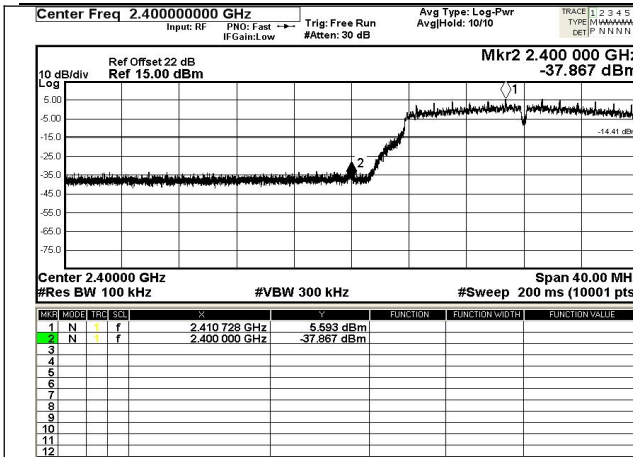
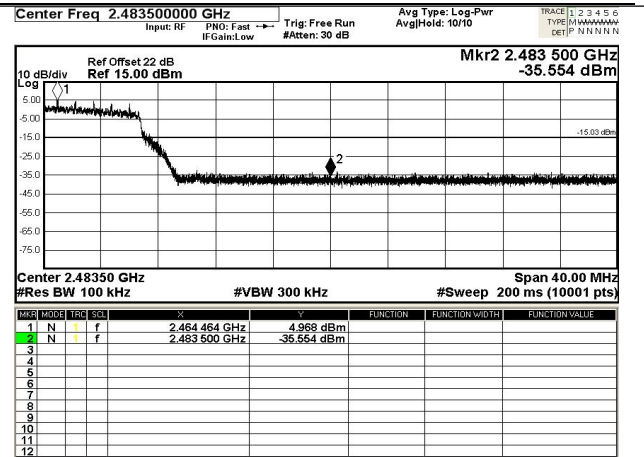


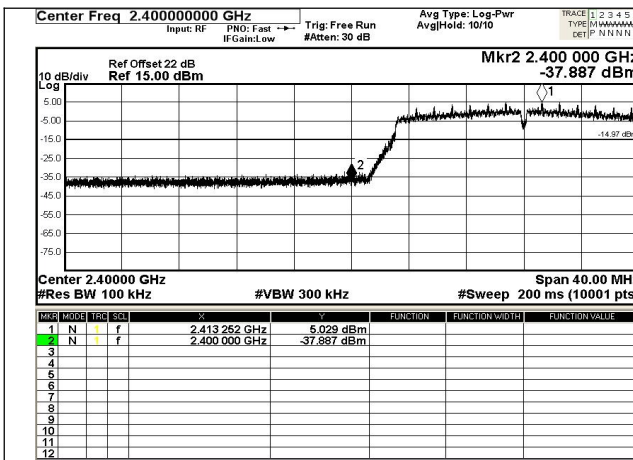


Mode:802.11g Frequency:2412MHz Ant:Chain1

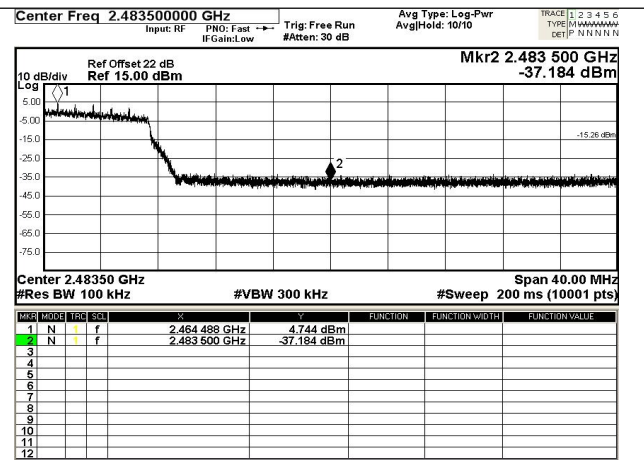


Mode:802.11g Frequency:2462MHz Ant:Chain1

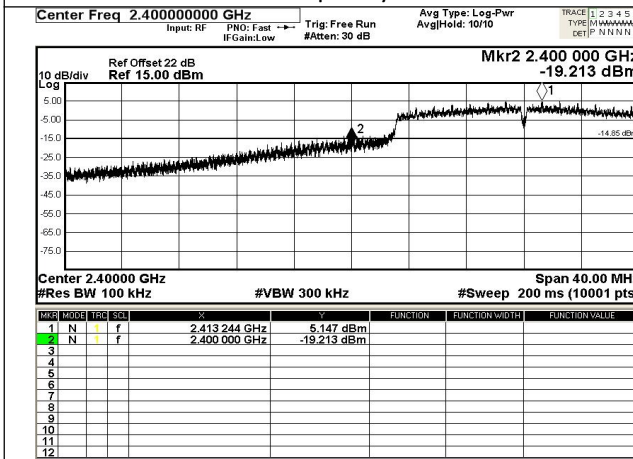
Test Mode: 802.11n HT20



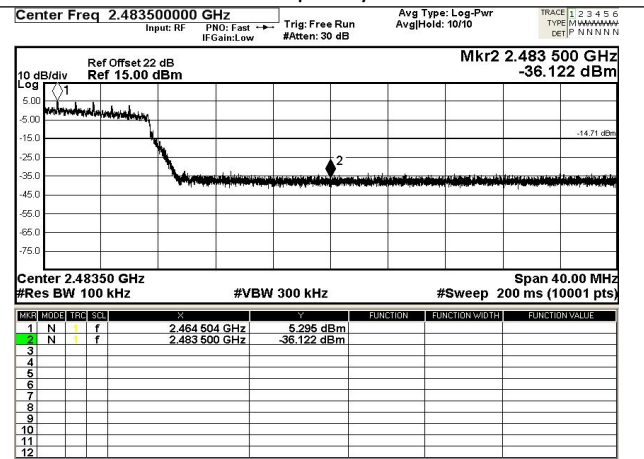
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

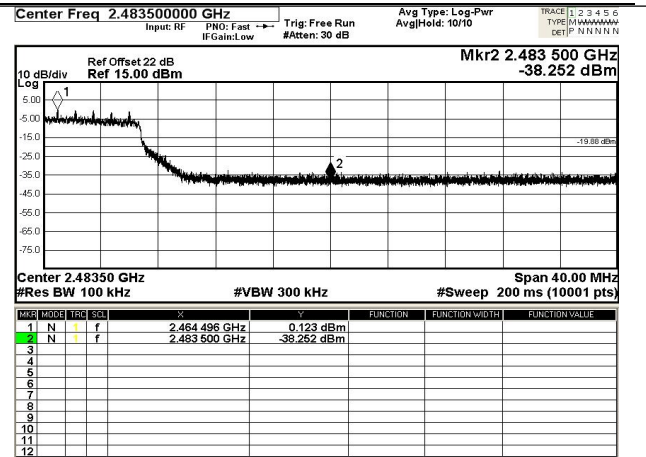
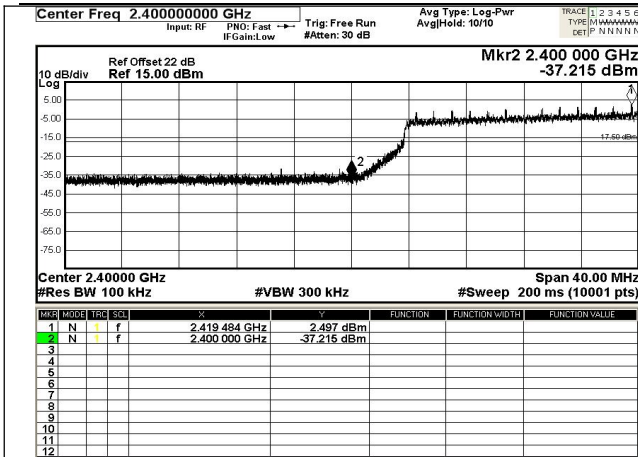


Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1



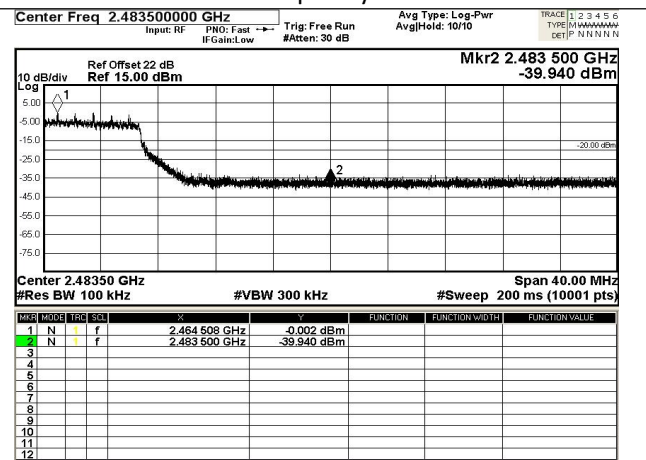
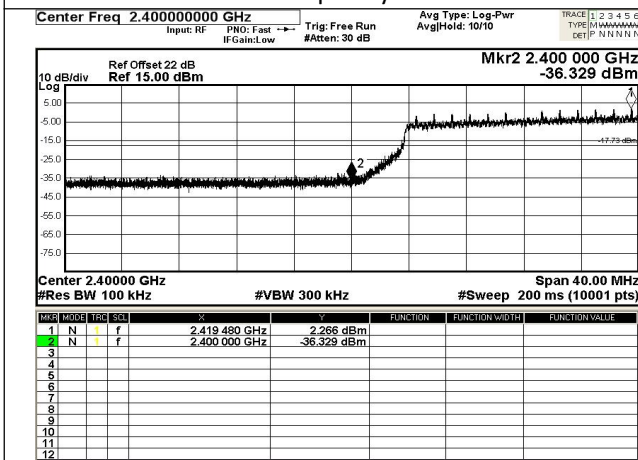
Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1

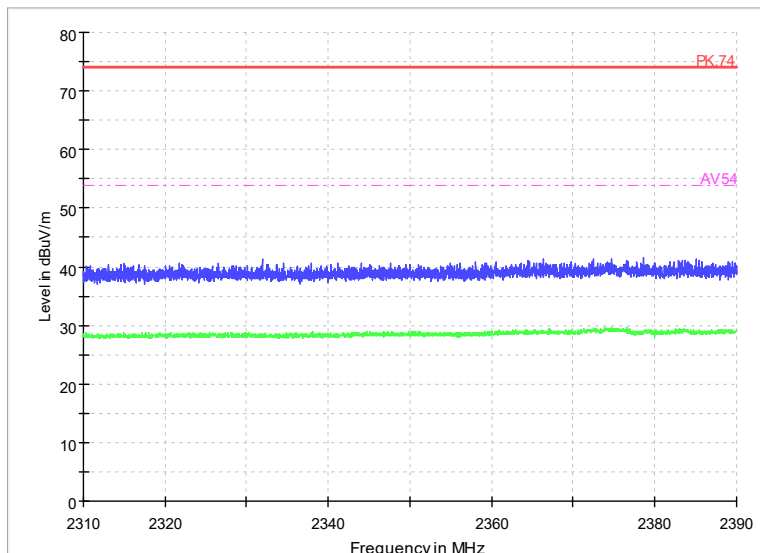
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

