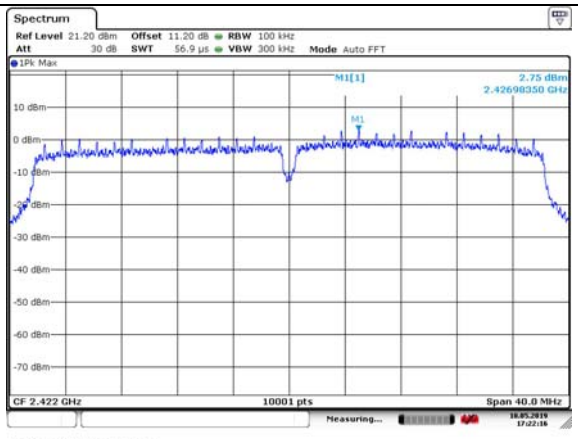
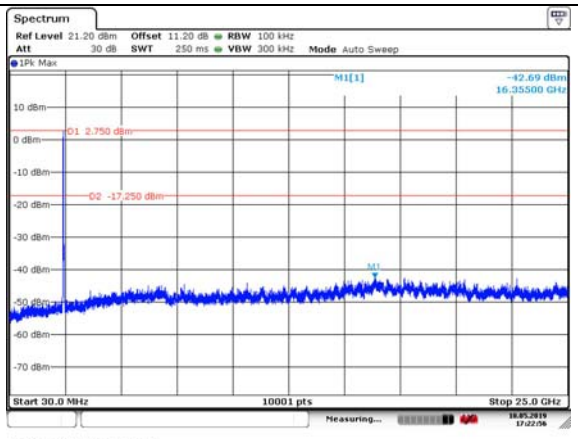
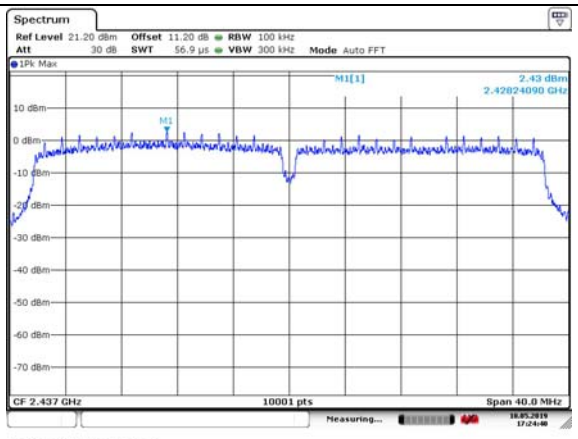
802.11n (40MHz) (MIMO Ant1)

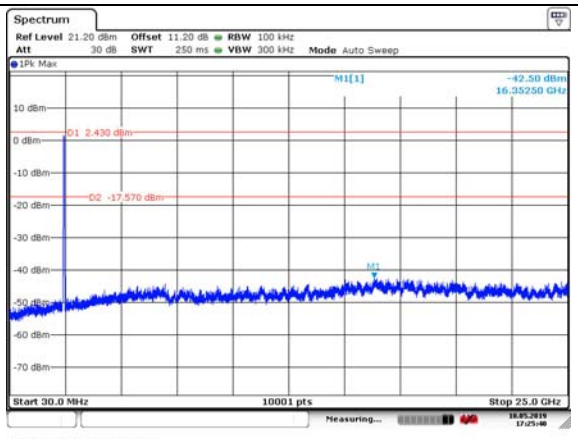
CH3



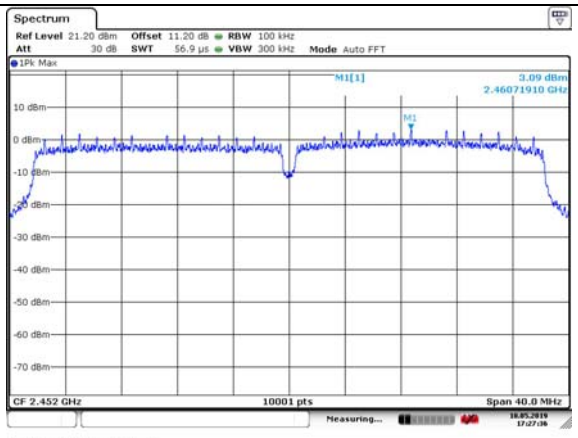


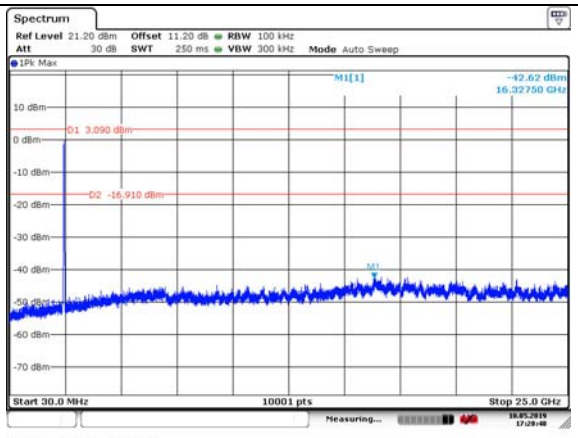
CH6





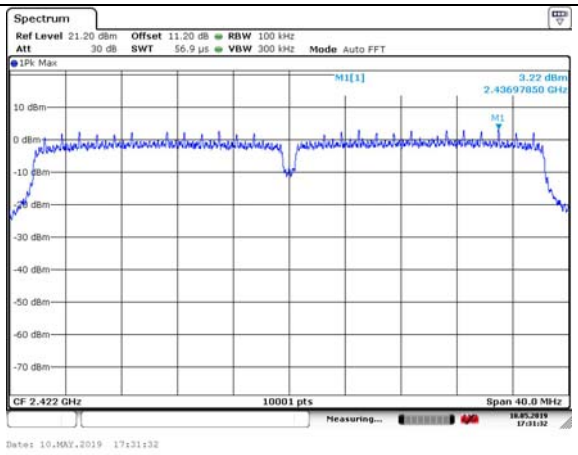
CH9

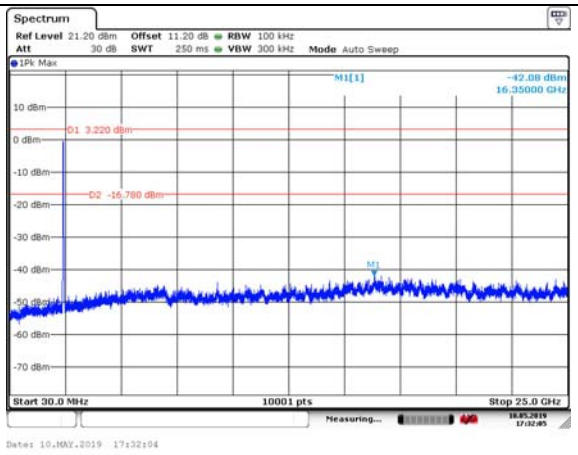




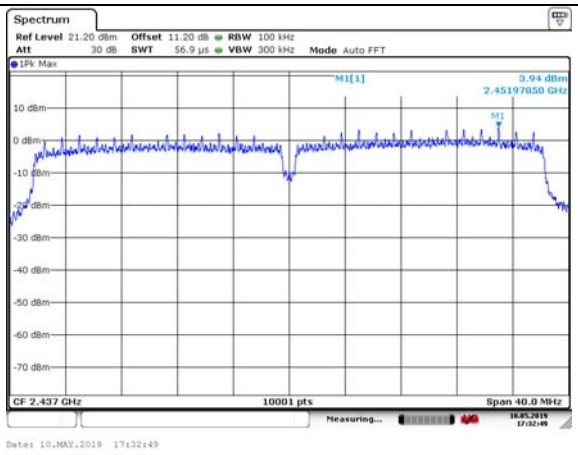
802.11n (40MHz) (MIMO Ant2)

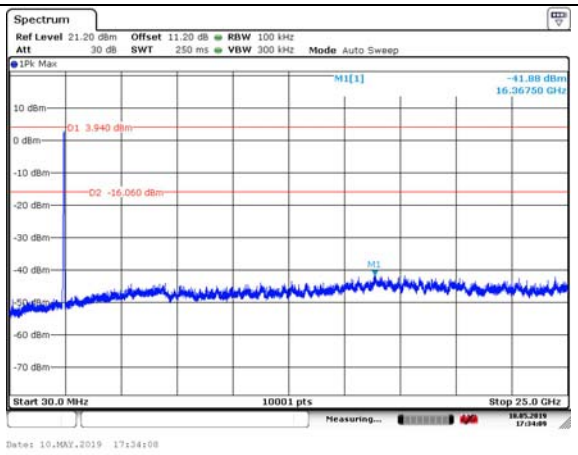
CH3



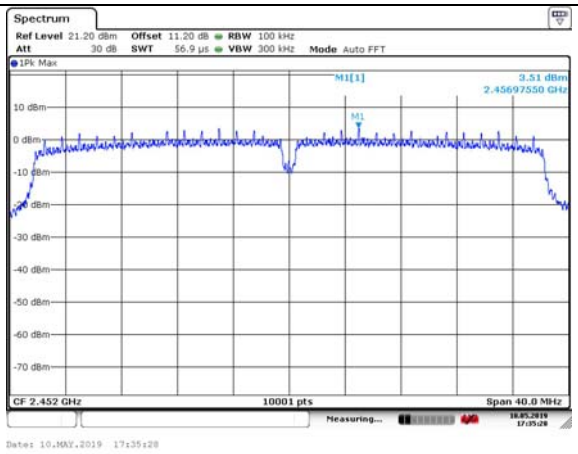


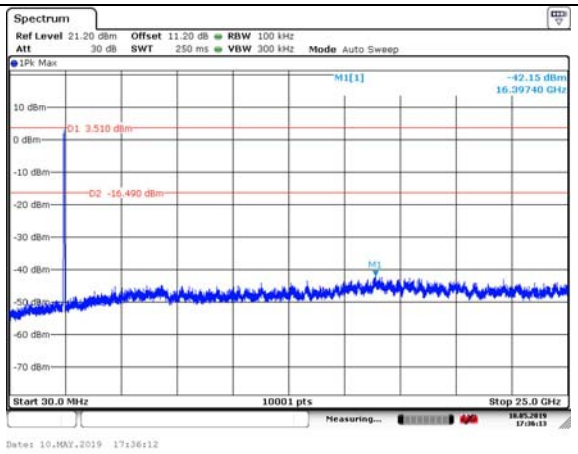
CH6





CH9

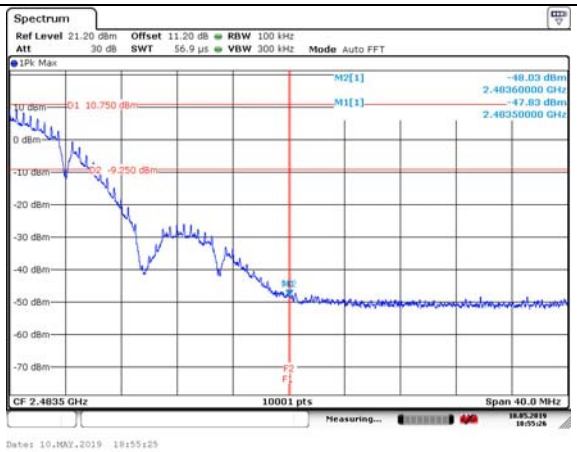




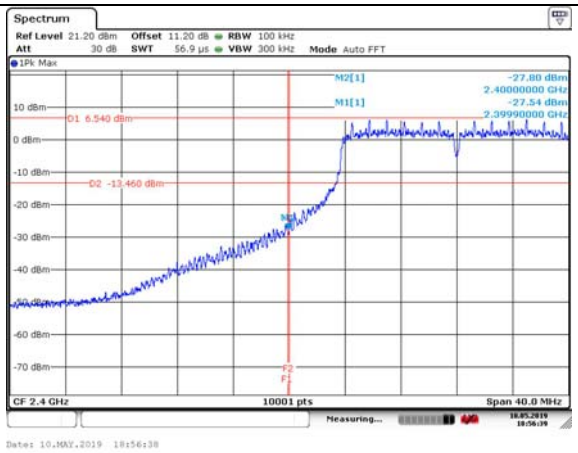
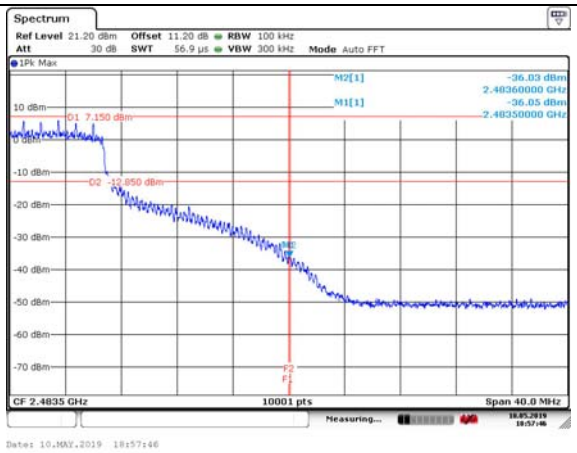
Band edge measurement (RF Conducted measurement)

