APPENDIX B – TEST DATA OF RADIATED EMISSION

Note1:Both horizontal and vertical polarizations of the antenna are set to make the measurement.

Note2: Evaluated two antennas type and show the worst result.

The measurement results are obtained as described below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1] 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Pic. 1 Restricted band

Frequency [MHz]	Field strength [dBμV/m]	Measured Distance [meters]
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30～88	100	3
88～216	150	3
216～960	200	3
Above 960	500	3

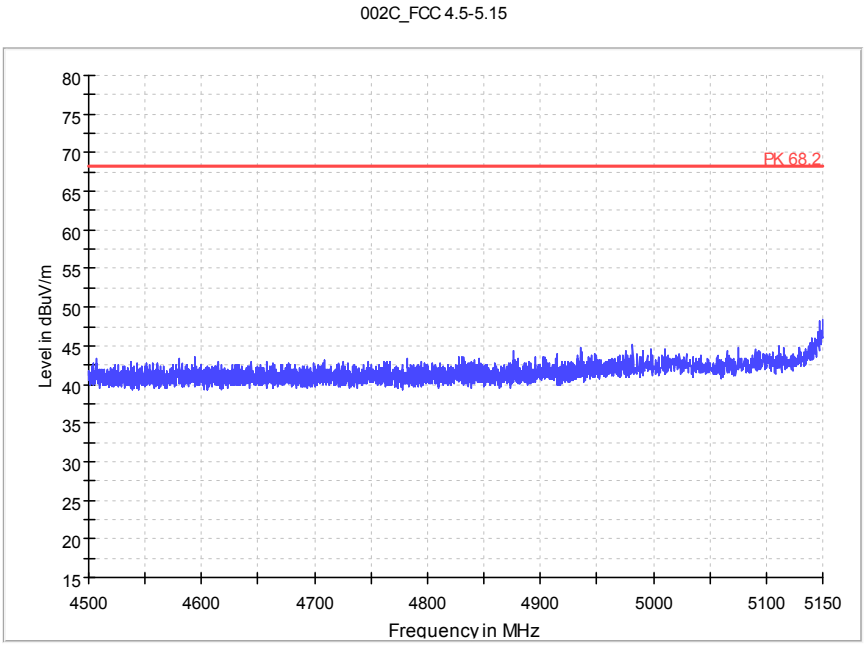
Table 1 Radiated Limits

Note1： The field strength of emissions appearing within these frequency bands shown in Pic.1 shall not exceed the limits shown in the table 1 ， the emissions outside of these frequency bands shall not exceed an 68.2dBuV/m.

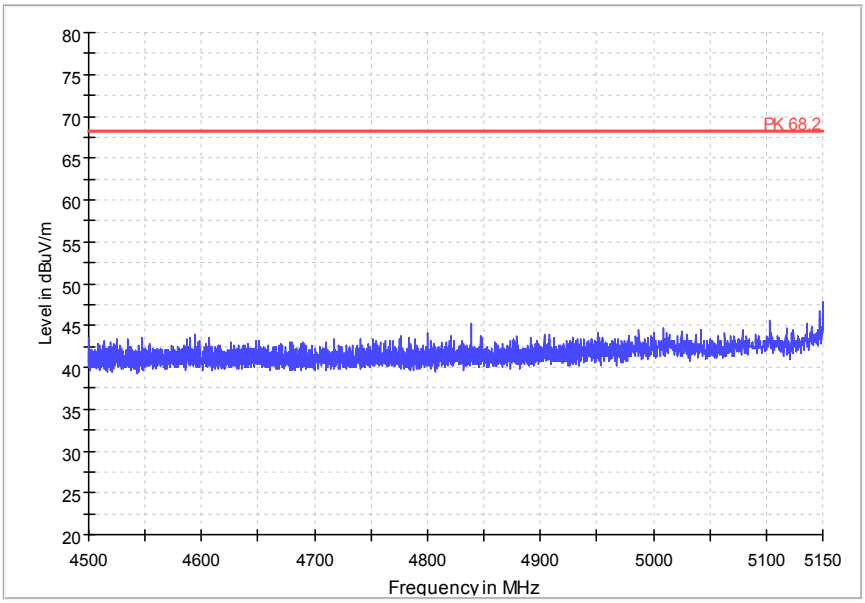
Note2： The result in this report are satisfy the Note1 requirements.

After comparison,the worst case attitude is EUT lay down.

Band Edge

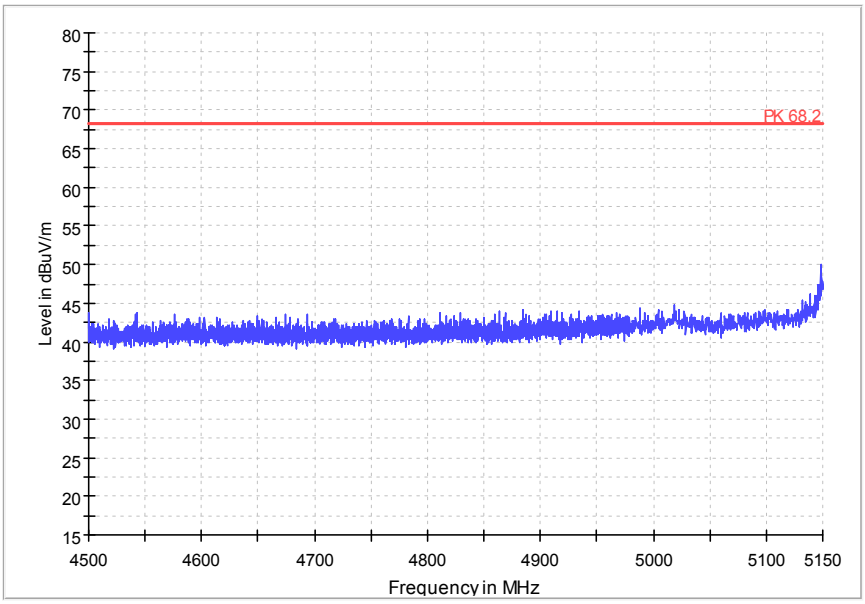


Radiated Emission Band Edge
Channel No.:36
Test Mode: 802.11a
Polarization：V



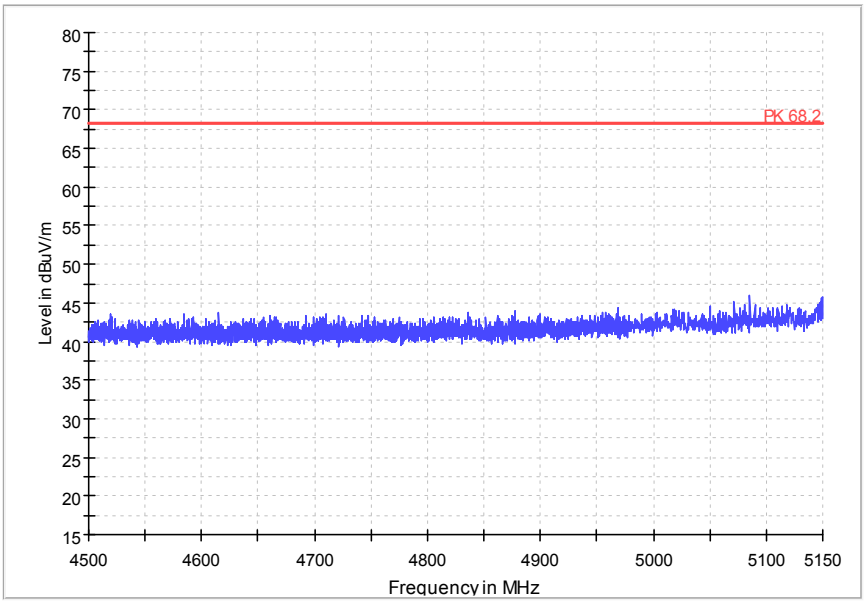
Radiated Emission Band Edge
Channel No.:36
Test Mode: 802.11a
Polarization：H

002C_FCC 4.5-5.15

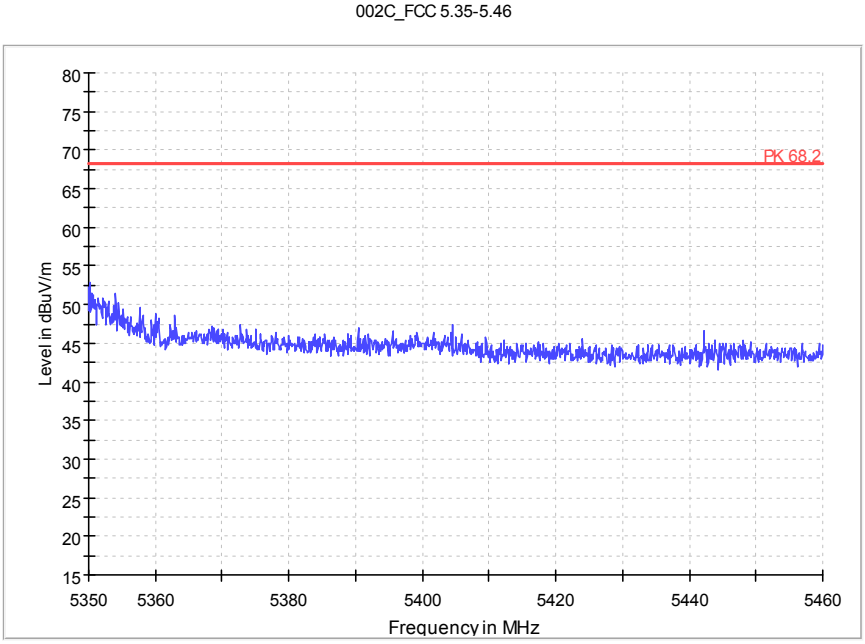


Radiated Emission Band Edge
Channel No.:36
Test Mode: 802.11n（HT20）
Polarization：V

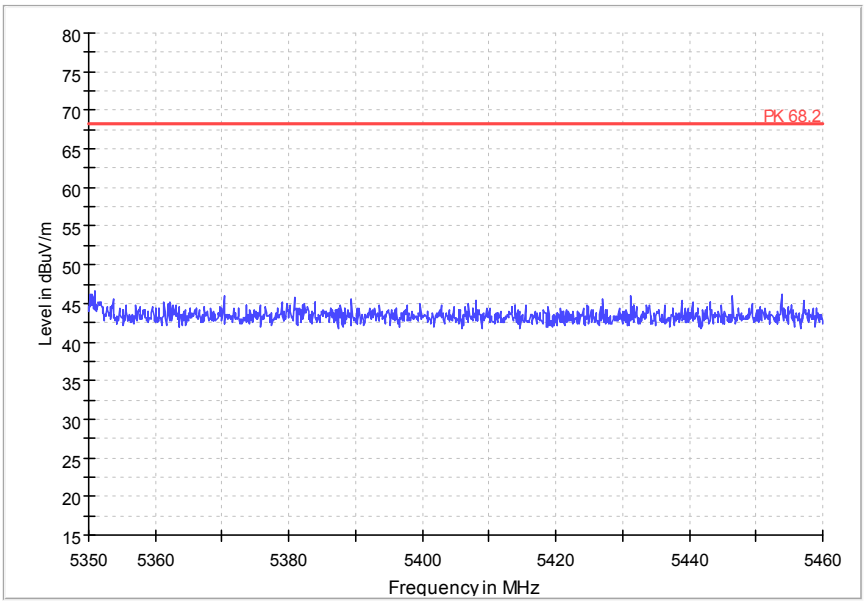
002C_FCC 4.5-5.15



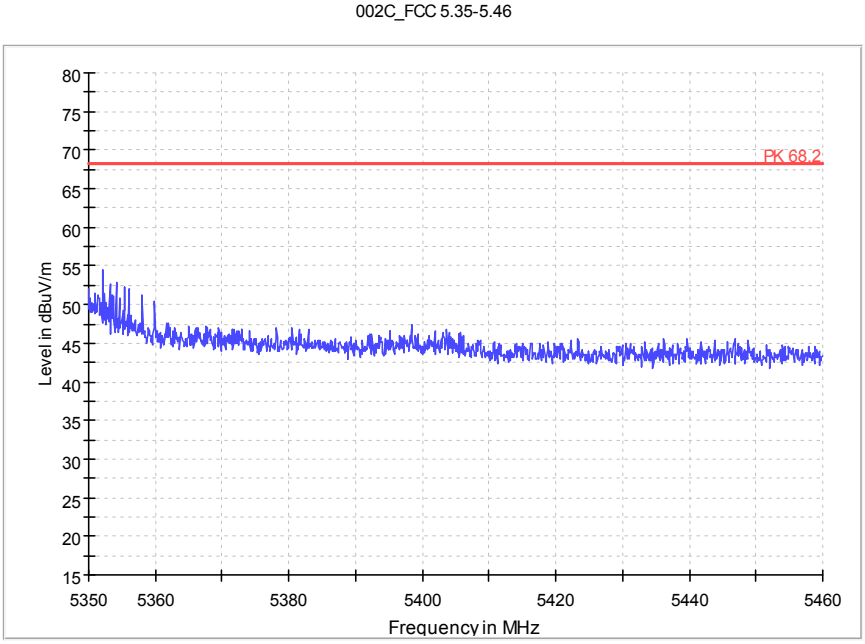
Radiated Emission Band Edge
Channel No.:36
Test Mode: 802.11n（HT20）
Polarization：H



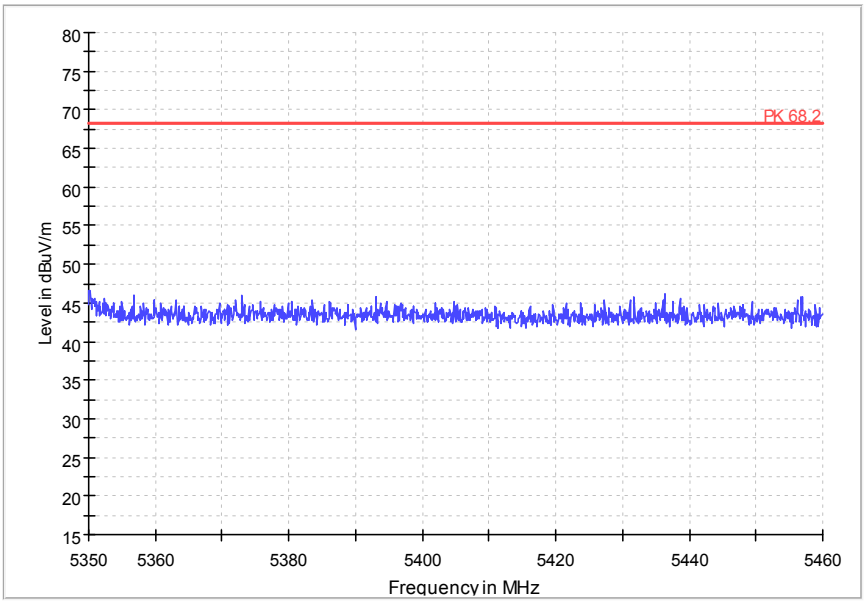
Radiated Emission Band Edge
Channel No.:64
Test Mode: 802.11a
Polarization：V



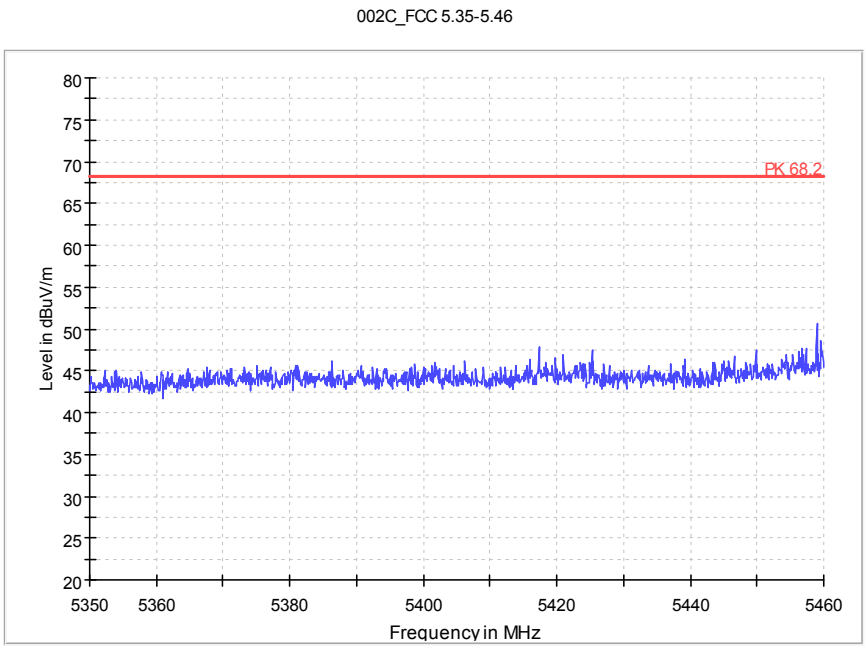
Radiated Emission Band Edge
Channel No.:64
Test Mode: 802.11a
Polarization：H



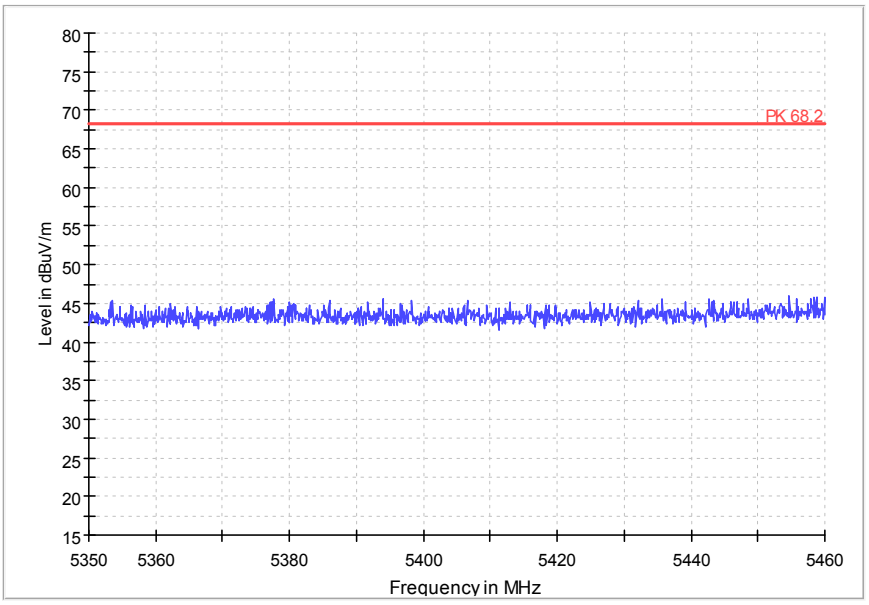
Radiated Emission Band Edge
Channel No.:64
Test Mode: 802.11n（HT20）
Polarization：V



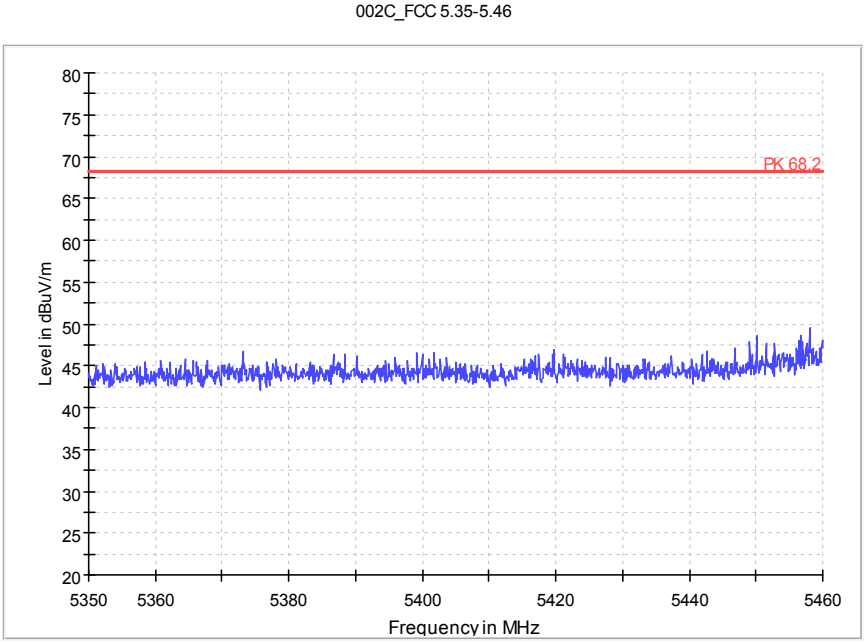
Radiated Emission Band Edge
Channel No.:64
Test Mode: 802.11n（HT20）
Polarization：H



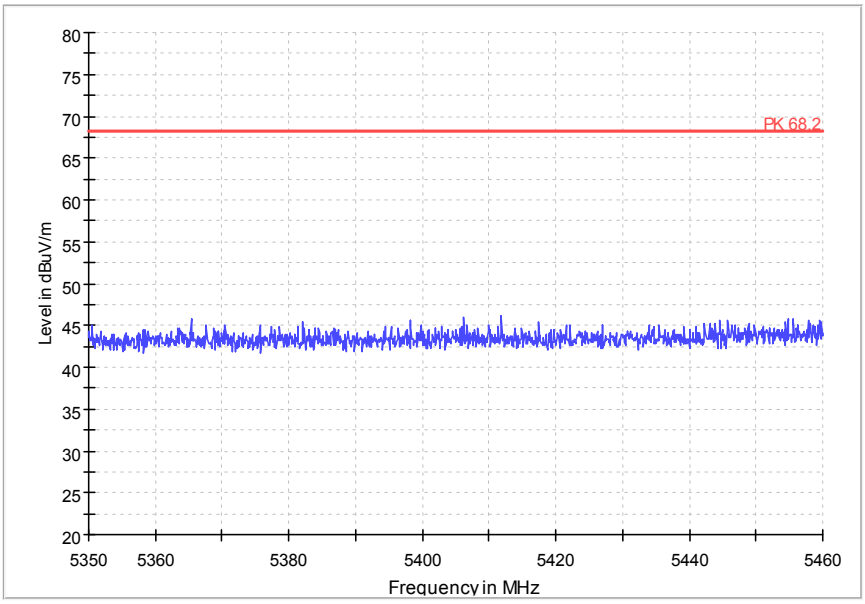
Radiated Emission Band Edge
Channel No.:100
Test Mode: 802.11a
Polarization：V



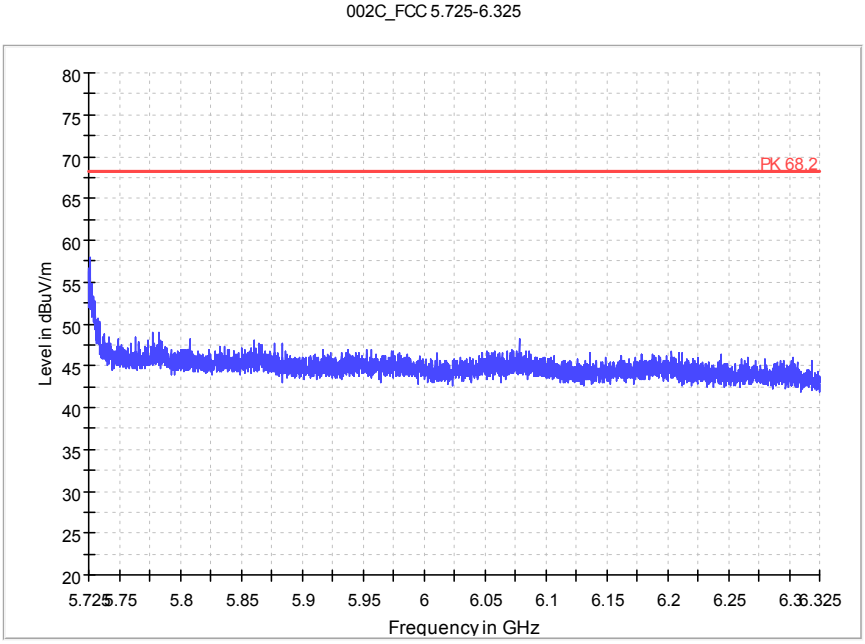
Radiated Emission Band Edge
Channel No.:100
Test Mode: 802.11a
Polarization：H



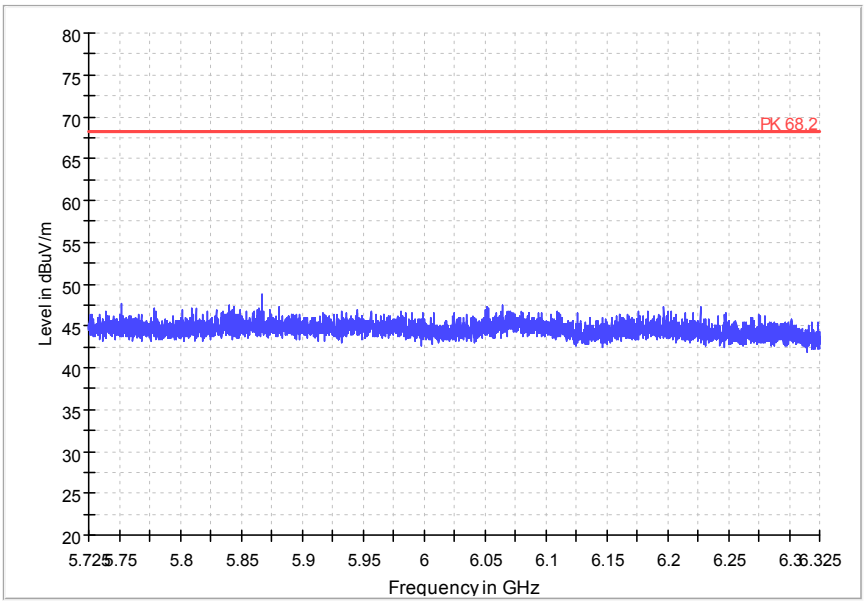
Radiated Emission Band Edge
Channel No.:100
Test Mode: 802.11n（HT20）
Polarization：V



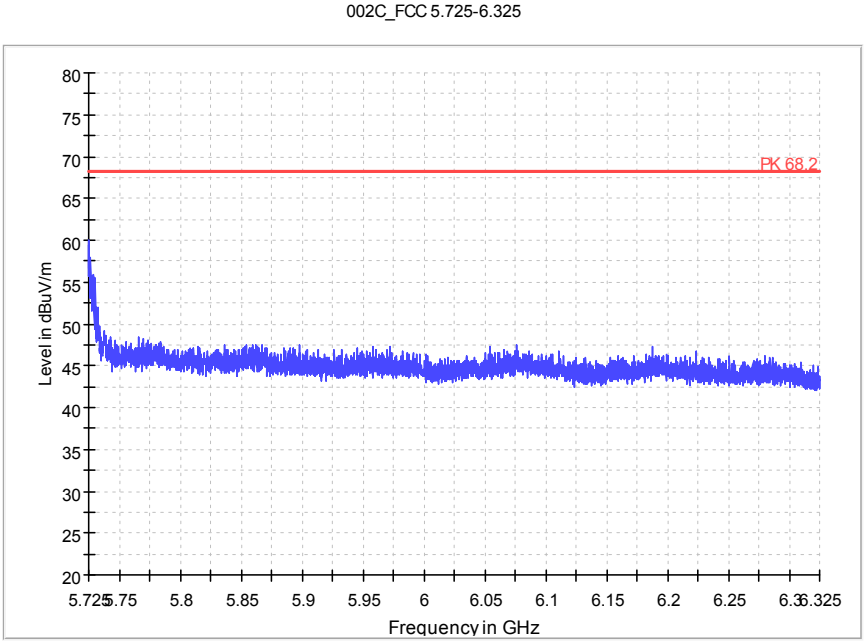
Radiated Emission Band Edge
Channel No.:100
Test Mode: 802.11n（HT20）
Polarization：H



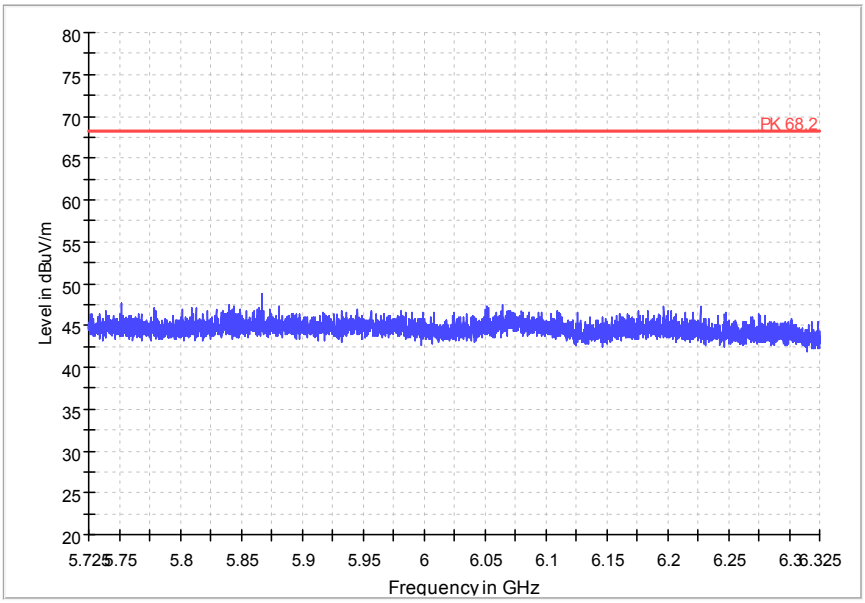
Radiated Emission Band Edge
Channel No.:140
Test Mode: 802.11a
Polarization：V



