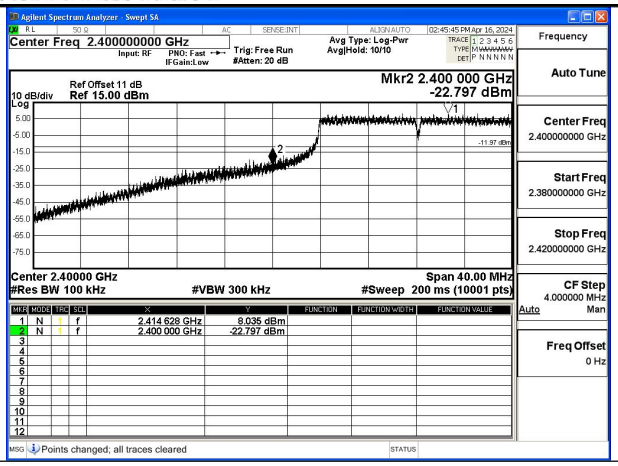
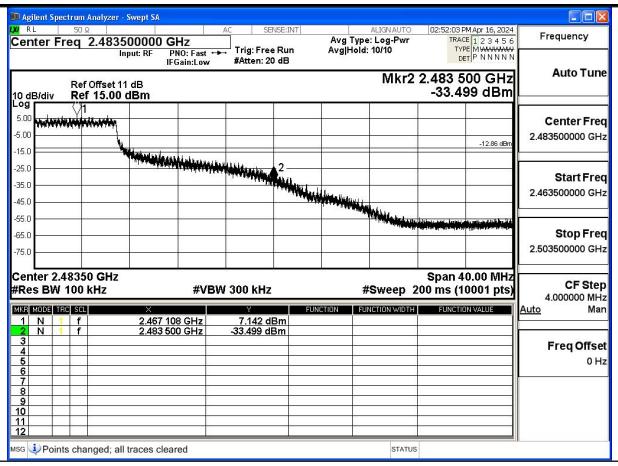
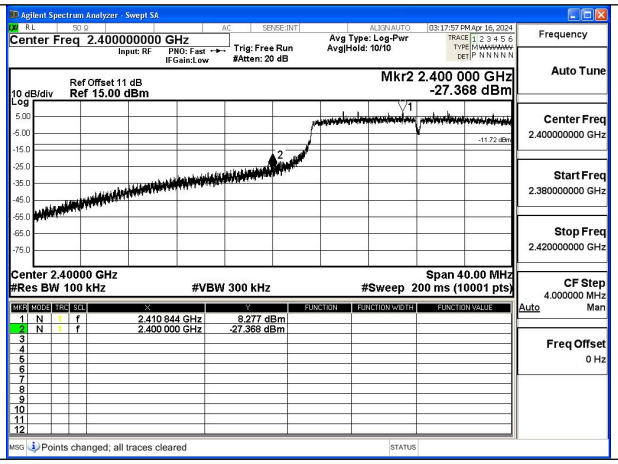


Mode:802.11g Frequency:2412MHz Ant:Chain1

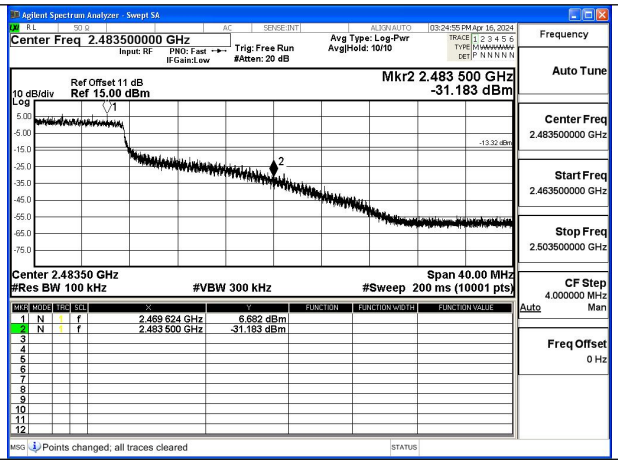


Mode:802.11g Frequency:2462MHz Ant:Chain1

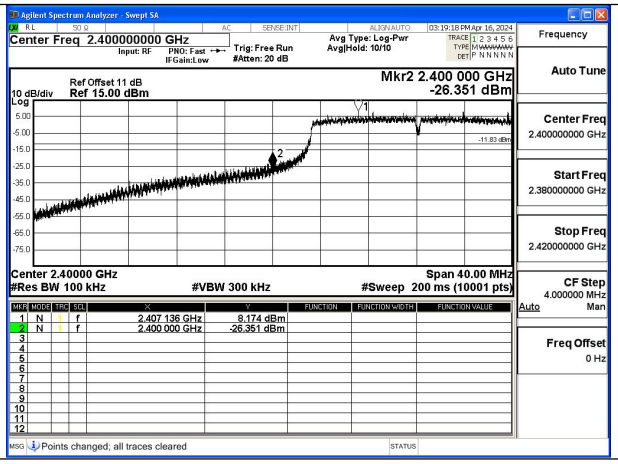
Test Mode: 802.11n HT20



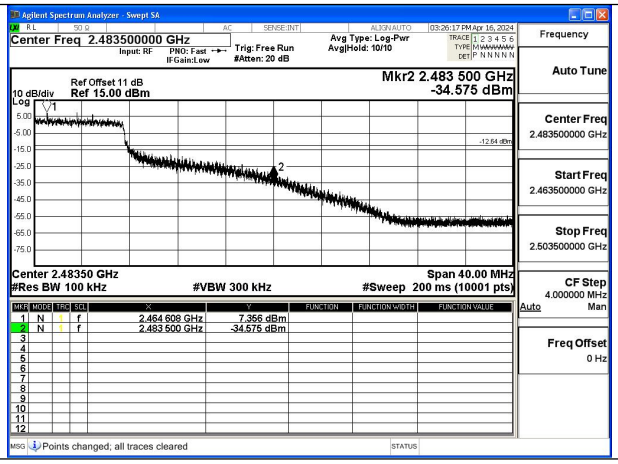
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0



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

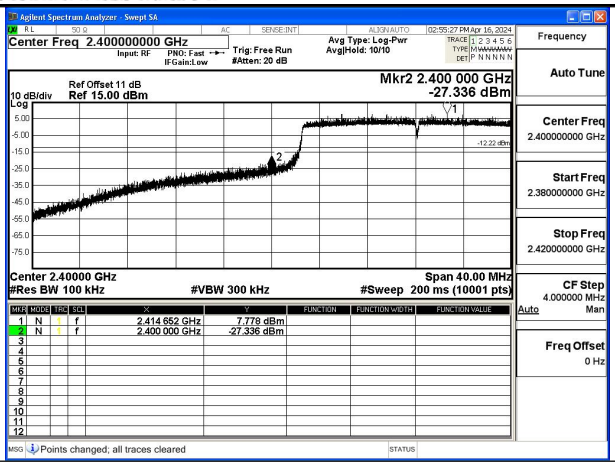


Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1

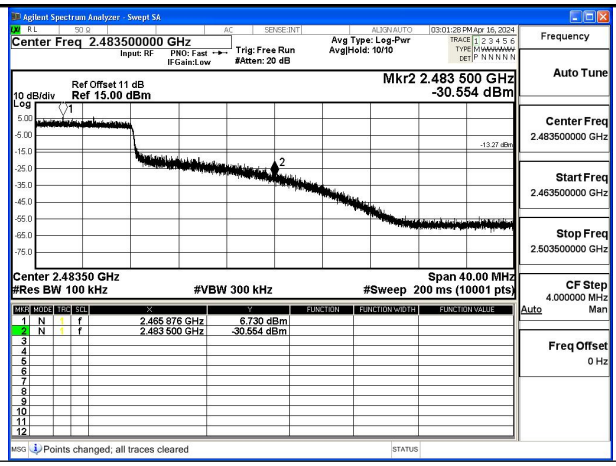


Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

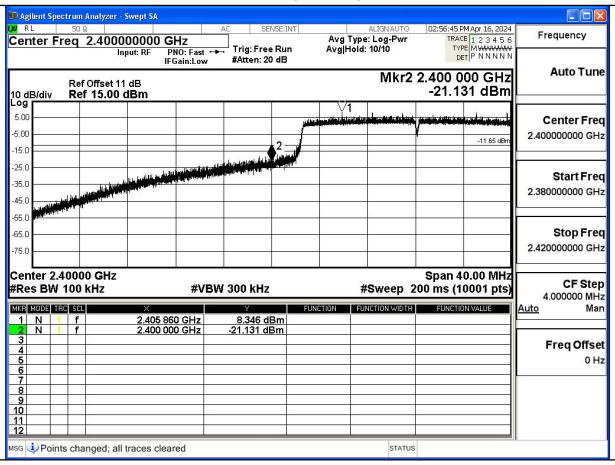
Test Mode: 802.11ax HE20



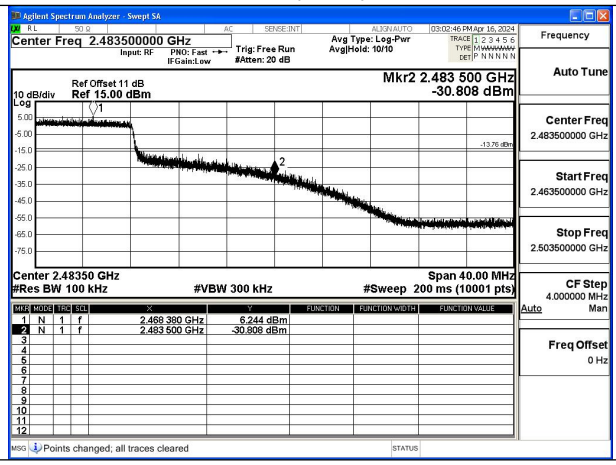
Mode:802.11ax HE20 Frequency:2412MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:2462MHz Ant:Chain0

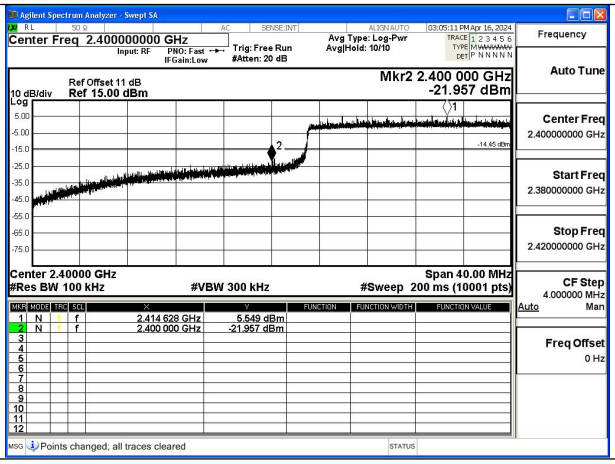


Mode:802.11ax HE20 Frequency:2412MHz Ant:Chain1

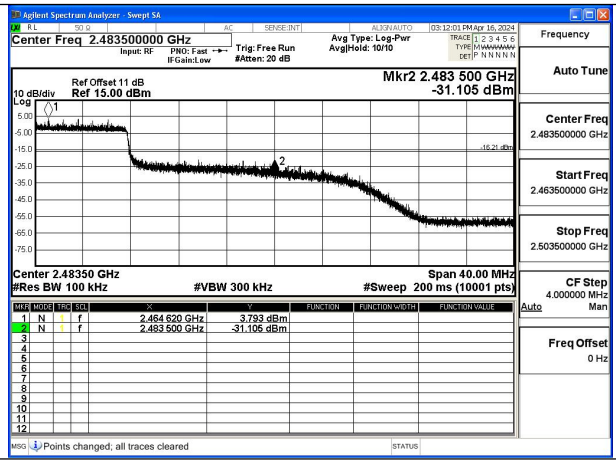


Mode:802.11ax HE20 Frequency:2462MHz Ant:Chain1

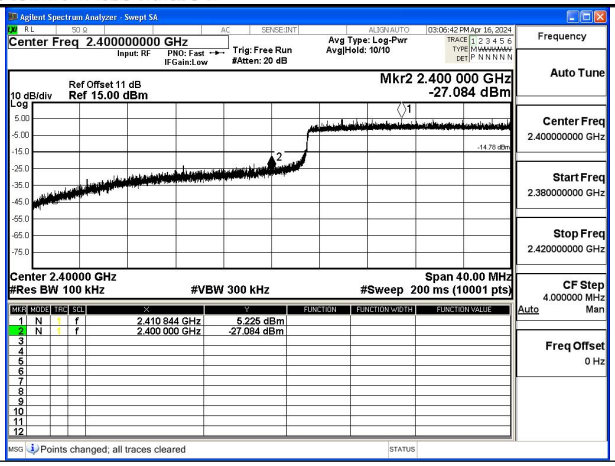
Test Mode: 802.11ax HE40



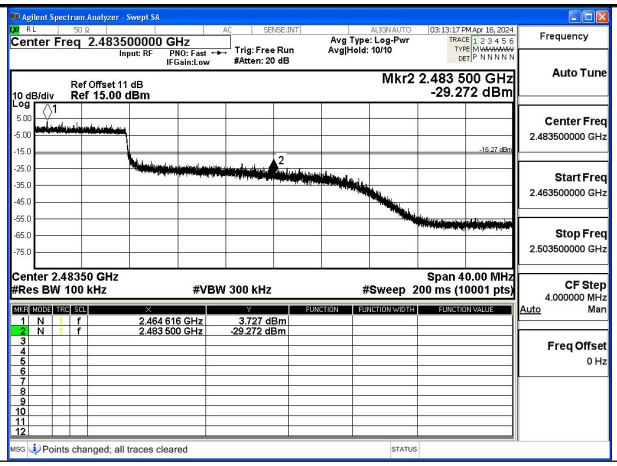
Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain0

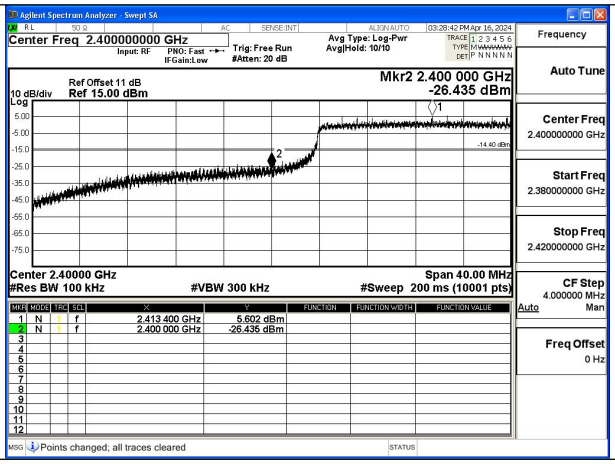


Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain1

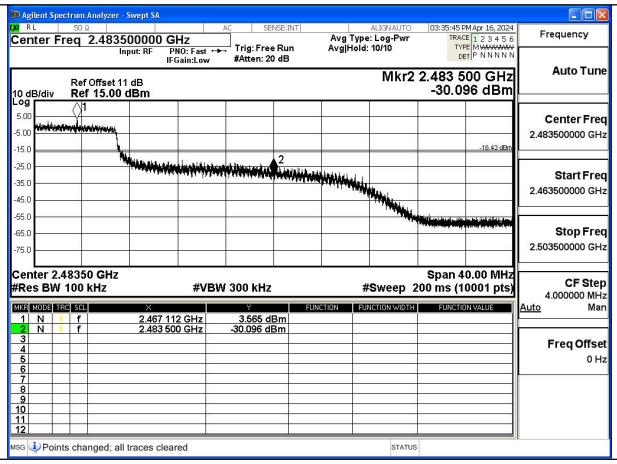


Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain1

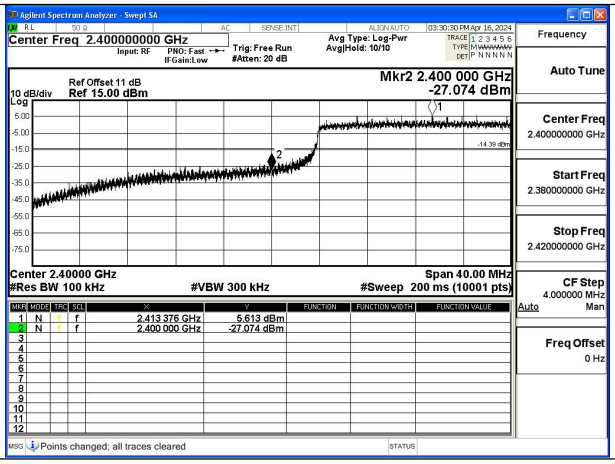
Test Mode: 802.11n HT40



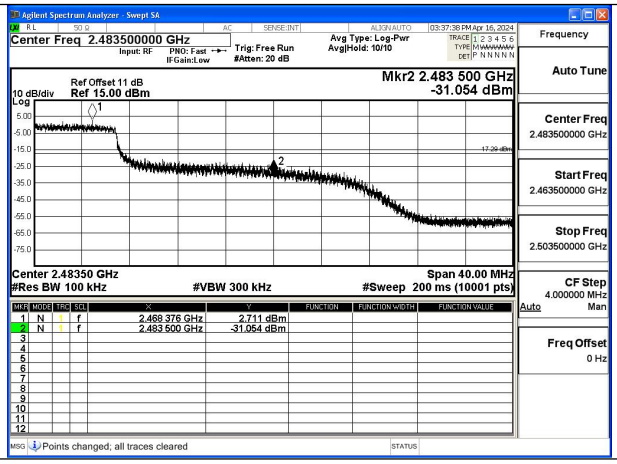
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0