Offset 11.2dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

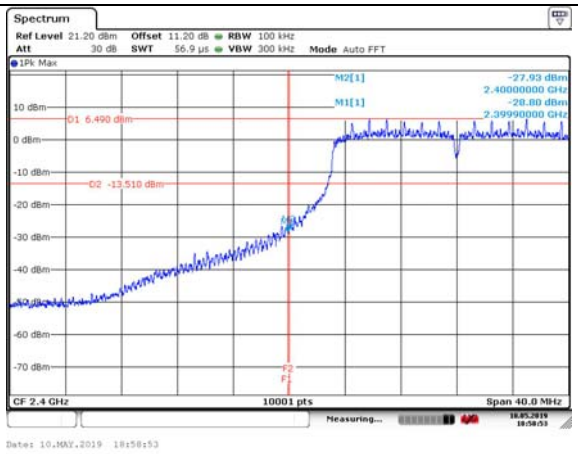
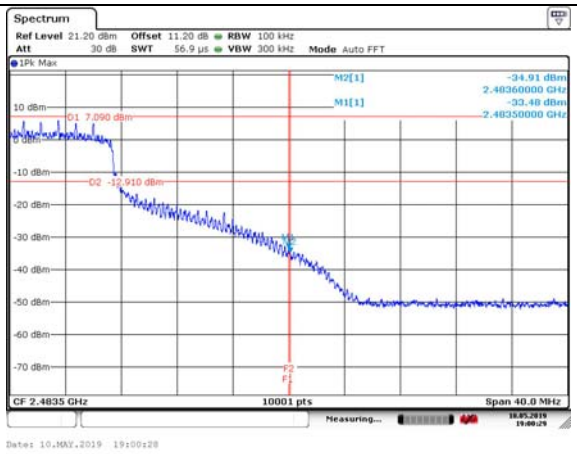
802.11b (SISO Ant2)

CH1	CH11
	

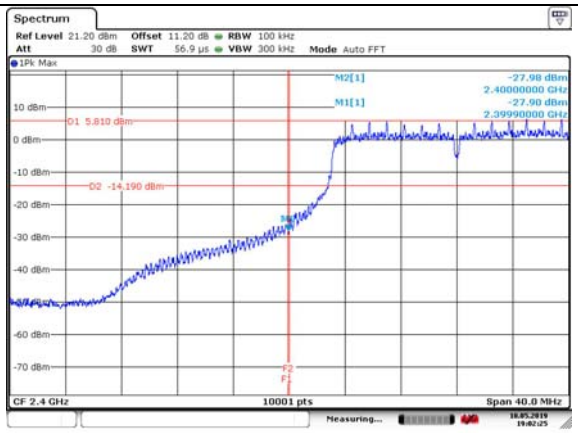
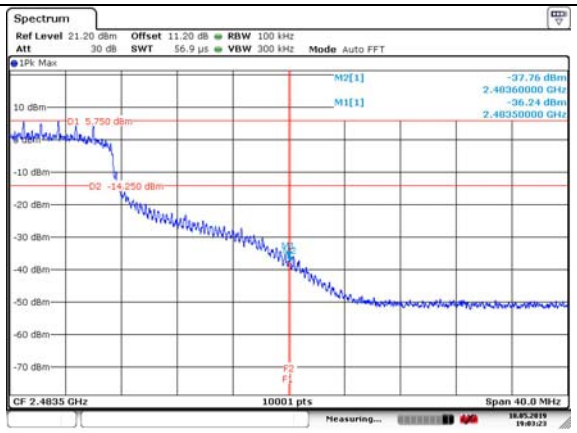
802.11g (SISO Ant2)

CH1	CH11
	

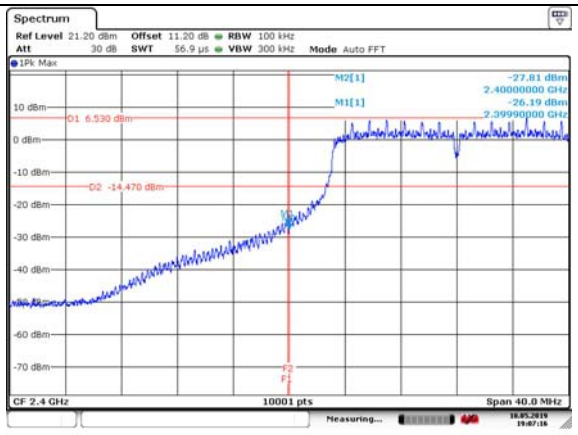
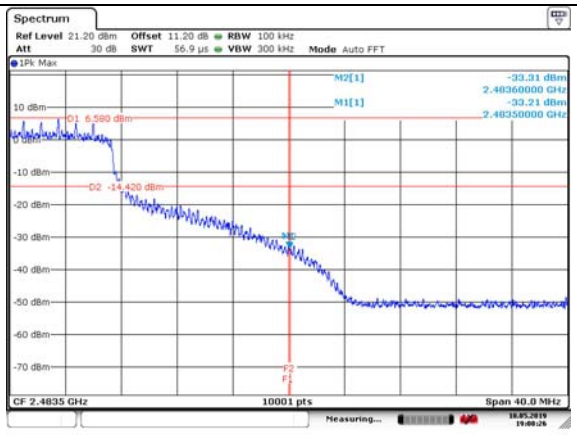
802.11n (20MHz) (SISO Ant2)

CH1	CH11
	

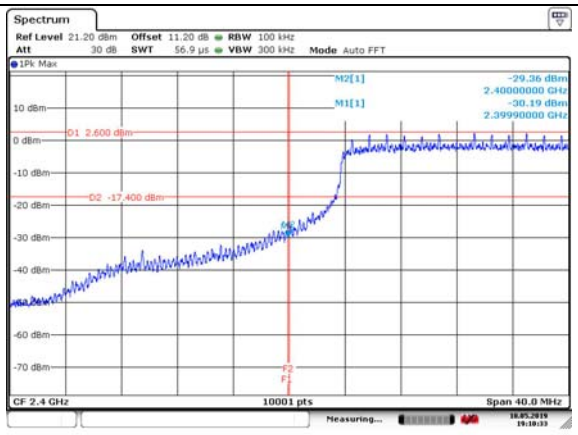
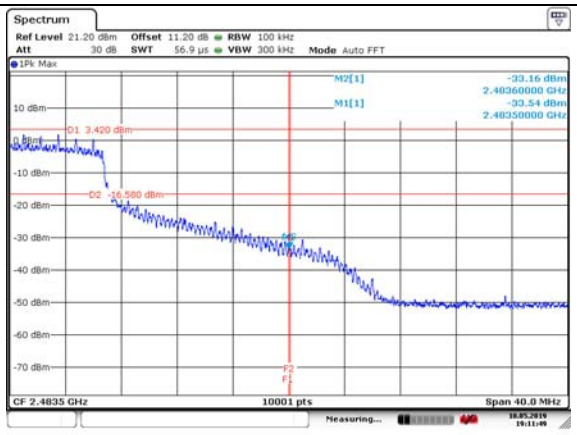
802.11n (20MHz)(MIMO Ant1)

CH1	CH11
	

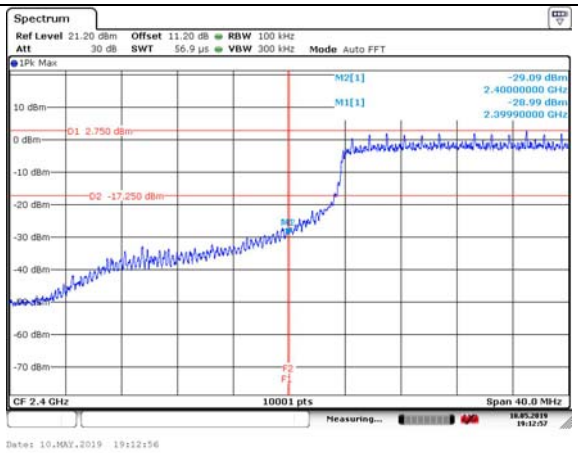
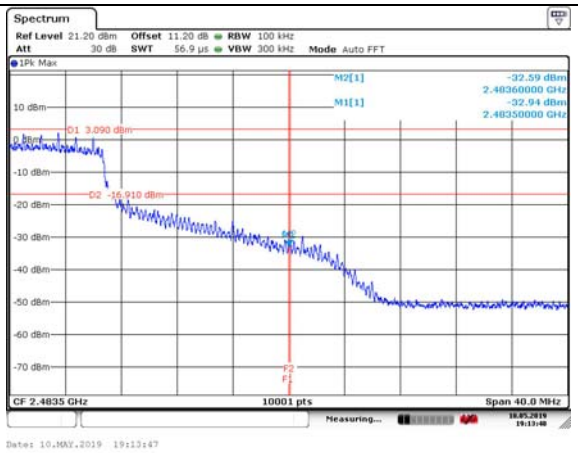
802.11n (20MHz) (MIMO Ant2)

CH1	CH11
	

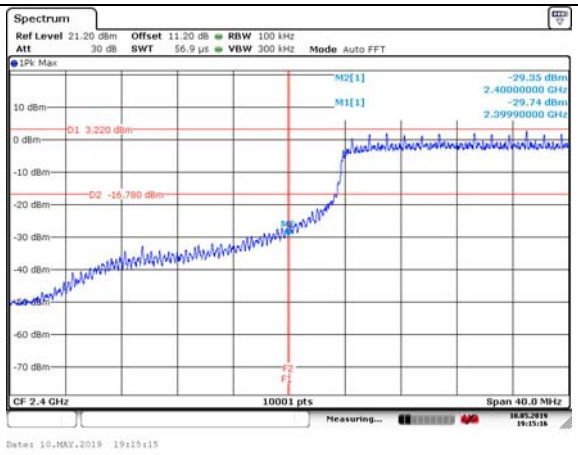
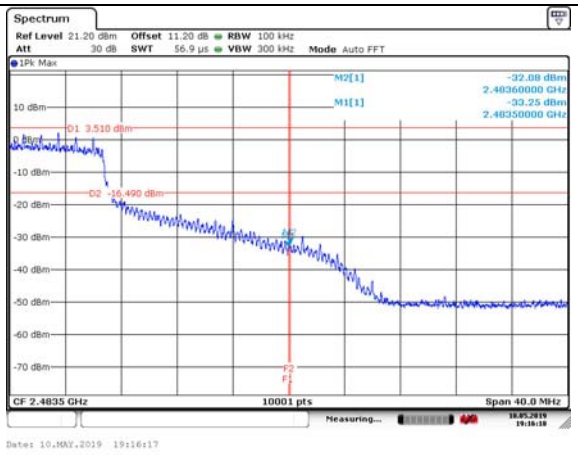
802.11n (40MHz) (SISO Ant2)

CH3	CH9
	

802.11n (40MHz)(MIMO Ant1)

CH3	CH9
	

802.11n (40MHz) (MIMO Ant2)

CH3	CH9
	

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The worst case attitude: The mobile lay down. MIMO Ant1+Ant2
The measurement results are obtained as described below:
Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (99.44 dBuV/m) = (65.44 dBμV) + (8.90 dB) + (25.10 dB), the corresponding frequency is 2412MHz.

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	99.44	65.44	N/A	N/A	8.90	25.10
2	2390	49.03	15.03	-24.97	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	104.51	70.51	N/A	N/A	8.90	25.10
2	2390	51.00	17.00	-23.00	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	87.92	53.92	N/A	N/A	8.90	25.10
2	2390	40.14	6.14	-13.86	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	91.34	57.34	N/A	N/A	8.90	25.10
2	2390	39.86	5.86	-14.14	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	100.03	66.03	N/A	N/A	8.90	25.10
2	2483.5	49.03	15.03	-24.97	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	105.39	71.39	N/A	N/A	8.90	25.10
2	2483.5	53.00	19.00	-21.00	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	88.95	54.95	N/A	N/A	8.90	25.10
2	2483.5	40.87	6.87	-13.13	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	93.76	59.76	N/A	N/A	8.90	25.10
2	2483.5	40.95	6.95	-13.05	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	100.27	66.27	N/A	N/A	8.90	25.10
2	2390	48.05	14.05	-25.95	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	104.83	70.83	N/A	N/A	8.90	25.10
2	2390	50.72	16.72	-23.28	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	90.31	56.31	N/A	N/A	8.90	25.10
2	2390	40.19	6.19	-13.81	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	93.90	59.90	N/A	N/A	8.90	25.10
2	2390	40.12	6.12	-13.88	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	100.38	66.38	N/A	N/A	8.90	25.10
2	2483.5	48.50	14.50	-25.50	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	105.03	71.03	N/A	N/A	8.90	25.10
2	2483.5	52.44	18.44	-21.56	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	87.90	53.90	N/A	N/A	8.90	25.10
2	2483.5	39.15	5.15	-14.85	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	94.09	60.09	N/A	N/A	8.90	25.10
2	2483.5	40.91	6.91	-13.09	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20 MIMO)
Polarity: Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	101.65	67.65	N/A	N/A	8.90	25.10
2	2390	48.57	14.57	-25.43	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20 MIMO)
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	105.12	71.12	N/A	N/A	8.90	25.10
2	2390	54.35	20.35	-19.65	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20 MIMO)
Polarity: Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	90.81	56.81	N/A	N/A	8.90	25.10
2	2390	39.31	5.31	-14.69	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20 MIMO)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	91.75	57.75	N/A	N/A	8.90	25.10
2	2390	40.31	6.31	-13.69	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20 MIMO)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	100.20	66.20	N/A	N/A	8.90	25.10
2	2483.5	46.88	12.88	-27.12	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20 MIMO)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	106.01	72.01	N/A	N/A	8.90	25.10
2	2483.5	51.25	17.25	-22.75	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20 MIMO)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	90.50	56.50	N/A	N/A	8.90	25.10
2	2483.5	38.98	4.98	-15.02	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20 MIMO)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	91.94	57.94	N/A	N/A	8.90	25.10
2	2483.5	41.53	7.53	-12.47	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40 MIMO)
Polarity: Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2422	100.75	66.75	N/A	N/A	8.90	25.10
2	2390	50.77	16.77	-23.23	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40 MIMO)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2422	104.42	70.42	N/A	N/A	8.90	25.10
2	2390	52.52	18.52	-21.48	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40 MIMO)
Polarity: Vertical
Detector: AVerage

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2422	89.06	55.06	N/A	N/A	8.90	25.10
2	2390	40.48	6.48	-13.52	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
Test Mode: 802.11n(HT40 MIMO)
Polarity:Horizontal
Detector: AVerage

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2422	90.95	56.95	N/A	N/A	8.90	25.10
2	2390	40.74	6.74	-13.26	54.00	8.90	25.10