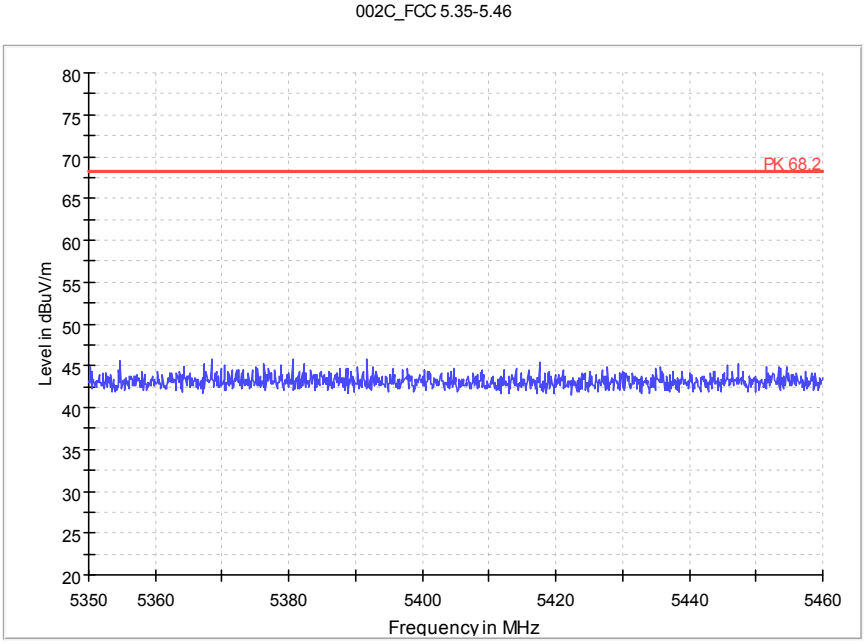
Radiated Emission Band Edge
Channel No.:140
Test Mode: 802.11a
Polarization：H



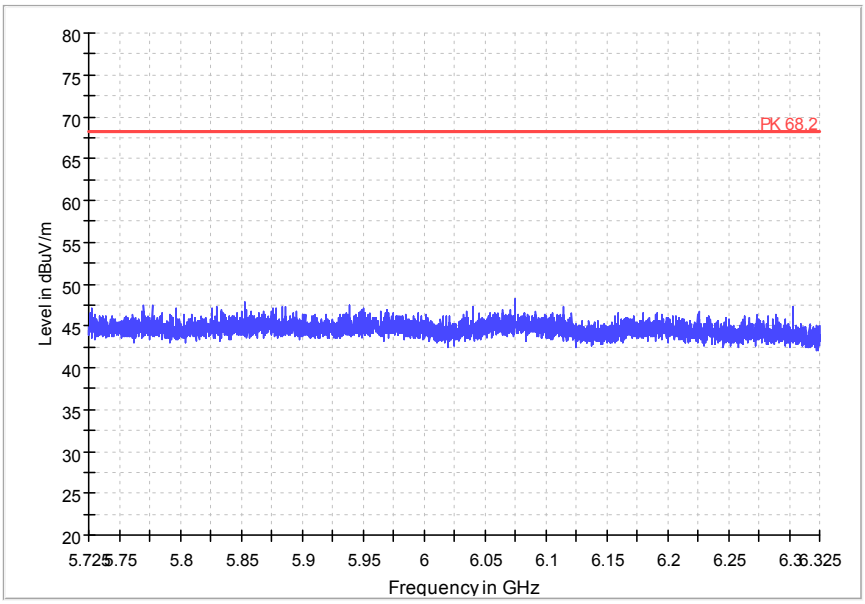
Radiated Emission Band Edge
Channel No.:140
Test Mode: 802.11n（HT20）
Polarization：V



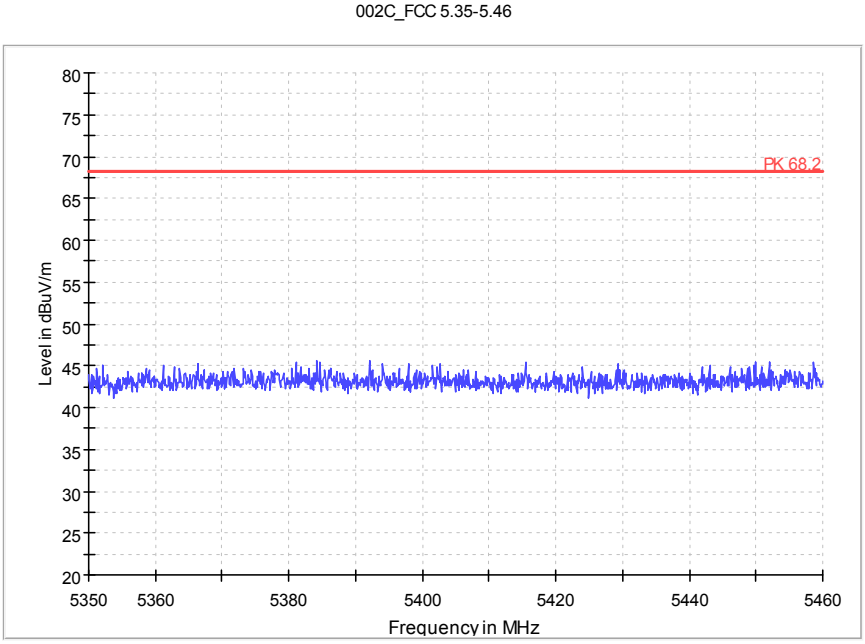
Radiated Emission Band Edge
Channel No.:140
Test Mode: 802.11n（HT20）
Polarization：H



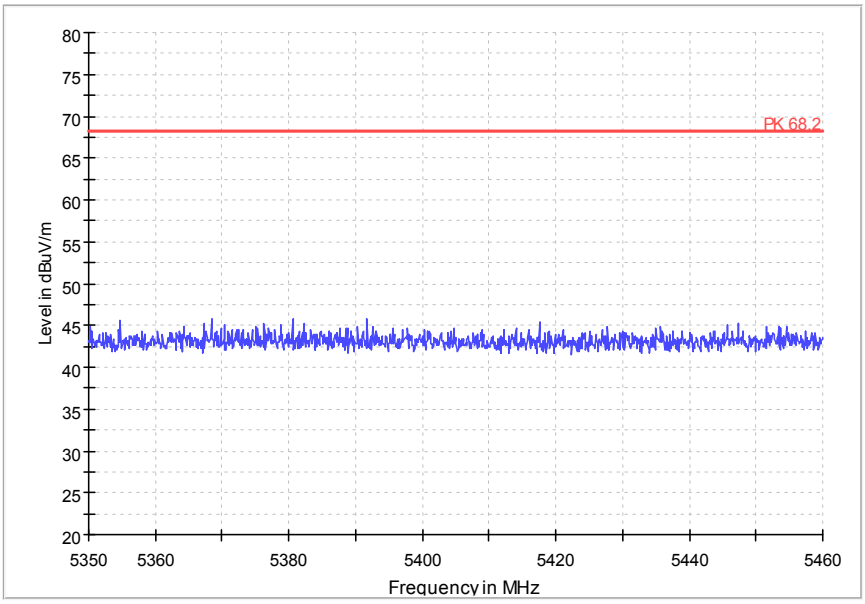
Radiated Emission Band Edge
Channel No.:149
Test Mode: 802.11a
Polarization：V



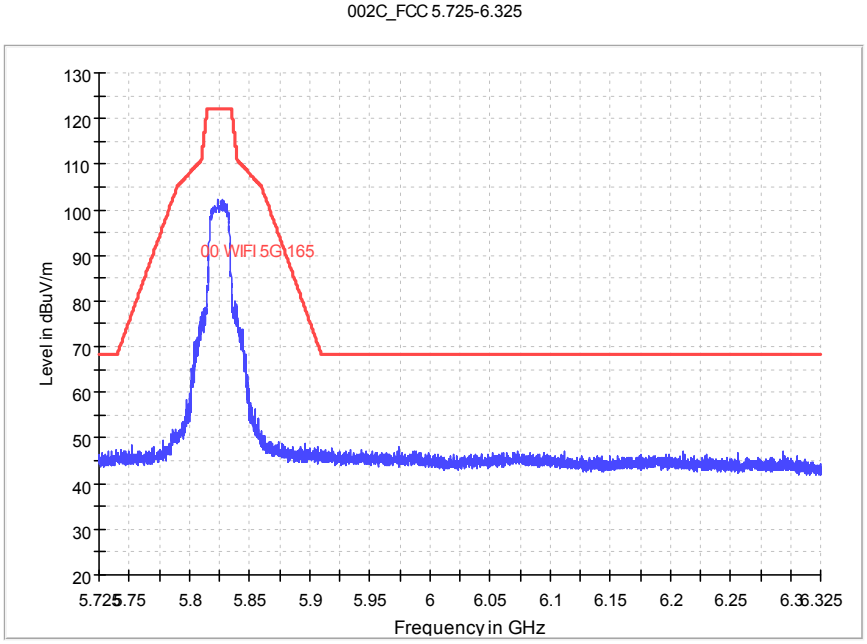
Radiated Emission Band Edge
Channel No.:149
Test Mode: 802.11a
Polarization：H



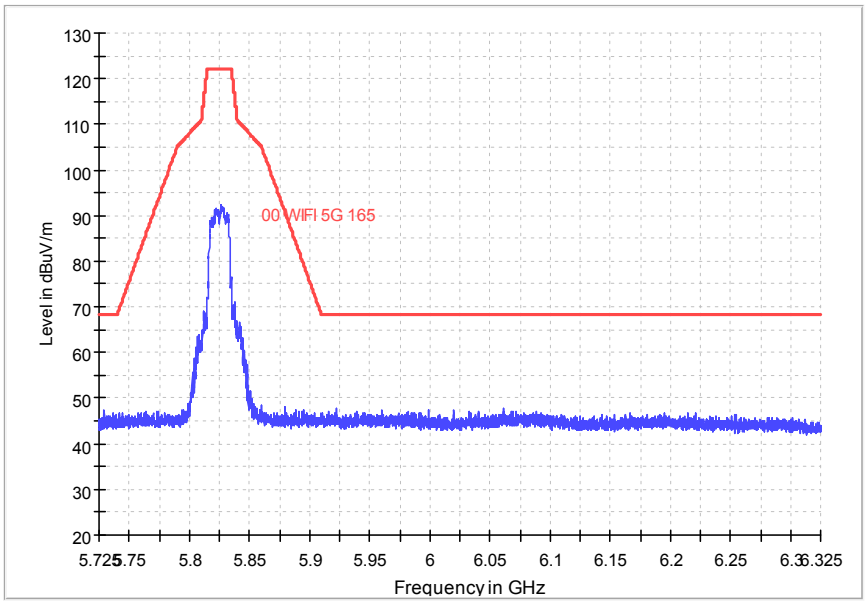
Radiated Emission Band Edge
Channel No.:149
Test Mode: 802.11n（HT20）
Polarization：V



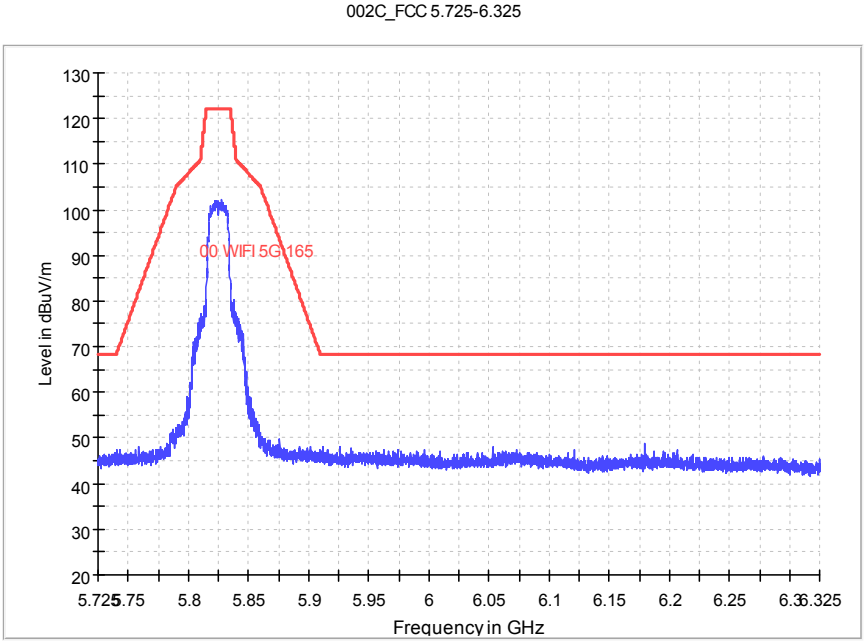
Radiated Emission Band Edge
Channel No.:149
Test Mode: 802.11n（HT20）
Polarization：H



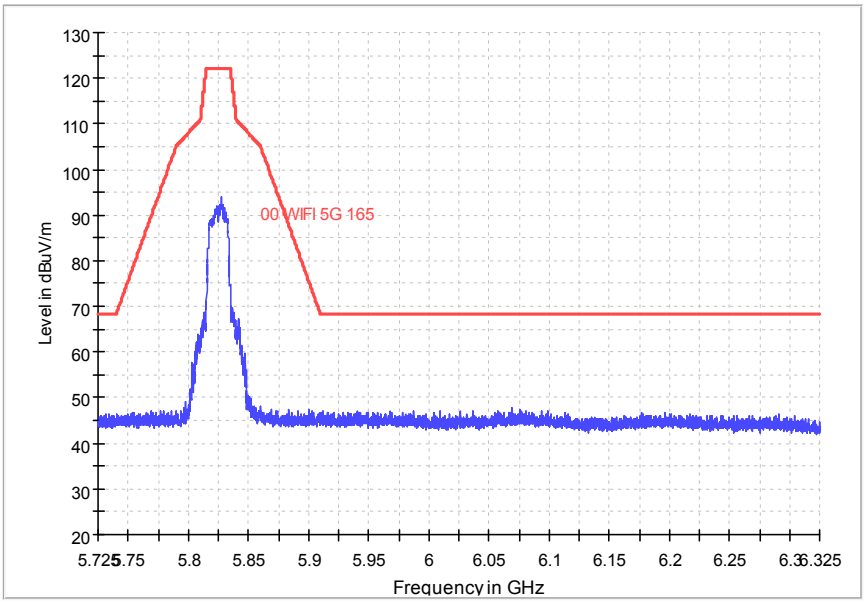
Radiated Emission Band Edge
Channel No.:165
Test Mode: 802.11a
Polarization：V



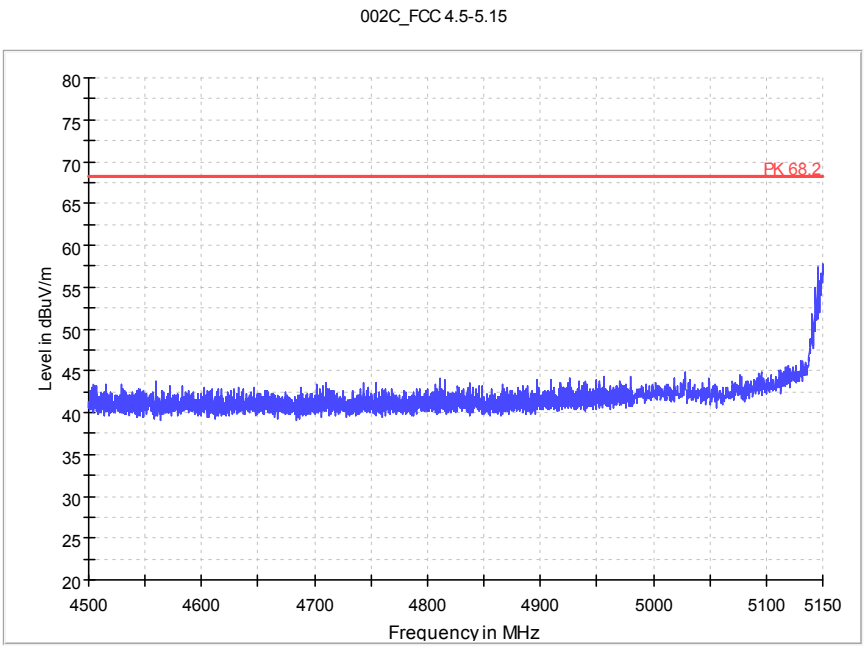
Radiated Emission Band Edge
Channel No.:165
Test Mode: 802.11a
Polarization：H



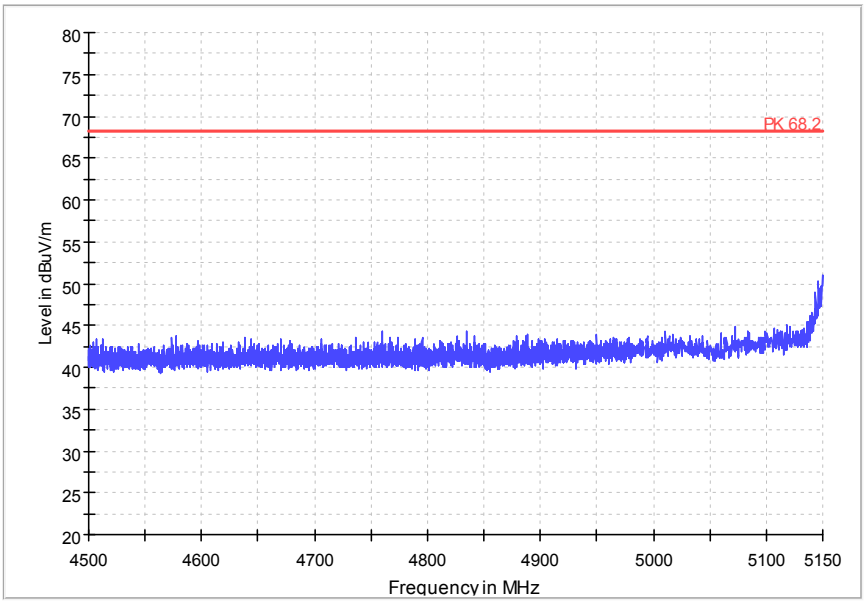
Radiated Emission Band Edge
Channel No.:165
Test Mode: 802.11n（HT20）
Polarization：V



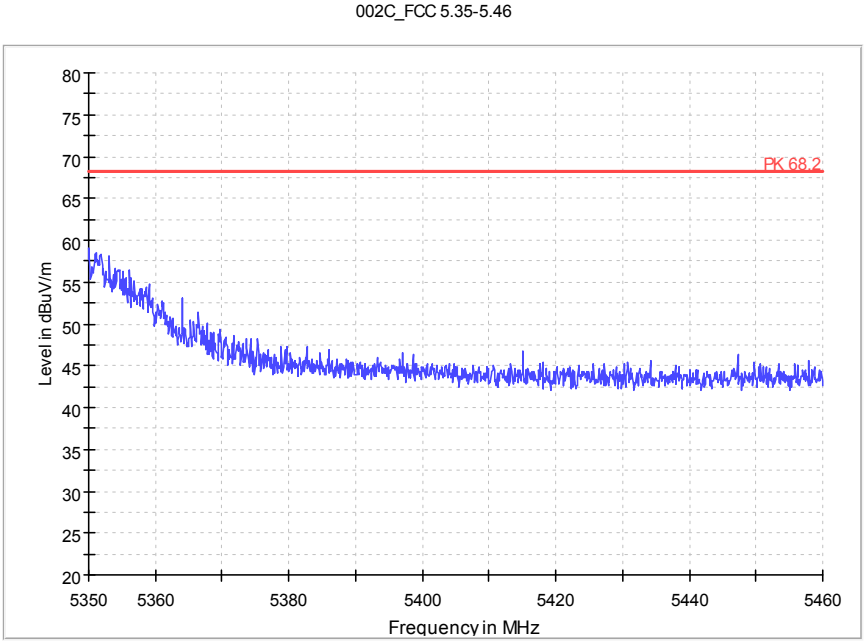
Radiated Emission Band Edge
Channel No.:165
Test Mode: 802.11n（HT20）
Polarization：H



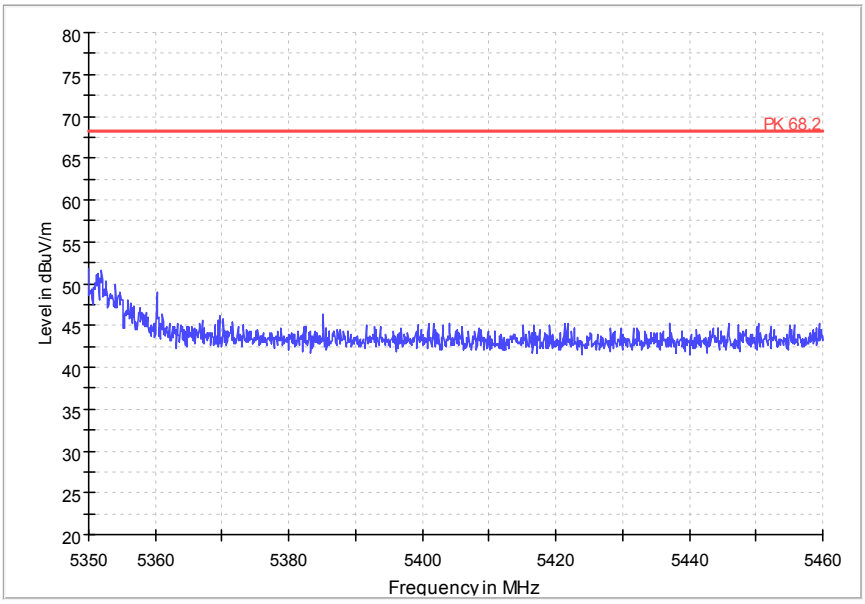
Radiated Emission Band Edge
Channel No.:38
Test Mode: 802.11n（HT40）
Polarization：V



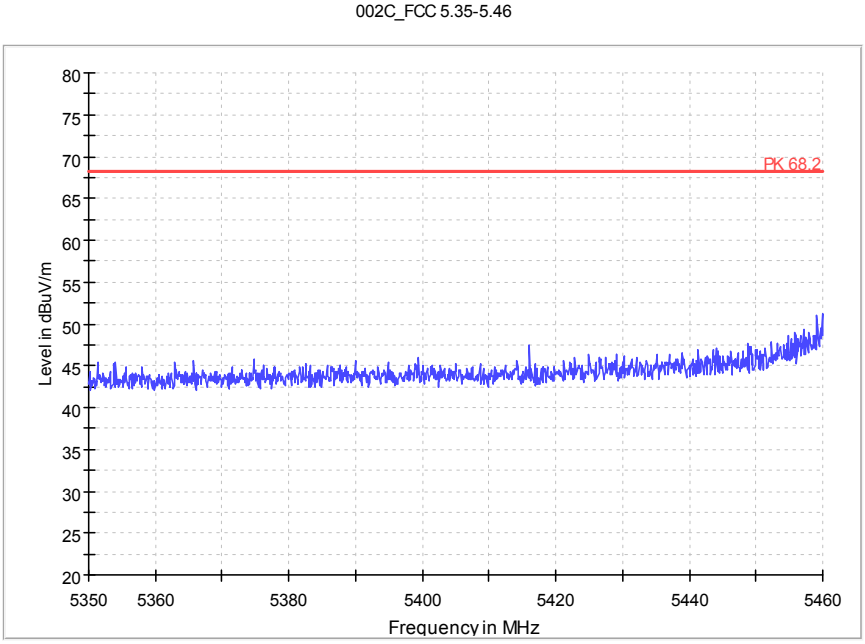
Radiated Emission Band Edge
Channel No.:38
Test Mode: 802.11n（HT40）
Polarization：H



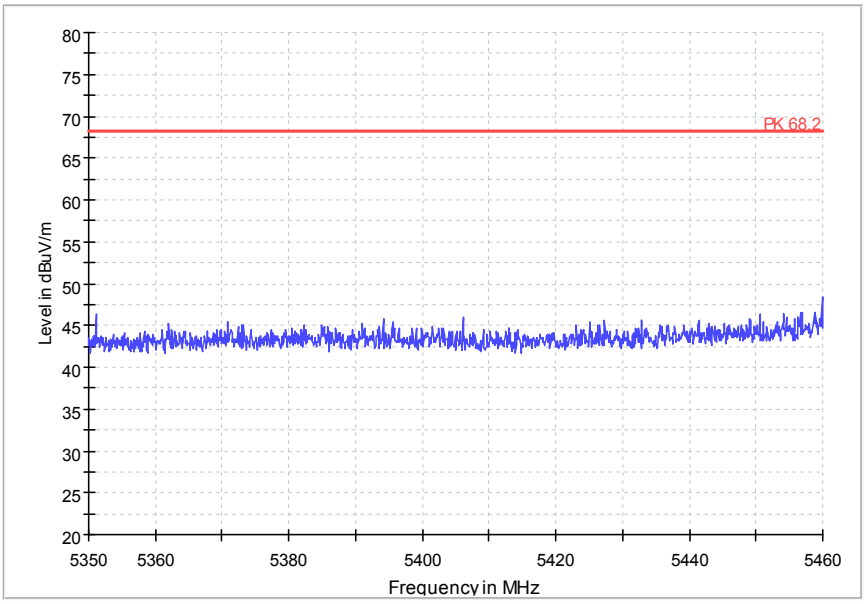
Radiated Emission Band Edge
Channel No.:62
Test Mode: 802.11n（HT40）
Polarization：V



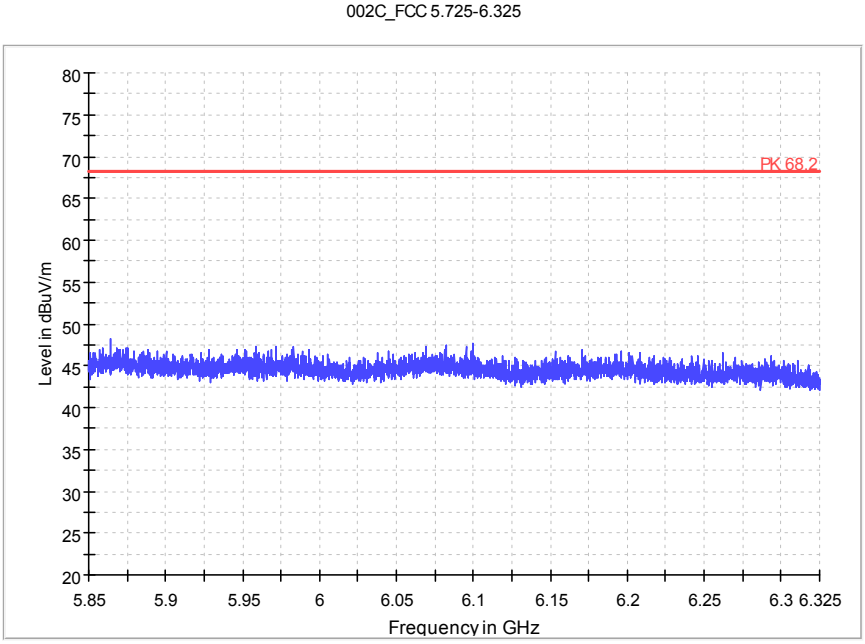
Radiated Emission Band Edge
Channel No.:62
Test Mode: 802.11n（HT40）
Polarization：H



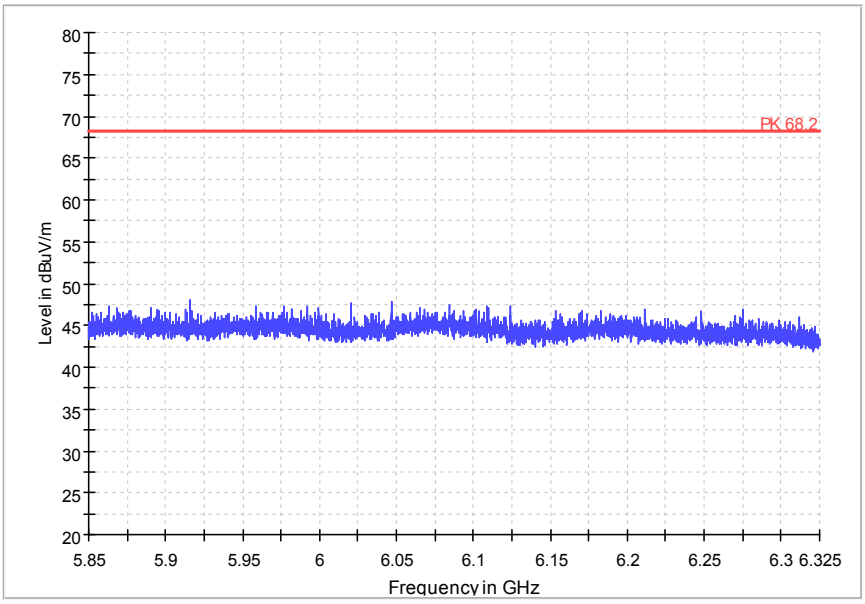
Radiated Emission Band Edge
Channel No.:102
Test Mode: 802.11n（HT40）
Polarization：V



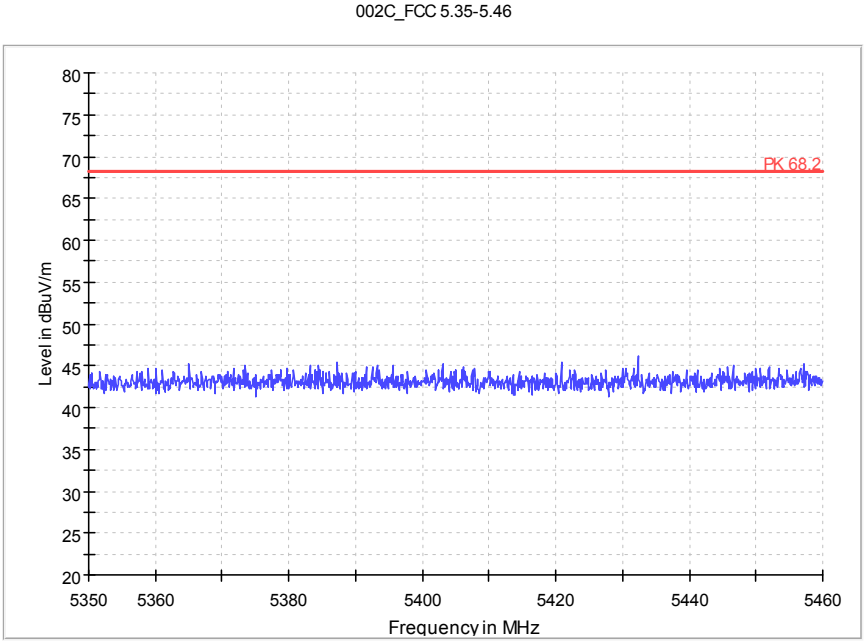
Radiated Emission Band Edge
Channel No.:102
Test Mode: 802.11n（HT40）
Polarization：H



