APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The measurement results are obtained as described below:
Measure Level = Reading Level + cable loss + antenna factor
Sample calculation: (95.91 dBuV/m) = (48.11 dBμV) + (12.4 dB) + (35.40 1/m), the corresponding frequency is 5180MHz.
The measurement results contain the correction factor of the duty cycle.

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11a
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 (1/m)
1	5180	95.91	48.11	N/A	N/A	12.40	35.40
2	5150	49.46	1.66	-18.74	68.20	12.40	35.40

Carrier frequency (MHz): 5180
Channel No.:36
Test Mode: 802.11a
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 (1/m)
1	5180	93.53	45.73	N/A	N/A	12.40	35.40
2	5150	47.59	-0.21	-20.61	68.20	12.40	35.40

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11a
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 (1/m)
1	5180	90.67	42.87	N/A	N/A	12.40	35.40
2	5150	40.22	-7.58	-13.78	54.00	12.40	35.40

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11a
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 (1/m)
1	5180	87.39	39.59	N/A	N/A	12.40	35.40
2	5150	39.42	-8.38	-14.58	54.00	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
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 (1/m)
1	5240	94.87	47.07	N/A	N/A	12.40	35.40
2	5250	50.68	2.88	-17.52	68.20	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
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 (1/m)
1	5240	92.00	44.20	N/A	N/A	12.40	35.40
2	5250	50.21	2.41	-17.99	68.20	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
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 (1/m)
1	5240	90.87	43.07	N/A	N/A	12.40	35.40
2	5250	40.36	-7.44	-13.64	54.00	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
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 (1/m)
1	5240	87.83	40.03	N/A	N/A	12.40	35.40
2	5250	39.20	-8.60	-14.80	54.00	12.40	35.40

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11n（HT20）
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 (1/m)
1	5180	95.83	48.03	N/A	N/A	12.40	35.40
2	5150	50.87	3.07	-17.33	68.20	12.40	35.40

Carrier frequency (MHz): 5180
Channel No.:36
Test Mode: 802.11n（HT20）
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 (1/m)
1	5180	91.33	43.53	N/A	N/A	12.40	35.40
2	5150	49.92	2.12	-18.28	68.20	12.40	35.40

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11n（HT20）
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 (1/m)
1	5180	91.00	43.20	N/A	N/A	12.40	35.40
2	5150	40.76	-7.04	-13.24	54.00	12.40	35.40

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11n（HT20）
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 (1/m)
1	5180	86.51	38.71	N/A	N/A	12.40	35.40
2	5150	38.99	-8.81	-15.01	54.00	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n（HT20）
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 (1/m)
1	5240	94.70	46.90	N/A	N/A	12.40	35.40
2	5250	50.70	2.90	-17.50	68.20	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n（HT20）
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 (1/m)
1	5240	90.44	42.64	N/A	N/A	12.40	35.40
2	5250	50.32	2.52	-17.88	68.20	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n（HT20）
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 (1/m)
1	5240	91.05	43.25	N/A	N/A	12.40	35.40
2	5250	40.76	-7.04	-13.24	54.00	12.40	35.40

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n（HT20）
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 (1/m)
1	5240	88.43	40.63	N/A	N/A	12.40	35.40
2	5250	40.52	-7.28	-13.48	54.00	12.40	35.40

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n（HT40）
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 (1/m)
1	5190	91.36	43.56	N/A	N/A	12.40	35.40
2	5150	49.44	1.64	-18.76	68.20	12.40	35.40

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n（HT40）
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 (1/m)
1	5190	87.25	39.45	N/A	N/A	12.40	35.40
2	5150	48.52	0.72	-19.68	68.20	12.40	35.40

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n（HT40）
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 (1/m)
1	5190	87.69	39.89	N/A	N/A	12.40	35.40
2	5150	40.33	-7.47	-13.67	54.00	12.40	35.40

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n（HT40）
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 (1/m)
1	5190	85.05	37.25	N/A	N/A	12.40	35.40
2	5150	39.46	-8.34	-14.54	54.00	12.40	35.40

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n（HT40）
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 (1/m)
1	5230	92.25	44.45	N/A	N/A	12.40	35.40
2	5250	50.04	2.24	-18.16	68.20	12.40	35.40

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n（HT40）
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 (1/m)
1	5230	89.37	41.57	N/A	N/A	12.40	35.40
2	5250	48.79	0.99	-19.41	68.20	12.40	35.40

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n（HT40）
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 (1/m)
1	5230	88.80	41.00	N/A	N/A	12.40	35.40
2	5250	41.00	-6.80	-13.00	54.00	12.40	35.40

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n（HT40）
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 (1/m)
1	5230	85.77	37.97	N/A	N/A	12.40	35.40
2	5250	39.22	-8.58	-14.78	54.00	12.40	35.40

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
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 (1/m)
1	5745	92.87	45.27	N/A	N/A	12.90	34.70
2	5725	52.15	4.55	-16.05	68.20	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
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 (1/m)
1	5745	89.53	41.93	N/A	N/A	12.90	34.70
2	5725	50.29	2.69	-17.91	68.20	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
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 (1/m)
1	5745	88.28	40.68	N/A	N/A	12.90	34.70
2	5725	41.67	-5.93	-12.33	54.00	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
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 (1/m)
1	5745	84.99	37.39	N/A	N/A	12.90	34.70
2	5725	39.83	-7.77	-14.17	54.00	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
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 (1/m)
1	5825	92.81	45.21	N/A	N/A	12.90	34.70
2	5850	52.52	4.92	-15.68	68.20	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
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 (1/m)
1	5825	89.35	41.75	N/A	N/A	12.90	34.70
2	5850	52.04	4.44	-16.16	68.20	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
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 (1/m)
1	5825	88.37	40.77	N/A	N/A	12.90	34.70
2	5850	40.77	-6.83	-13.23	54.00	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
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 (1/m)
1	5825	84.07	36.47	N/A	N/A	12.90	34.70
2	5850	39.61	-7.99	-14.39	54.00	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
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 (1/m)
1	5745	92.26	44.66	N/A	N/A	12.90	34.70
2	5725	51.67	4.07	-16.53	68.20	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
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 (1/m)
1	5745	88.72	41.12	N/A	N/A	12.90	34.70
2	5725	50.92	3.32	-17.28	68.20	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
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 (1/m)
1	5745	88.04	40.44	N/A	N/A	12.90	34.70
2	5725	40.31	-7.29	-13.69	54.00	12.90	34.70

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
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 (1/m)
1	5745	85.06	37.46	N/A	N/A	12.90	34.70
2	5725	40.17	-7.43	-13.83	54.00	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
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 (1/m)
1	5825	92.11	44.51	N/A	N/A	12.90	34.70
2	5850	51.38	3.78	-16.82	68.20	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
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 (1/m)
1	5825	88.56	40.96	N/A	N/A	12.90	34.70
2	5850	49.74	2.14	-18.46	68.20	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
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 (1/m)
1	5825	88.28	40.68	N/A	N/A	12.90	34.70
2	5850	41.30	-6.30	-12.70	54.00	12.90	34.70

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
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 (1/m)
1	5825	85.15	37.55	N/A	N/A	12.90	34.70
2	5850	40.17	-7.43	-13.83	54.00	12.90	34.70

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
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 (1/m)
1	5755	88.59	40.99	N/A	N/A	12.90	34.70
2	5725	52.49	4.89	-15.71	68.20	12.90	34.70

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
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 (1/m)
1	5755	85.77	38.17	N/A	N/A	12.90	34.70
2	5725	51.08	3.48	-17.12	68.20	12.90	34.70

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
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 (1/m)
1	5755	85.63	38.03	N/A	N/A	12.90	34.70
2	5725	40.95	-6.65	-13.05	54.00	12.90	34.70

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
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 (1/m)
1	5755	82.75	35.15	N/A	N/A	12.90	34.70
2	5725	39.40	-8.20	-14.60	54.00	12.90	34.70

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
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 (1/m)
1	5795	88.69	41.09	N/A	N/A	12.90	34.70
2	5850	51.07	3.47	-17.13	68.20	12.90	34.70

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Peak

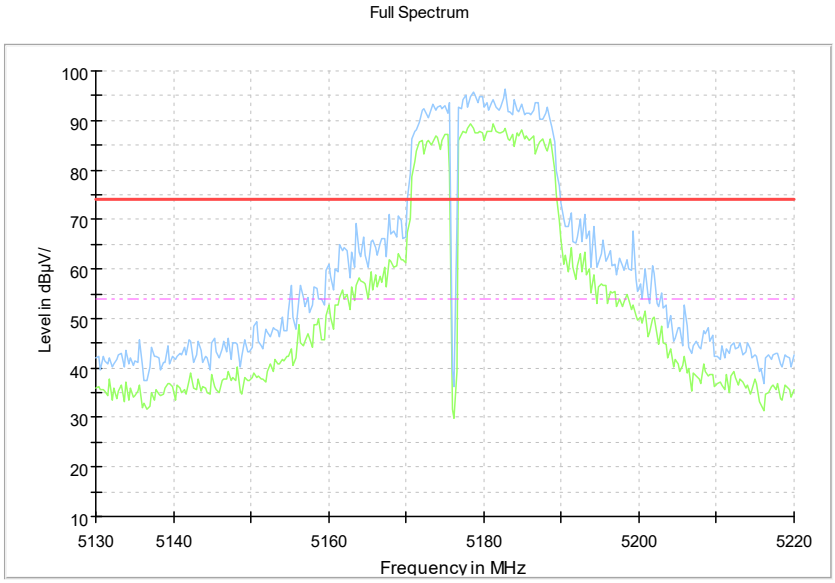
No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (1/m)
1	5795	85.50	37.90	N/A	N/A	12.90	34.70
2	5850	49.75	2.15	-18.45	68.20	12.90	34.70

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
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 (1/m)
1	5795	85.75	38.15	N/A	N/A	12.90	34.70
2	5850	40.96	-6.64	-13.04	54.00	12.90	34.70

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
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 (1/m)
1	5795	83.65	36.05	N/A	N/A	12.90	34.70
2	5850	40.44	-7.16	-13.56	54.00	12.90	34.70



Radiated Emission Band Edge for 5180MHz

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: (27.83 dBμV/m) = (47.43 dBμV/m) + (-19.6 dB), the corresponding frequency is 36.111000MHz.
Chain0 is selected as the worst case for the test.
The worst case attitude: The mobile lay down.

For 802.11a Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
36.111000	27.83	-19.6	47.43	Vertical	40.00
72.437500	22.44	-22.7	45.14	Vertical	40.00
138.106500	24.57	-22.7	47.27	Vertical	43.50
191.311000	16.46	-19.6	36.06	Vertical	43.50
541.093000	13.52	-9.9	23.42	Vertical	46.00
948.929500	15.79	-2.7	18.49	Vertical	46.00

For 802.11n(HT20) Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.723000	28.14	-19.7	47.84	Vertical	40.00
72.534500	22.48	-22.7	45.18	Vertical	40.00
137.185000	24.60	-22.7	47.30	Vertical	43.50
193.251000	16.54	-19.5	36.04	Vertical	43.50
539.444000	13.45	-9.9	23.35	Vertical	46.00
940.733000	15.78	-2.8	18.58	Vertical	46.00

For 802.11a Channel No.:40

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.529000	28.71	-19.8	48.51	Vertical	40.00
72.680000	22.48	-22.7	45.18	Vertical	40.00
136.991000	24.64	-22.7	47.34	Vertical	43.50
188.352500	15.71	-19.8	35.51	Vertical	43.50
540.705000	13.51	-9.9	23.41	Vertical	46.00
959.551000	15.86	-2.6	18.46	Vertical	46.00

For 802.11n(HT20) Channel No.:40

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.480500	28.45	-19.8	48.25	Vertical	40.00
72.631500	22.54	-22.7	45.24	Vertical	40.00
137.961000	24.75	-22.7	47.45	Vertical	43.50
190.001500	16.42	-19.6	36.02	Vertical	43.50
542.014500	13.70	-9.9	23.60	Vertical	46.00
949.026500	15.83	-2.7	18.53	Vertical	46.00

For 802.11a Channel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.480500	28.74	-19.8	48.54	Vertical	40.00
72.777000	22.37	-22.8	45.17	Vertical	40.00
137.185000	24.70	-22.7	47.40	Vertical	43.50
193.299500	16.62	-19.5	36.12	Vertical	43.50
547.398000	13.37	-9.8	23.17	Vertical	46.00
935.640500	15.69	-2.8	18.49	Vertical	46.00

For 802.11n(HT20) Channel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.432000	28.52	-19.8	48.32	Vertical	40.00
72.534500	22.45	-22.7	45.15	Vertical	40.00
138.203500	24.79	-22.7	47.49	Vertical	43.50
191.941500	16.74	-19.5	36.24	Vertical	43.50
544.488000	13.61	-9.8	23.41	Vertical	46.00
941.218000	15.78	-2.8	18.58	Vertical	46.00

For 802.11n(HT40) Channel No.:38

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.480500	28.66	-19.8	48.46	Vertical	40.00
72.728500	22.49	-22.7	45.19	Vertical	40.00
137.718500	24.88	-22.7	47.58	Vertical	43.50
192.232500	16.66	-19.5	36.16	Vertical	43.50
547.980000	13.38	-9.8	23.18	Vertical	46.00
938.453500	15.68	-2.8	18.48	Vertical	46.00

For 802.11n(HT40) Channel No.:46

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.723000	28.83	-19.7	48.53	Vertical	40.00
72.001000	21.97	-22.6	44.57	Vertical	40.00
137.039500	24.69	-22.7	47.39	Vertical	43.50
193.202500	16.62	-19.5	36.12	Vertical	43.50
542.499500	13.79	-9.9	23.69	Vertical	46.00
923.321500	15.68	-3.0	18.68	Vertical	46.00

For 802.11a Channel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.189500	27.86	-19.9	47.76	Vertical	40.00
72.389000	21.94	-22.7	44.64	Vertical	40.00
138.203500	25.00	-22.7	47.70	Vertical	43.50
192.717500	16.21	-19.5	35.71	Vertical	43.50
528.580000	12.69	-10.2	22.89	Vertical	46.00
914.106500	15.68	-3.1	18.78	Vertical	46.00

For 802.11n(HT20) Channel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.868500	28.37	-19.7	48.07	Vertical	40.00
72.243500	21.84	-22.6	44.44	Vertical	40.00
137.864000	25.22	-22.7	47.92	Vertical	43.50
190.486500	15.90	-19.6	35.50	Vertical	43.50
542.596500	13.77	-9.9	23.67	Vertical	46.00
885.831000	15.38	-3.5	18.88	Vertical	46.00

For 802.11a Channel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
36.062500	27.35	-19.6	46.95	Vertical	40.00
72.534500	21.98	-22.7	44.68	Vertical	40.00
137.864000	25.29	-22.7	47.99	Vertical	43.50
193.493500	16.51	-19.5	36.01	Vertical	43.50
549.435000	13.25	-9.7	22.95	Vertical	46.00
929.335500	15.70	-2.9	18.60	Vertical	46.00

For 802.11n(HT20) Channel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.723000	28.07	-19.7	47.77	Vertical	40.00
72.292000	21.78	-22.6	44.38	Vertical	40.00
137.573000	25.31	-22.7	48.01	Vertical	43.50
193.008500	16.39	-19.5	35.89	Vertical	43.50
555.546000	12.79	-9.5	22.29	Vertical	46.00
945.631500	15.75	-2.8	18.55	Vertical	46.00

