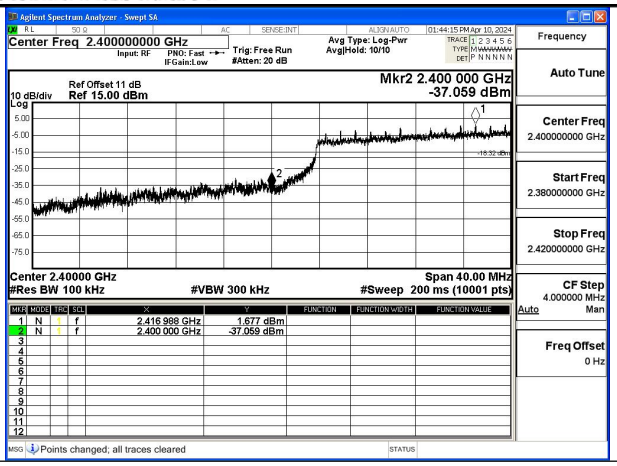
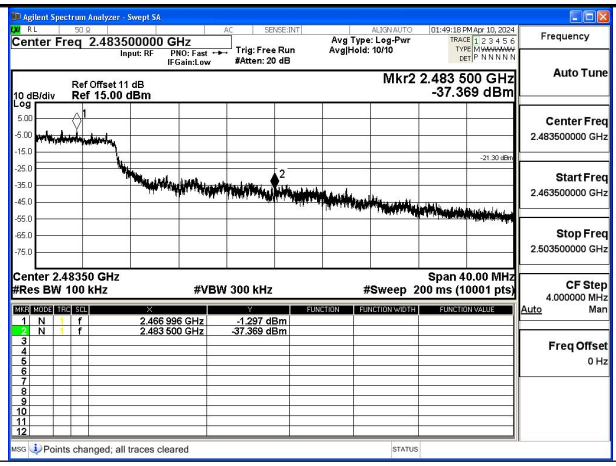
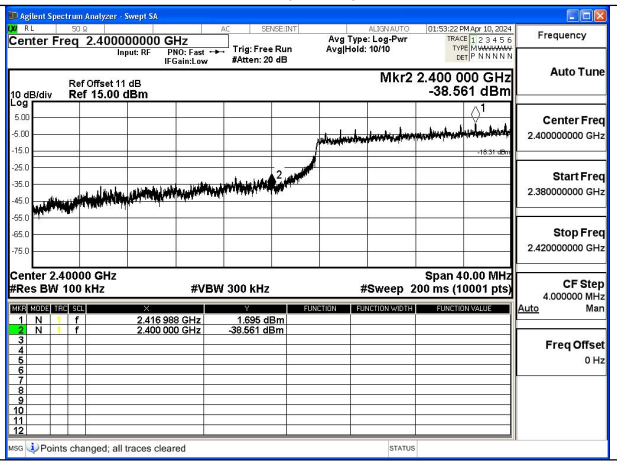


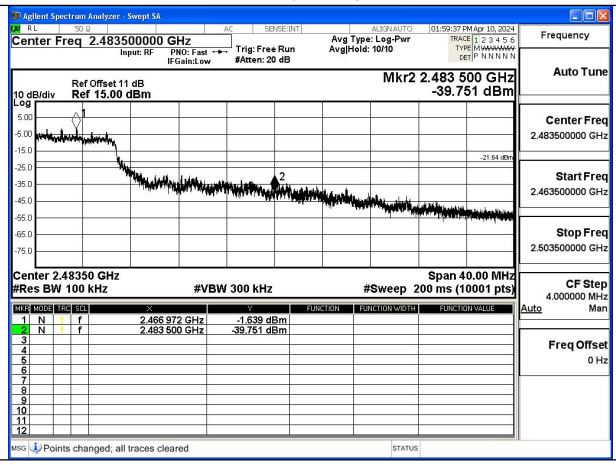
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0



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



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



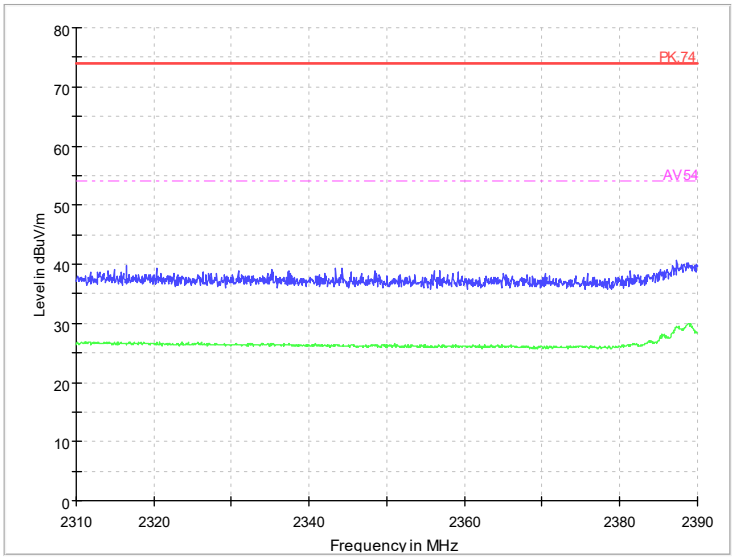
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

APPENDIX B – TEST DATA OF RADIATED EMISSION

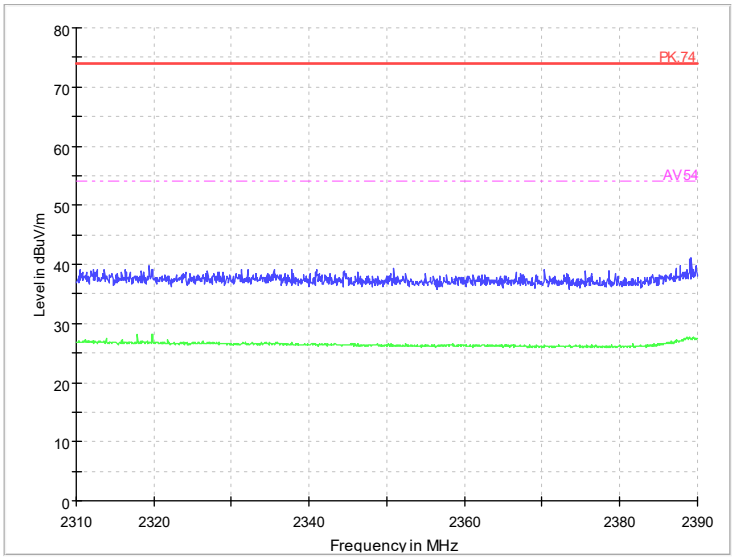
Note：The worst channel results are reflected in the report.

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

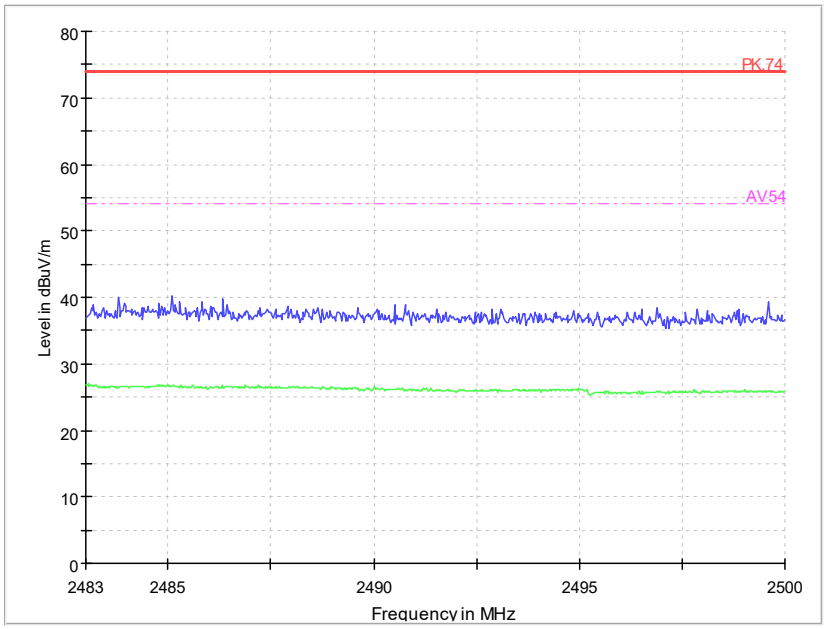
Radiated Emission Band Edge



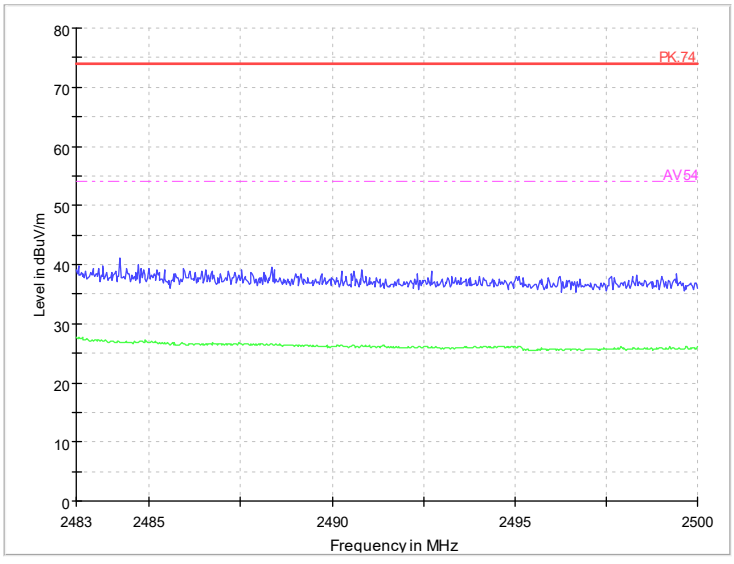
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization：V



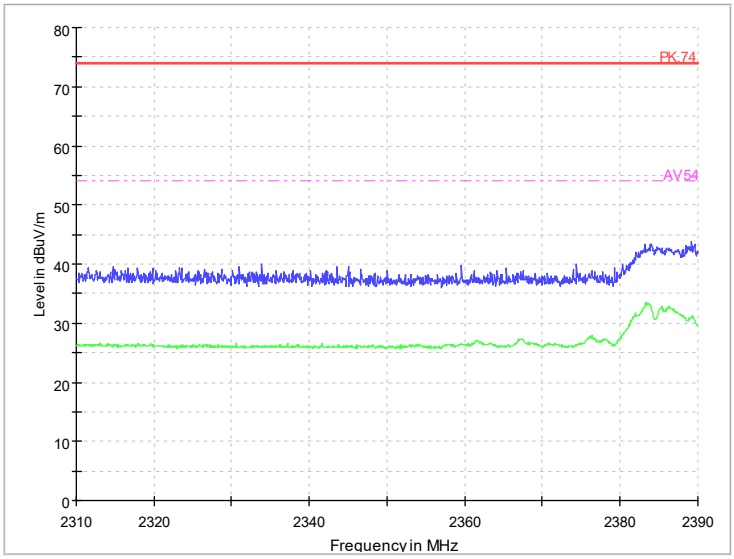
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization：H



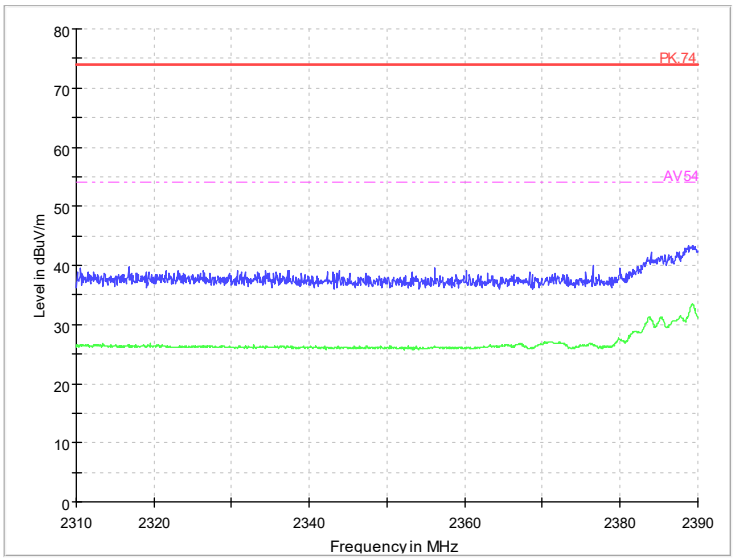
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization：V



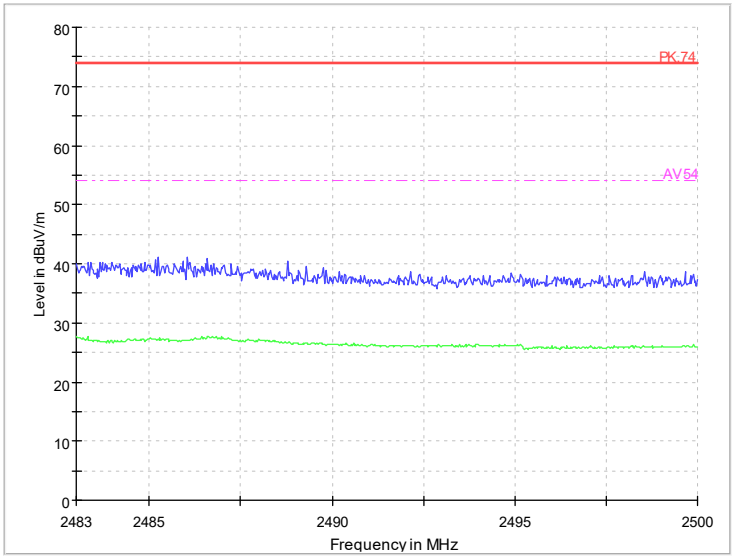
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization：H



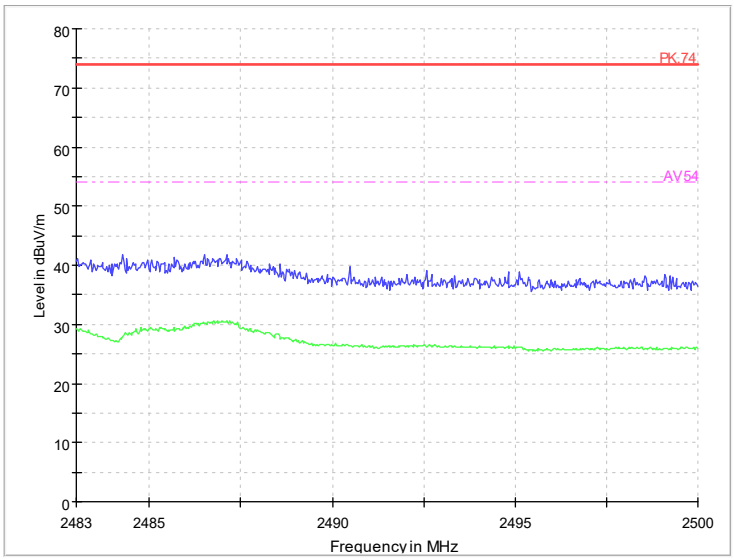
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization：V



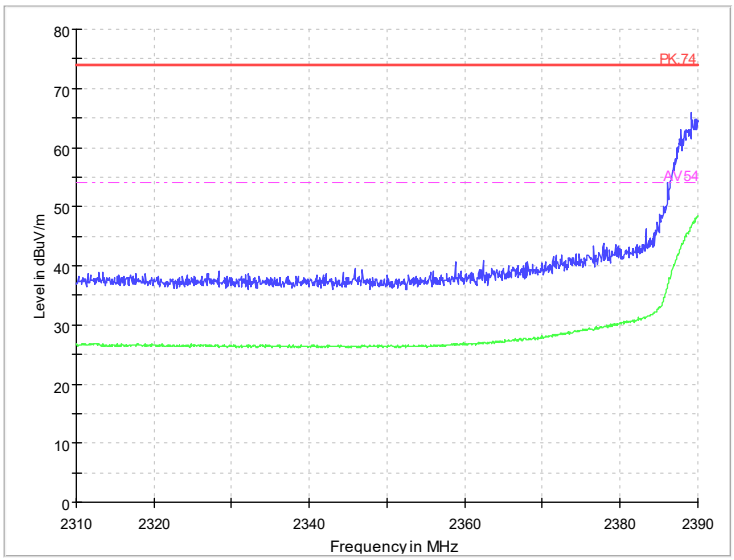
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization：H



