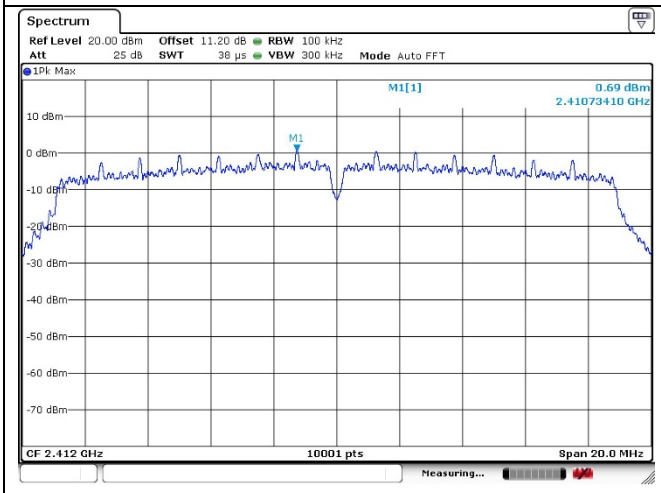
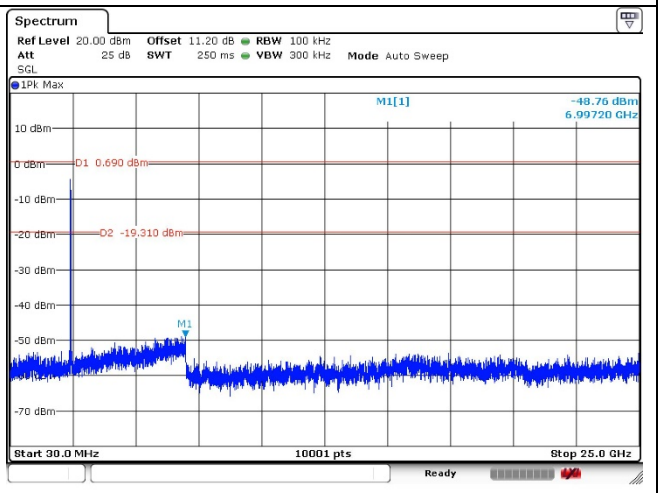
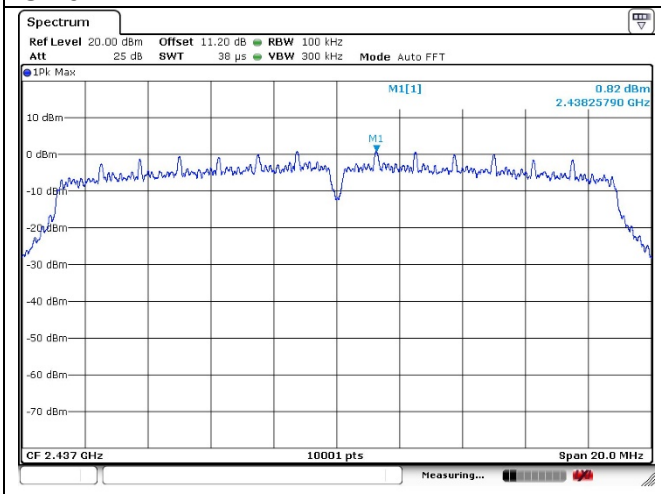
802.11n (HT20)