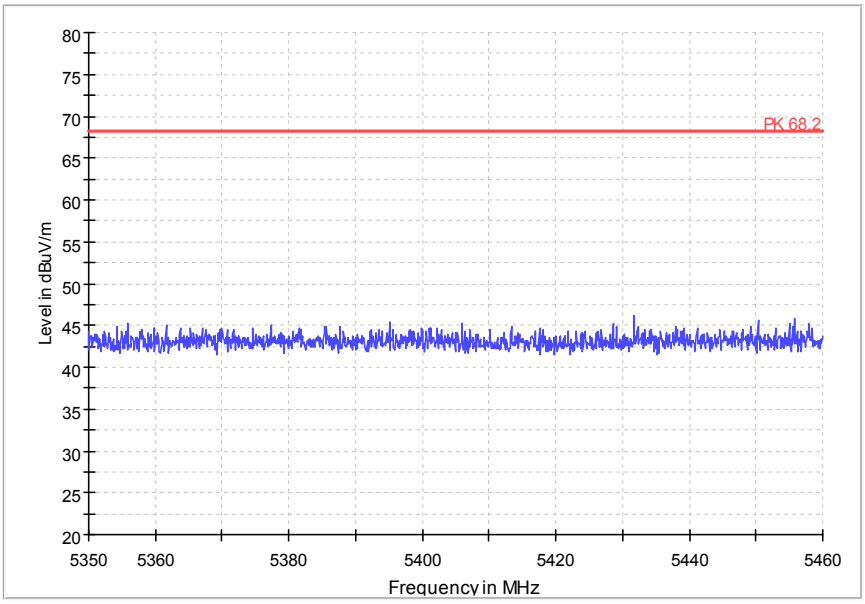
Radiated Emission Band Edge
Channel No.:142
Test Mode: 802.11n（HT40）
Polarization：V



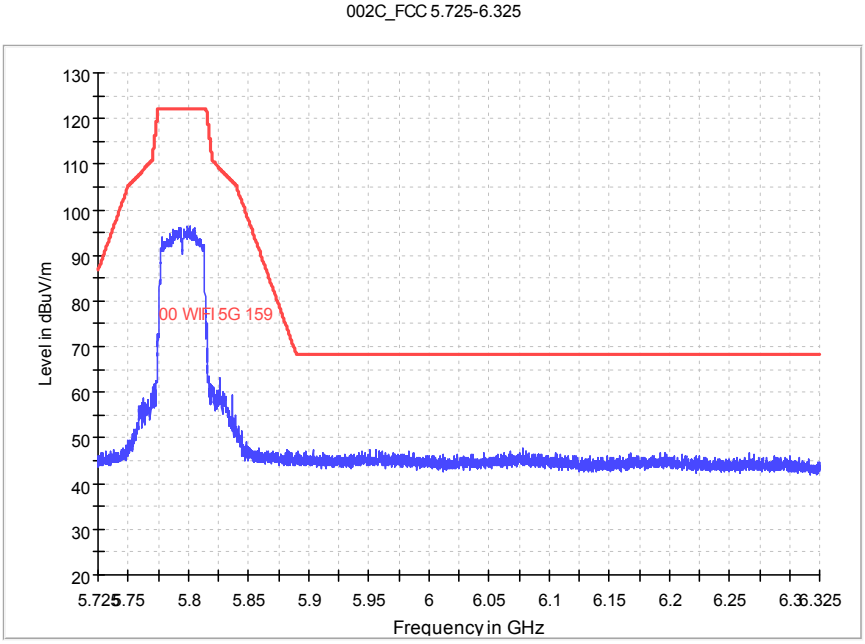
Radiated Emission Band Edge
Channel No.:142
Test Mode: 802.11n（HT40）
Polarization：H



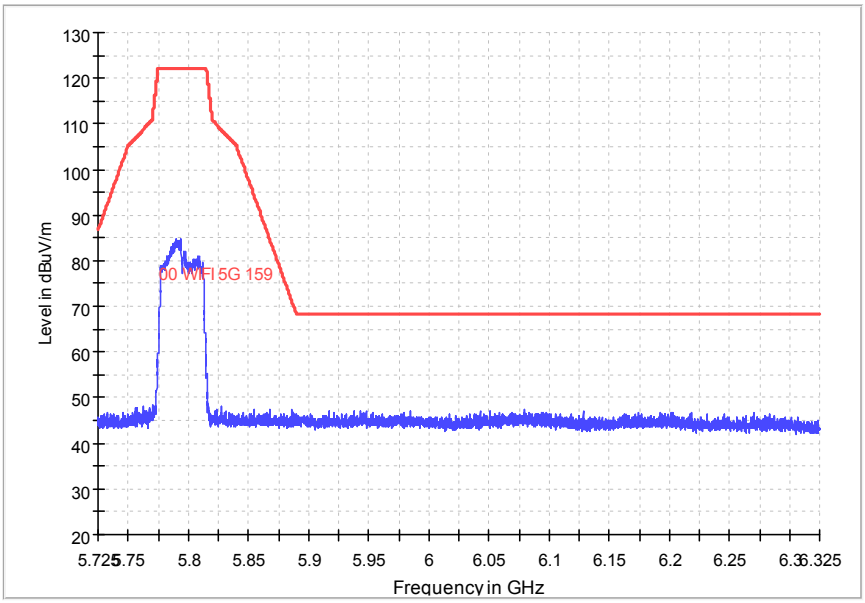
Radiated Emission Band Edge
Channel No.:151
Test Mode: 802.11n（HT40）
Polarization：V



Radiated Emission Band Edge
Channel No.:151
Test Mode: 802.11n（HT40）
Polarization：H



Radiated Emission Band Edge
Channel No.:159
Test Mode: 802.11n（HT40）
Polarization：V



Radiated Emission Band Edge
Channel No.:159
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:
Result= $P_{mea} + A_{Rpl}$
Sample calculation: (29.9 dBμV/m) = (51 dBμV) + (-21.1 dB/m), the corresponding frequency is 32.134MHz.

For 802.11aChannel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.9	-21.1	51	Vertical	40	10.10
55.705	29.92	-18.3	48.22	Vertical	40	10.08
138.252	19.62	-22.6	42.22	Vertical	43.5	23.88
235.737	34.2	-17.7	51.9	Vertical	46	11.80
498.6555	26.07	-10.7	36.77	Vertical	46	19.93
832.3355	18.02	-4.4	22.42	Vertical	46	27.98

For 802.11n(HT20)Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.1825	29.94	-21.1	51.04	Vertical	40	10.06
55.7535	30.06	-18.3	48.36	Vertical	40	9.94
138.252	19.61	-22.6	42.21	Vertical	43.5	23.89
235.3005	33.03	-17.7	50.73	Vertical	46	12.97
513.836	14.8	-10.4	25.2	Vertical	46	31.20
949.9965	18.91	-2.9	21.81	Vertical	46	27.09

For 802.11a Channel No.:44

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.81	-21.1	50.91	Vertical	40	10.19
55.7535	30.04	-18.3	48.34	Vertical	40	9.96
138.252	19.6	-22.6	42.2	Vertical	43.5	23.90
235.252	33.16	-17.7	50.86	Vertical	46	12.84
499.2375	19.98	-10.7	30.68	Vertical	46	26.02
971.7245	19.32	-2.7	22.02	Vertical	54	34.68

For 802.11n(HT20)Channel No.:44

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.81	-21.1	50.91	Vertical	40	10.19
55.7535	30.04	-18.3	48.34	Vertical	40	9.96
138.252	19.6	-22.6	42.2	Vertical	43.5	23.90

235.252	33.16	-17.7	50.86	Vertical	46	12.84
499.2375	19.98	-10.7	30.68	Vertical	46	26.02
971.7245	19.32	-2.7	22.02	Vertical	54	34.68

For 802.11a Channel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.037	28.43	-21.1	49.53	Vertical	40	11.57
55.22	29.13	-18.2	47.33	Vertical	40	10.87
138.252	19.54	-22.6	42.14	Vertical	43.5	23.96
239.9565	33.3	-17.6	50.9	Vertical	46	12.70
448.5065	14.47	-12	26.47	Vertical	46	31.53
959.551	19.47	-2.8	22.27	Vertical	46	26.53

For 802.11n(HT20)Channel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.425	28.66	-21	49.66	Vertical	40	11.34
55.6565	30.29	-18.3	48.59	Vertical	40	9.71
138.252	18.13	-22.6	40.73	Vertical	43.5	25.37
235.737	33.76	-17.7	51.46	Vertical	46	12.24
500.8865	19.08	-10.7	29.78	Vertical	46	26.92
964.3525	20.38	-2.8	23.18	Vertical	54	33.62

For 802.11n(HT40)Channel No.:38

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.5705	27.63	-21	48.63	Vertical	40	12.37
55.7535	31.02	-18.3	49.32	Vertical	40	8.98
96.736	18.4	-20	38.4	Vertical	43.5	25.10
237.8225	33.02	-17.6	50.62	Vertical	46	12.98
499.6255	25.88	-10.7	36.58	Vertical	46	20.12
976.914	20.26	-2.7	22.96	Vertical	54	33.74

For 802.11n(HT40)Channel No.:46

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	28.42	-21.1	49.52	Vertical	40	11.58
55.608	29.37	-18.3	47.67	Vertical	40	10.63
138.252	18.13	-22.6	40.73	Vertical	43.5	25.37
235.6885	33.56	-17.7	51.26	Vertical	46	12.44
499.7225	25.47	-10.7	36.17	Vertical	46	20.53
965.856	19.88	-2.8	22.68	Vertical	54	34.12

For 802.11a Channel No.:52

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
46.3445	27.83	-18.1	45.93	Vertical	40	12.17
55.7535	31.05	-18.3	49.35	Vertical	40	8.95

114.196	18.26	-20.3	38.56	Vertical	43.5	25.24
237.192	33.05	-17.6	50.65	Vertical	46	12.95
513.836	25.04	-10.4	35.44	Vertical	46	20.96
999.2725	28.39	-2.5	30.89	Vertical	54	25.61

For 802.11n(HT20)Channel No.:52

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
46.393	28.25	-18.1	46.35	Vertical	40	11.75
55.7535	31	-18.3	49.3	Vertical	40	9.00
105.175	17.58	-19.4	36.98	Vertical	43.5	25.92
235.6885	33.56	-17.7	51.26	Vertical	46	12.44
497.346	20.55	-10.7	31.25	Vertical	46	25.45
957.9505	20.61	-2.8	23.41	Vertical	46	25.39

For 802.11a Channel No.:60

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.619	27.49	-20.9	48.39	Vertical	40	12.51
55.7535	31.01	-18.3	49.31	Vertical	40	8.99
138.252	18.37	-22.6	40.97	Vertical	43.5	25.13
235.64	32.98	-17.7	50.68	Vertical	46	13.02
455.9755	25.3	-11.8	37.1	Vertical	46	20.70
998.545	30.92	-2.5	33.42	Vertical	54	23.08

For 802.11n(HT20)Channel No.:60

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
31.7945	27.03	-21.1	48.13	Vertical	40	12.97
55.6565	30.24	-18.3	48.54	Vertical	40	9.76
138.252	18.1	-22.6	40.7	Vertical	43.5	25.40
237.871	33.25	-17.6	50.85	Vertical	46	12.75
455.9755	24.47	-11.8	36.27	Vertical	46	21.53
996.12	25.4	-2.5	27.9	Vertical	54	28.60

For 802.11a Channel No.:64

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.2795	28.58	-21	49.58	Vertical	40	11.42
55.705	30.47	-18.3	48.77	Vertical	40	9.53
138.252	18.69	-22.6	41.29	Vertical	43.5	24.81
237.968	32.88	-17.6	50.48	Vertical	46	13.12
497.928	21.15	-10.7	31.85	Vertical	46	24.85
997.1385	25.23	-2.5	27.73	Vertical	54	28.77

For 802.11n(HT20)Channel No.:64

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.42	-21.1	50.52	Vertical	40	10.58
54.9775	29.26	-18.2	47.46	Vertical	40	10.74
123.605	18.66	-21.6	40.26	Vertical	43.5	24.84
239.9565	33.11	-17.6	50.71	Vertical	46	12.89
500.159	18.99	-10.7	29.69	Vertical	46	27.01
998.4965	25.33	-2.5	27.83	Vertical	54	28.67

For 802.11n(HT40)Channel No.:54

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.037	28.1	-21.1	49.2	Vertical	40	11.90
55.6565	30.11	-18.3	48.41	Vertical	40	9.89
138.252	18.76	-22.6	41.36	Vertical	43.5	24.74
237.8225	33.15	-17.6	50.75	Vertical	46	12.85
499.189	22.02	-10.7	32.72	Vertical	46	23.98
997.478	25.73	-2.5	28.23	Vertical	54	28.27

For 802.11n(HT40)Channel No.:62

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.716	28.49	-20.9	49.39	Vertical	40	11.51
54.9775	29.27	-18.2	47.47	Vertical	40	10.73
138.252	18.61	-22.6	41.21	Vertical	43.5	24.89
233.5545	31.91	-17.7	49.61	Vertical	46	14.09
455.9755	24.83	-11.8	36.63	Vertical	46	21.17
995.8775	25.3	-2.5	27.8	Vertical	54	28.70

For 802.11a Channel No.:100

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.0855	28.96	-21.1	50.06	Vertical	40	11.04
55.22	29.74	-18.2	47.94	Vertical	40	10.26
138.252	18.67	-22.6	41.27	Vertical	43.5	24.83
235.5915	32.19	-17.7	49.89	Vertical	46	13.81
455.9755	24.42	-11.8	36.22	Vertical	46	21.58
955.1375	19.53	-2.9	22.43	Vertical	46	26.47

For 802.11n(HT20)Channel No.:100

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.0855	29.09	-21.1	50.19	Vertical	40	10.91
55.6565	30.09	-18.3	48.39	Vertical	40	9.91

126.224	16.25	-21.9	38.15	Vertical	43.5	27.25
237.871	33.4	-17.6	51	Vertical	46	12.60
455.9755	25.46	-11.8	37.26	Vertical	46	20.54
996.217	25.06	-2.5	27.56	Vertical	54	28.94

For 802.11a Channel No.:120

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.1825	29.32	-21.1	50.42	Vertical	40	10.68
55.802	30.28	-18.3	48.58	Vertical	40	9.72
106.339	18.07	-19.5	37.57	Vertical	43.5	25.43
235.64	33.02	-17.7	50.72	Vertical	46	12.98
455.9755	25.52	-11.8	37.32	Vertical	46	20.48
997.769	25.5	-2.5	28	Vertical	54	28.50

For 802.11n(HT20)Channel No.:120

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.7645	28.55	-20.9	49.45	Vertical	40	11.45
55.2685	29.77	-18.2	47.97	Vertical	40	10.23
138.252	18.73	-22.6	41.33	Vertical	43.5	24.77
235.834	32.91	-17.7	50.61	Vertical	46	13.09
455.9755	10.85	-11.8	22.65	Vertical	46	35.15
996.2655	18.99	-2.5	21.49	Vertical	54	35.01

For 802.11a Channel No.:140

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.1825	29.95	-21.1	51.05	Vertical	40	10.05
61.913	26.43	-19.3	45.73	Vertical	40	13.57
138.252	19.13	-22.6	41.73	Vertical	43.5	24.37
235.834	33.52	-17.7	51.22	Vertical	46	12.48
455.9755	27.11	-11.8	38.91	Vertical	46	18.89
997.187	25.45	-2.5	27.95	Vertical	54	28.55

For 802.11n(HT20)Channel No.:140

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.96	-21.1	51.06	Vertical	40	10.04
55.608	29.56	-18.3	47.86	Vertical	40	10.44
105.563	18.33	-19.4	37.73	Vertical	43.5	25.17
235.6885	33.72	-17.7	51.42	Vertical	46	12.28
455.9755	27.57	-11.8	39.37	Vertical	46	18.43
998.06	25.15	-2.5	27.65	Vertical	54	28.85

For 802.11n(HT40)Channel No.:102

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.716	29.07	-20.9	49.97	Vertical	40	10.93
62.5435	26.96	-19.5	46.46	Vertical	40	13.04
138.252	19.04	-22.6	41.64	Vertical	43.5	24.46
240.005	34.68	-17.6	52.28	Vertical	46	11.32
455.9755	26.91	-11.8	38.71	Vertical	46	19.09
959.9875	21.35	-2.8	24.15	Vertical	46	24.65

For 802.11n(HT40)Channel No.:118

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.93	-21.1	51.03	Vertical	40	10.07
55.705	30.84	-18.3	49.14	Vertical	40	9.16
108.182	17.22	-19.5	36.72	Vertical	43.5	26.28
240.005	34.73	-17.6	52.33	Vertical	46	11.27
455.9755	27.24	-11.8	39.04	Vertical	46	18.76
959.26	20.67	-2.8	23.47	Vertical	46	25.33

For 802.11n(HT40)Channel No.:142

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.98	-21.1	51.08	Vertical	40	10.02
55.802	30.95	-18.3	49.25	Vertical	40	9.05
138.252	19.07	-22.6	41.67	Vertical	43.5	24.43
237.8225	33.53	-17.6	51.13	Vertical	46	12.47
455.9755	26.52	-11.8	38.32	Vertical	46	19.48
957.9505	21.36	-2.8	24.16	Vertical	46	24.64

For 802.11a Channel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.619	28.31	-20.9	49.21	Vertical	40	11.69
55.7535	31.03	-18.3	49.33	Vertical	40	8.97
138.252	19.1	-22.6	41.7	Vertical	43.5	24.40
235.834	33.55	-17.7	51.25	Vertical	46	12.45
455.9755	26.42	-11.8	38.22	Vertical	46	19.58
958.5325	20.46	-2.8	23.26	Vertical	46	25.54

For 802.11n(HT20) Channel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
33.589	27.82	-20.7	48.52	Vertical	40	12.18
55.608	29.63	-18.3	47.93	Vertical	40	10.37

138.252	19.13	-22.6	41.73	Vertical	43.5	24.37
237.871	33.82	-17.6	51.42	Vertical	46	12.18
455.9755	25.82	-11.8	37.62	Vertical	46	20.18
996.8475	25.47	-2.5	27.97	Vertical	54	28.53

For 802.11a Channel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.98	-21.1	51.08	Vertical	40	10.02
55.7535	31.02	-18.3	49.32	Vertical	40	8.98
138.252	19.05	-22.6	41.65	Vertical	43.5	24.45
235.834	33.62	-17.7	51.32	Vertical	46	12.38
455.9755	25.81	-11.8	37.61	Vertical	46	20.19
956.641	19.78	-2.8	22.58	Vertical	46	26.22

For 802.11n(HT20) Channel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.716	29.23	-20.9	50.13	Vertical	40	10.77
55.705	30.74	-18.3	49.04	Vertical	40	9.26
105.563	18.93	-19.4	38.33	Vertical	43.5	24.57
235.6885	33.94	-17.7	51.64	Vertical	46	12.06
455.9755	26.46	-11.8	38.26	Vertical	46	19.54
958.096	19.65	-2.8	22.45	Vertical	46	26.35

For 802.11a Channel No.:165

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.83	-21.1	50.93	Vertical	40	10.17
56.481	29.62	-18.4	48.02	Vertical	40	10.38
138.252	18.36	-22.6	40.96	Vertical	43.5	25.14
239.9565	33.8	-17.6	51.4	Vertical	46	12.20
455.9755	25.94	-11.8	37.74	Vertical	46	20.06
958.581	21.46	-2.8	24.26	Vertical	46	24.54

For 802.11n(HT20) Channel No.:165

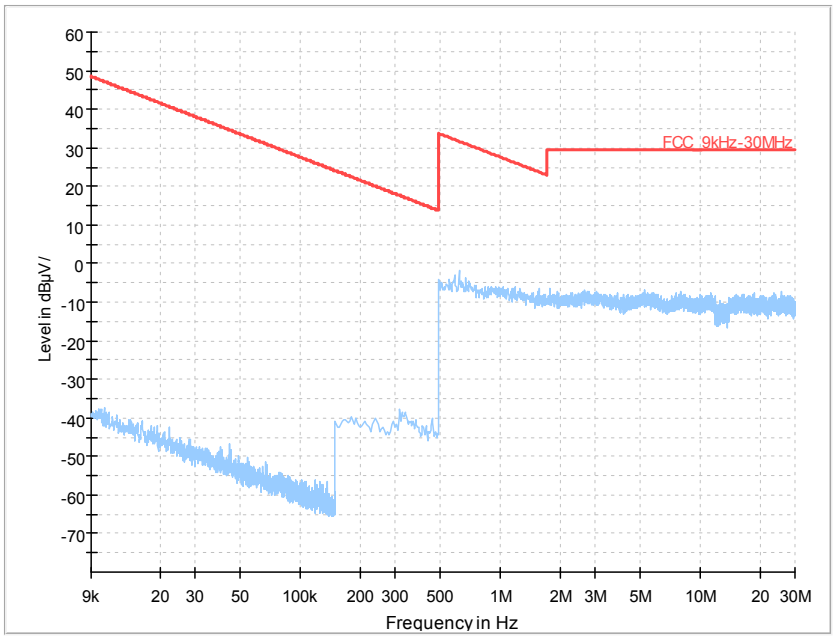
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.134	29.8	-21.1	50.9	Vertical	40	10.20
55.705	30.67	-18.3	48.97	Vertical	40	9.33
138.252	19.23	-22.6	41.83	Vertical	43.5	24.27
237.8225	33.67	-17.6	51.27	Vertical	46	12.33
455.9755	25.95	-11.8	37.75	Vertical	46	20.05
958.6295	20.59	-2.8	23.39	Vertical	46	25.41

For 802.11n(HT40) Channel No.:151

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.1825	29.66	-21.1	50.76	Vertical	40	10.34
55.705	30.65	-18.3	48.95	Vertical	40	9.35
96.93	19.81	-19.9	39.71	Vertical	43.5	23.69
239.9565	33.77	-17.6	51.37	Vertical	46	12.23
455.9755	26.56	-11.8	38.36	Vertical	46	19.44
959.939	20.63	-2.8	23.43	Vertical	46	25.37

For 802.11n(HT40) Channel No.:159

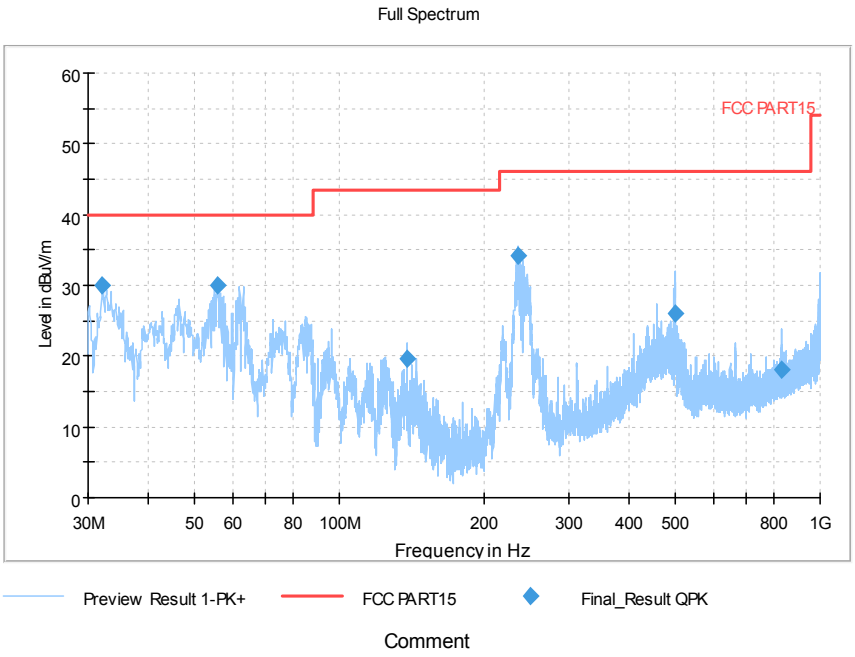
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.0855	29.07	-21.1	50.17	Vertical	40	10.93
55.026	29.52	-18.2	47.72	Vertical	40	10.48
138.252	18.4	-22.6	41	Vertical	43.5	25.10
235.7855	33.85	-17.7	51.55	Vertical	46	12.15
449.234	16.05	-12	28.05	Vertical	46	29.95
956.544	19.99	-2.8	22.79	Vertical	46	26.01



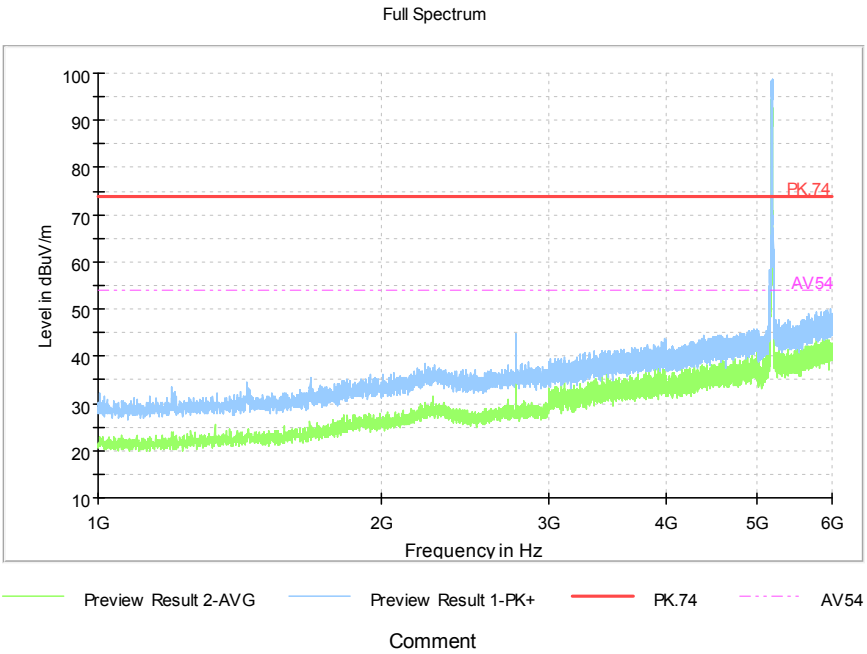
Frequency Range: 9kHz -30MHz
Detector: QP mode

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.