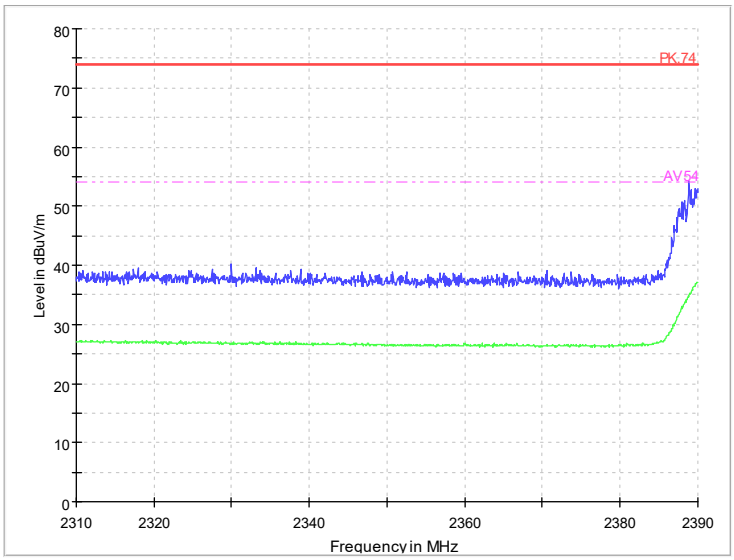
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization：V



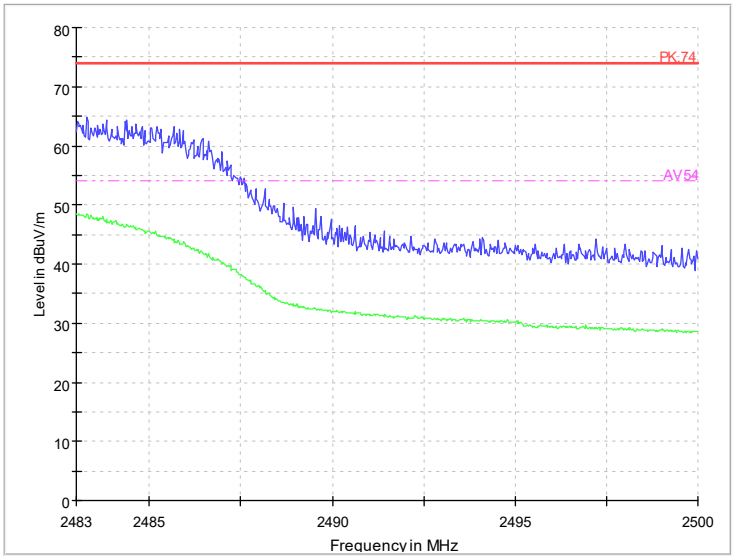
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization：H



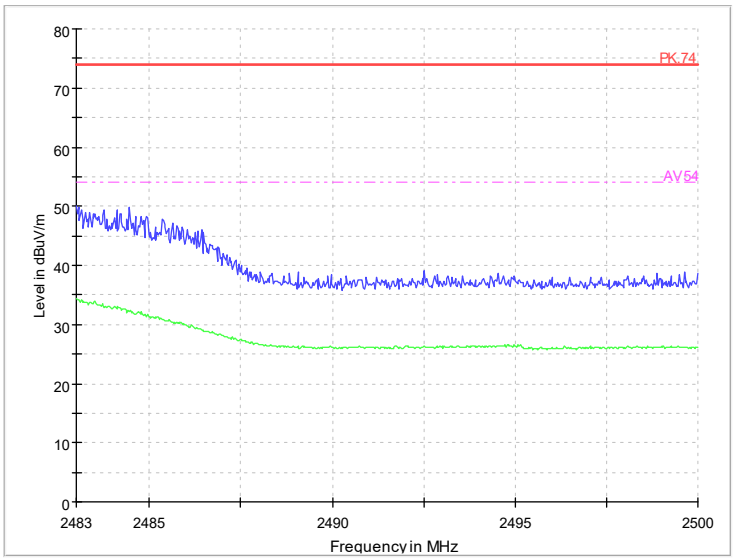
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n
Polarization：V



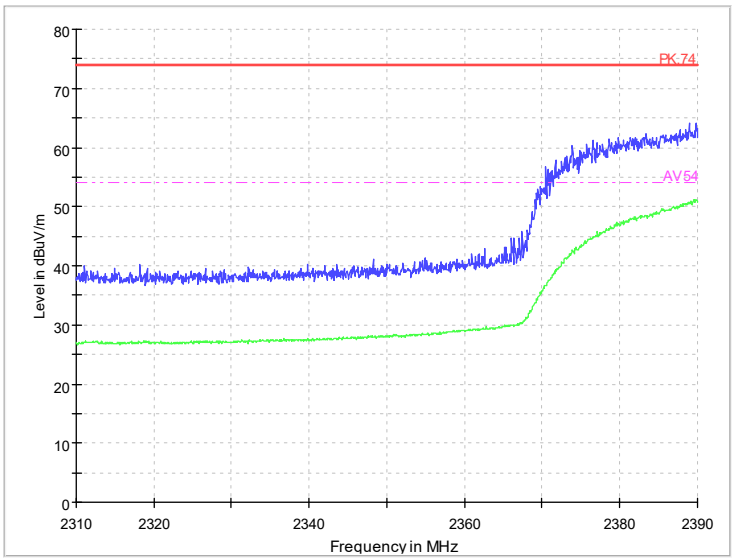
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n
Polarization：H



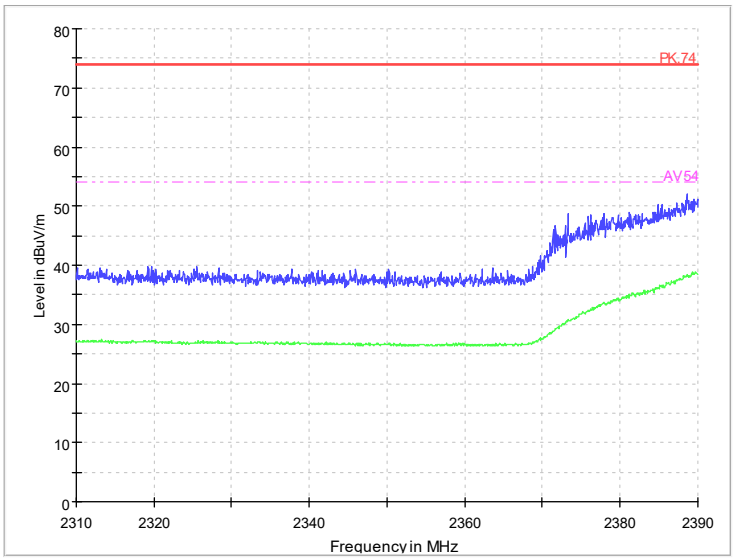
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n
Polarization：V



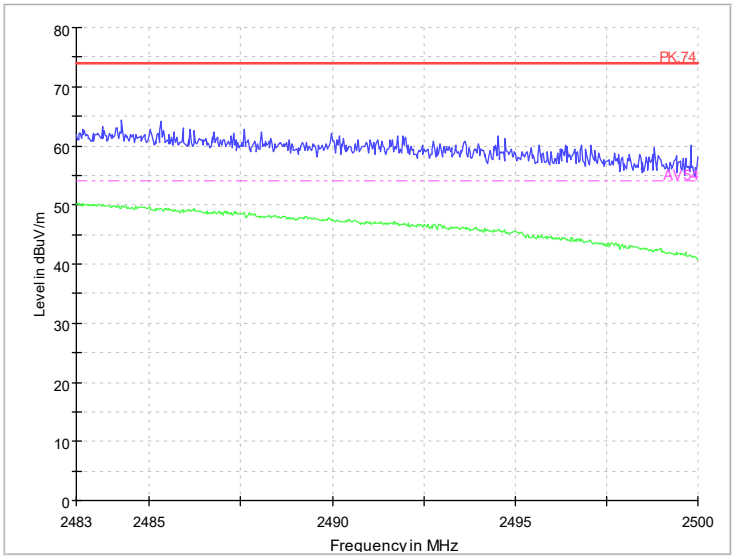
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n
Polarization：H



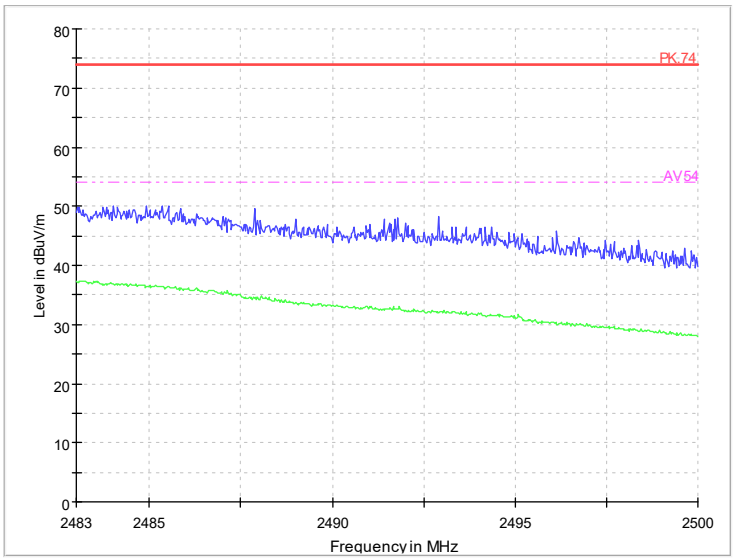
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n40
Polarization：V



Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n40
Polarization：H



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n40
Polarization：V



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n40
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:
Result= P_{mea} + A_{Rpl} Sample calculation: (A) = (B) + (C).

Frequency(MHz)	Result(dBuV/m)	Limit (dBuV/m)	A_{Rpl} (dB/m)	P_{mea} (dBuV)	Polarity
---	A	---	B	C	---

The worst case attitude: The EUT lay down.
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)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.582000	27.54	40.00	12.46	-20.7	48.24	Vertical
54.347000	12.05	40.00	27.95	-19.3	31.35	Vertical
128.600500	27.83	43.50	15.67	-21.6	49.43	Vertical
215.949000	26.08	43.50	17.42	-19.4	45.48	Vertical
479.983000	21.73	46.00	24.27	-12.7	34.43	Vertical
959.939000	35.44	46.00	10.56	-5.0	40.44	Vertical

For 802.11g Channel No.:1

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
31.697500	26.56	40.00	13.44	-20.6	47.16	Vertical
54.347000	11.99	40.00	28.01	-19.3	31.29	Vertical
127.679000	27.68	43.50	15.82	-21.5	49.18	Vertical
215.949000	26.20	43.50	17.30	-19.4	45.60	Vertical
479.934500	19.48	46.00	26.52	-12.7	32.18	Vertical
959.939000	35.47	46.00	10.53	-5.0	40.47	Vertical

For 802.11n(HT20) Channel No.:1

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
31.940000	26.53	40.00	13.47	-20.5	47.03	Vertical
56.287000	13.20	40.00	26.80	-19.5	32.70	Vertical
128.746000	27.58	43.50	15.92	-21.6	49.18	Vertical
215.949000	26.75	43.50	16.75	-19.4	46.15	Vertical
479.983000	21.72	46.00	24.28	-12.7	34.42	Vertical
959.939000	35.75	46.00	10.25	-5.0	40.75	Vertical

For 802.11b Channel No.:6

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
32.134000	26.07	40.00	13.93	-20.5	46.57	Vertical
53.959000	12.61	40.00	27.39	-19.3	31.91	Vertical
128.406500	27.80	43.50	15.70	-21.6	49.40	Vertical
215.949000	26.56	43.50	16.94	-19.4	45.96	Vertical
479.983000	21.53	46.00	24.47	-12.7	34.23	Vertical
959.939000	35.67	46.00	10.33	-5.0	40.67	Vertical

For 802.11g Channel No.:6

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.582000	26.64	40.00	13.36	-20.7	47.34	Vertical
54.007500	11.72	40.00	28.28	-19.3	31.02	Vertical
124.090000	22.07	43.50	21.43	-21.0	43.07	Vertical
215.949000	26.02	43.50	17.48	-19.4	45.42	Vertical
479.983000	21.67	46.00	24.33	-12.7	34.37	Vertical
959.939000	35.35	46.00	10.65	-5.0	40.35	Vertical

For 802.11n(HT20) Channel No.:6

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.727500	26.75	40.00	13.25	-20.7	47.45	Vertical
58.227000	12.39	40.00	27.61	-19.7	32.09	Vertical
128.697500	27.74	43.50	15.76	-21.6	49.34	Vertical
215.949000	26.56	43.50	16.94	-19.4	45.96	Vertical
479.983000	21.64	46.00	24.36	-12.7	34.34	Vertical
959.939000	35.66	46.00	10.34	-5.0	40.66	Vertical

For 802.11b Channel No.:11

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
31.843000	25.94	40.00	14.06	-20.5	46.44	Vertical
54.395500	11.01	40.00	28.99	-19.3	30.31	Vertical
128.503500	27.53	43.50	15.97	-21.6	49.13	Vertical
215.949000	25.97	43.50	17.53	-19.4	45.37	Vertical
479.983000	21.61	46.00	24.39	-12.7	34.31	Vertical
959.939000	35.33	46.00	10.67	-5.0	40.33	Vertical

For 802.11g Channel No.:11

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.533500	26.89	40.00	13.11	-20.7	47.59	Vertical

56.335500	12.20	40.00	27.80	-19.5	31.70	Vertical
129.231000	27.68	43.50	15.82	-21.7	49.38	Vertical
215.949000	26.62	43.50	16.88	-19.4	46.02	Vertical
479.983000	21.55	46.00	24.45	-12.7	34.25	Vertical
959.939000	35.72	46.00	10.28	-5.0	40.72	Vertical

For 802.11n(HT20) Channel No.:11

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
31.503500	25.33	40.00	14.67	-20.6	45.93	Vertical
56.917500	10.41	40.00	29.59	-19.6	30.01	Vertical
129.667500	27.49	43.50	16.01	-21.8	49.29	Vertical
215.949000	26.58	43.50	16.92	-19.4	45.98	Vertical
479.983000	21.53	46.00	24.47	-12.7	34.23	Vertical
959.939000	35.45	46.00	10.55	-5.0	40.45	Vertical

For 802.11n(HT40) Channel No.:3

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.582000	27.32	40.00	12.68	-20.7	48.02	Vertical
56.723500	11.78	40.00	28.22	-19.5	31.28	Vertical
128.843000	27.72	43.50	15.78	-21.7	49.42	Vertical
215.949000	26.53	43.50	16.97	-19.4	45.93	Vertical
479.983000	21.45	46.00	24.55	-12.7	34.15	Vertical
959.939000	35.39	46.00	10.61	-5.0	40.39	Vertical

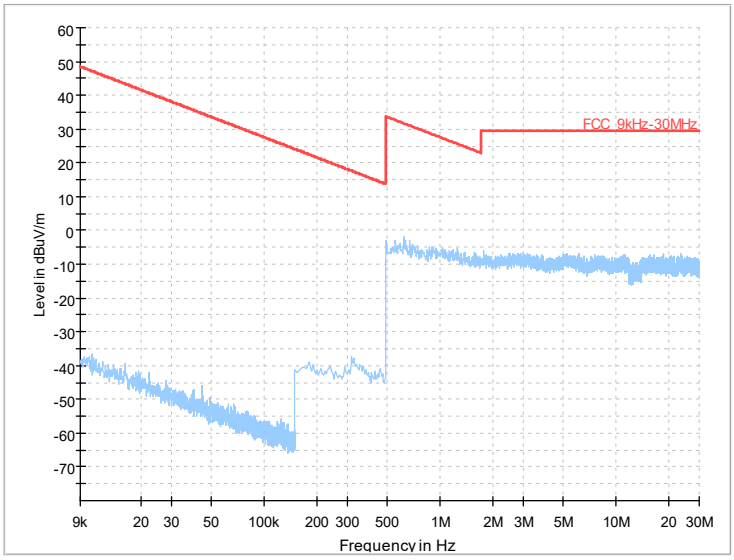
For 802.11n(HT40) Channel No.:6

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.679000	27.06	40.00	12.94	-20.7	47.76	Vertical
54.783500	10.80	40.00	29.20	-19.4	30.20	Vertical
128.358000	27.38	43.50	16.12	-21.6	48.98	Vertical
215.949000	25.94	43.50	17.56	-19.4	45.34	Vertical
479.983000	21.45	46.00	24.55	-12.7	34.15	Vertical
959.939000	35.34	46.00	10.66	-5.0	40.34	Vertical