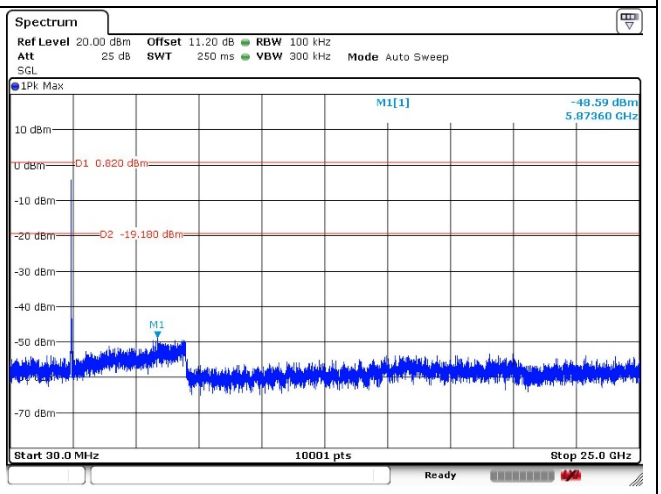
CH1



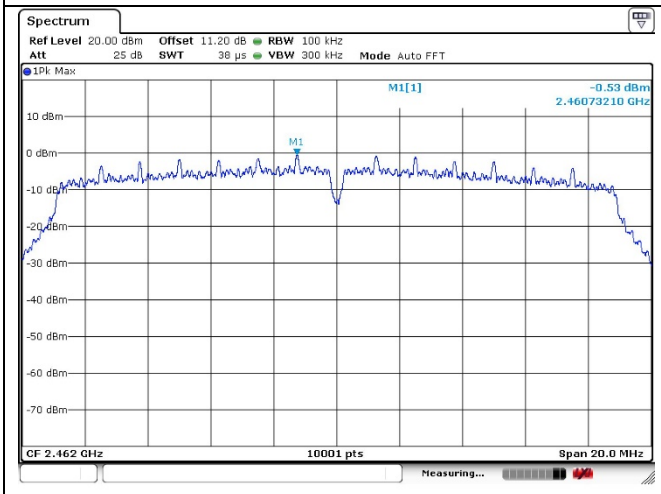


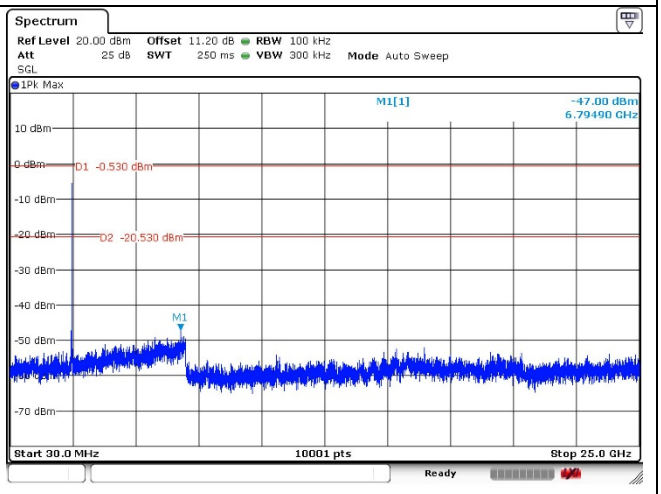
CH6





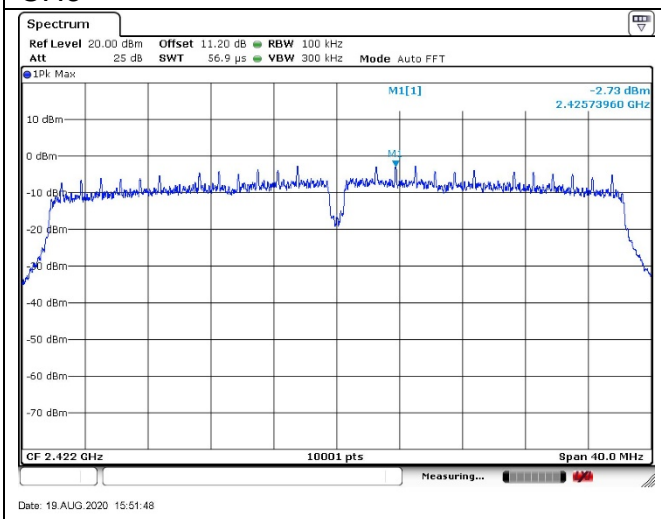
CH11

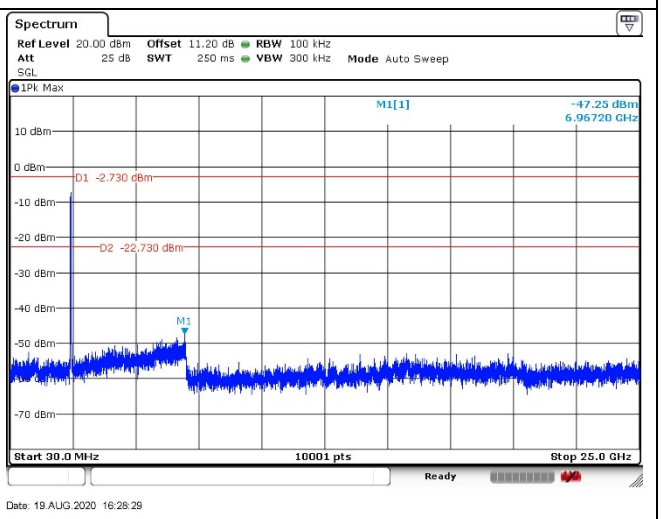




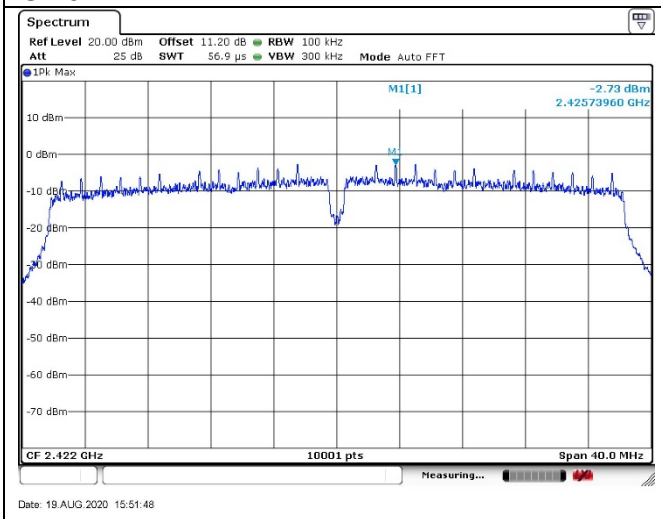
802.11n (HT40)