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

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2452	100.05	66.05	N/A	N/A	8.90	25.10
2	2483.5	49.26	15.26	-24.74	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
Test Mode: 802.11n(HT40 MIMO)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2452	104.74	70.74	N/A	N/A	8.90	25.10
2	2483.5	52.63	18.63	-21.37	74.00	8.90	25.10

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

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2452	88.98	54.98	N/A	N/A	8.90	25.10
2	2483.5	39.87	5.87	-14.13	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.9
Test Mode: 802.11n(HT40 MIMO)
Polarity:Horizontal
Detector: AVerage

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2452	90.73	56.73	N/A	N/A	8.90	25.10
2	2483.5	40.70	6.70	-13.30	54.00	8.90	25.10

Sample Calculations

Determining Spurious Emissions Levels

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.
The measurement results are obtained as described below:
Result= P_{mea} + A_{Rpl}
Sample calculation: (15.90 dBμV/m) = (33.6 dBμV) + (-17.7 dB/m), the corresponding frequency is 51.980417MHz.
The worst case attitude: SISO Ant1 and MIMO Ant1+Ant2.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.980417	15.90	-17.7	33.6	Vertical	40.00
84.865833	32.21	-23.2	55.41	Vertical	40.00
90.376250	34.70	-21.2	55.9	Vertical	43.50
116.305417	31.78	-21.0	52.78	Vertical	43.50
125.523333	30.20	-22.3	52.5	Vertical	43.50
133.220833	29.01	-22.8	51.81	Vertical	43.50

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.889167	33.17	-23.2	56.37	Vertical	40.00
87.773333	33.95	-22.1	56.05	Vertical	40.00
108.938750	30.15	-19.9	50.05	Vertical	43.50
118.488333	30.95	-21.4	52.35	Vertical	43.50
119.224583	30.10	-21.5	51.6	Vertical	43.50
125.772917	30.89	-22.3	53.19	Vertical	43.50

For 802.11n(HT20 MIMO) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.537083	33.28	-23.3	56.58	Vertical	40.00
87.882917	34.44	-22.1	56.54	Vertical	40.00
98.330417	26.31	-19.6	45.91	Vertical	43.50
114.153750	31.43	-20.6	52.03	Vertical	43.50
124.457917	31.83	-22.1	53.93	Vertical	43.50
141.993333	22.63	-23.0	45.63	Vertical	43.50

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
86.396250	33.59	-22.6	56.19	Vertical	40.00
87.895000	34.57	-22.1	56.67	Vertical	40.00
98.148750	26.93	-19.6	46.53	Vertical	43.50
114.152500	30.99	-20.6	51.59	Vertical	43.50
124.438333	31.96	-22.1	54.06	Vertical	43.50
142.112500	23.80	-23.0	46.8	Vertical	43.50

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
85.053750	33.40	-23.1	56.5	Vertical	40.00
87.857917	34.68	-22.1	56.78	Vertical	40.00
98.466667	29.04	-19.6	48.64	Vertical	43.50
113.708333	30.61	-20.6	51.21	Vertical	43.50
124.217083	32.04	-22.1	54.14	Vertical	43.50
141.910417	24.63	-23.0	47.63	Vertical	43.50

For 802.11n(HT20 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.891667	33.51	-23.2	56.71	Vertical	40.00
86.396667	33.95	-22.6	56.55	Vertical	40.00
96.367917	26.98	-19.9	46.88	Vertical	43.50
111.202917	31.85	-20.2	52.05	Vertical	43.50
122.371250	32.49	-21.9	54.39	Vertical	43.50
139.165000	24.22	-23.0	47.22	Vertical	43.50

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.031250	33.21	-23.5	56.71	Vertical	40.00
87.855833	34.60	-22.1	56.7	Vertical	40.00
98.722917	29.16	-19.5	48.66	Vertical	43.50
114.287500	30.14	-20.7	50.84	Vertical	43.50
124.493333	32.12	-22.2	54.32	Vertical	43.50
141.645833	24.85	-23.0	47.85	Vertical	43.50

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.547917	33.25	-23.3	56.55	Vertical	40.00
87.449167	34.44	-22.3	56.74	Vertical	40.00
99.470417	30.21	-19.4	49.61	Vertical	43.50
113.520000	30.36	-20.5	50.86	Vertical	43.50
123.926667	32.25	-22.1	54.35	Vertical	43.50
140.660000	25.13	-23.0	48.13	Vertical	43.50

For 802.11n(HT20 MIMO) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.930000	33.42	-23.2	56.62	Vertical	40.00
87.896667	34.72	-22.1	56.82	Vertical	40.00
96.705417	30.69	-19.8	50.49	Vertical	43.50
110.940417	31.92	-20.2	52.12	Vertical	43.50
122.249583	30.13	-21.9	52.03	Vertical	43.50
138.444167	26.37	-23.0	49.37	Vertical	43.50

For 802.11n(HT40 MIMO) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
61.531250	15.20	-19.3	34.5	Vertical	40.00
84.992917	33.55	-23.2	56.75	Vertical	40.00
86.437917	34.11	-22.6	56.71	Vertical	40.00
116.232500	31.91	-21.0	52.91	Vertical	43.50
124.480000	31.50	-22.1	53.6	Vertical	43.50
144.356250	22.90	-23.0	45.9	Vertical	43.50

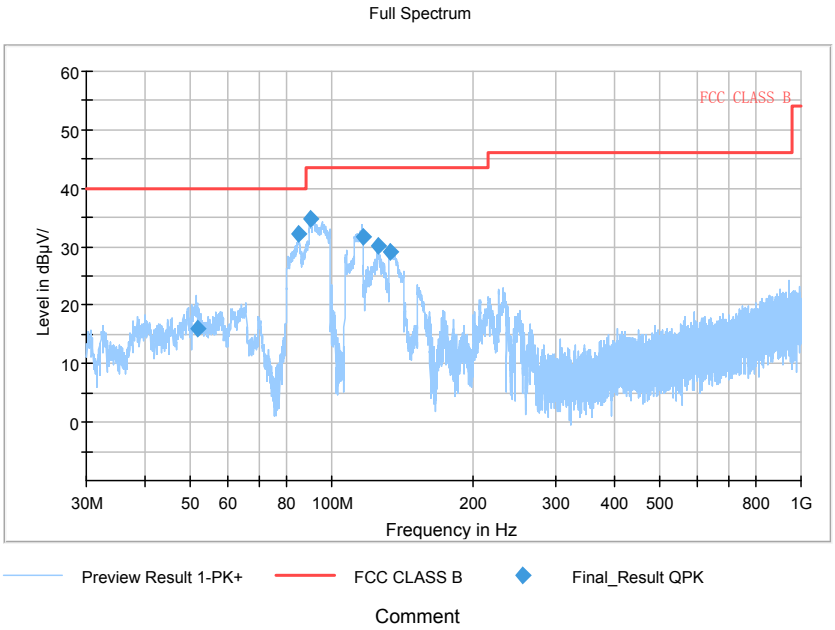
For 802.11n(HT40 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
84.906250	33.49	-23.2	56.69	Vertical	40.00
87.876667	34.68	-22.1	56.78	Vertical	40.00
113.334583	31.94	-20.5	52.44	Vertical	43.50
121.891667	30.14	-21.8	51.94	Vertical	43.50
124.326250	31.78	-22.1	53.88	Vertical	43.50
129.490833	30.87	-22.5	53.37	Vertical	43.50

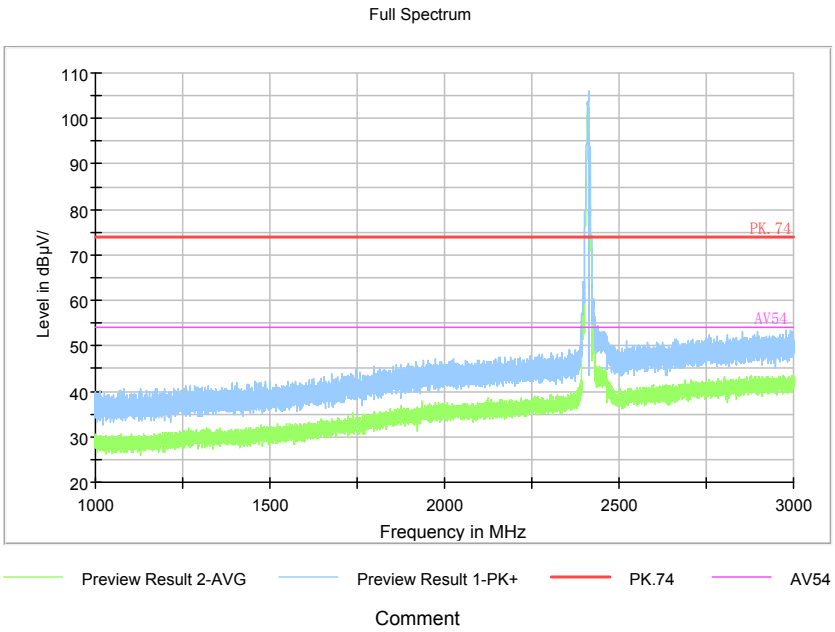
For 802.11n(HT40 MIMO) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
85.028750	33.36	-23.2	56.56	Vertical	40.00
88.037083	34.55	-22.0	56.55	Vertical	43.50
98.925833	29.37	-19.5	48.87	Vertical	43.50
111.238333	32.01	-20.2	52.21	Vertical	43.50
121.670417	32.36	-21.8	54.16	Vertical	43.50
138.740417	24.97	-23.0	47.97	Vertical	43.50

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

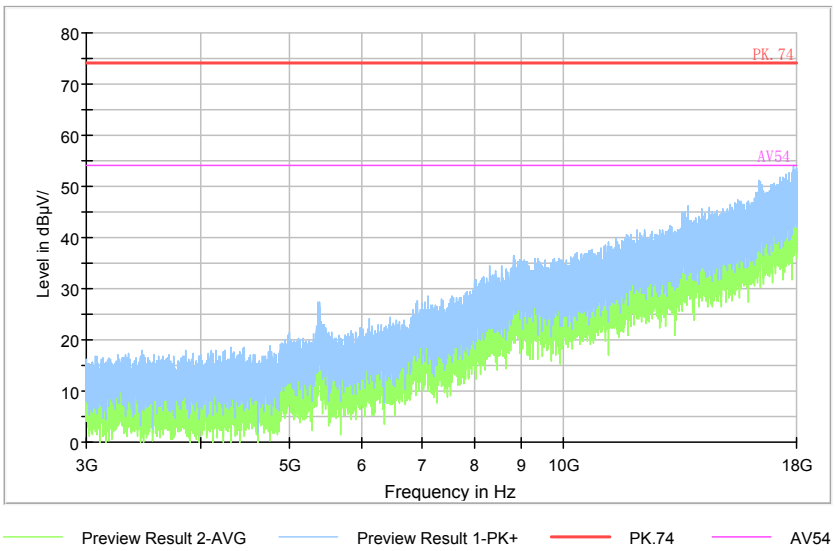


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



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

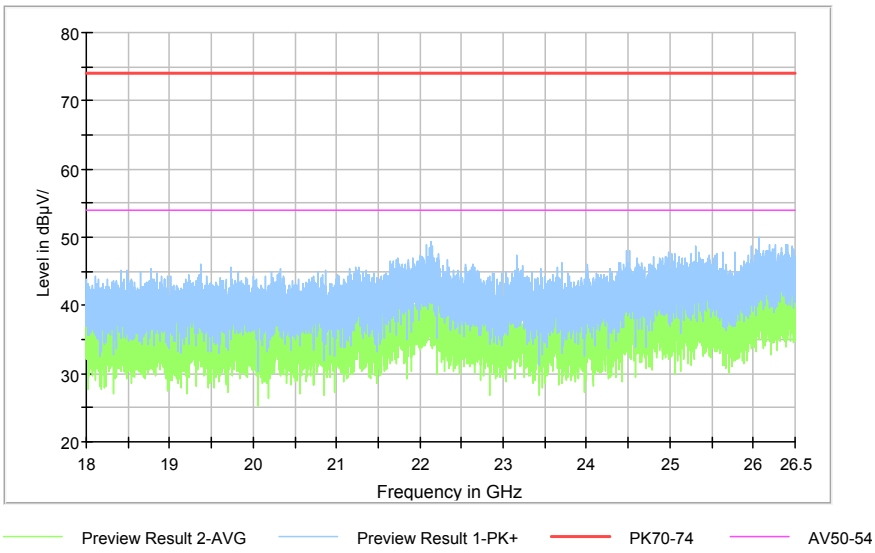
Full Spectrum



Comment

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

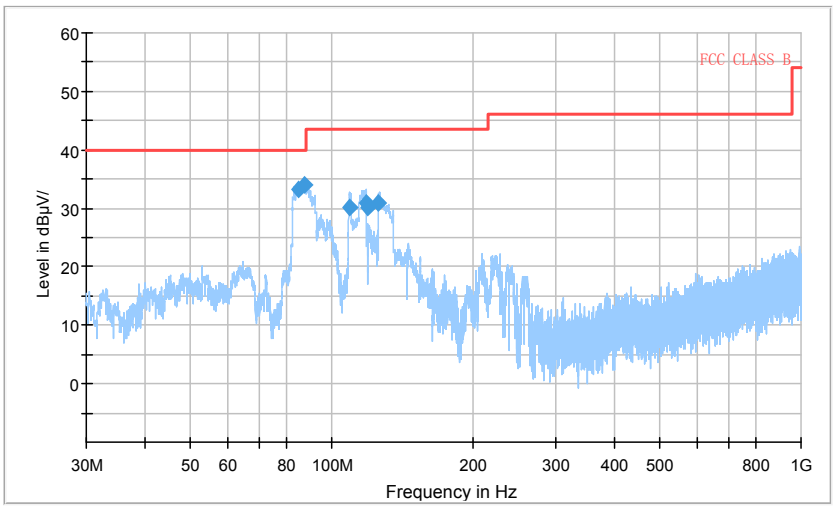
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