For 802.11n(HT40) Channel No.:9

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
30.436500	25.42	40.00	14.58	-20.7	46.12	Vertical
56.820500	10.58	40.00	29.42	-19.5	30.08	Vertical
128.358000	27.59	43.50	15.91	-21.6	49.19	Vertical
215.949000	25.76	43.50	17.74	-19.4	45.16	Vertical
479.983000	21.23	46.00	24.77	-12.7	33.93	Vertical

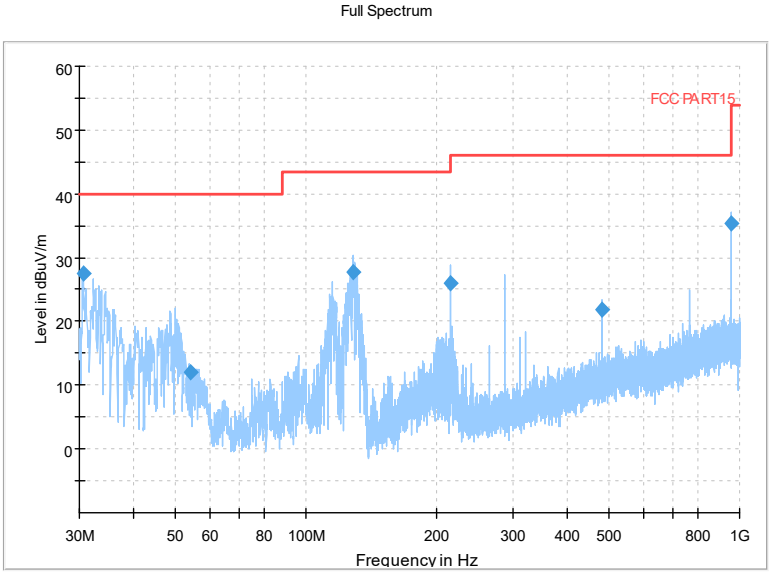
959.939000	35.40	46.00	10.60	-5.0	40.40	Vertical



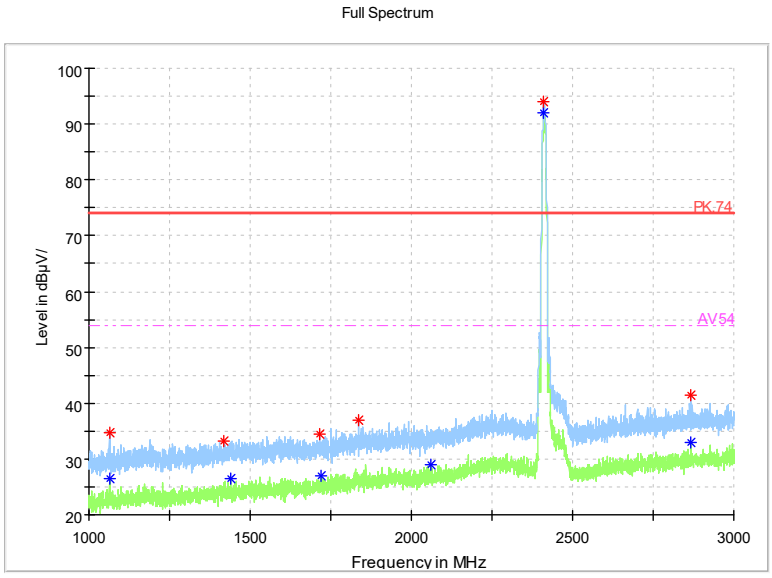
Frequency Range: 9kHz -30MHz
Detector: QP mode

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.

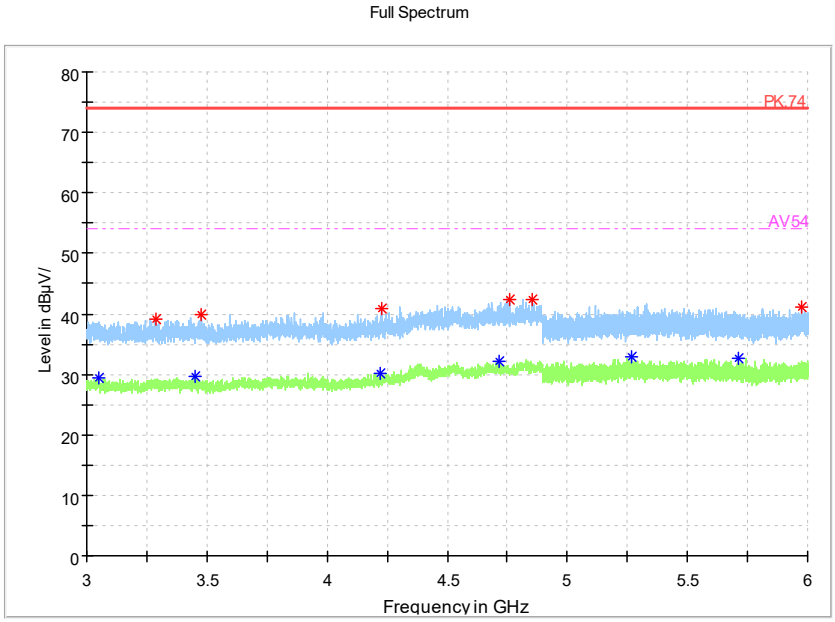
Carrier frequency (MHz): 2412
Channel No.:1



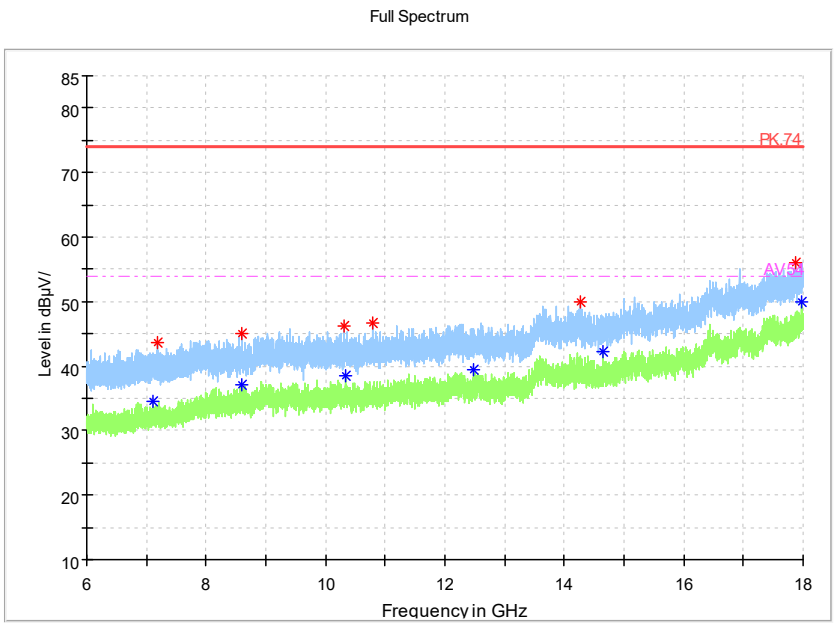
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



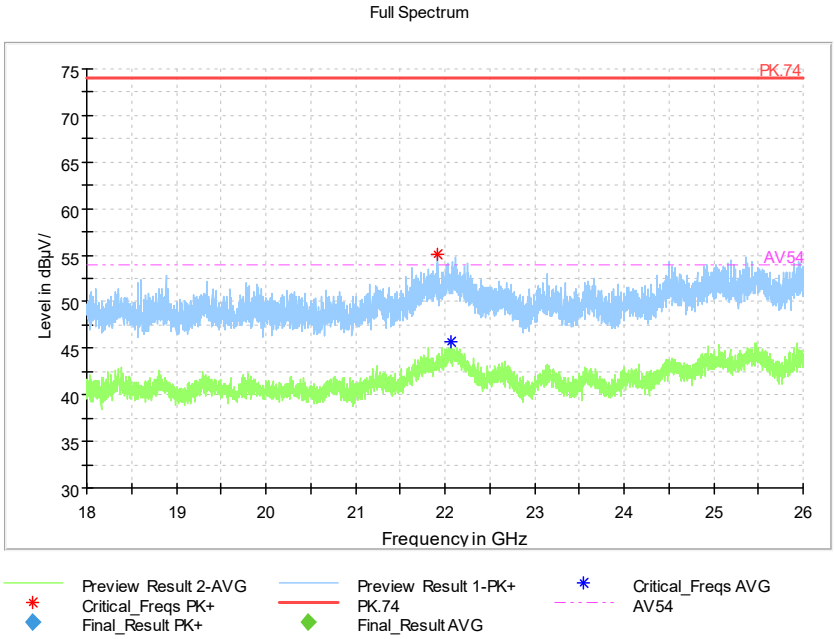
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



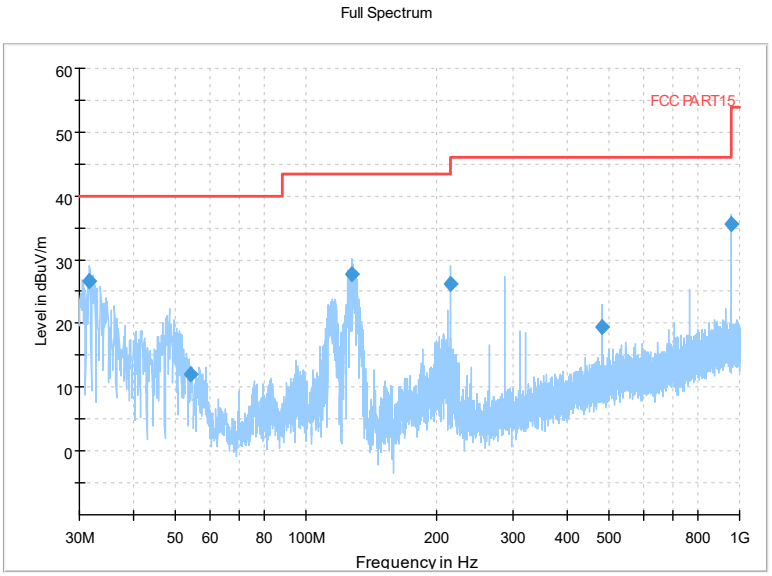
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



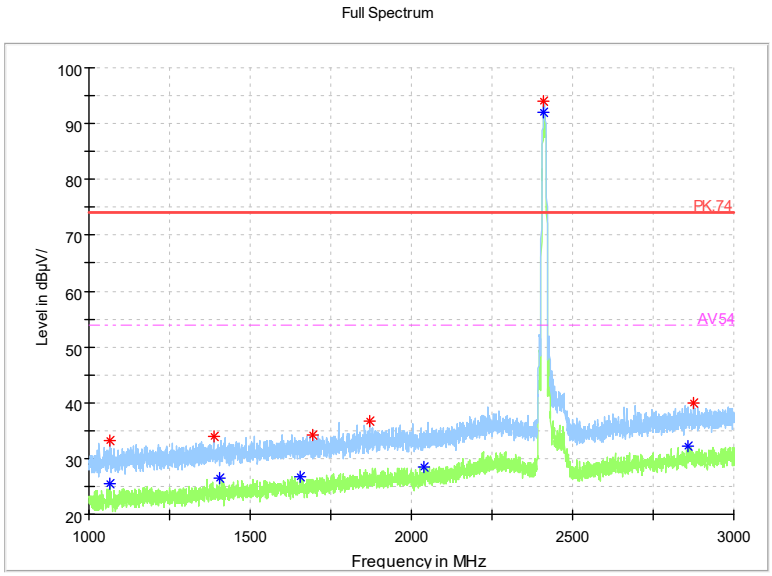
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



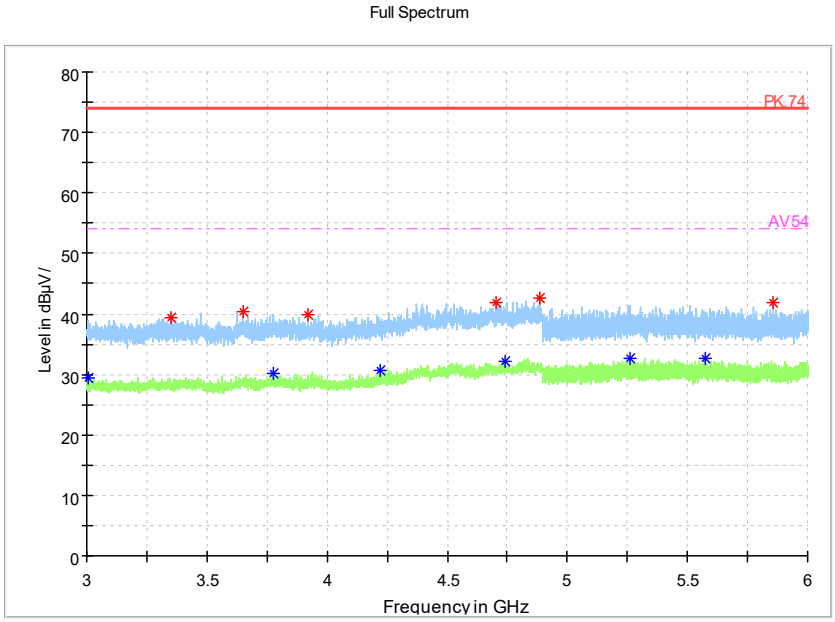
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



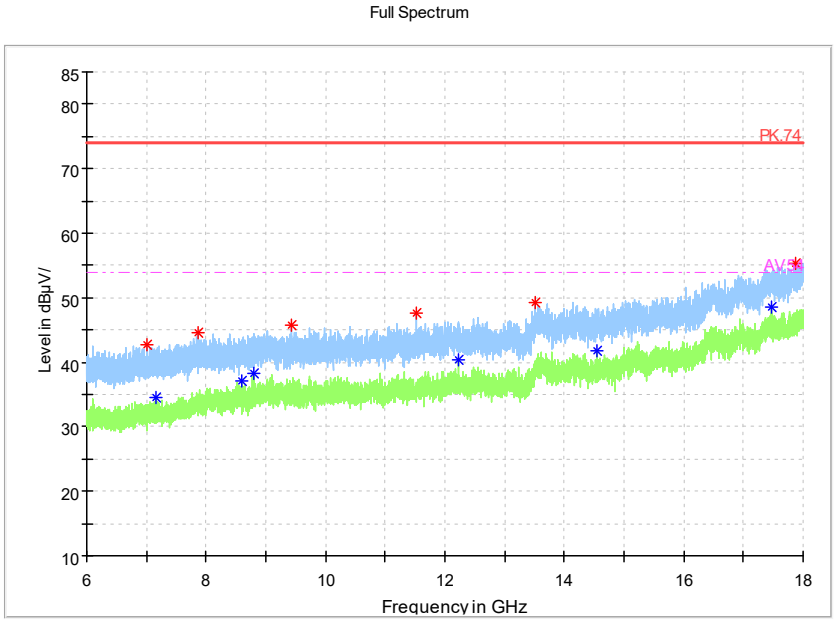
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



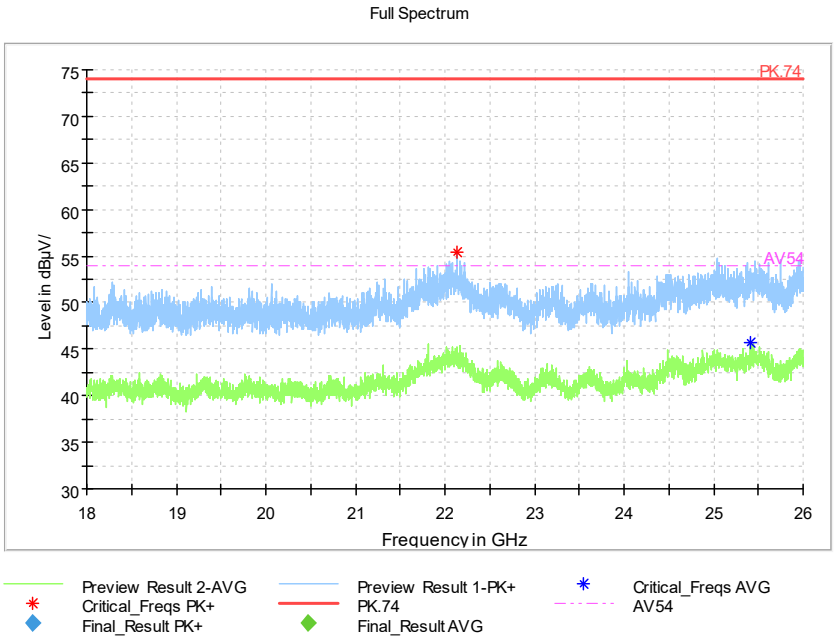
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