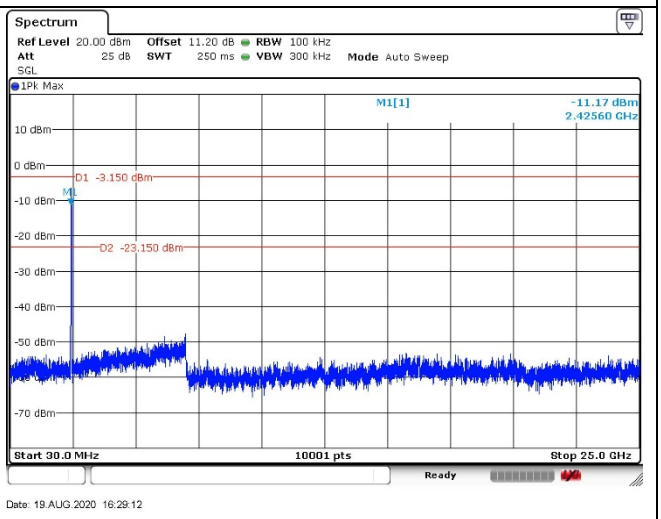
CH3



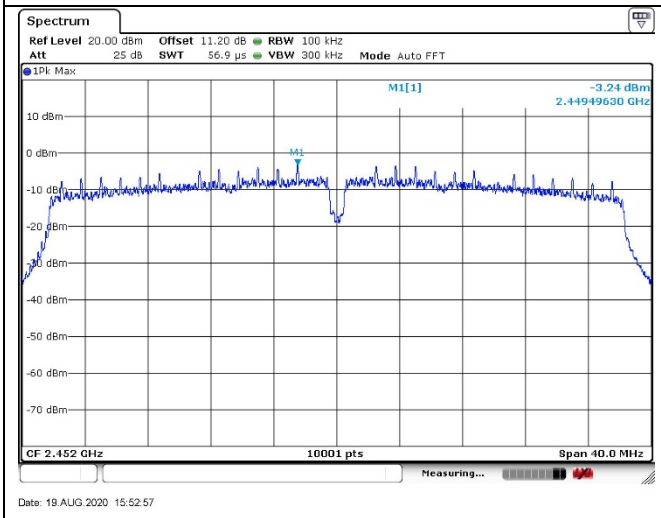


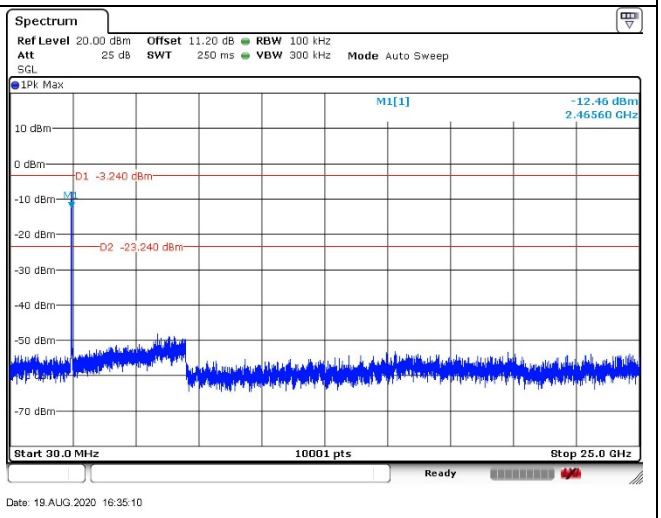
CH6





CH9



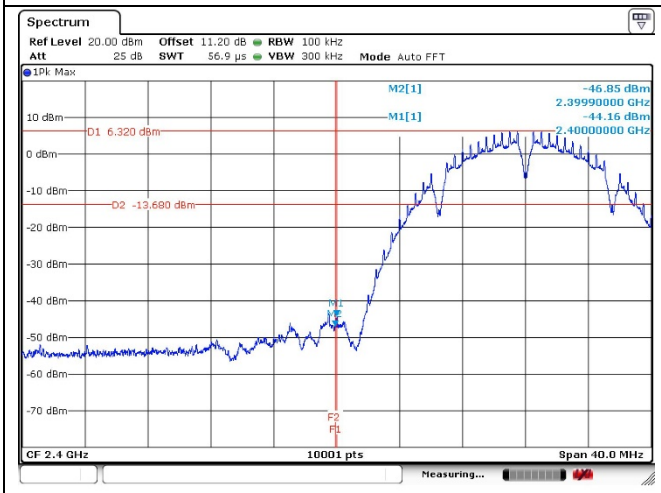


Band edge measurement (RF Conducted measurement)

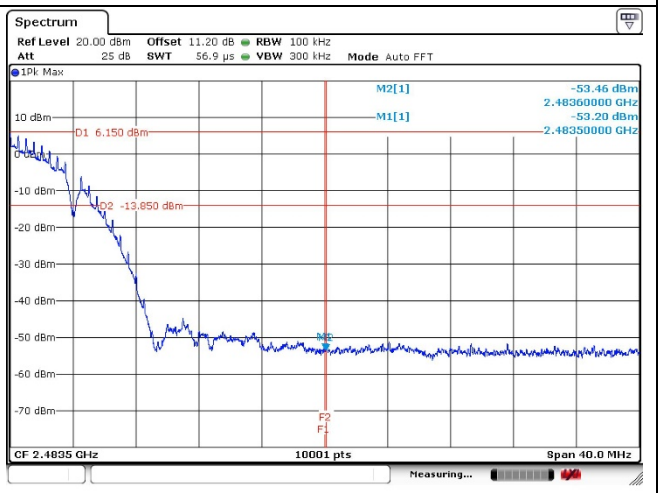
Offset 11.2dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