APPENDIX B – TEST DATA OF RADIATED EMISSION

Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

Radiated Emission Band Edge

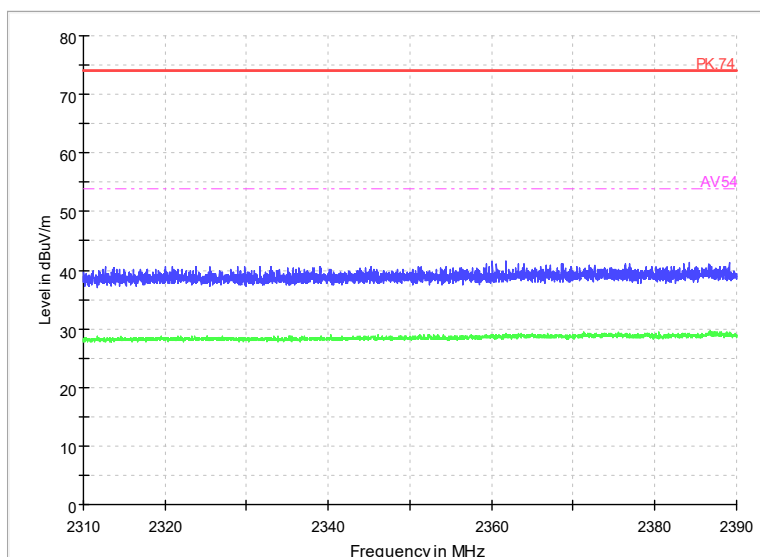


Radiated Emission Band Edge

Channel No.:1

Test Mode: 802.11b

Polarization: V

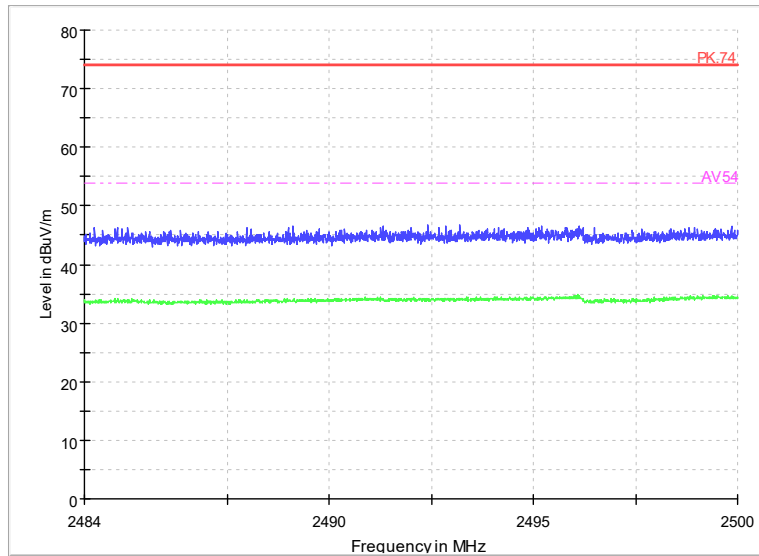


Radiated Emission Band Edge

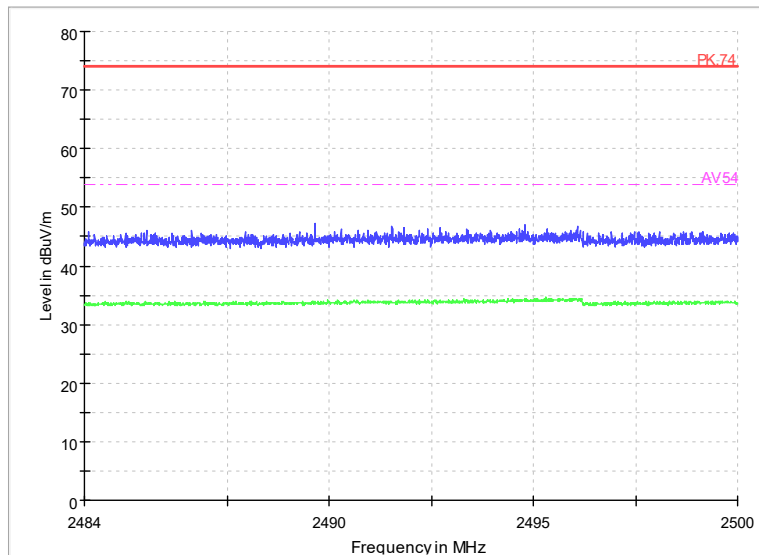
Channel No.:1

Test Mode: 802.11b

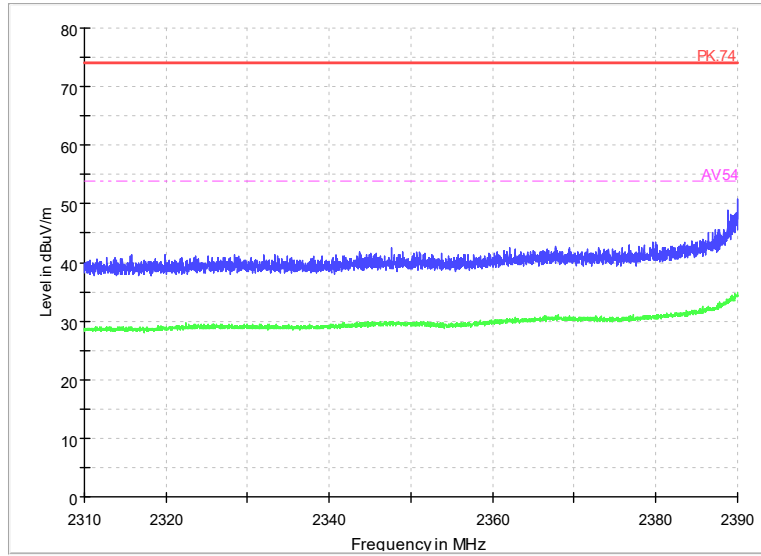
Polarization: H



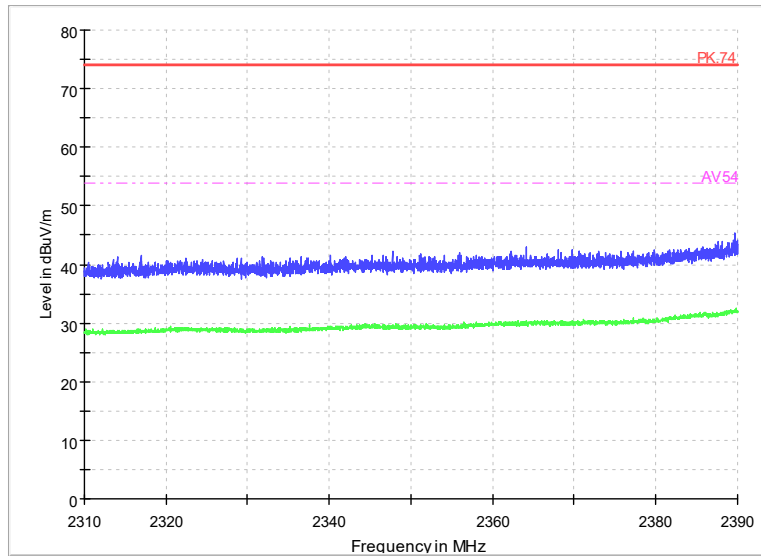
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization: V



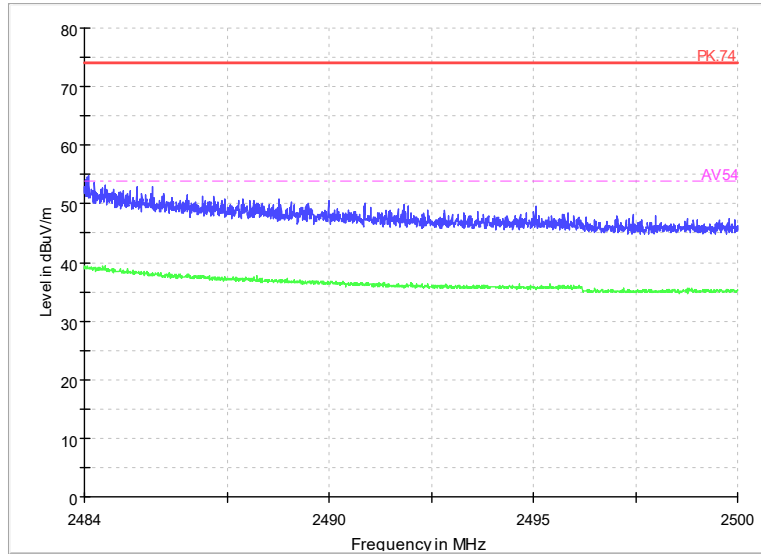
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization: H



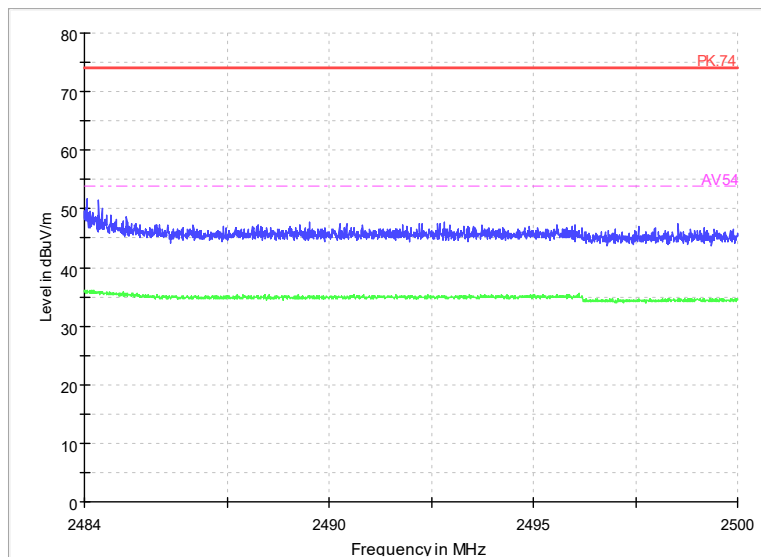
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization: V



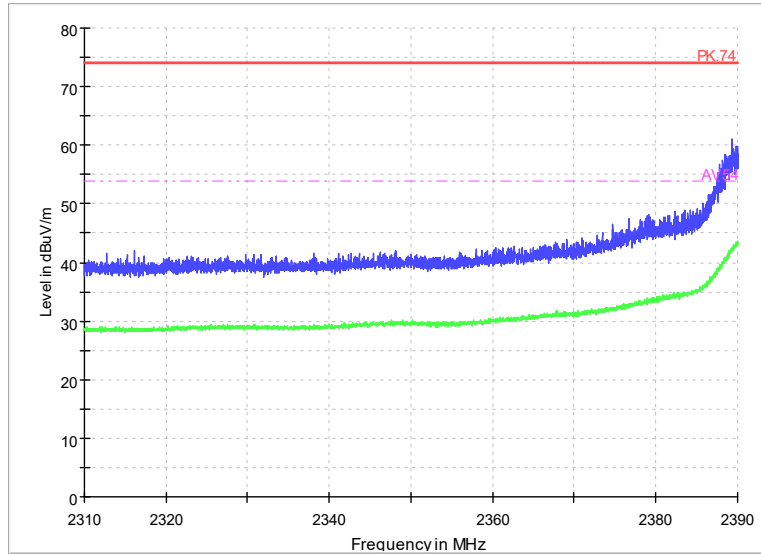
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization: H



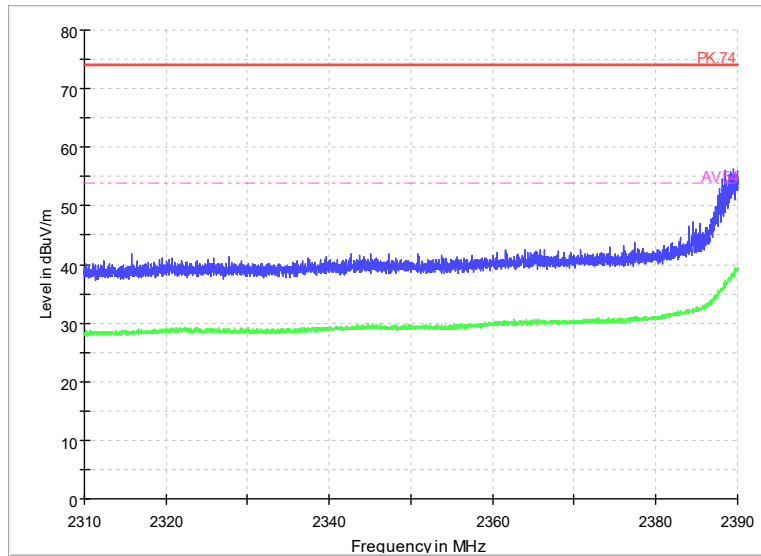
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization: V



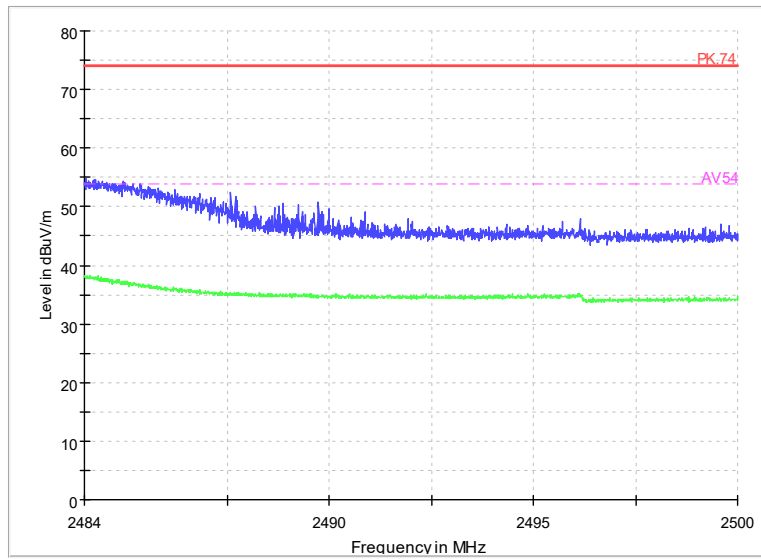
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization: H



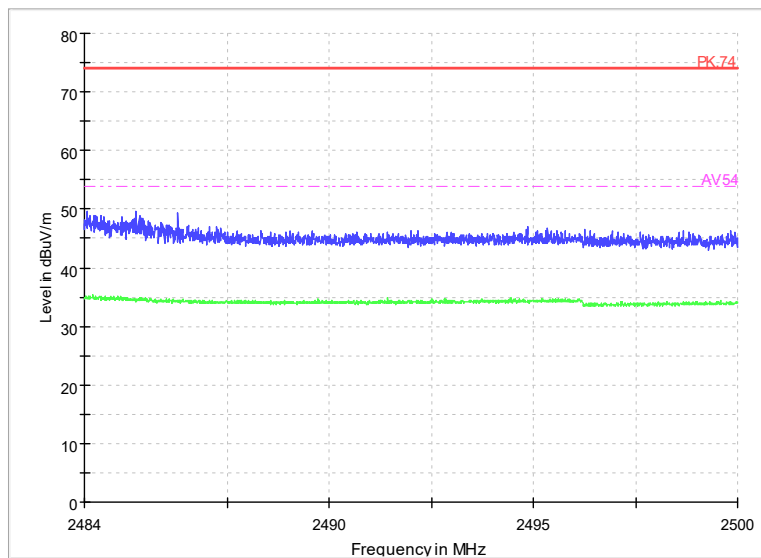
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n(HT20)
Polarization: V