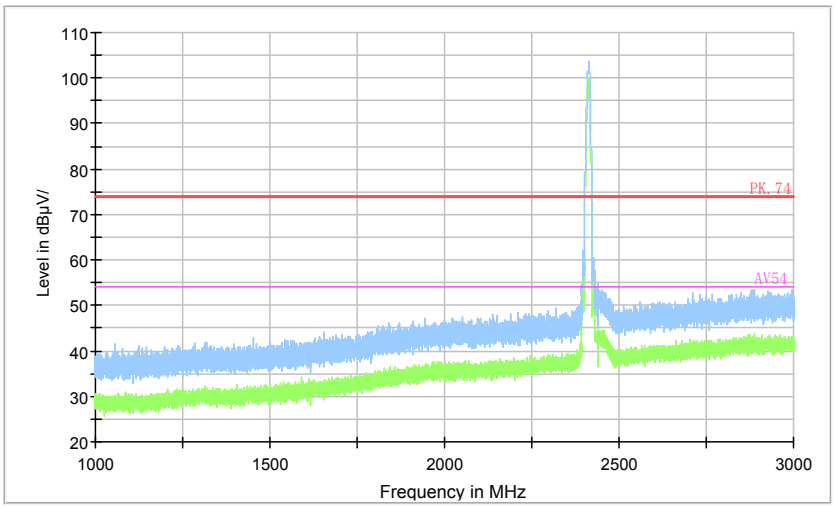
Full Spectrum



Comment

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

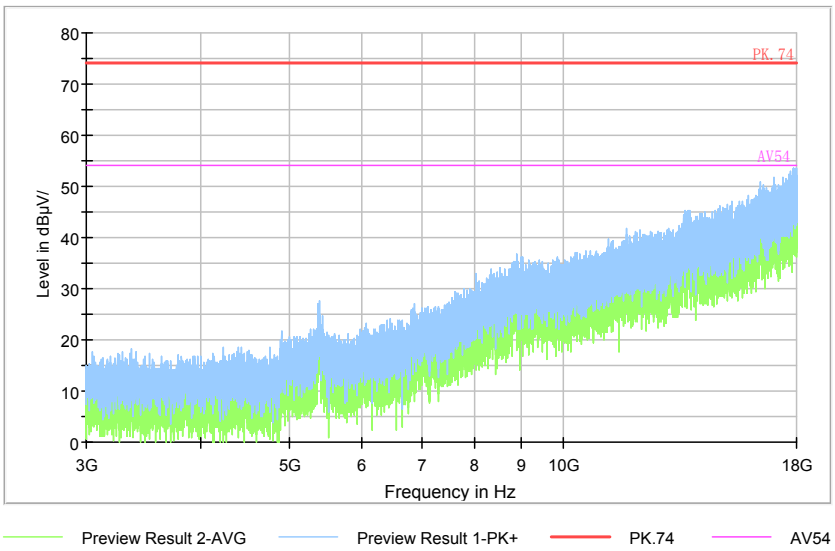
Full Spectrum



Comment

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

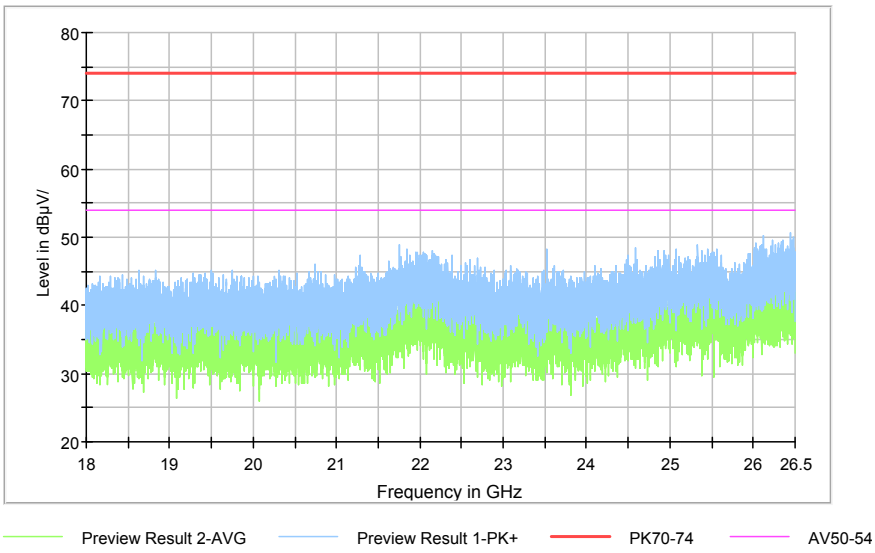
Full Spectrum



Comment

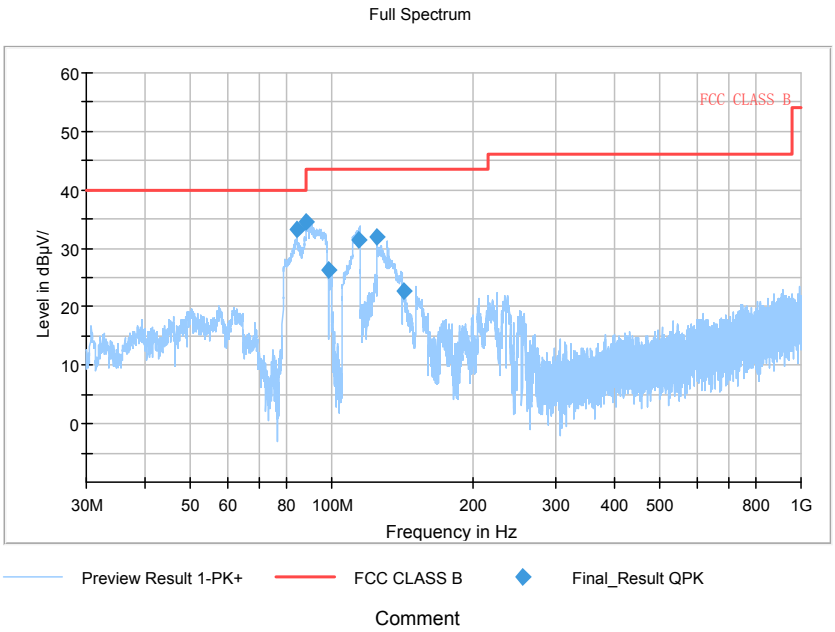
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum

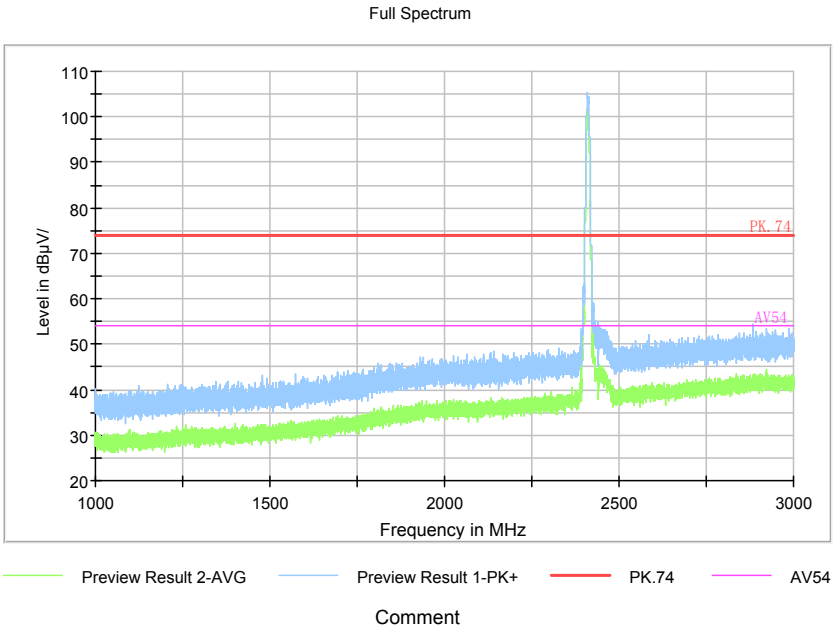


Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

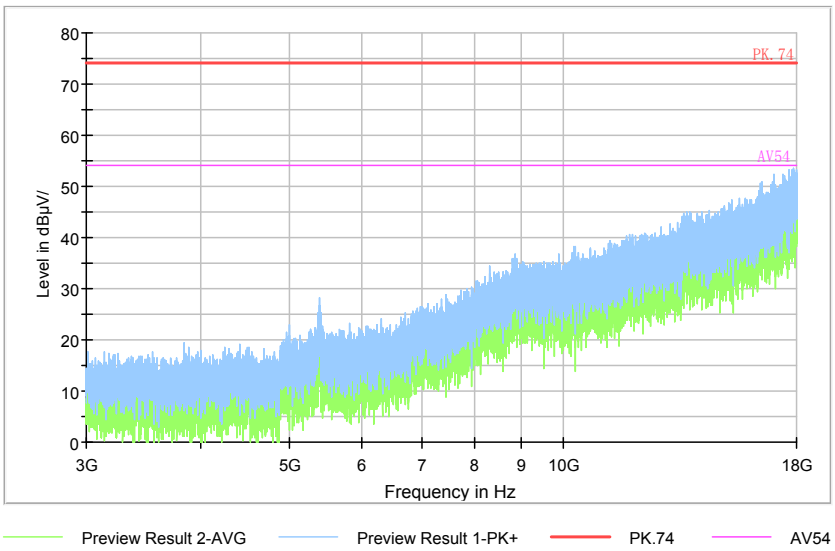


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20 MIMO)



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

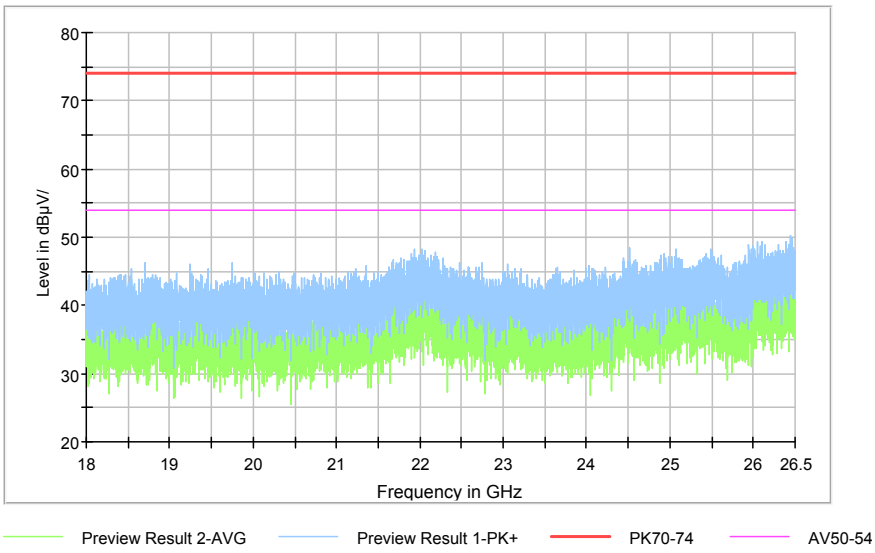
Full Spectrum



Comment

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

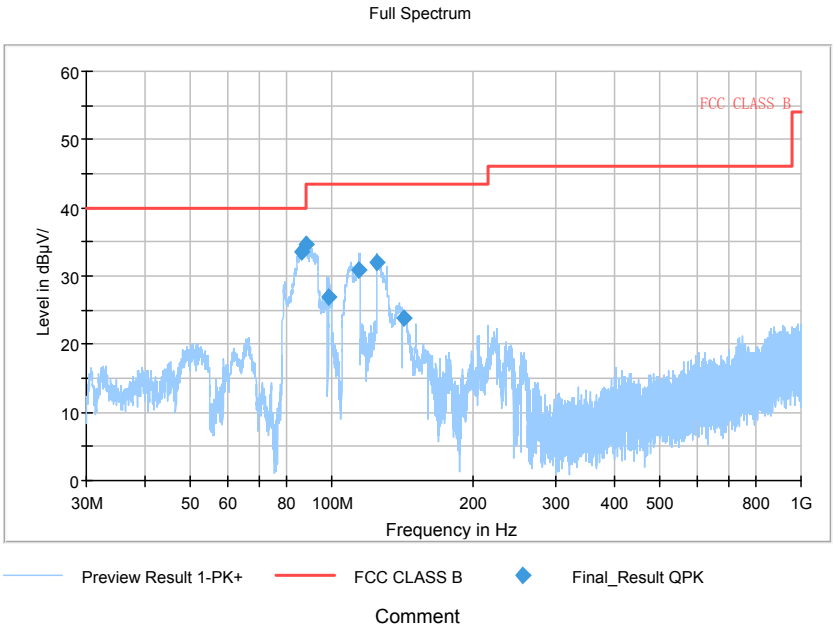
Full Spectrum



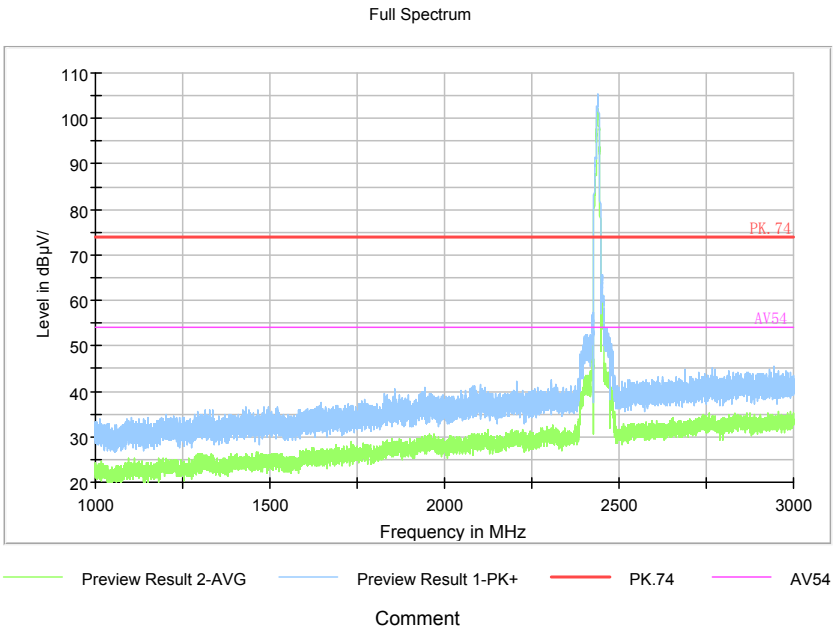
Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