802.11b

CH1

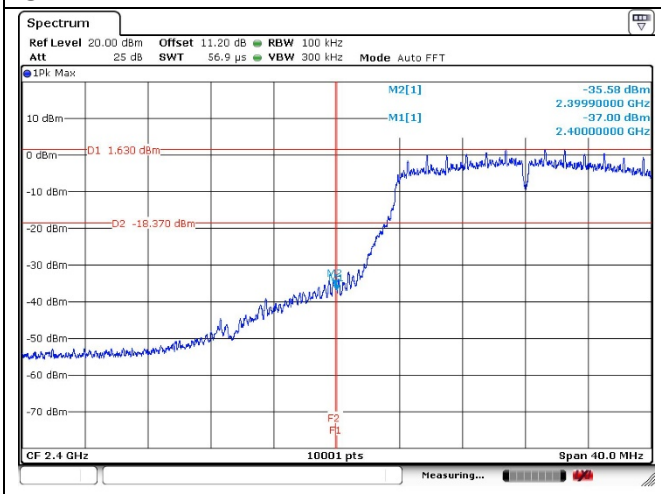


CH11

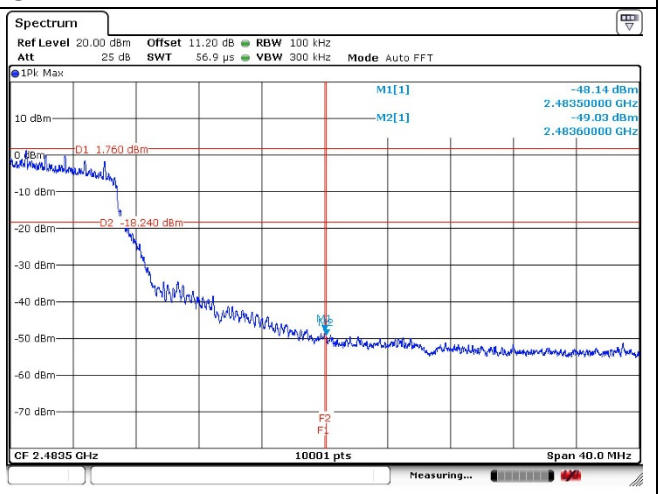


802.11g

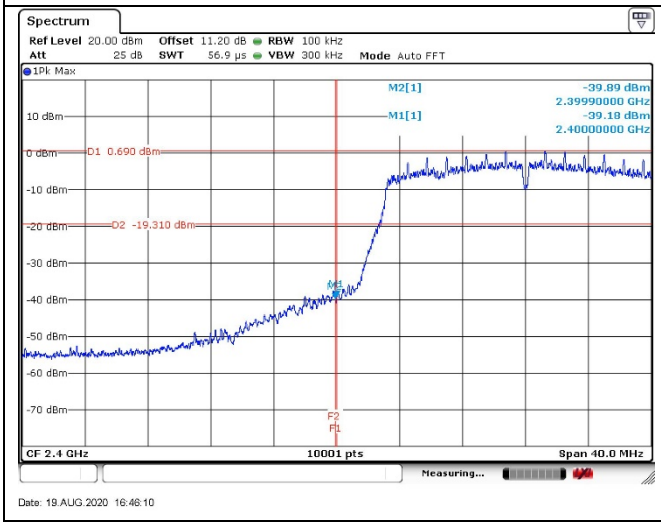