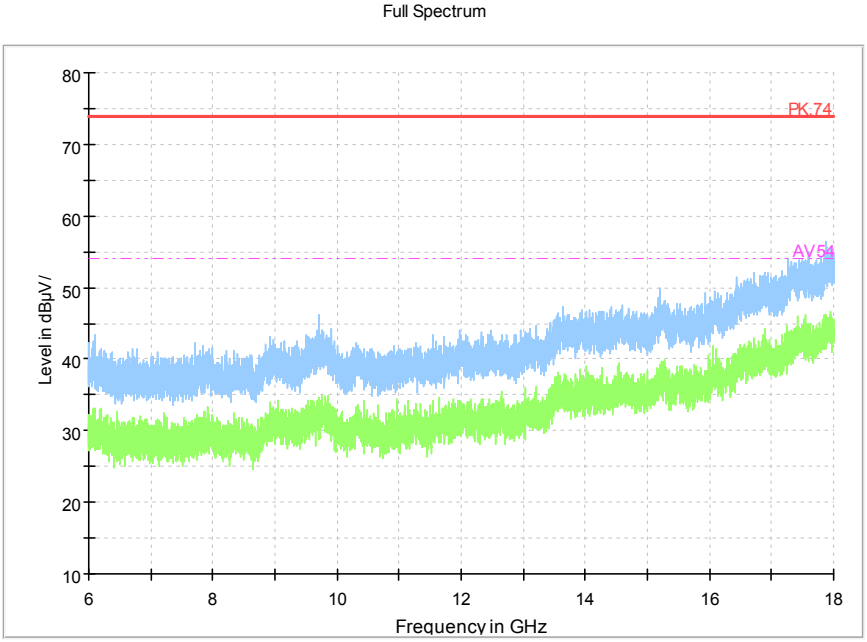
Carrier frequency (MHz): 5180
Channel No.:36



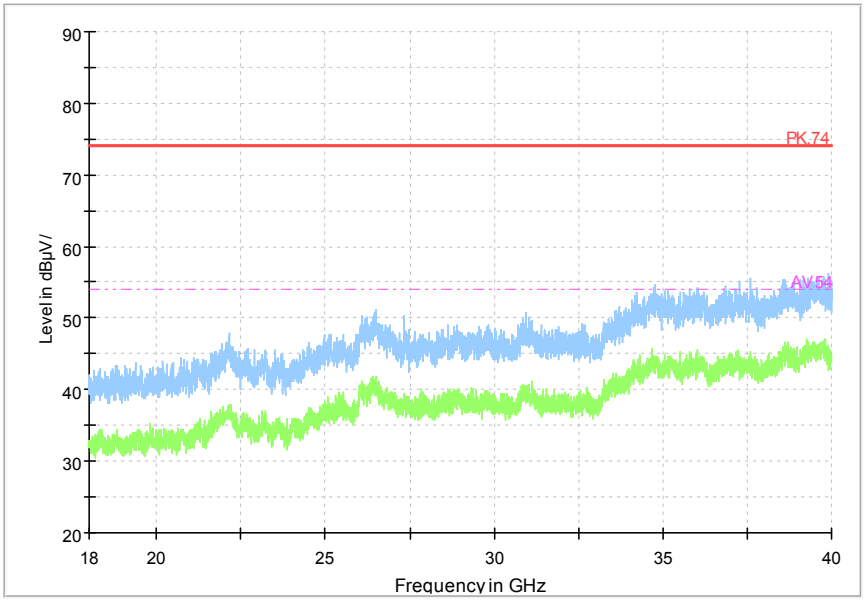
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



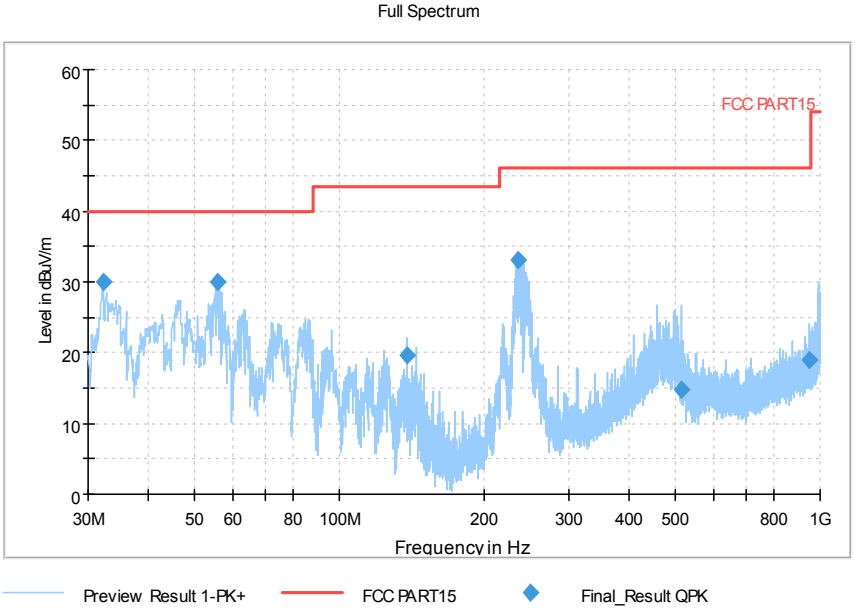
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



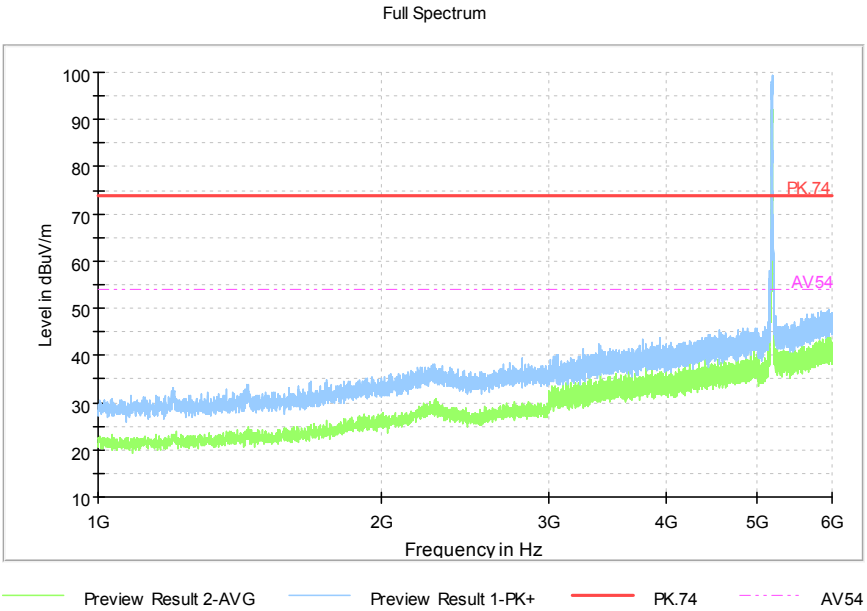
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



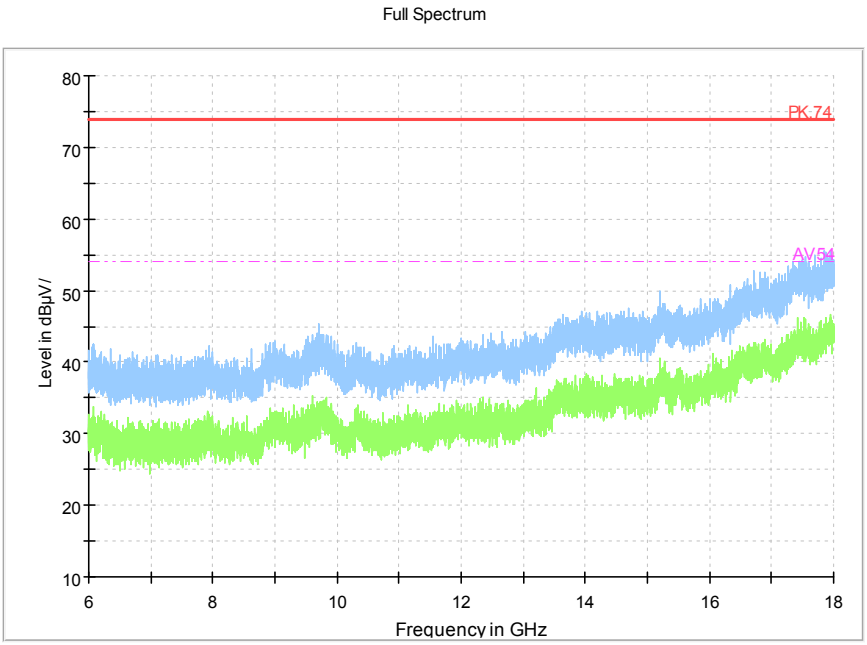
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



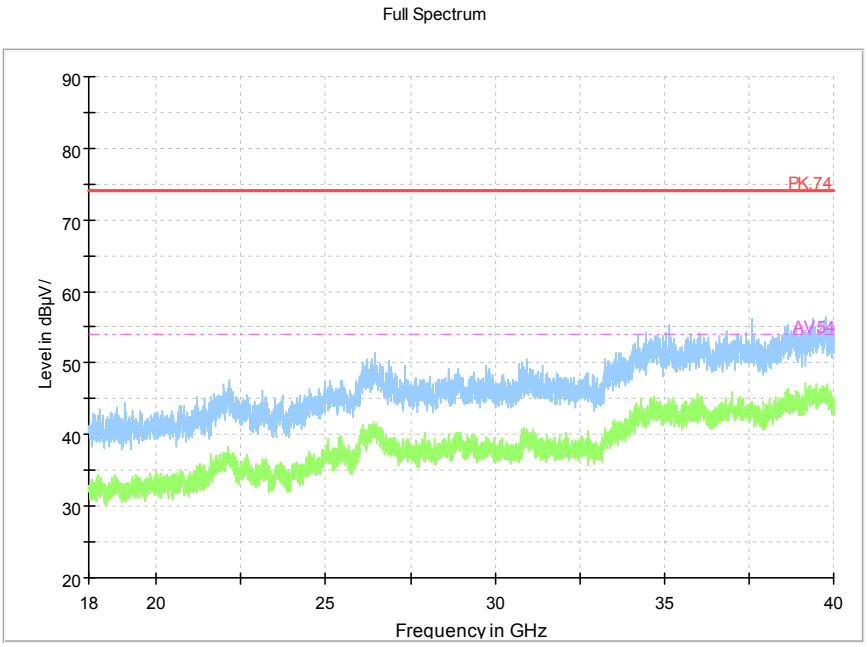
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

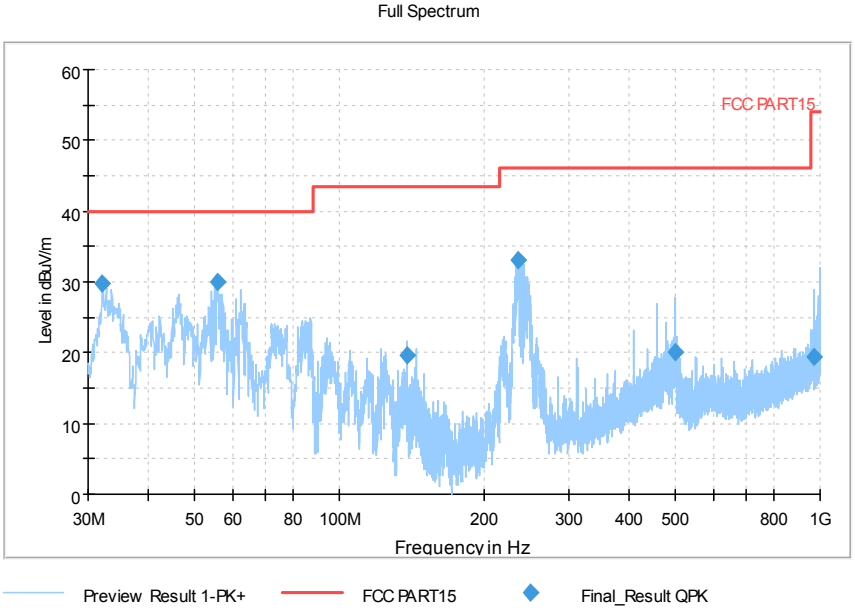


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

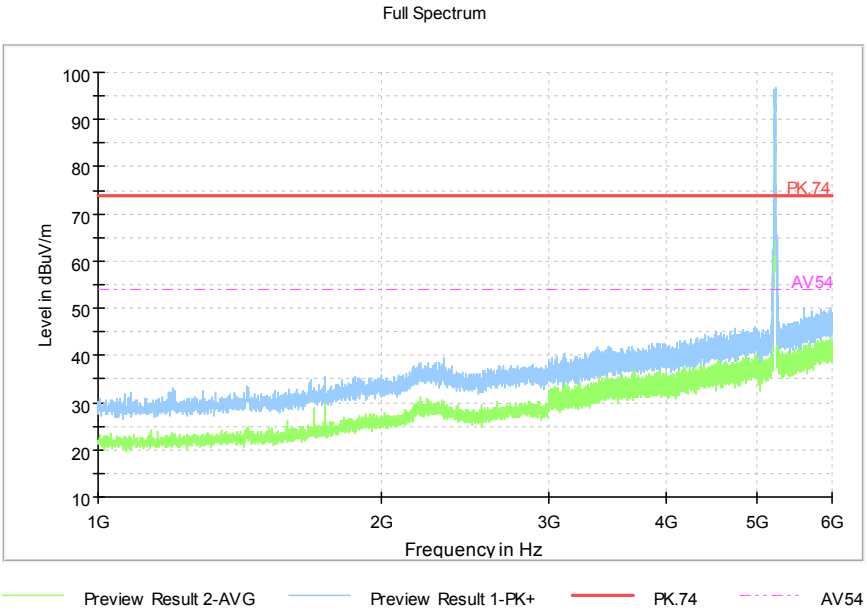


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

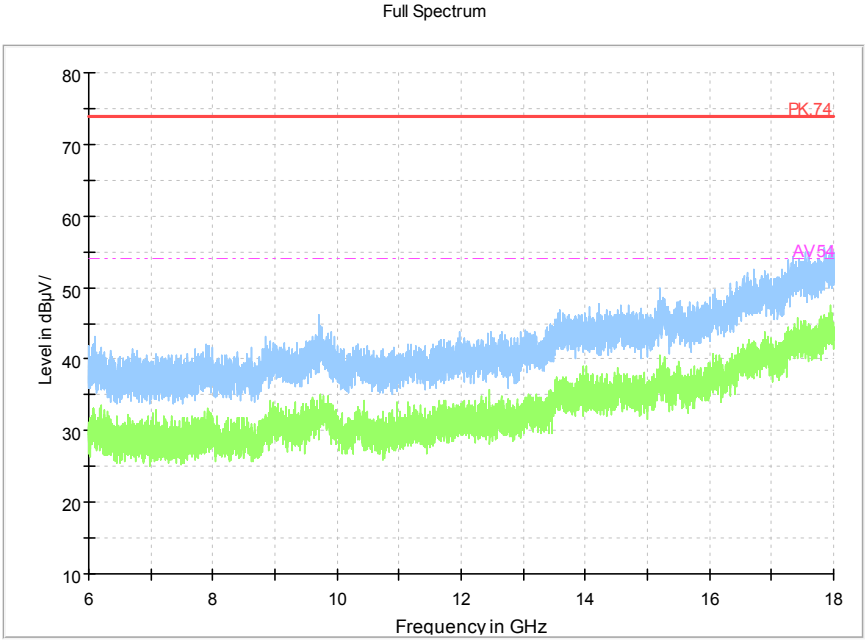
Carrier frequency (MHz): 5220
Channel No.:44



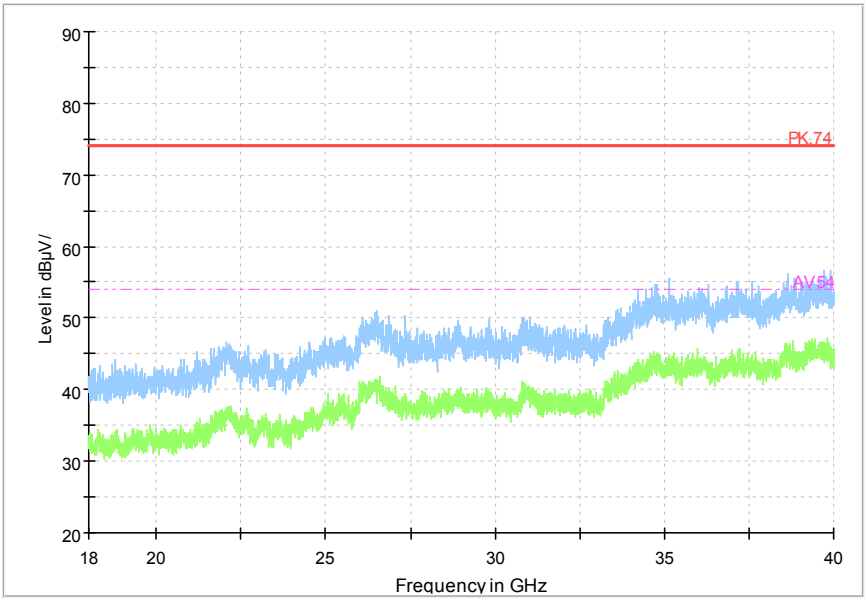
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



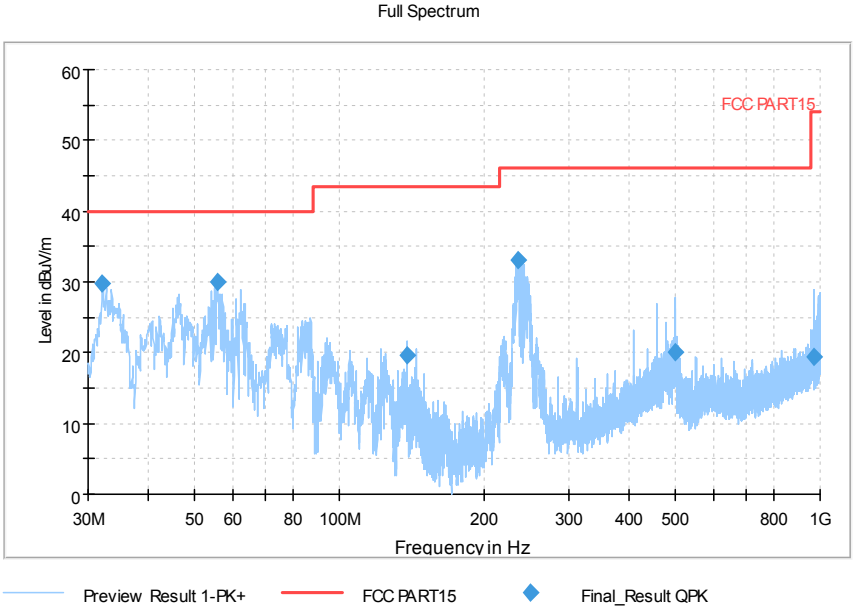
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



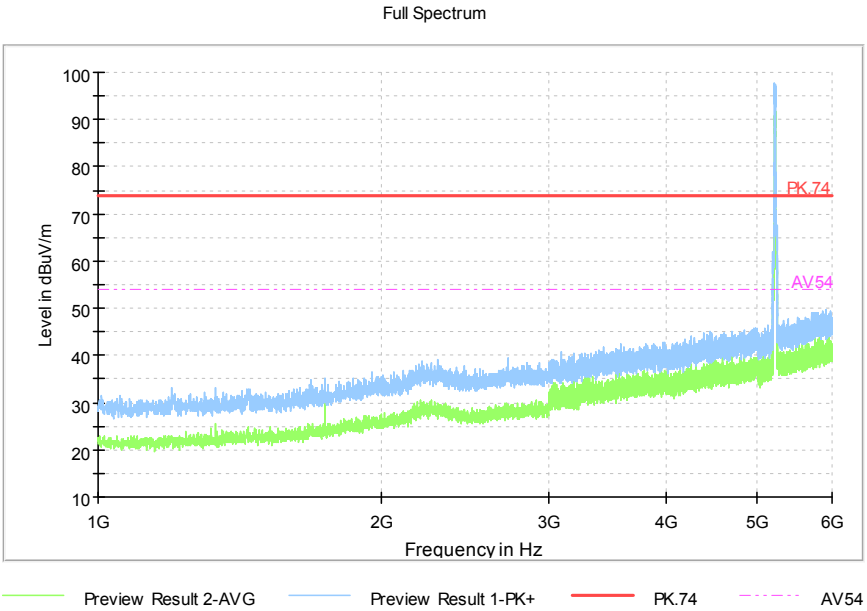
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



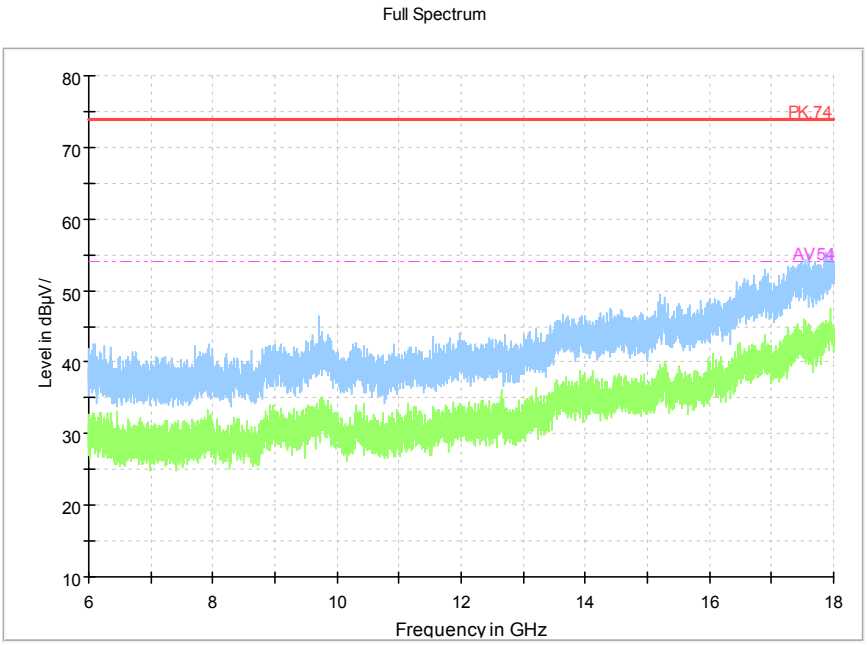
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



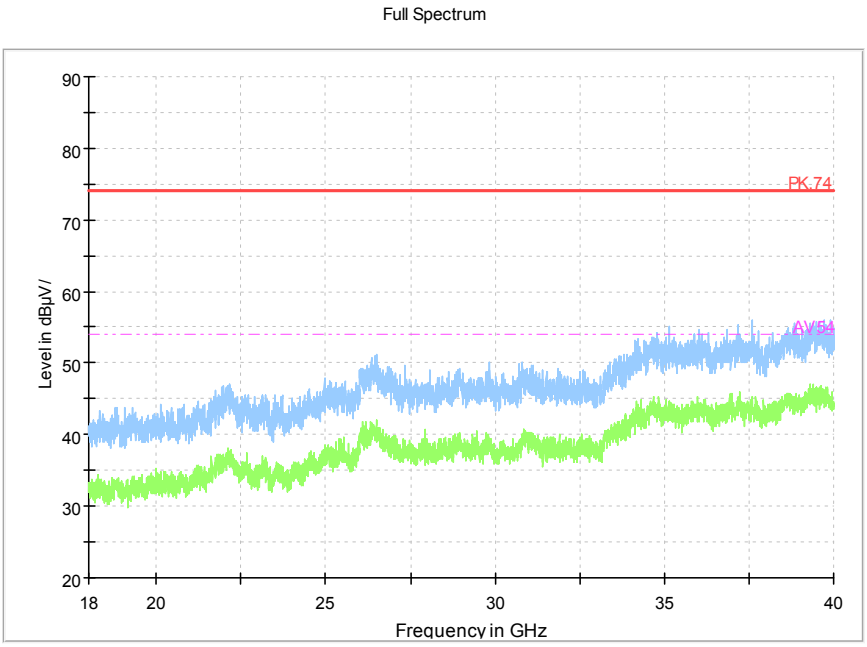
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

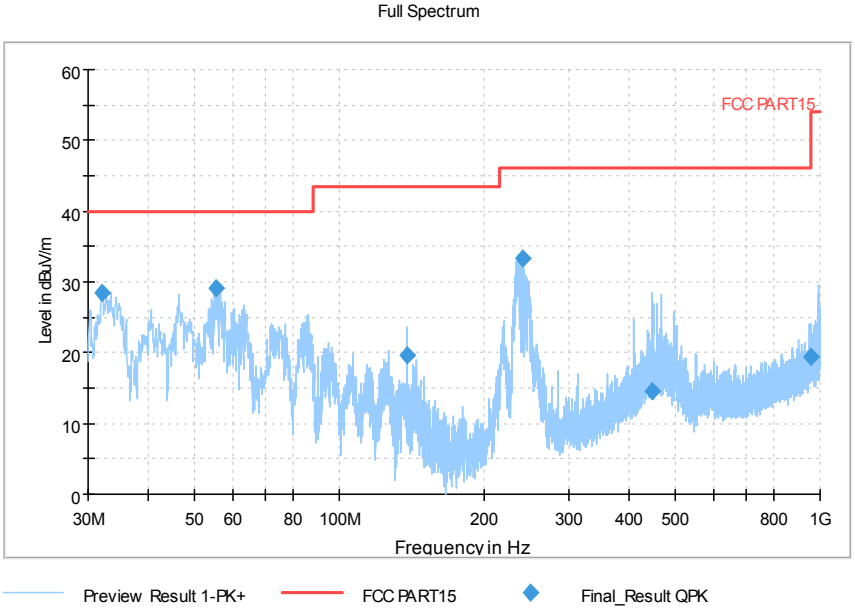


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

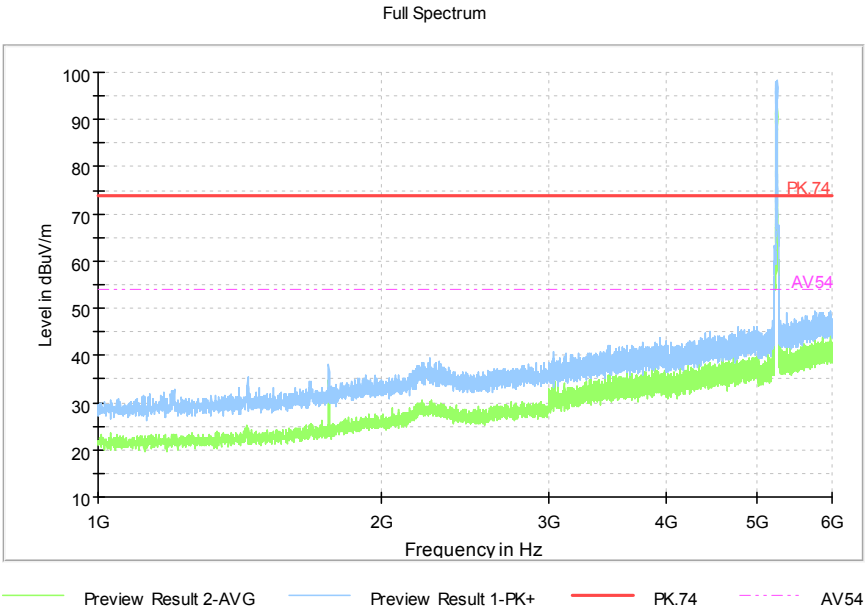


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

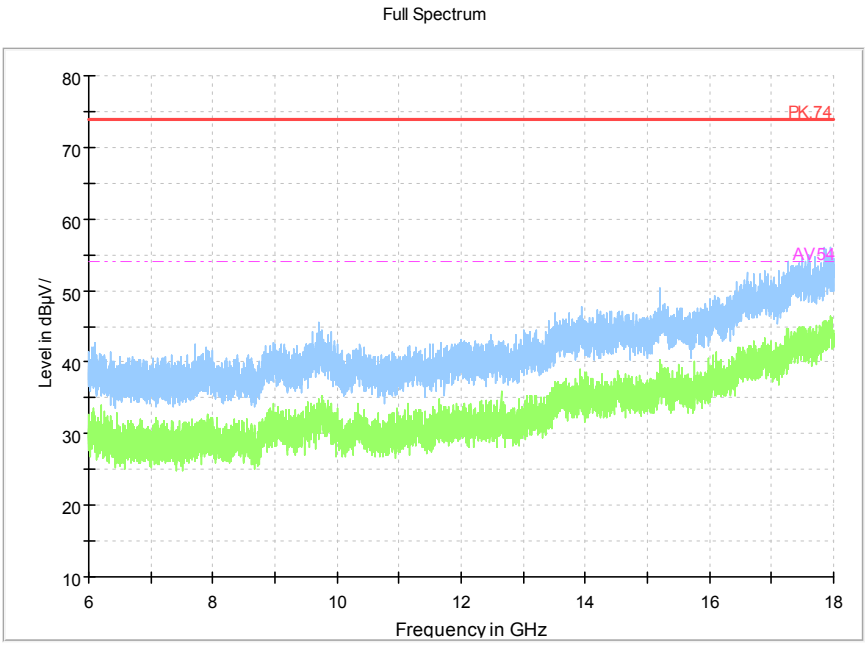
Carrier frequency (MHz): 5240
Channel No.:48



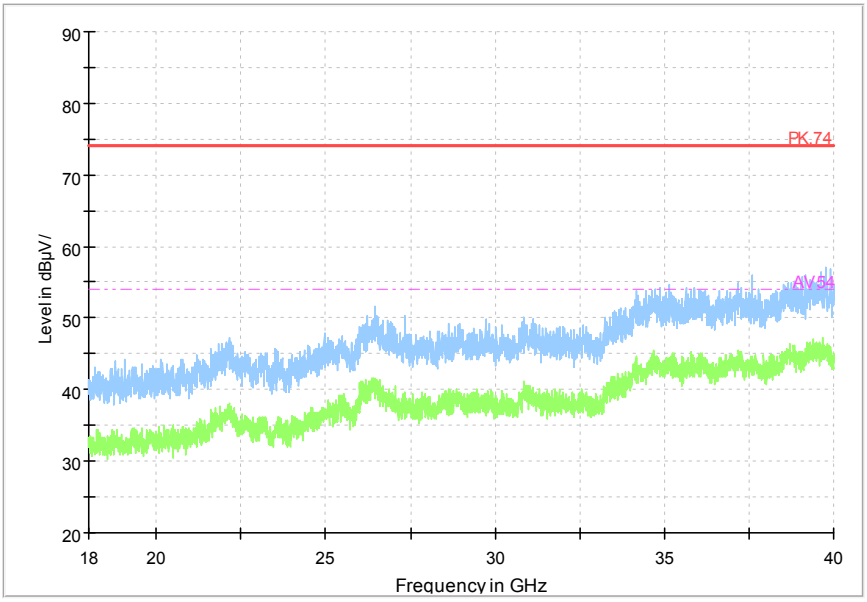
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



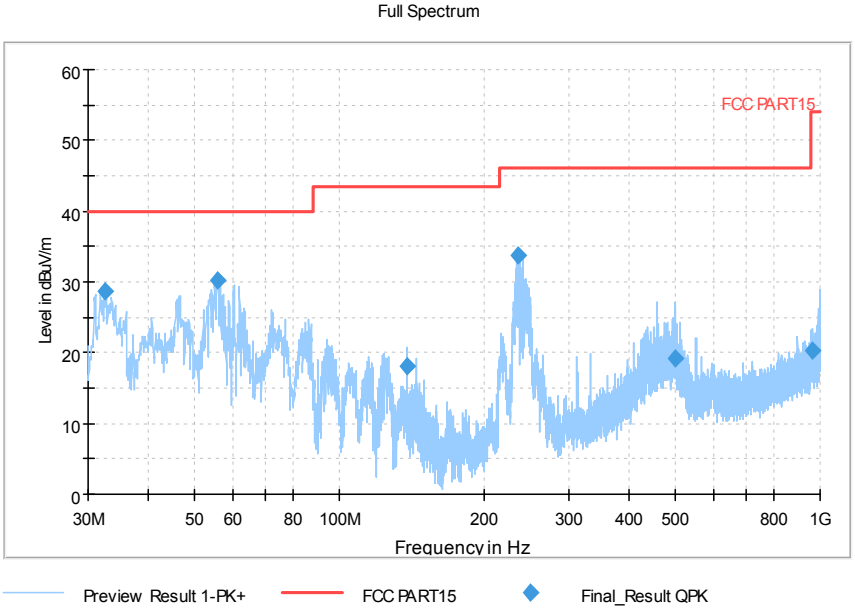
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



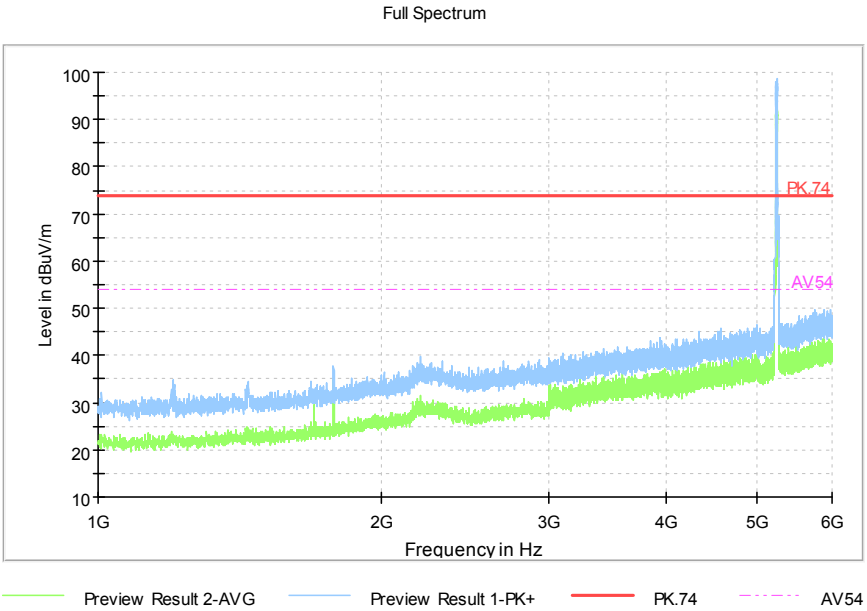
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