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

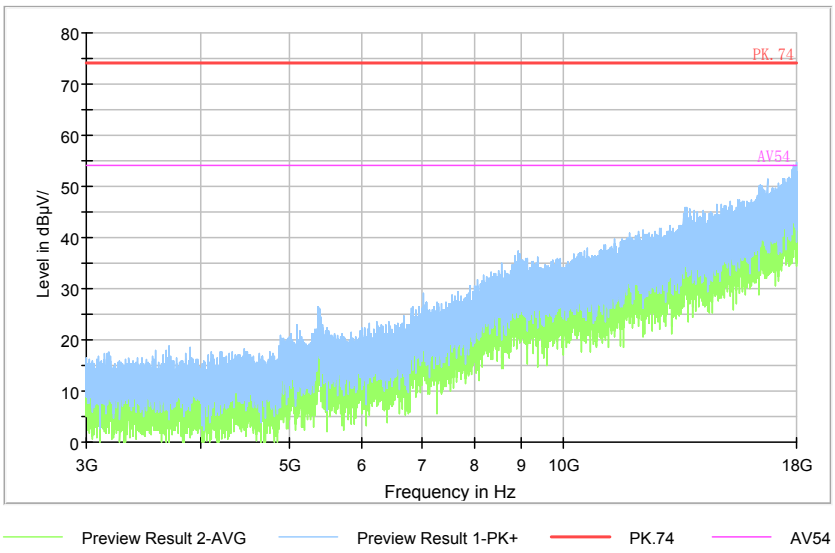


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



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

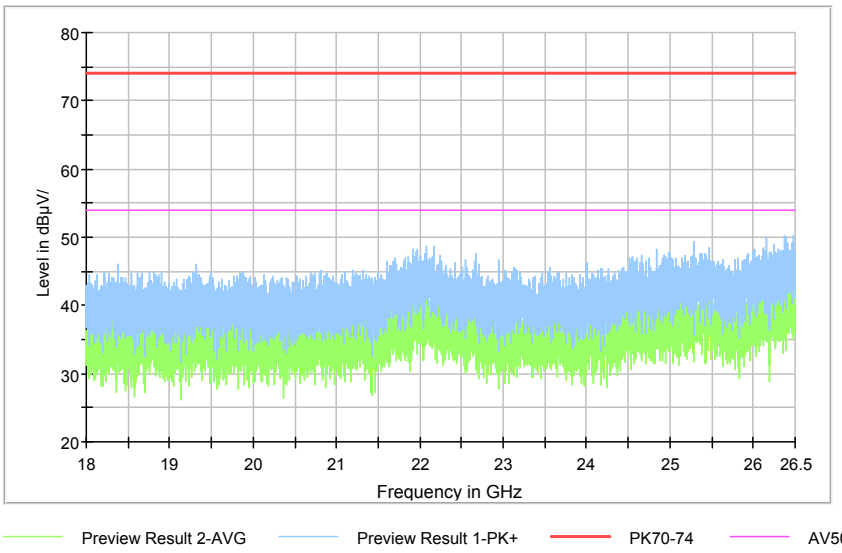
Full Spectrum



Comment

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

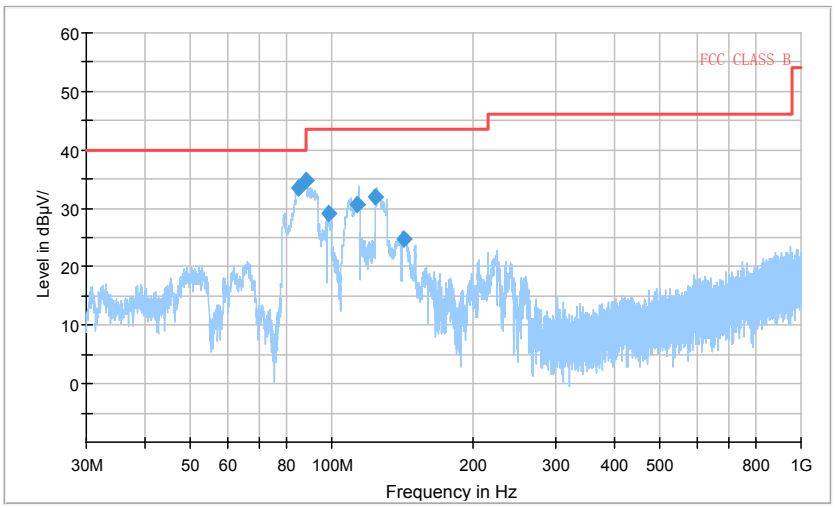
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum

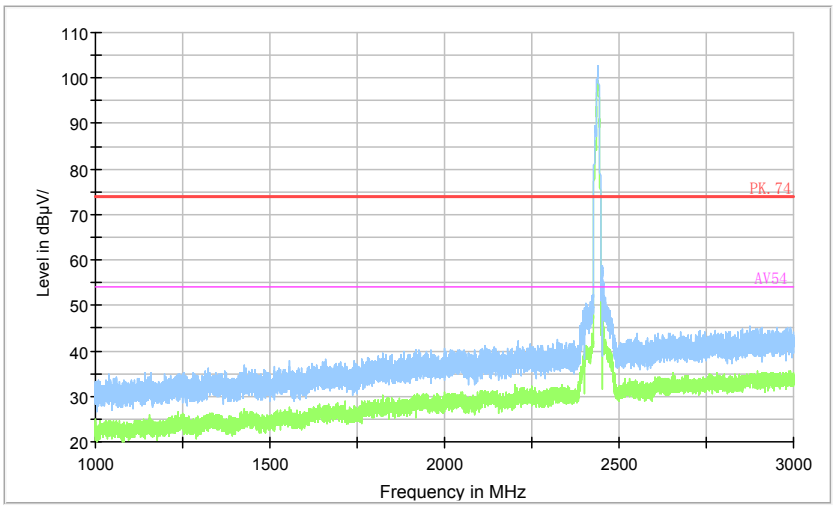


Preview Result 1-PK+ FCC CLASS B Final_Result QPK

Comment

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

Full Spectrum

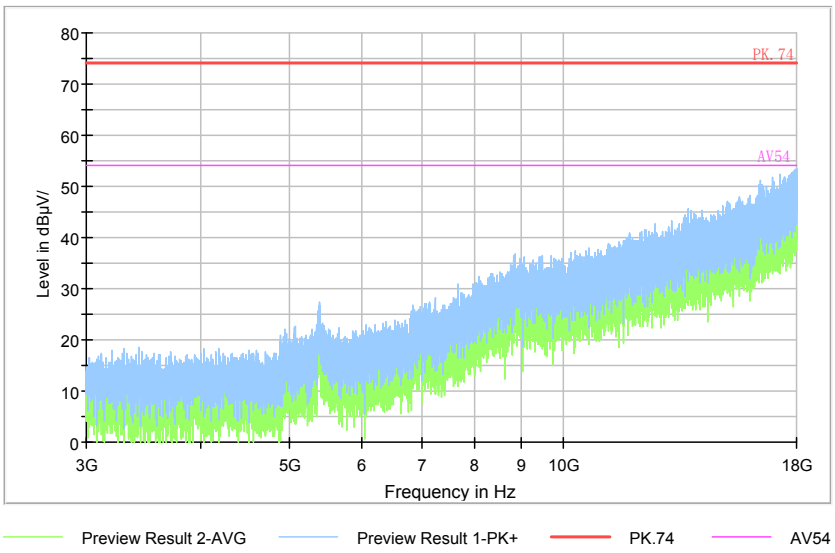


Preview Result 2-AVG Preview Result 1-PK+ PK.74 AV54

Comment

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

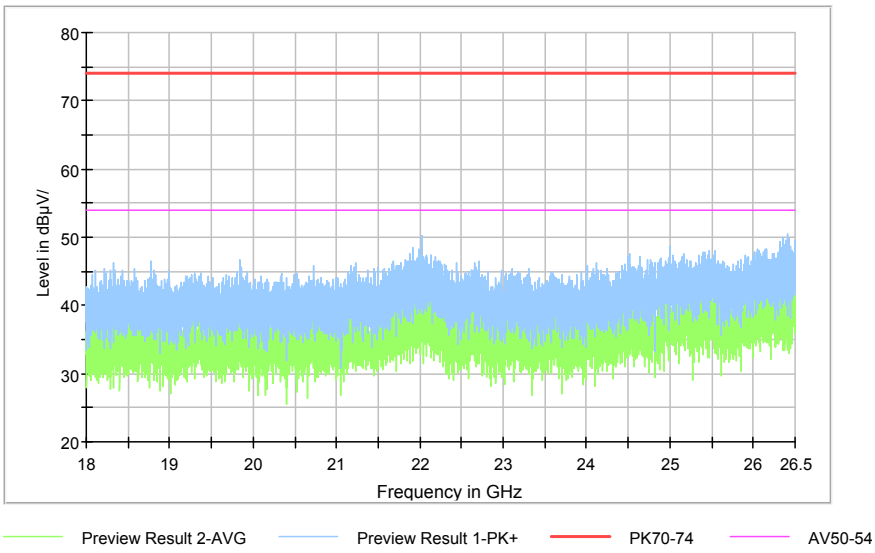
Full Spectrum



Comment

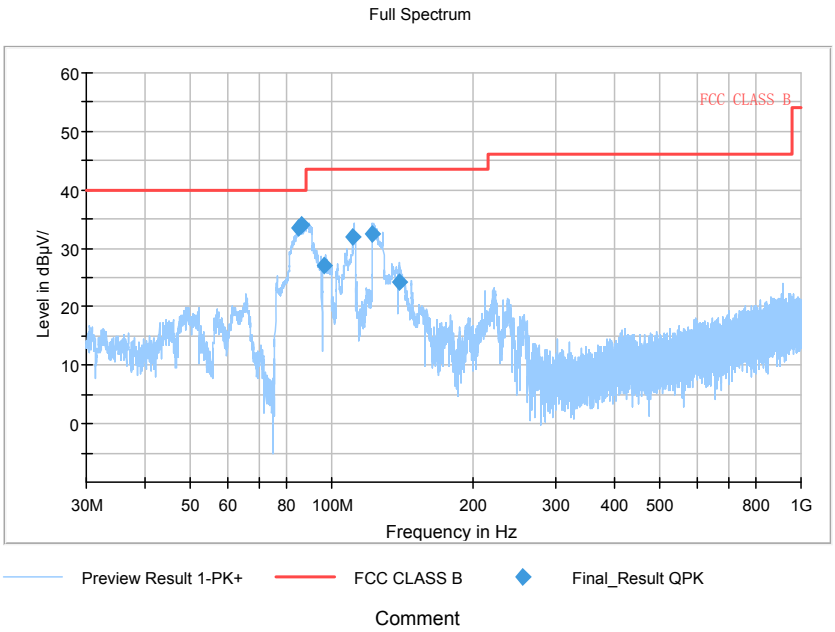
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum

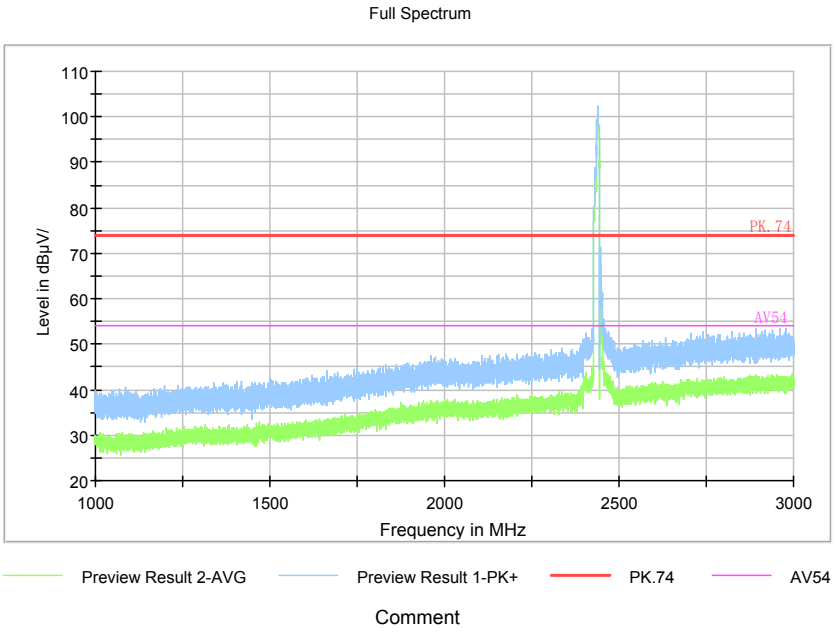


Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

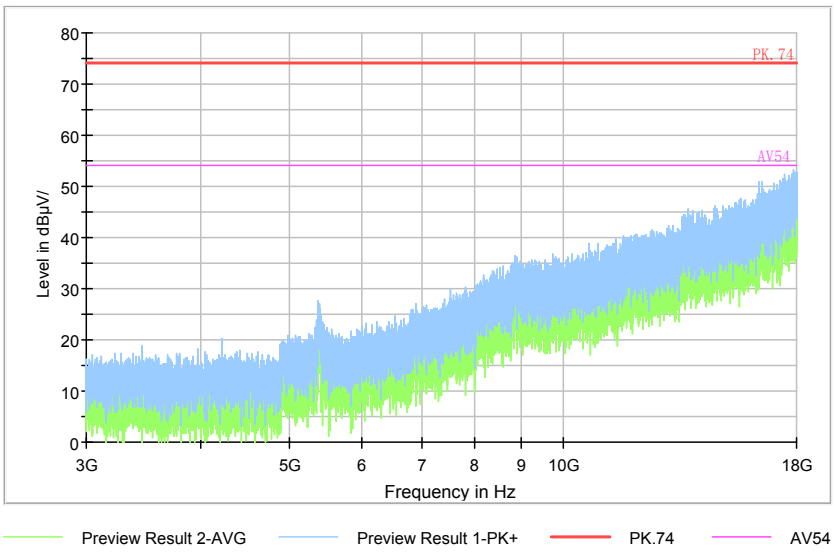


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20 MIMO)