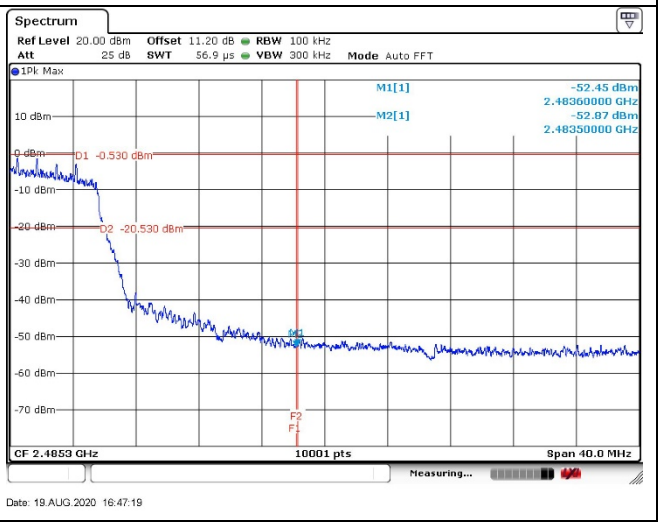
CH1



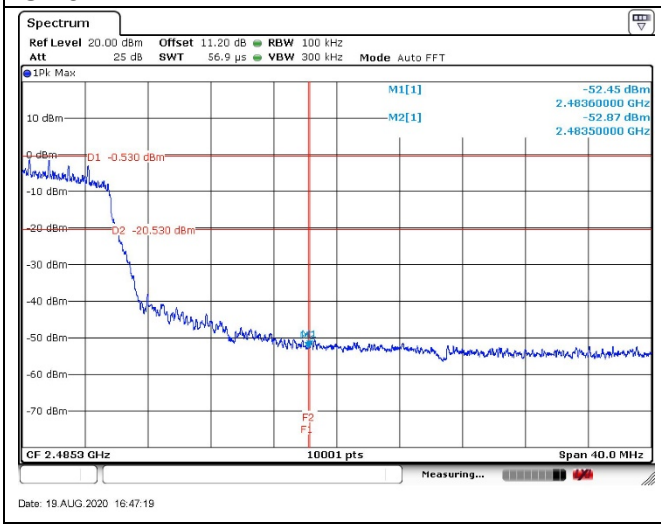
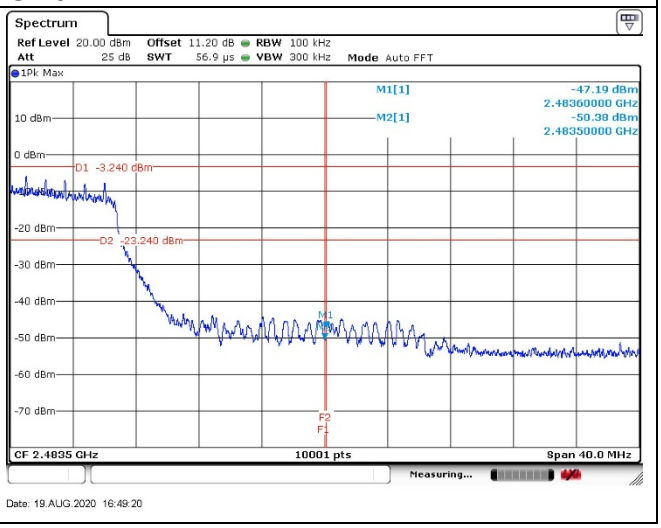
CH11