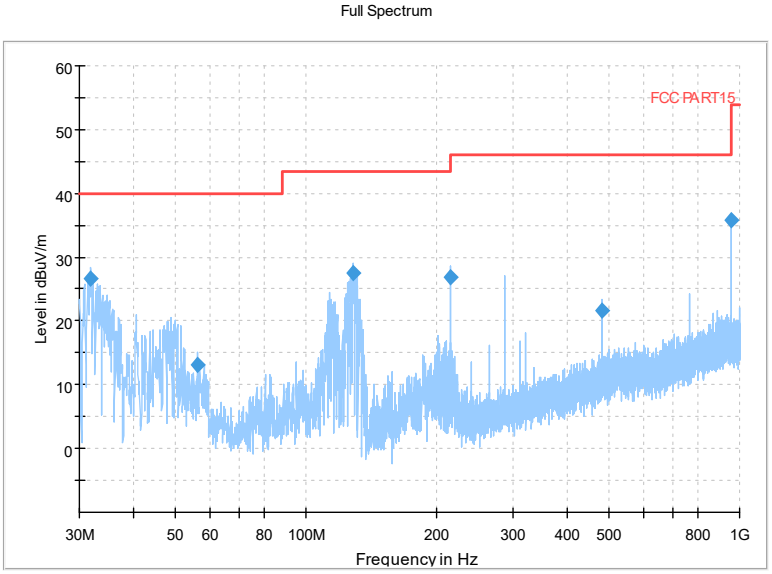
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



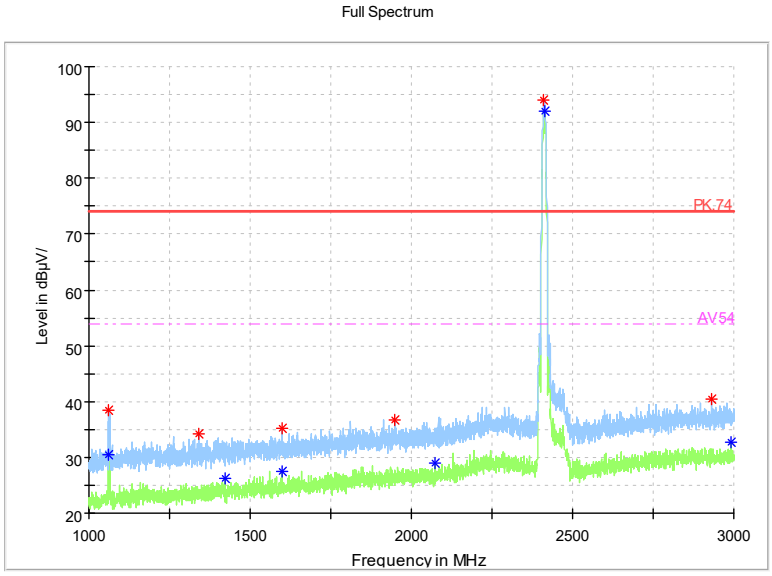
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



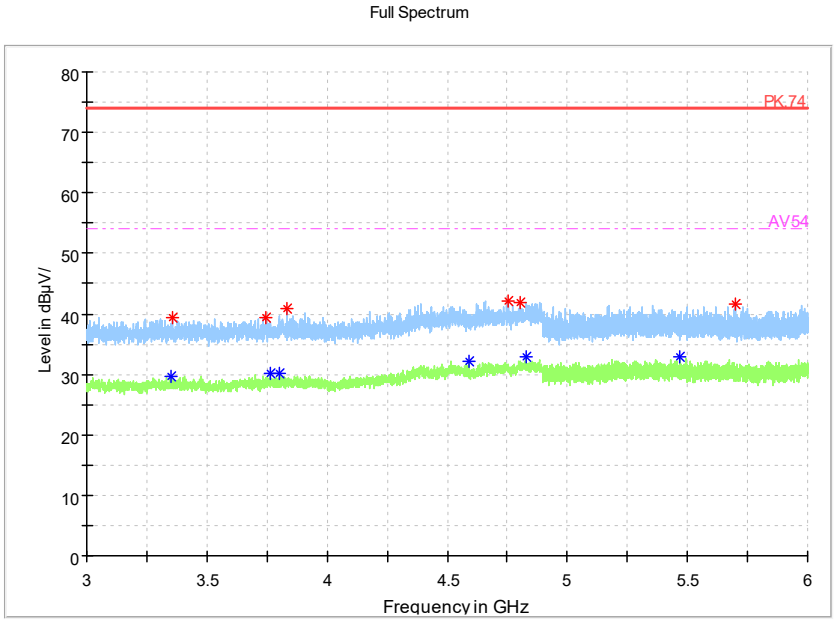
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



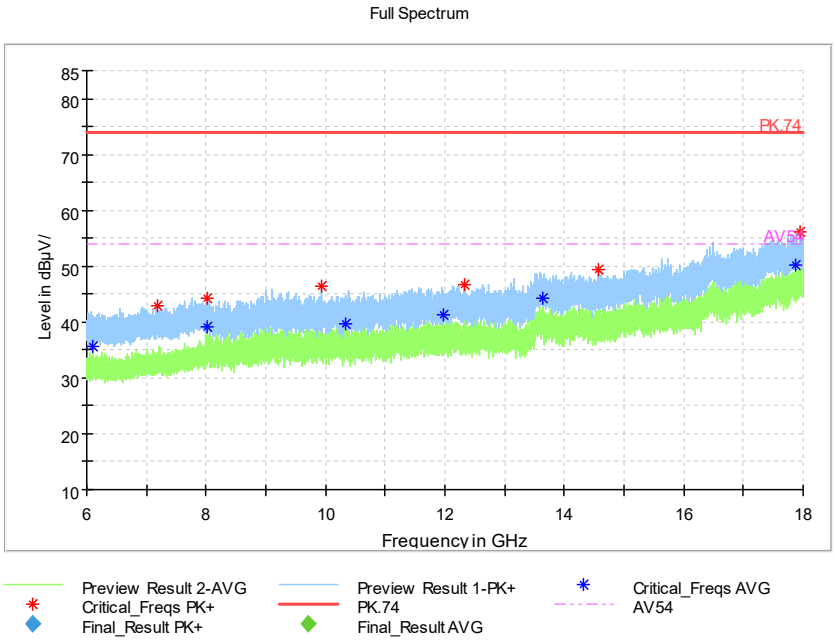
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



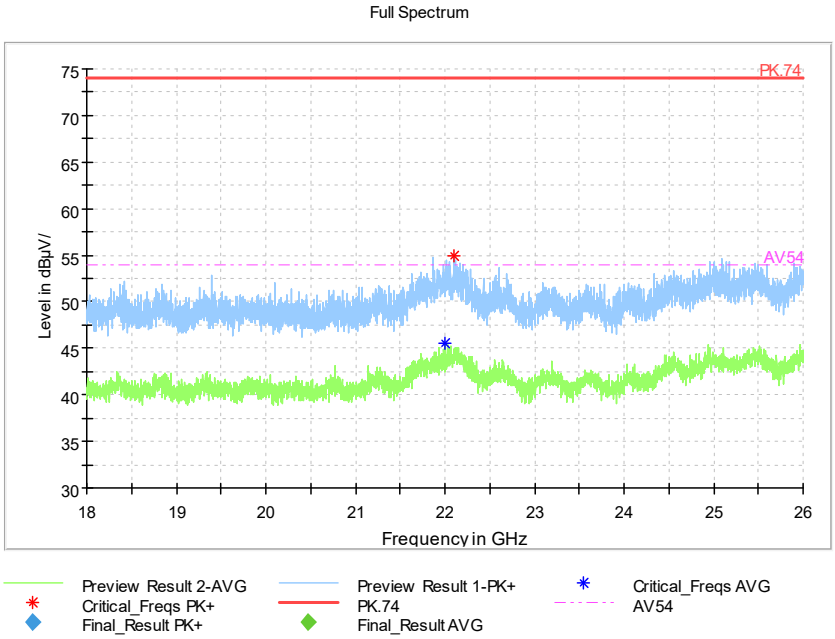
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



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

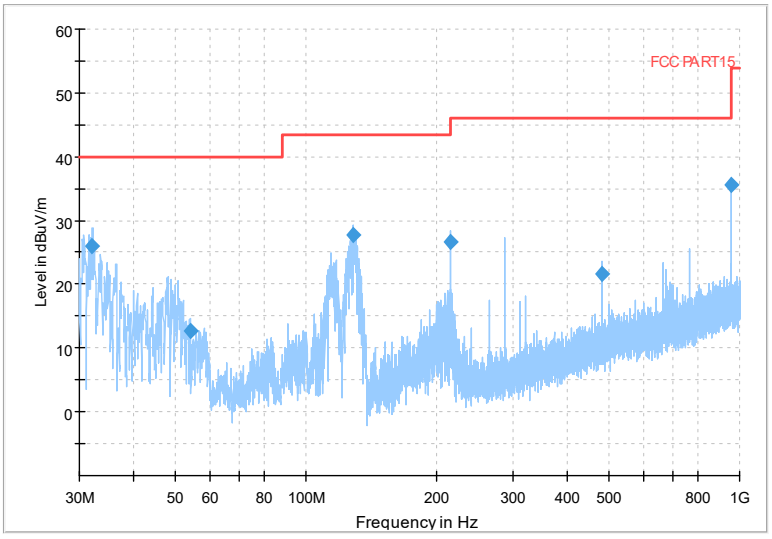


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

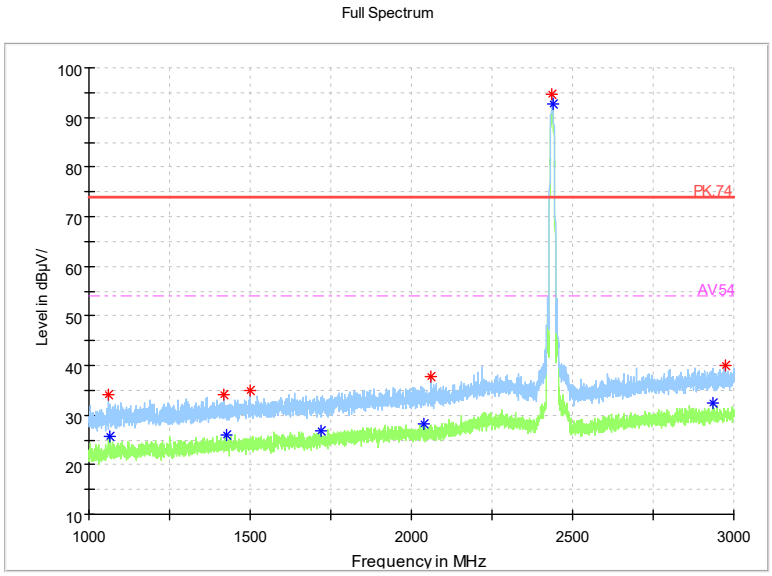


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

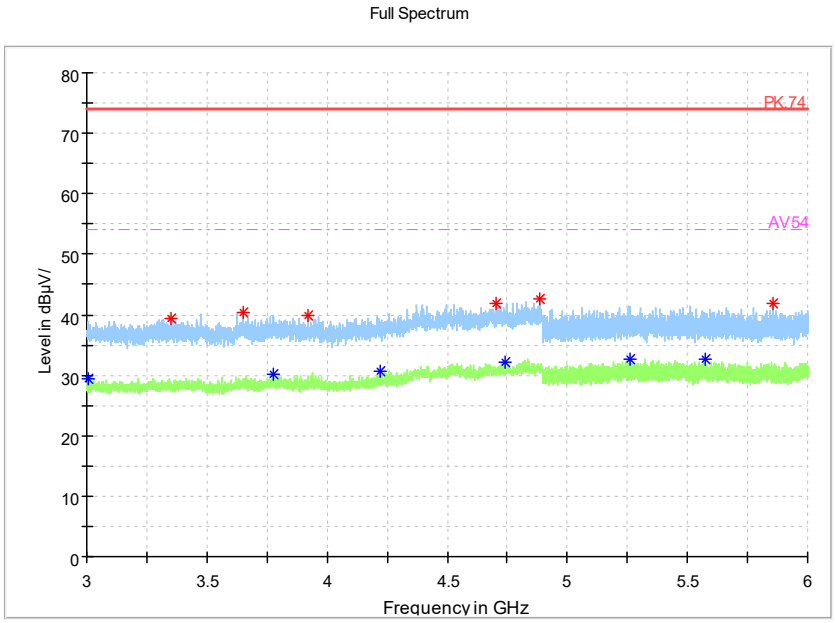
Carrier frequency (MHz): 2437
Channel No.:6



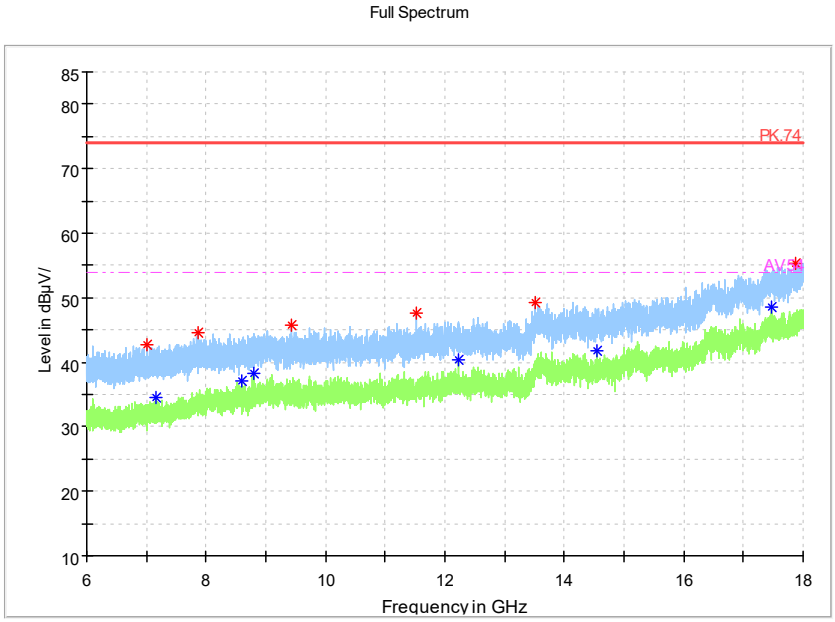
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



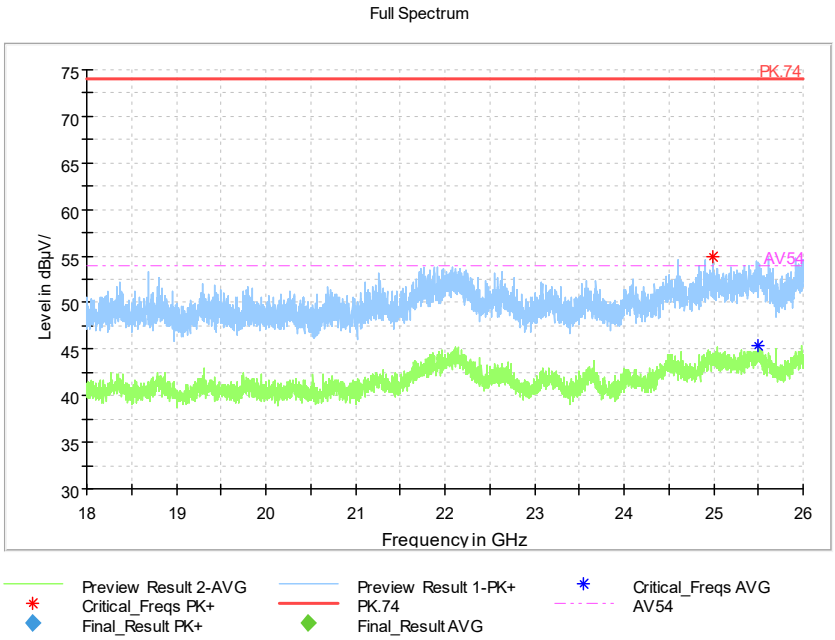
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



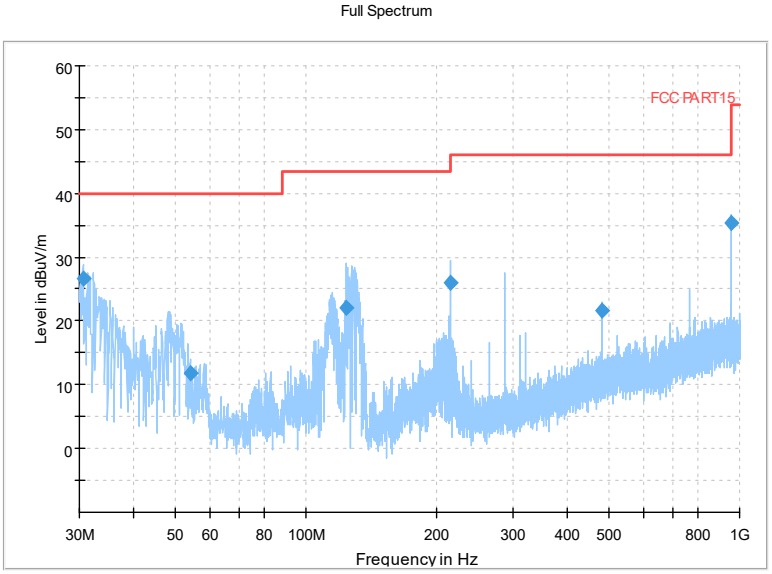
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