For 802.11a Channel No.:165

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.917000	28.37	-19.7	48.07	Vertical	40.00
72.583000	21.95	-22.7	44.65	Vertical	40.00
137.961000	25.35	-22.7	48.05	Vertical	43.50
191.747500	16.24	-19.5	35.74	Vertical	43.50
532.508500	12.84	-10.1	22.94	Vertical	46.00
940.296500	15.81	-2.8	18.61	Vertical	46.00

For 802.11n(HT20) Channel No.:165

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.432000	28.69	-19.8	48.49	Vertical	40.00
72.583000	21.90	-22.7	44.60	Vertical	40.00
137.815500	25.37	-22.7	48.07	Vertical	43.50
194.269500	15.99	-19.4	35.39	Vertical	43.50
547.543500	13.23	-9.8	23.03	Vertical	46.00
938.696000	15.78	-2.8	18.58	Vertical	46.00

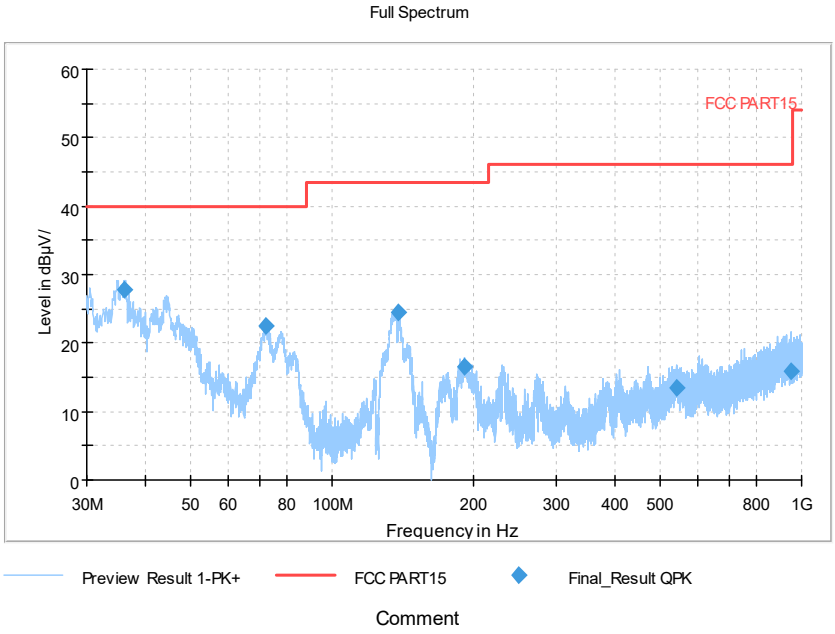
For 802.11n(HT40) Channel No.:151

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.917000	28.32	-19.7	48.02	Vertical	40.00
72.583000	21.89	-22.7	44.59	Vertical	40.00
137.670000	25.33	-22.7	48.03	Vertical	43.50
190.874500	16.00	-19.6	35.60	Vertical	43.50
540.850500	13.55	-9.9	23.45	Vertical	46.00
954.507000	15.89	-2.7	18.59	Vertical	46.00

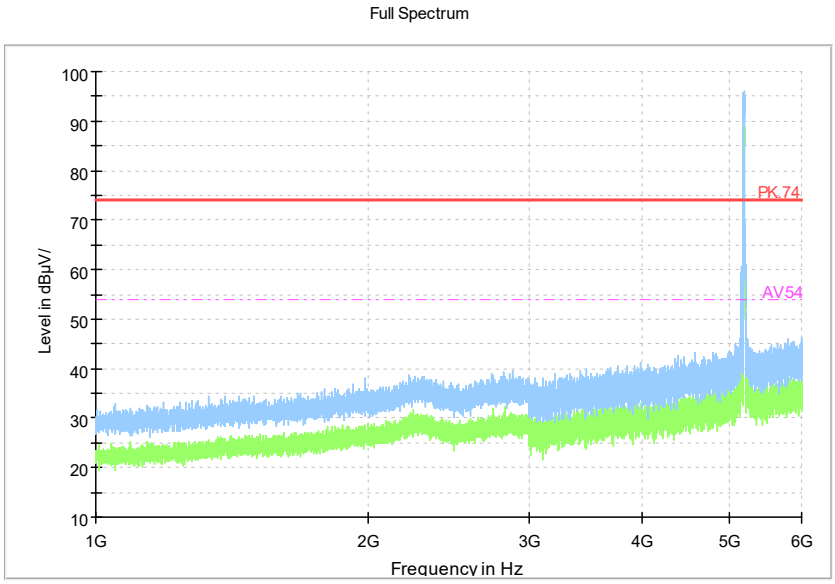
For 802.11n(HT40) Channel No.:159

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
35.577500	28.51	-19.8	48.31	Vertical	40.00
72.680000	21.90	-22.7	44.60	Vertical	40.00
138.300500	25.24	-22.7	47.94	Vertical	43.50
190.050000	15.35	-19.6	34.95	Vertical	43.50
534.109000	13.17	-10.1	23.27	Vertical	46.00
926.716500	15.73	-2.9	18.63	Vertical	46.00

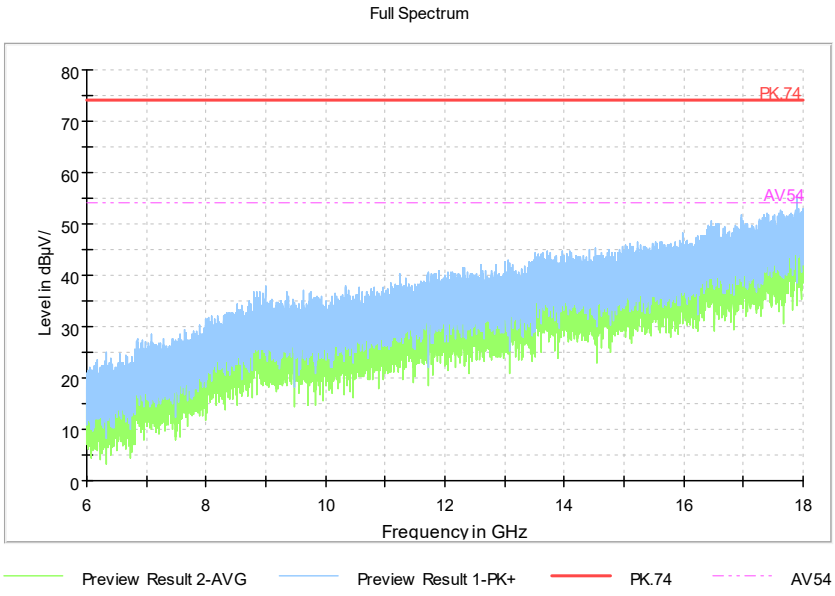
Carrier frequency (MHz): 5180
Channel No.:36



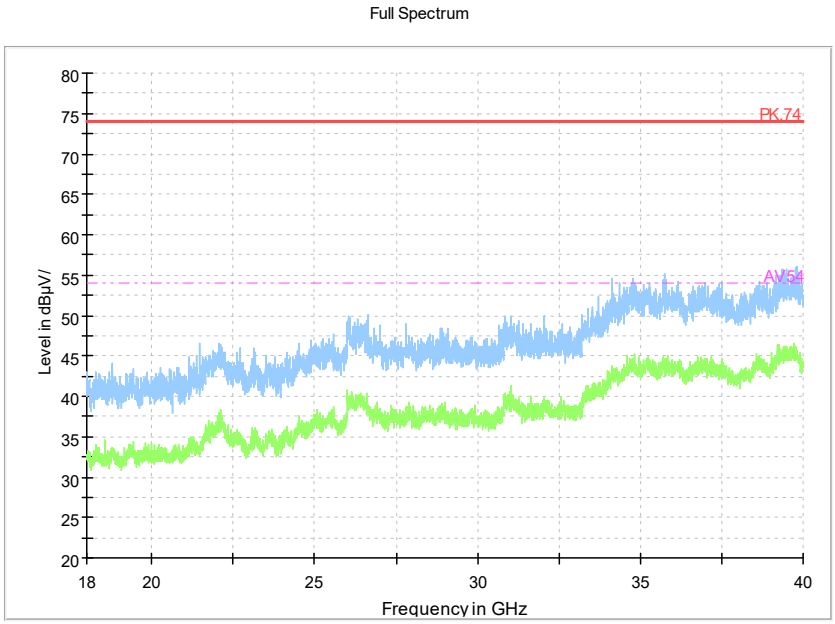
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



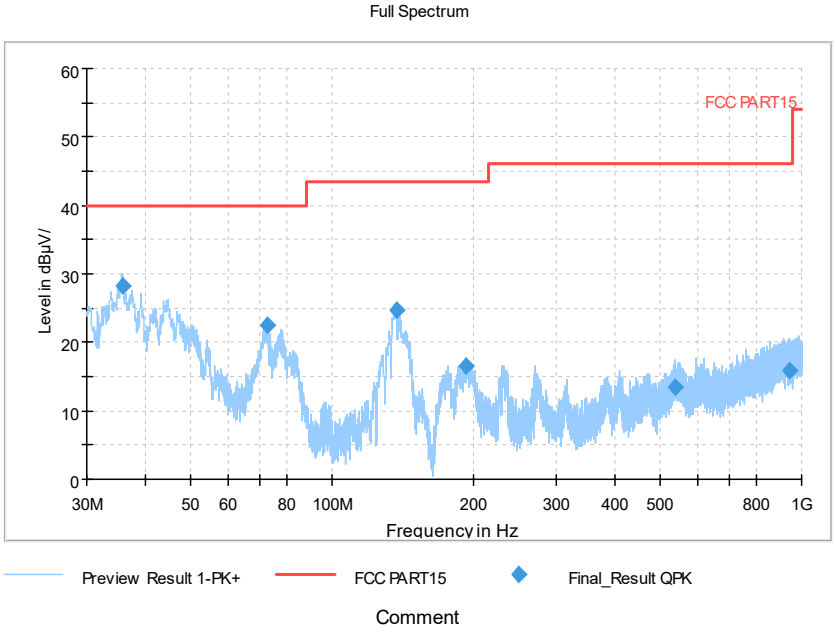
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



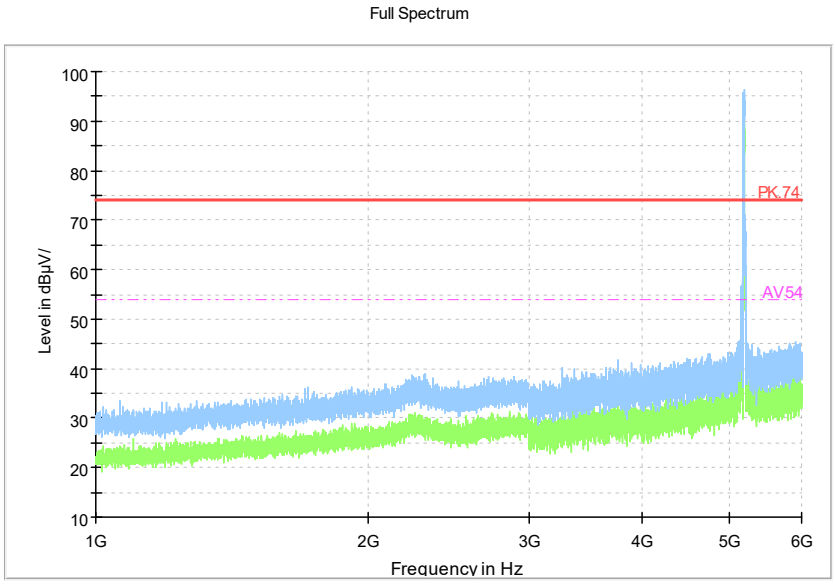
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