802.11n (HT20)

CH1	CH11
	

802.11n (HT40)

CH3	CH9
	

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

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

Sample calculation: (110.83 dBuV/m) = (76.83 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	110.83	76.83	N/A	N/A	8.90	25.10
2	2390	56.79	22.79	-17.21	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	102.48	68.48	N/A	N/A	8.90	25.10
2	2390	55.38	21.38	-18.62	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	98.88	64.88	N/A	N/A	8.90	25.10
2	2390	40.13	6.13	-13.87	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	90.58	56.58	N/A	N/A	8.90	25.10
2	2390	40.73	6.73	-13.27	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	110.07	76.07	N/A	N/A	8.90	25.10
2	2483.5	55.47	21.47	-18.53	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	101.09	67.09	N/A	N/A	8.90	25.10
2	2483.5	56.03	22.03	-17.97	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	98.73	64.73	N/A	N/A	8.90	25.10
2	2483.5	39.61	5.61	-14.39	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	91.96	57.96	N/A	N/A	8.90	25.10
2	2483.5	41.66	7.66	-12.34	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	111.26	77.26	N/A	N/A	8.90	25.10
2	2390	56.61	22.61	-17.39	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	102.23	68.23	N/A	N/A	8.90	25.10
2	2390	56.67	22.67	-17.33	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	99.16	65.16	N/A	N/A	8.90	25.10
2	2390	37.35	3.35	-16.65	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	91.68	57.68	N/A	N/A	8.90	25.10
2	2390	41.87	7.87	-12.13	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	110.74	76.74	N/A	N/A	8.90	25.10
2	2483.5	57.06	23.06	-16.94	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	102.48	68.48	N/A	N/A	8.90	25.10
2	2483.5	54.89	20.89	-19.11	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	98.24	64.24	N/A	N/A	8.90	25.10
2	2483.5	39.42	5.42	-14.58	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	92.56	58.56	N/A	N/A	8.90	25.10
2	2483.5	40.73	6.73	-13.27	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
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 (dB)
1	2412	109.88	75.88	N/A	N/A	8.90	25.10
2	2390	55.97	21.97	-18.03	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
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 (dB)
1	2412	102.86	68.86	N/A	N/A	8.90	25.10
2	2390	57.11	23.11	-16.89	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
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 (dB)
1	2412	98.90	64.90	N/A	N/A	8.90	25.10
2	2390	37.67	3.67	-16.33	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
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 (dB)
1	2412	91.98	57.98	N/A	N/A	8.90	25.10
2	2390	41.14	7.14	-12.86	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
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 (dB)
1	2462	110.98	76.98	N/A	N/A	8.90	25.10
2	2483.5	56.64	22.64	-17.36	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
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 (dB)
1	2462	99.97	65.97	N/A	N/A	8.90	25.10
2	2483.5	56.92	22.92	-17.08	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
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 (dB)
1	2462	98.80	64.80	N/A	N/A	8.90	25.10
2	2483.5	37.72	3.72	-16.28	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
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 (dB)
1	2462	91.08	57.08	N/A	N/A	8.90	25.10
2	2483.5	40.79	6.79	-13.21	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
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 (dB)
1	2412	111.43	77.43	N/A	N/A	8.90	25.10
2	2390	55.19	21.19	-18.81	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
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 (dB)
1	2412	101.52	67.52	N/A	N/A	8.90	25.10
2	2390	54.66	20.66	-19.34	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
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 (dB)
1	2412	99.06	65.06	N/A	N/A	8.90	25.10
2	2390	38.39	4.39	-15.61	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:3
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 (dB)
1	2412	90.18	56.18	N/A	N/A	8.90	25.10
2	2390	41.76	7.76	-12.24	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
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 (dB)
1	2462	109.88	75.88	N/A	N/A	8.90	25.10
2	2483.5	54.79	20.79	-19.21	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
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 (dB)
1	2462	103.97	69.97	N/A	N/A	8.90	25.10
2	2483.5	57.27	23.27	-16.73	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
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 (dB)
1	2462	98.69	64.69	N/A	N/A	8.90	25.10
2	2483.5	37.80	3.80	-16.20	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:9
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 (dB)
1	2462	91.87	57.87	N/A	N/A	8.90	25.10
2	2483.5	41.24	7.24	-12.76	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: (15.26 dBμV/m) = (35.86 dBμV) + (-20.6 dB/m), the corresponding frequency is **43.677000**MHz.
The worst case attitude: The mobile lay down.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.428	20.23	-17.3	37.53	Vertical	40
82.5915	30.69	-23.1	53.79	Vertical	40
172.633	20.64	-20.5	41.14	Vertical	43.5
174.0395	20.15	-20.4	40.55	Vertical	43.5
495.9825	13.49	-9.4	22.89	Vertical	46
896.578	20.02	-1.6	21.62	Vertical	46