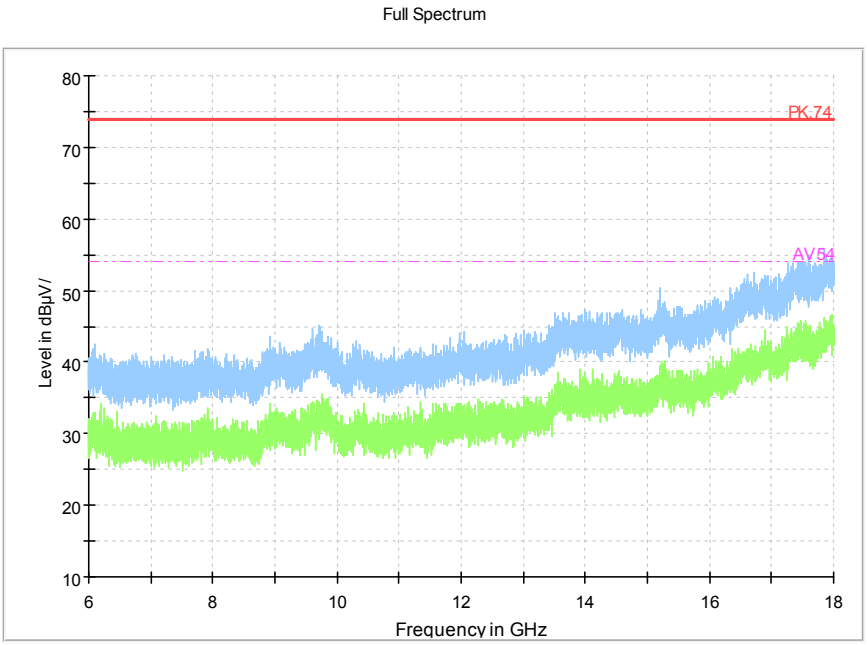
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



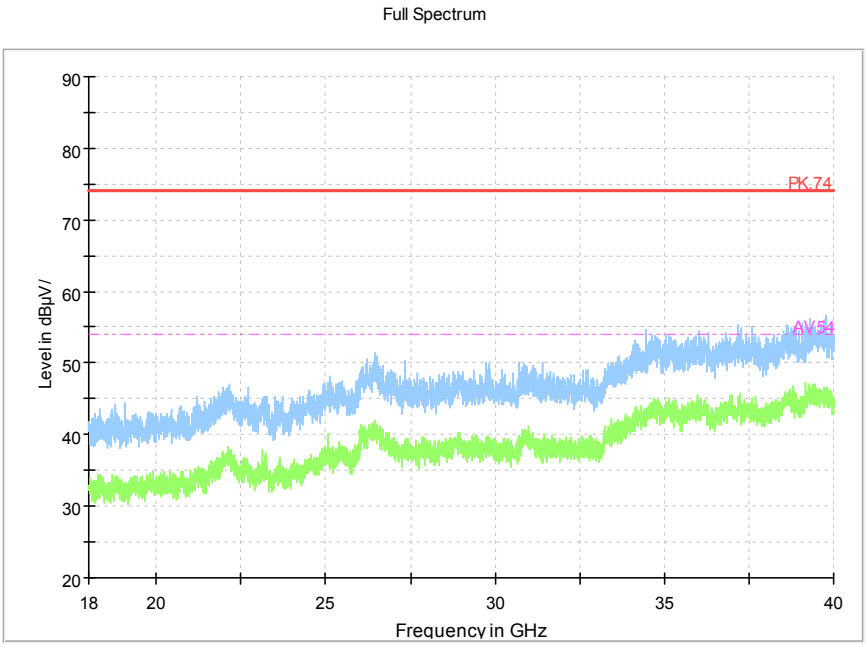
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

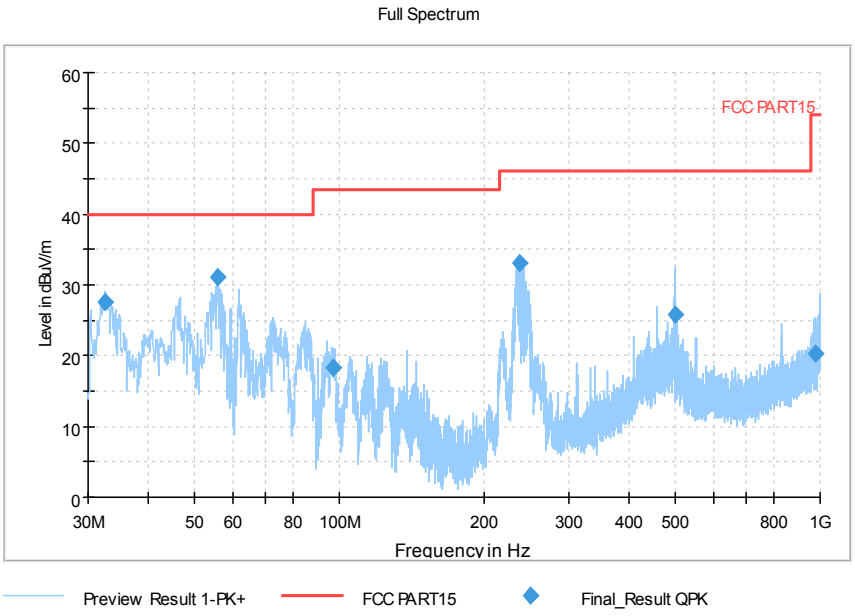


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

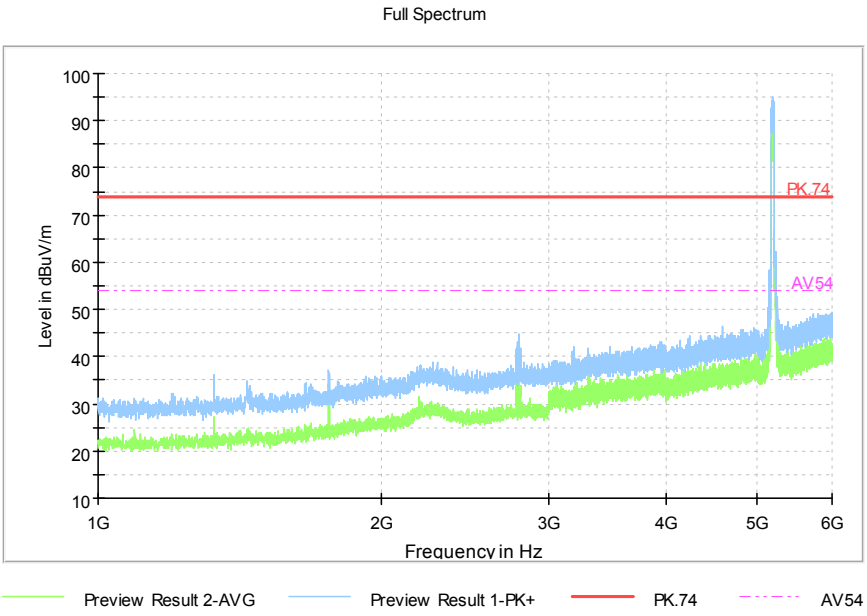


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

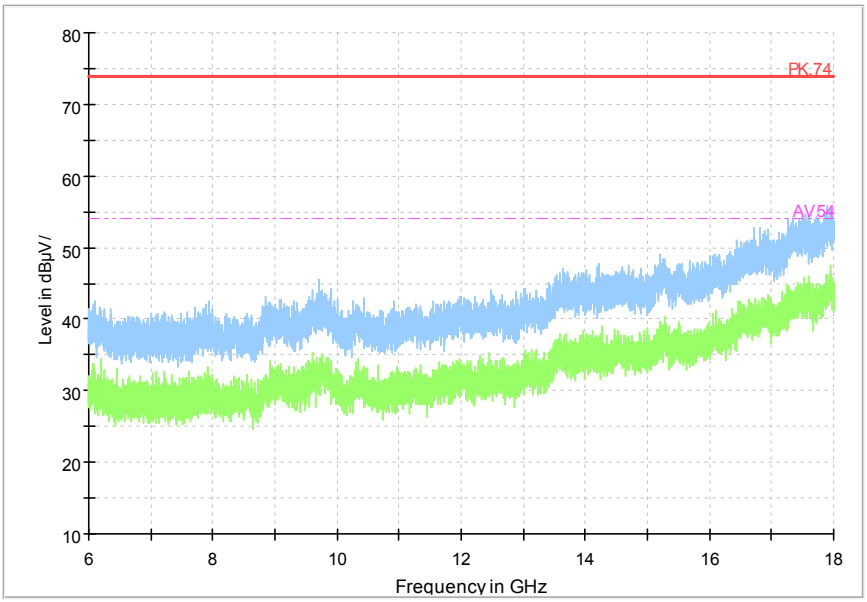
Carrier frequency (MHz): 5190
Channel No.:38



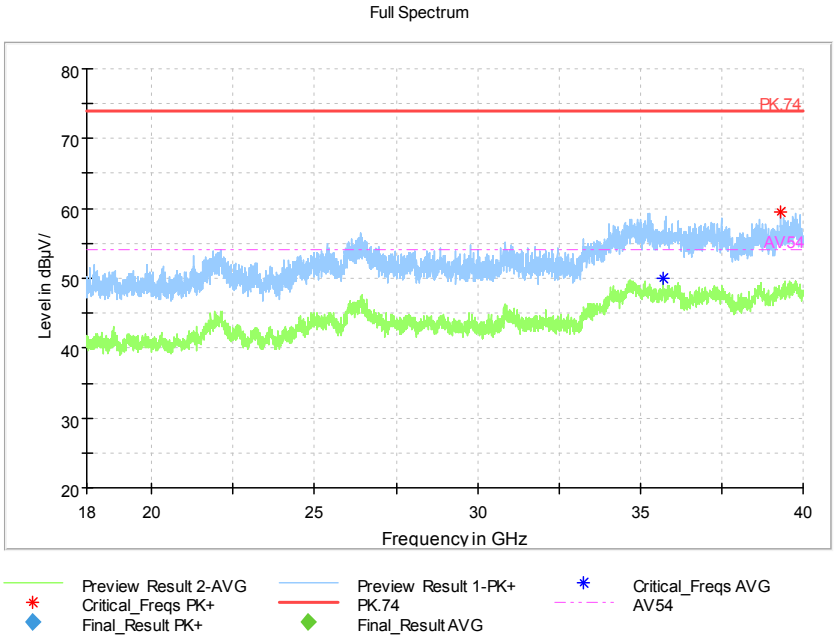
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

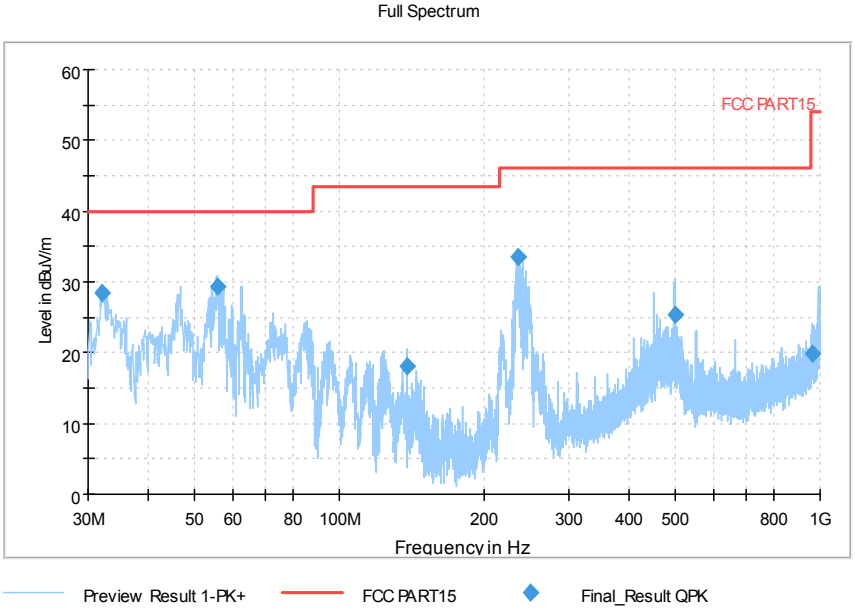


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

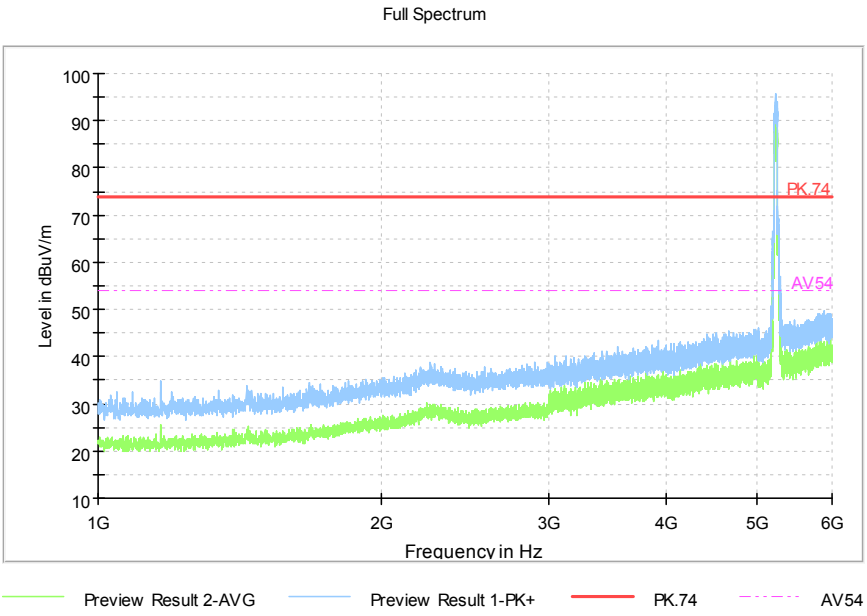


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

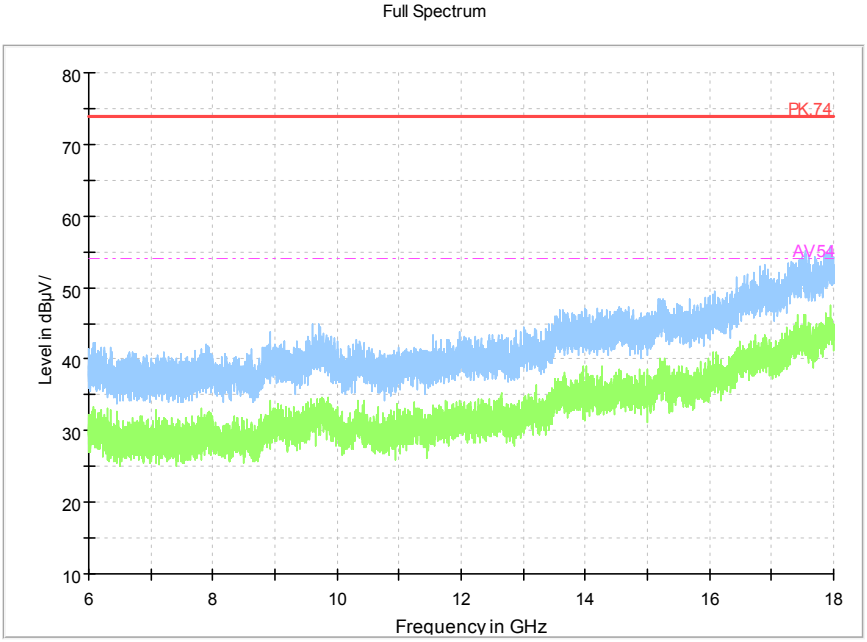
Carrier frequency (MHz): 5230
Channel No.:46



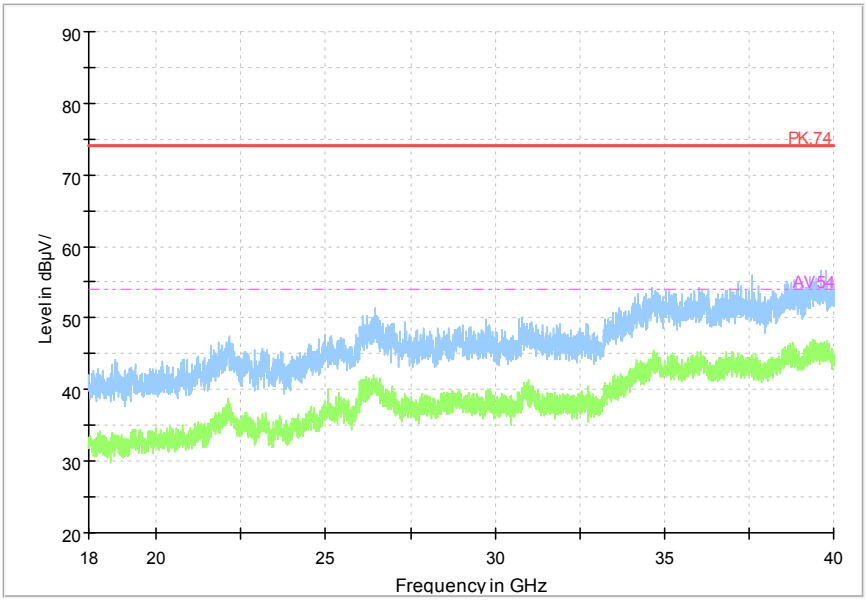
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

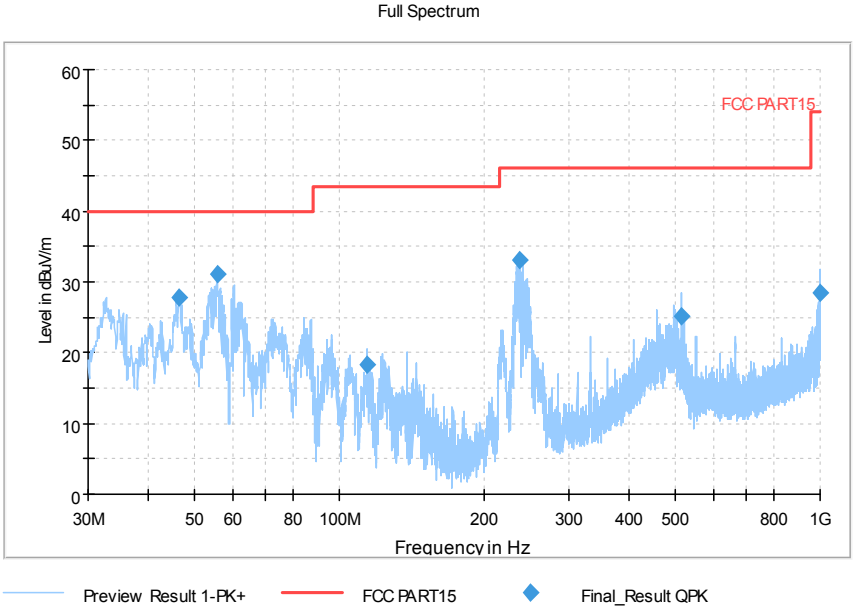


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

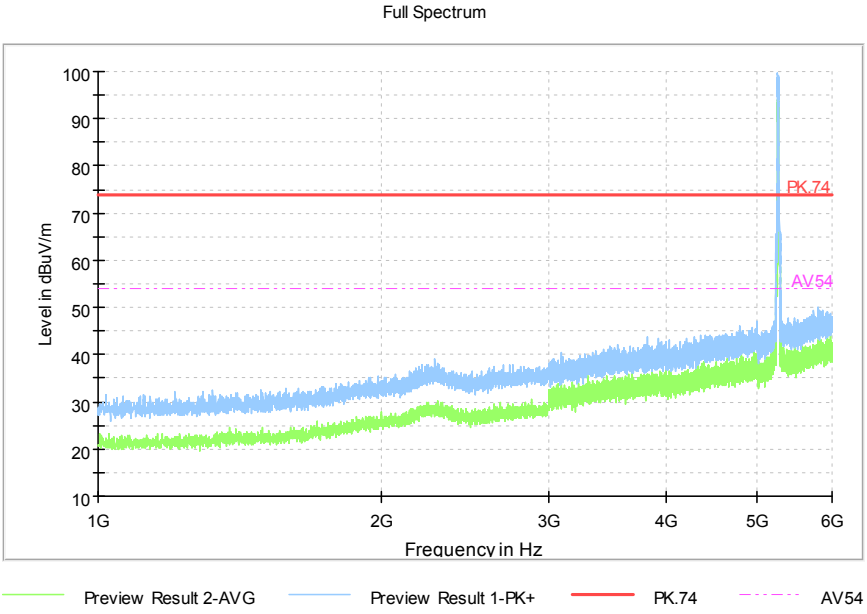


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

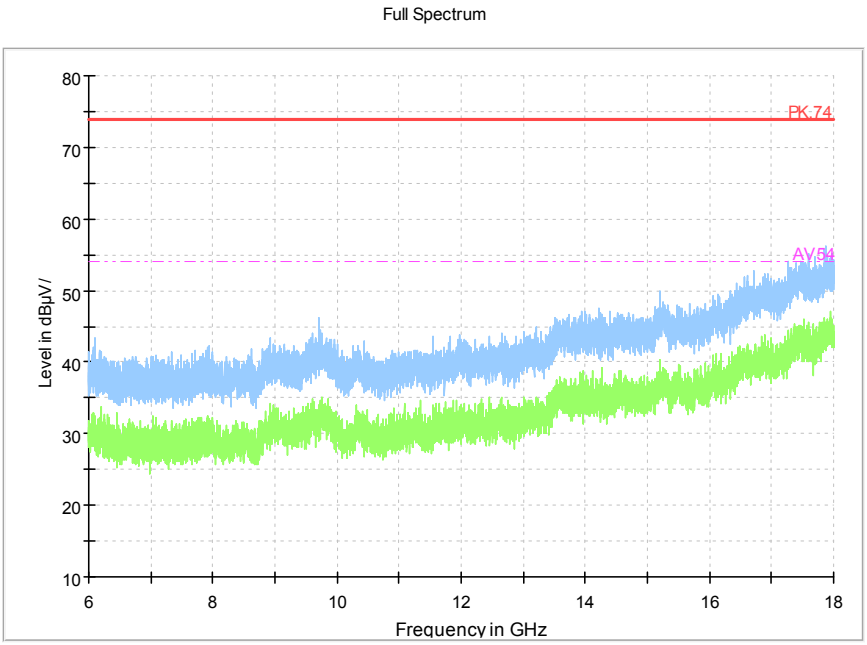
Carrier frequency (MHz): 5260
Channel No.:52



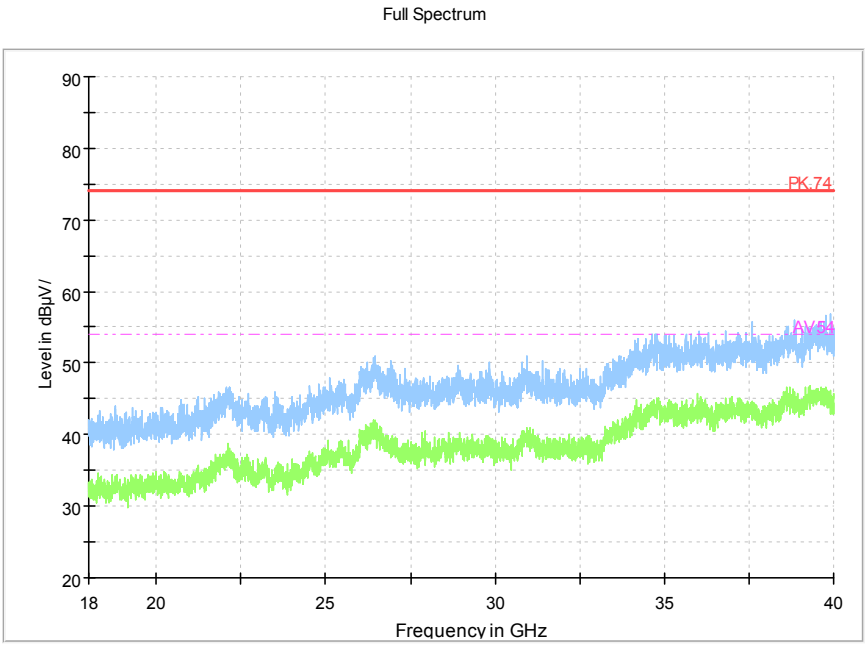
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



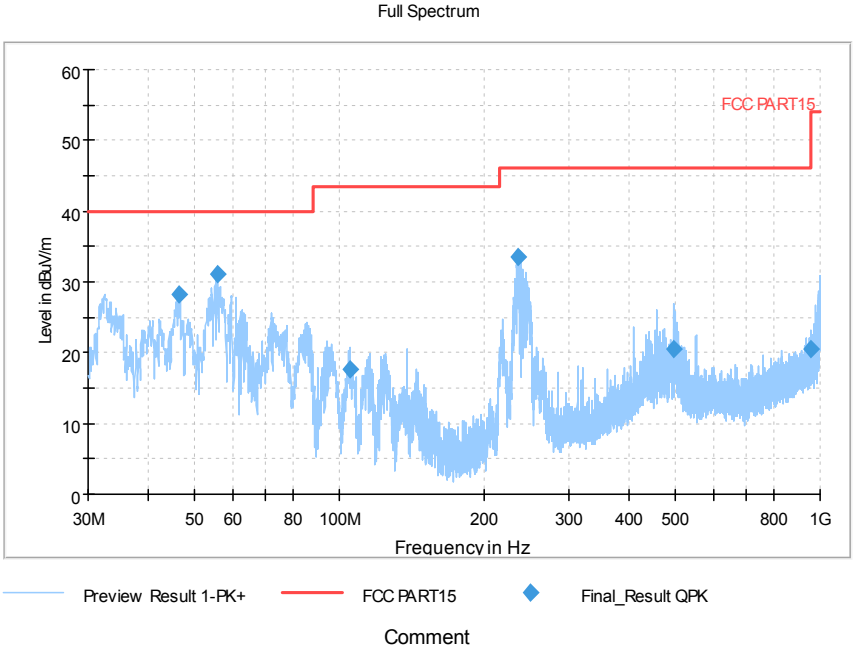
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



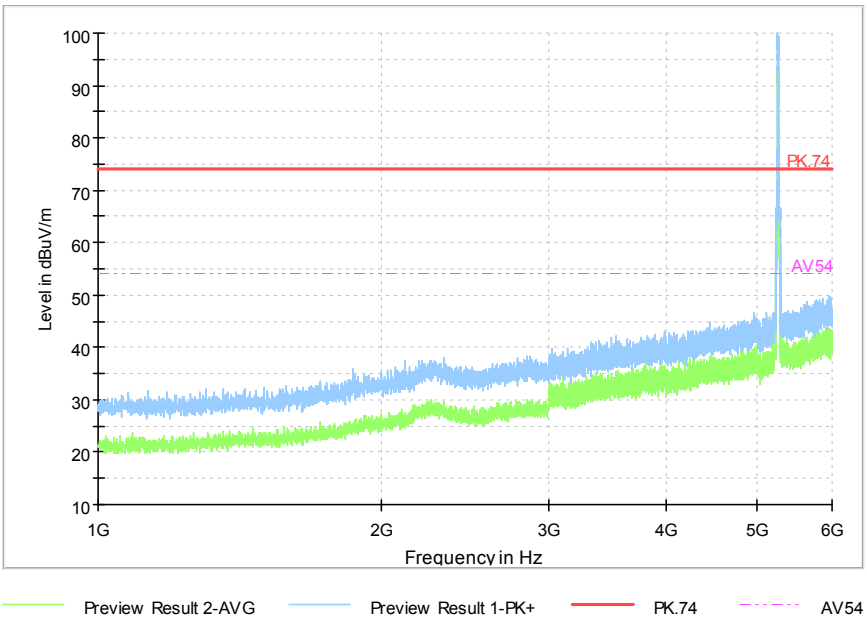
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



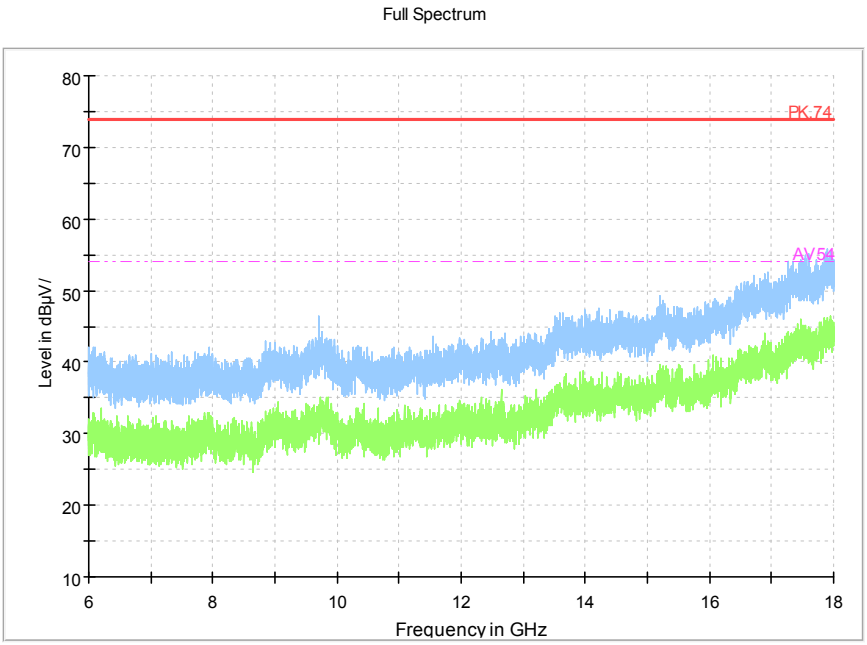
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