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



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



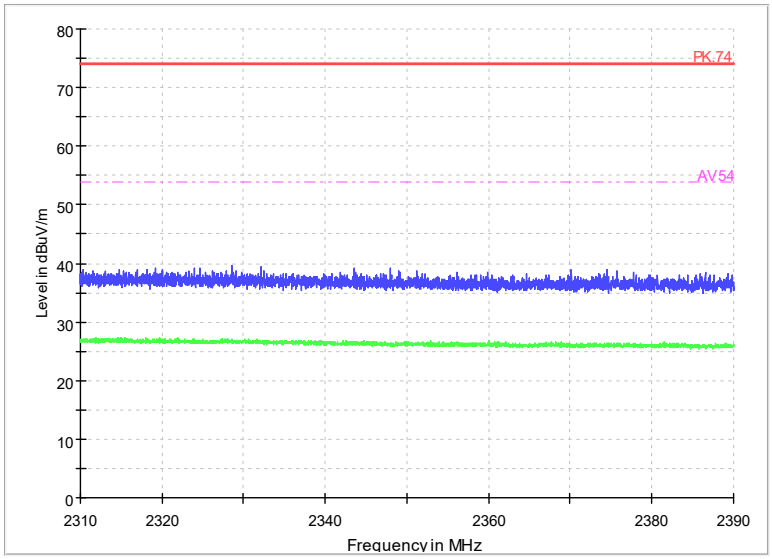
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

APPENDIX B – TEST DATA OF RADIATED EMISSION

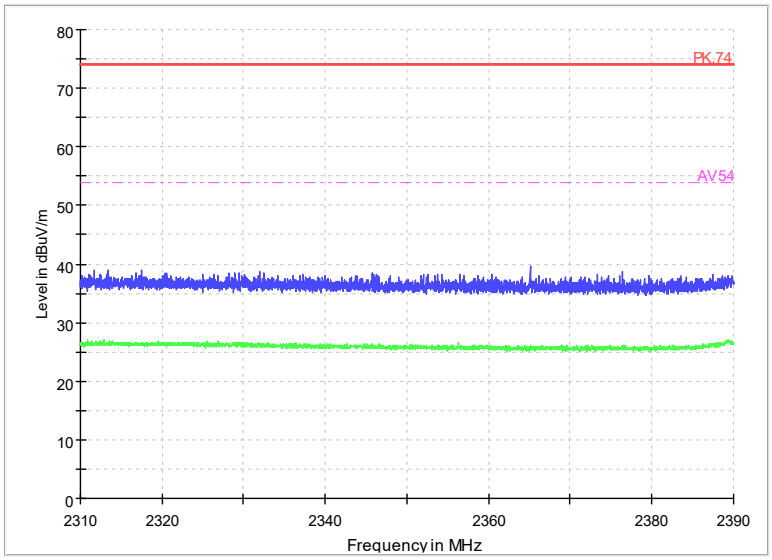
Note：The worst channel results are reflected in the report.

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

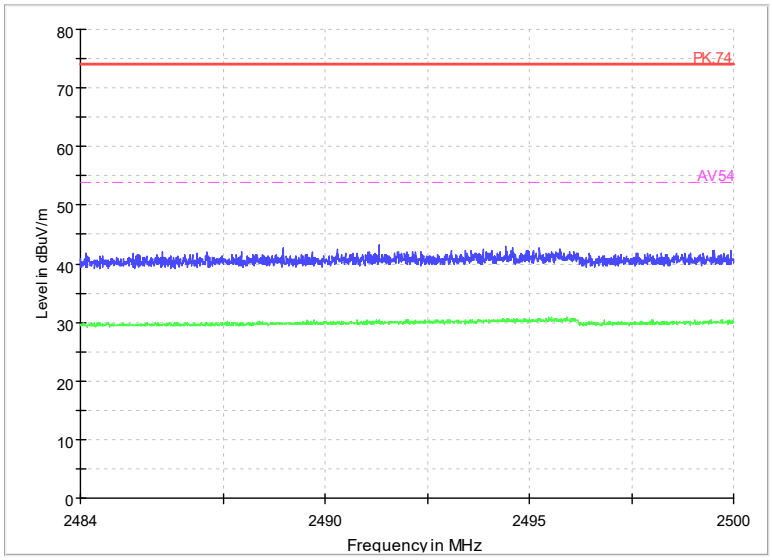
Radiated Emission Band Edge



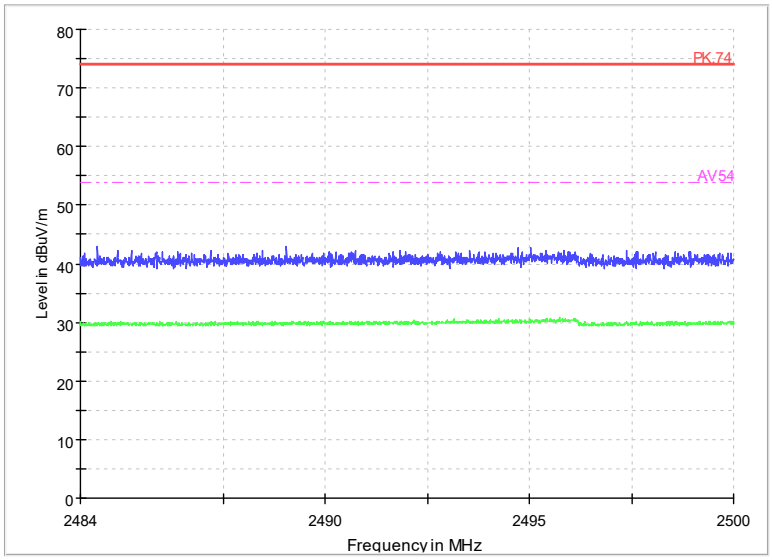
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization：V



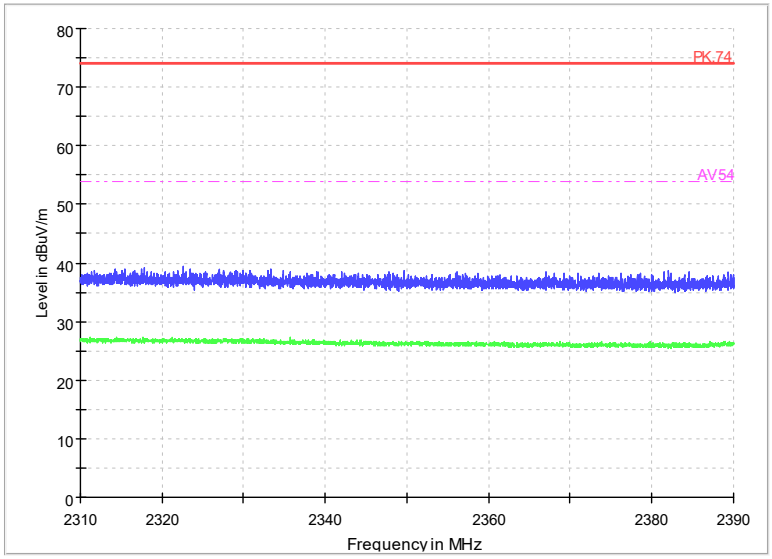
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization：H



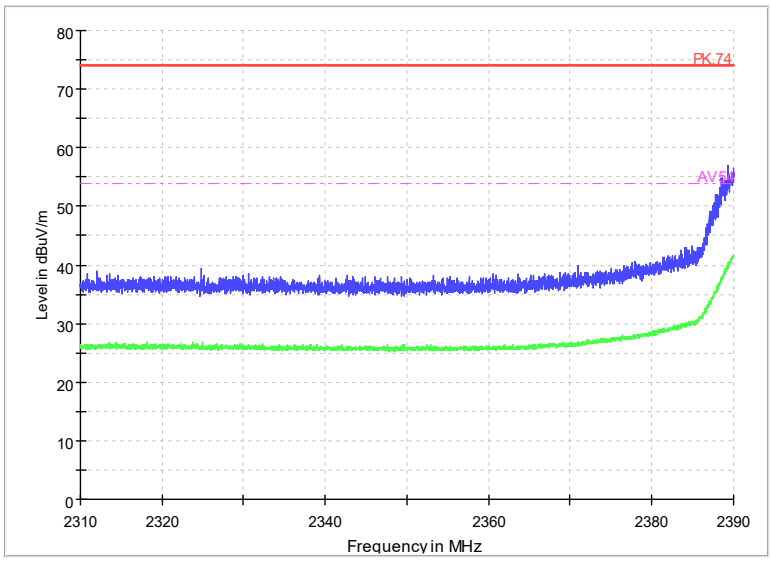
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization：V



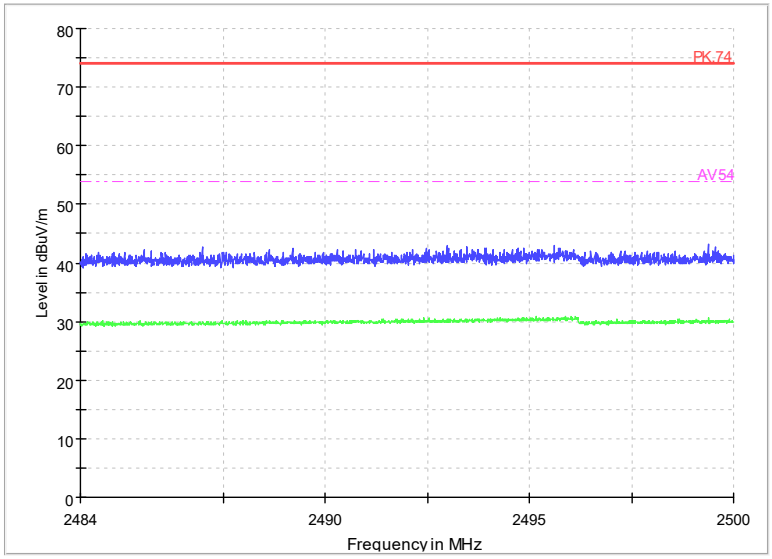
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization：H



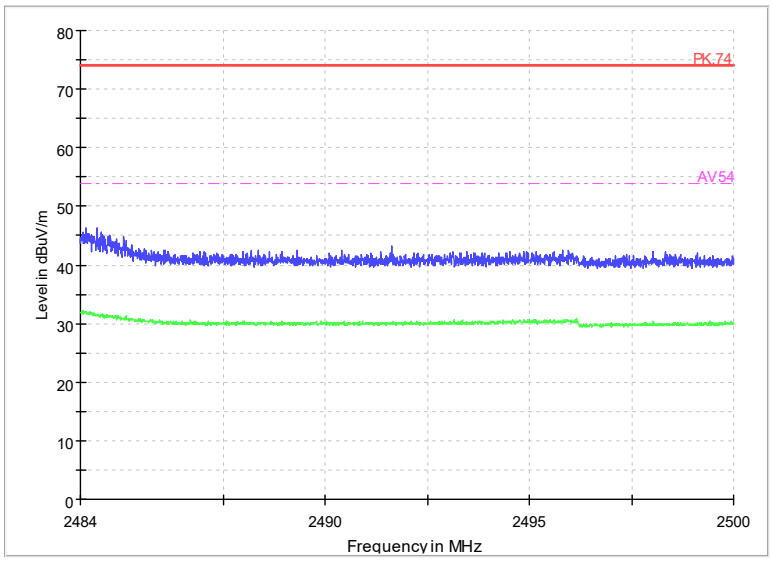
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization：V



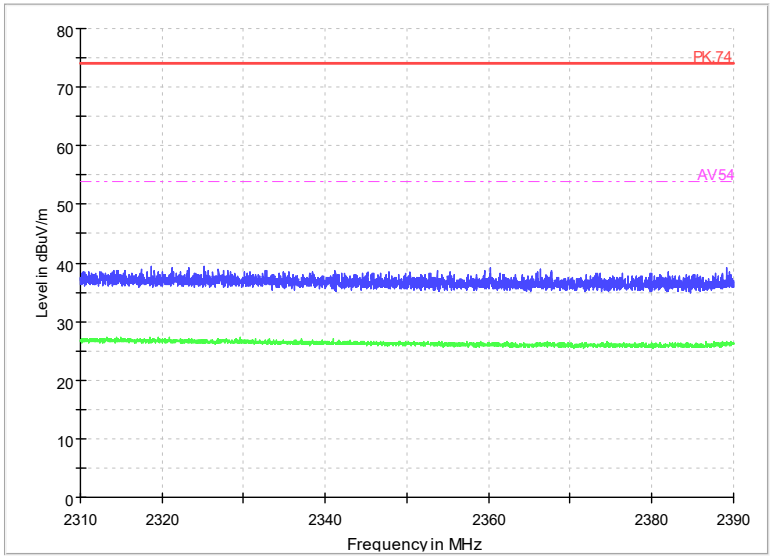
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization：H



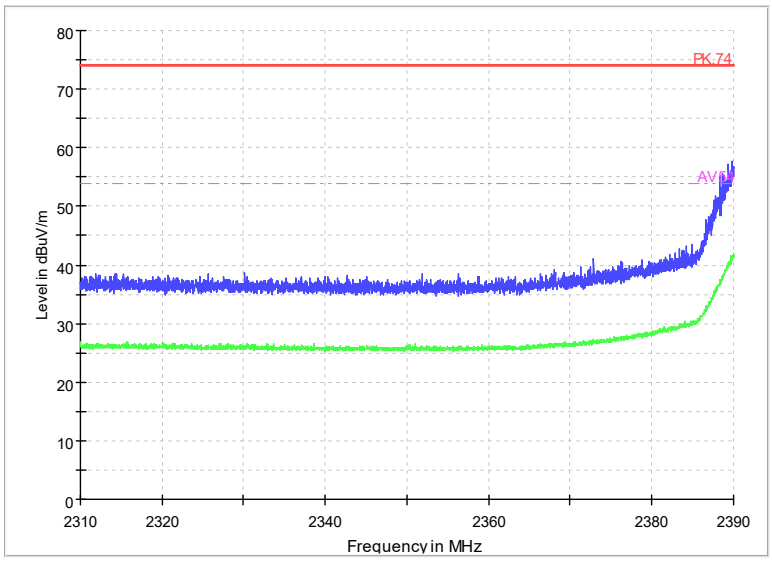
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization：V