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.383	19.47	-17.3	36.77	Vertical	40
82.2315	30.75	-23.2	53.95	Vertical	40
172.3565	19.48	-20.5	39.98	Vertical	43.5
173.917	19.78	-20.4	40.18	Vertical	43.5
517.856	14.49	-8.8	23.29	Vertical	46
926.7195	20.92	-1.1	22.02	Vertical	46

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.3975	19.93	-17.3	37.23	Vertical	40
82.212	30.34	-23.2	53.54	Vertical	40
172.604	19.7	-20.5	40.2	Vertical	43.5
175.0545	19.15	-20.4	39.55	Vertical	43.5
499.2465	13.72	-9.3	23.02	Vertical	46
888.3135	19.76	-1.7	21.46	Vertical	46

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.446	19.35	-17.3	36.65	Vertical	40
82.4	28.69	-23.1	51.79	Vertical	40
171.537	19.6	-20.6	40.2	Vertical	43.5
177.985	17.15	-20.3	37.45	Vertical	43.5
544.4935	14.93	-8.1	23.03	Vertical	46
947.0435	21.05	-0.9	21.95	Vertical	46

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
49.637	18.01	-17.1	35.11	Vertical	40
81.6555	29.1	-23.4	52.5	Vertical	40
171.338	19.03	-20.6	39.63	Vertical	43.5
174.3185	19.33	-20.4	39.73	Vertical	43.5
548.422	14.98	-8	22.98	Vertical	46
931.002	20.94	-1.1	22.04	Vertical	46

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
52.6585	20.04	-17.5	37.54	Vertical	40
82.8705	30.52	-23	53.52	Vertical	40
172.2595	20.47	-20.5	40.97	Vertical	43.5
173.34	20.04	-20.5	40.54	Vertical	43.5
555.6375	15	-7.8	22.8	Vertical	46
942.3075	21.05	-0.9	21.95	Vertical	46

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
49.038	17.81	-17.2	35.01	Vertical	40
81.744	30.58	-23.4	53.98	Vertical	40
171.646	19.97	-20.5	40.47	Vertical	43.5
175.491	19.58	-20.4	39.98	Vertical	43.5
553.6975	15.1	-7.8	22.9	Vertical	46
908.344	20.44	-1.4	21.84	Vertical	46

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
52.6355	21.45	-17.5	38.95	Vertical	40
81.692	29.66	-23.4	53.06	Vertical	40
172.8235	20.48	-20.5	40.98	Vertical	43.5
172.969	20.44	-20.5	40.94	Vertical	43.5
521.125	14.52	-8.8	23.32	Vertical	46
883.129	19.72	-1.8	21.52	Vertical	46

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
52.541	21.5	-17.5	39	Vertical	40
80.848	29.25	-23.7	52.95	Vertical	40
173.3035	20.54	-20.5	41.04	Vertical	43.5
173.4855	20.46	-20.4	40.86	Vertical	43.5
533.148	14.88	-8.4	23.28	Vertical	46
945.255	21.11	-0.9	22.01	Vertical	46

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
52.5215	21.27	-17.5	38.77	Vertical	40
80.1665	28.8	-23.9	52.7	Vertical	40
172.8695	20.63	-20.5	41.13	Vertical	43.5
174.242	19.83	-20.4	40.23	Vertical	43.5
547.84	14.99	-8	22.99	Vertical	46
937.0815	21.14	-1	22.14	Vertical	46