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

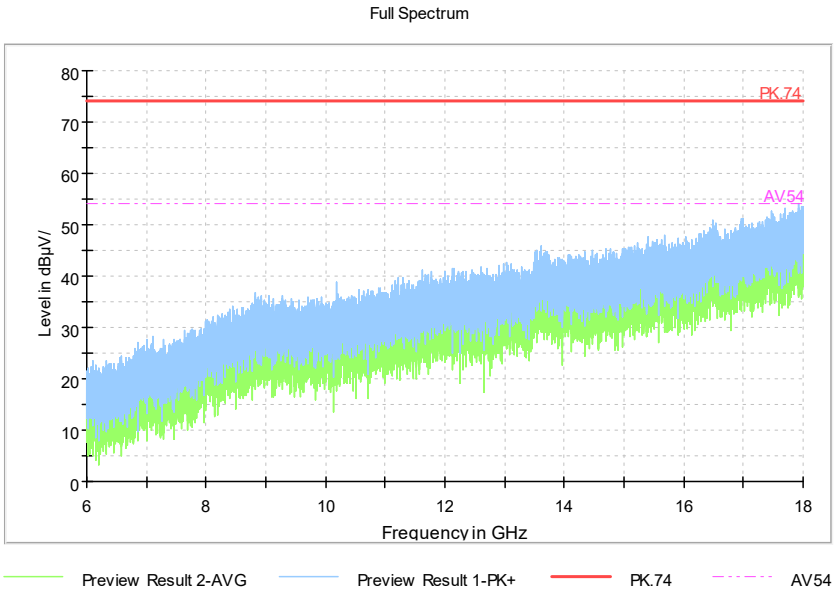


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



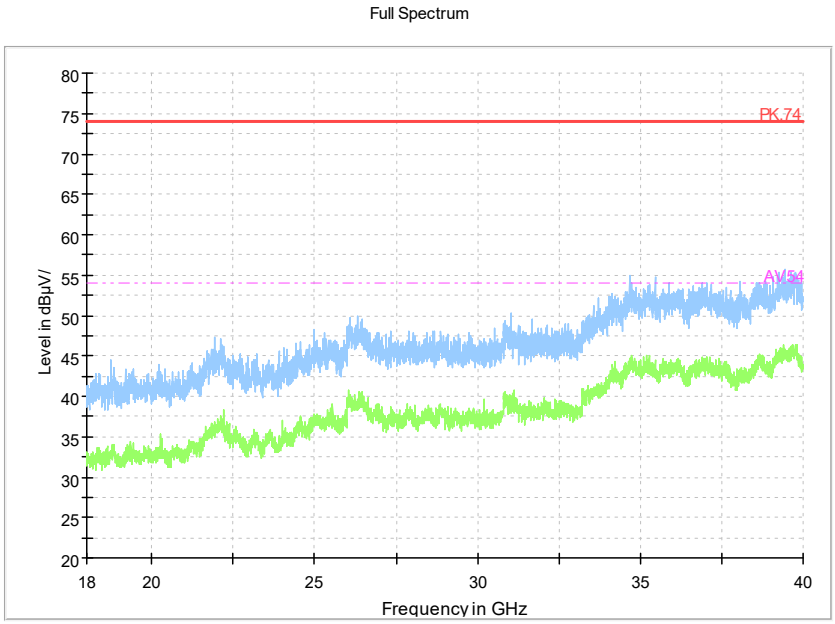
Comment

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



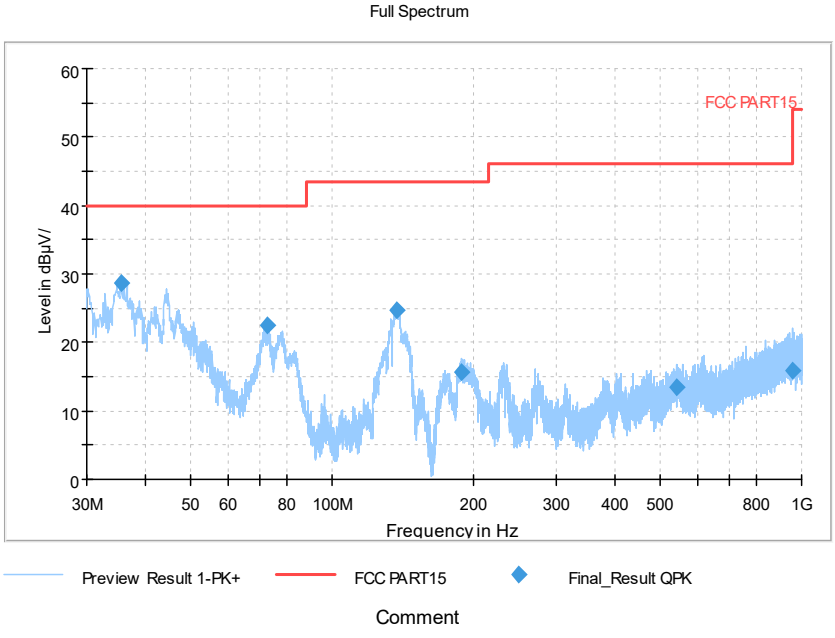
Comment

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

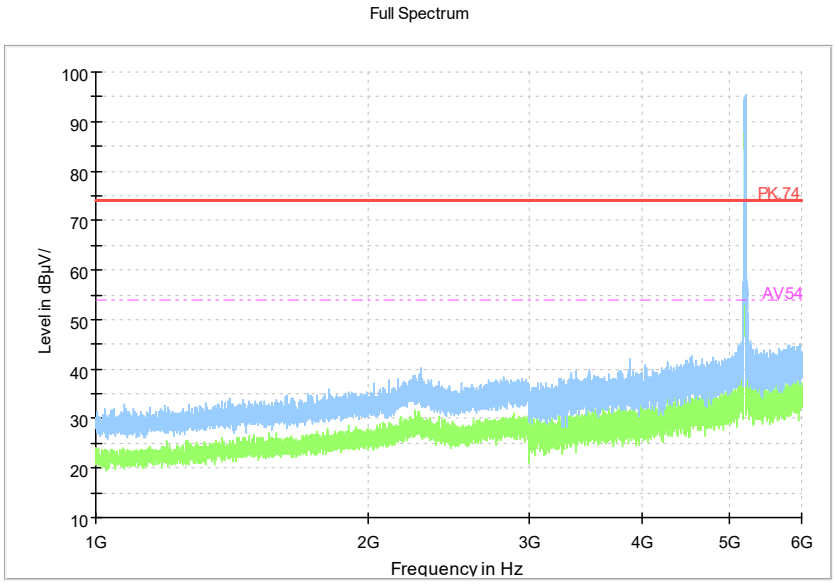


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

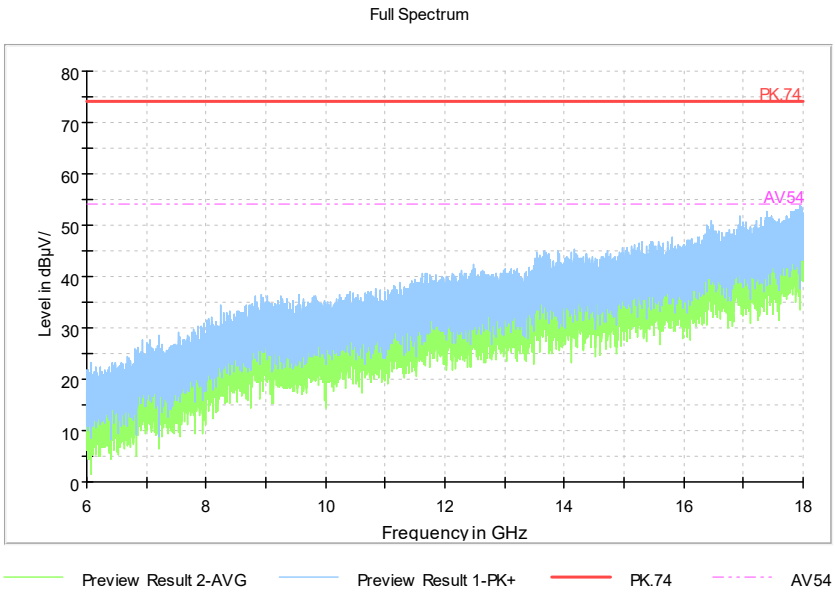
Carrier frequency (MHz): 5200
Channel No.:40



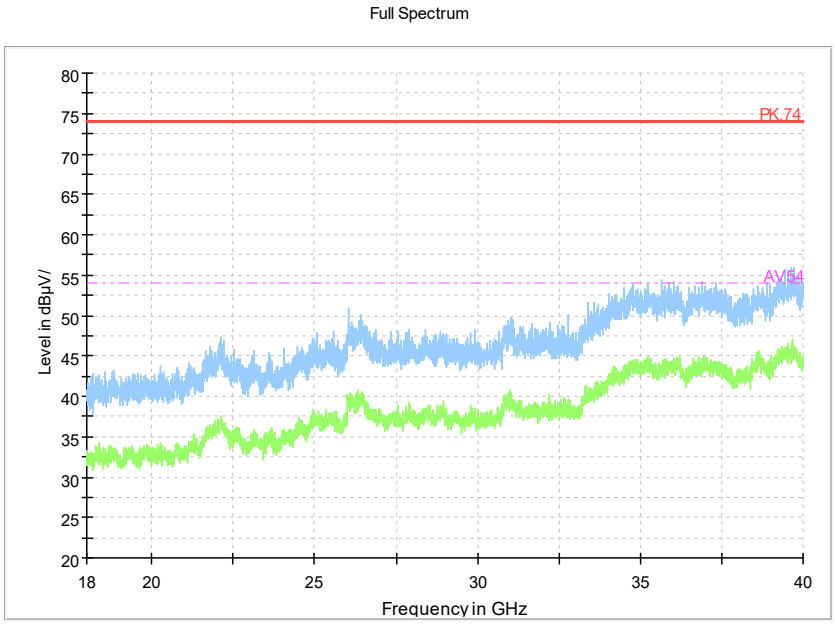
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



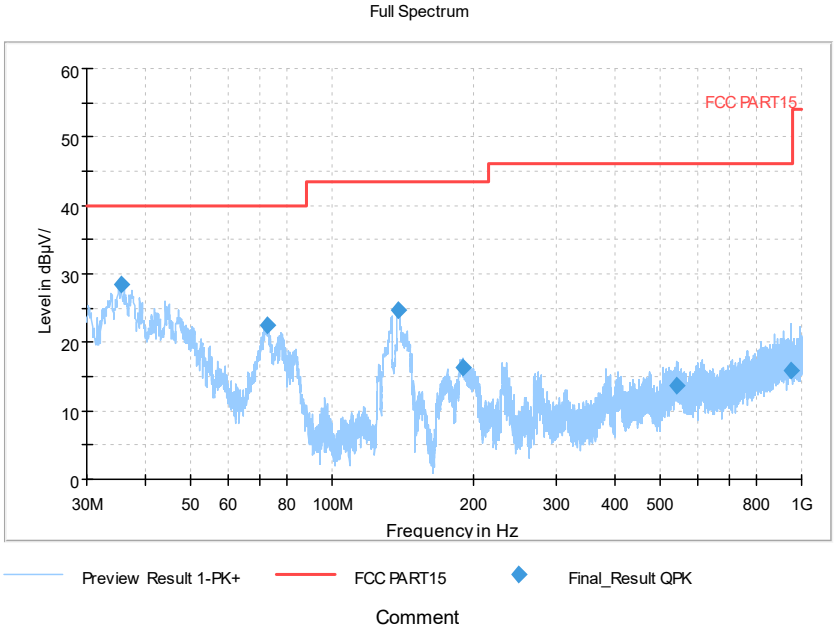
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



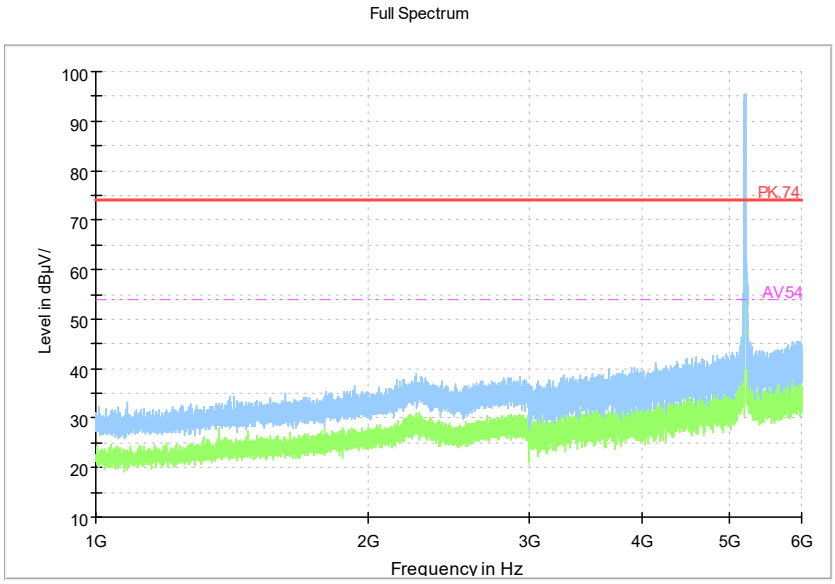
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