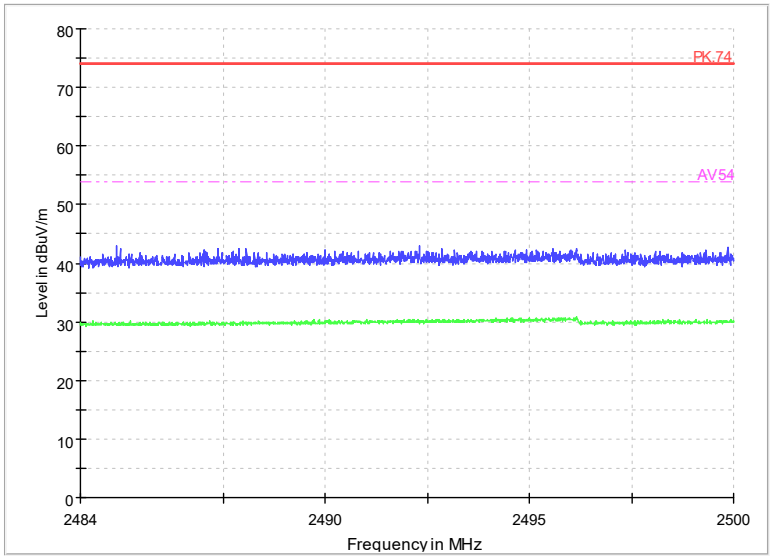
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization：H



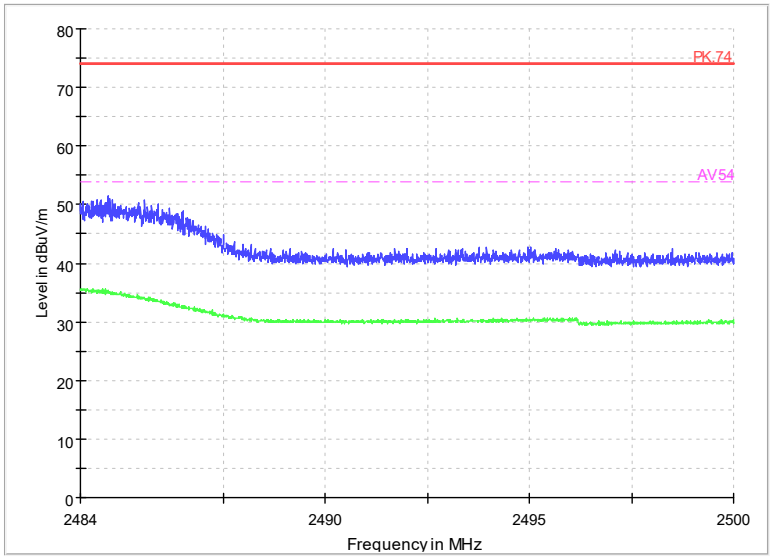
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n(HT20)
Polarization：V



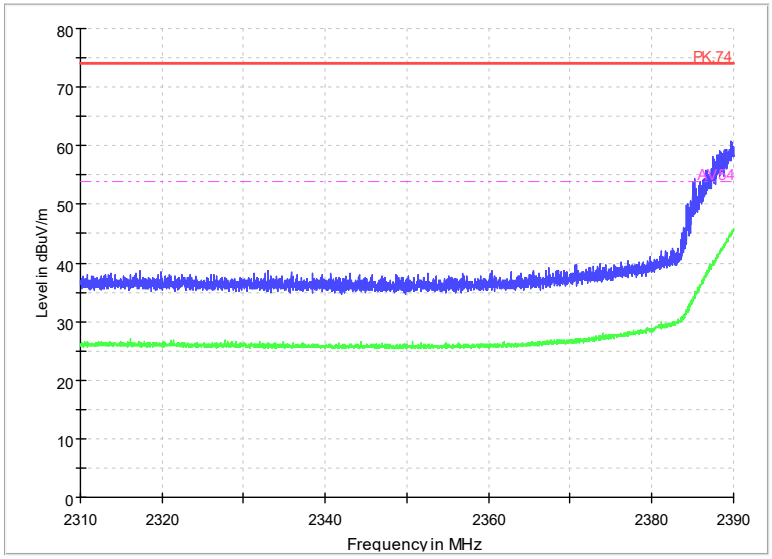
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n(HT20)
Polarization：H



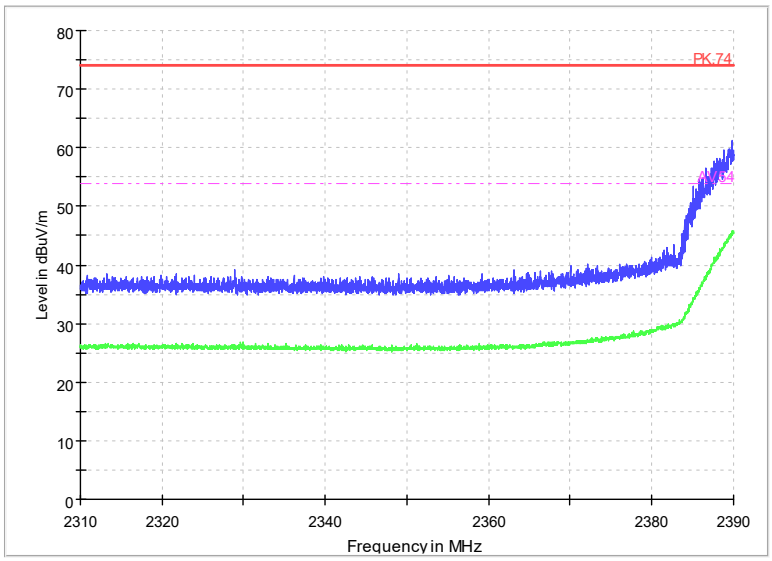
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n(HT20)
Polarization：V



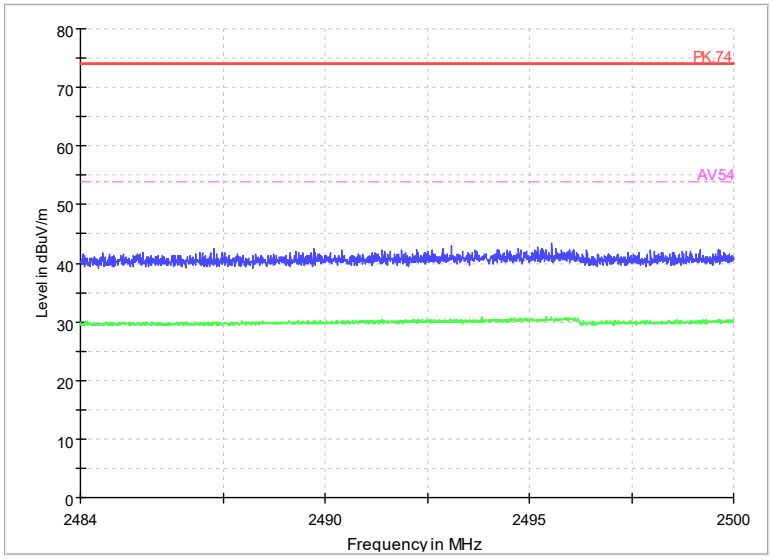
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n(HT20)
Polarization：H



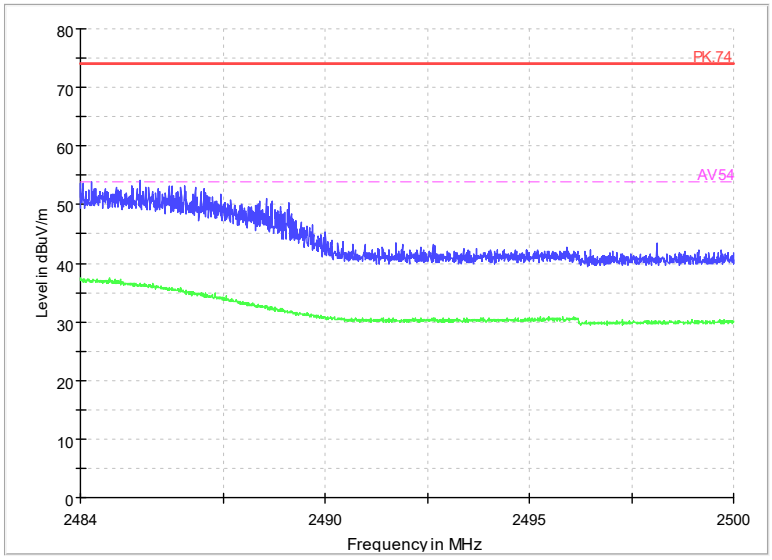
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax(HE20)
Polarization：V



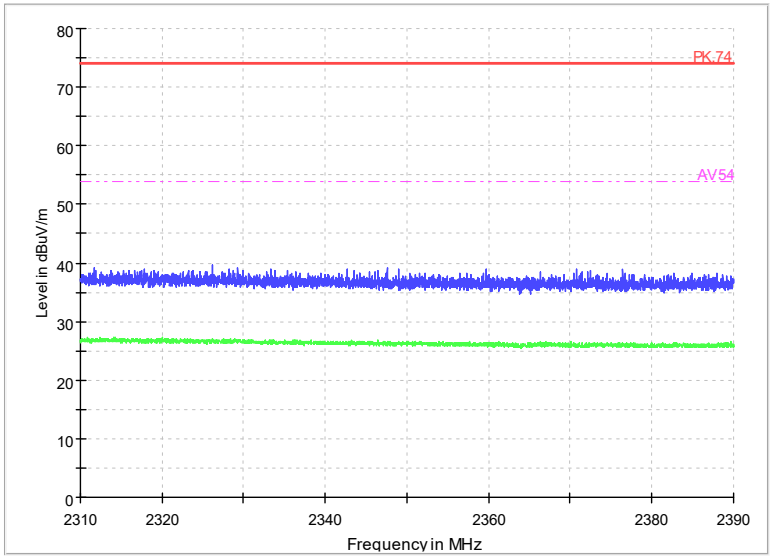
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax(HE20)
Polarization：H



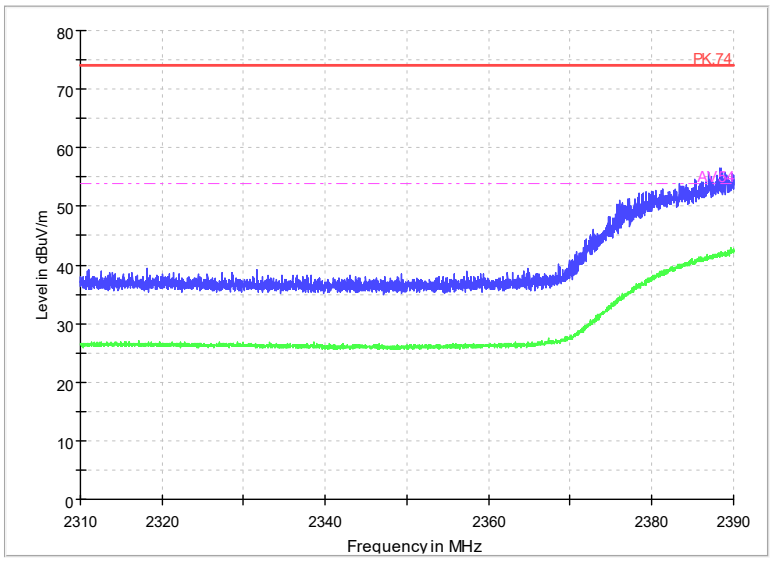
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax(HE20)
Polarization：V



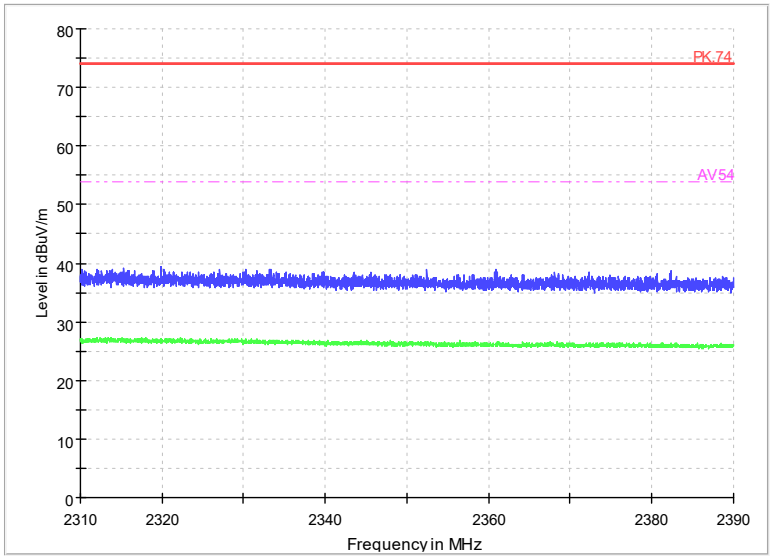
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax(HE20)
Polarization：H



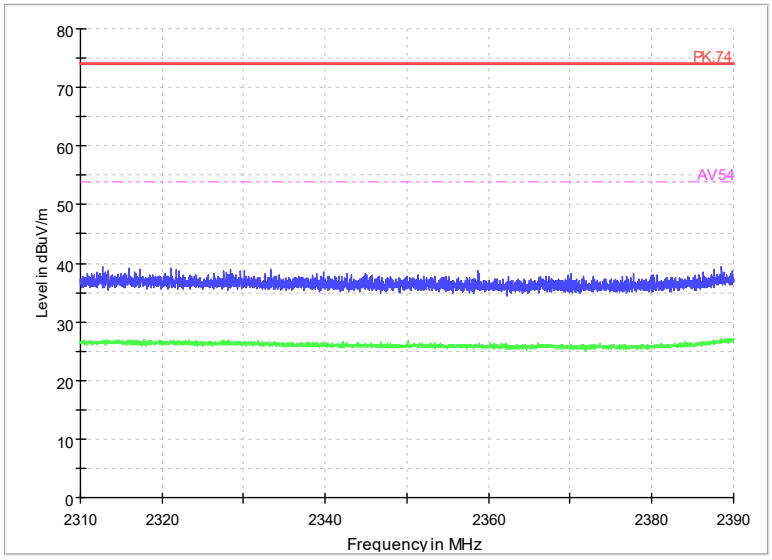
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n(HT40)
Polarization：V



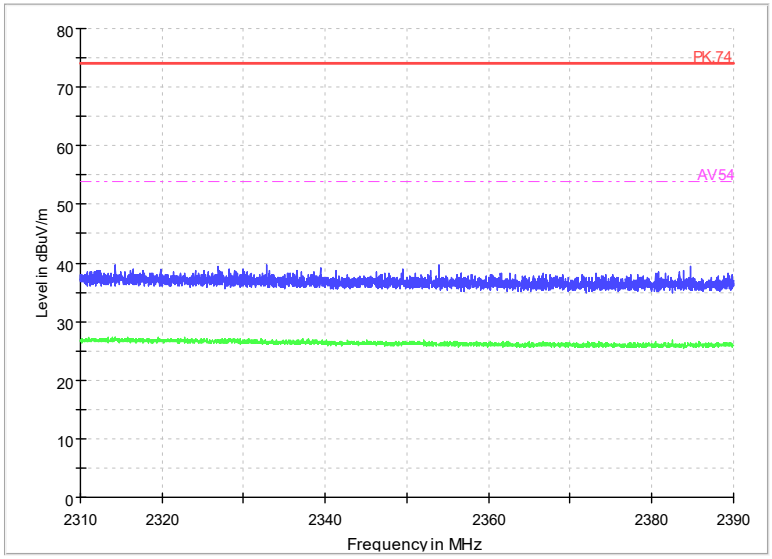
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n(HT40)
Polarization：H