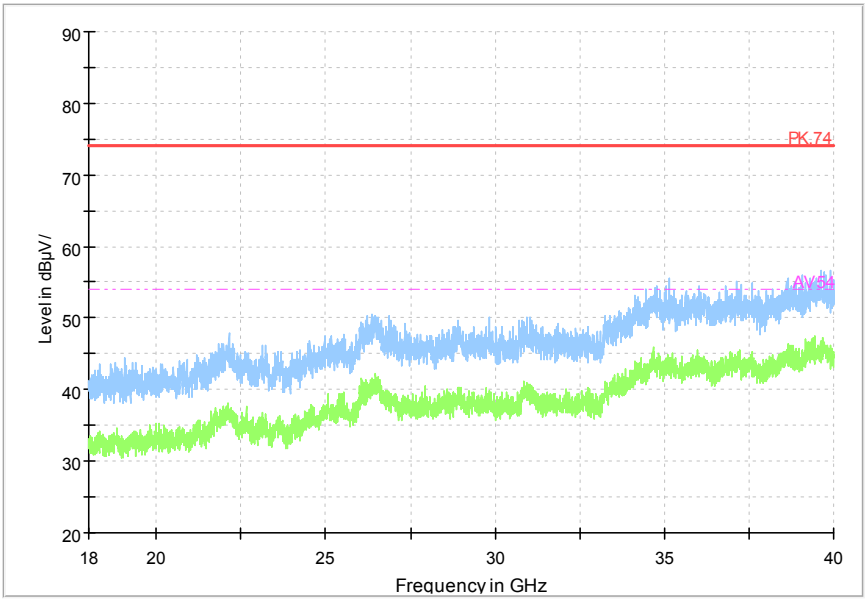
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

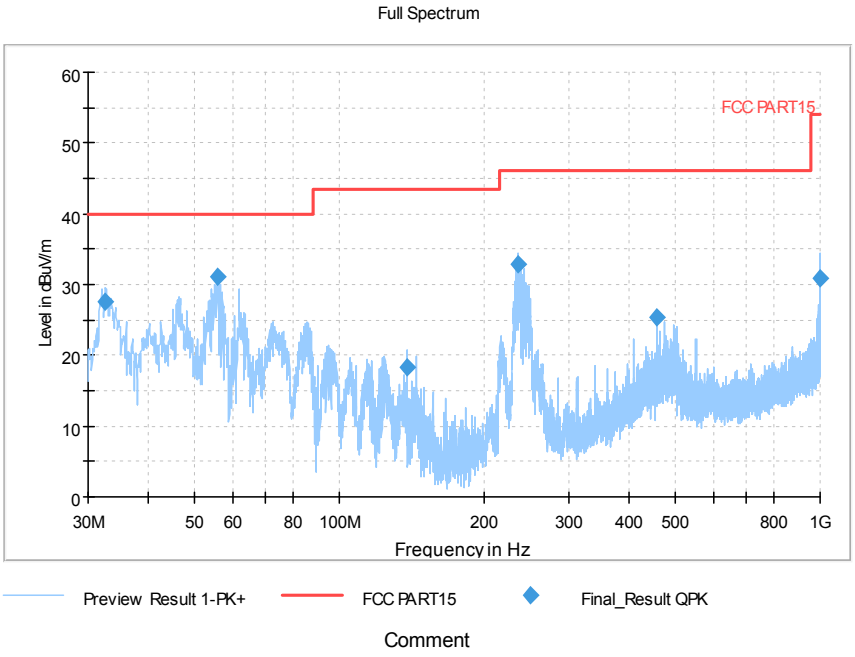


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

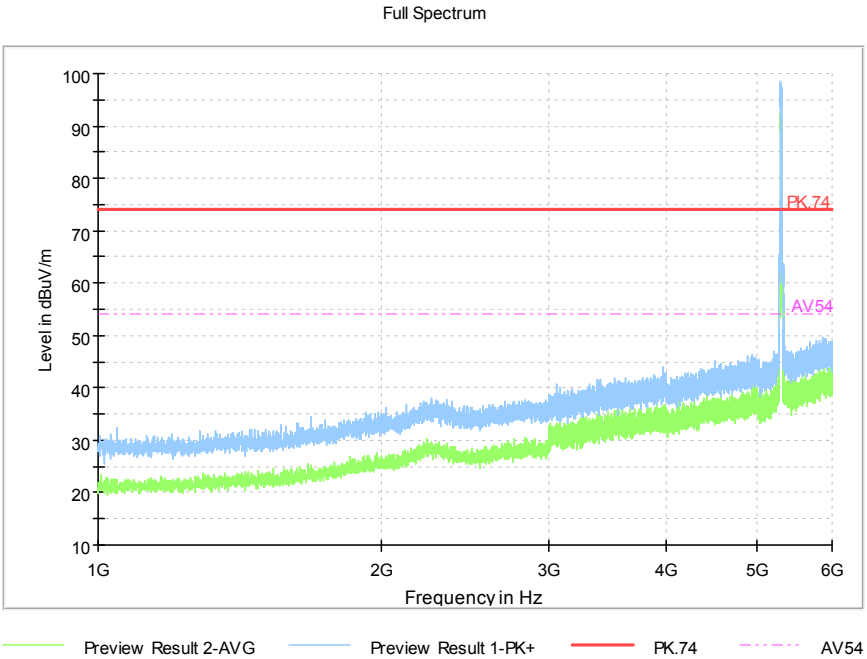


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

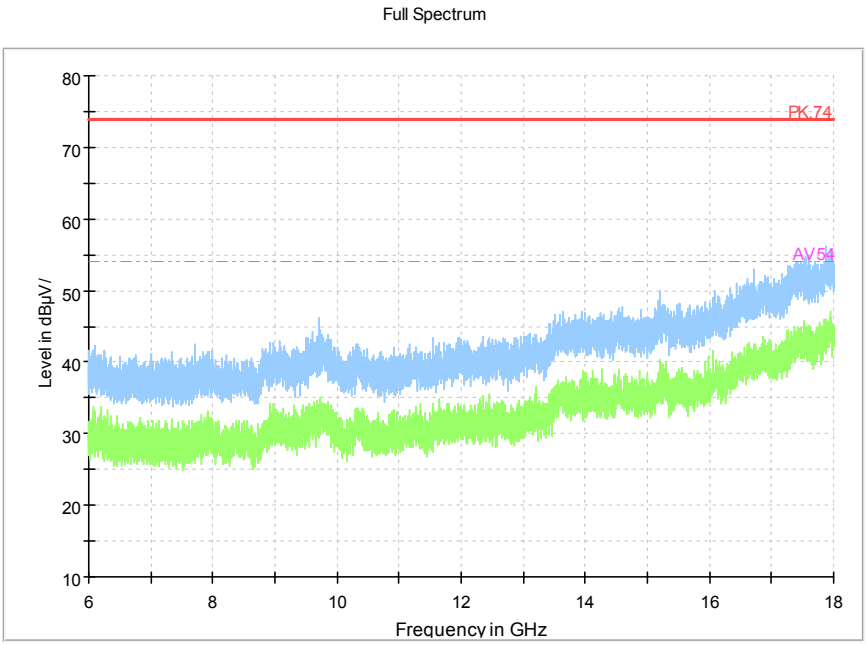
arrier frequency (MHz): 5300
Channel No.:60



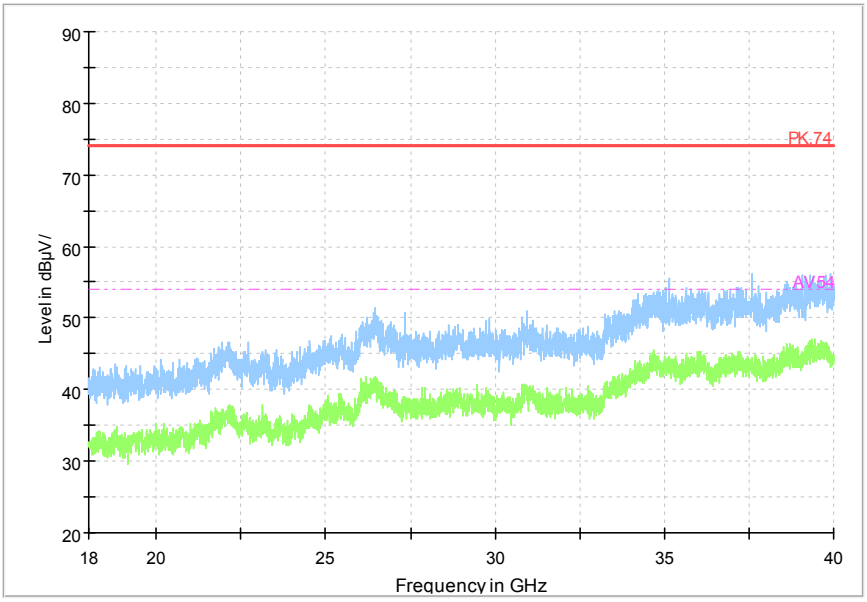
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



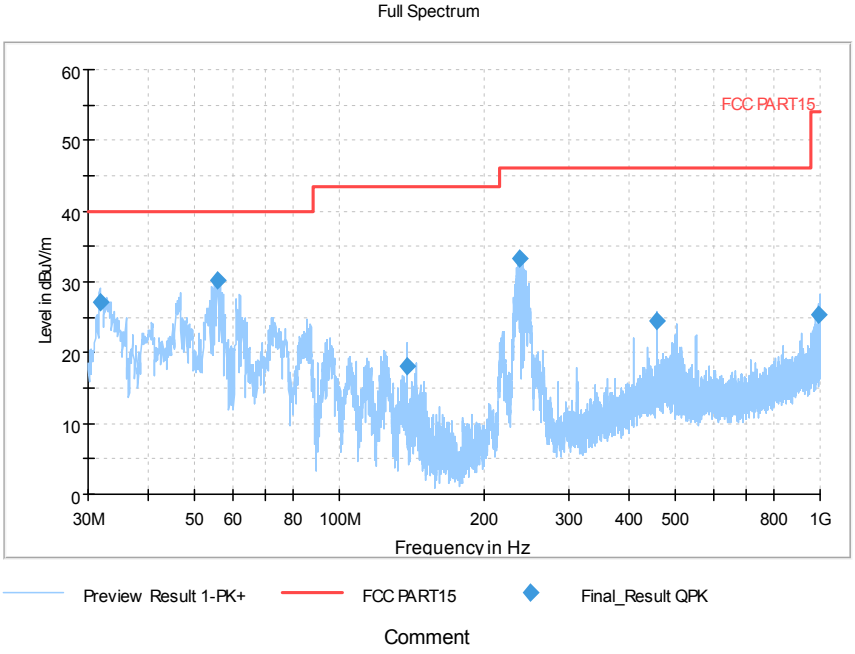
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



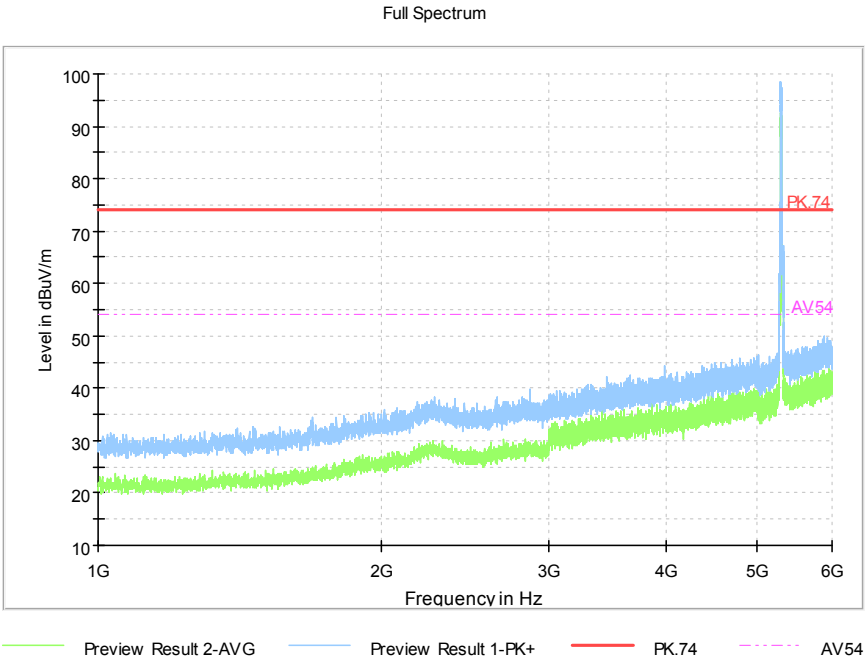
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



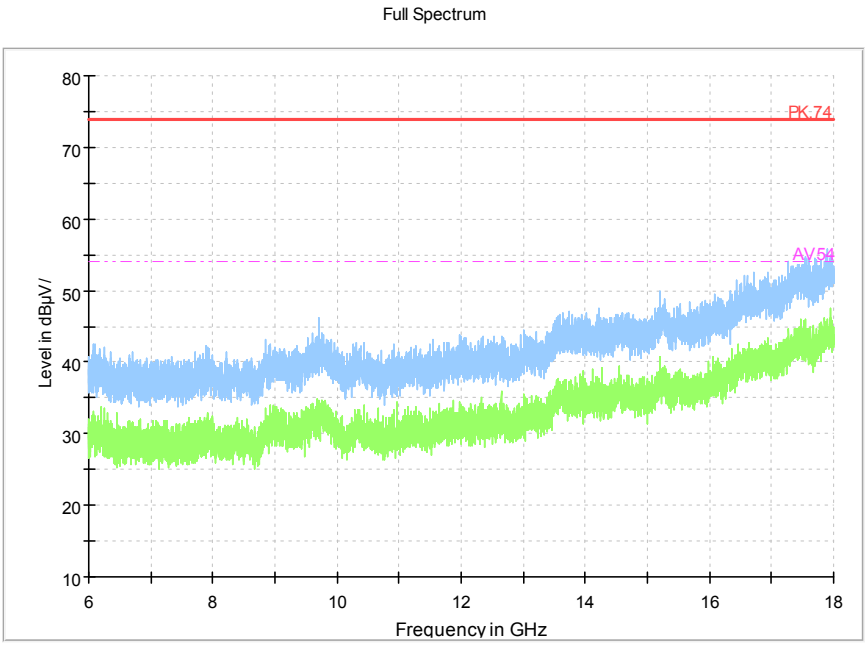
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



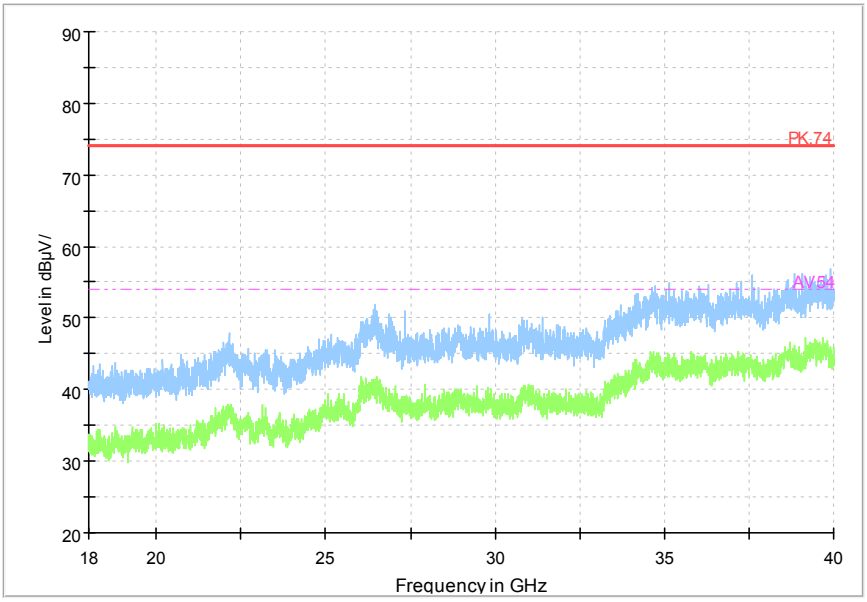
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

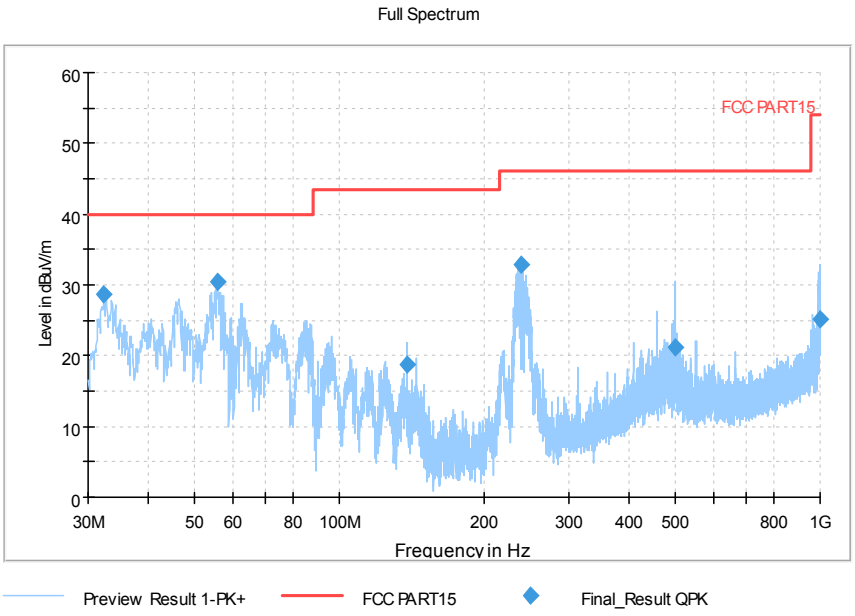


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

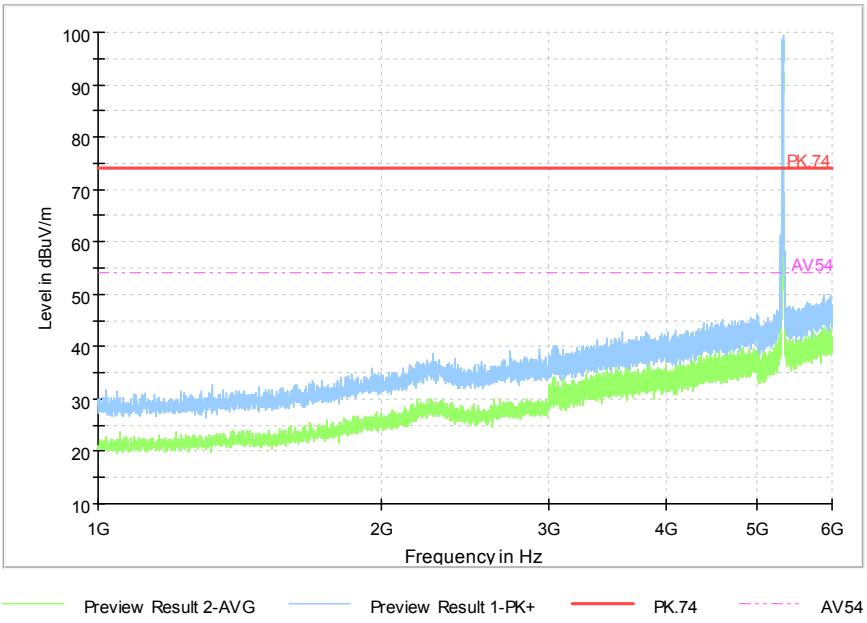


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

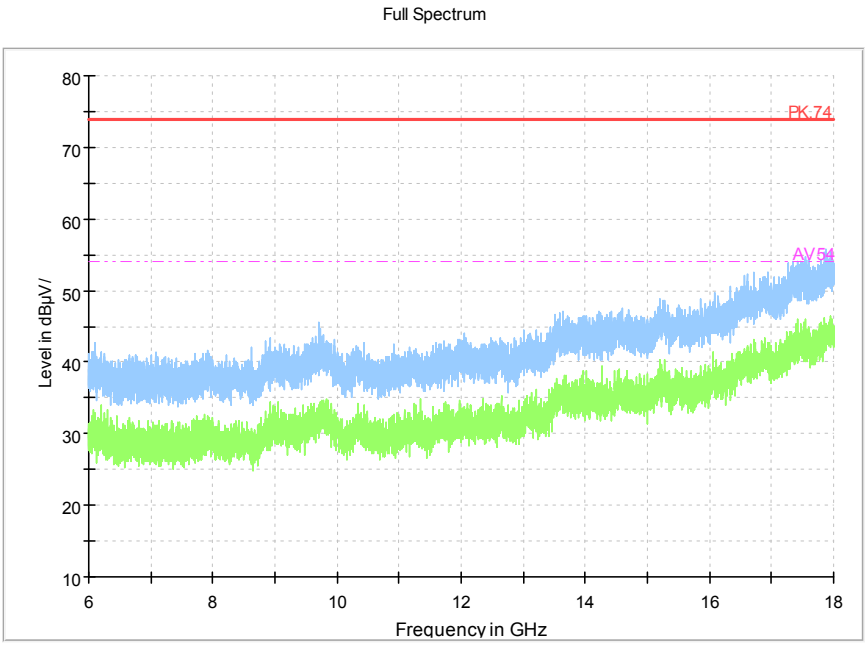
Carrier frequency (MHz): 5320
Channel No.:64



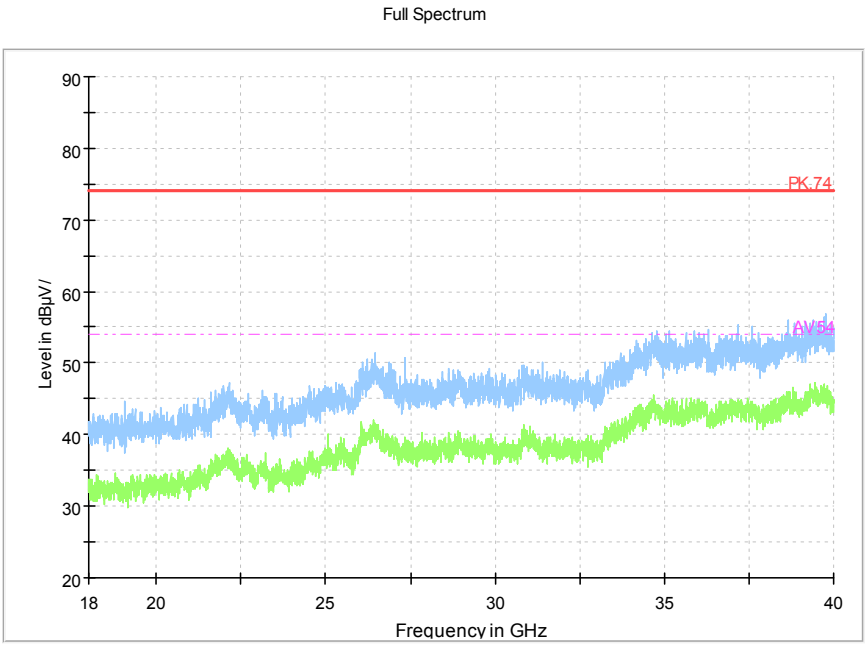
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



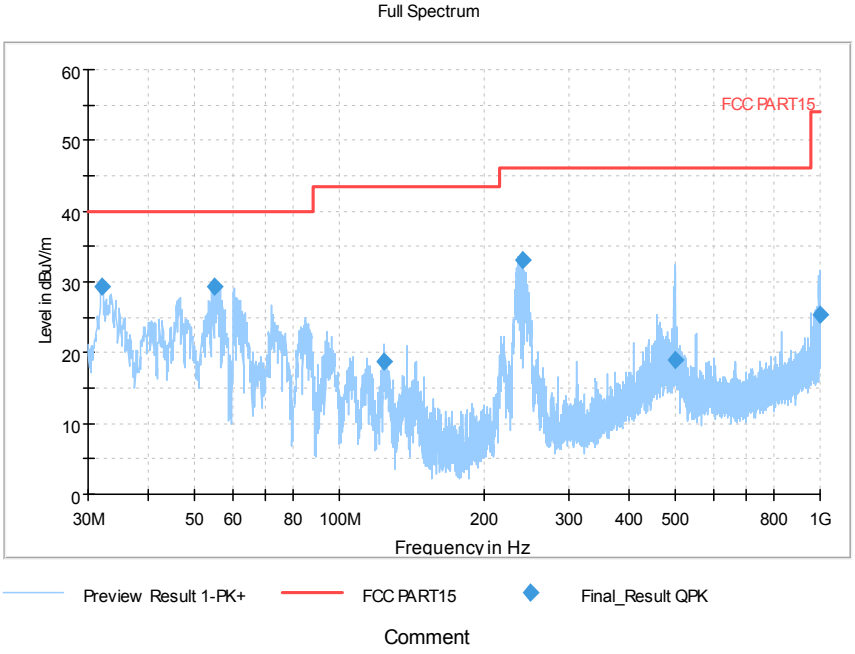
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



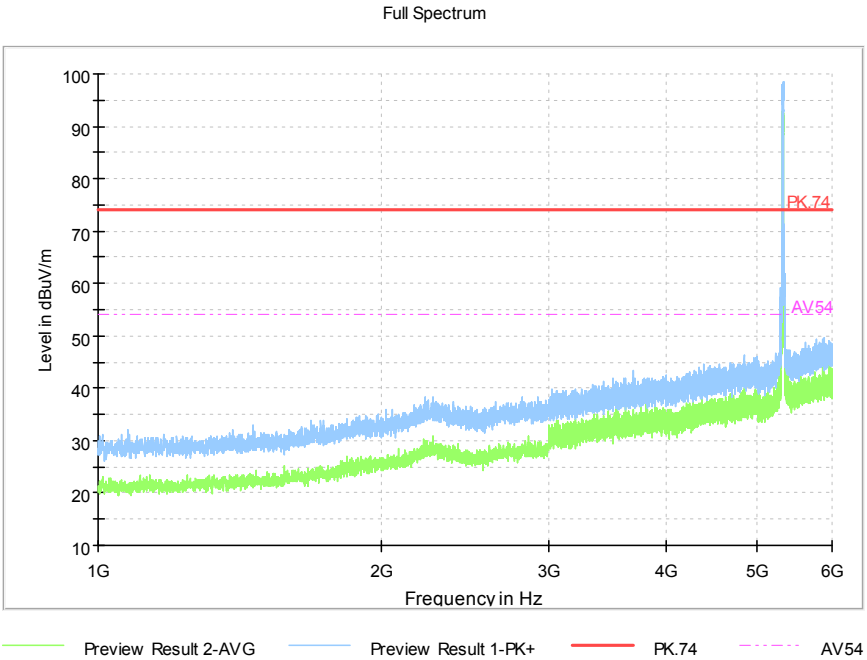
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



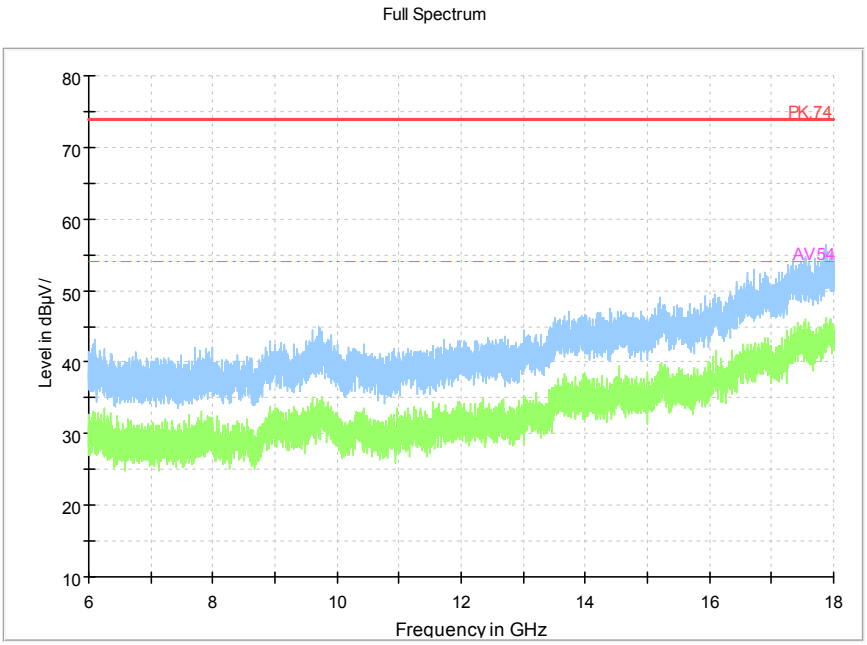
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



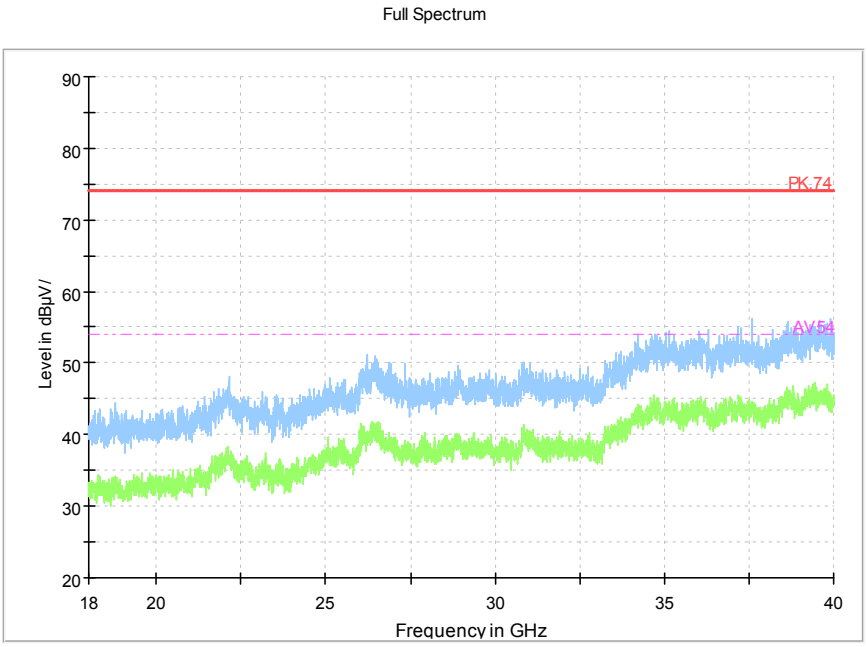
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