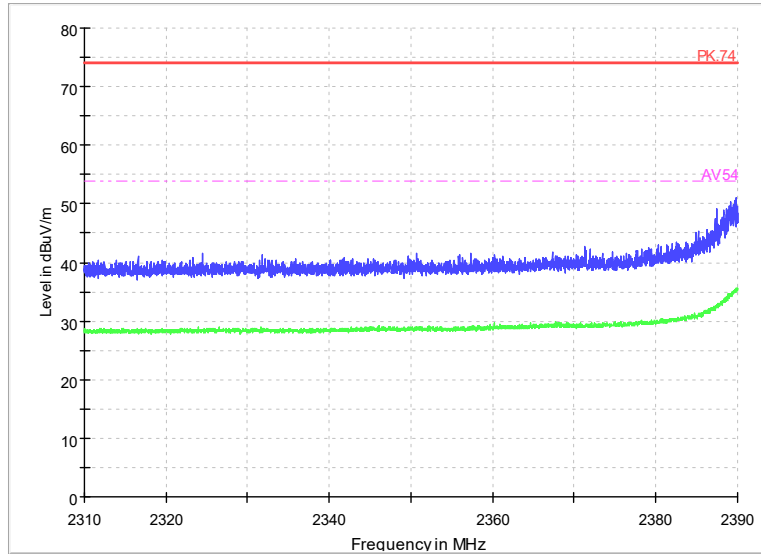
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n(HT20)
Polarization: H



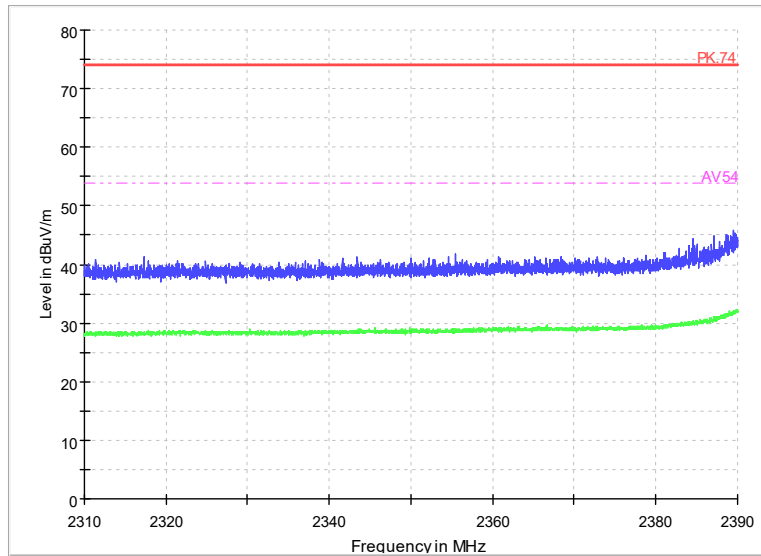
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n(HT20)
Polarization: V



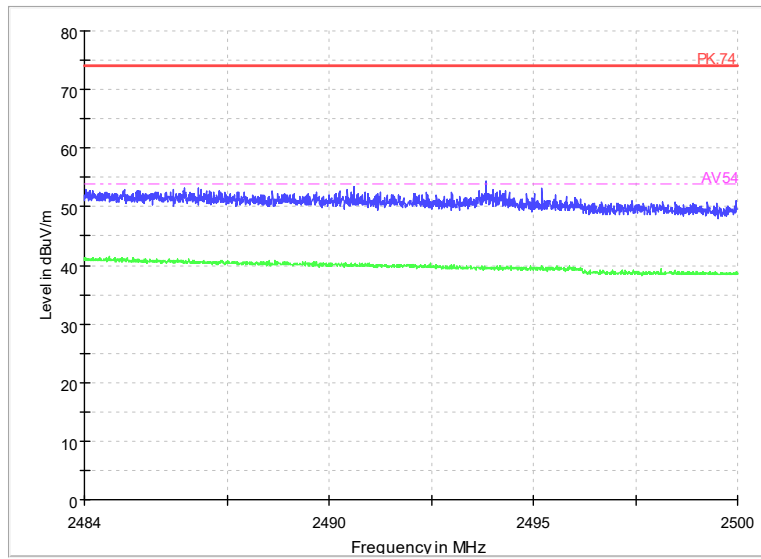
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n(HT20)
Polarization: H



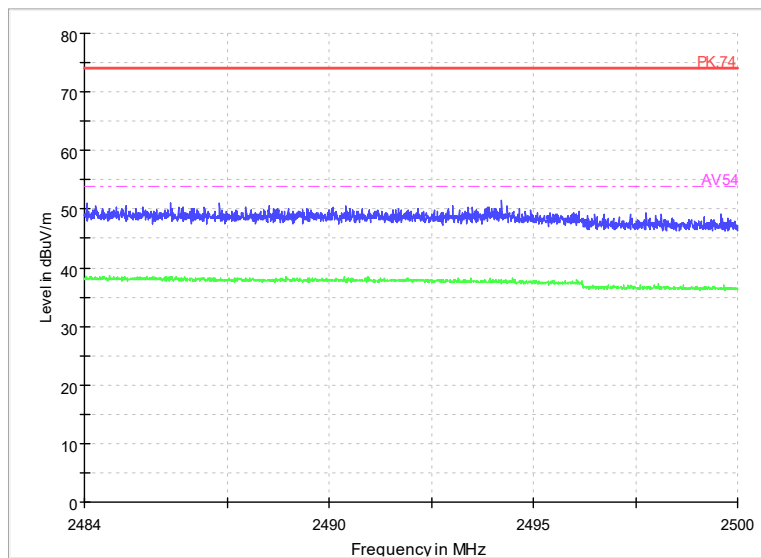
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n(HT40)
Polarization: V



Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n(HT40)
Polarization: H



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n(HT40)
Polarization: V



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n(HT40)
Polarization: H

Sample Calculations

After comparison, the worst case attitude is EUT lay down.
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: $(30.58 \text{ dB}\mu\text{V/m}) = (50.88 \text{ dB}\mu\text{V}) + (-20.3 \text{ dB/m})$, the corresponding frequency is 32.231MHz.

For 802.11b、802.11g is ANT0 、For 802.11n(HT20/HT40) is ANT MIMO

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.231	30.58	-20.3	50.88	Vertical	40	9.42
84.126	24.75	-20.9	45.65	Vertical	40	15.25
120.0645	16.31	-20	36.31	Vertical	43.5	27.19
227.007	17.16	-18.4	35.56	Vertical	46	28.84
498.51	14.87	-11	25.87	Vertical	46	31.13
909.7415	17.57	-3.6	21.17	Vertical	46	28.43

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
31.746	29.58	-20.4	49.98	Vertical	40	10.42
84.126	24.75	-20.9	45.65	Vertical	40	15.25
120.016	15.99	-20	35.99	Vertical	43.5	27.51
228.268	18.52	-18.4	36.92	Vertical	46	27.48
500.0135	12.56	-11	23.56	Vertical	46	33.45
953.149	17.92	-3.2	21.12	Vertical	46	28.08

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.4735	31.56	-20.3	51.86	Vertical	40	8.44
84.126	24.77	-20.9	45.67	Vertical	40	15.23
118.5125	15.31	-19.9	35.21	Vertical	43.5	28.19
229.82	18.49	-18.3	36.79	Vertical	46	27.51
331.9125	20.64	-15.3	35.94	Vertical	46	25.36
845.673	16.5	-4.5	21	Vertical	46	29.5

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.328	30.97	-20.3	51.27	Vertical	40	9.03

84.126	24.78	-20.9	45.68	Vertical	40	15.22
121.859	17.49	-20.2	37.69	Vertical	43.5	26.01
228.3165	18.6	-18.4	37	Vertical	46	27.4
436.3815	17.52	-12.4	29.92	Vertical	46	28.48
956.253	17.82	-3.2	21.02	Vertical	46	28.18

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.813	30.86	-20.2	51.06	Vertical	40	9.14
84.126	24.79	-20.9	45.69	Vertical	40	15.21
121.762	17.62	-20.2	37.82	Vertical	43.5	25.88
229.9655	18.59	-18.3	36.89	Vertical	46	27.41
331.864	12.45	-15.3	27.75	Vertical	46	33.55
934.1855	17.95	-3.3	21.25	Vertical	46	28.05

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.2795	30.5	-20.3	50.8	Vertical	40	9.5
84.126	24.78	-20.9	45.68	Vertical	40	15.22
118.464	15.14	-19.9	35.04	Vertical	43.5	28.36
231.275	17.87	-18.3	36.17	Vertical	46	28.13
537.9405	13.82	-10.1	23.92	Vertical	46	32.18
952.955	17.9	-3.2	21.1	Vertical	46	28.1

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.619	31.88	-20.3	52.18	Vertical	40	8.12
84.126	24.69	-20.9	45.59	Vertical	40	15.31
154.839	12.51	-21.9	34.41	Vertical	43.5	30.99
300.0965	12.3	-16.2	28.5	Vertical	46	33.7
332.3975	19.96	-15.2	35.16	Vertical	46	26.04
949.948	18	-3.2	21.2	Vertical	46	28

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
31.9885	31.16	-20.4	51.56	Vertical	40	8.84
84.126	24.67	-20.9	45.57	Vertical	40	15.33
163.0355	7.88	-21.5	29.38	Vertical	43.5	35.62
199.9925	15.45	-19.3	34.75	Vertical	43.5	28.05
332.834	19.85	-15.2	35.05	Vertical	46	26.15

933.264	17.98	-3.3	21.28	Vertical	46	28.02
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For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.3765	31.87	-20.3	52.17	Vertical	40	8.13
84.126	24.7	-20.9	45.6	Vertical	40	15.3
156.8275	10.83	-21.8	32.63	Vertical	43.5	32.67
194.9	13.13	-19.6	32.73	Vertical	43.5	30.37
499.189	15.28	-11	26.28	Vertical	46	30.72
899.799	17.59	-3.7	21.29	Vertical	46	28.41

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.425	32.07	-20.3	52.37	Vertical	40	7.93
84.126	24.69	-20.9	45.59	Vertical	40	15.31
156.2455	11.41	-21.8	33.21	Vertical	43.5	32.09
199.9925	15.4	-19.3	34.7	Vertical	43.5	28.1
332.5915	20.09	-15.2	35.29	Vertical	46	25.91
914.737	17.79	-3.5	21.29	Vertical	46	28.21

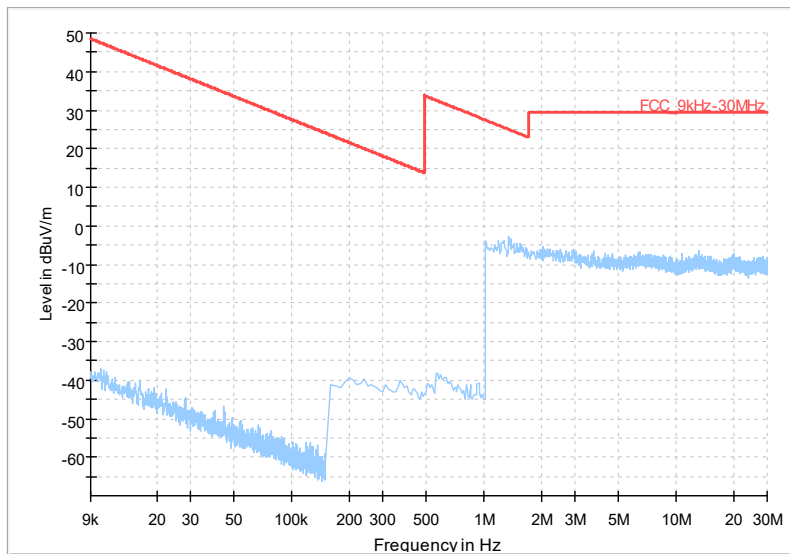
For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.1825	32.81	-20.3	53.11	Vertical	40	7.19
84.126	24.69	-20.9	45.59	Vertical	40	15.31
157.6035	10.15	-21.8	31.95	Vertical	43.5	33.35
195.094	12.62	-19.6	32.22	Vertical	43.5	30.88
332.7855	19.81	-15.2	35.01	Vertical	46	26.19
957.7565	17.92	-3.2	21.12	Vertical	46	28.08

For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.5705	31.33	-20.3	51.63	Vertical	40	8.67
84.126	24.66	-20.9	45.56	Vertical	40	15.34
99.161	9.33	-19.1	28.43	Vertical	43.5	34.17
199.9925	15.35	-19.3	34.65	Vertical	43.5	28.15
436.333	16.53	-12.4	28.93	Vertical	46	29.47
953.731	17.96	-3.2	21.16	Vertical	46	28.04