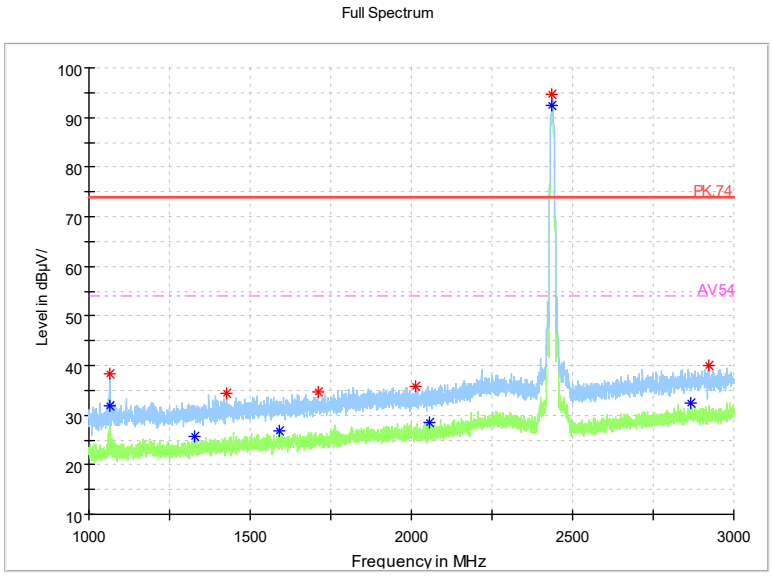
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



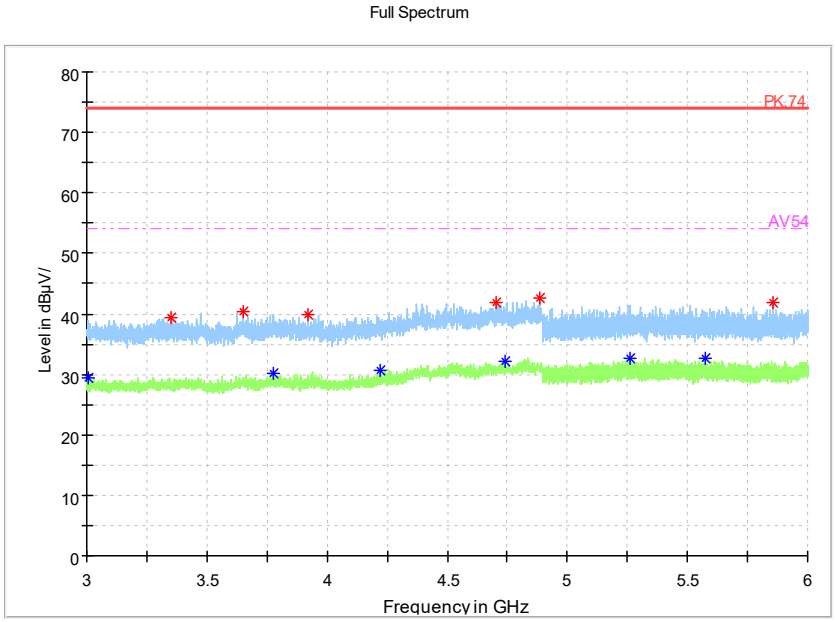
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



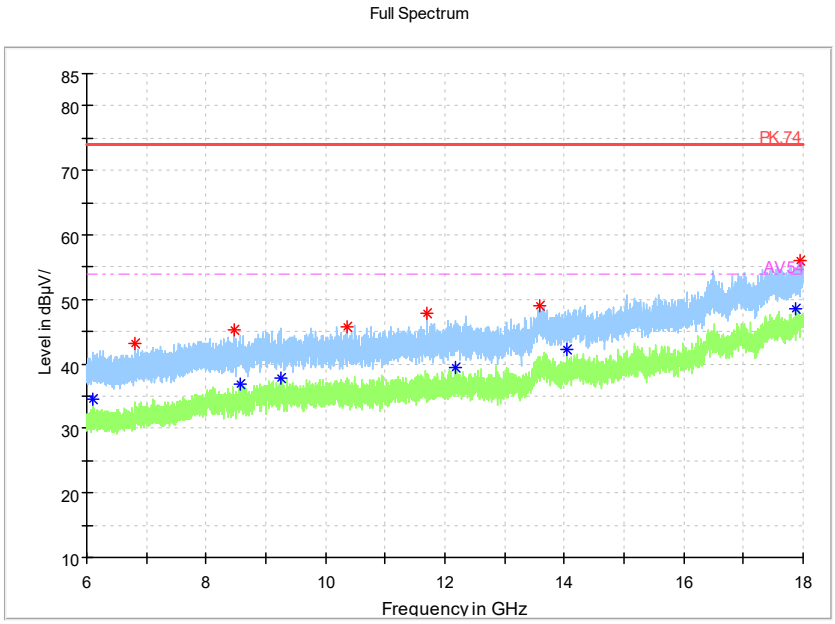
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



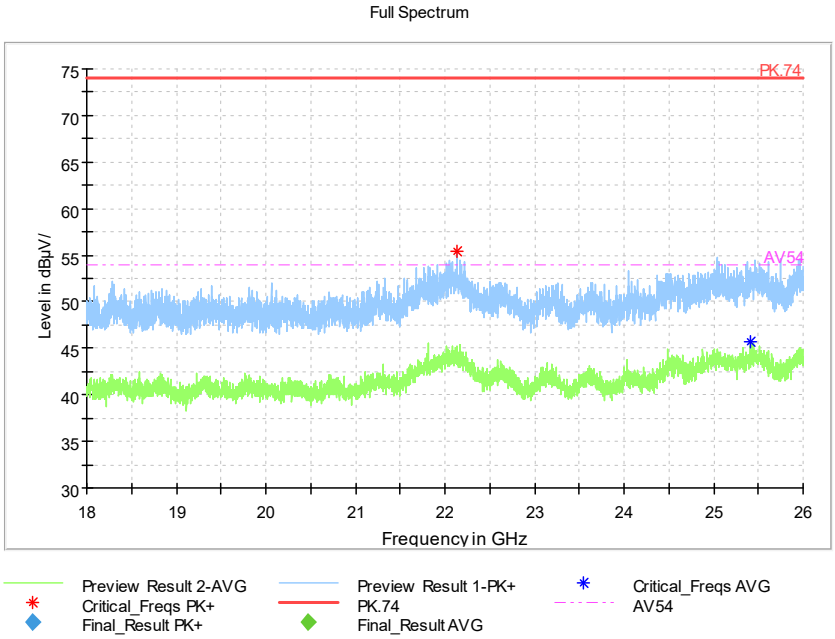
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



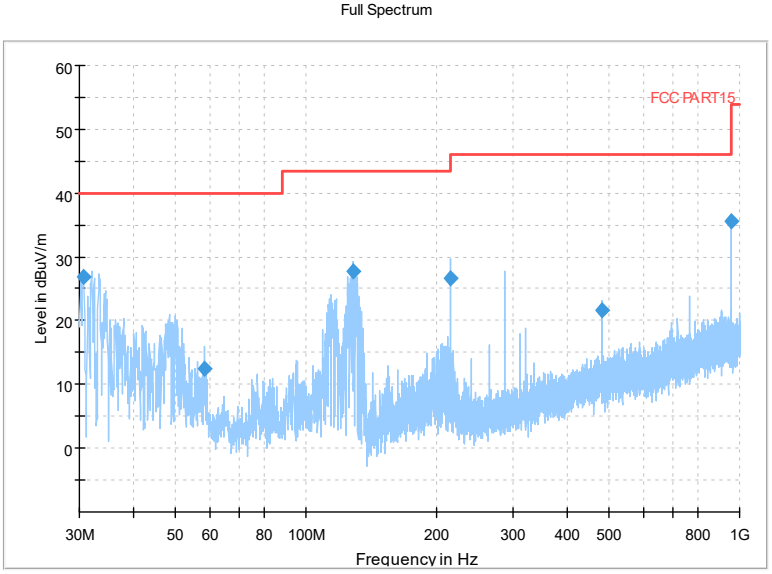
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



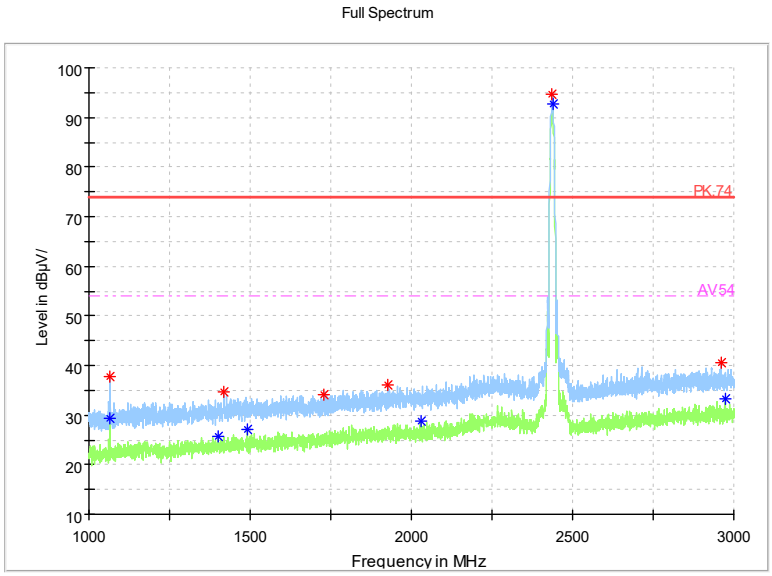
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



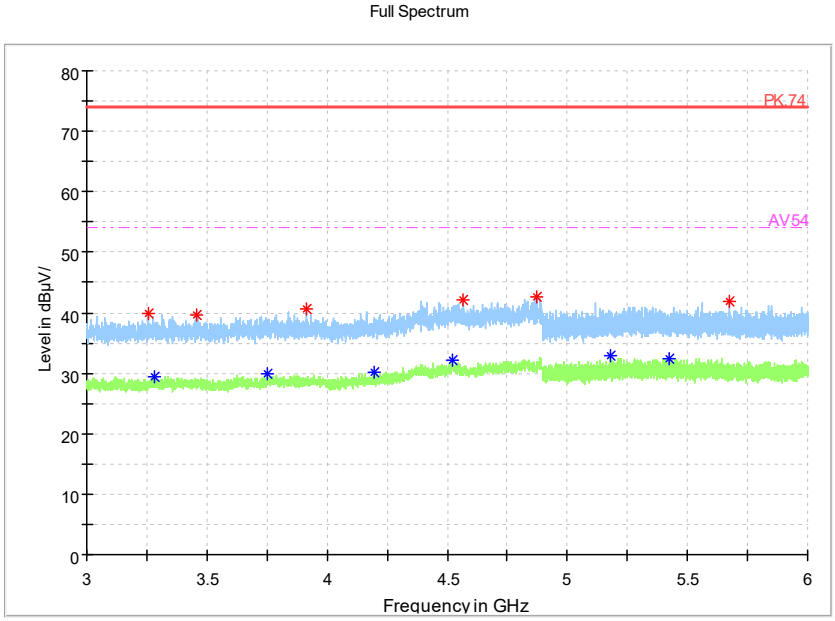
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



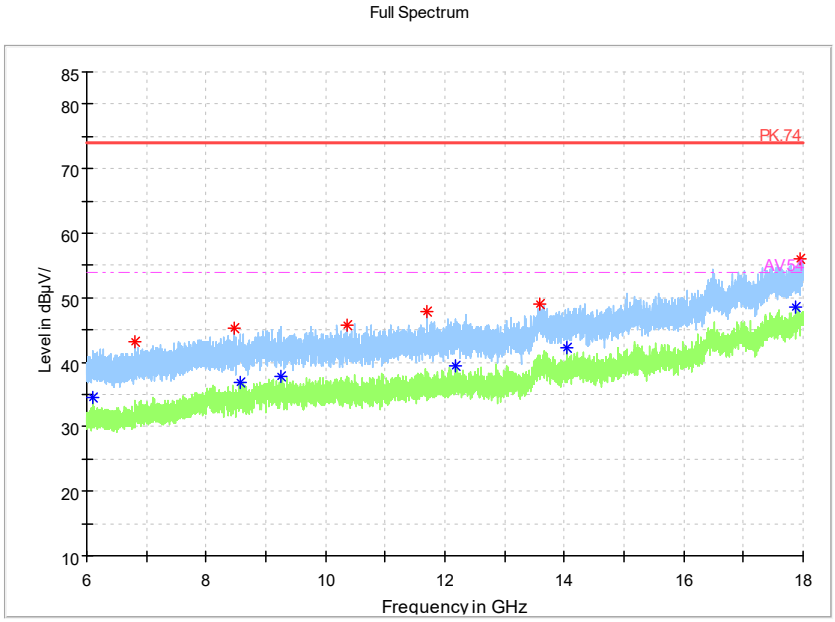
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



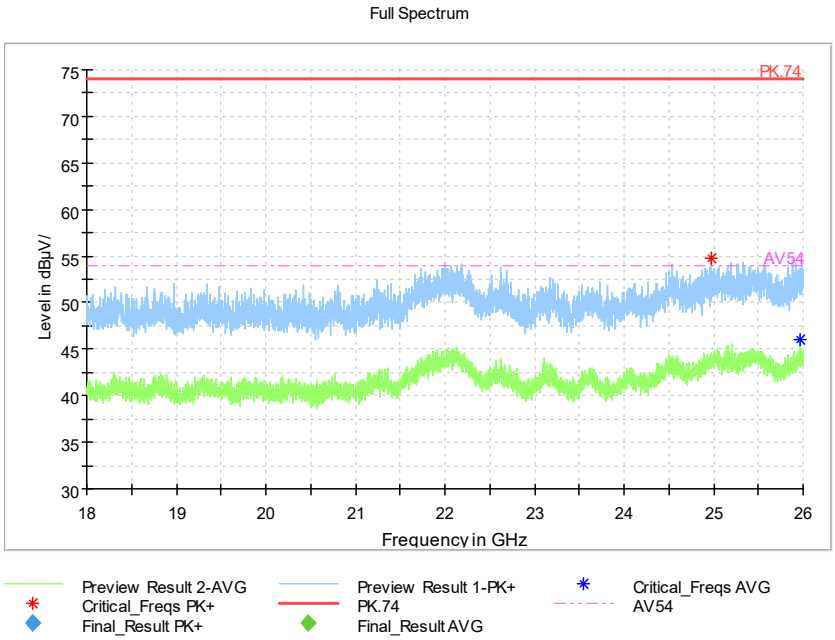
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