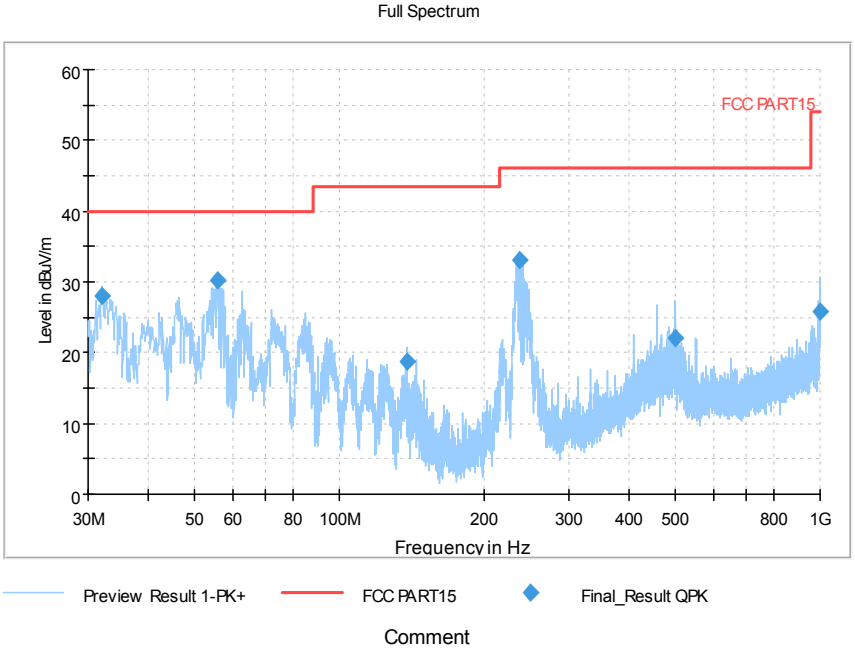


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

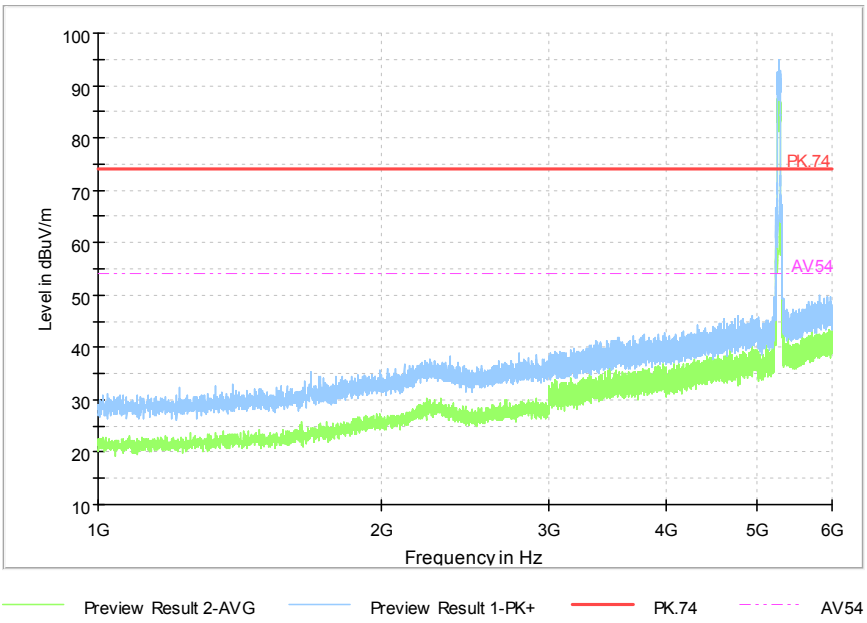


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

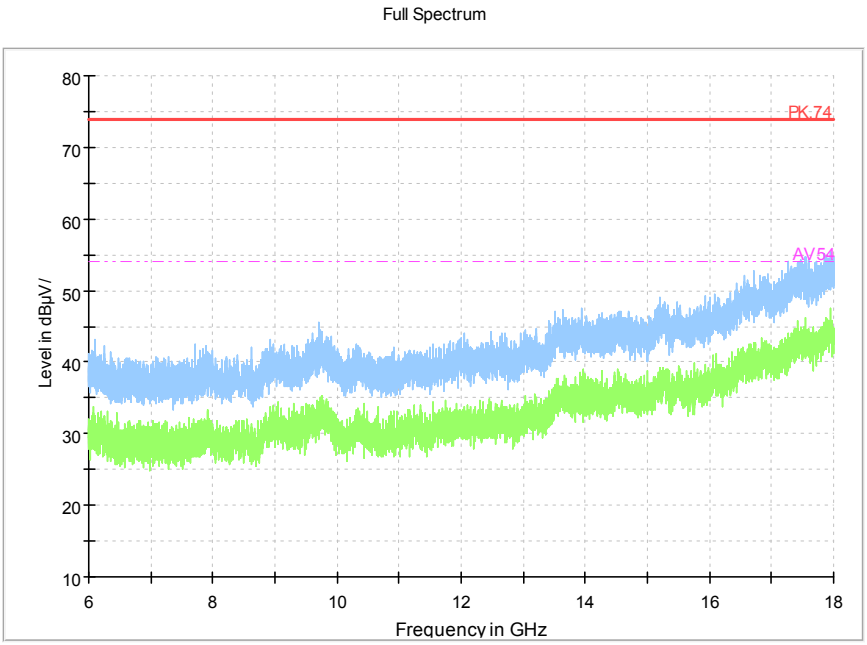
Carrier frequency (MHz): 5270
Channel No.:54



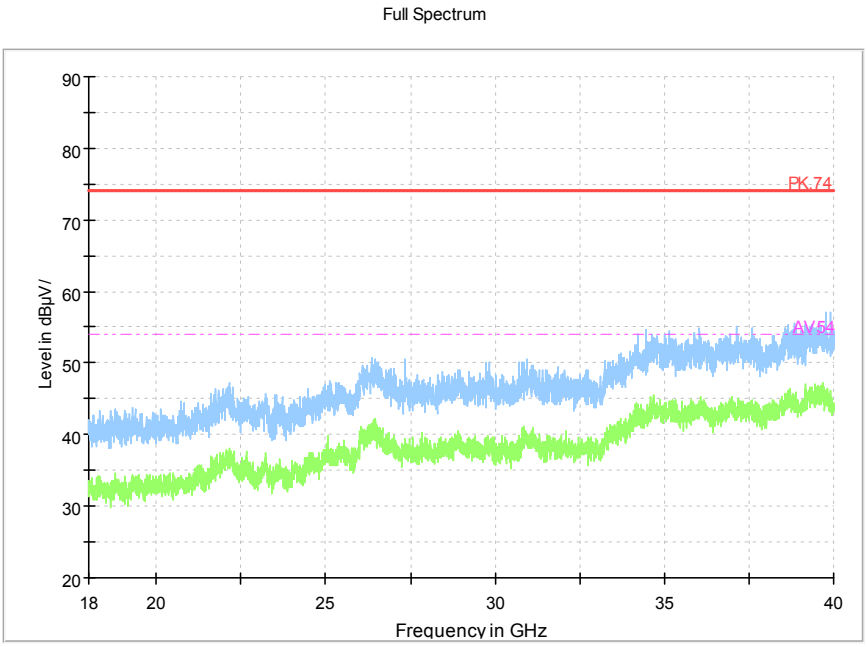
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

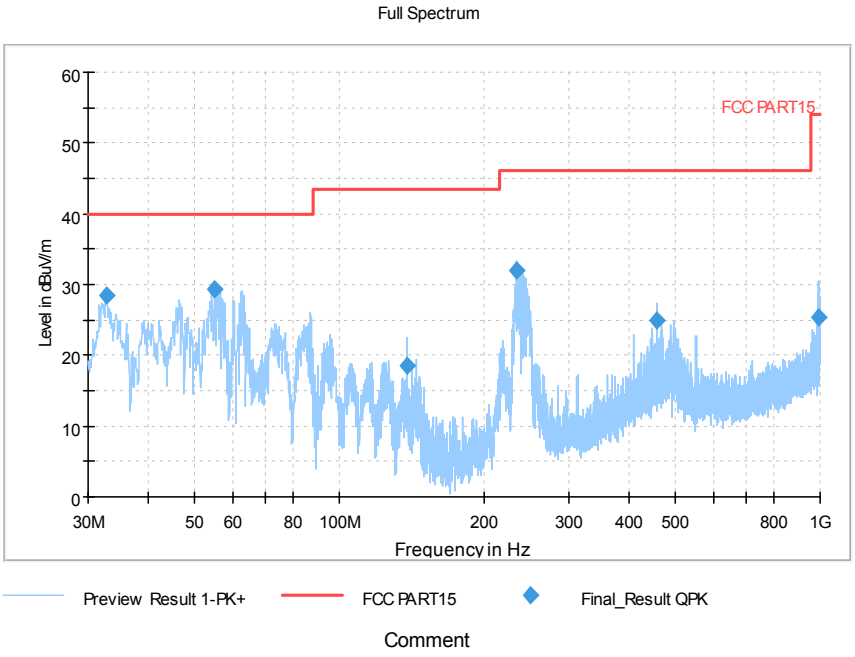


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

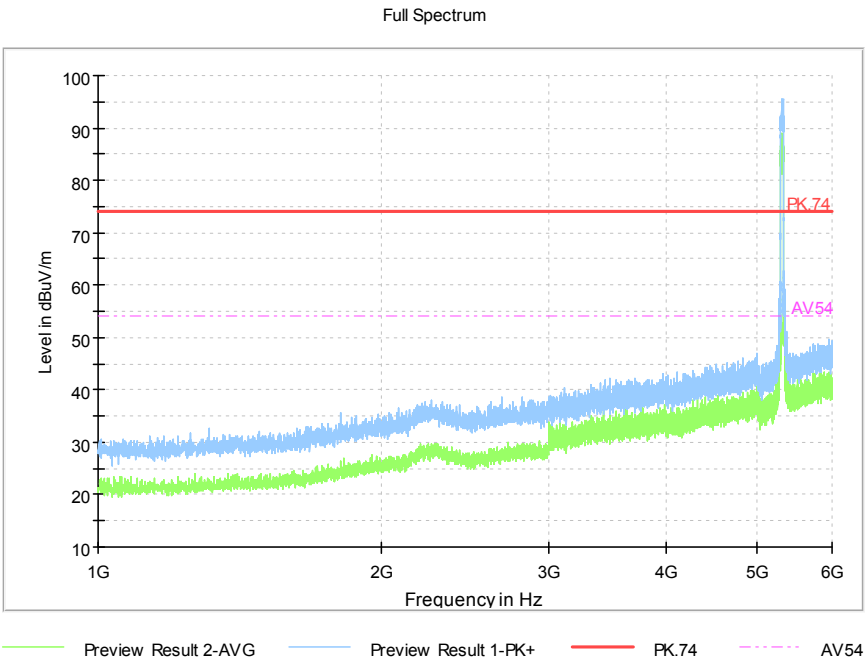


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

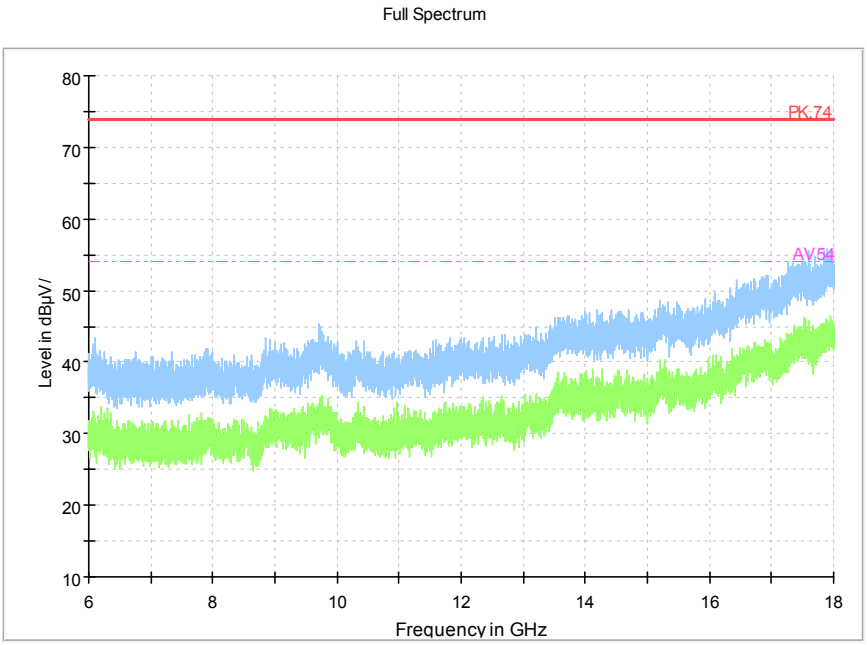
Carrier frequency (MHz): 5310
Channel No.:62



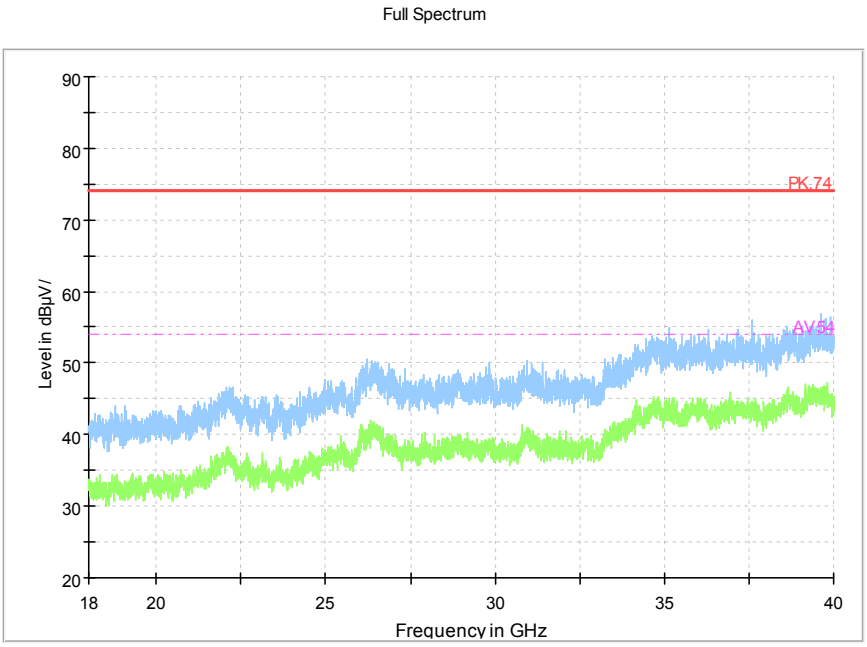
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

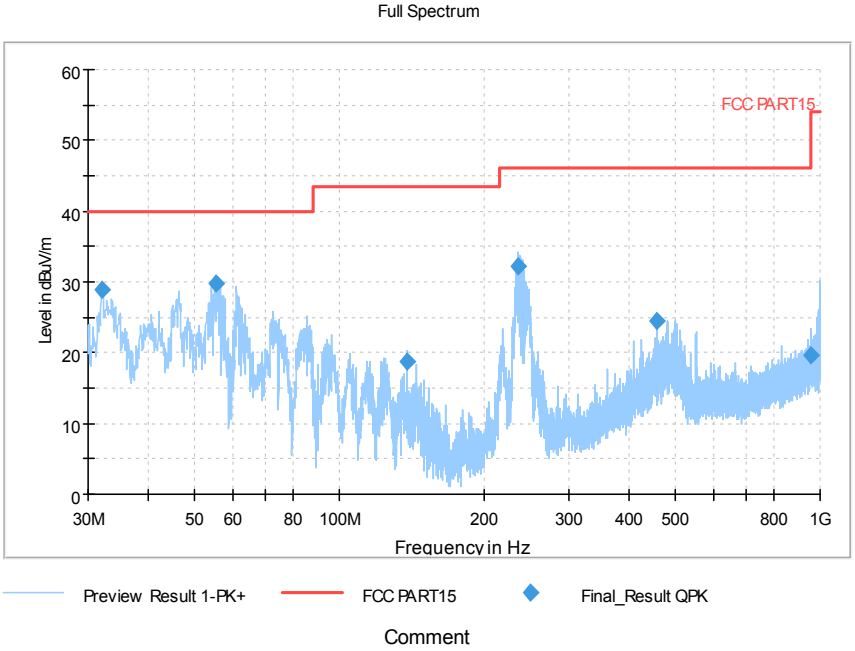


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

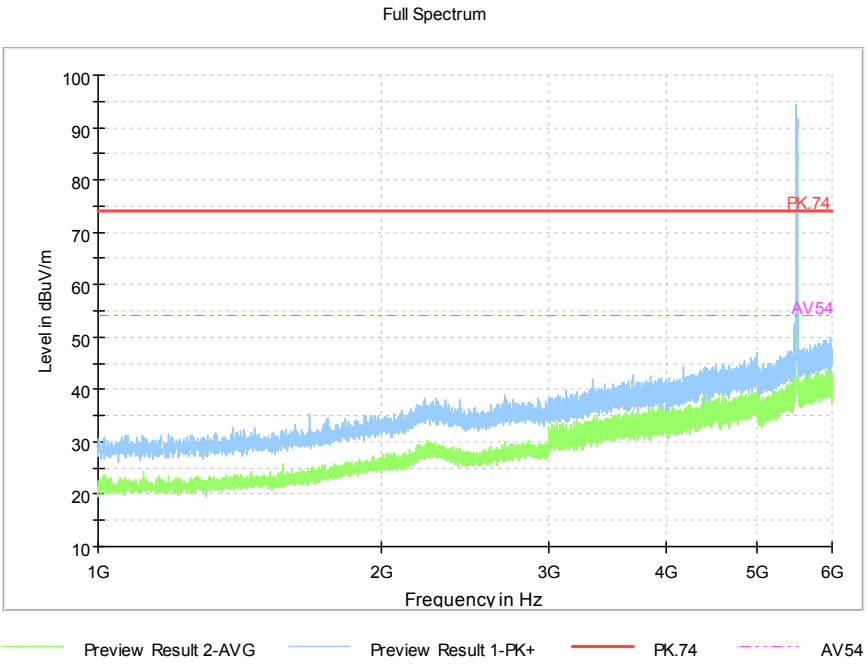


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

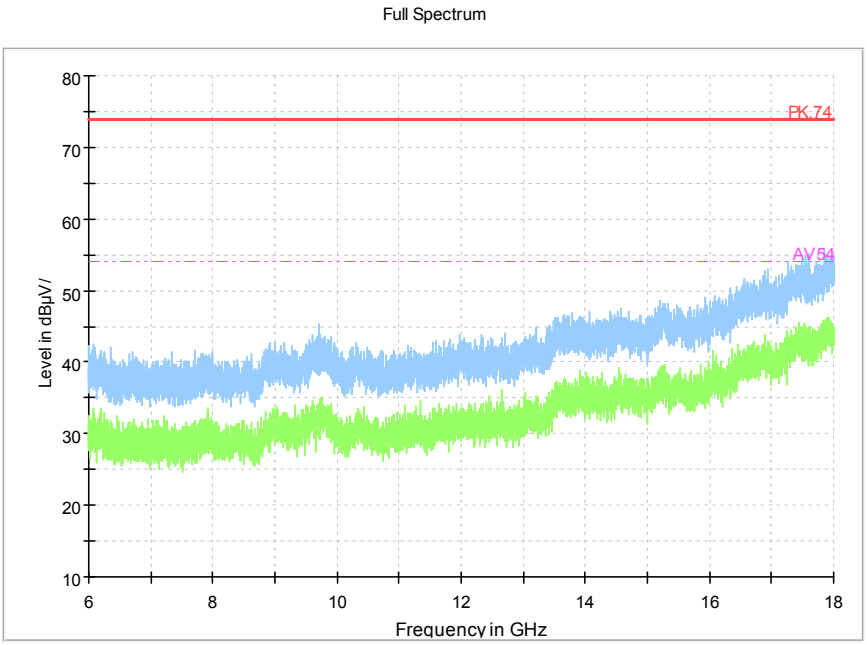
Carrier frequency (MHz): 5500
Channel No.:100



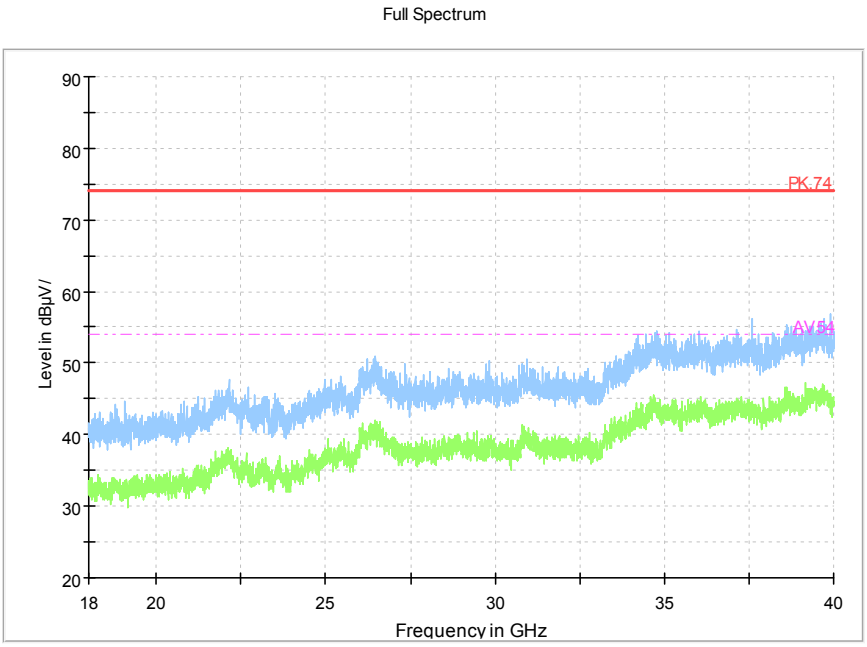
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



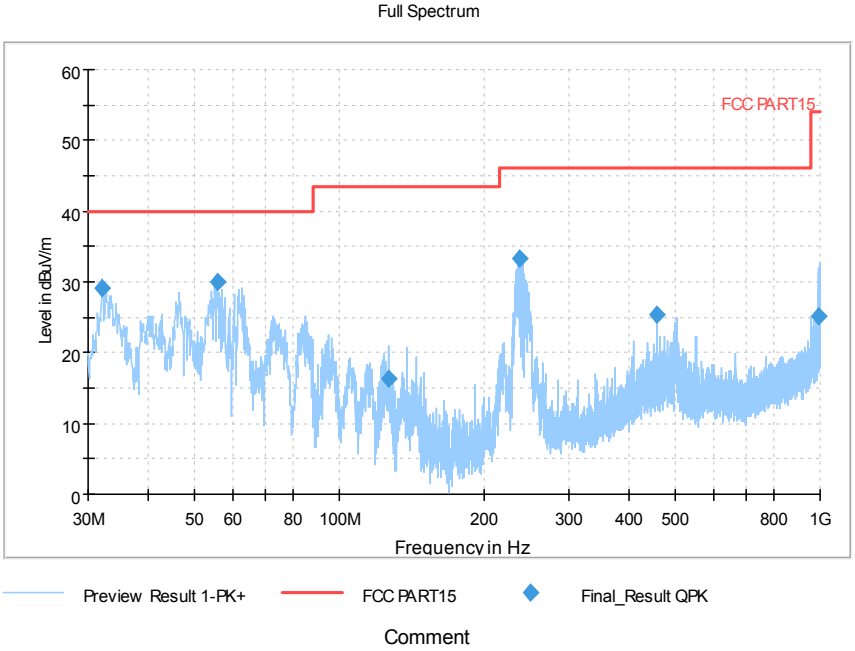
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



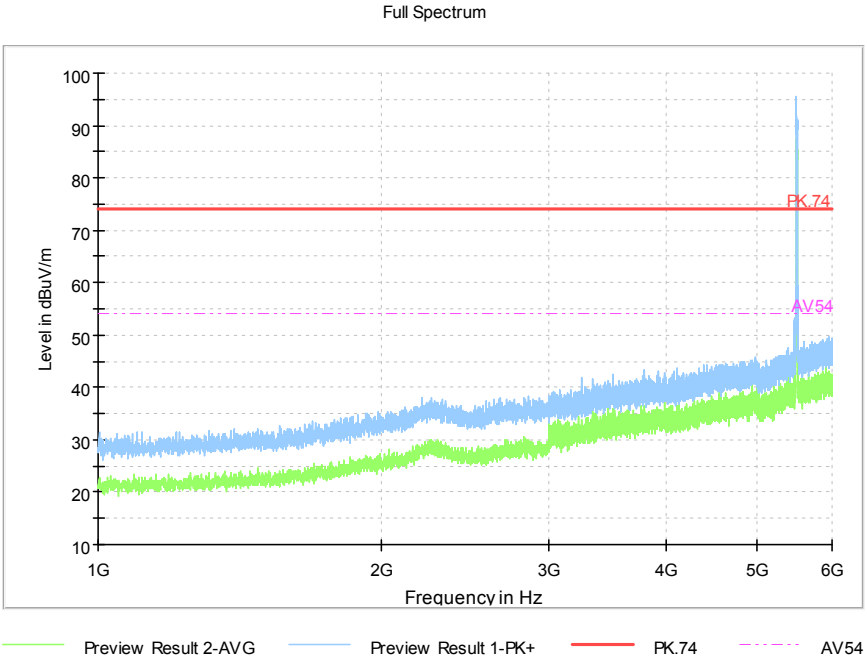
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



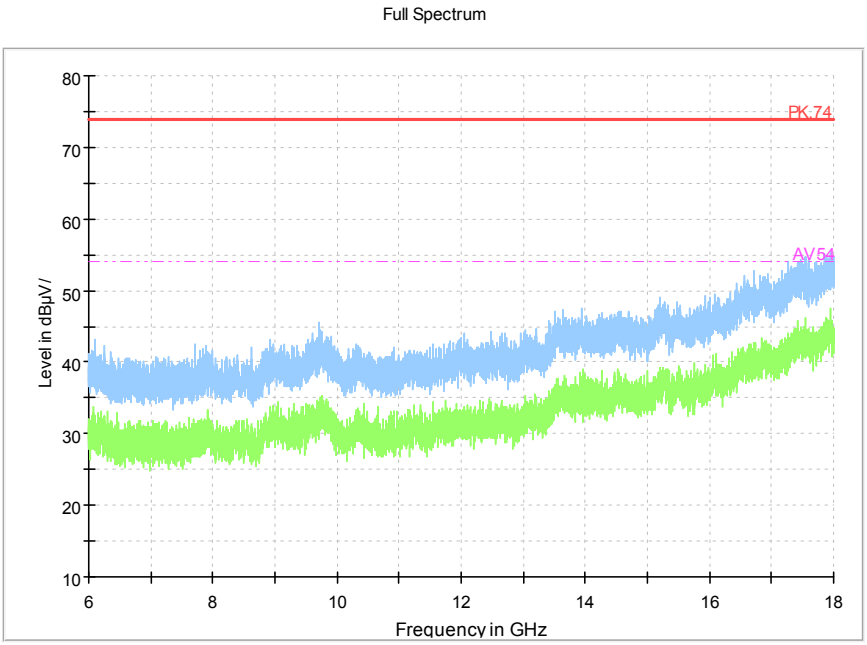
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



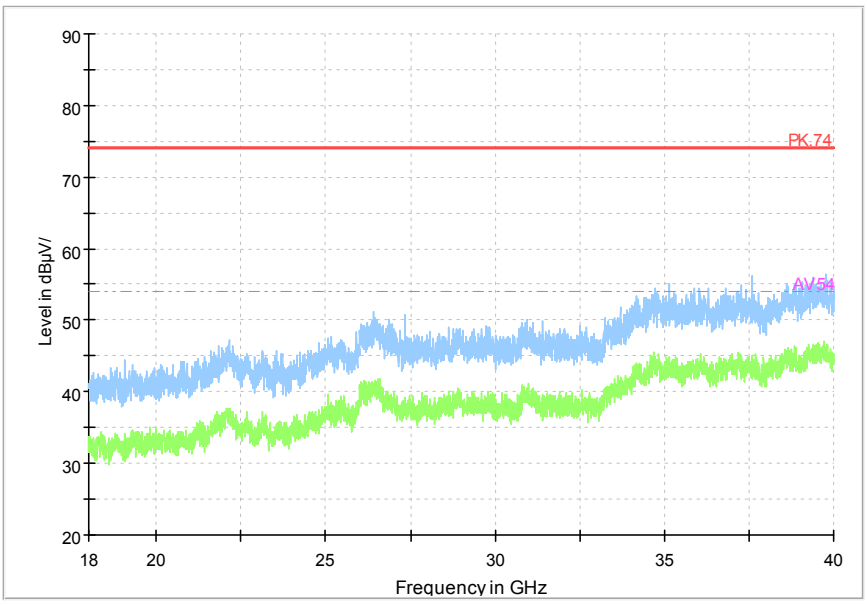
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