Full Spectrum



Frequency Range: 9kHz -30MHz

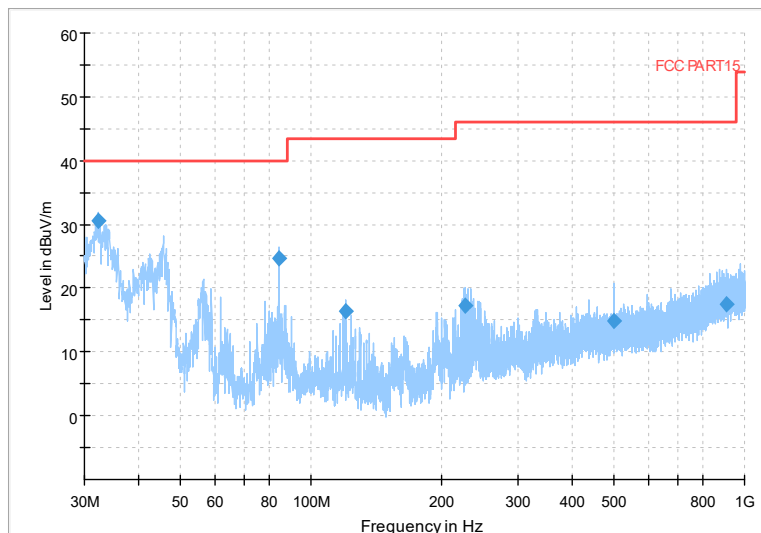
Detector: QP mode

Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Carrier frequency (MHz): 2412

Channel No.:1

Full Spectrum

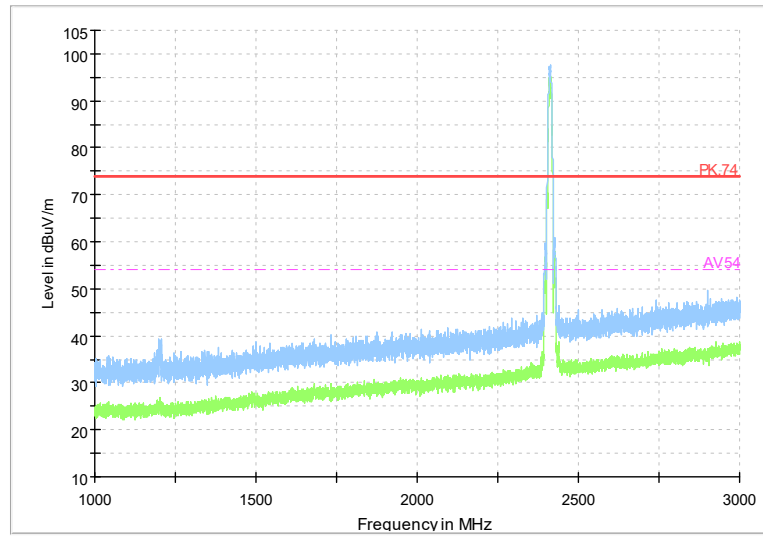


Frequency Range 30MHz -1GHz

Detector: QP mode

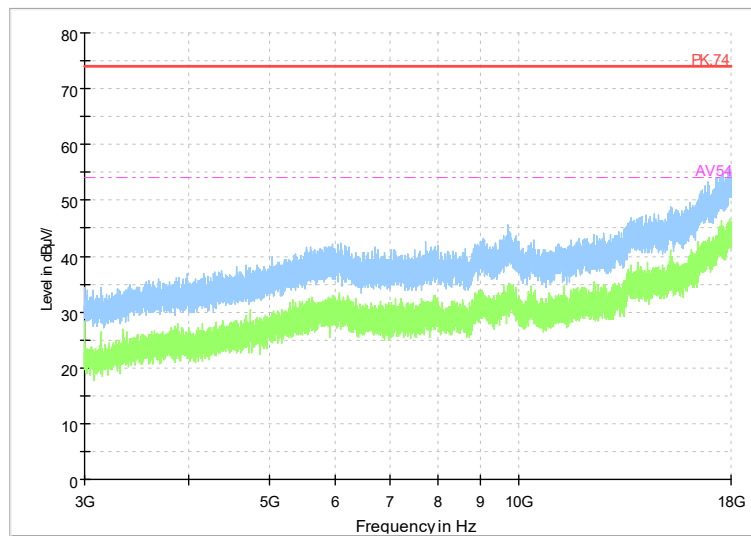
Modulation type: 802.11b

Full Spectrum



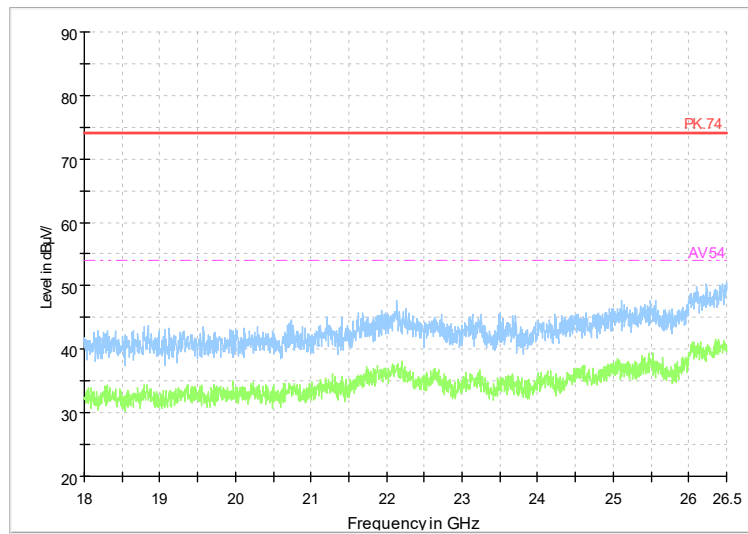
Frequency Range: 1GHz -3GHz
Detector:QP mode
Modulation type: 802.11b

Full Spectrum



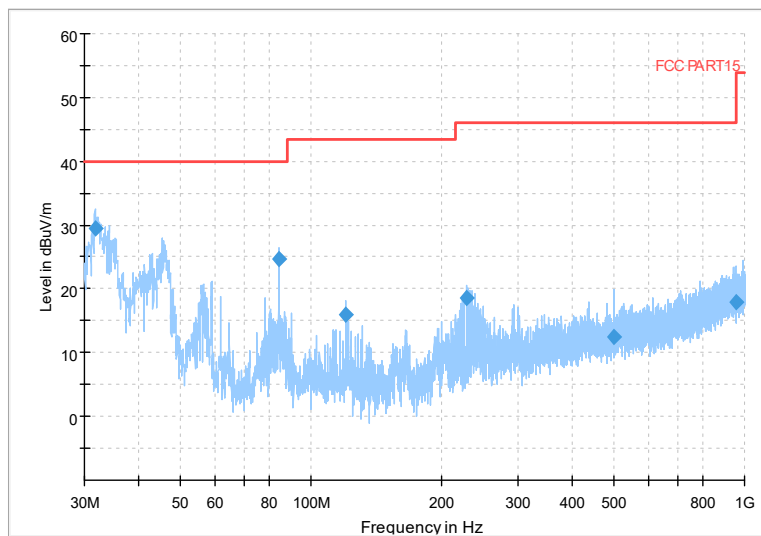
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



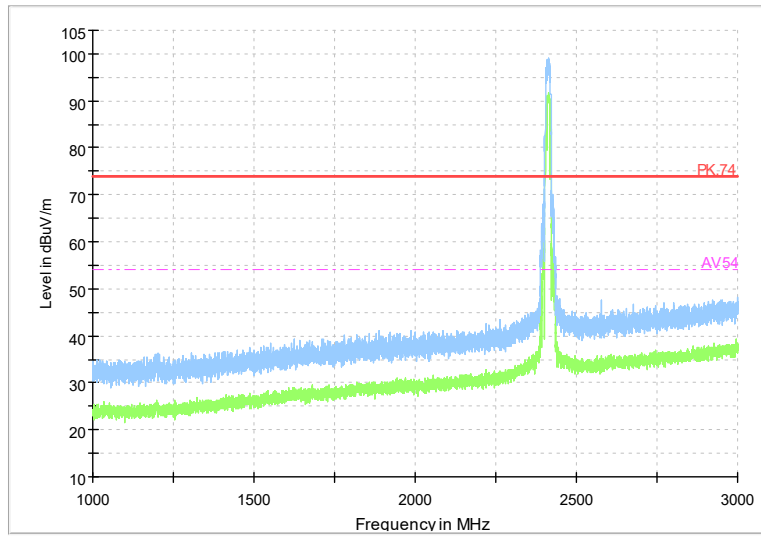
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



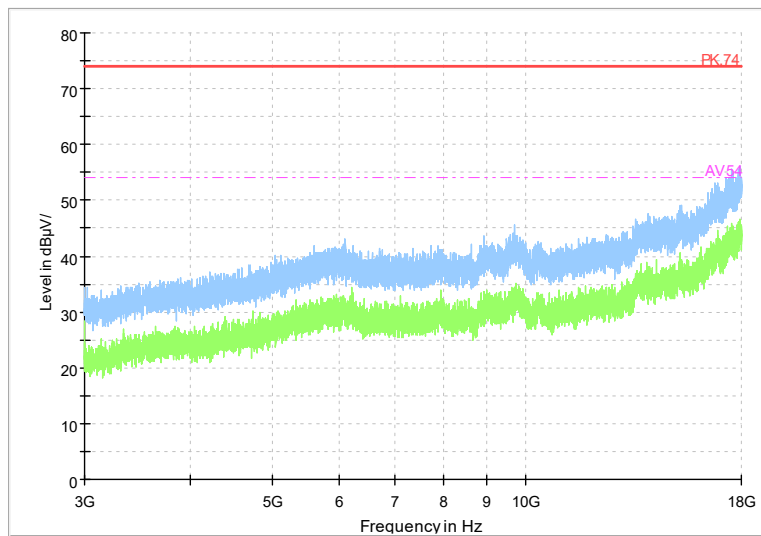
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

Full Spectrum



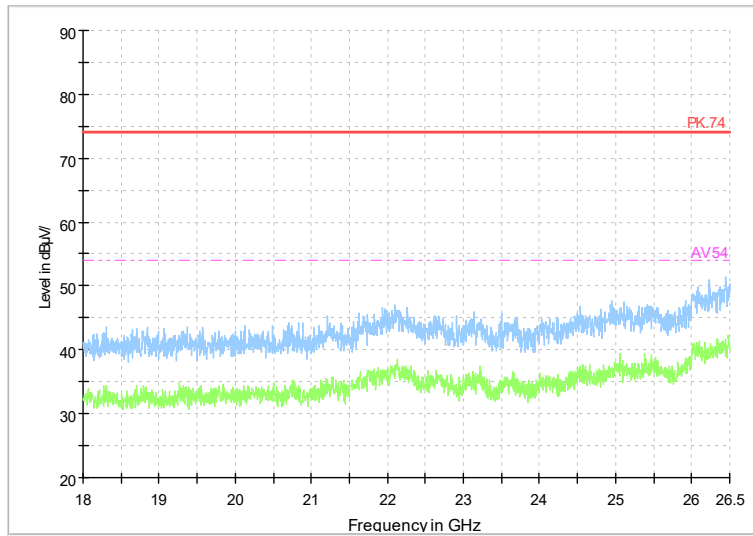
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



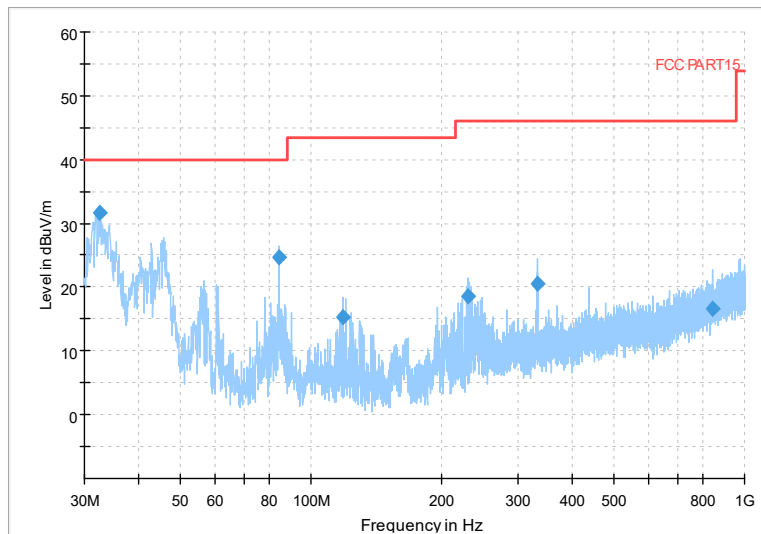
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