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

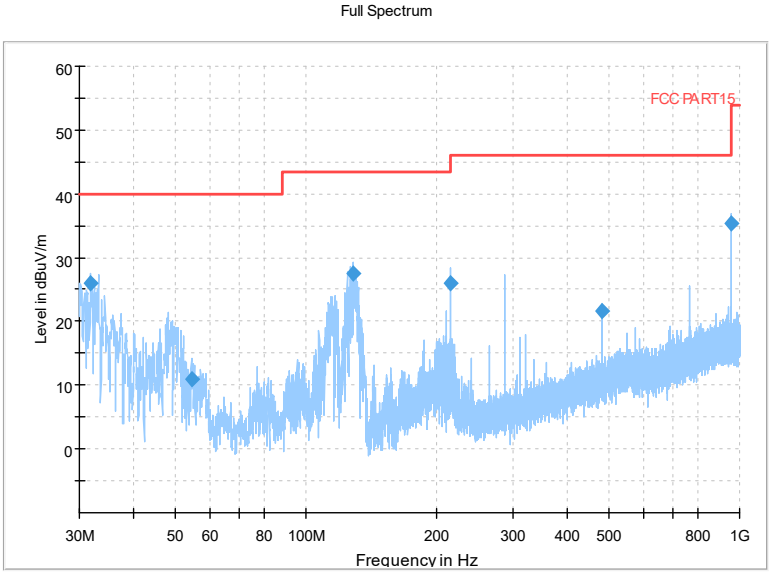


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

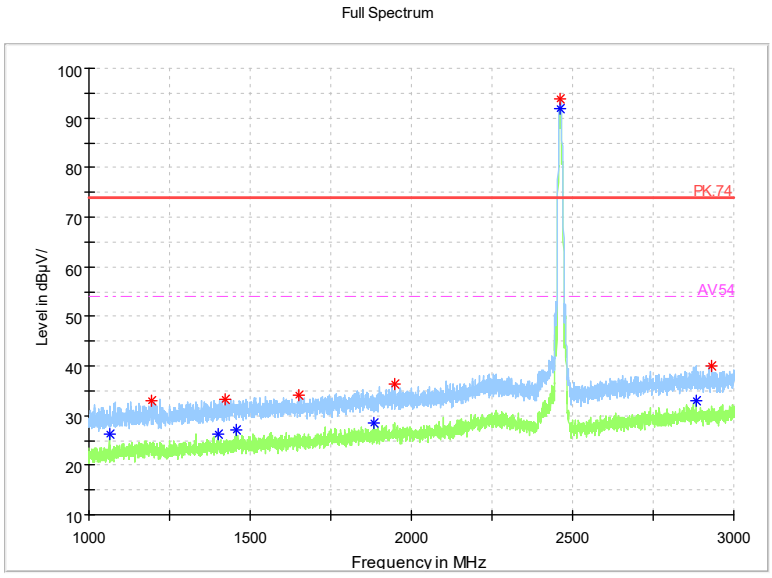


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

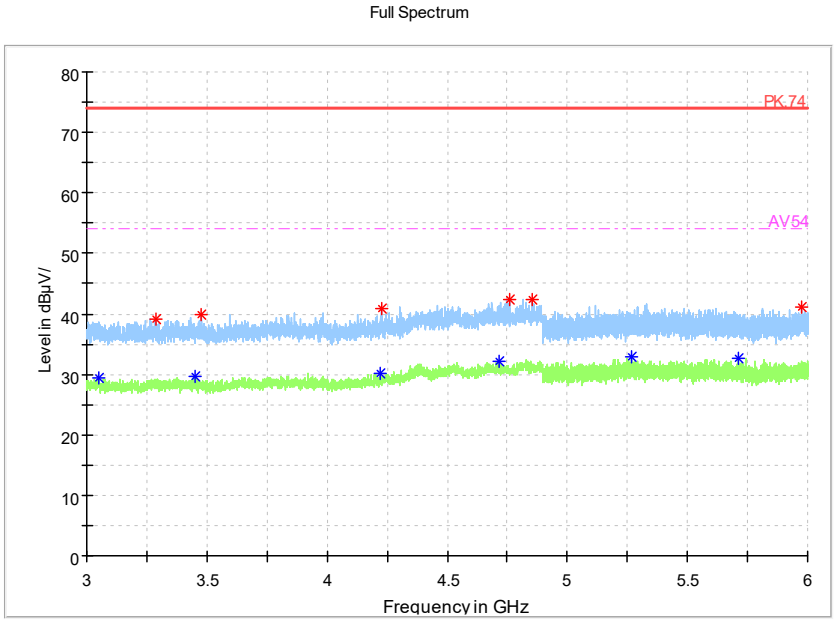
Carrier frequency (MHz): 2462
Channel No.:11



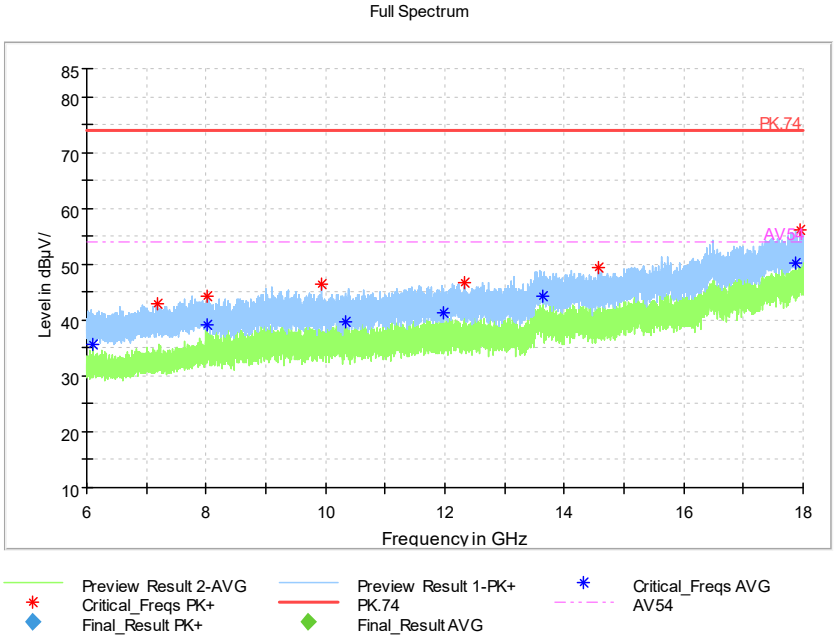
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



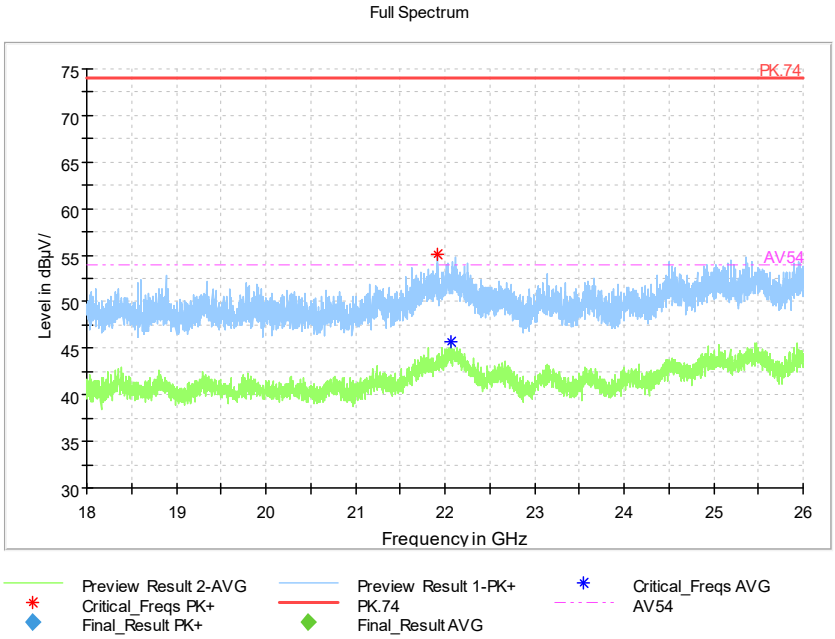
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



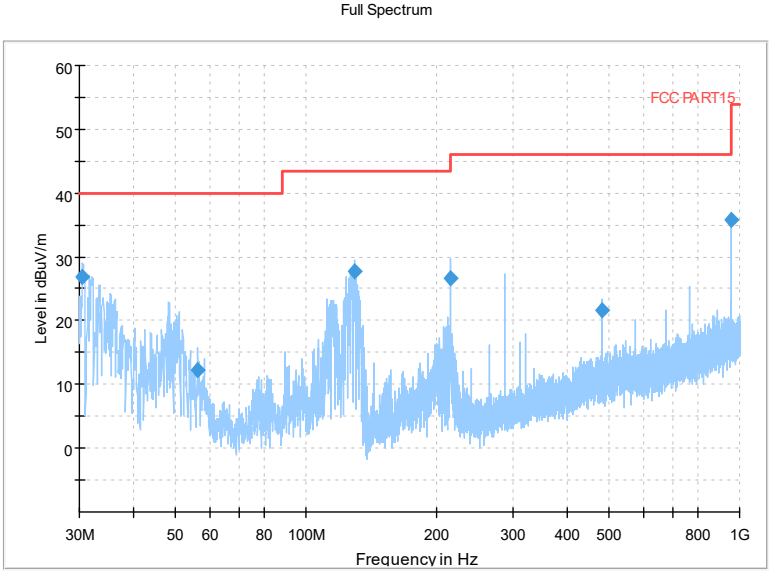
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



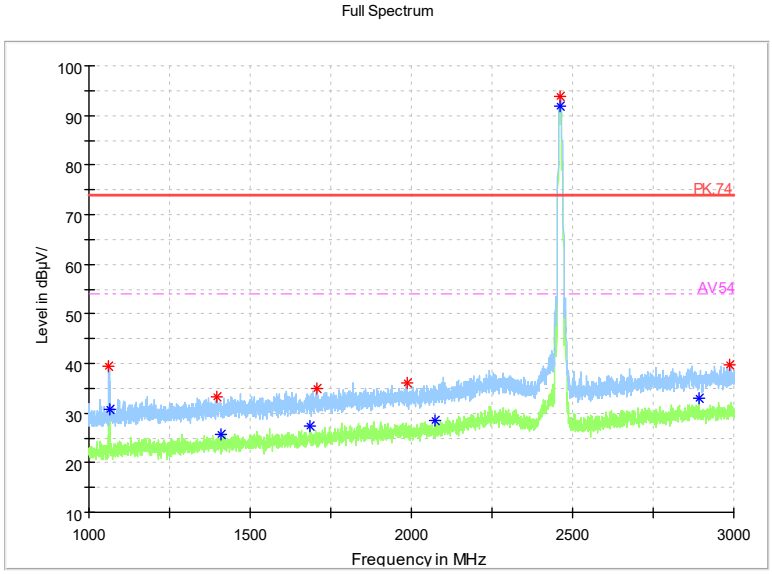
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



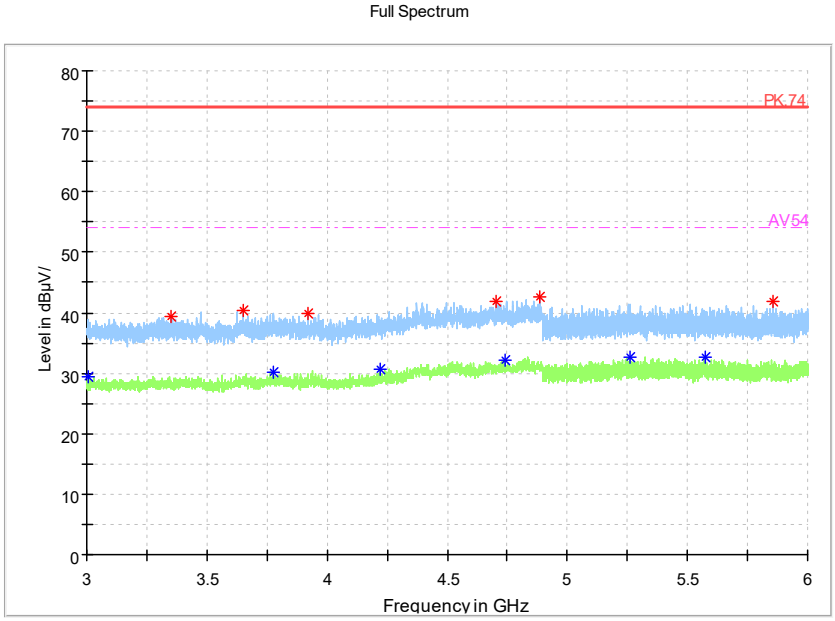
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



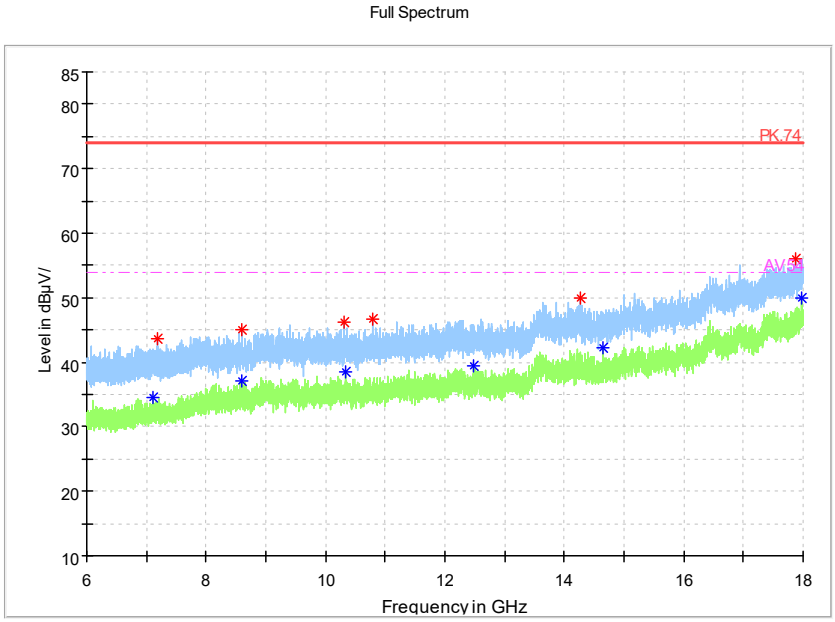
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



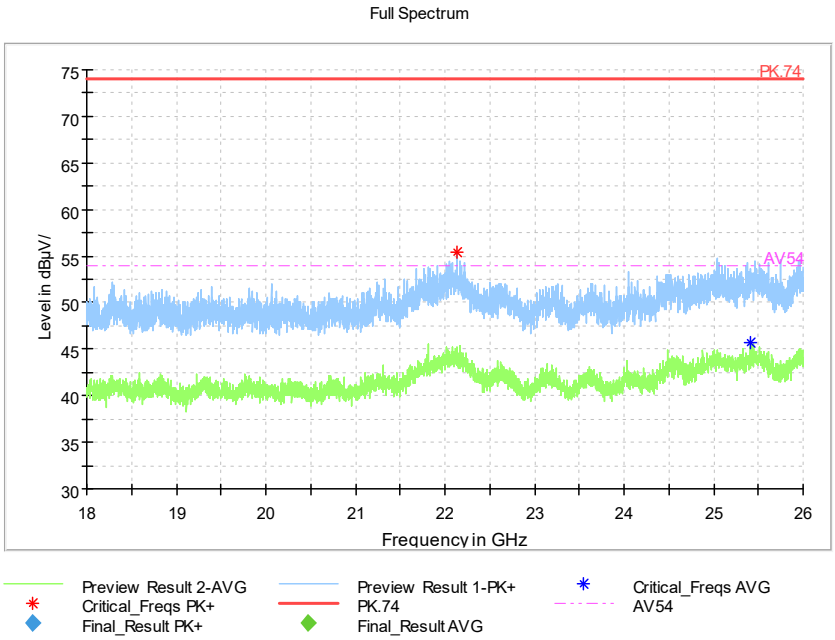
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



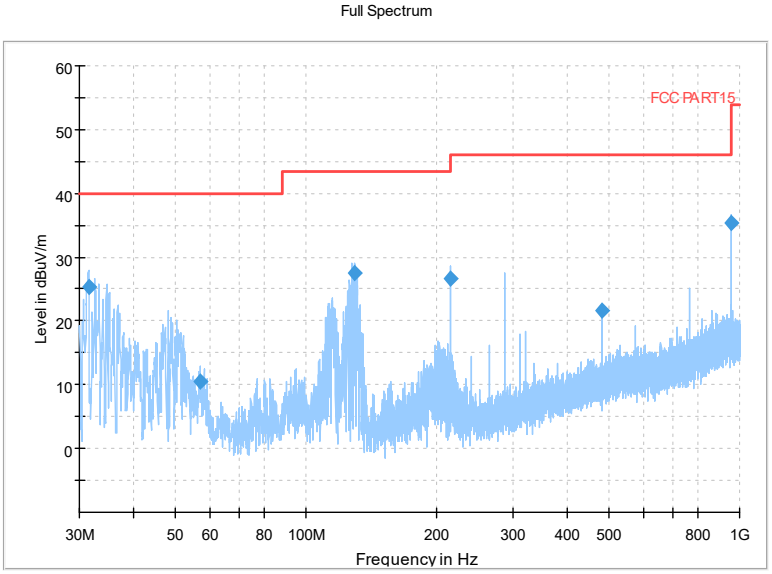
Frequency Range: 3GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