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

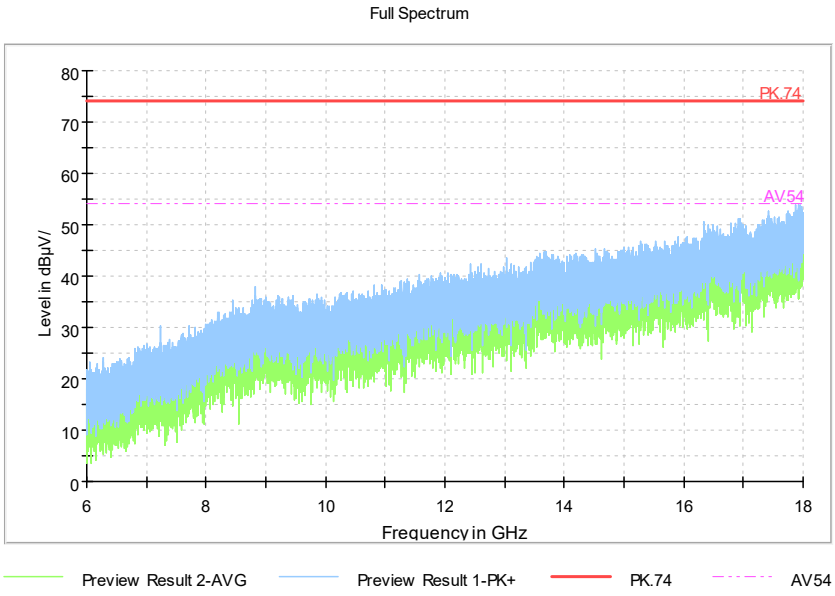


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



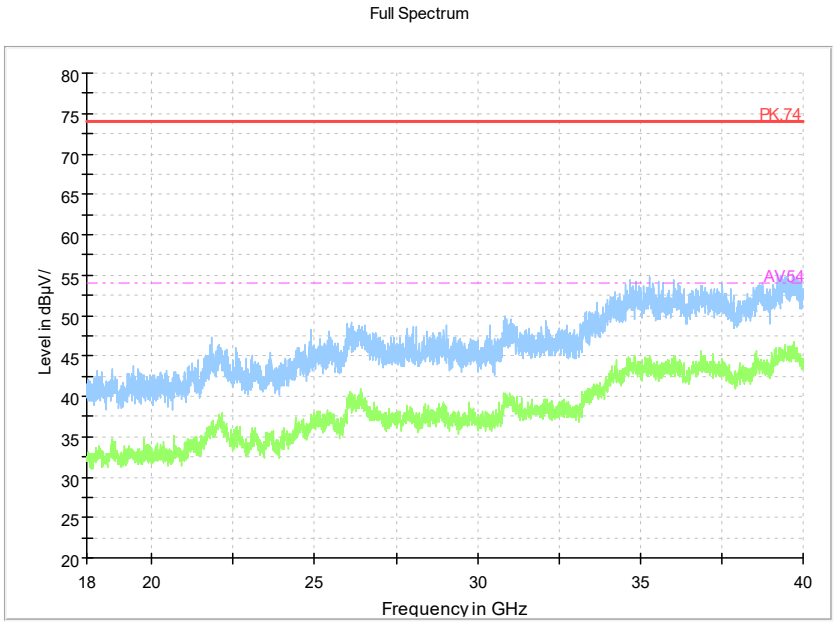
Comment

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



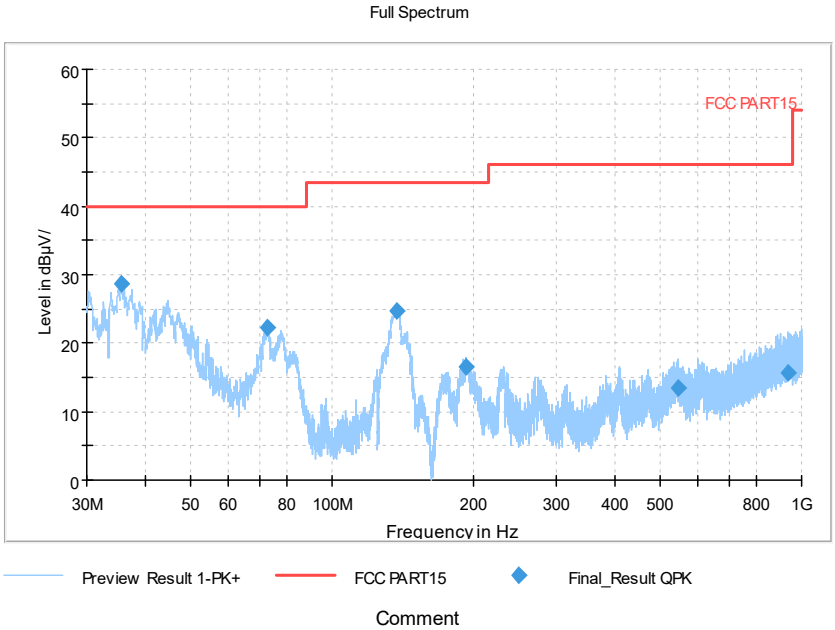
Comment

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

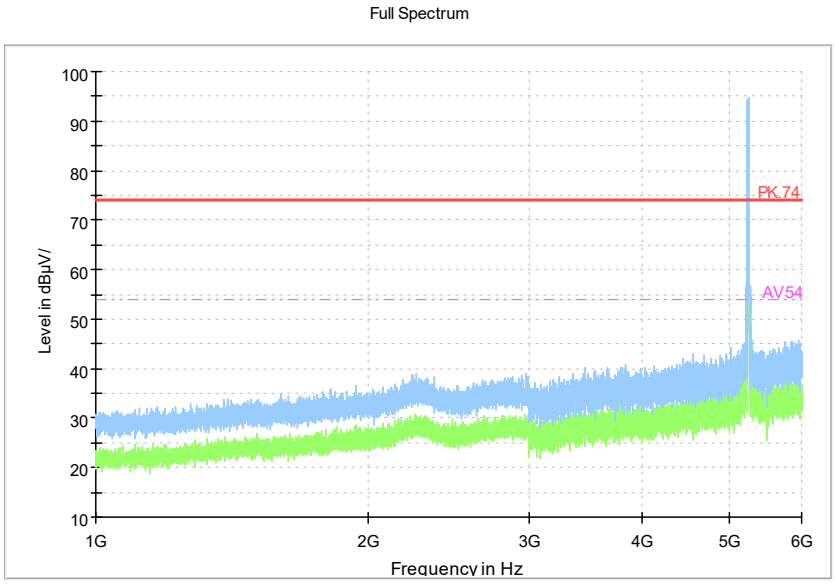


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

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

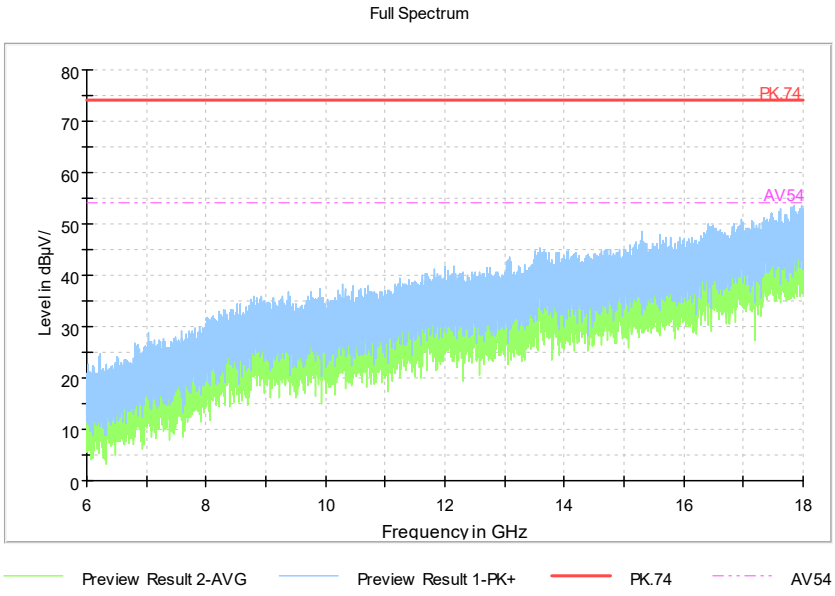


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



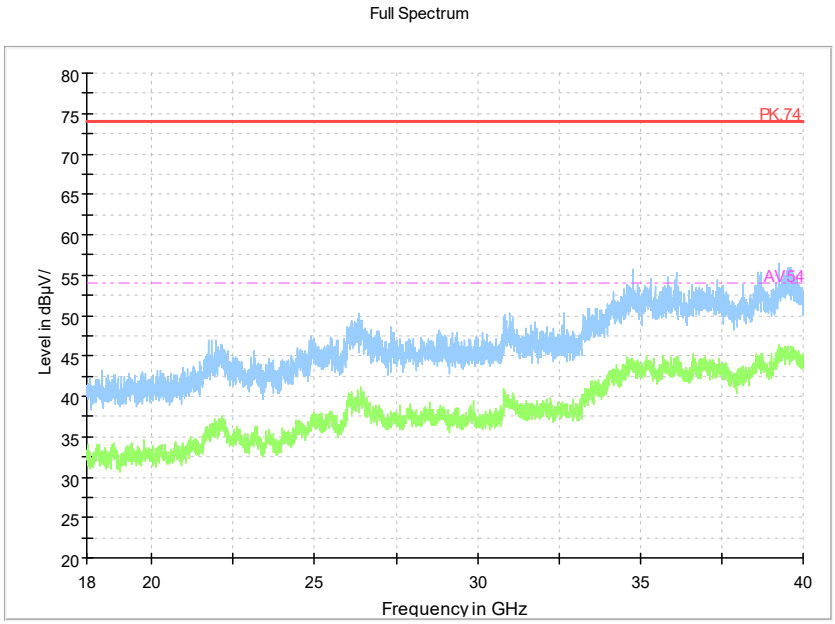
Comment

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

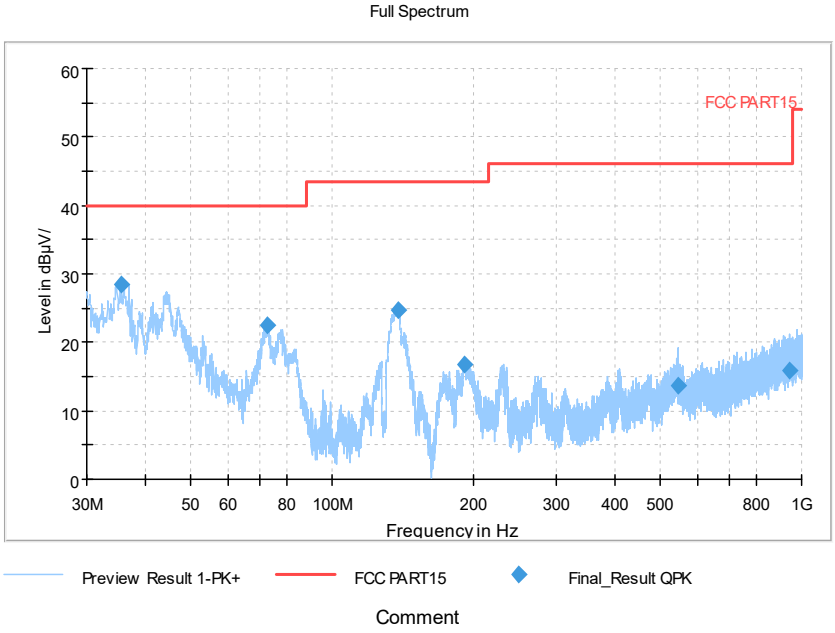


Comment

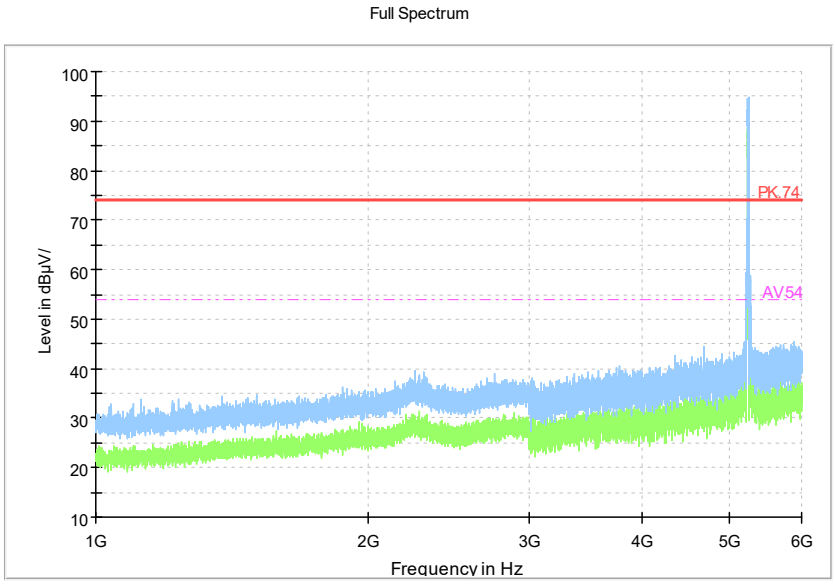
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



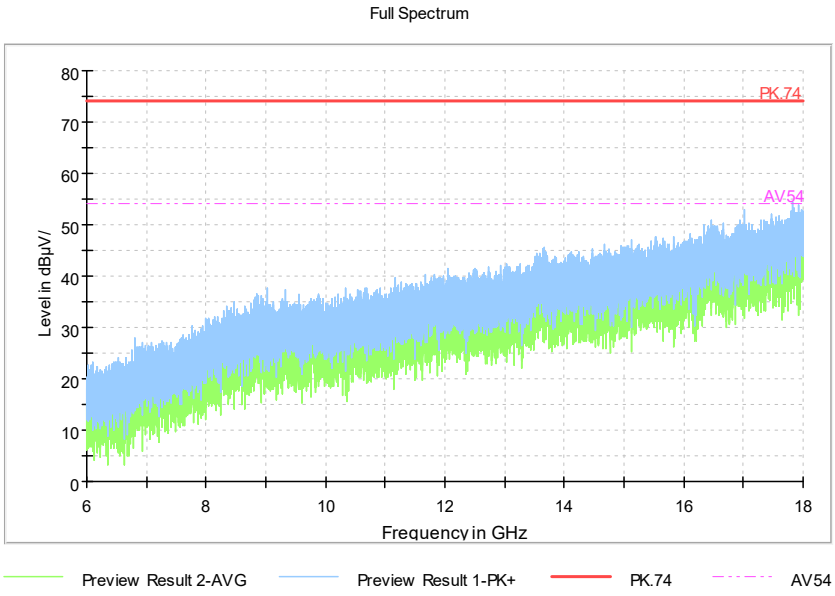
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



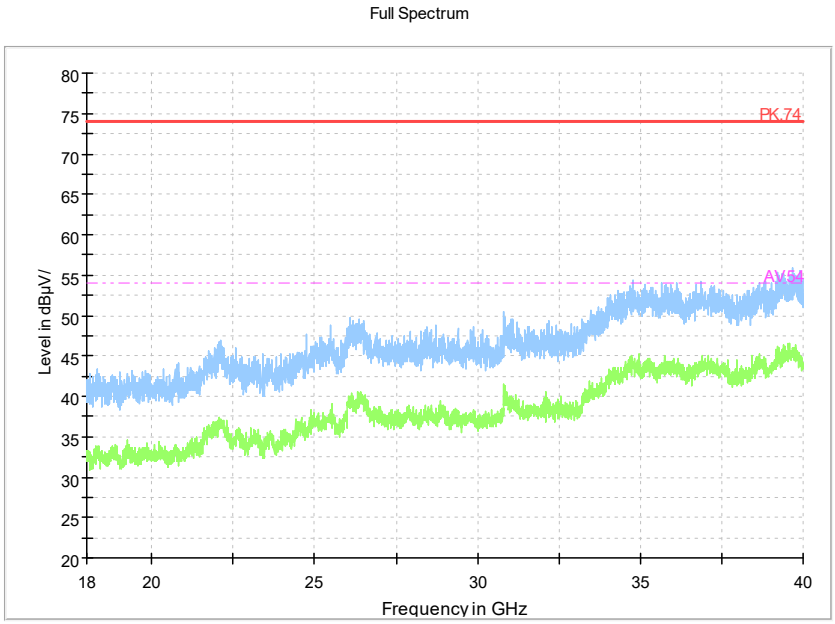
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