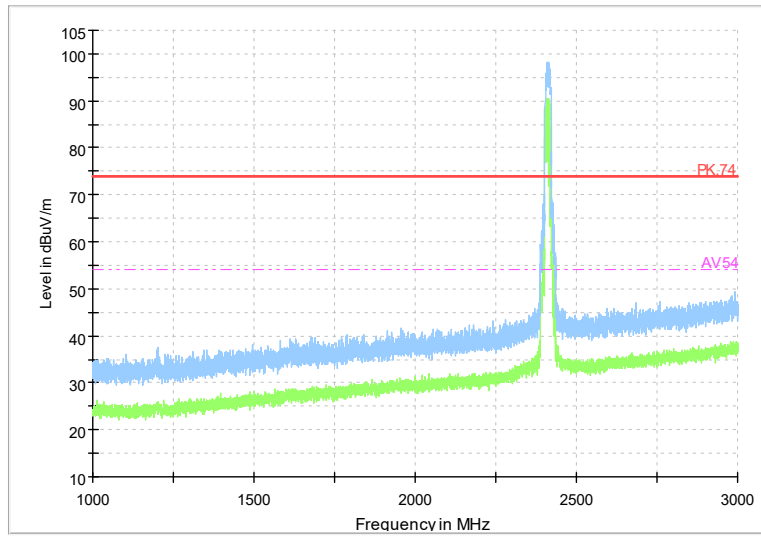
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



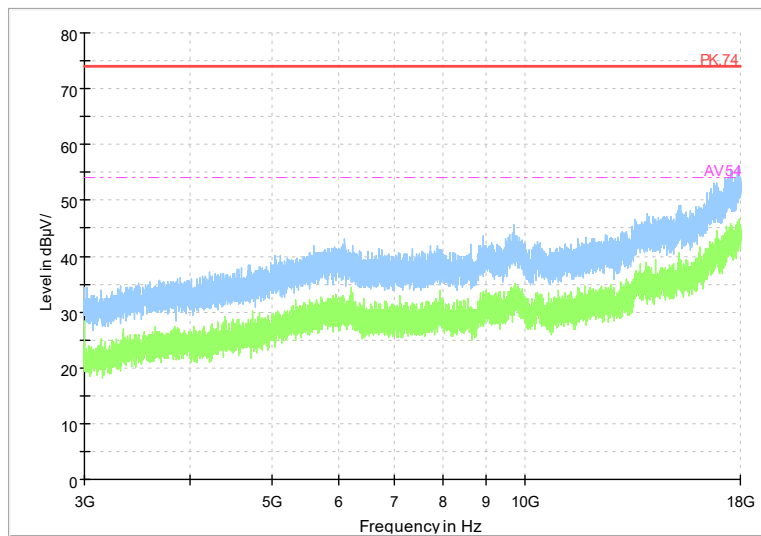
Frequency Range: 30MHz -1GHz
Detector:QP mode
Modulation type: 802.11n(HT20)

Full Spectrum



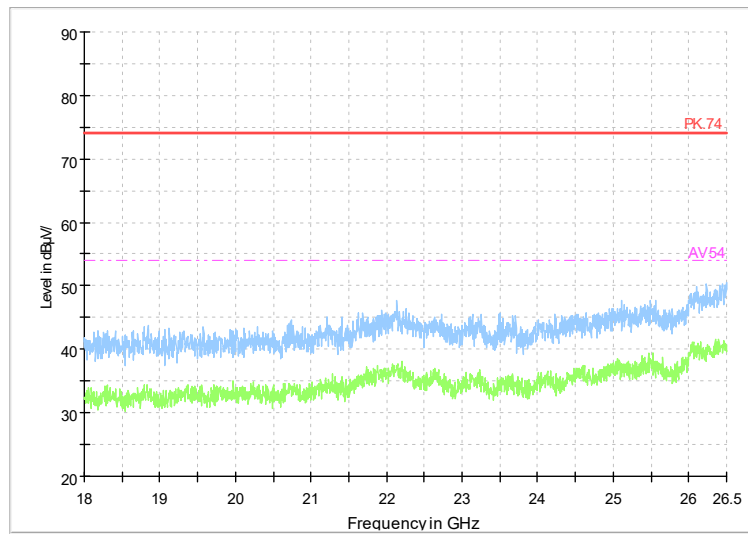
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

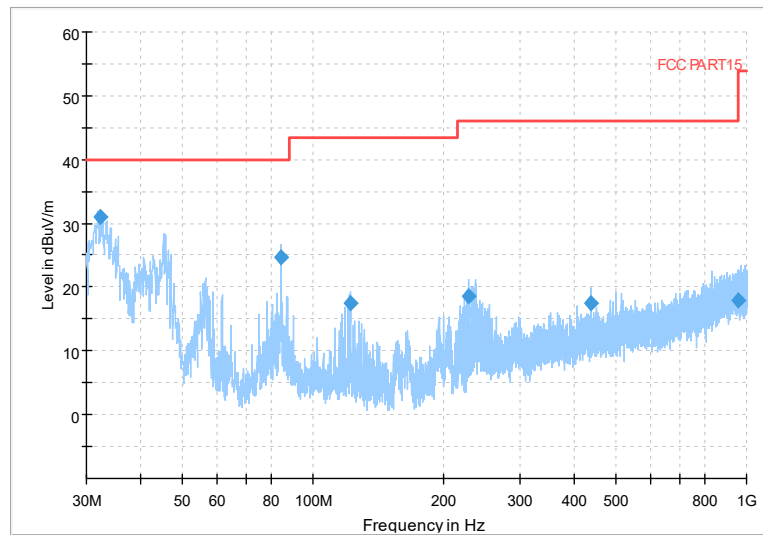
Full Spectrum



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

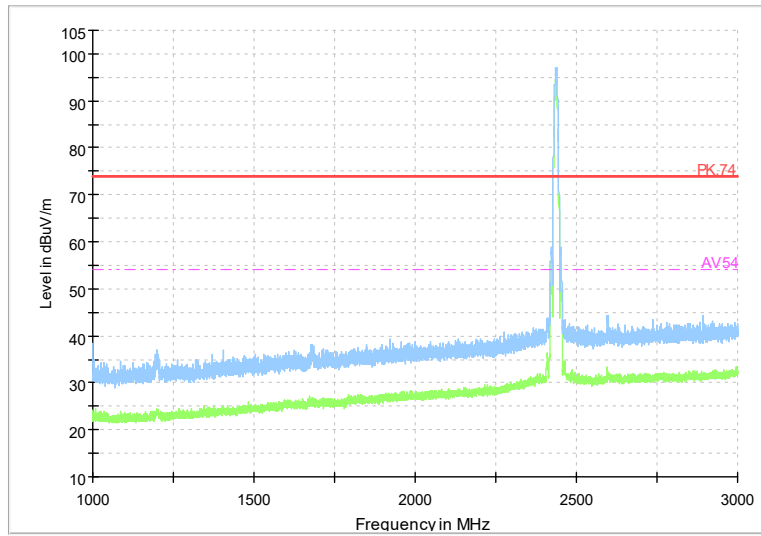
Carrier frequency (MHz): 2437
Channel No.:6

Full Spectrum



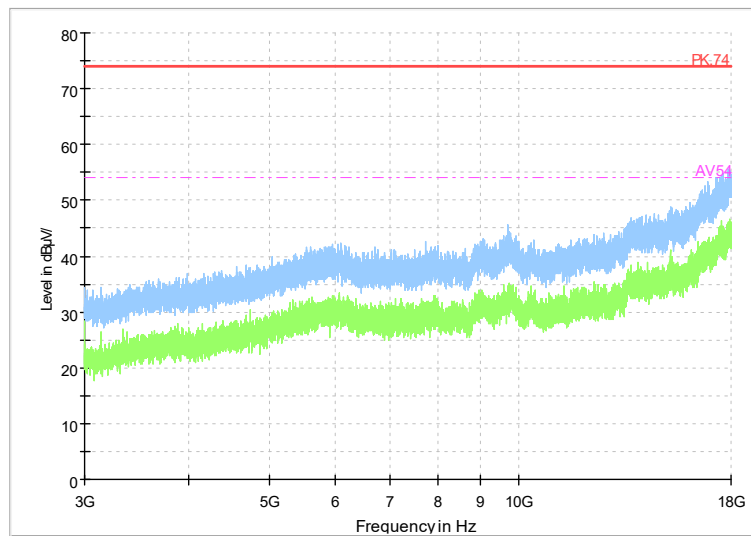
Frequency Range: 30MHz -1GHz
Detector:QP mode
Modulation type: 802.11b

Full Spectrum



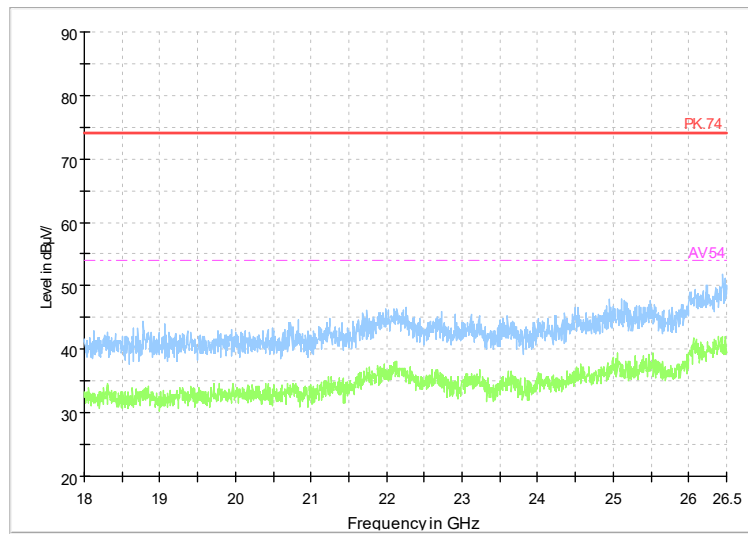
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



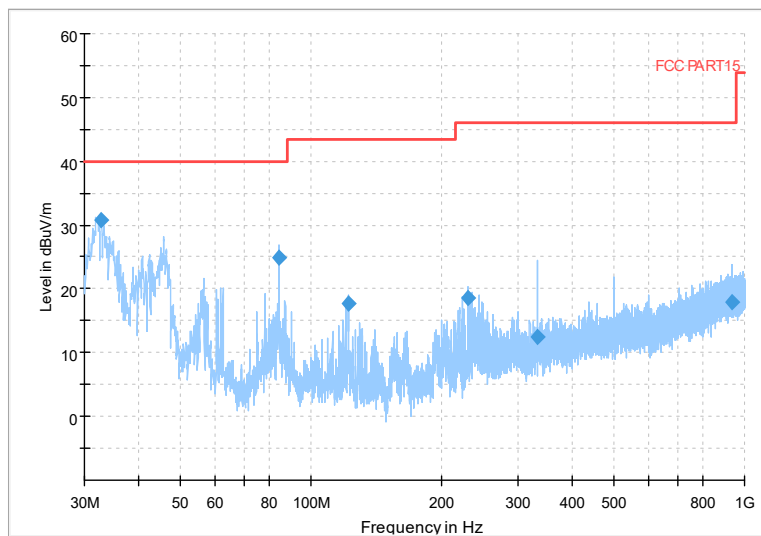
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



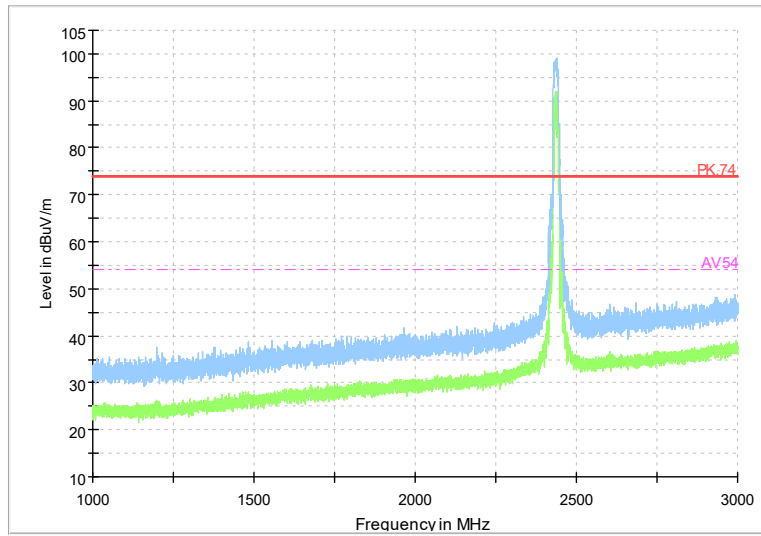
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



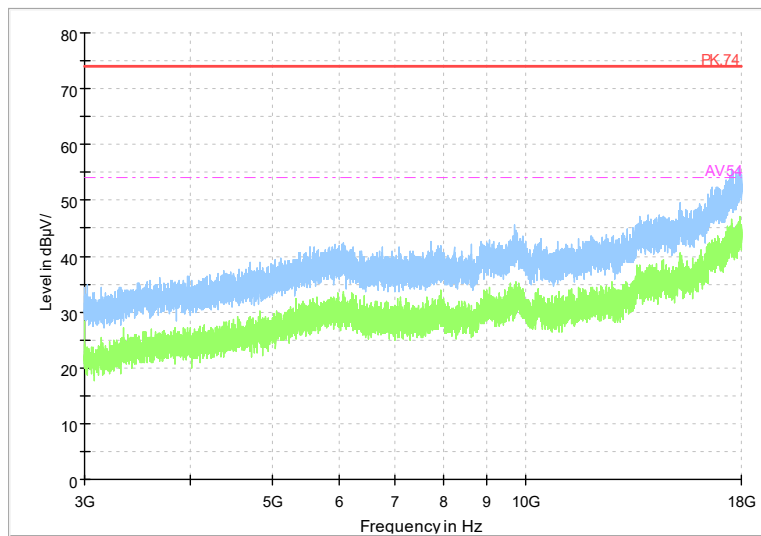
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