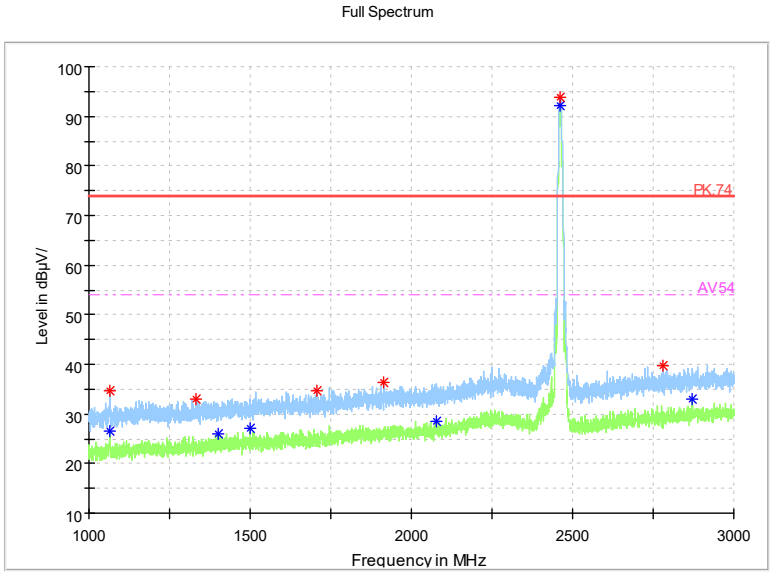
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



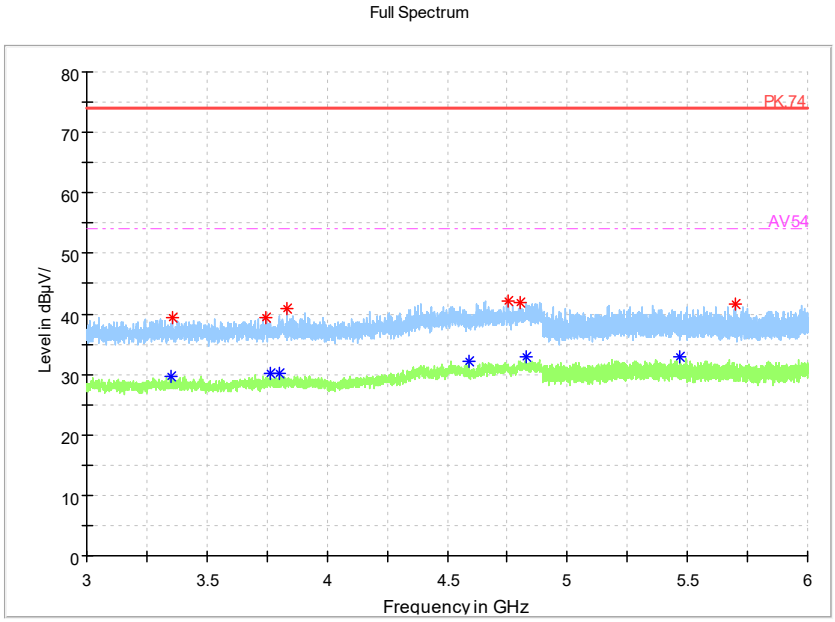
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



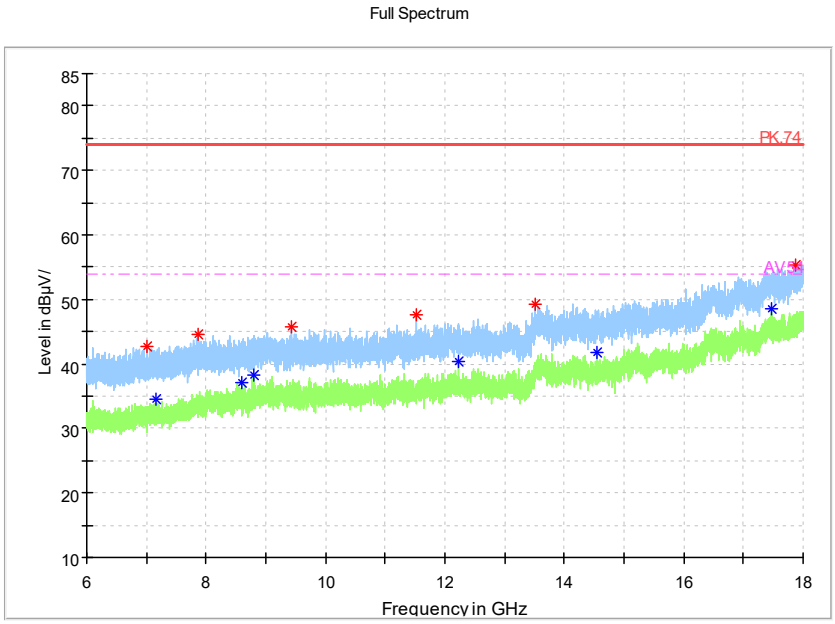
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



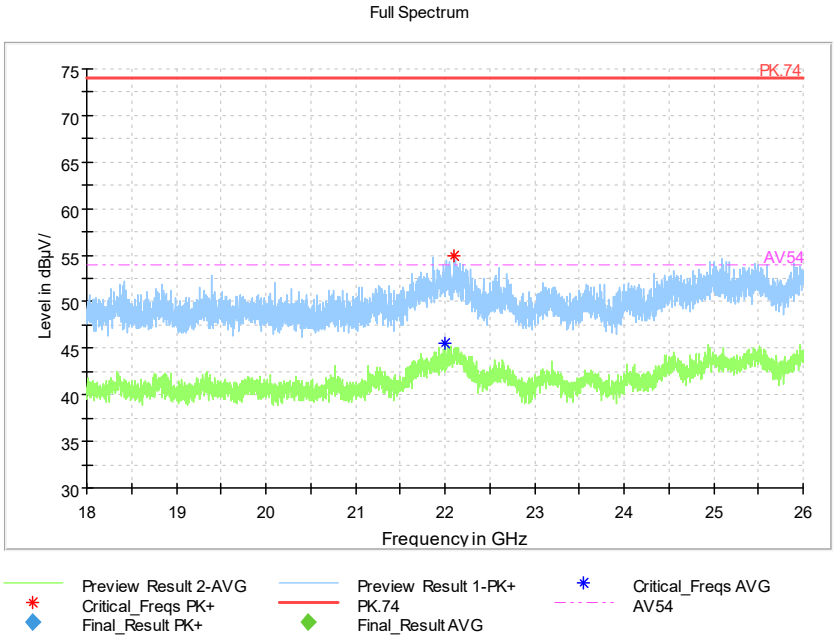
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



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

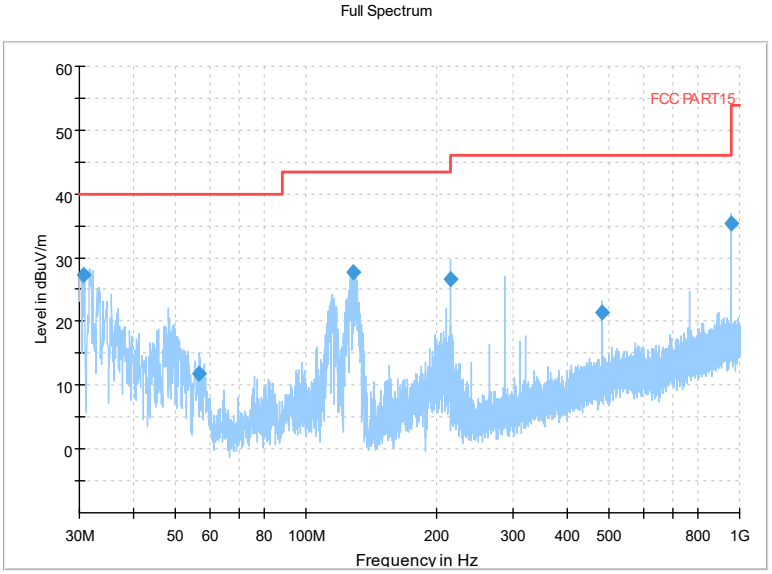


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

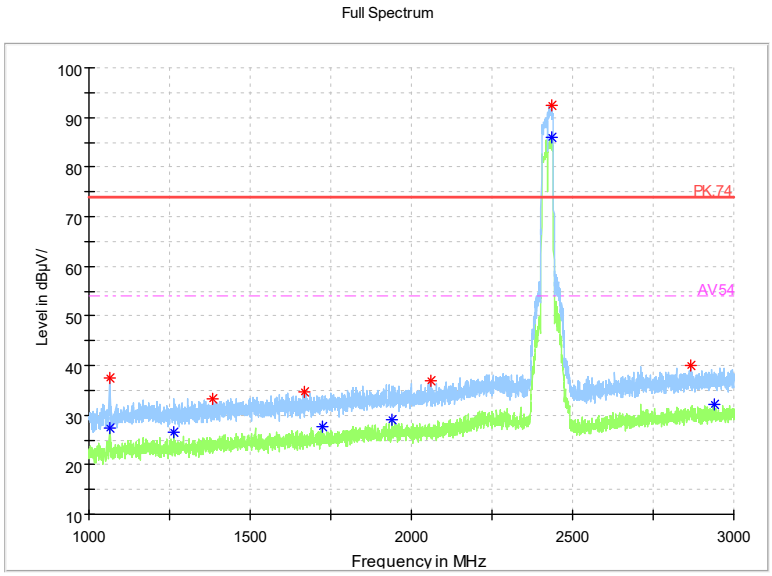


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

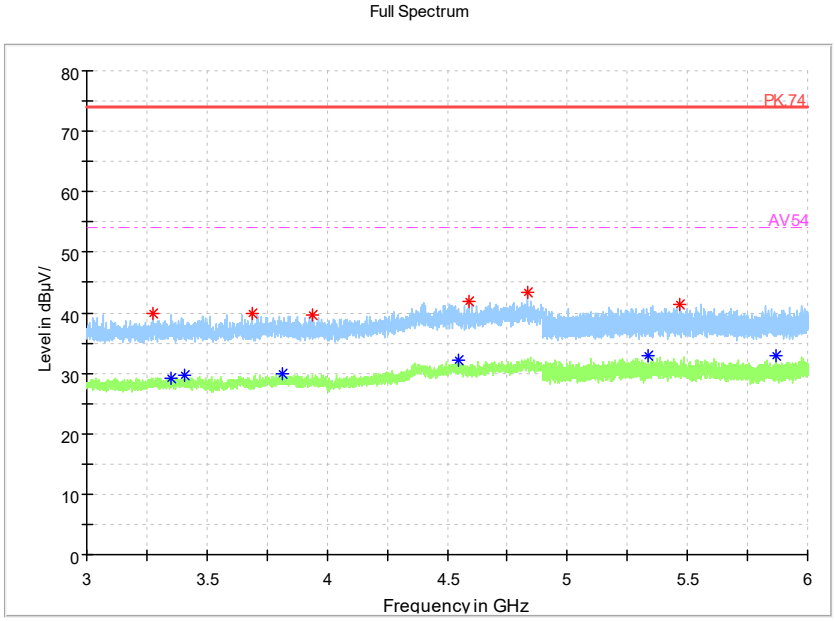
Carrier frequency (MHz): 2422
Channel No.:3



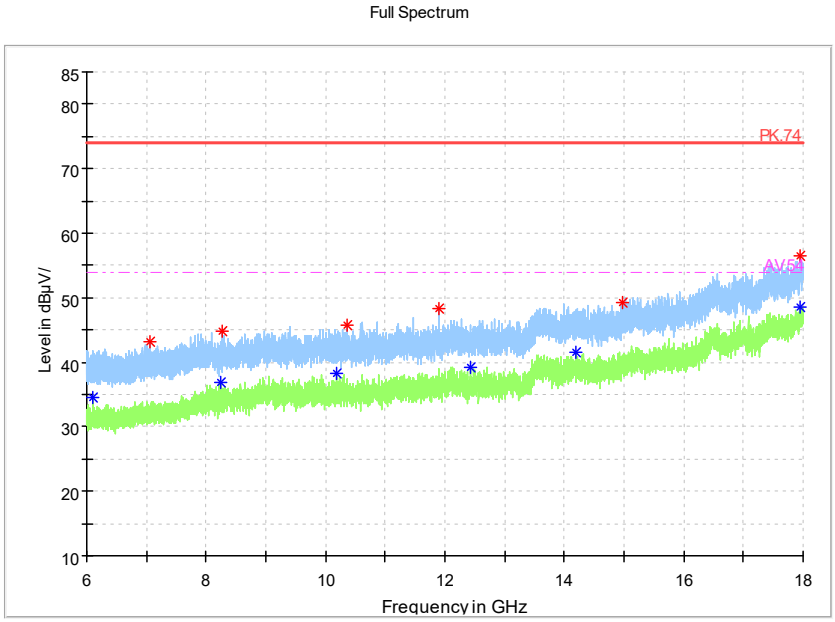
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



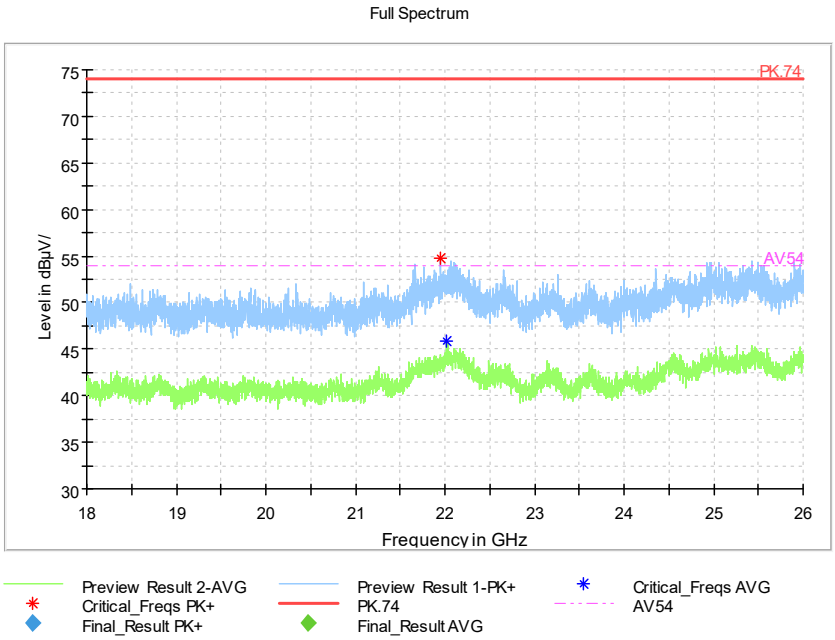
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



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

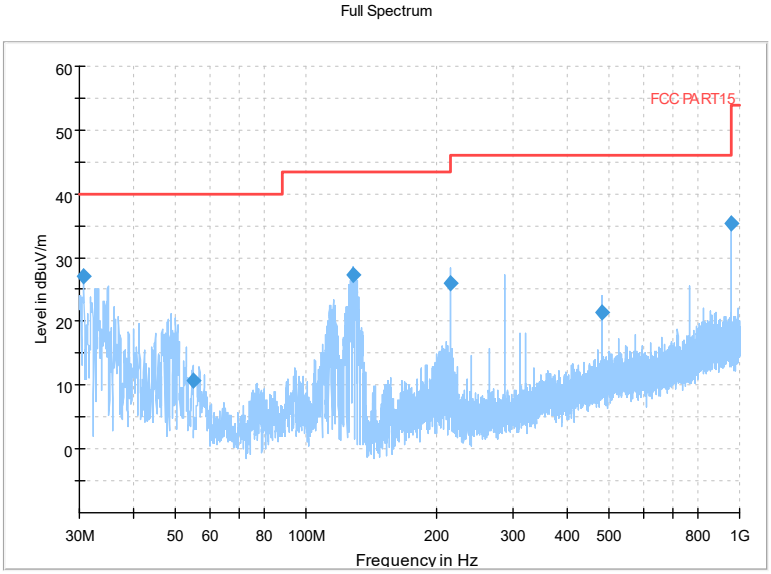


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

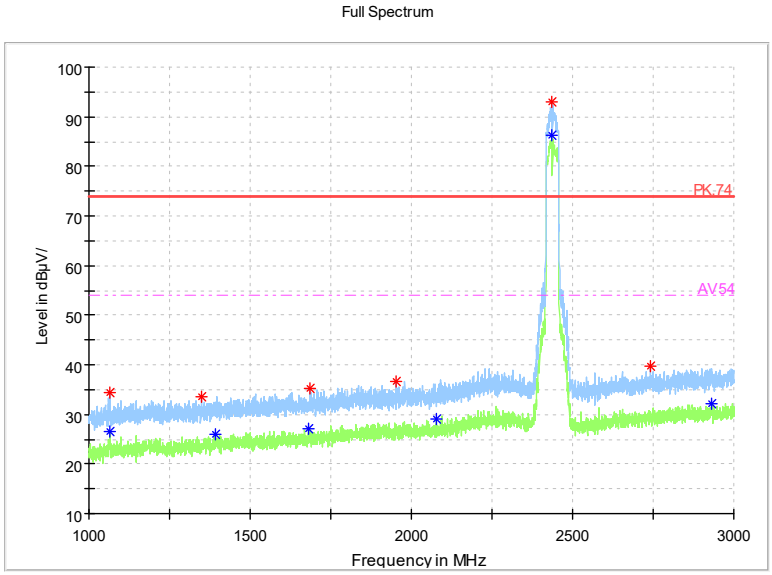


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

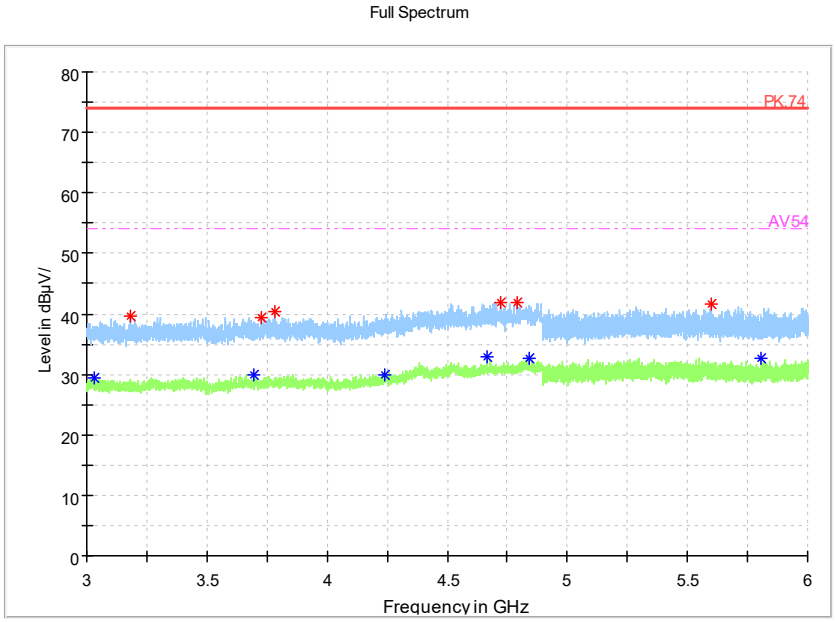
Carrier frequency (MHz): 2437
Channel No.:6