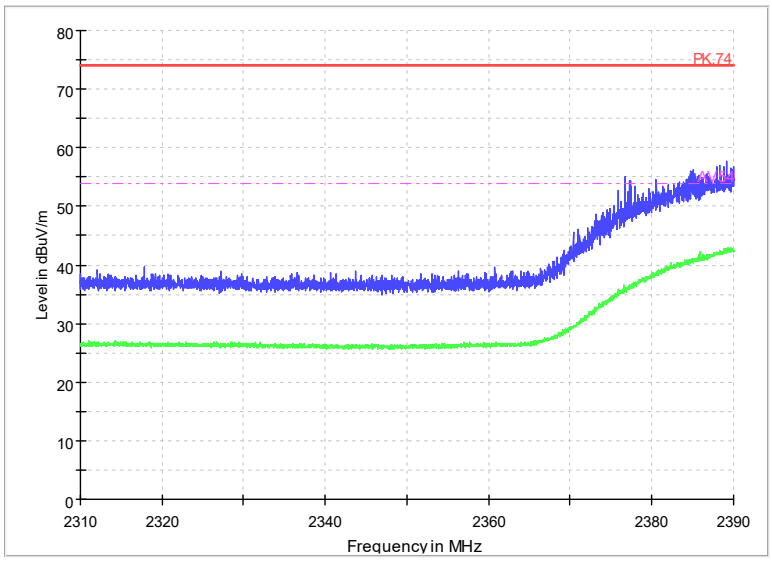
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n(HT40)
Polarization：V



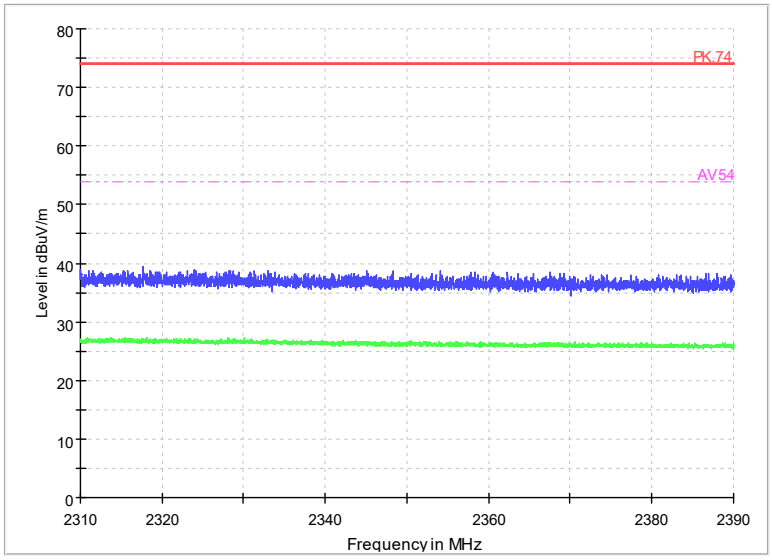
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n(HT40)
Polarization：H



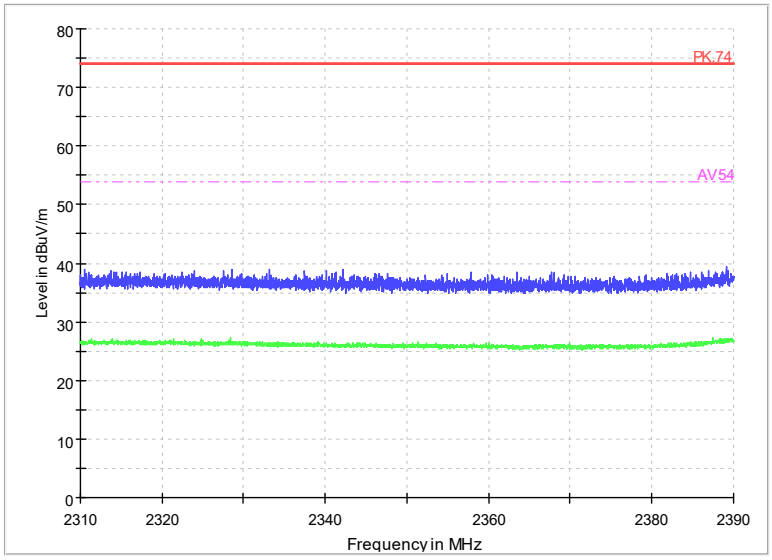
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11ax(HE40)
Polarization：V



Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11ax(HE40)
Polarization：H



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11ax(HE40)
Polarization：V



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11ax(HE40)
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}

For 802.11b、802.11g is ANT4 For 802.11n(HT20/HT40) 、802.11ax (HE20/HE40) is ANT MIMO

Sample calculation: (6.16dBμV/m) = (25.06dBμV) + (-18.9dB/m), the corresponding frequency is45.471500MHz.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
45.4715	6.16	-18.9	25.06	Vertical	40	33.84
63.853	5.3	-20.8	26.1	Vertical	40	34.7
166.188	9.06	-22	31.06	Vertical	43.5	34.44
258.8715	11.8	-18.3	30.1	Vertical	46	34.2
549.4835	11.35	-11.2	22.55	Vertical	46	34.65
935.4465	16.09	-5.2	21.29	Vertical	46	29.91

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
38.9725	5.85	-19.3	25.15	Vertical	40	34.15
57.839	5.54	-19.6	25.14	Vertical	40	34.46
169.3405	9.59	-21.8	31.39	Vertical	43.5	33.91
258.629	11.44	-18.3	29.74	Vertical	46	34.56
515.0485	12.37	-11.9	24.27	Vertical	46	33.63
948.5415	16.03	-5.1	21.13	Vertical	46	29.97

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
40.088	5.51	-19.1	24.61	Vertical	40	34.49
55.899	3.95	-19.5	23.45	Vertical	40	36.05
168.3705	10.18	-21.9	32.08	Vertical	43.5	33.32
258.7745	12	-18.3	30.3	Vertical	46	34
514.806	12.61	-11.9	24.51	Vertical	46	33.39
926.8135	16	-5.2	21.2	Vertical	46	30

For 802.11ax(HE20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl	Pmea	Polarity	Limit	Margin

		(dB)	(dBuV/m)		(dBuV/m)	(dB)
39.6515	5.77	-19.2	24.97	Vertical	40	34.23
64.8715	4.12	-21.1	25.22	Vertical	40	35.88
169.292	9.61	-21.8	31.41	Vertical	43.5	33.89
262.0725	10.29	-18.2	28.49	Vertical	46	35.71
514.321	11.84	-11.9	23.74	Vertical	46	34.16
925.1645	16.01	-5.2	21.21	Vertical	46	29.99

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
44.162	5.55	-18.9	24.45	Vertical	40	34.45
57.451	5.42	-19.6	25.02	Vertical	40	34.58
169.3405	10.01	-21.8	31.81	Vertical	43.5	33.49
257.756	10.14	-18.3	28.44	Vertical	46	35.86
508.2585	10.51	-12	22.51	Vertical	46	35.49
943.837	16.12	-5.1	21.22	Vertical	46	29.88

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
46.878	5.38	-18.9	24.28	Vertical	40	34.62
57.6935	5.48	-19.6	25.08	Vertical	40	34.52
168.225	10.01	-21.9	31.91	Vertical	43.5	33.49
260.278	8.78	-18.2	26.98	Vertical	46	37.22
550.502	11.47	-11.1	22.57	Vertical	46	34.53
938.7445	16.13	-5.1	21.23	Vertical	46	29.87

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.0005	5.94	-19	24.94	Vertical	40	34.06
58.5665	5.37	-19.7	25.07	Vertical	40	34.63
167.2065	9.89	-21.9	31.79	Vertical	43.5	33.61
258.92	11.6	-18.3	29.9	Vertical	46	34.4
554.4305	11.25	-11.1	22.35	Vertical	46	34.75
897.762	15.5	-5.6	21.1	Vertical	46	30.5

For 802.11ax(HE20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.0005	5.93	-19	24.93	Vertical	40	34.07
59.0515	5.03	-19.8	24.83	Vertical	40	34.97
170.4075	9.32	-21.8	31.12	Vertical	43.5	34.18

263.867	8.4	-18.1	26.5	Vertical	46	37.6
553.606	11.36	-11.1	22.46	Vertical	46	34.64
887.7225	15.44	-5.7	21.14	Vertical	46	30.56

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.2915	6.07	-19	25.07	Vertical	40	33.93
63.174	3.84	-20.7	24.54	Vertical	40	36.16
168.2735	9.89	-21.9	31.79	Vertical	43.5	33.61
258.6775	12.07	-18.3	30.37	Vertical	46	33.93
535.273	11.38	-11.5	22.88	Vertical	46	34.62
934.331	16.12	-5.2	21.32	Vertical	46	29.88

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
33.9285	5.14	-20.2	25.34	Vertical	40	34.86
64.2895	4.26	-20.9	25.16	Vertical	40	35.74
167.2065	9.32	-21.9	31.22	Vertical	43.5	34.18
258.435	11.09	-18.3	29.39	Vertical	46	34.91
530.1805	12.7	-11.6	24.3	Vertical	46	33.3
932.003	16.12	-5.2	21.32	Vertical	46	29.88

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.534	6.14	-19	25.14	Vertical	40	33.86
57.4995	5.45	-19.6	25.05	Vertical	40	34.55
106.145	4.33	-19.6	23.93	Vertical	43.5	39.17
210.6625	4.06	-19.6	23.66	Vertical	43.5	39.44
520.432	10.98	-11.8	22.78	Vertical	46	35.02
890.4385	15.59	-5.7	21.29	Vertical	46	30.41

For 802.11ax(HE20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
44.55	5.89	-18.9	24.79	Vertical	40	34.11
58.13	5.53	-19.7	25.23	Vertical	40	34.47
168.128	9.88	-21.9	31.78	Vertical	43.5	33.62
258.5805	11.84	-18.3	30.14	Vertical	46	34.16
499.092	10.49	-12.3	22.79	Vertical	46	35.51
849.553	14.66	-6.3	20.96	Vertical	46	31.34

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
45.52	6.21	-18.9	25.11	Vertical	40	33.79
58.3725	5.51	-19.7	25.21	Vertical	40	34.49
167.2065	9.93	-21.9	31.83	Vertical	43.5	33.57
264.255	8.74	-18.1	26.84	Vertical	46	37.26
535.0305	11.17	-11.5	22.67	Vertical	46	34.83
931.615	16.02	-5.2	21.22	Vertical	46	29.98

For 802.11ax(HE40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
44.9865	6.13	-18.9	25.03	Vertical	40	33.87
84.9505	3.9	-21.1	25	Vertical	40	36.1
97.124	4.96	-19.6	24.56	Vertical	43.5	38.54
207.025	4.01	-19.7	23.71	Vertical	43.5	39.49
553.3635	11.18	-11.1	22.28	Vertical	46	34.82
921.915	16.06	-5.3	21.36	Vertical	46	29.94

For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
37.857	4.84	-19.5	24.34	Vertical	40	35.16
65.308	3.92	-21.2	25.12	Vertical	40	36.08
104.1565	5.16	-19.5	24.66	Vertical	43.5	38.34
310.524	6.79	-16.8	23.59	Vertical	46	39.21
522.2265	10.84	-11.8	22.64	Vertical	46	35.16
953.828	16.23	-5	21.23	Vertical	46	29.77

For 802.11ax(HE40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.049	5.94	-19	24.94	Vertical	40	34.06
84.0775	3.52	-21.2	24.72	Vertical	40	36.48
110.316	4.94	-19.7	24.64	Vertical	43.5	38.56
210.4685	3.98	-19.6	23.58	Vertical	43.5	39.52
549.144	11.19	-11.2	22.39	Vertical	46	34.81
888.159	15.61	-5.7	21.31	Vertical	46	30.39

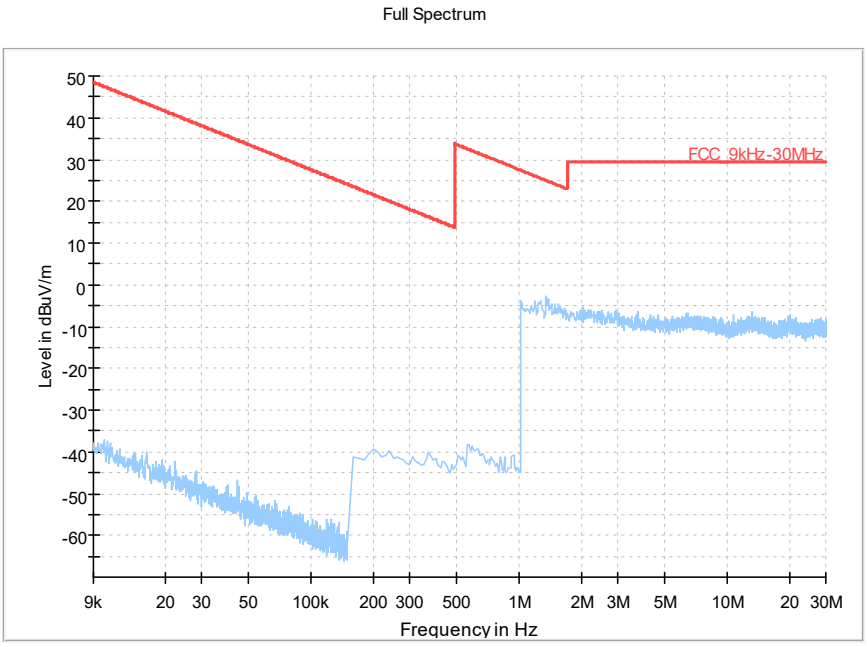
For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl	Pmea	Polarity	Limit	Margin

		(dB)	(dBuV/m)		(dBuV/m)	(dB)
51.8735	6.08	-19.1	25.18	Vertical	40	33.92
58.033	5.64	-19.7	25.34	Vertical	40	34.36
104.2535	5.2	-19.6	24.8	Vertical	43.5	38.3
207.7525	4.1	-19.7	23.8	Vertical	43.5	39.4
536.049	11.2	-11.5	22.7	Vertical	46	34.8
932.876	16.27	-5.2	21.47	Vertical	46	29.73

For 802.11ax(HE40) Channel No.:9

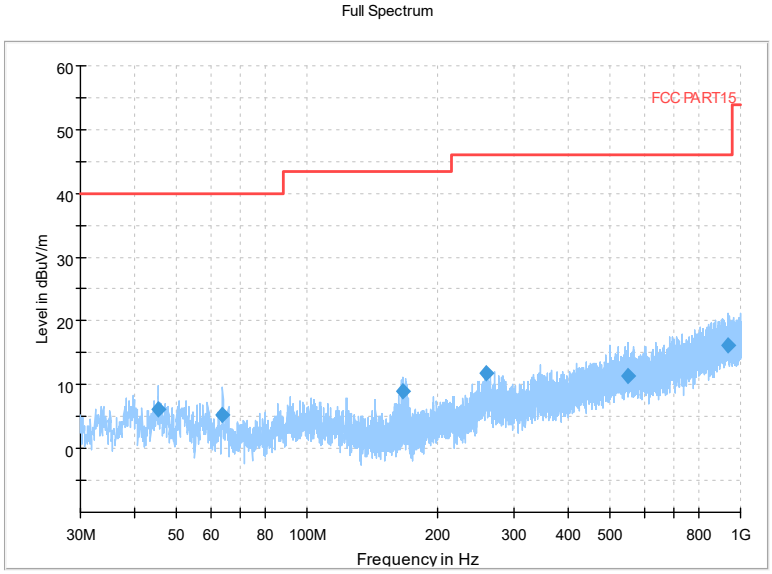
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
40.3305	5.4	-19.1	24.5	Vertical	40	34.6
59.488	4.64	-19.8	24.44	Vertical	40	35.36
104.3505	5.22	-19.6	24.82	Vertical	43.5	38.28
208.3345	4.12	-19.7	23.82	Vertical	43.5	39.38
536.728	11.29	-11.5	22.79	Vertical	46	34.71
948.9295	16.31	-5.1	21.41	Vertical	46	29.69