Full Spectrum



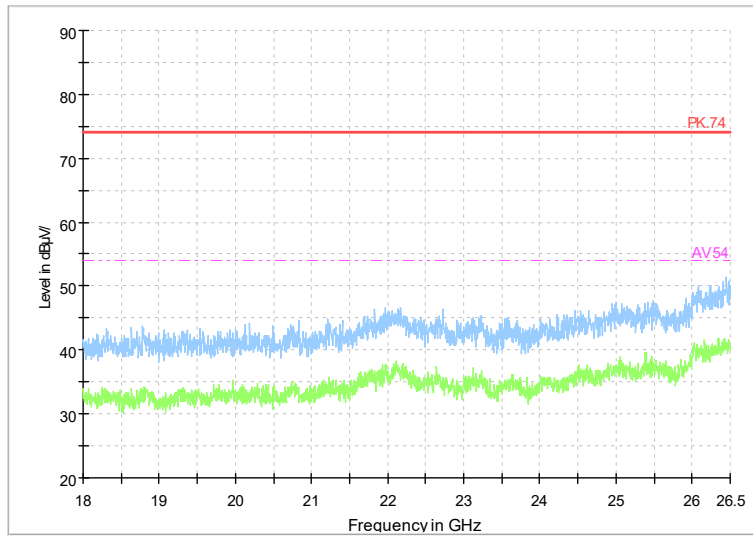
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



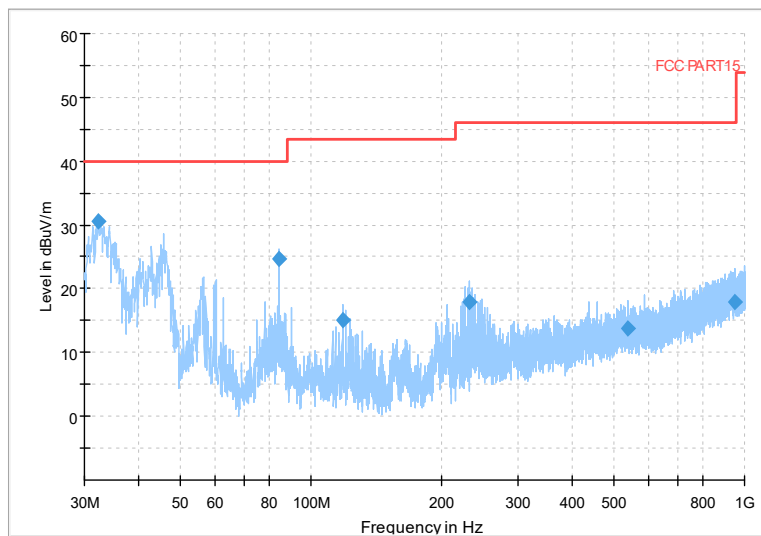
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



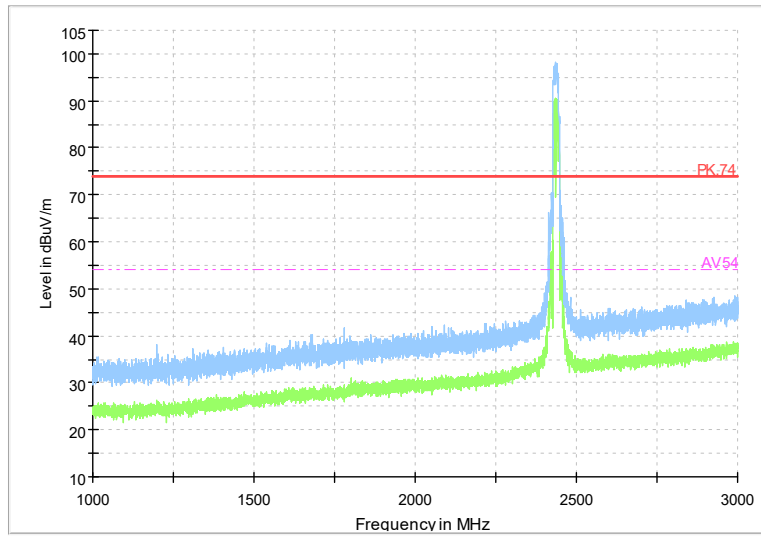
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



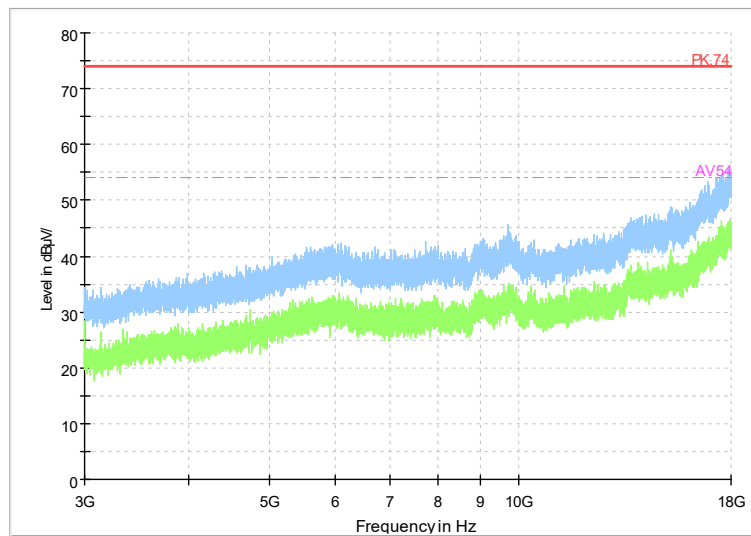
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)

Full Spectrum



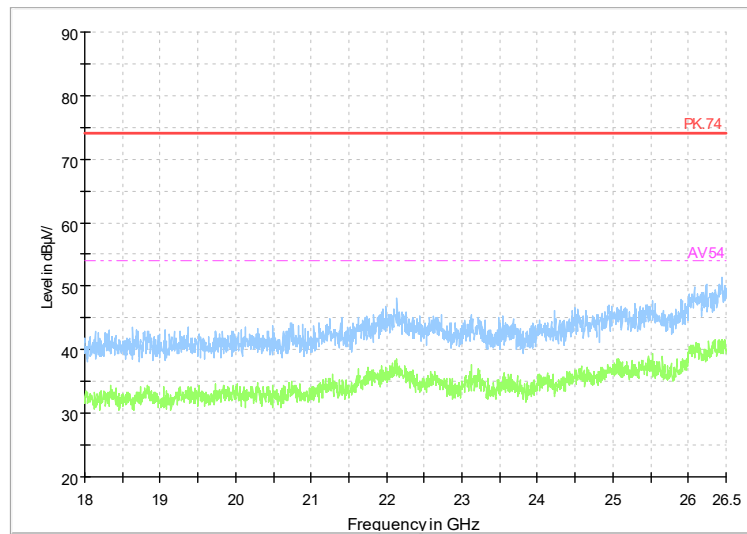
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

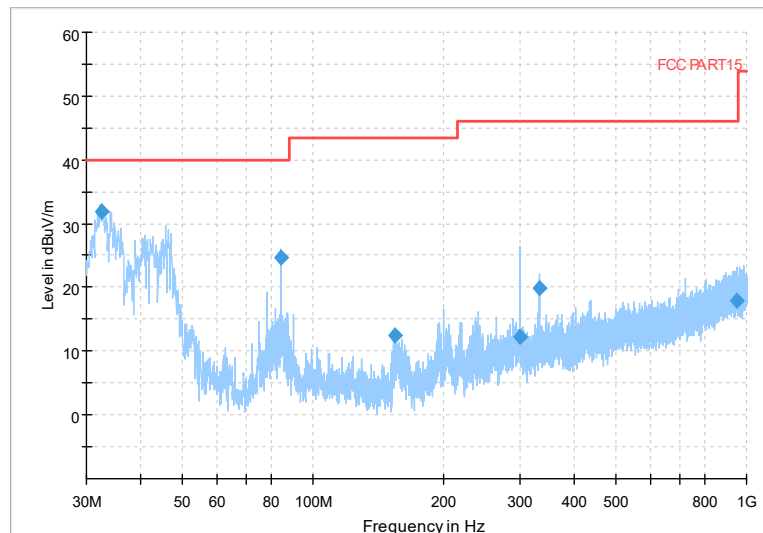
Full Spectrum



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

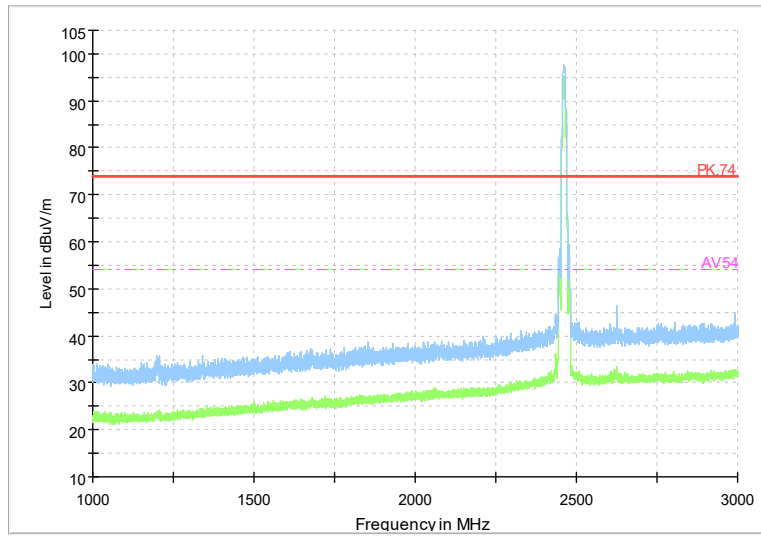
Carrier frequency (MHz): 2462
Channel No.:11

Full Spectrum



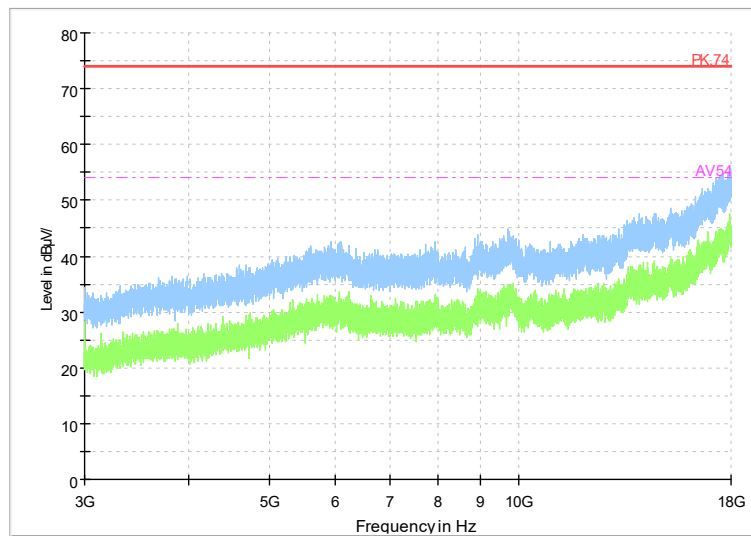
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11b

Full Spectrum



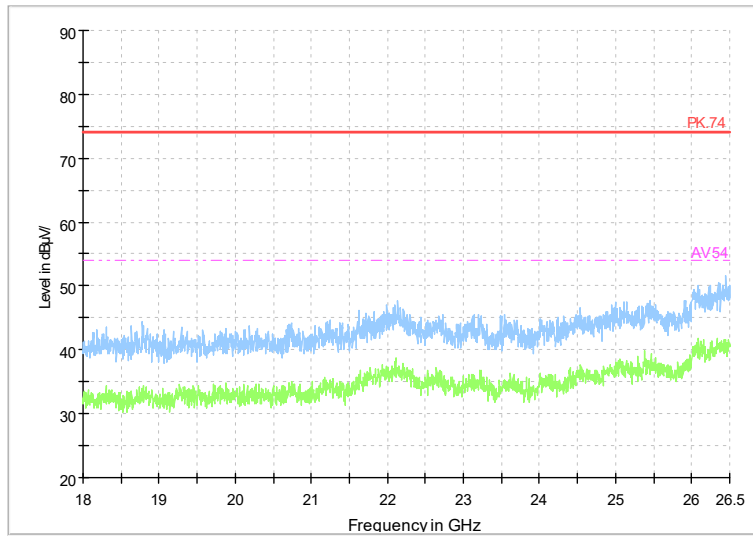
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