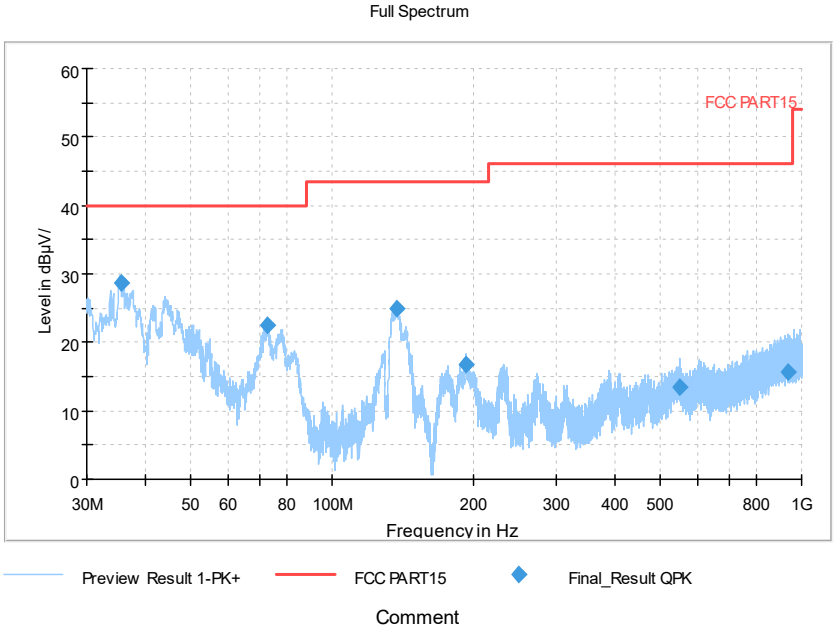


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

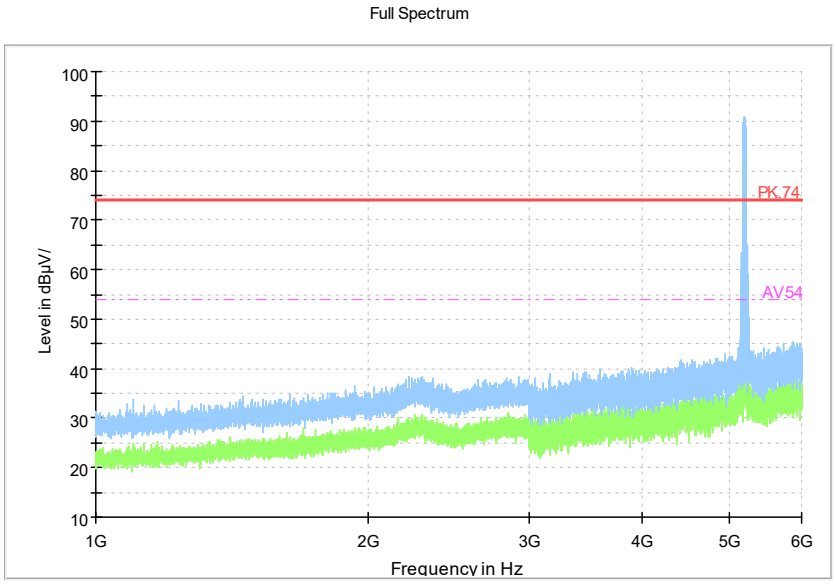


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

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

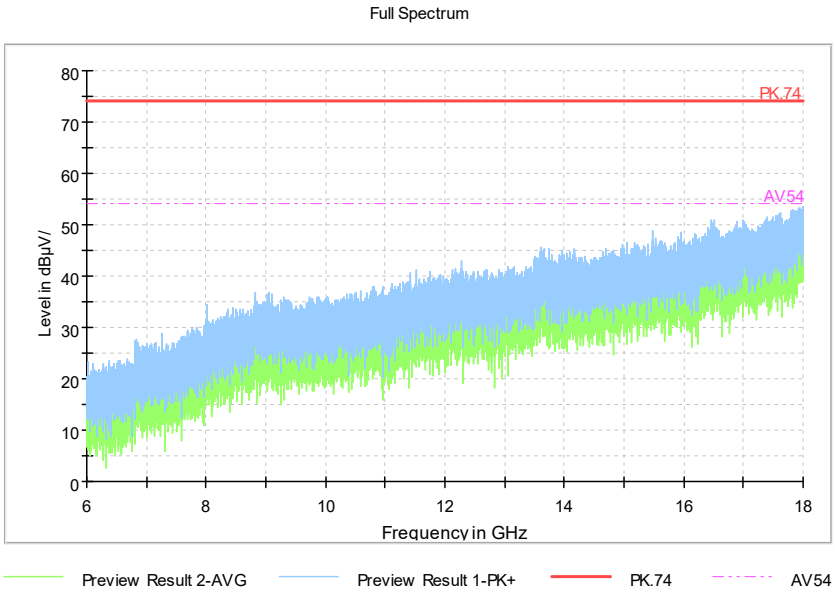


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



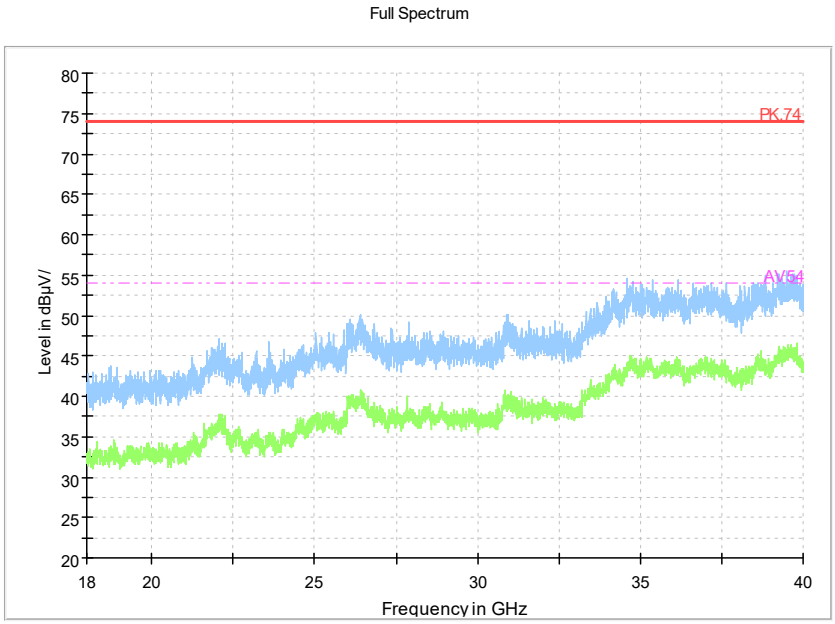
Comment

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



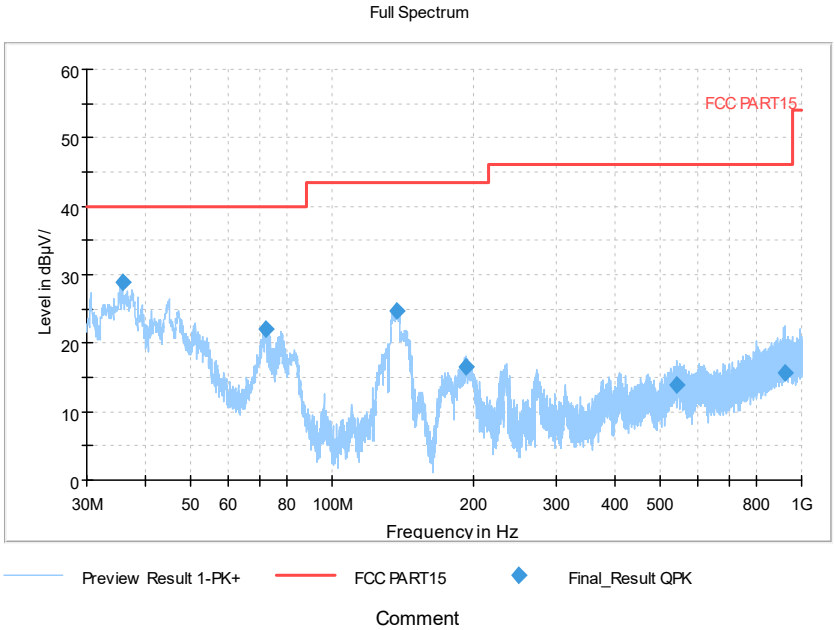
Comment

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

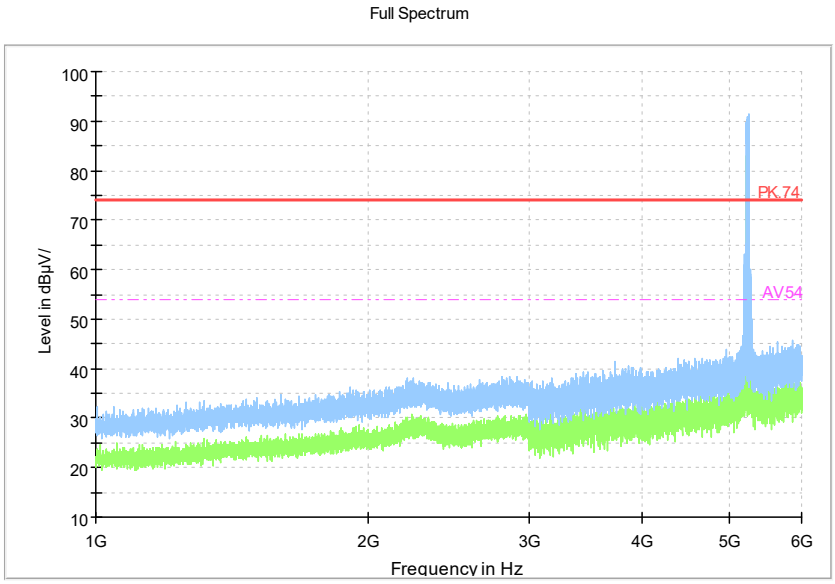


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

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

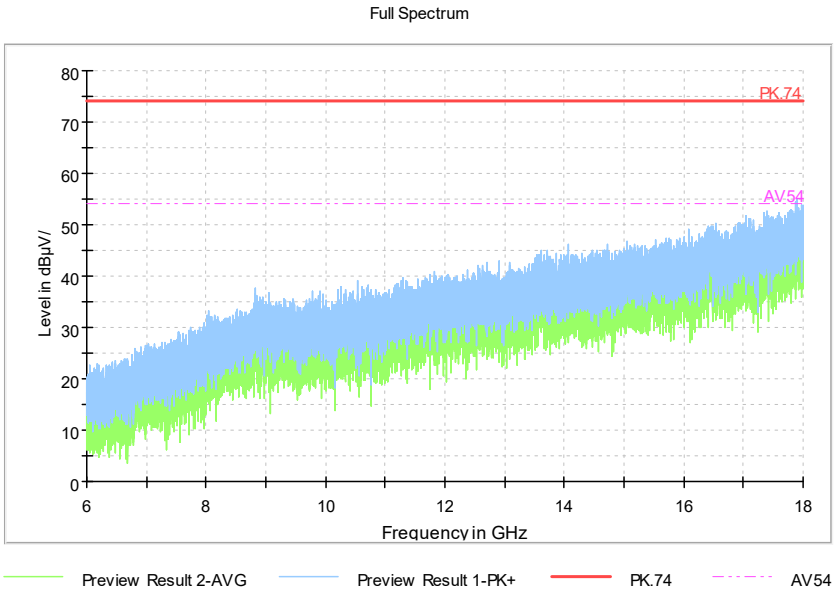


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



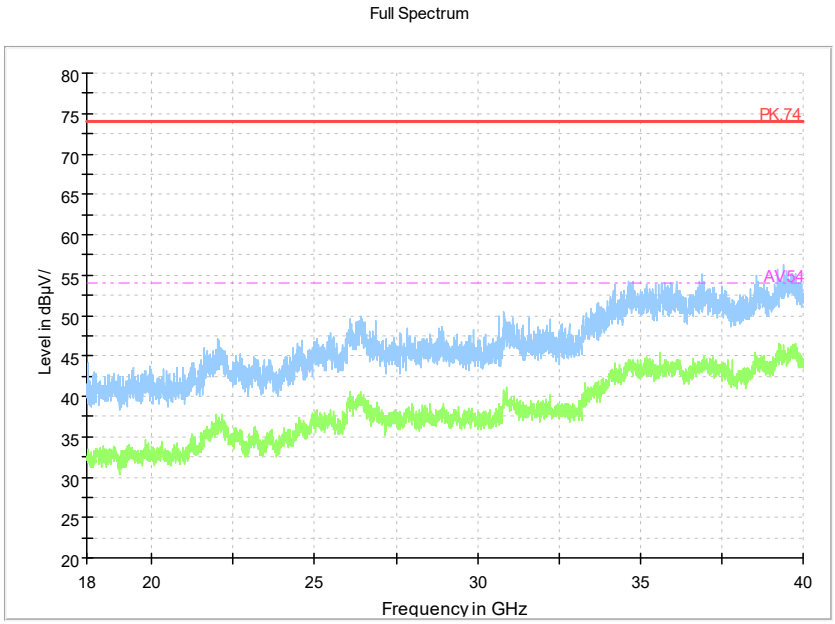
Comment

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



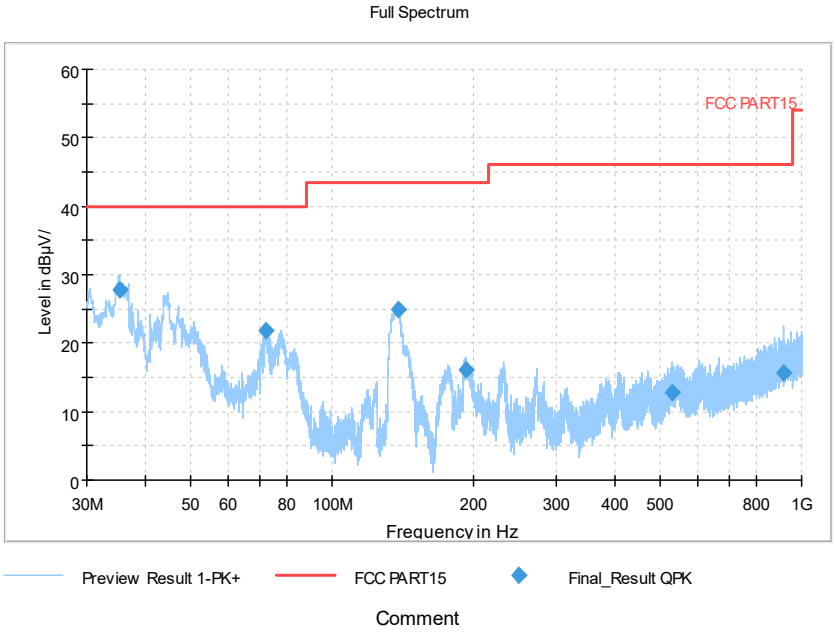
Comment

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

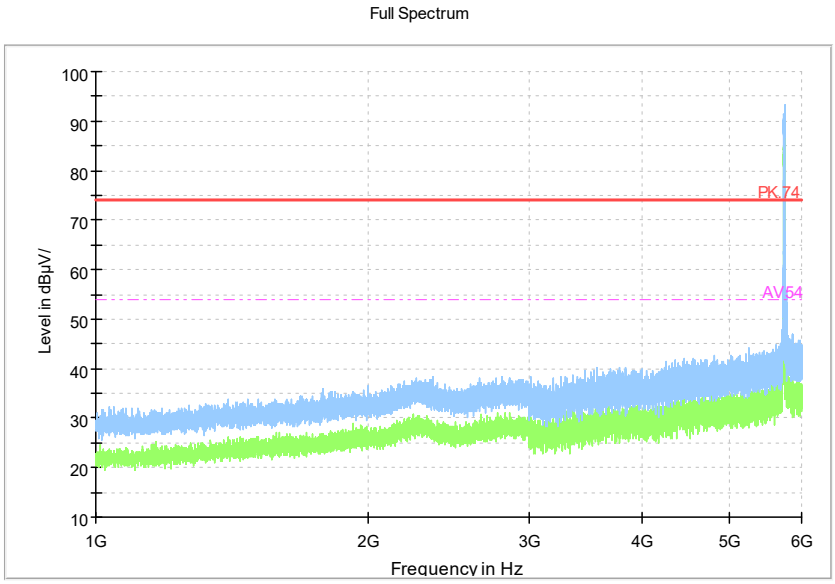


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Carrier frequency (MHz): 5745
Channel No.:149

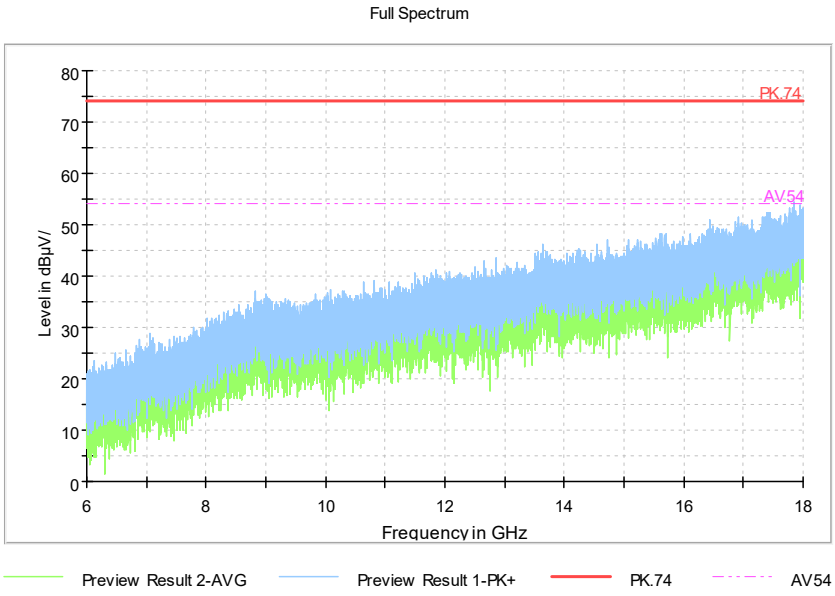


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



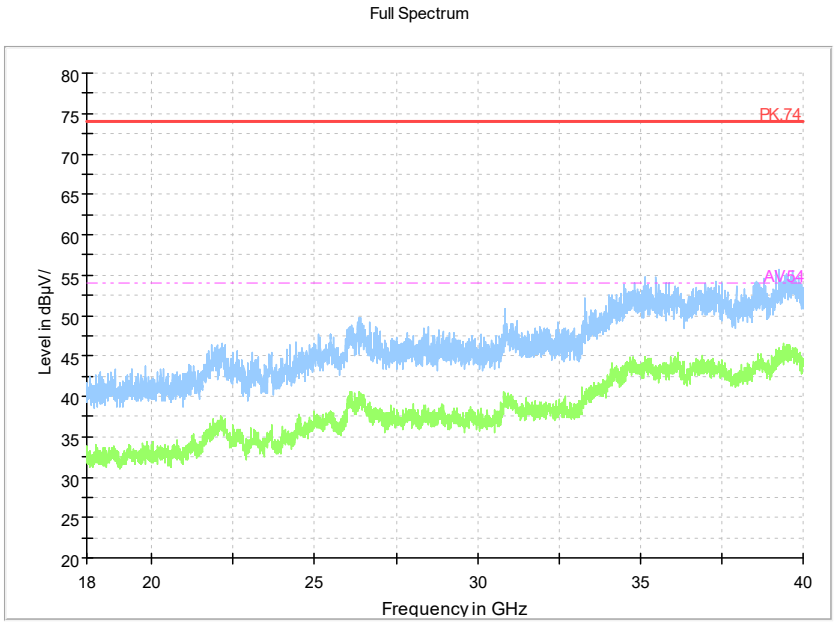
Comment

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

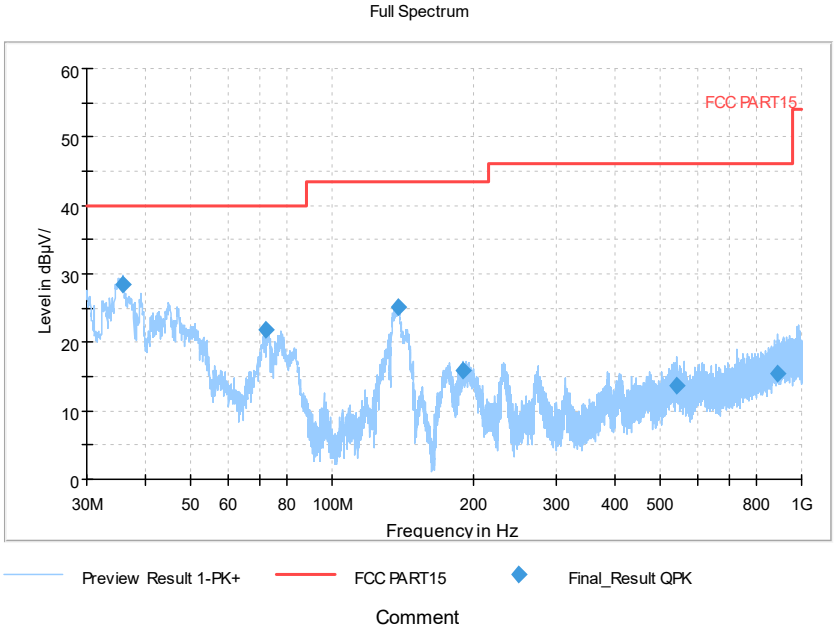


Comment

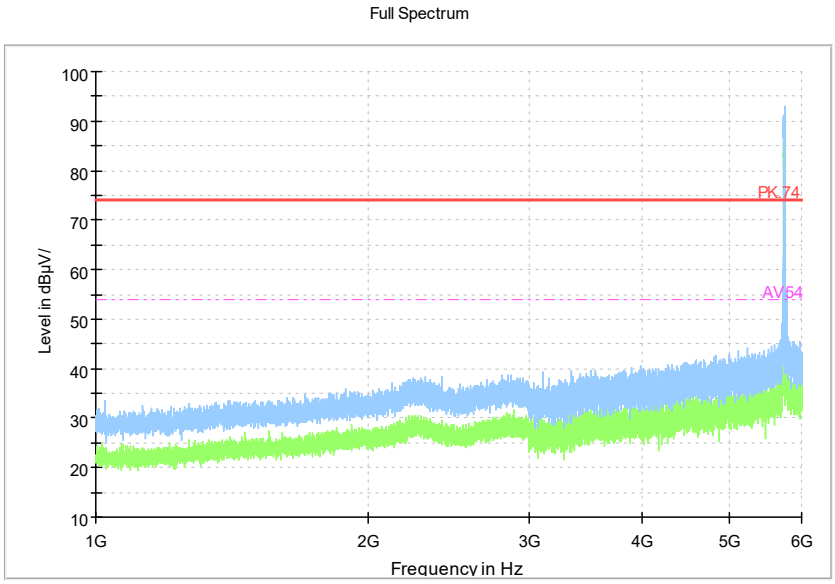
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