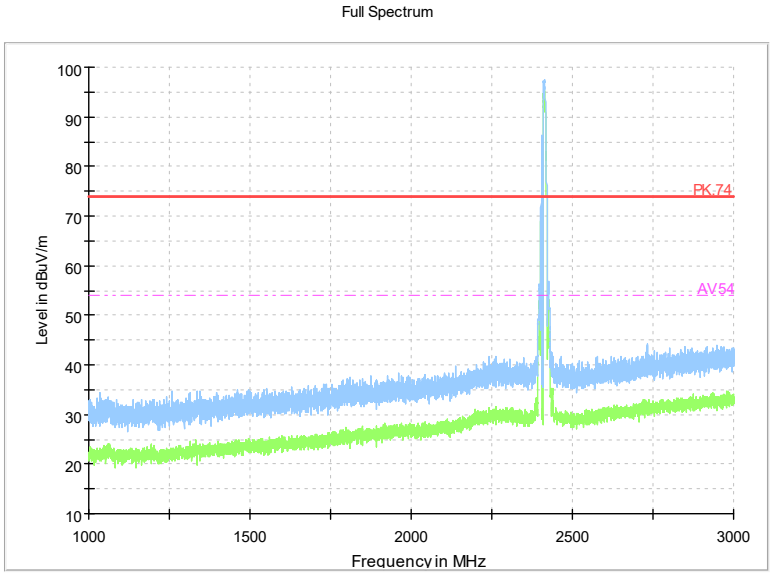
Frequency Range: 9kHz -30MHz
Detector: QP mode

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

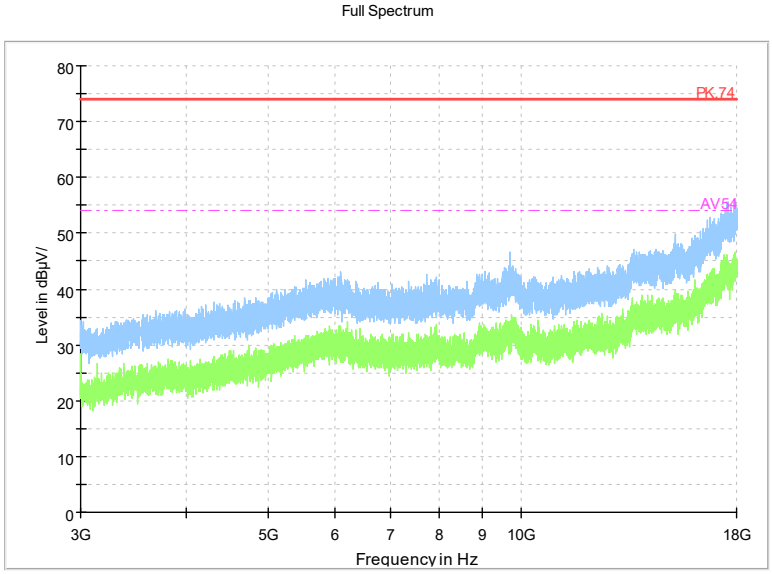
Carrier frequency (MHz): 2412
Channel No.:1



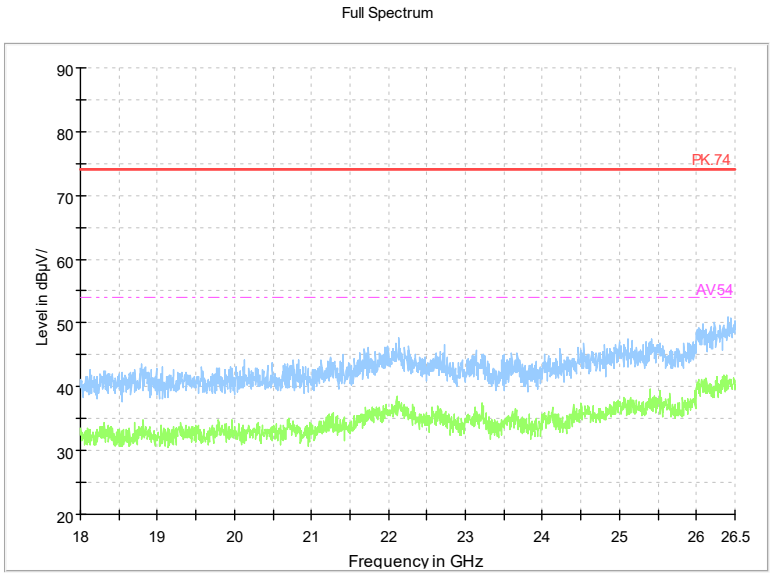
Frequency Range30MHz -1GHz
Detector: QP mode
Modulation type: 802.11b



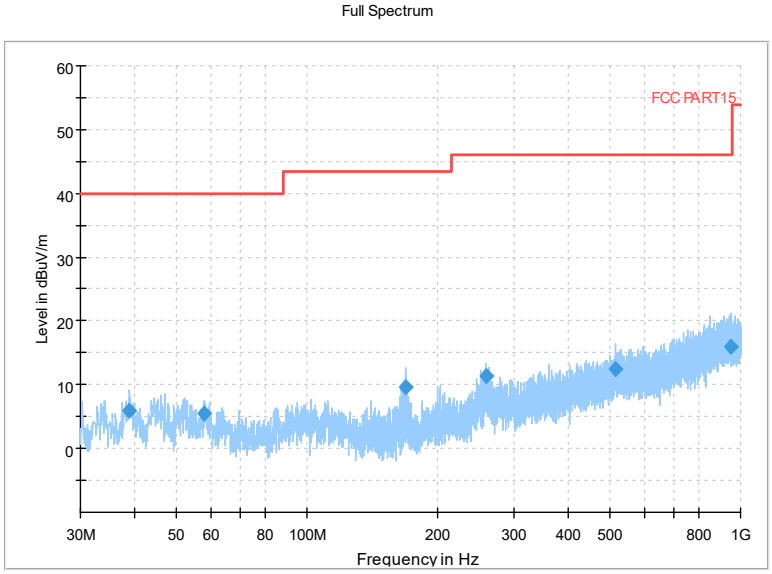
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



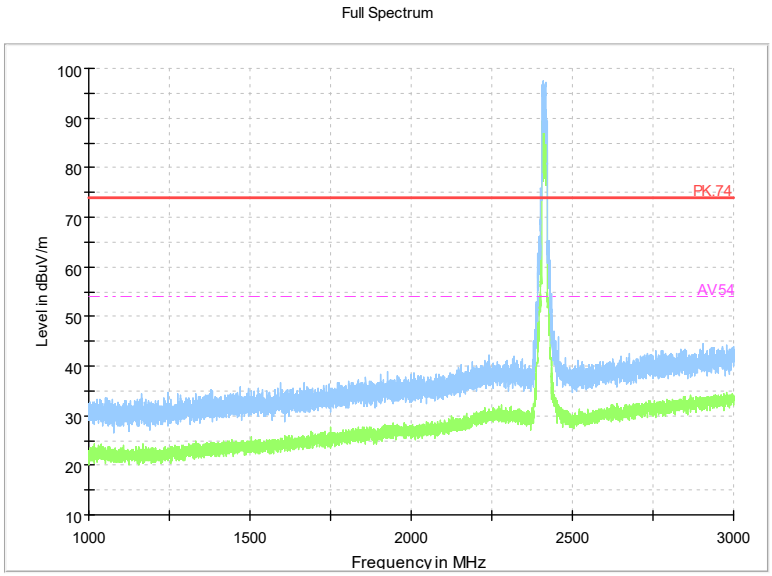
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



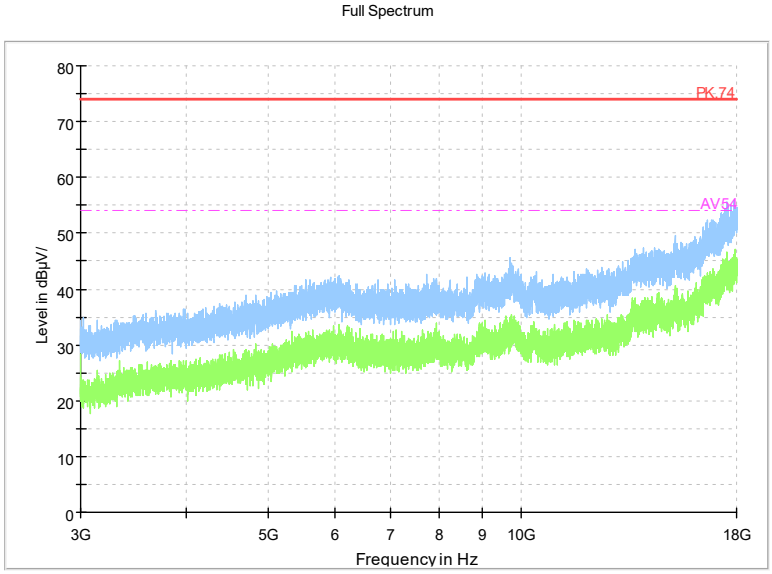
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



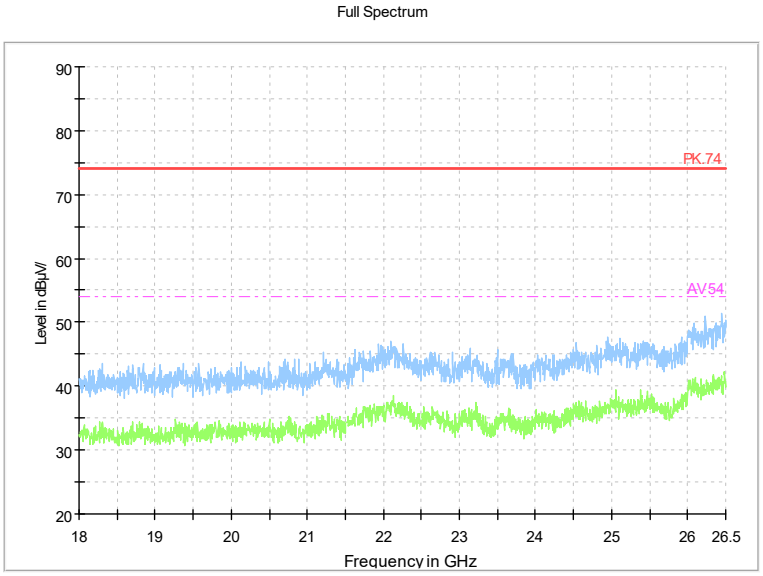
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11b



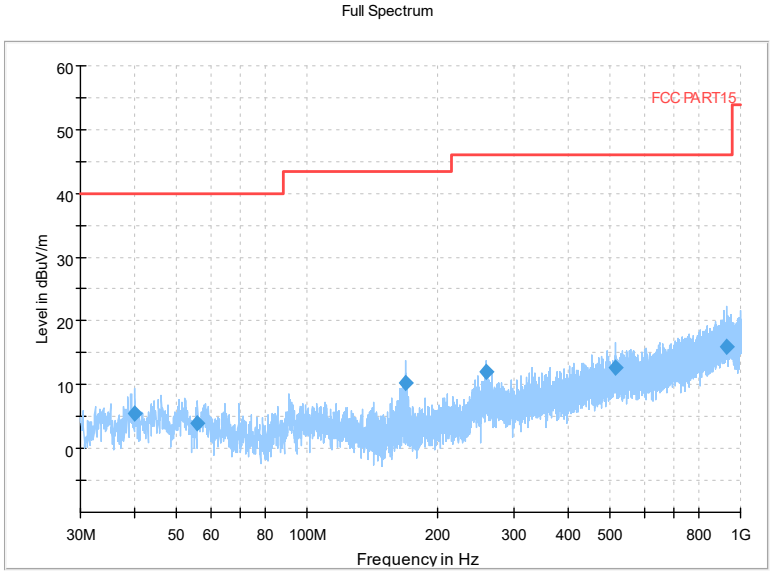
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



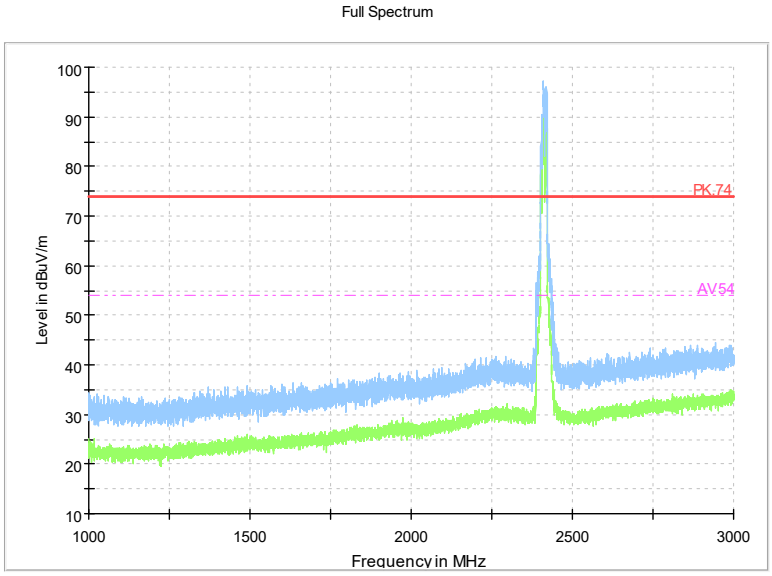
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



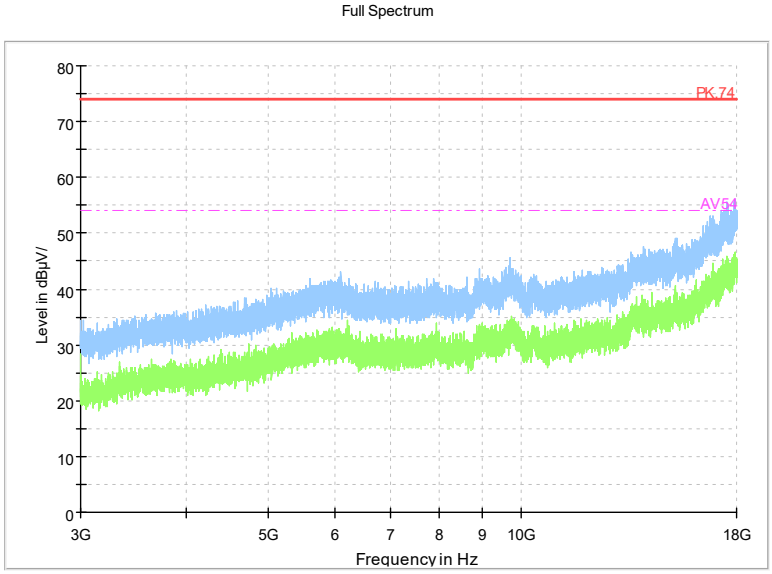
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



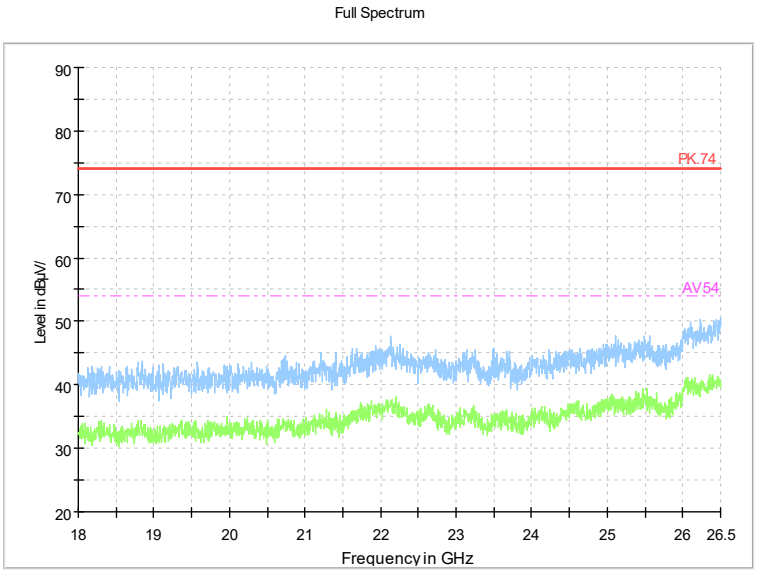
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)