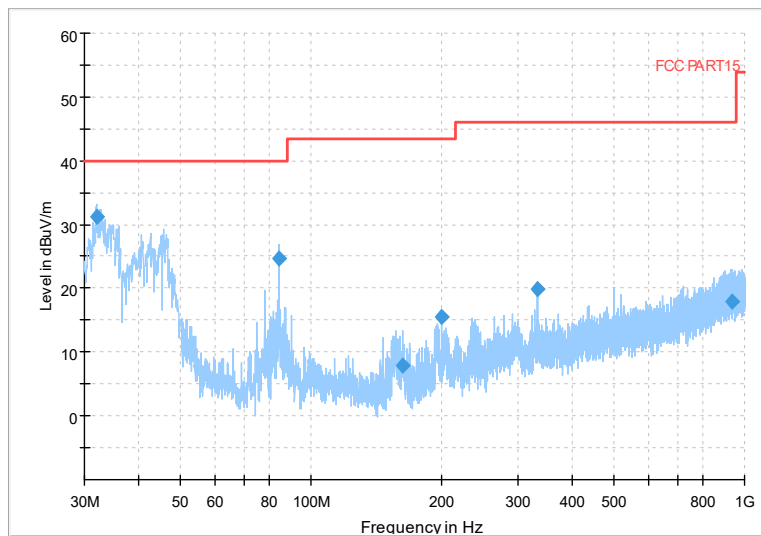
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



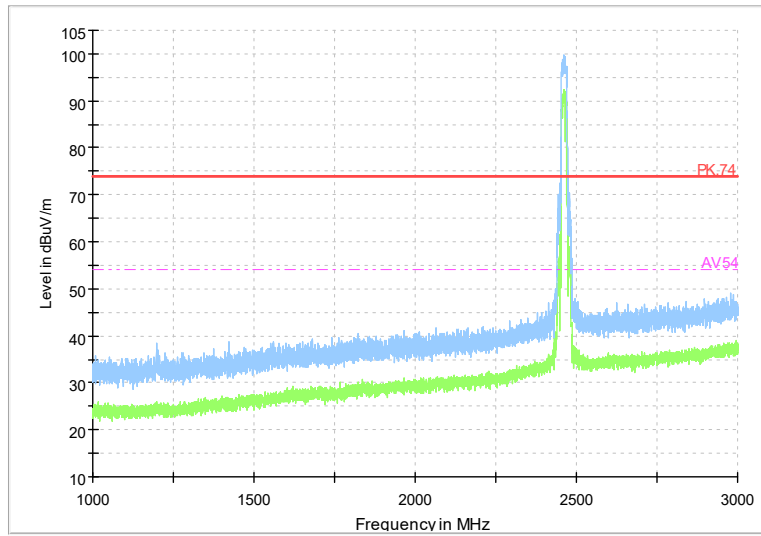
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



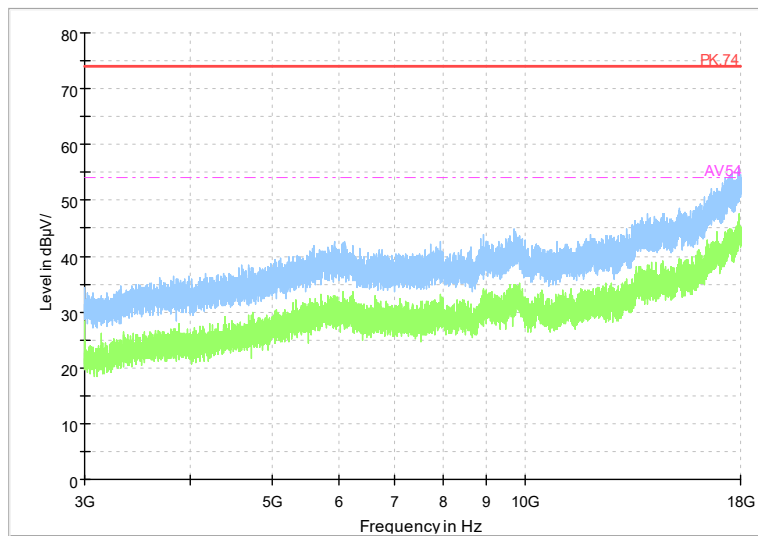
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

Full Spectrum



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

Full Spectrum



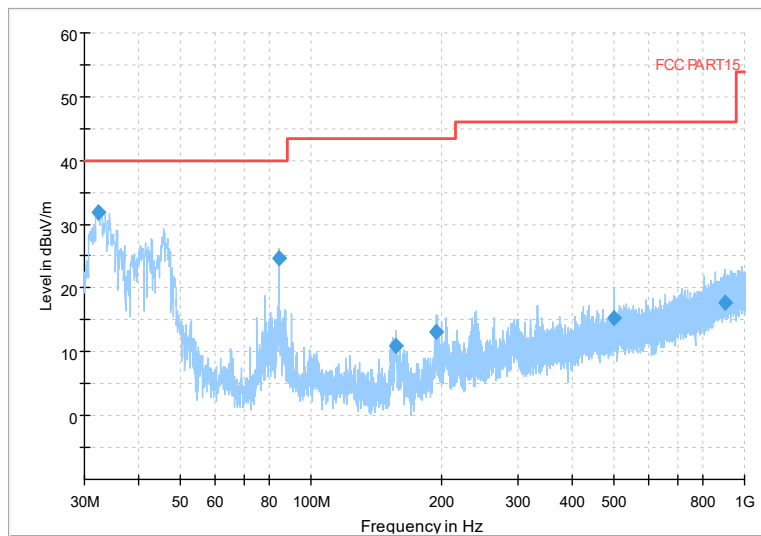
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



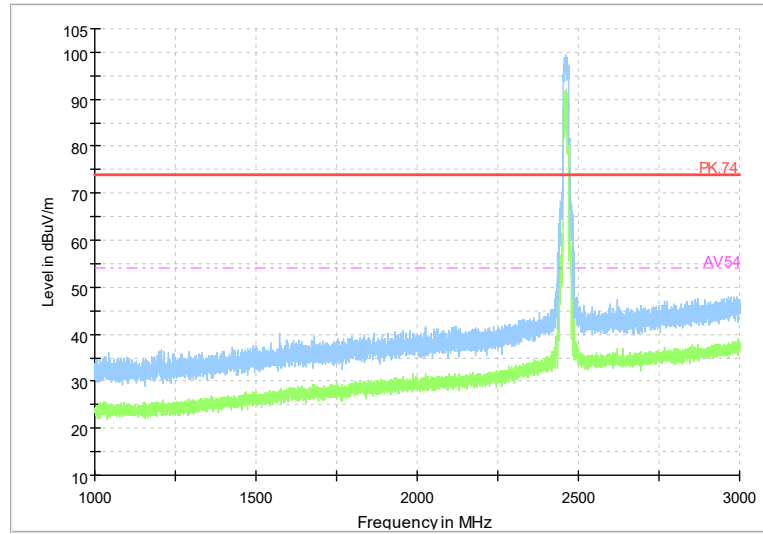
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



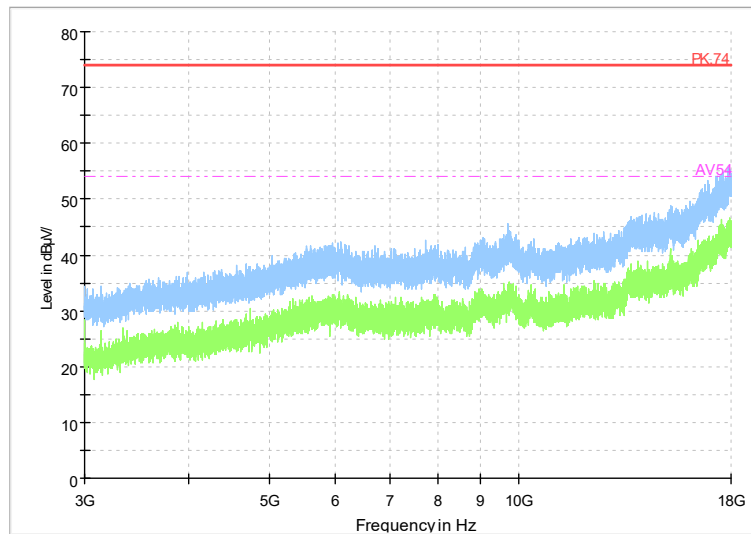
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)

Full Spectrum



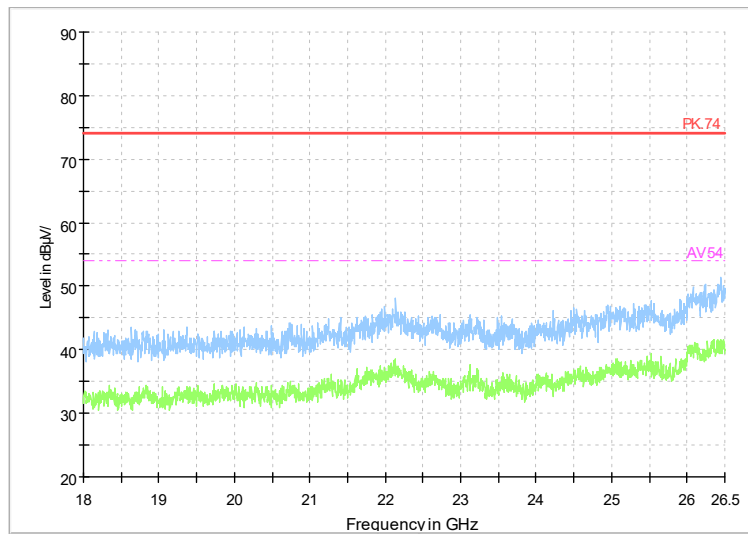
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

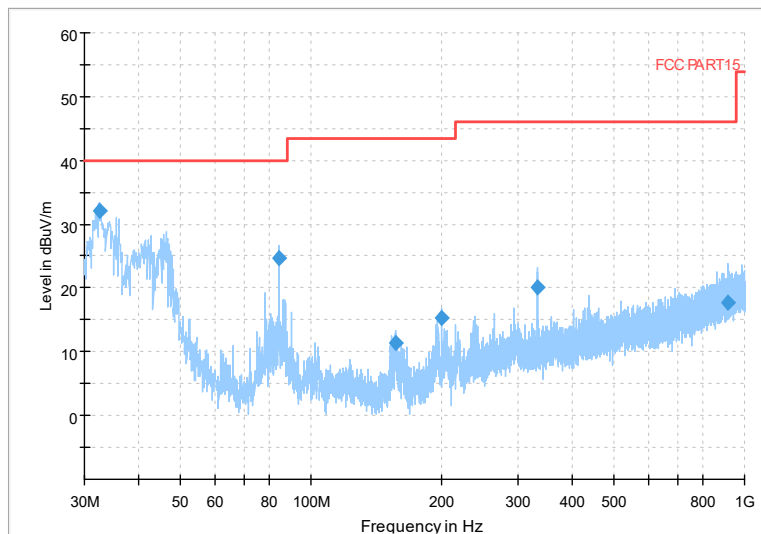
Full Spectrum



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

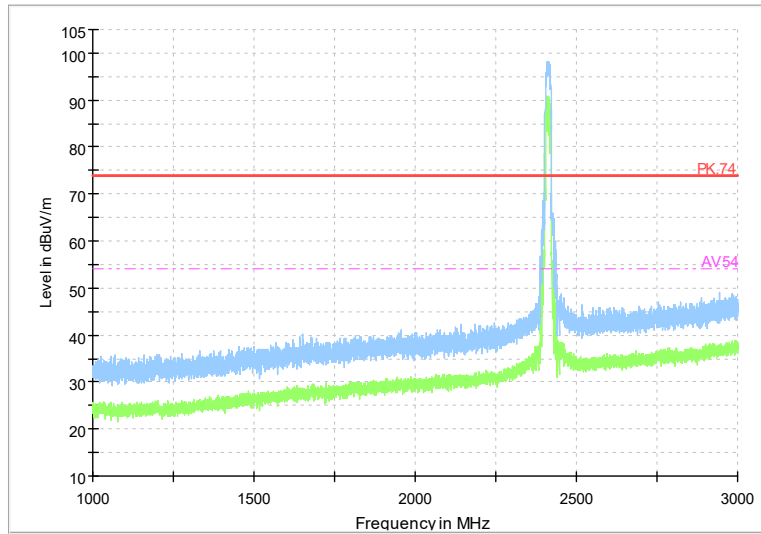
Carrier frequency (MHz): 2422
Channel No.:3

Full Spectrum



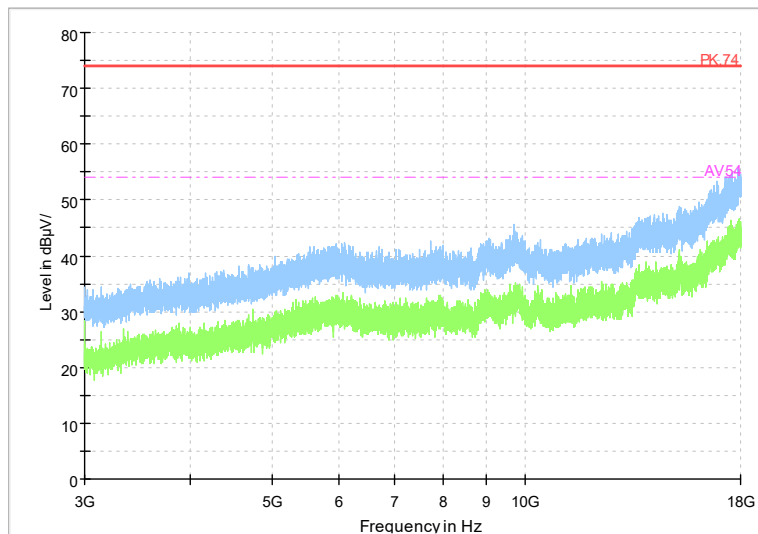
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40)