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

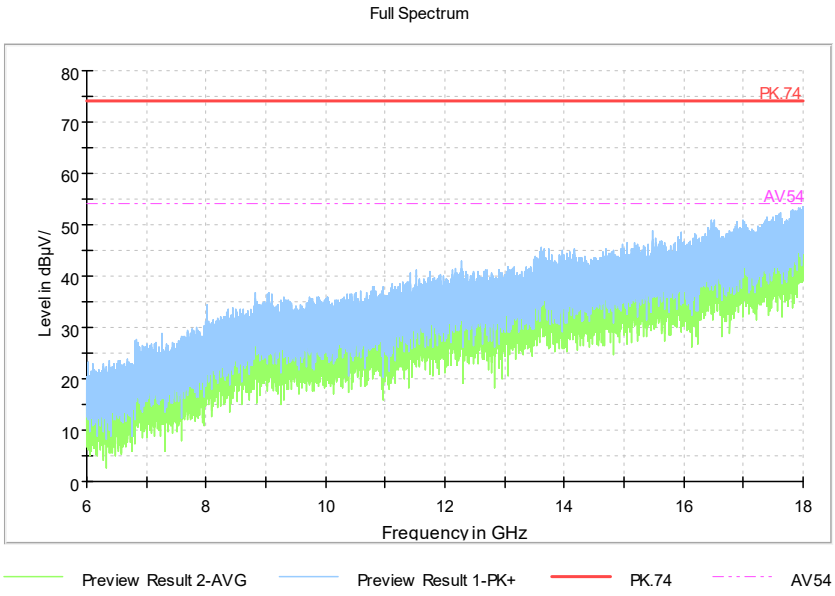


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



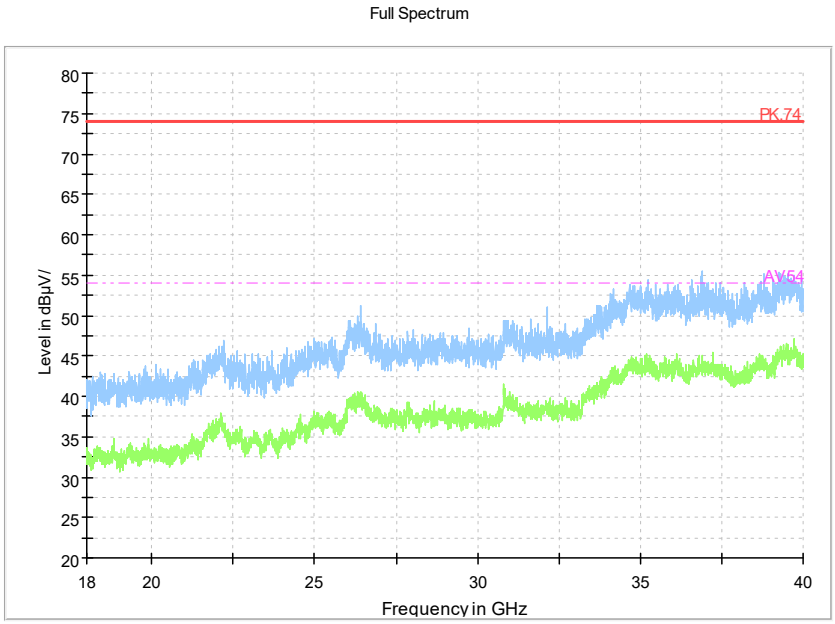
Comment

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



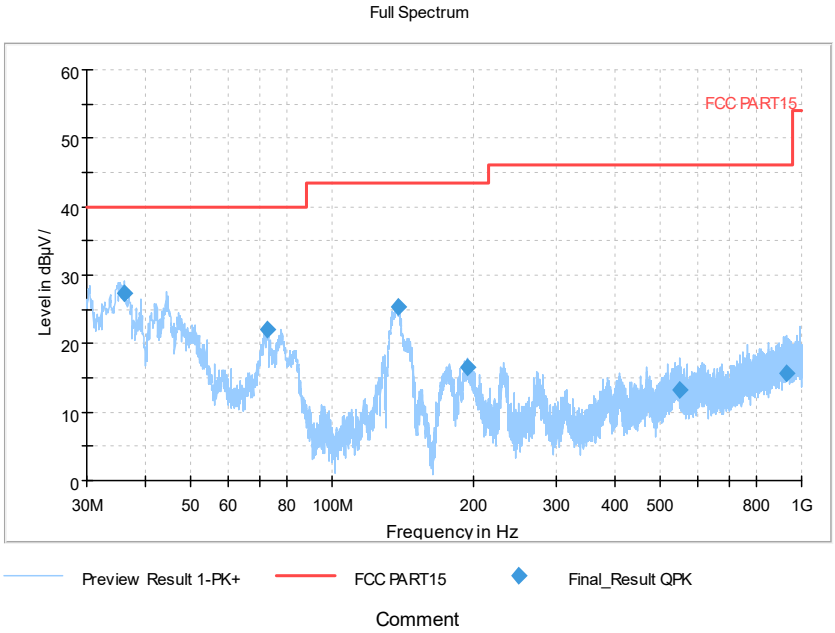
Comment

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

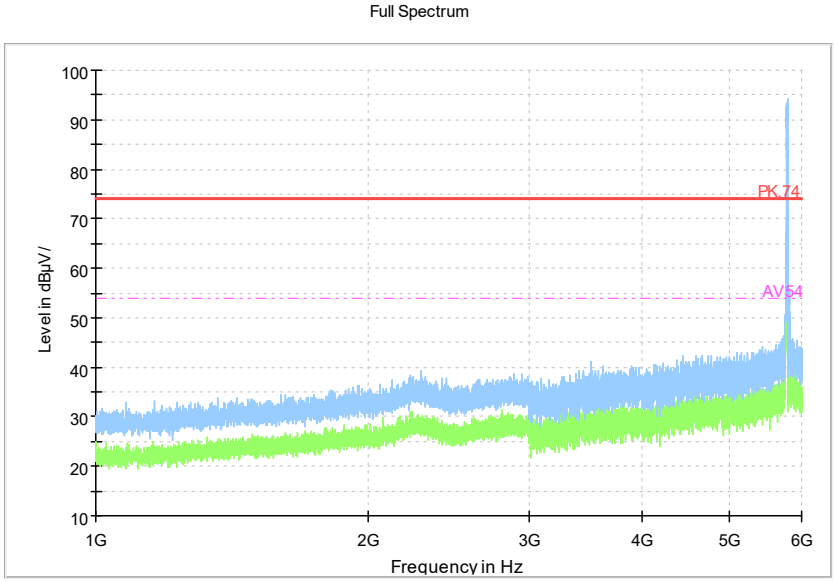


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Carrier frequency (MHz): 5785
Channel No.:157

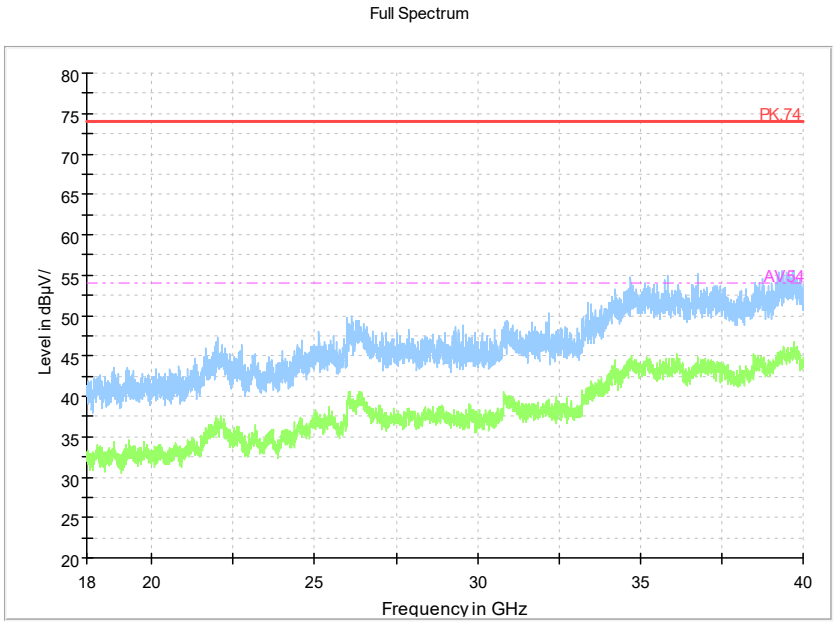


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a

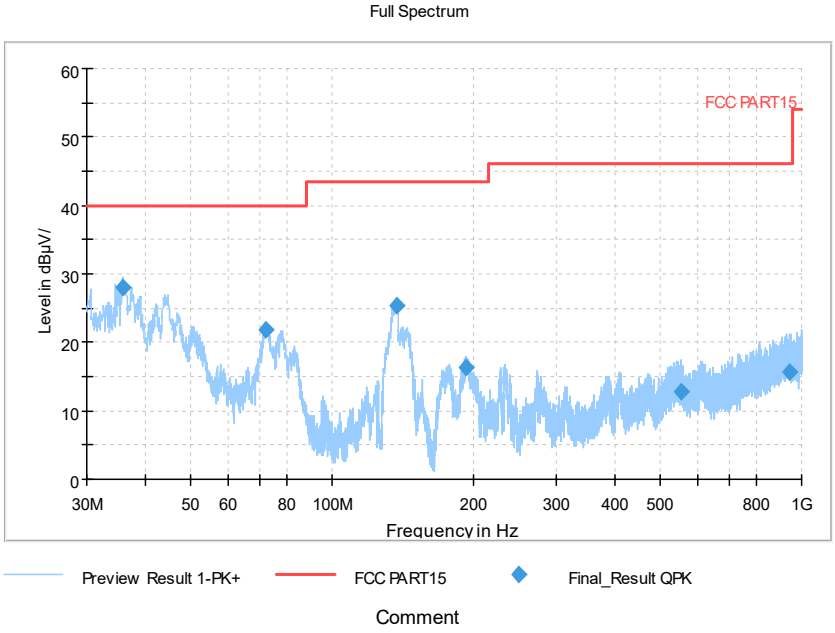


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

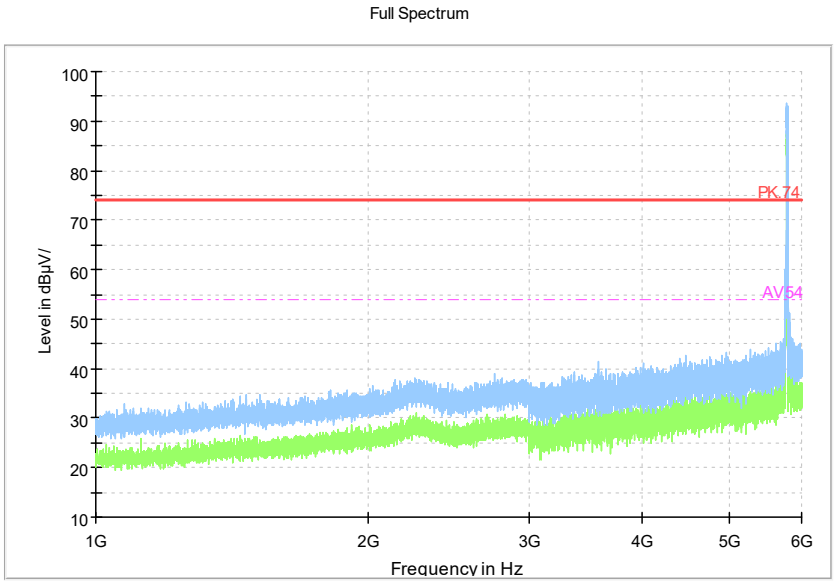
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