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

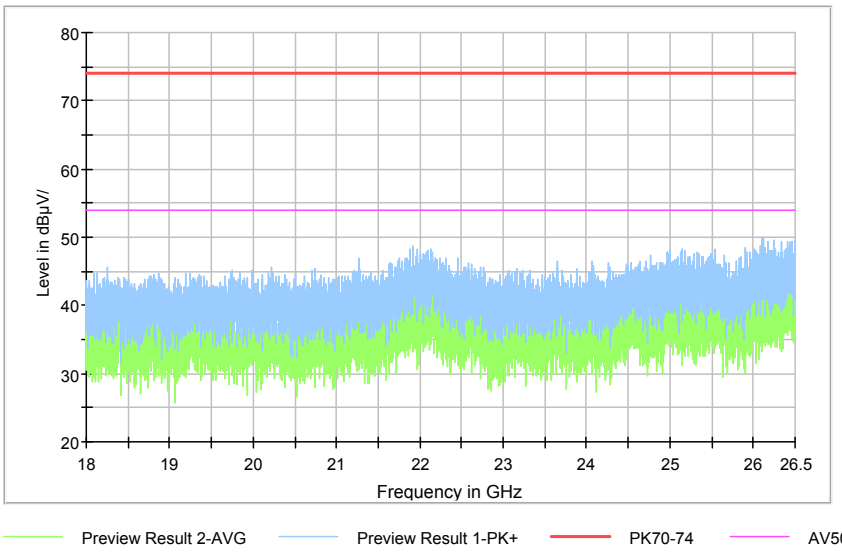
Full Spectrum



Comment

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

Full Spectrum

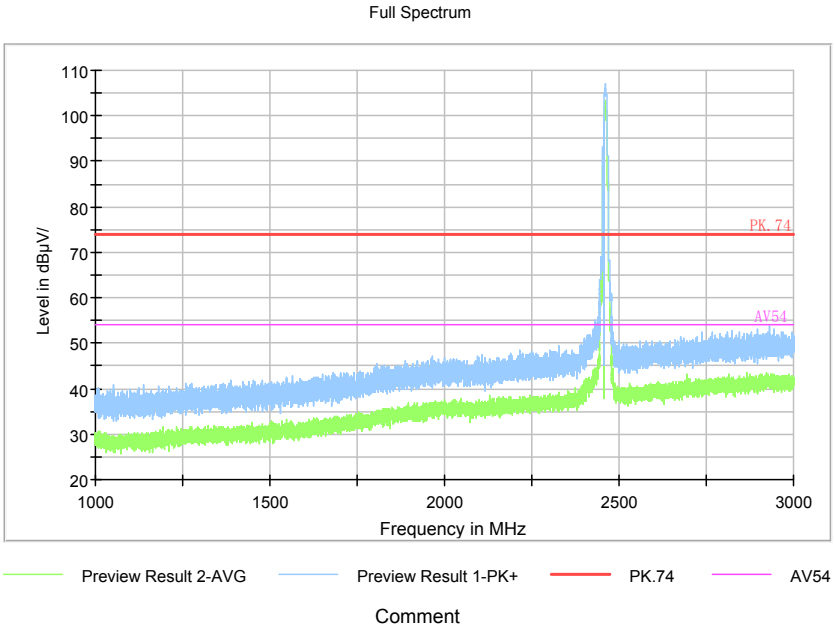


Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

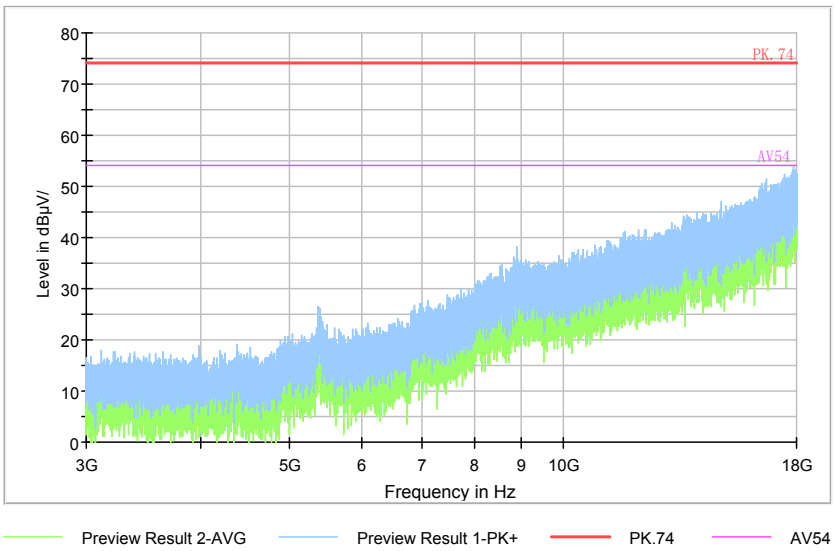
Carrier frequency (MHz): 2462
Channel No.:11

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



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

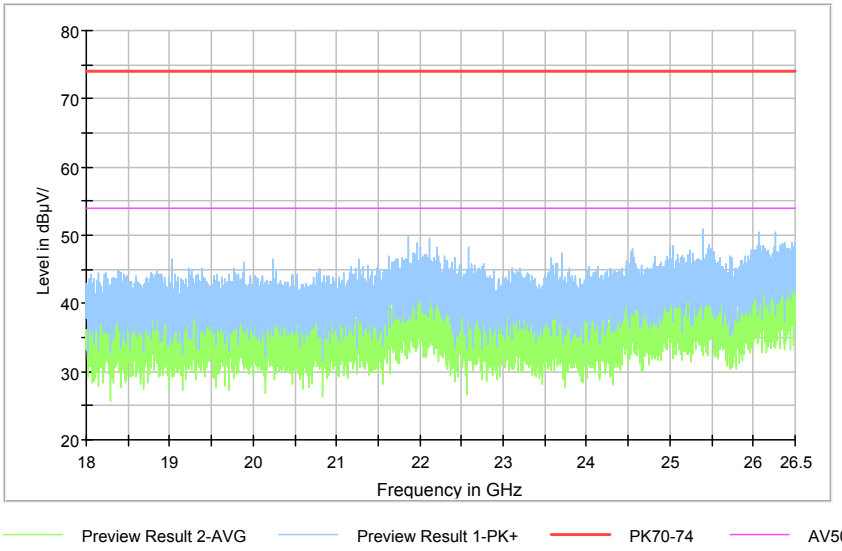
Full Spectrum



Comment

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

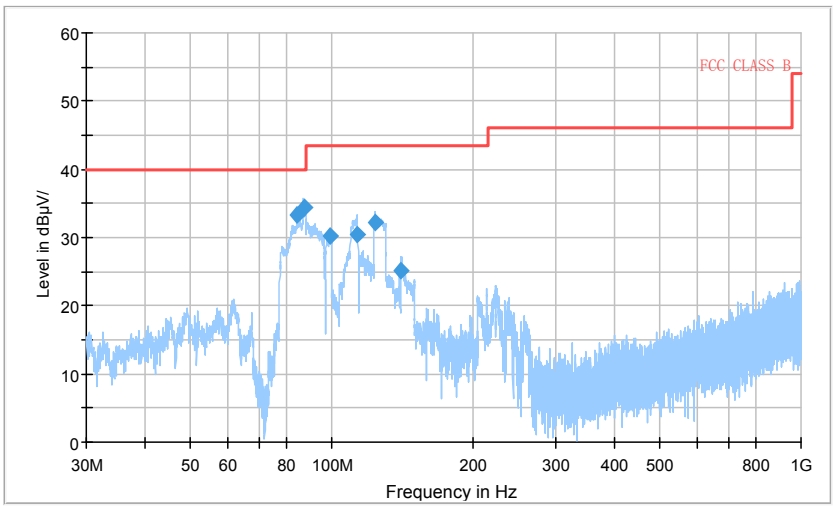
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum