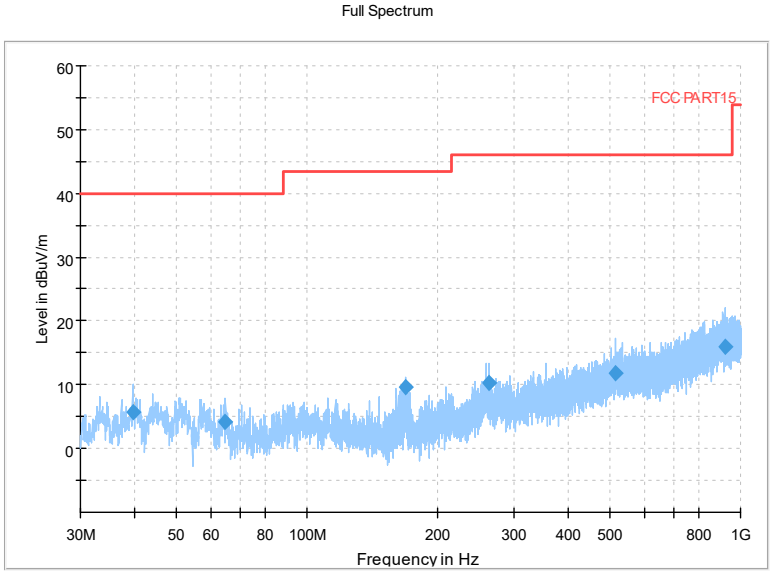
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



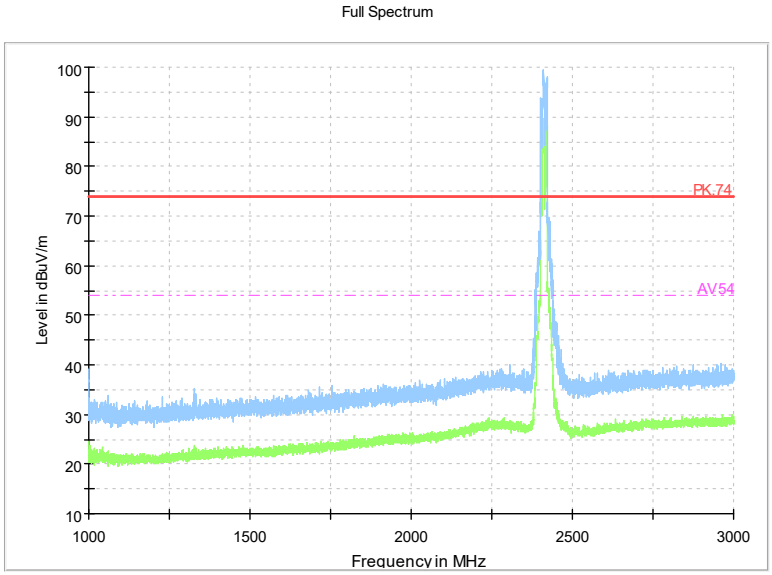
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



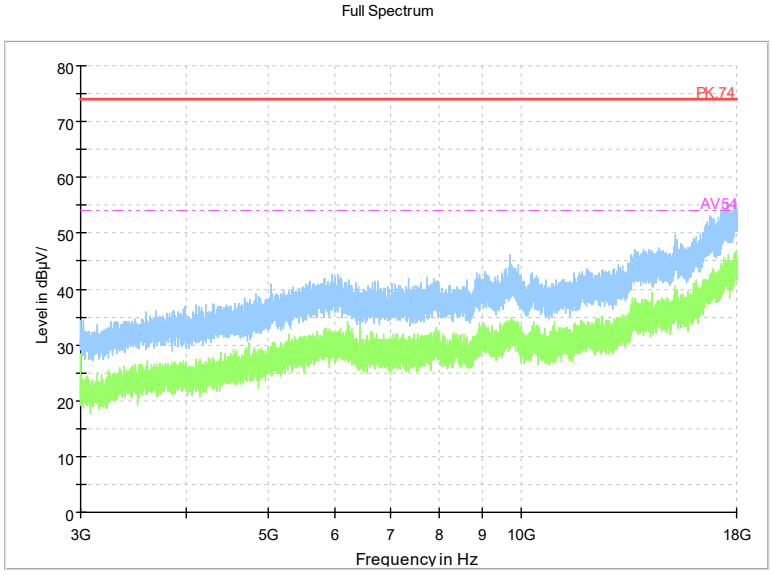
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



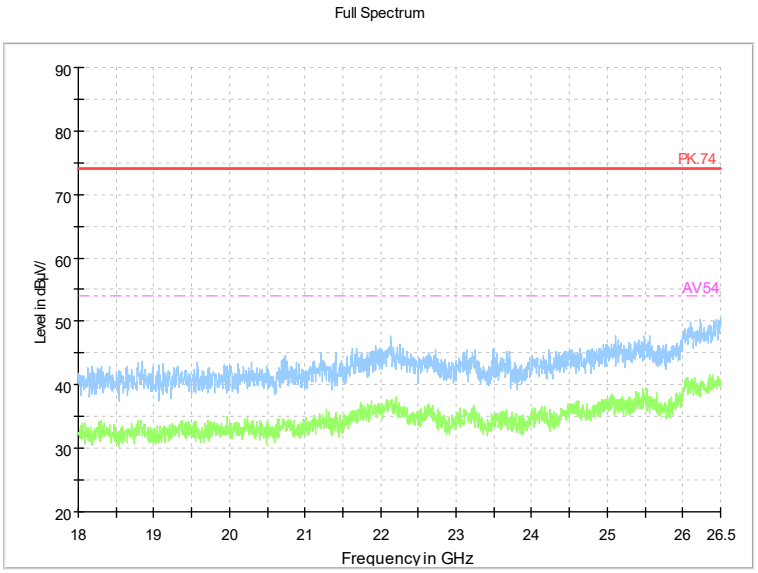
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11 ax(HE20)



Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE20)

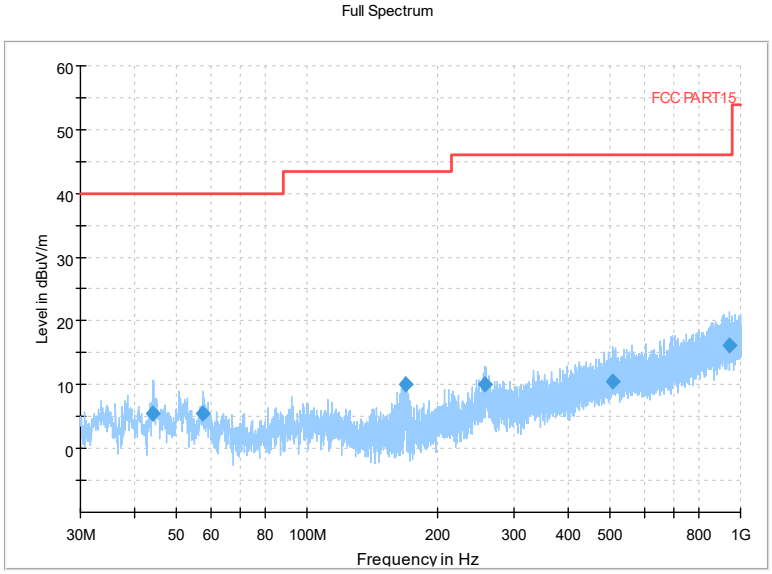


Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE20)

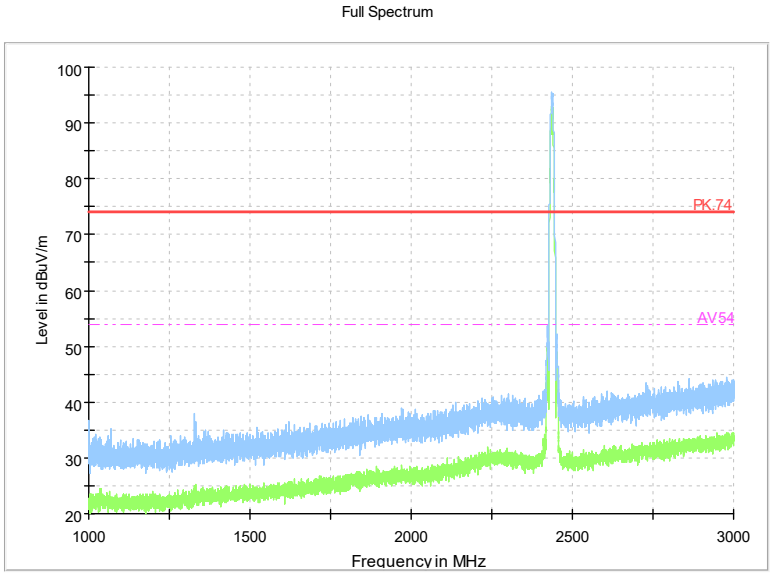


Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE20)

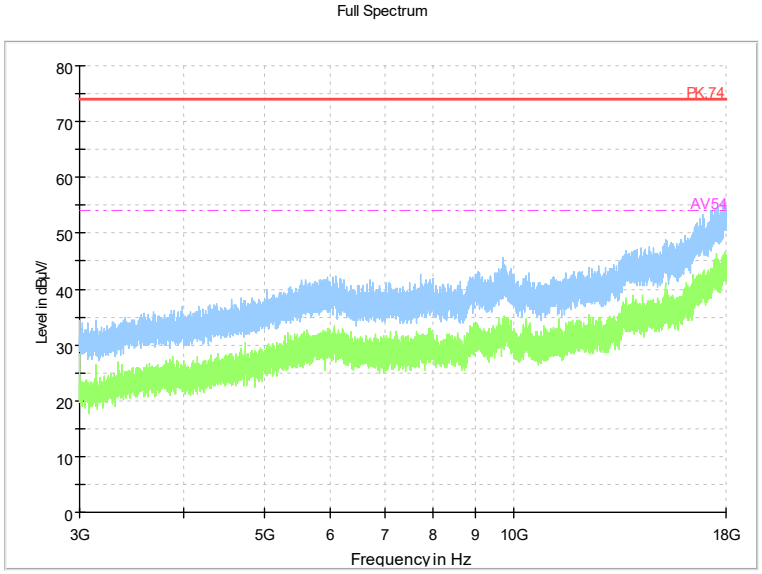
Carrier frequency (MHz): 2437
Channel No.:6



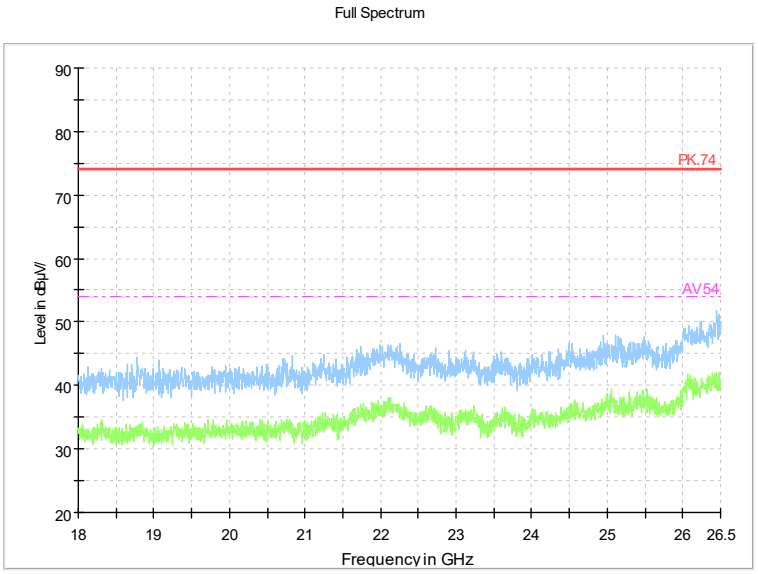
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11b



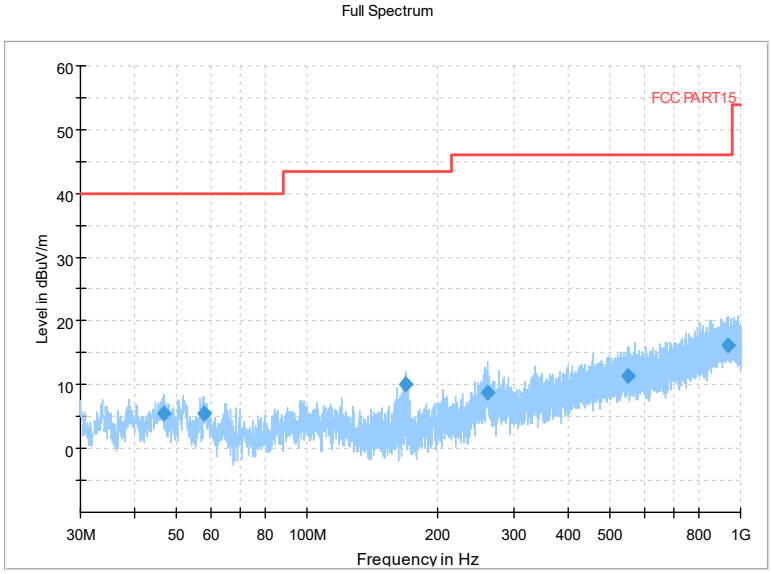
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



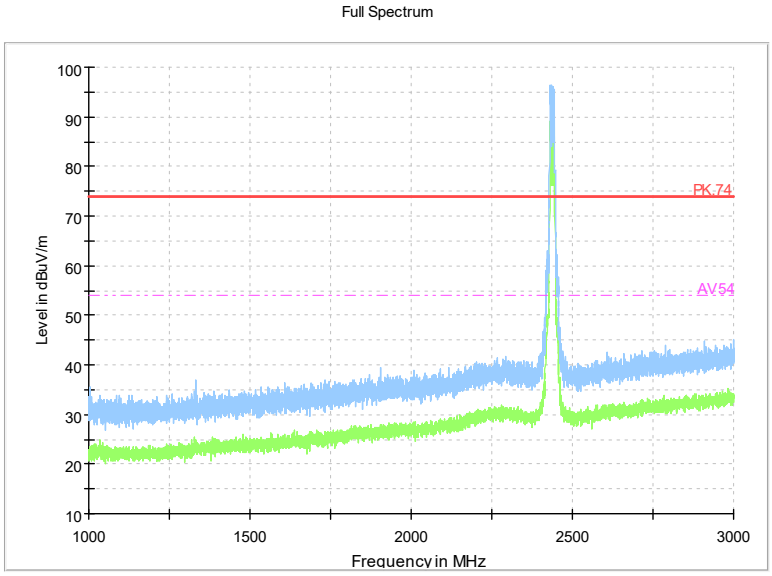
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



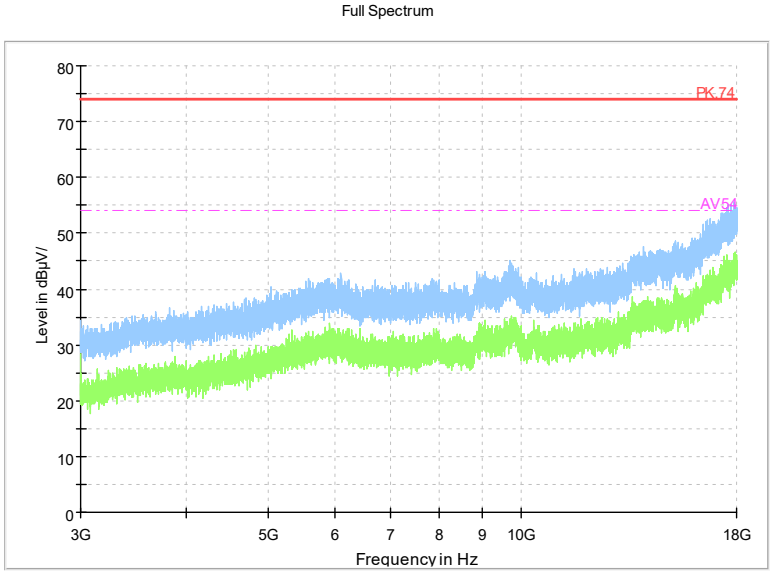
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