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

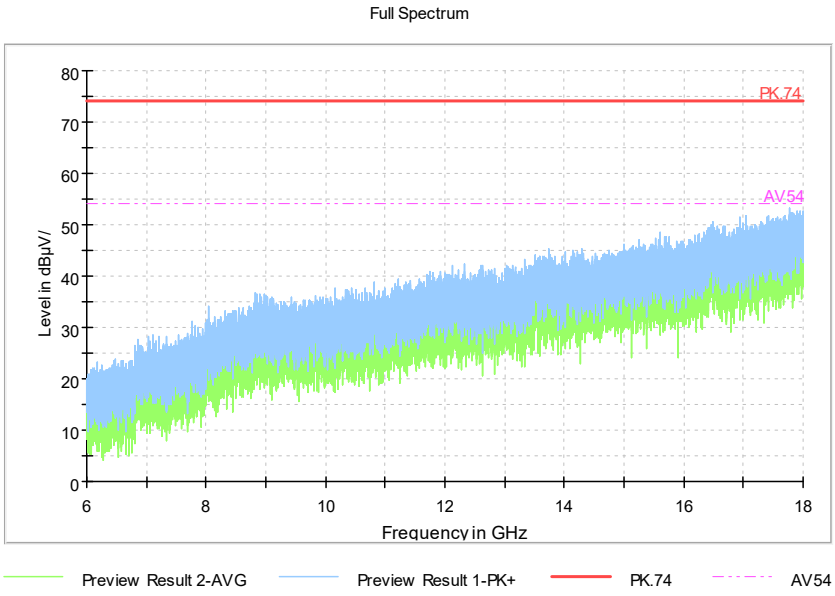


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



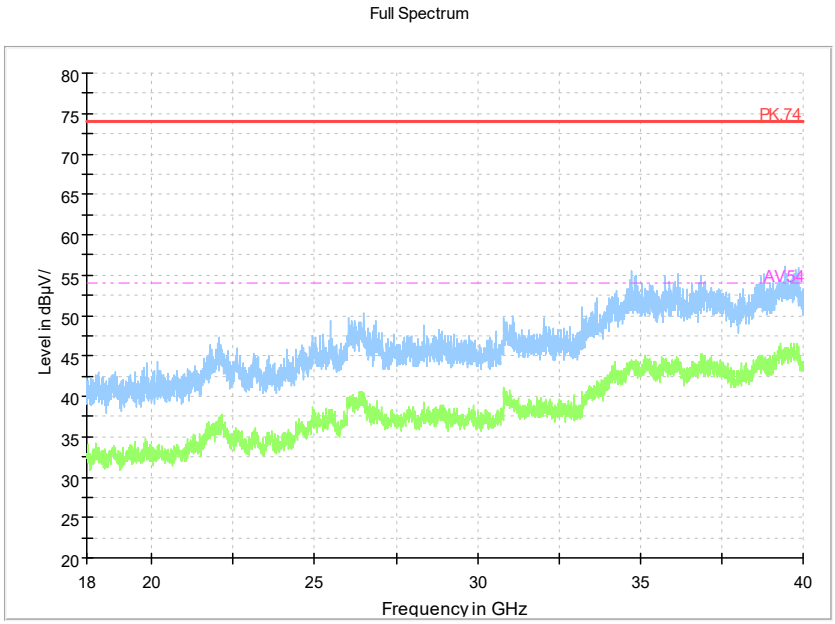
Comment

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



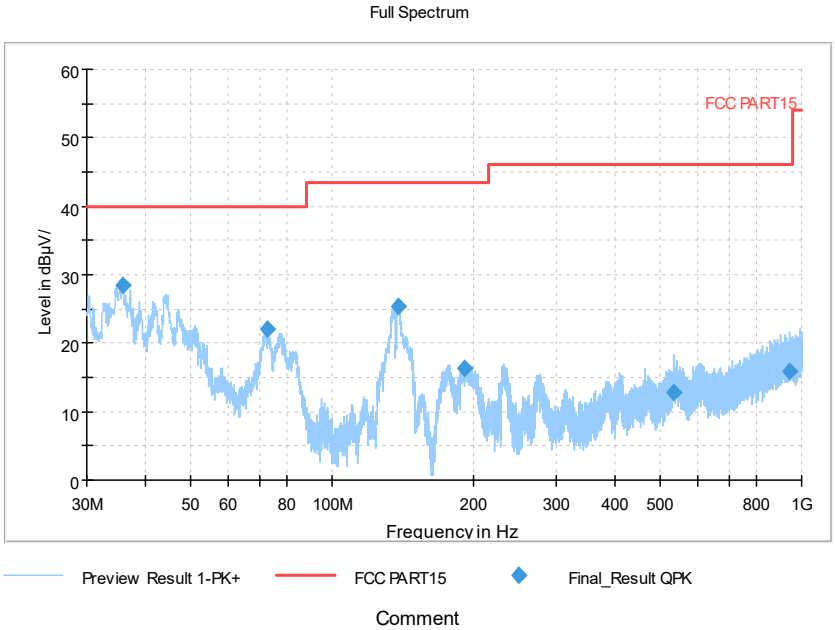
Comment

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

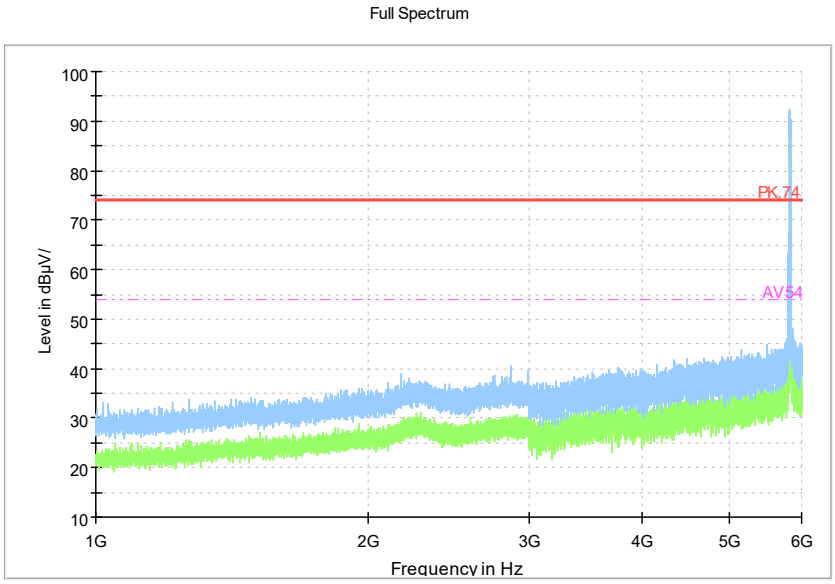


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

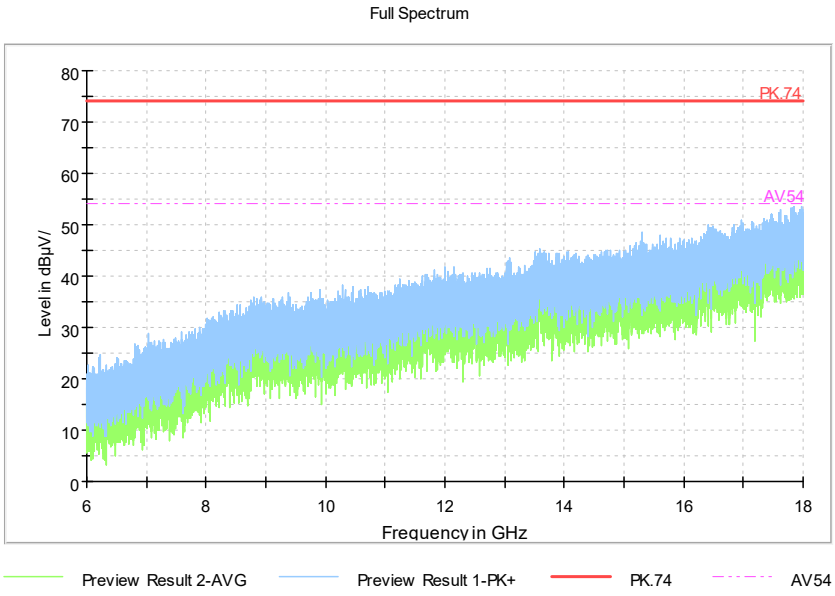
Carrier frequency (MHz): 5825
Channel No.:165



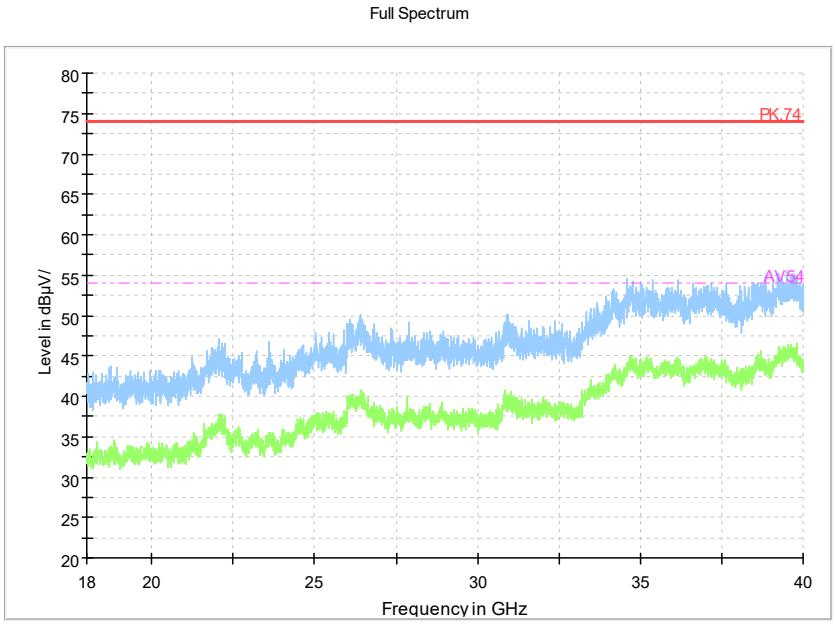
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



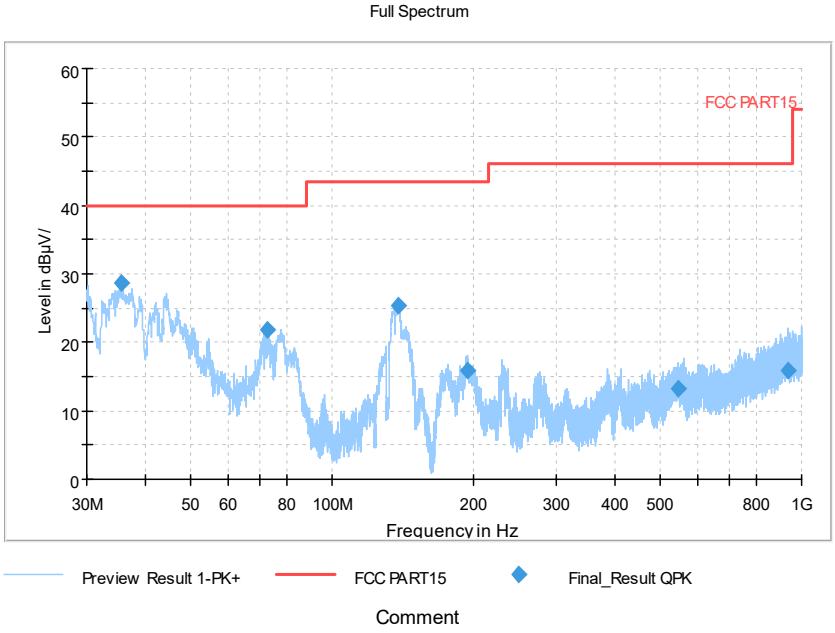
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



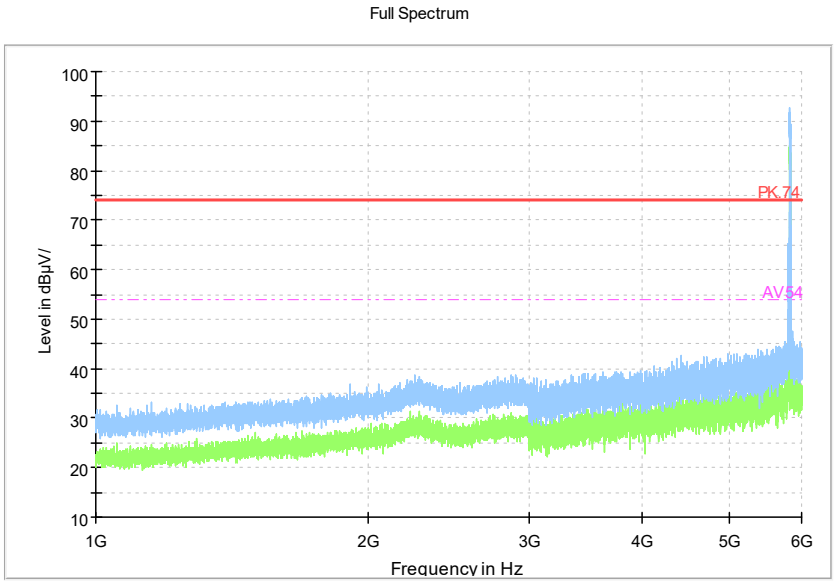
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