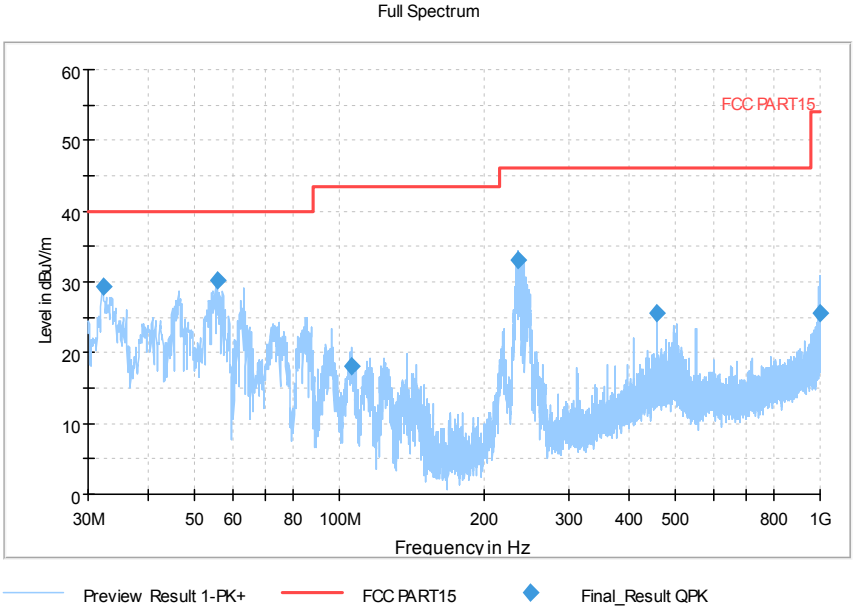


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

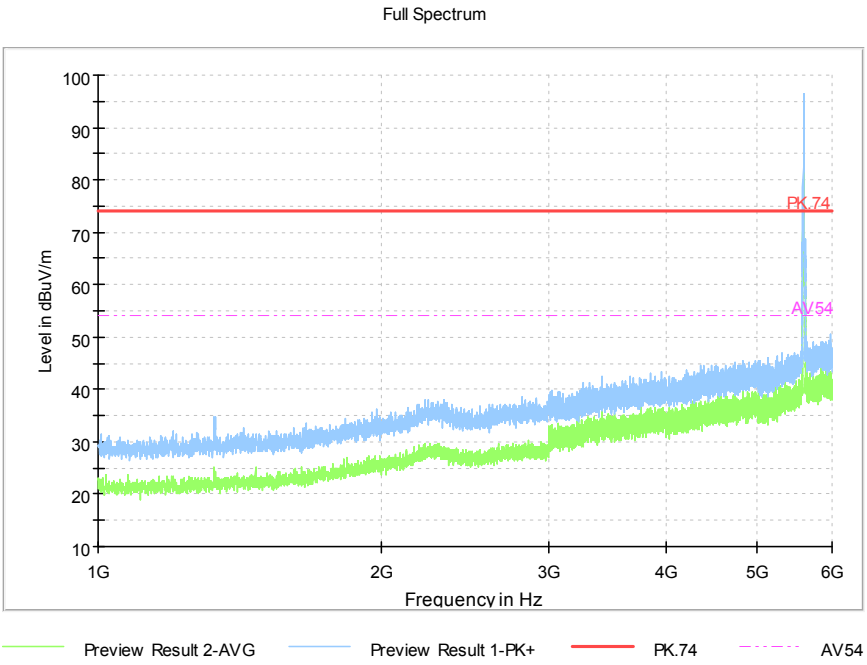


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

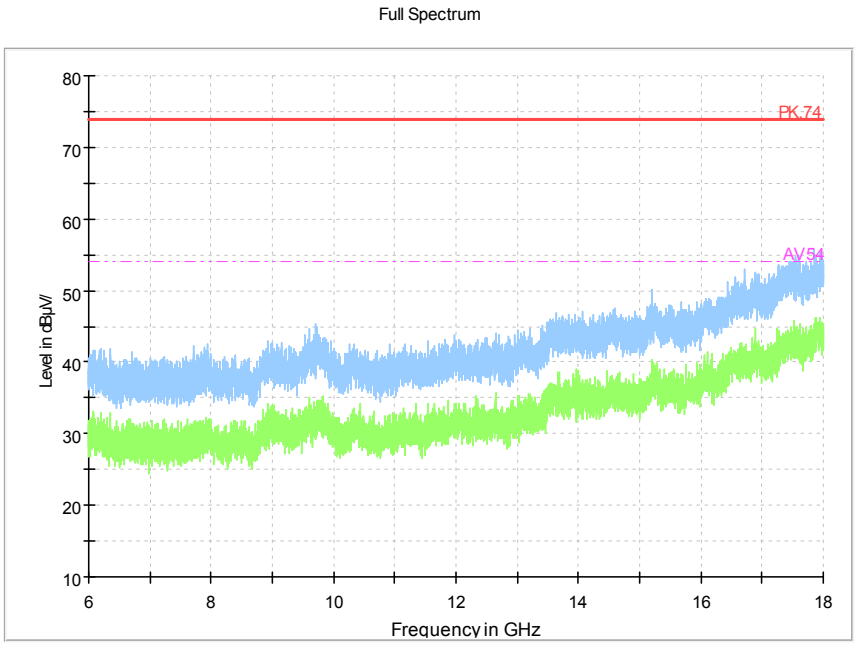
Carrier frequency (MHz): 5600
Channel No.:120



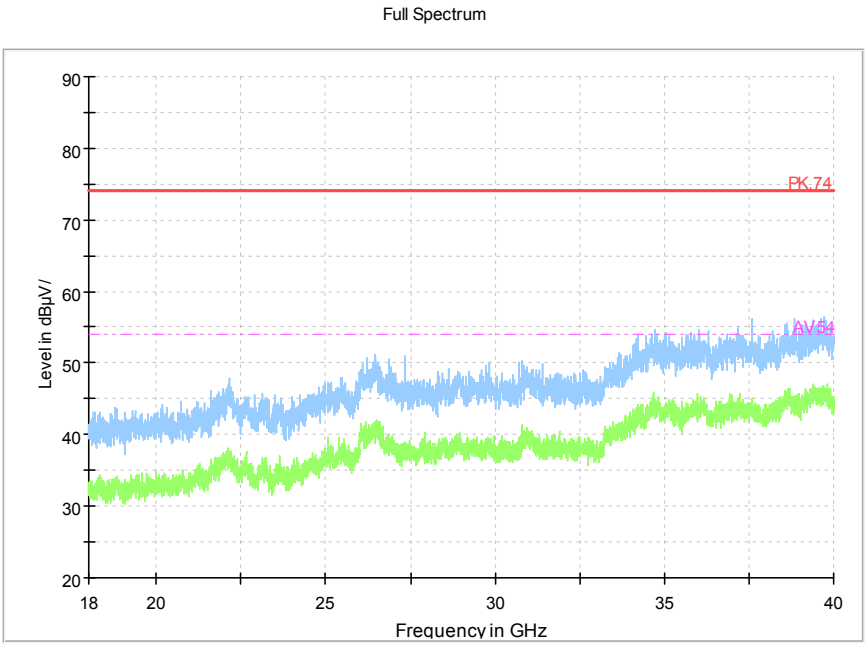
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



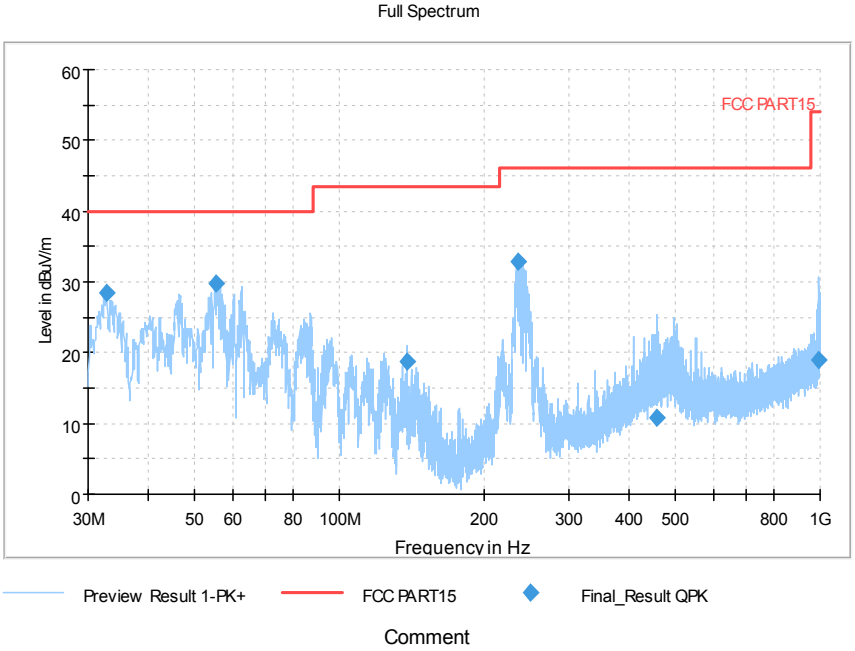
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



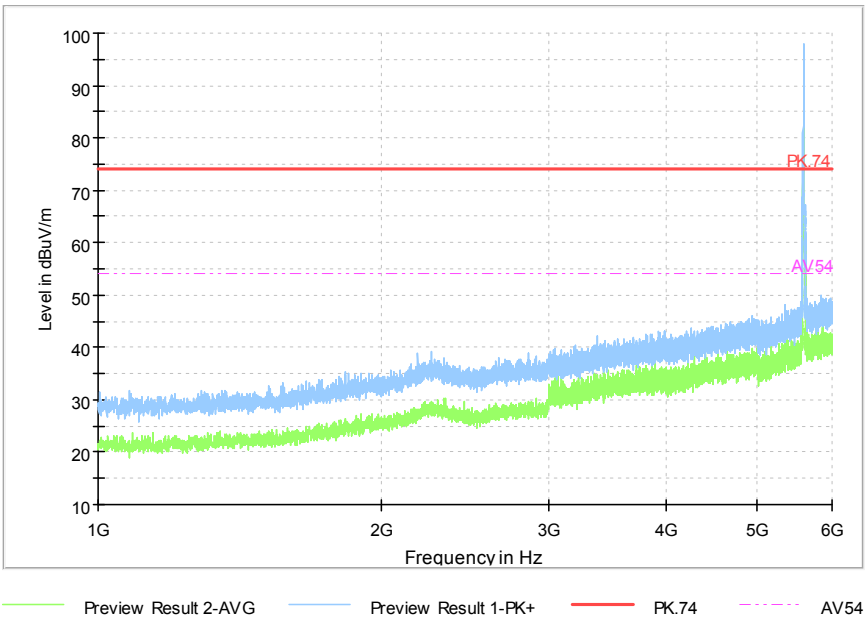
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



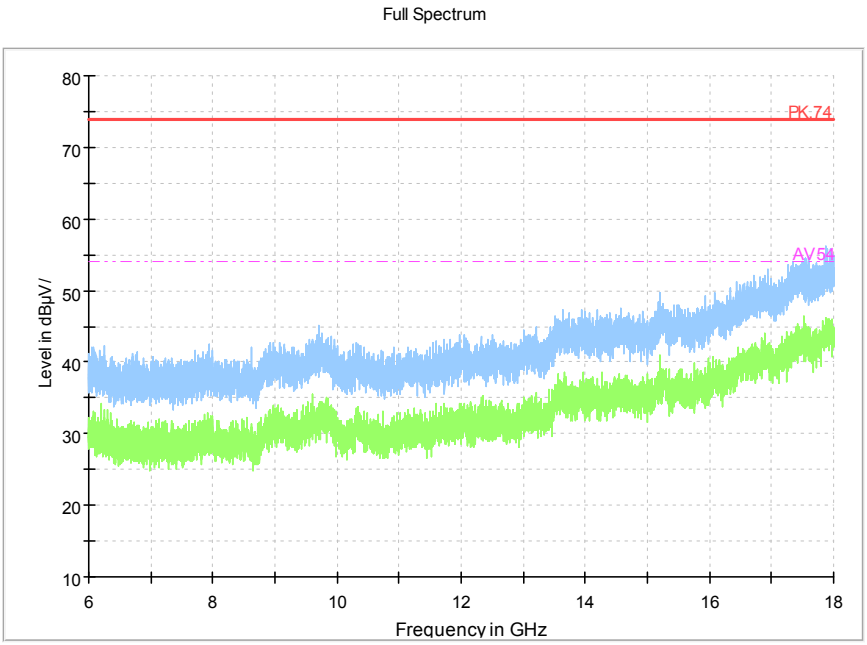
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



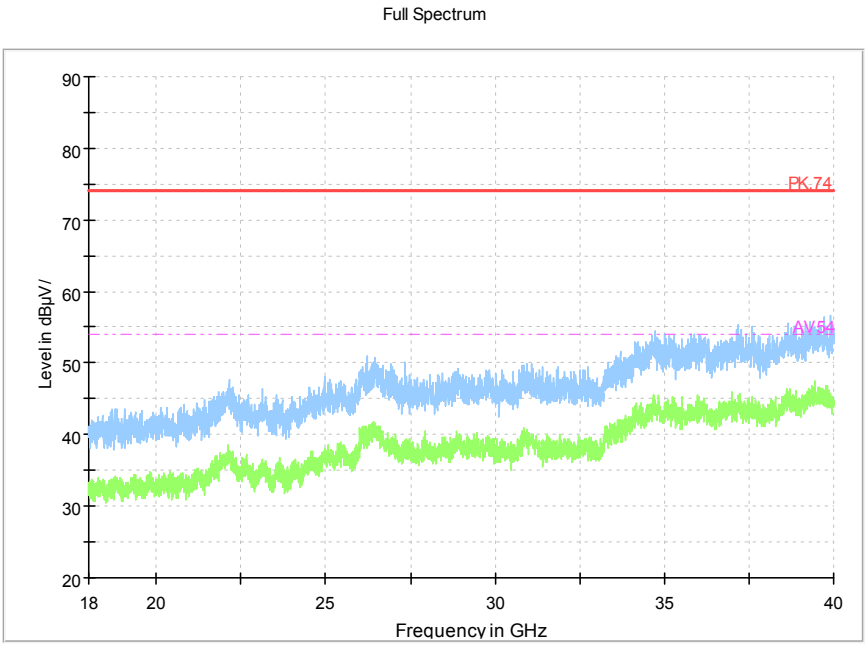
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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



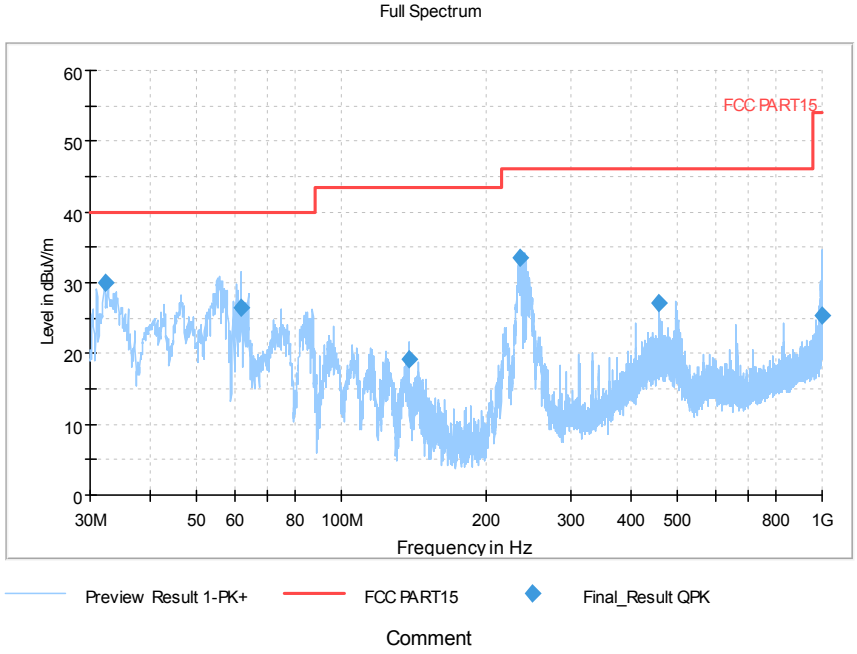
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



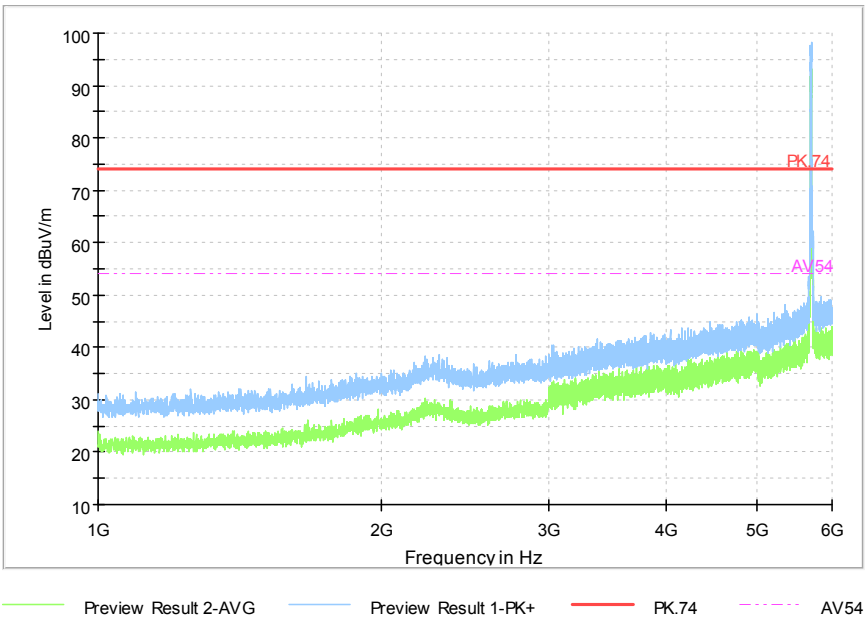
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Carrier frequency (MHz): 5700

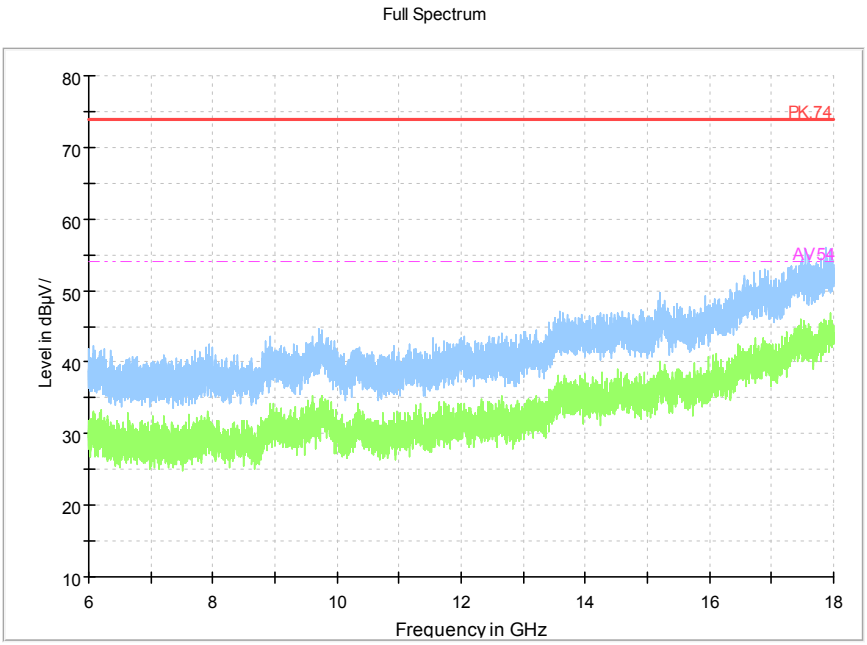
Channel No.:140



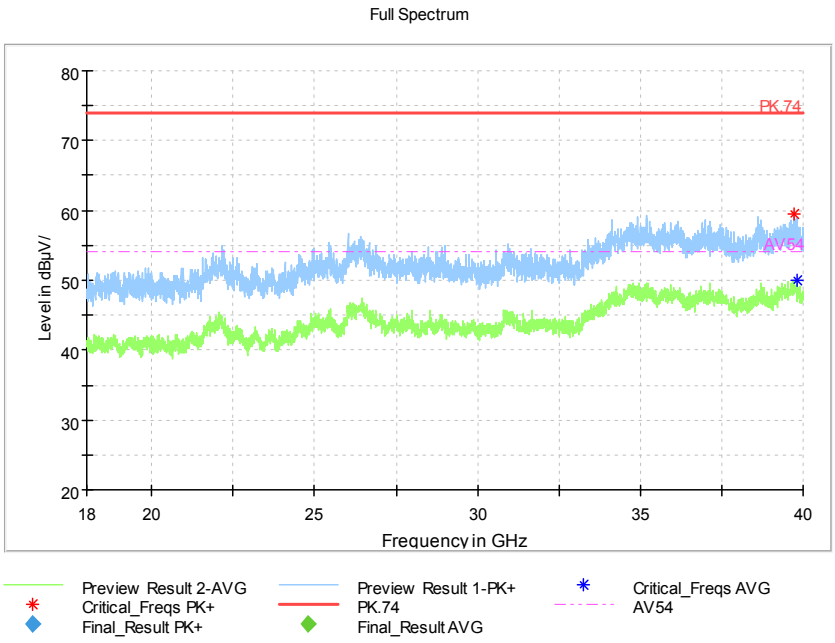
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



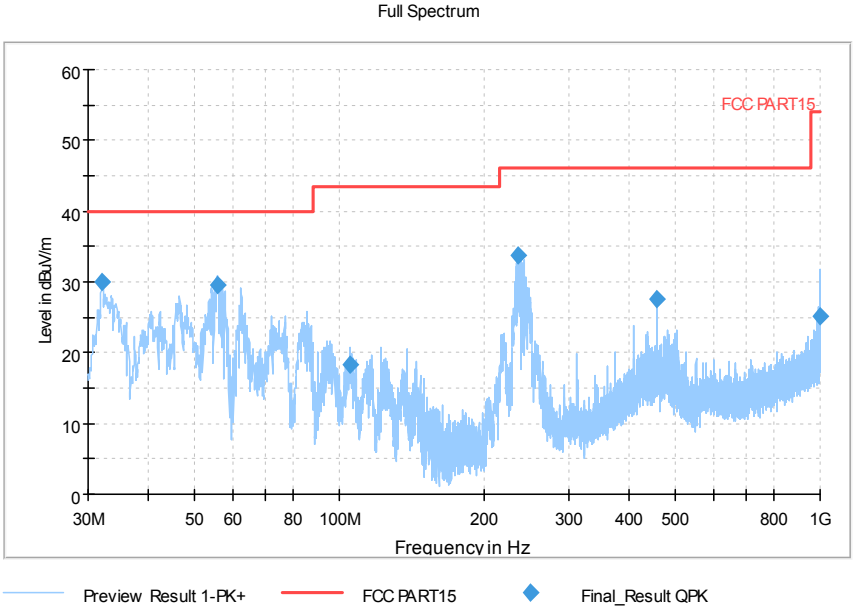
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



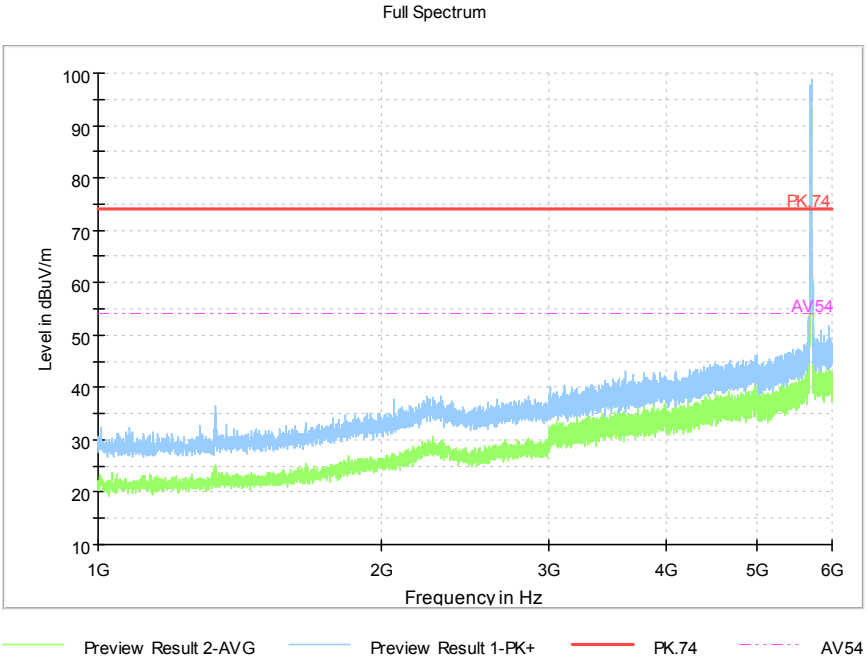
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



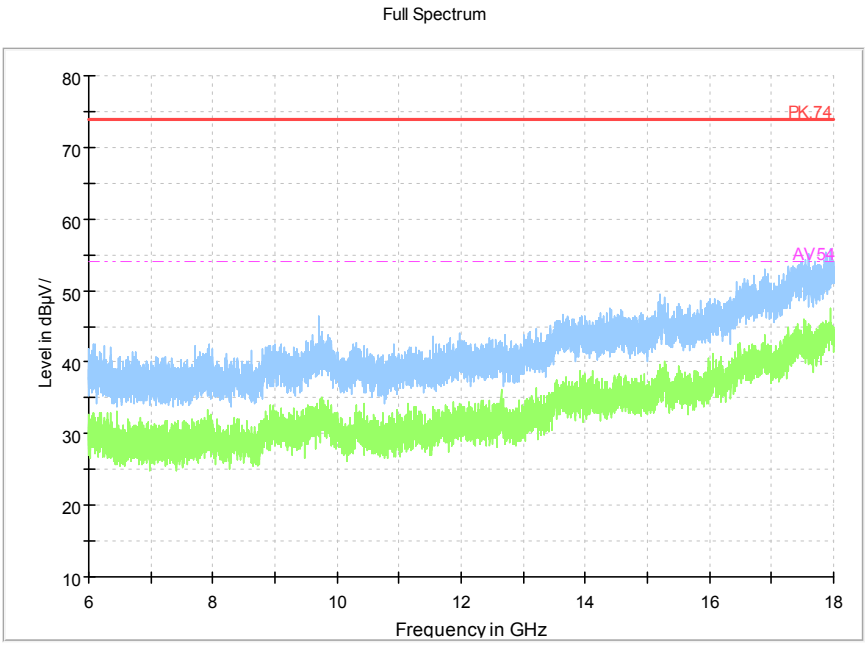
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



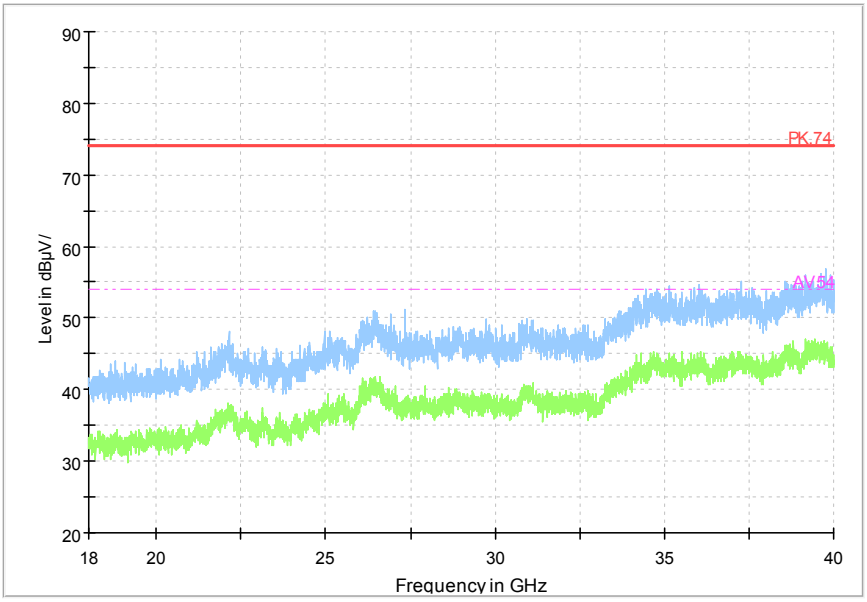
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

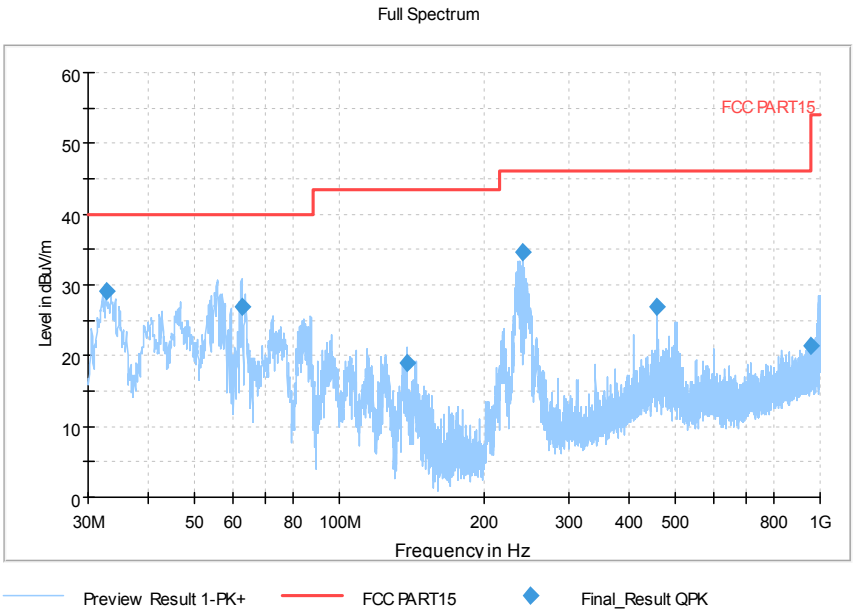


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

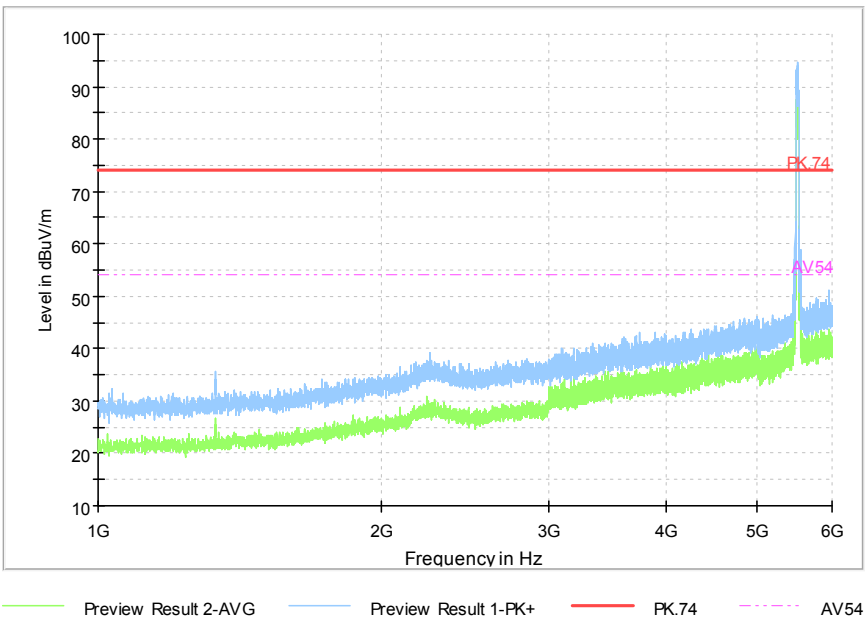


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Carrier frequency (MHz): 5510
Channel No.:102



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



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