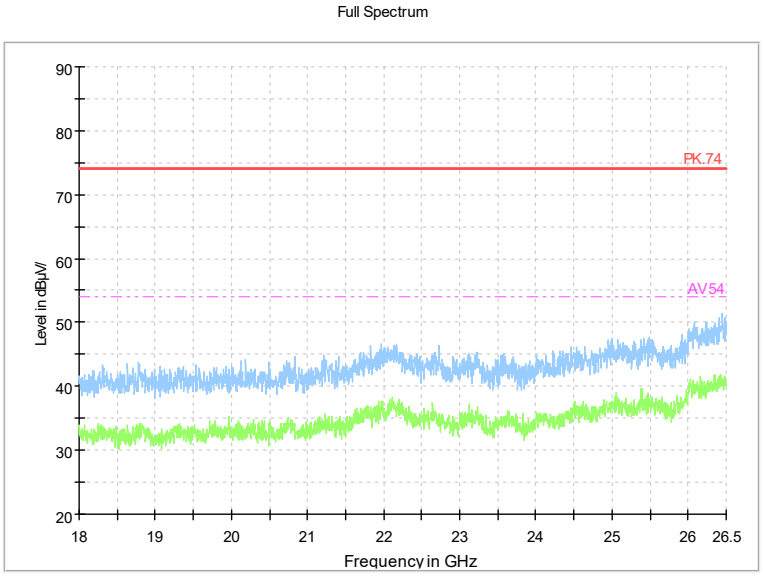
Frequency Range: 30MHz -1GHz
Detector: Detector: QP mode
Modulation type: 802.11g



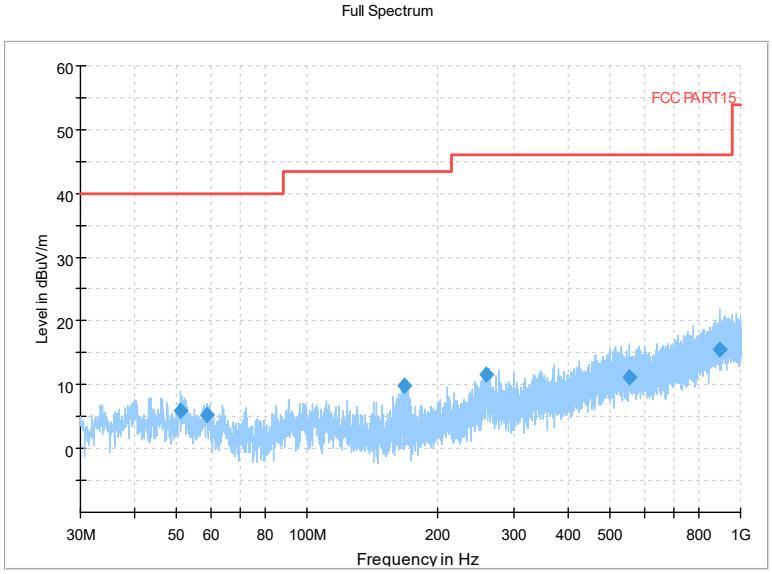
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



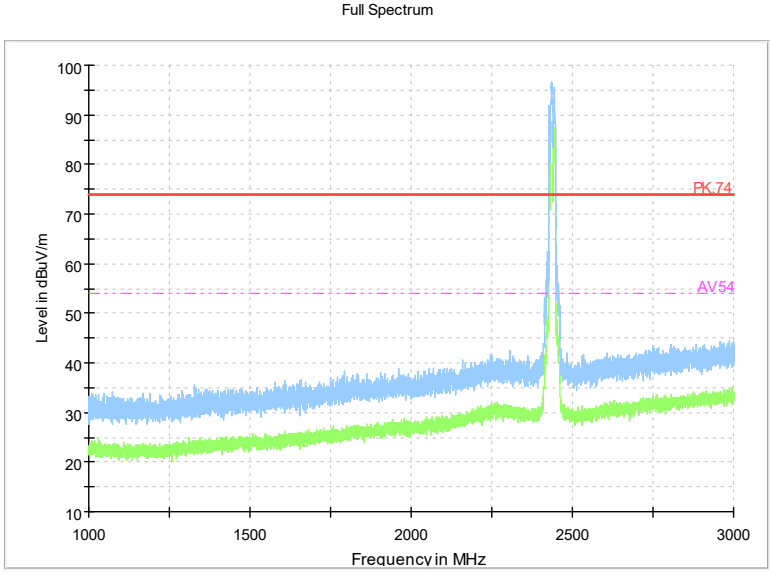
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



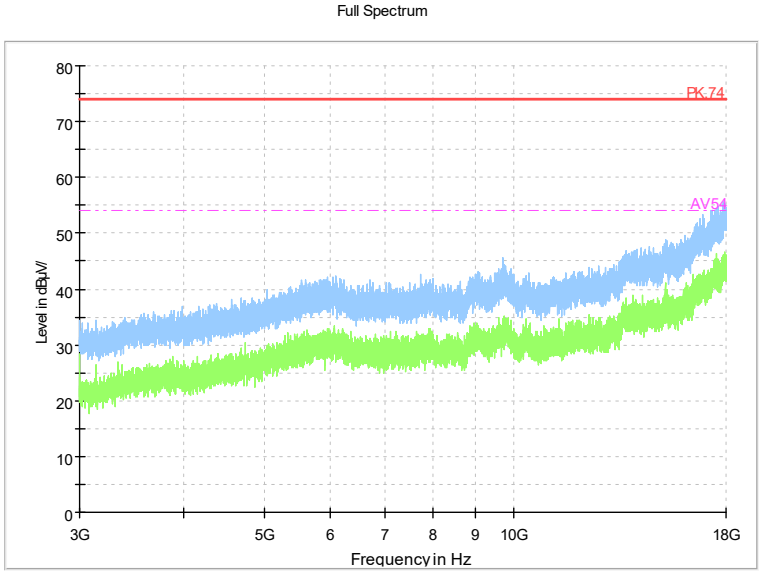
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



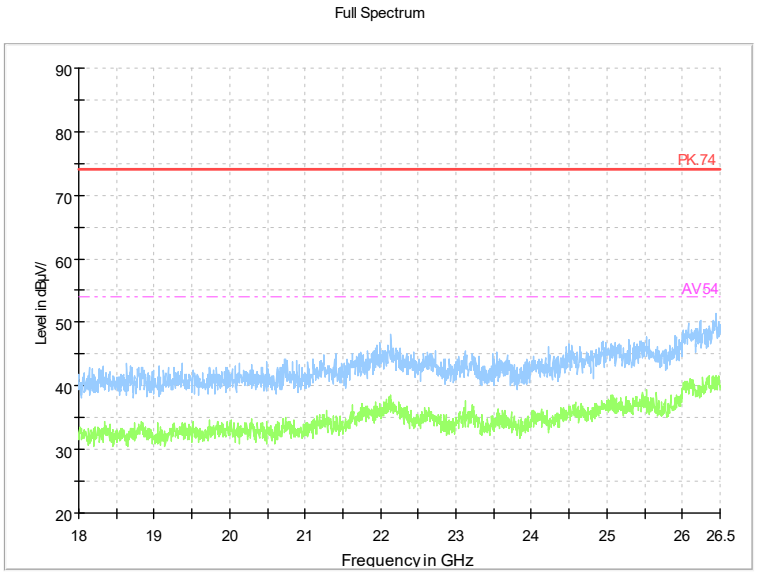
Frequency Range: 30MHz -1GHz
Detector: Detector: QP mode
Modulation type: 802.11n(HT20)



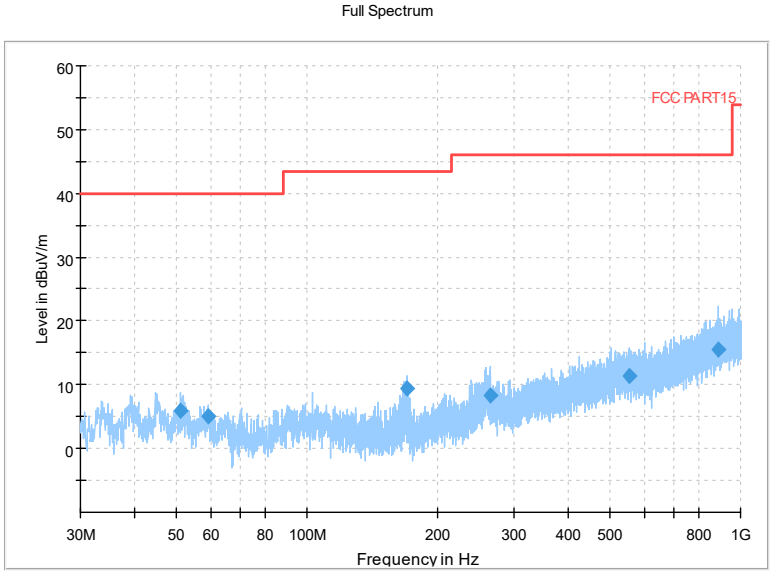
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



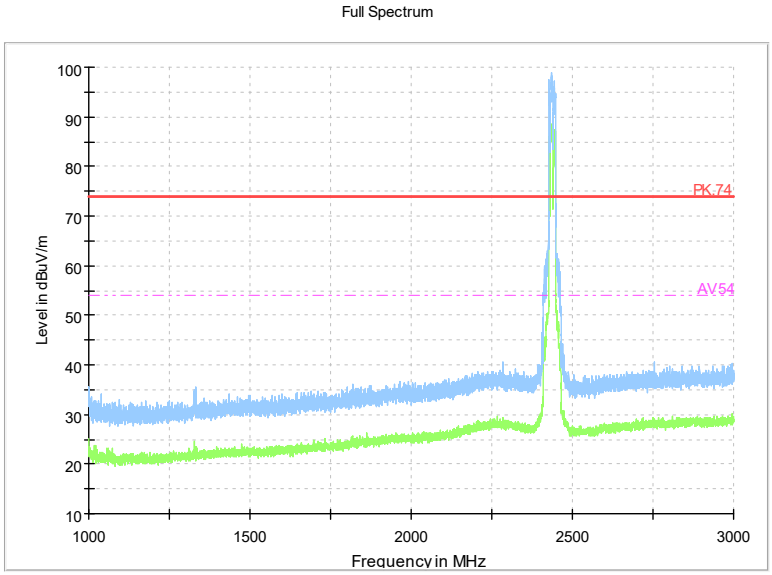
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



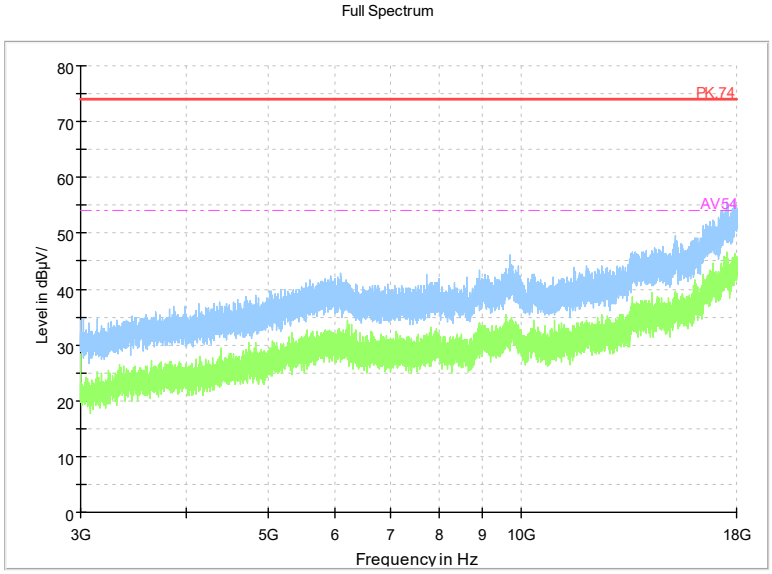
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



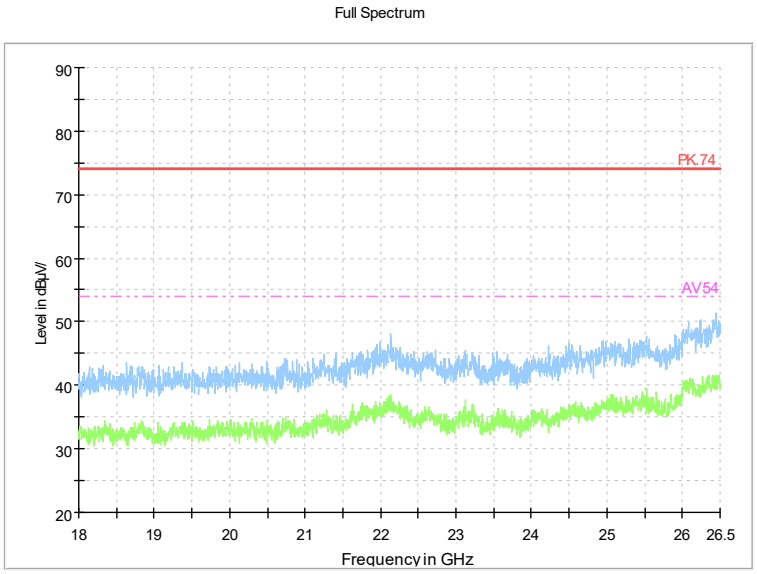
Frequency Range: 30MHz -1GHz
Detector: Detector: QP mode
Modulation type: 802.11 ax(HE20)



Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE20)

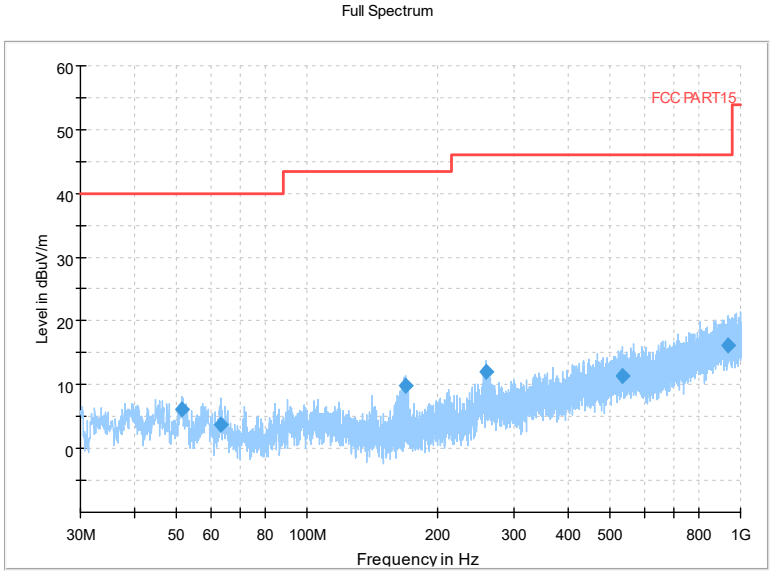


Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE20)

