636	---	29.93	46.00	16.07	N	29.9	---	0.03

---End of Test Report---