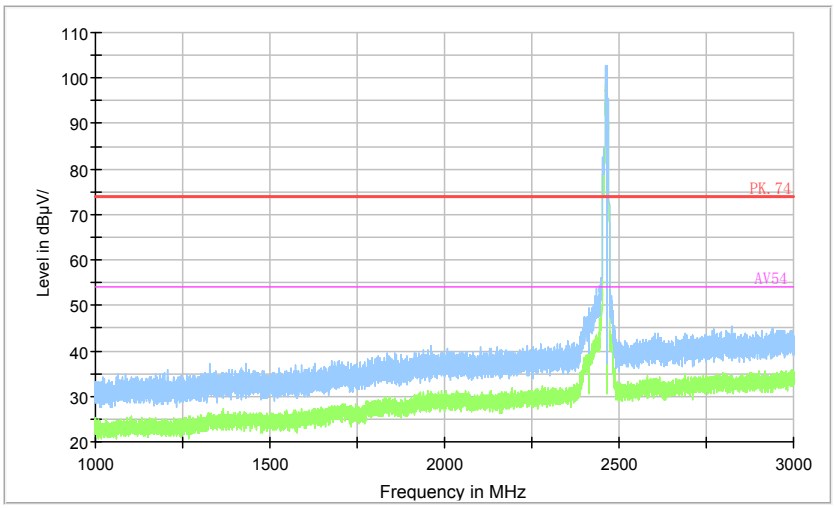


Preview Result 1-PK+ FCC CLASS B Final_Result QPK

Comment

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

Full Spectrum

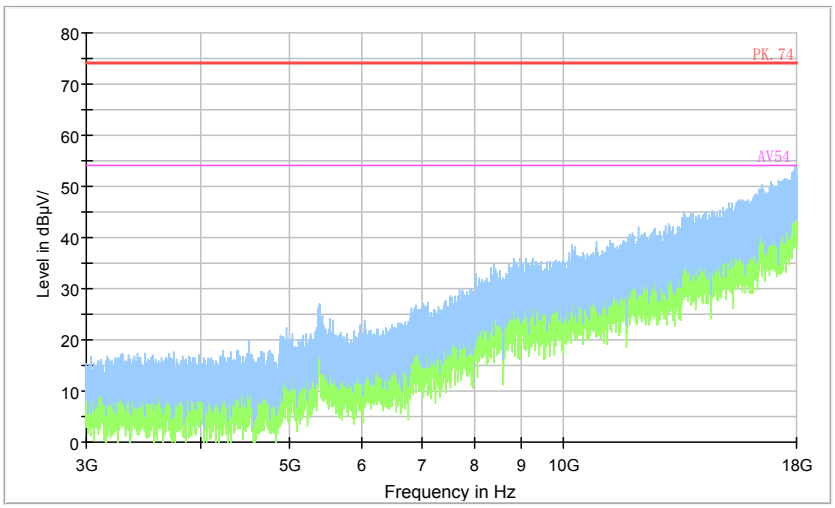


Preview Result 2-AVG Preview Result 1-PK+ PK.74 AV54

Comment

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

Full Spectrum

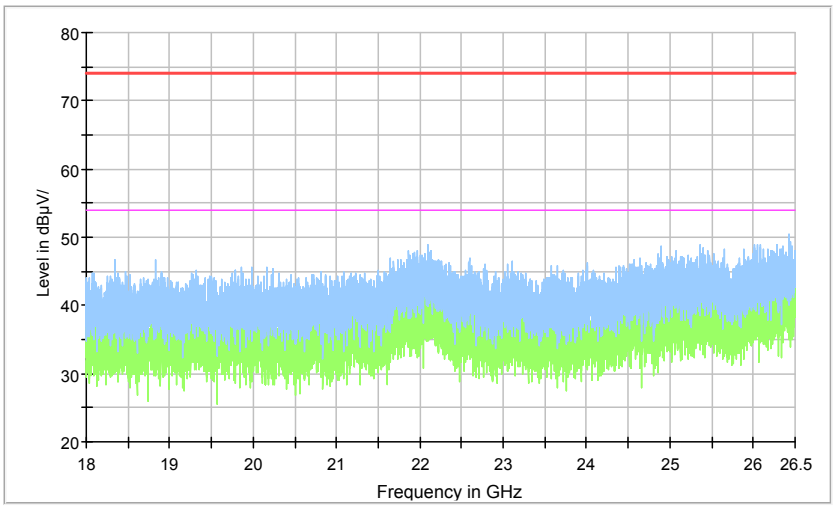


Preview Result 2-AVG Preview Result 1-PK+ PK.74 AV54

Comment

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

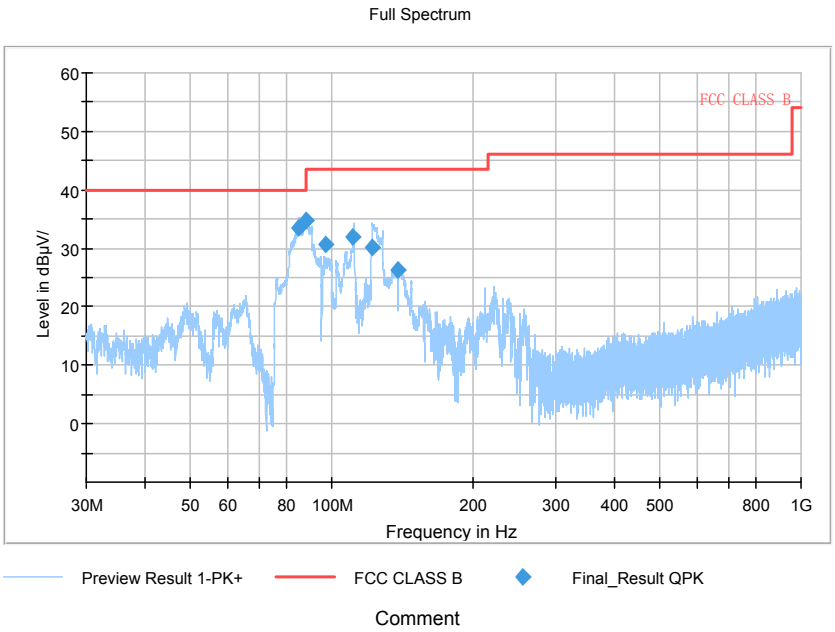
Full Spectrum



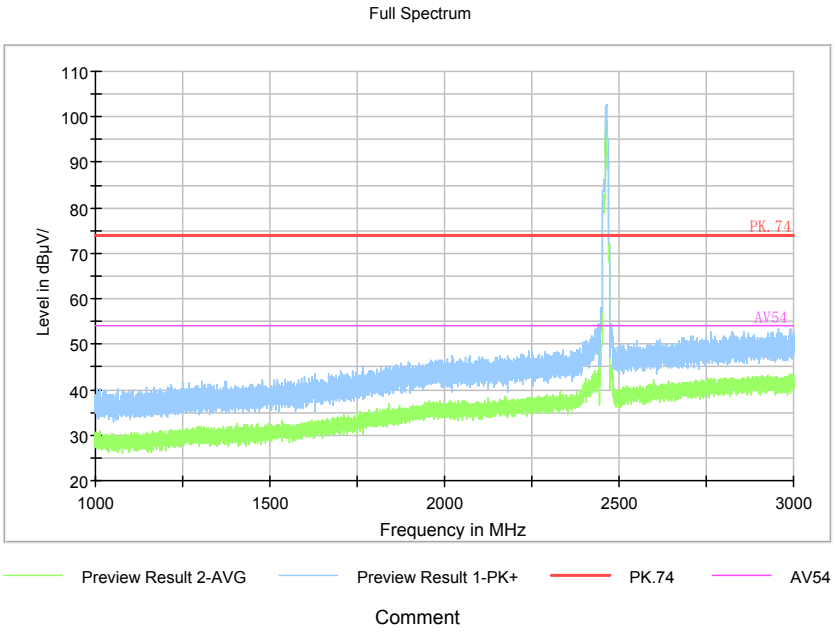
Preview Result 2-AVG Preview Result 1-PK+ PK70-74 AV50-54

Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

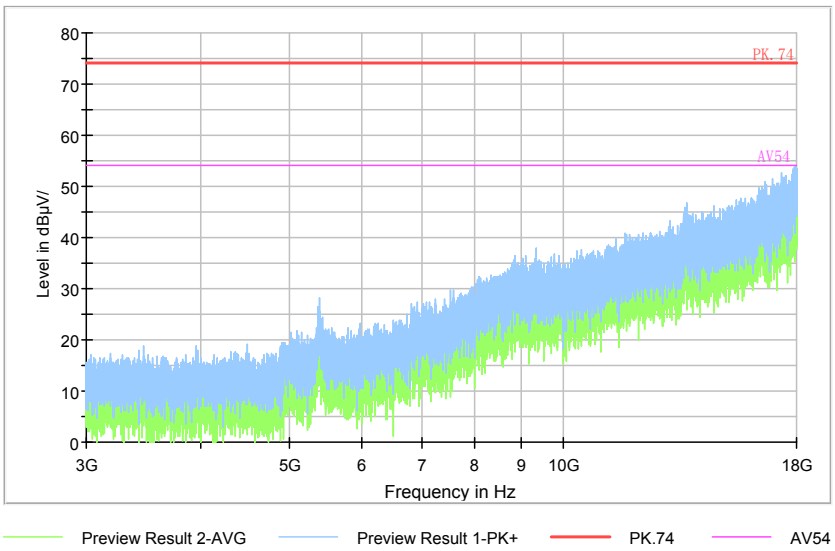


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20 MIMO)



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

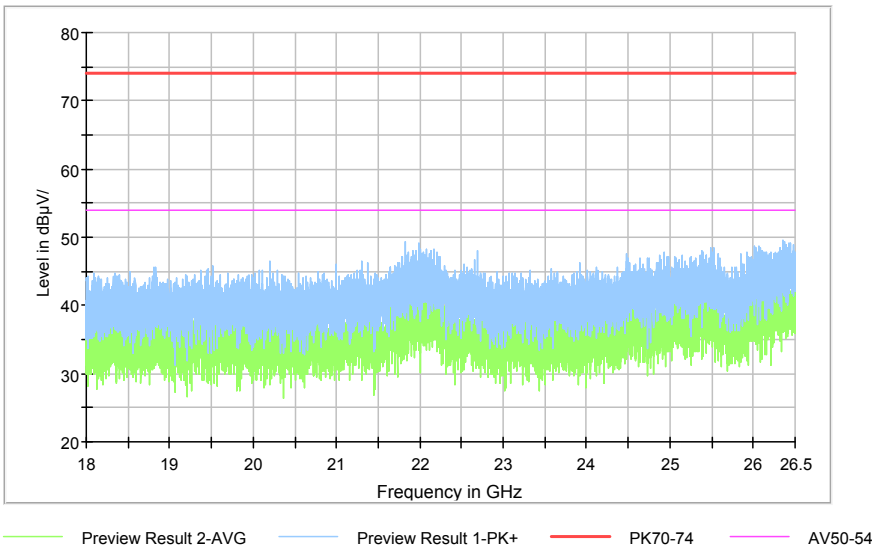
Full Spectrum



Comment

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

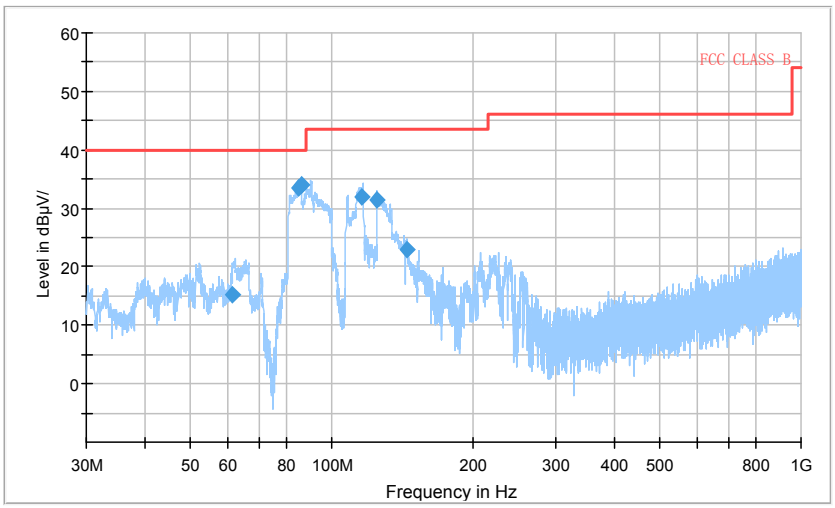
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20 MIMO)

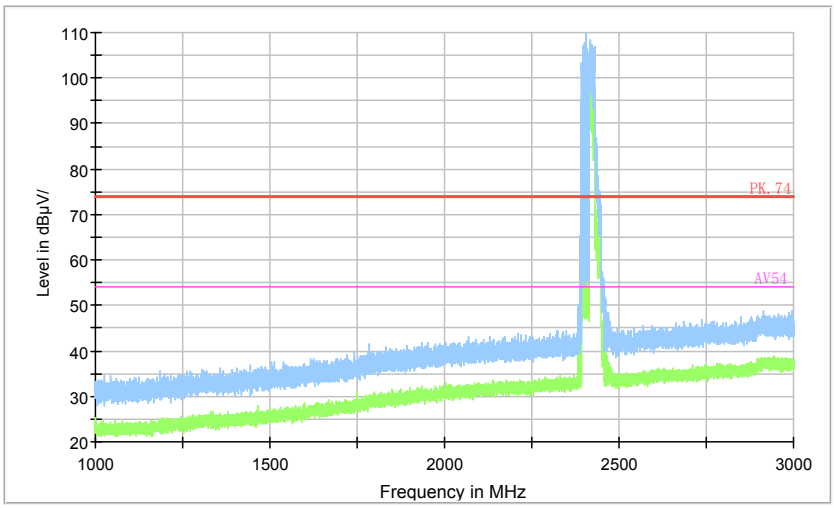
Full Spectrum



Comment

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40 MIMO) channel 3

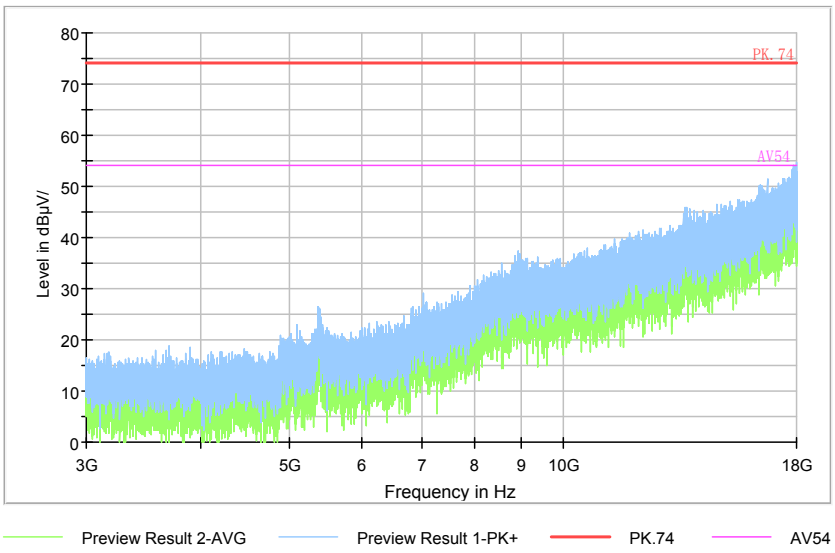
Full Spectrum



Comment

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

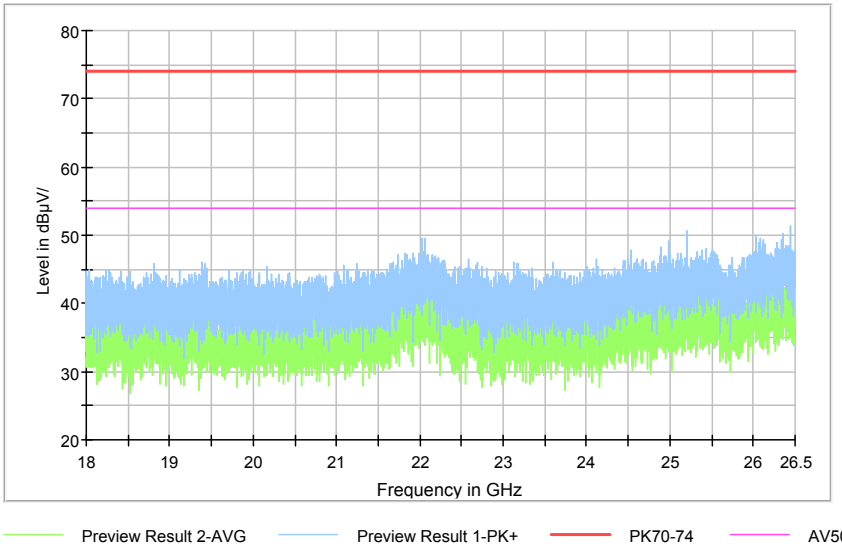
Full Spectrum



Comment

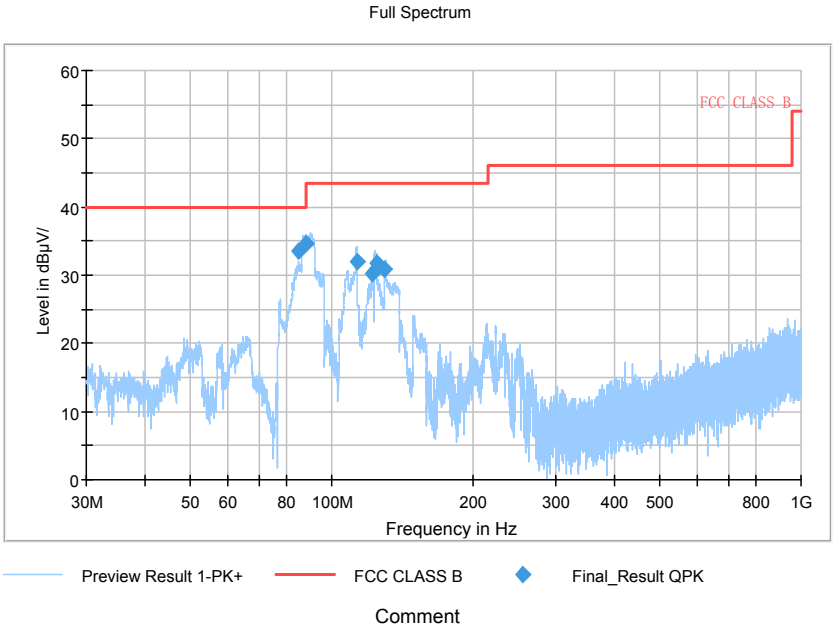
Frequency Range: 3GHz -18GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 3