Full Spectrum



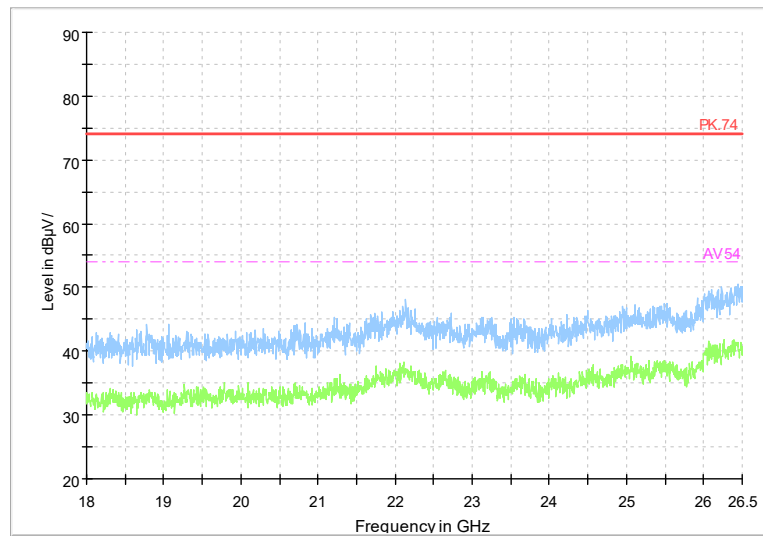
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

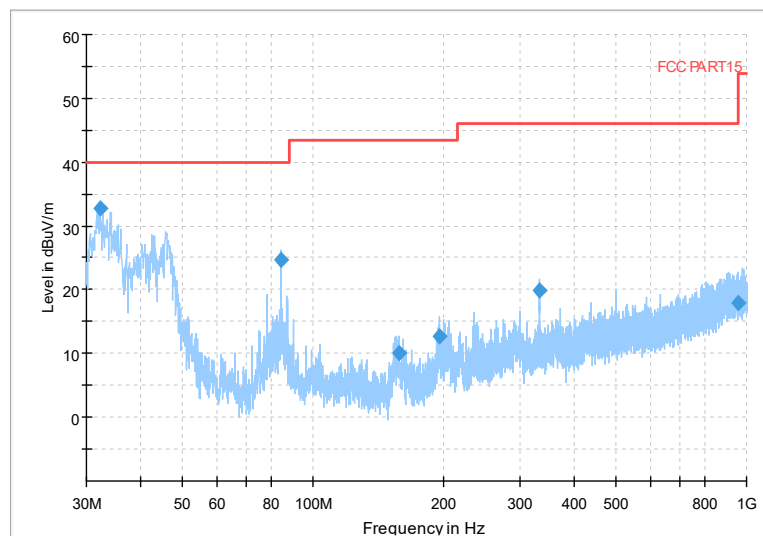
Full Spectrum



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

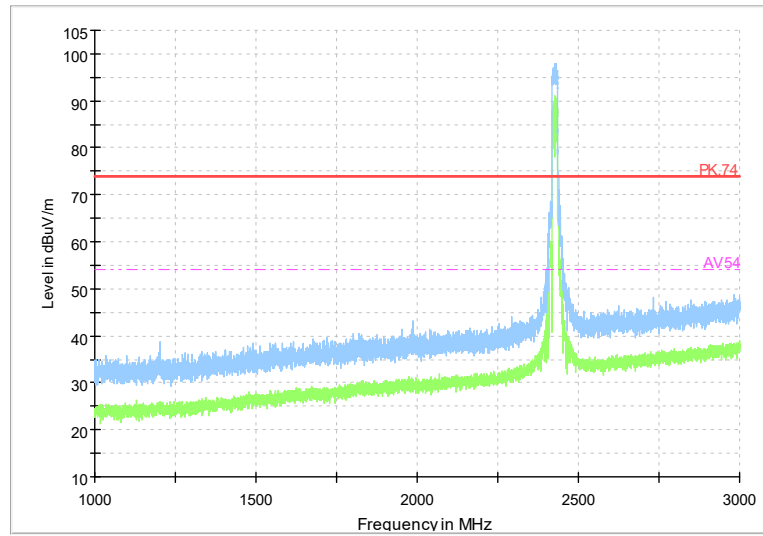
Carrier frequency (MHz): 2437
Channel No.:6

Full Spectrum



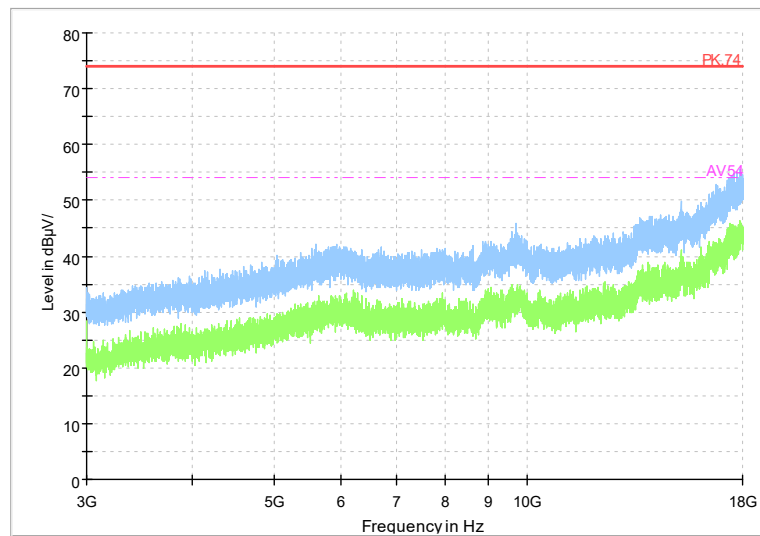
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40)

Full Spectrum



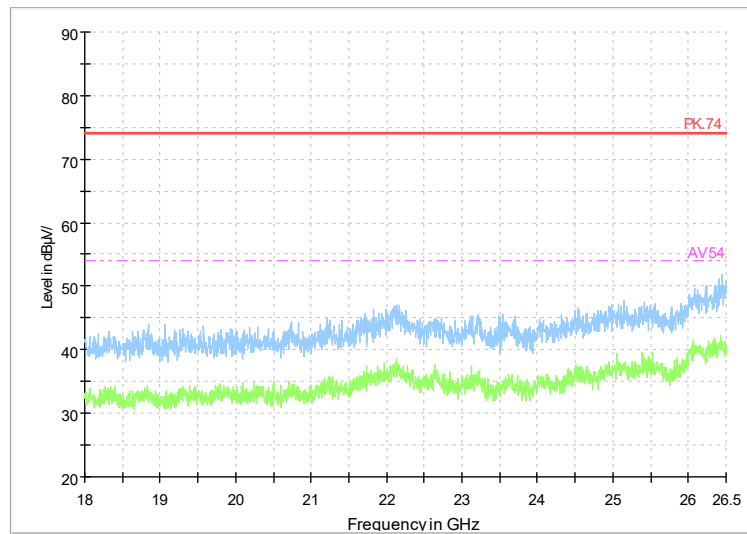
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

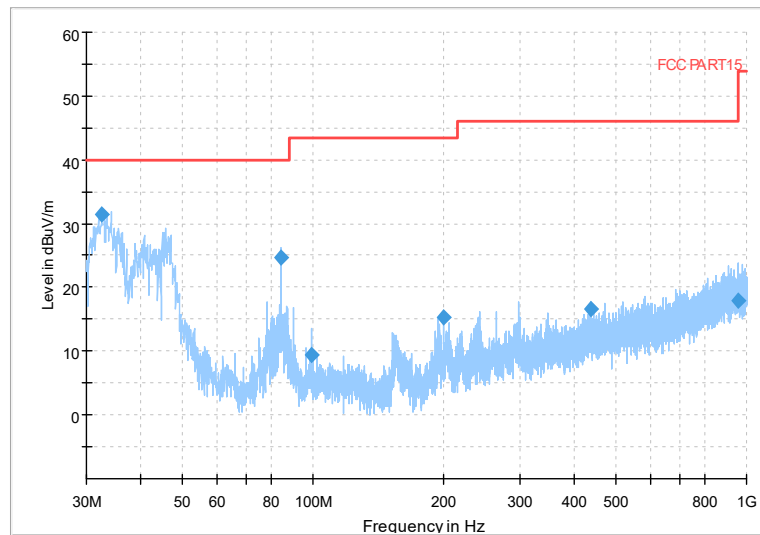
Full Spectrum



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

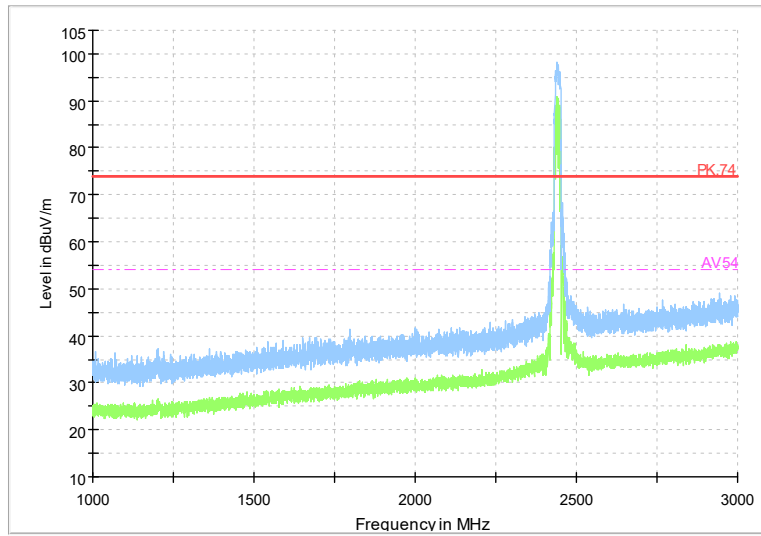
Carrier frequency (MHz): 2452
Channel No.:9

Full Spectrum



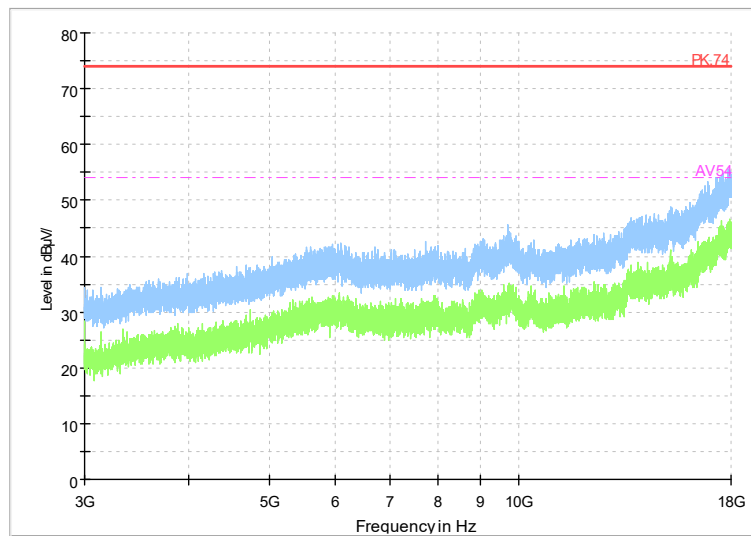
Frequency Range: 30MHz -1GHz
Detector:QP mode
Modulation type: 802.11n(HT40)

Full Spectrum



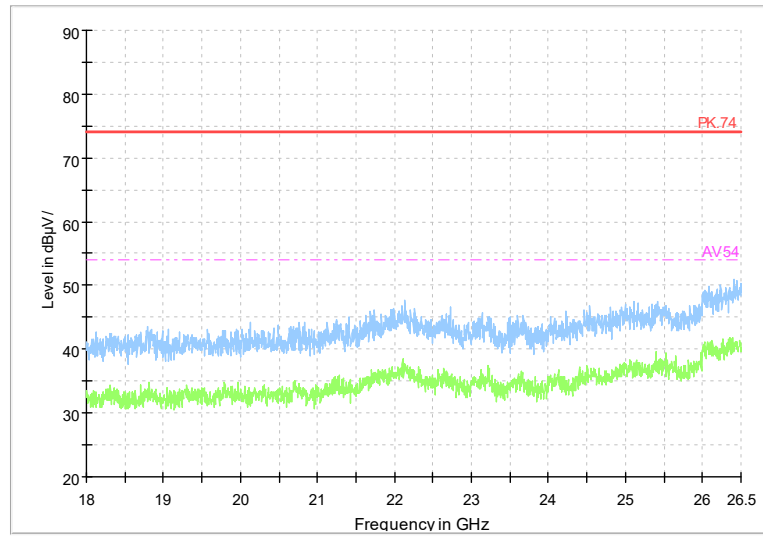
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

Full Spectrum



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

---End of Test Report---