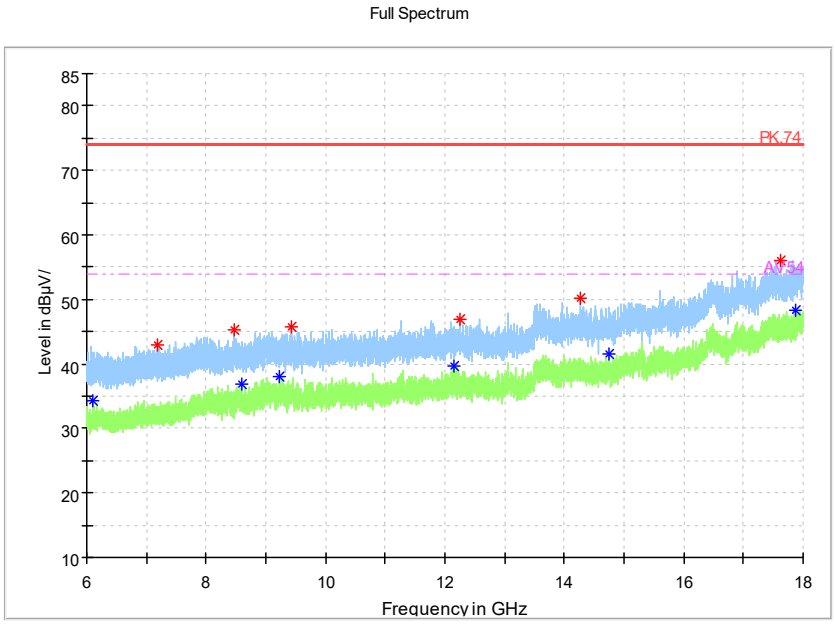
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



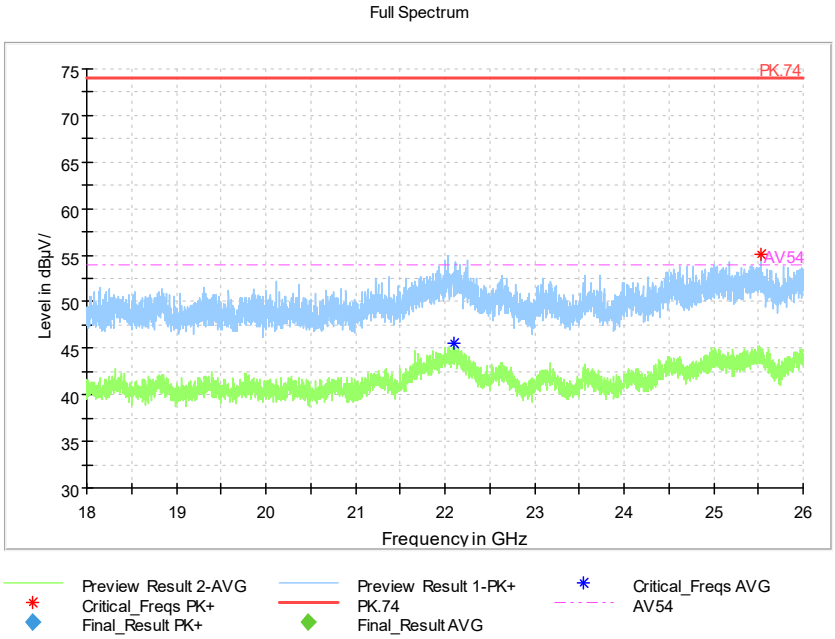
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



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

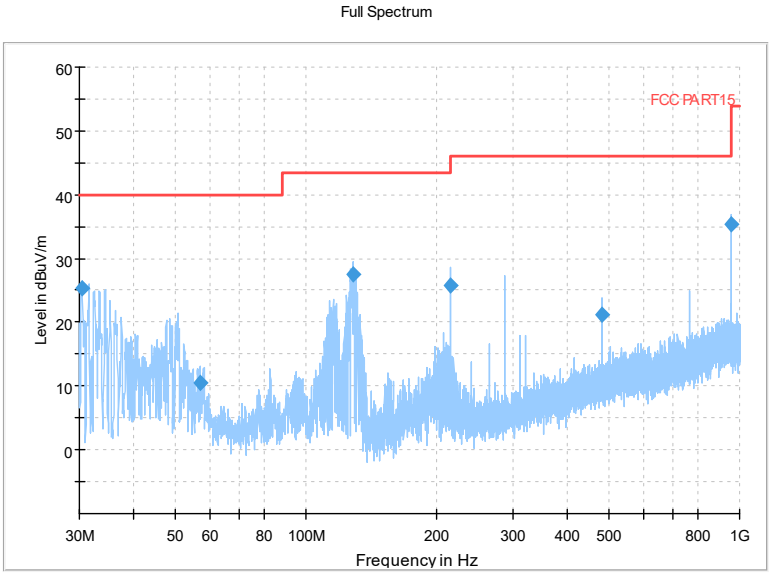


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

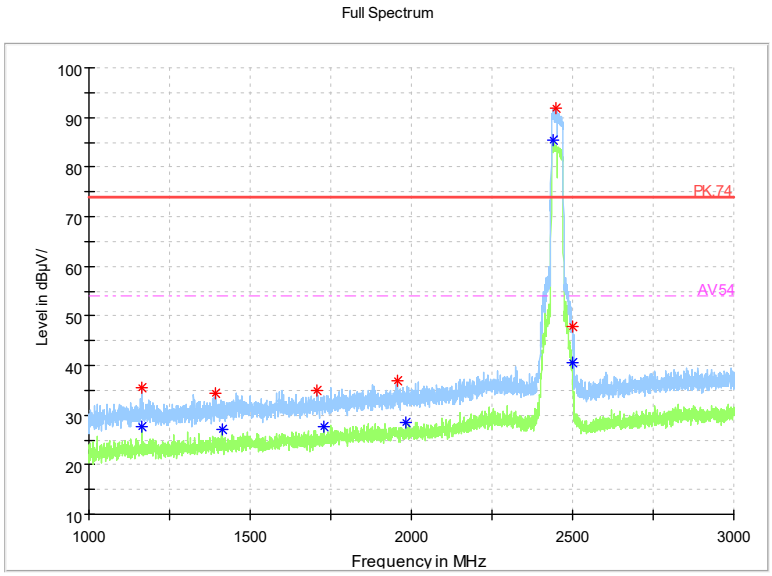


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

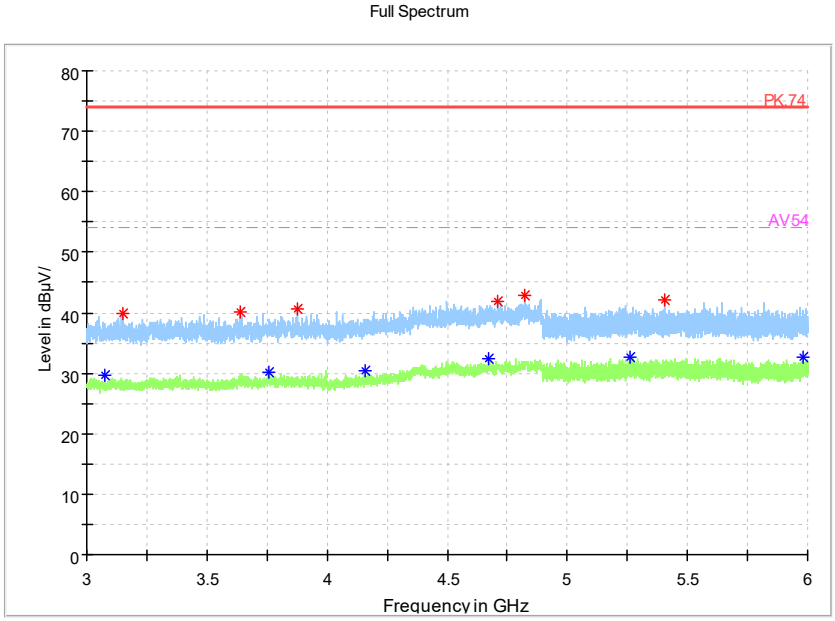
Carrier frequency (MHz): 2452
Channel No.:9



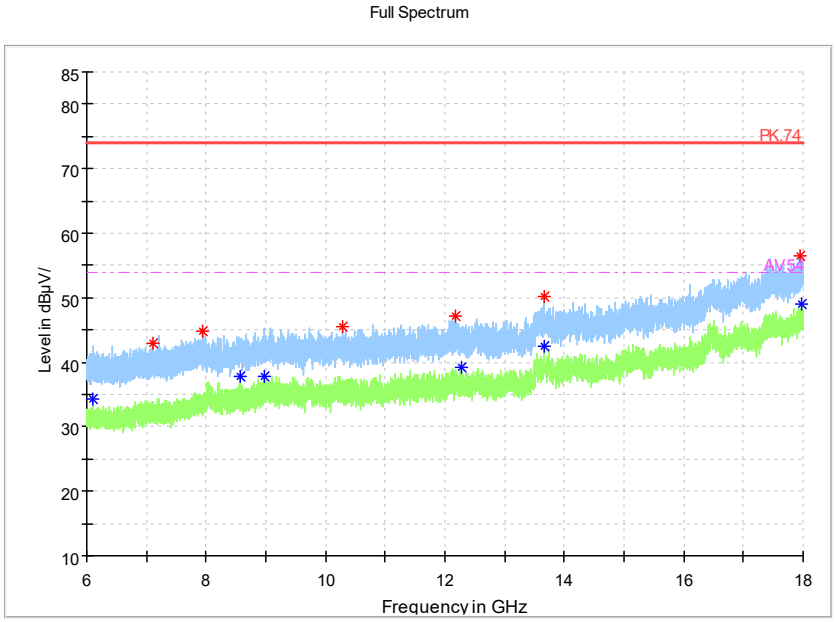
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



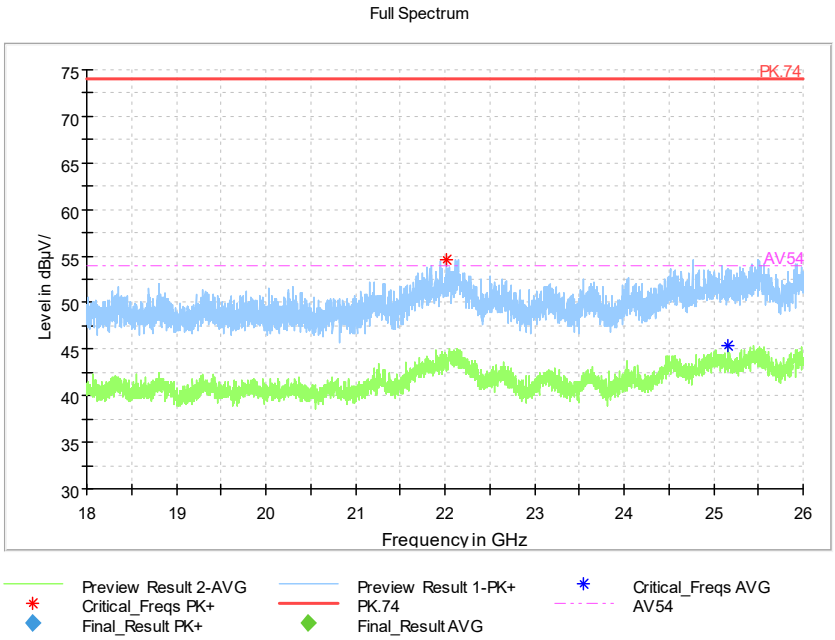
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



Frequency Range: 3GHz -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-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

AC Power line Conducted Emission

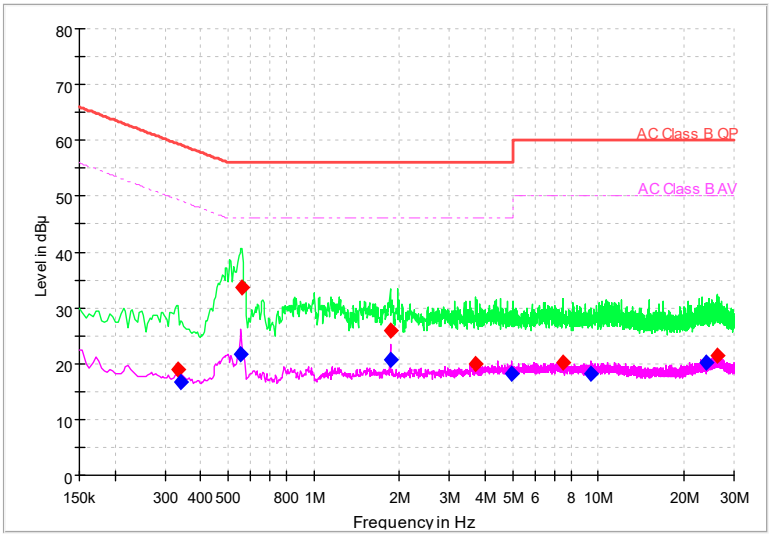
A “reference path loss” Corr.(dB) is established and the L_{cable}+ATT+VDF is the attenuation of ” reference path loss”, and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.

The measurement results are obtained as described below:

$P_{result}=P_{mea}$+ Corr.(dB) （A=C+D，B=C+E）

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P_{mea} QuasiPeak (dBμV)	P_{mea} Average (dBμV)
---	A	B	---	---	---	C	D	E

Full Spectrum



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBμ	Pmea Average (dBμV)
0.333364	19.06	---	59.37	40.31	N	29.8	-10.7	---
0.341893	---	16.64	49.16	32.52	L1	29.8	---	-13.1
0.555107	---	21.76	46.00	24.24	N	29.8	---	-8.04
0.559372	33.68	---	56.00	22.32	L1	29.8	3.88	---
1.859979	---	20.71	46.00	25.29	L1	29.9	---	-9.19
1.859979	25.92	---	56.00	30.08	L1	29.9	-3.98	---
3.693622	19.92	---	56.00	36.08	L1	29.9	-9.98	---
4.951586	---	18.22	46.00	27.78	L1	29.9	---	-11.6
7.544272	20.26	---	60.00	39.74	N	30.0	-9.74	---
9.429086	---	18.07	50.00	31.93	L1	30.0	---	-11.9
23.966036	---	20.26	50.00	29.74	L1	30.1	---	-9.84
26.302864	21.42	---	60.00	38.58	N	30.1	-8.68	---

---End of Test Report---