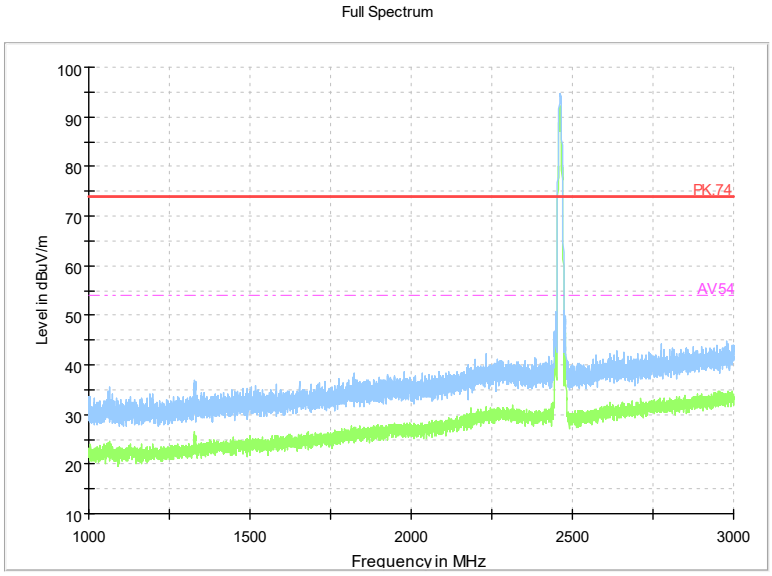


Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE20)

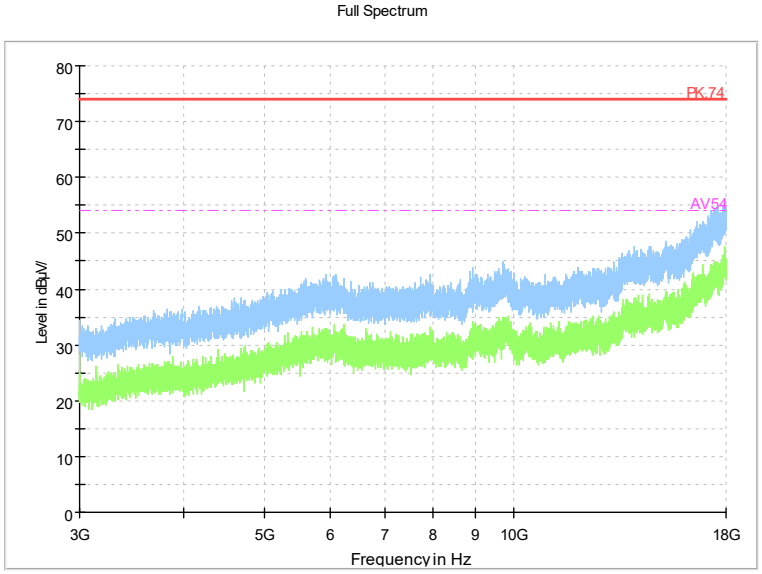
Carrier frequency (MHz): 2462
Channel No.:11



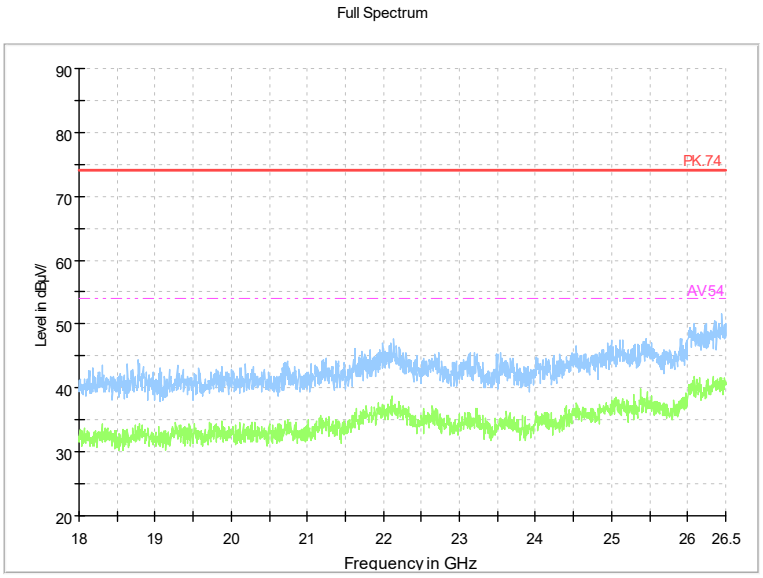
Frequency Range: 30MHz -1GHz
Detector: Detector: QP mode
Modulation type: 802.11b



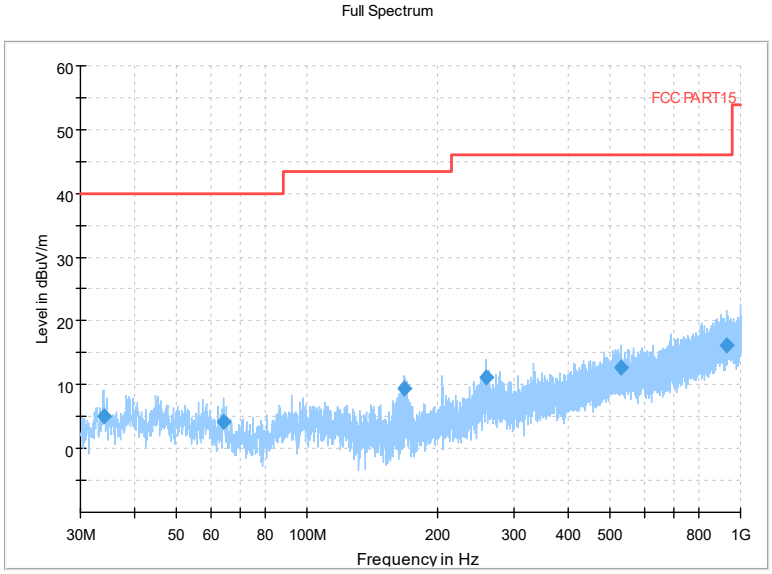
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



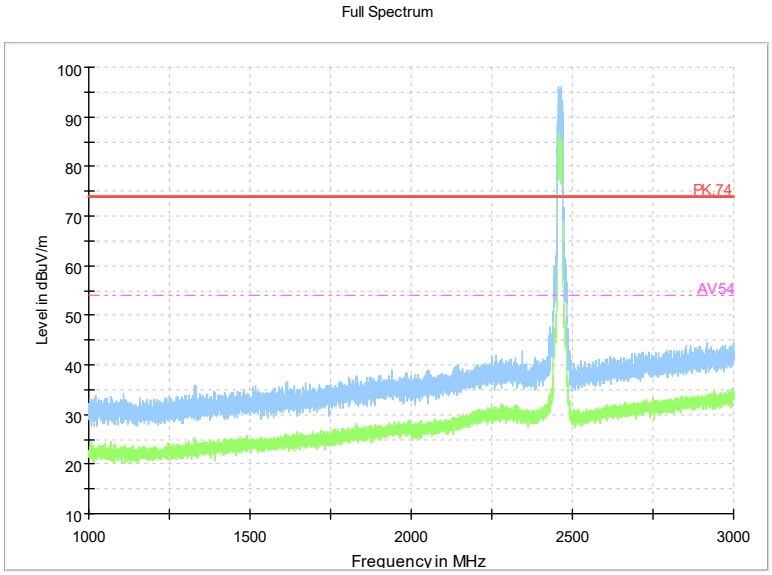
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



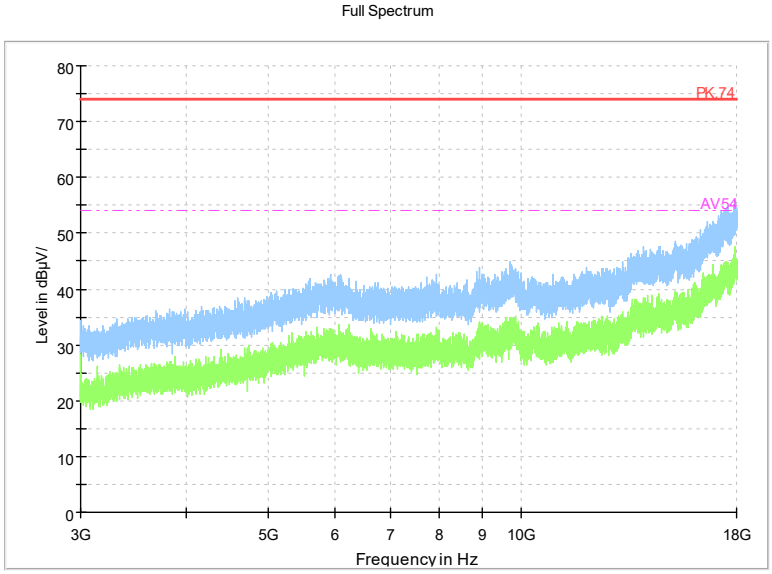
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



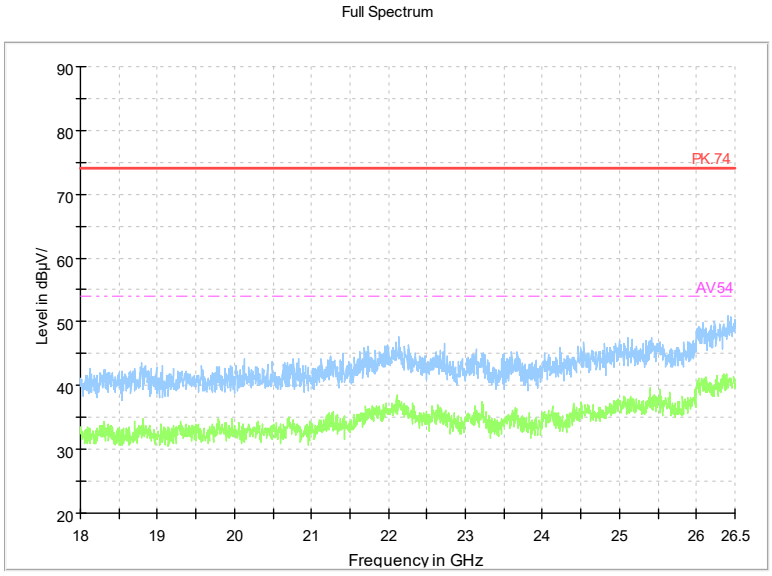
Frequency Range: 30MHz -1GHz
Detector: Detector: QP mode
Modulation type: 802.11g



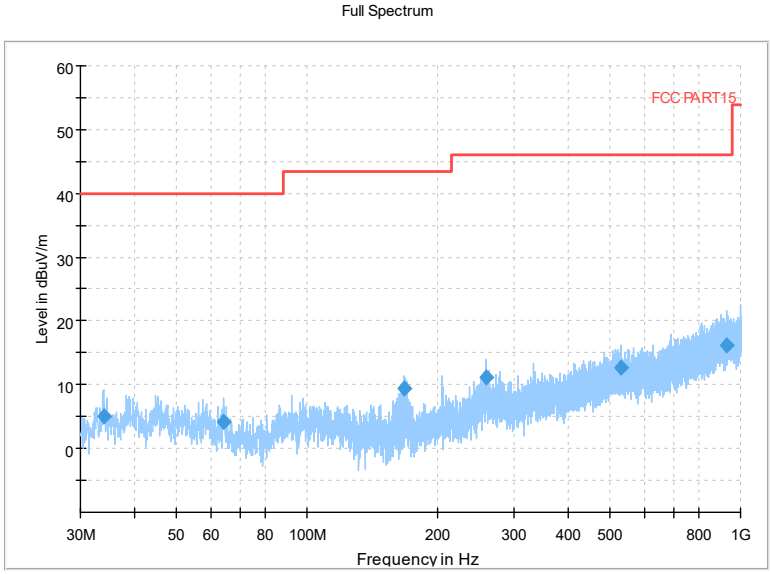
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



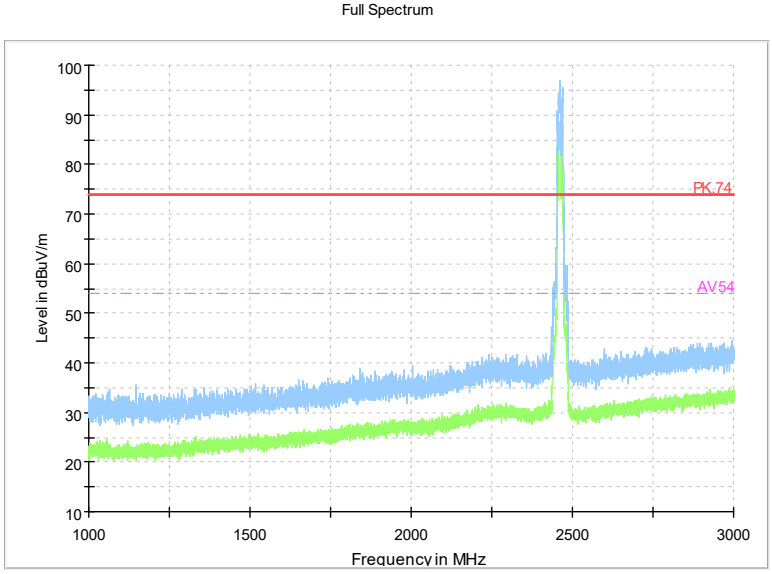
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



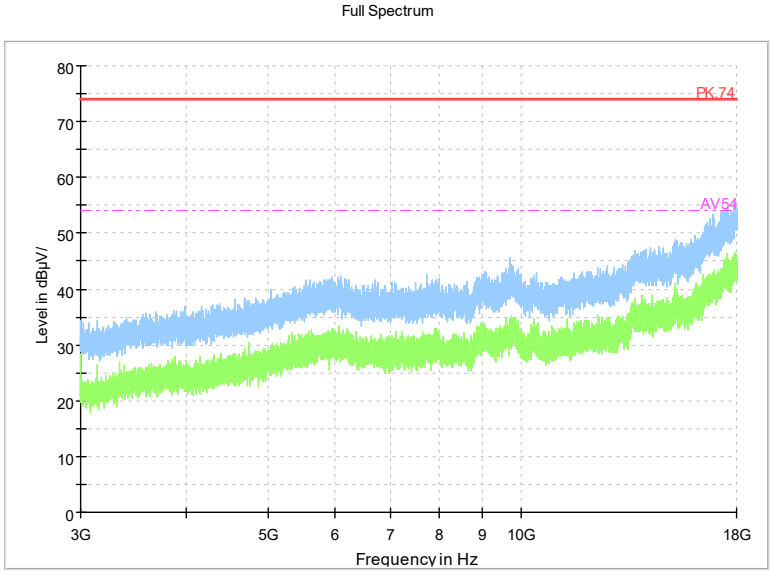
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



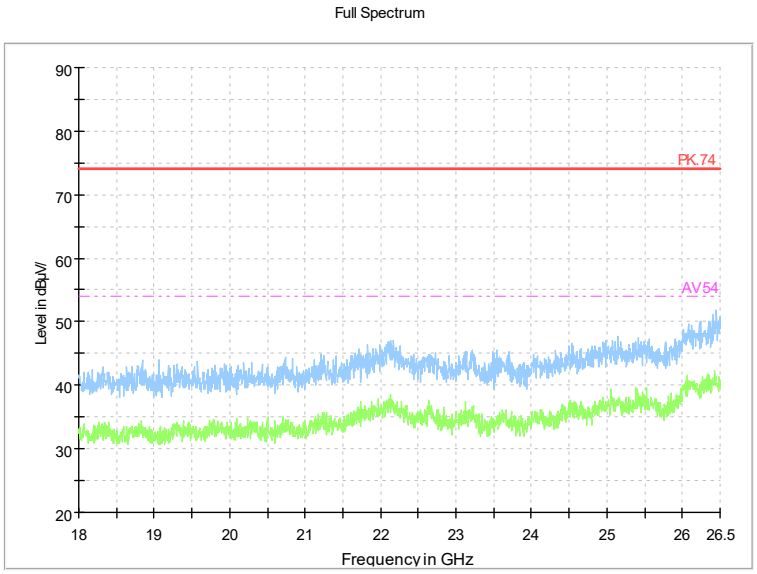
Frequency Range: 30MHz -1GHz
Detector: Detector: QP mode
Modulation type: 802.11n(HT20)



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



Frequency Range: 3GHz -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)