Full Spectrum

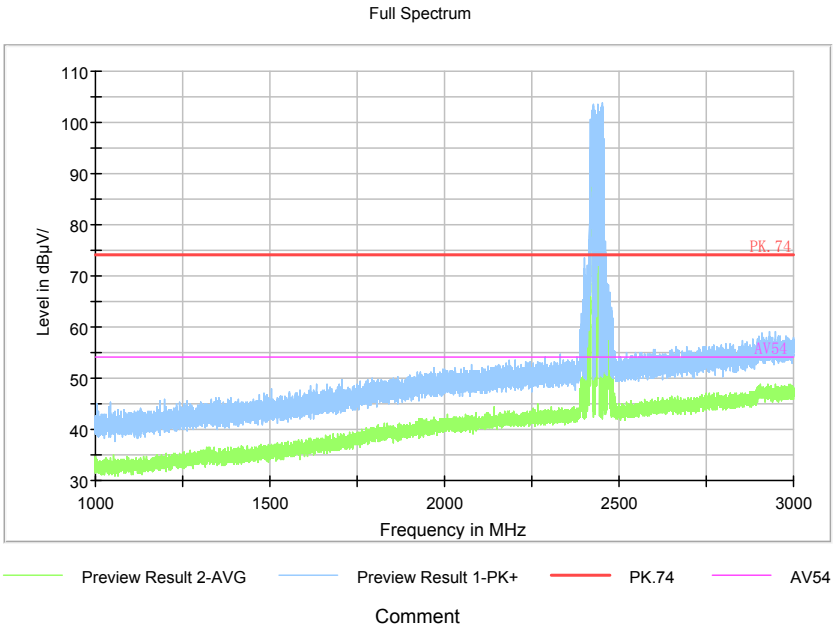


Comment

Frequency Range: 18GHz -26.5GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 3

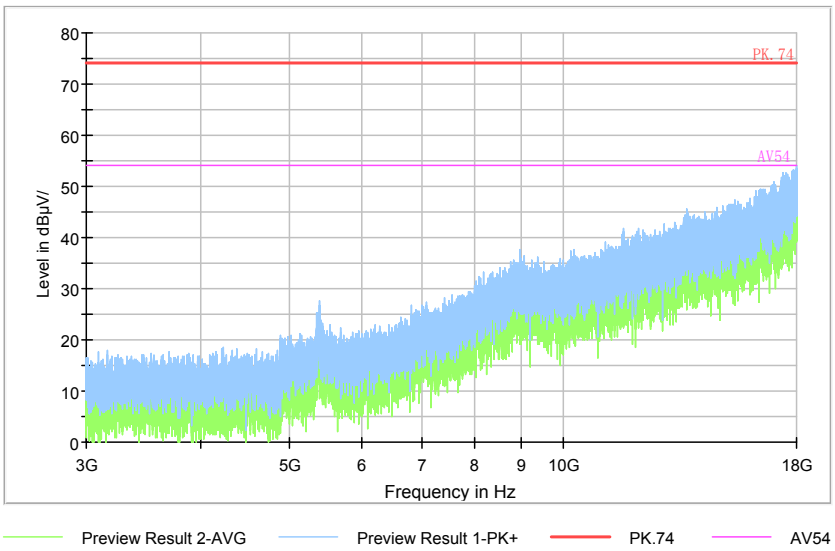


Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40 MIMO) channel 6



Frequency Range: 1GHz -3GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 6

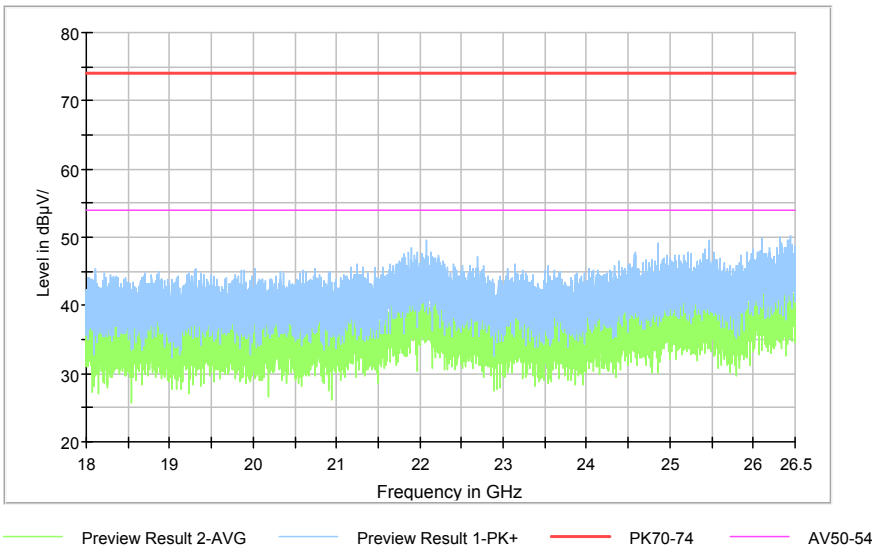
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 6

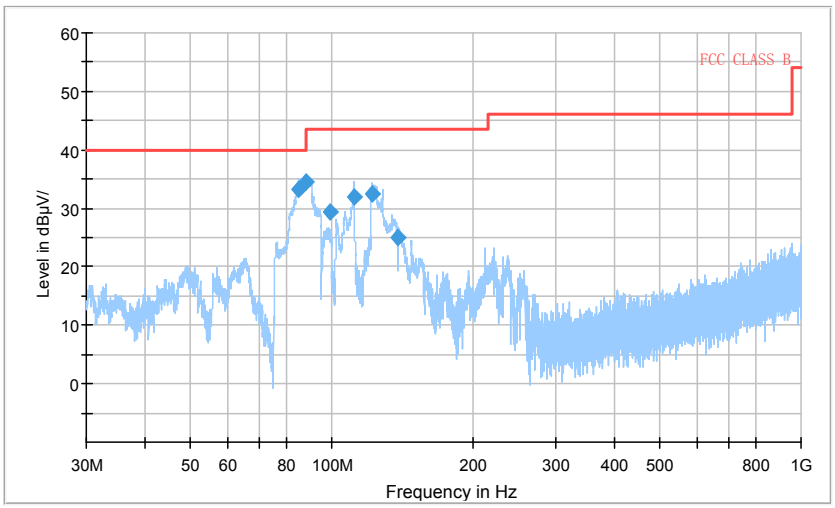
Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 6

Full Spectrum

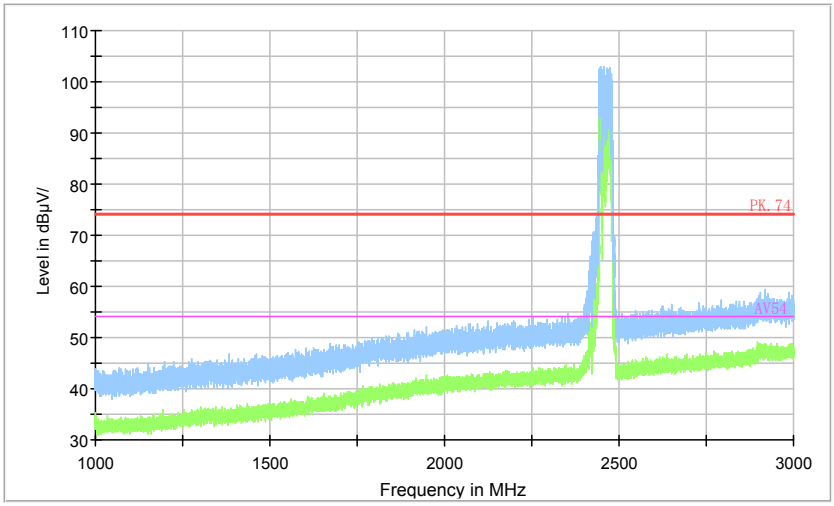


Preview Result 1-PK+ FCC CLASS B Final_Result QPK

Comment

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40 MIMO) channel 9

Full Spectrum

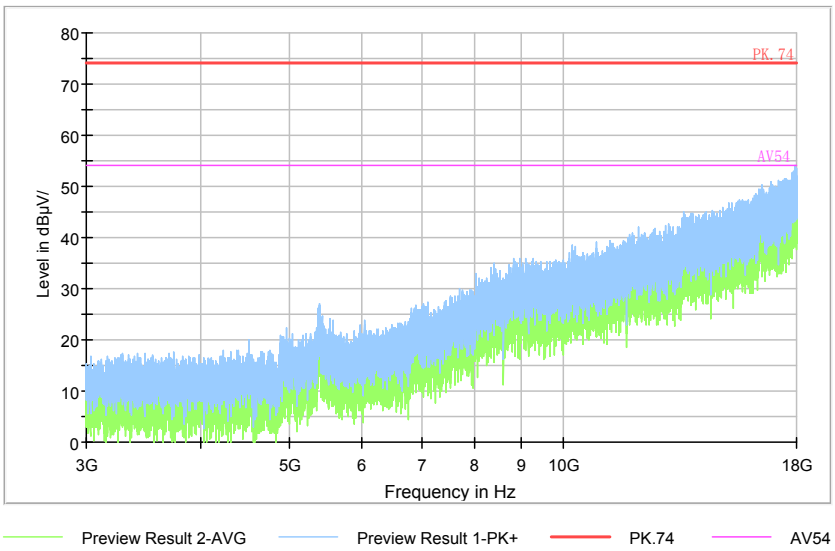


Preview Result 2-AVG Preview Result 1-PK+ PK.74 AV54

Comment

Frequency Range: 1GHz -3GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 9

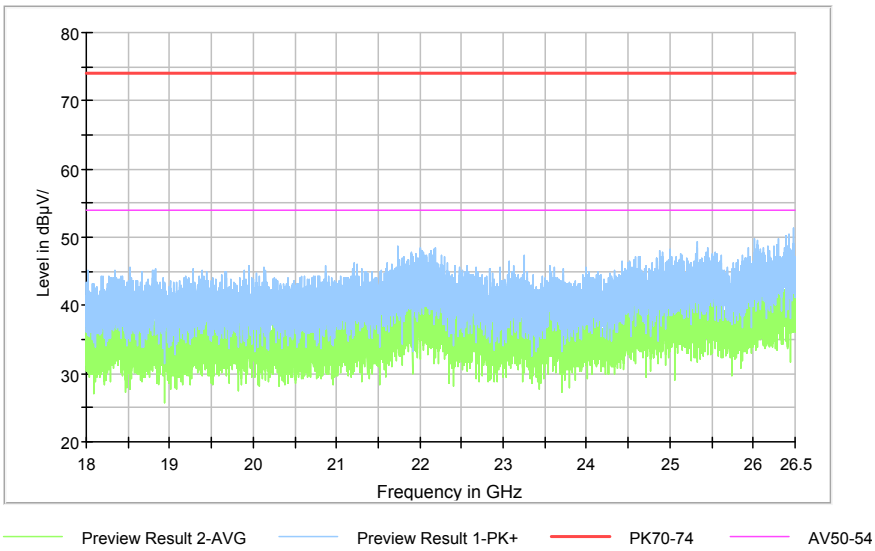
Full Spectrum



Comment

Frequency Range: 3GHz -18GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 9

Full Spectrum



Comment

Frequency Range: 18GHz -26.5GHz
Detector: AV mode and PK mode
Modulation type: 802.11n(HT40 MIMO) channel 9

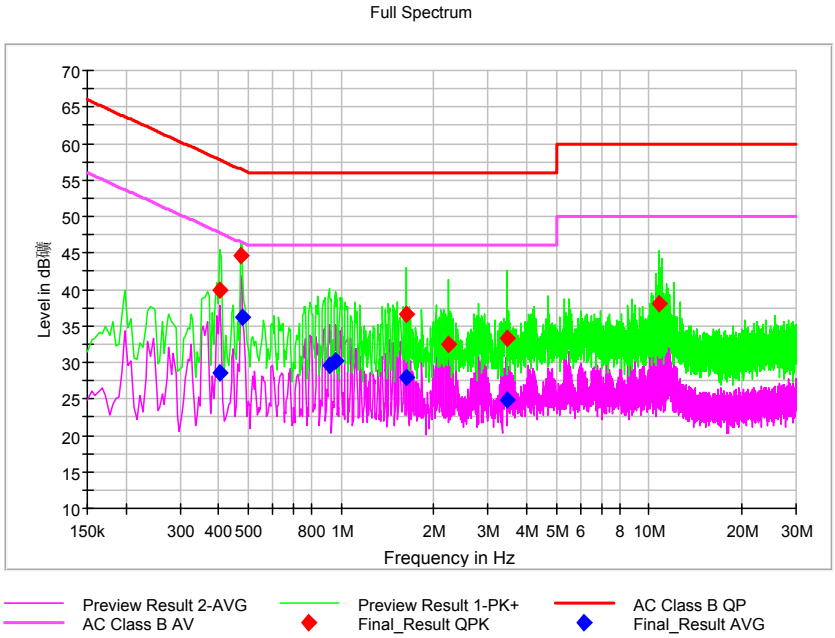
AC Power line Conducted Emission (EUT TX on (11b) + charging)

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

The measurement results are obtained as described below:

$P_{result}=P_{mea}$+ Corr.(dB)

Sample calculation: (39.80 dBμV) = (9.8 dBμV) + (30.0 dB), the corresponding frequency is 0.403273MHz.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBμV)	Pmea Average (dBμV)
0.403273	39.80	---	57.79	17.99	L	30.0	9.8	---
0.403273	---	28.59	47.79	19.20	L	30.0	---	-1.41
0.471114	44.70	---	56.49	11.79	L	30.0	14.7	---
0.475636	---	36.24	46.42	10.18	L	30.0	---	6.24
0.914341	---	29.59	46.00	16.41	L	29.9	---	-0.31
0.964091	---	30.24	46.00	15.76	L	29.9	---	0.34
1.628932	---	28.04	46.00	17.96	L	29.9	---	-1.86
1.628932	36.64	---	56.00	19.36	N	29.9	6.74	---
2.234977	32.38	---	56.00	23.62	L	29.9	2.48	---
3.460636	---	24.93	46.00	21.07	L	29.9	---	-4.97
3.460636	33.30	---	56.00	22.70	L	29.9	3.4	---
10.801023	38.14	---	60.00	21.86	L	29.9	8.24	---

---End of Test Report---