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

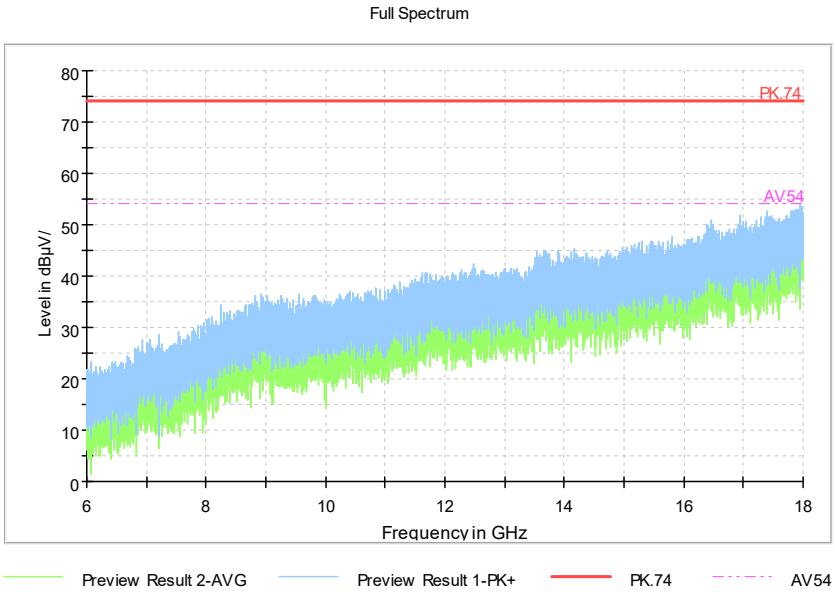


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



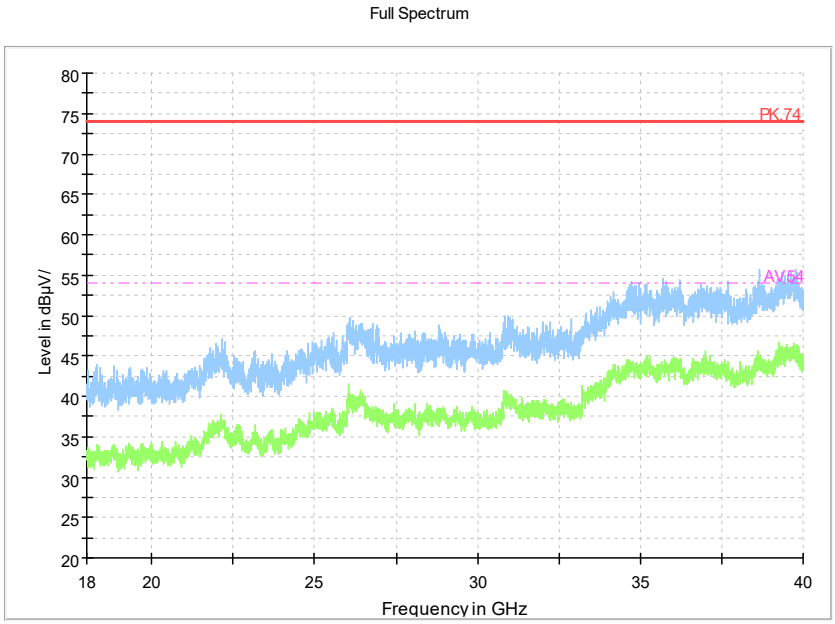
Comment

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



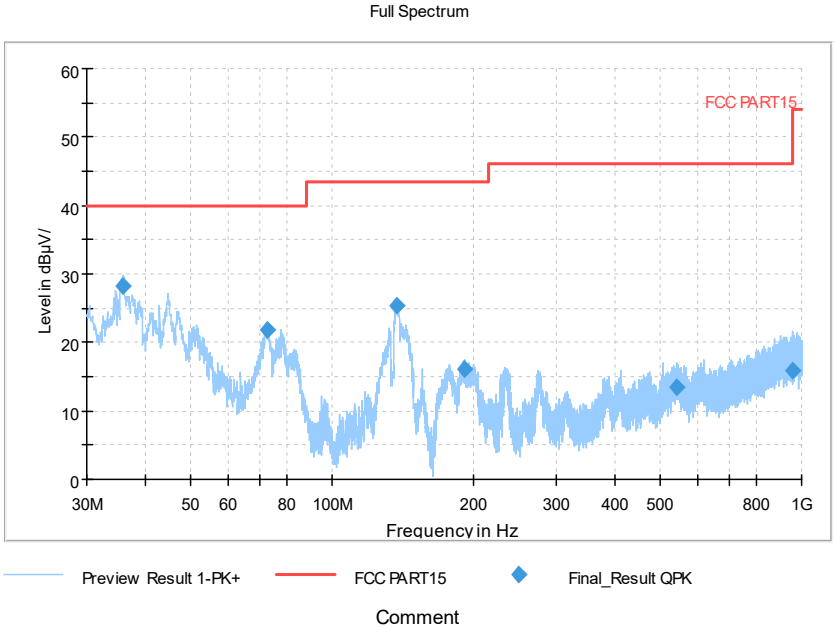
Comment

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

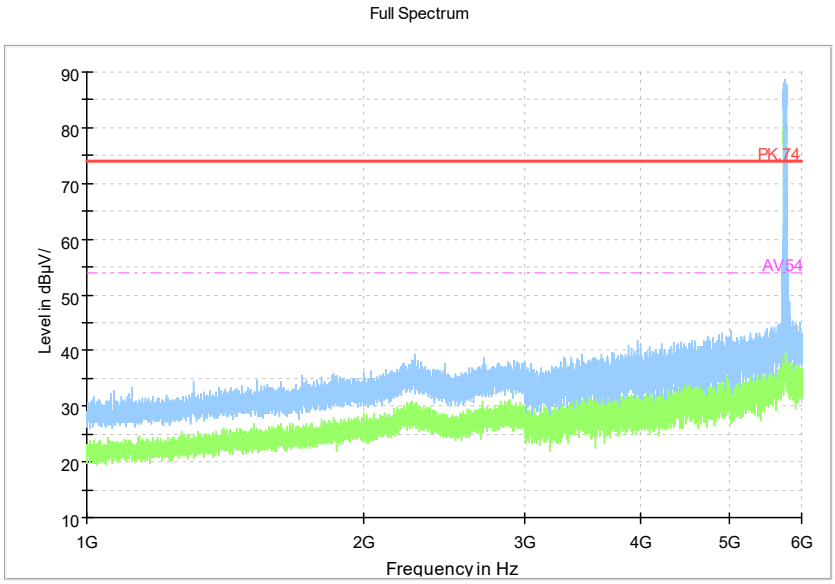


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

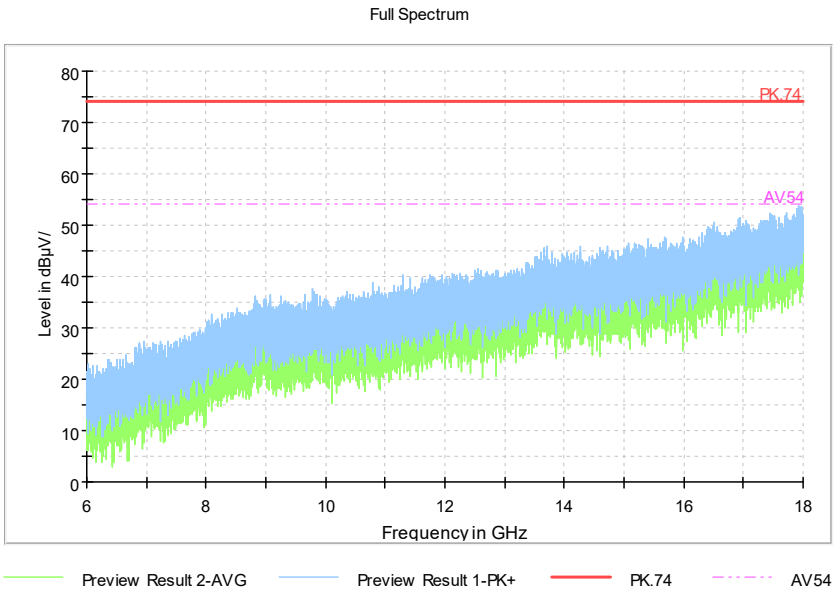
Carrier frequency (MHz): 5755
Channel No.:151



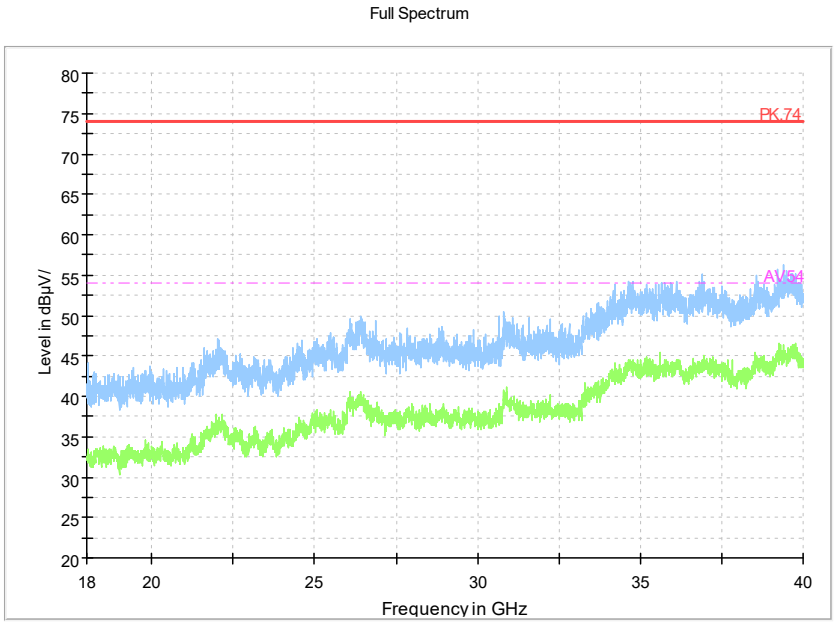
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

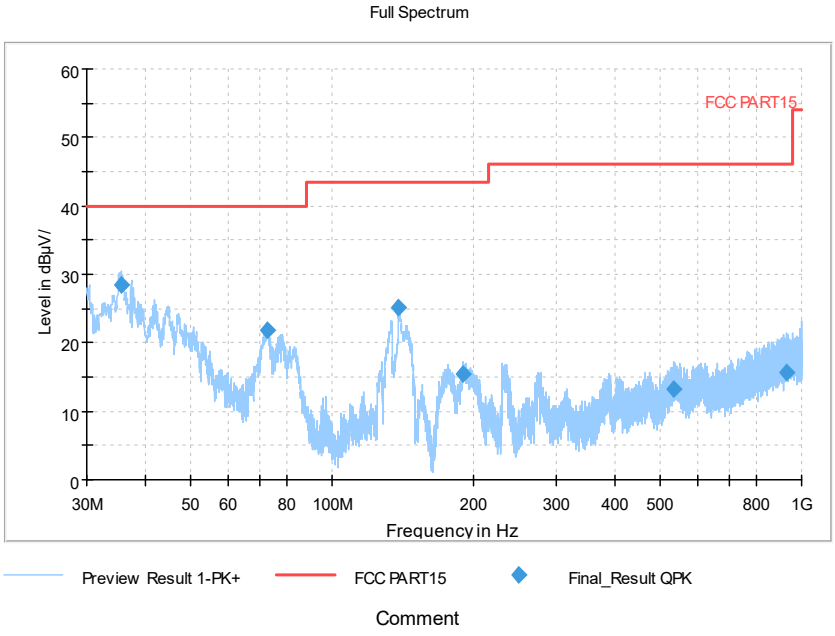


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

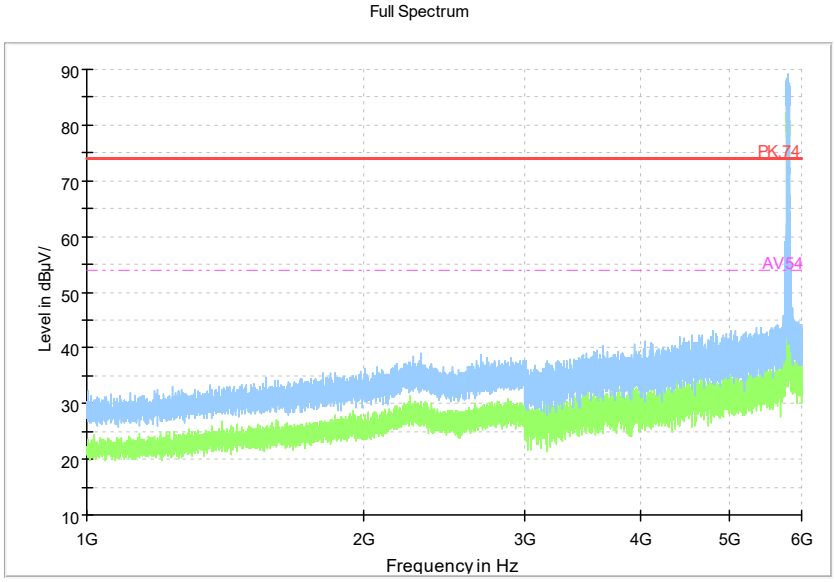


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

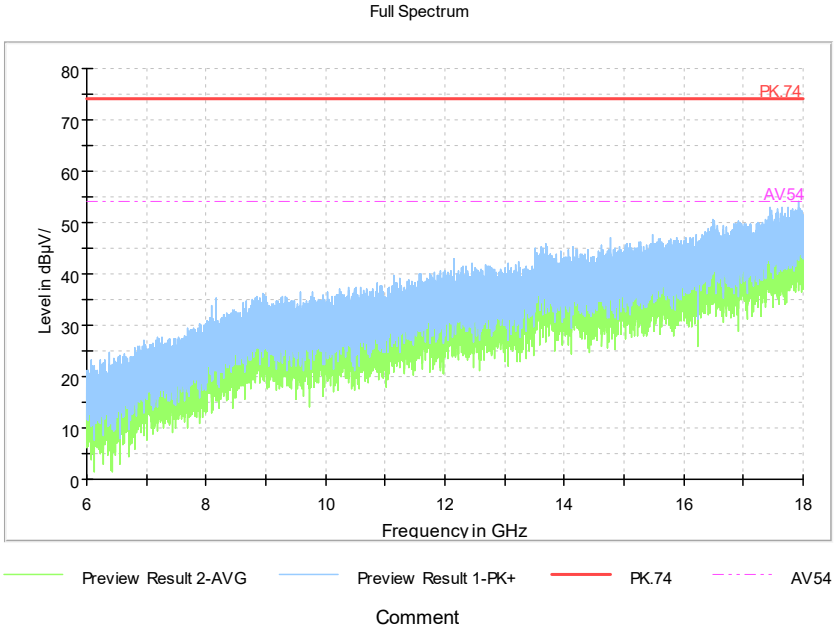
Carrier frequency (MHz): 5795
Channel No.:159



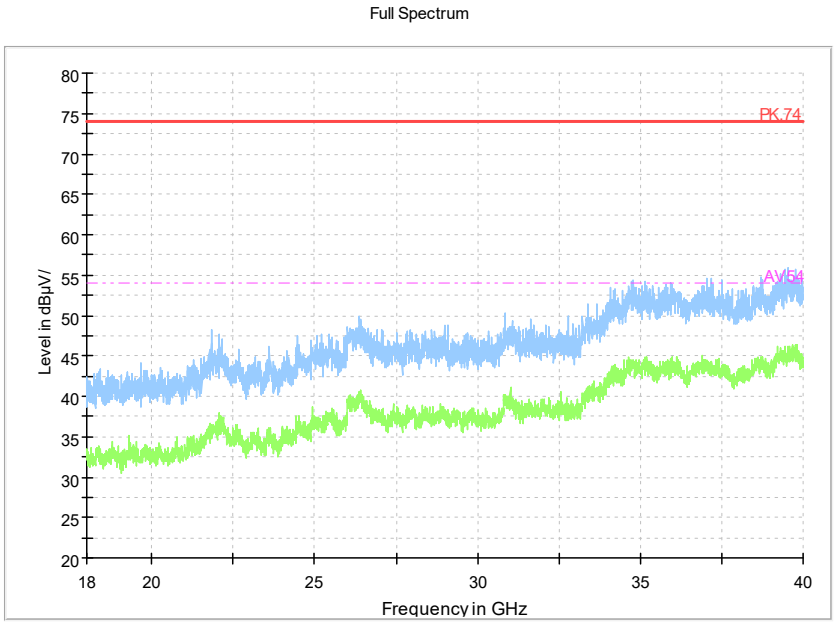
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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)

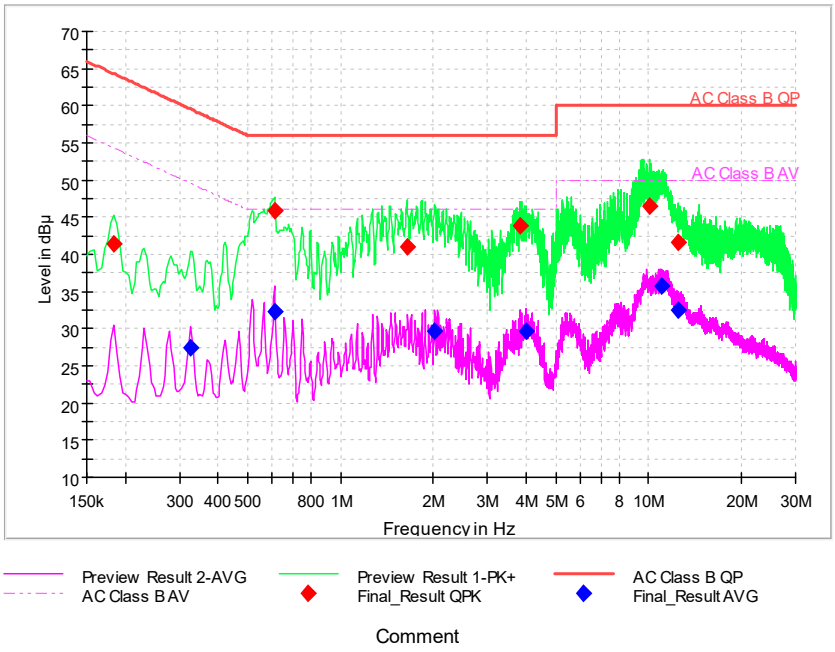


Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

AC Power line Conducted Emission

A “reference path loss” Corr.(dB) is established and the L_{cable}+ATT+VDF is the attenuation of ” reference path loss”, and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.
The measurement results are obtained as described below:
$P_{result}=P_{mea}$+ Corr.(dB)

Sample calculation: (41.51 dBμV) = (11.91 dBμV) + (29.6 dB), the corresponding frequency is 0.184114MHz.
The mode of 802.11a Channel 36 is selected for the test of Conducted Emission.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBμV)	Pmea Average (dBμV)
0.184114	41.51	---	64.30	22.79	L1	29.6	11.91	---
0.324836	---	27.51	49.58	22.07	L1	29.6	---	-2.09
0.610543	---	32.34	46.00	13.66	L1	29.6	---	2.74
0.614807	45.83	---	56.00	10.17	L1	29.6	16.23	---
1.642500	40.99	---	56.00	15.01	L1	29.7	11.29	---
2.026286	---	29.63	46.00	16.37	L1	29.7	---	-0.07
3.825814	43.78	---	56.00	12.22	L1	29.7	14.08	---
4.013443	---	29.66	46.00	16.34	L1	29.7	---	-0.04
10.034614	46.49	---	60.00	13.51	L1	29.8	16.69	---
10.968493	---	35.79	50.00	14.21	N	29.8	---	5.99
12.435407	---	32.49	50.00	17.51	N	29.8	---	2.69
12.482314	41.57	---	60.00	18.43	L1	29.8	11.77	---

---The end of the test report---