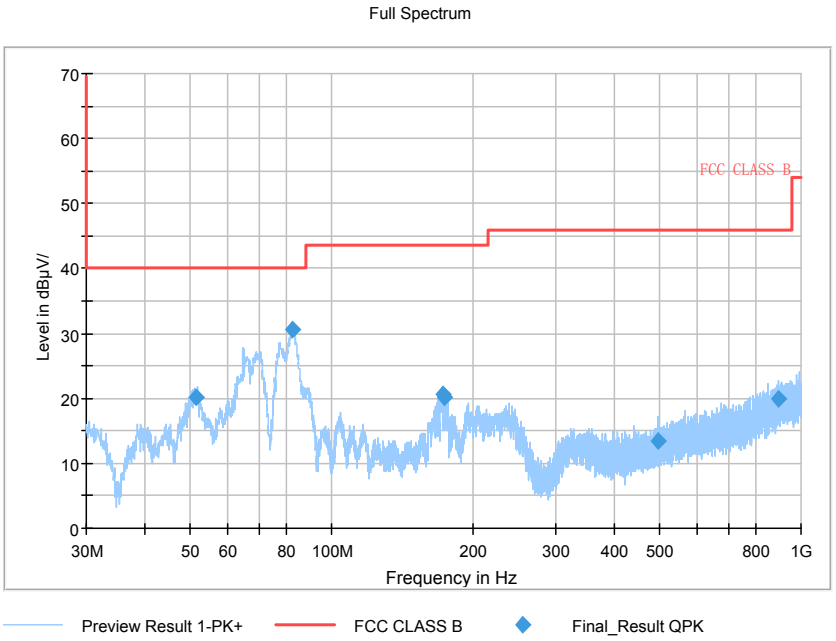
For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.018	20.05	-17.2	37.25	Vertical	40
83.0985	29.97	-22.9	52.87	Vertical	40
172.0255	20.5	-20.5	41	Vertical	43.5
175.5395	18.99	-20.4	39.39	Vertical	43.5
548.7275	14.96	-8	22.96	Vertical	46
956.627	20.94	-0.8	21.74	Vertical	46

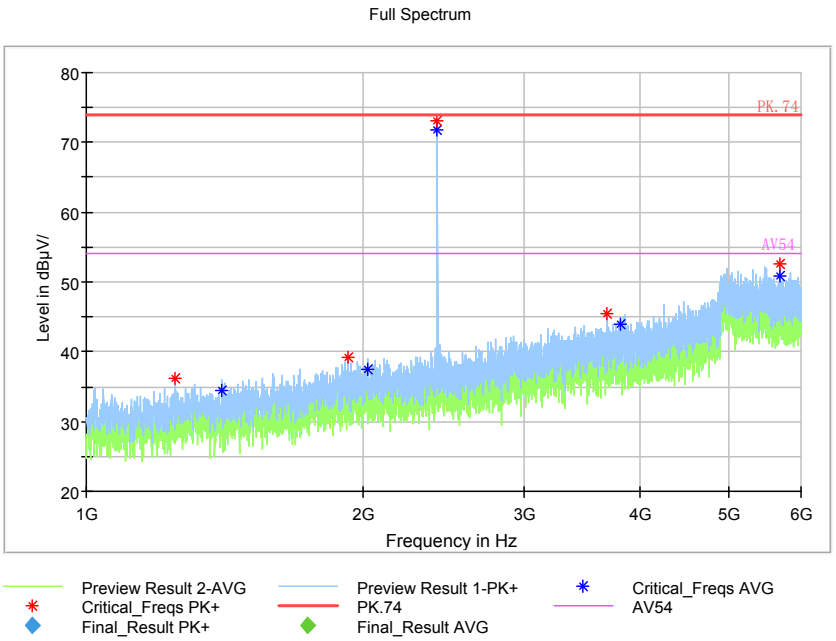
For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
51.3625	19.62	-17.3	36.92	Vertical	40
82.3055	30.53	-23.2	53.73	Vertical	40
173.335	20.51	-20.5	41.01	Vertical	43.5
173.3945	20.36	-20.5	40.86	Vertical	43.5
527.5525	14.69	-8.6	23.29	Vertical	46
953.112	20.95	-0.8	21.75	Vertical	46

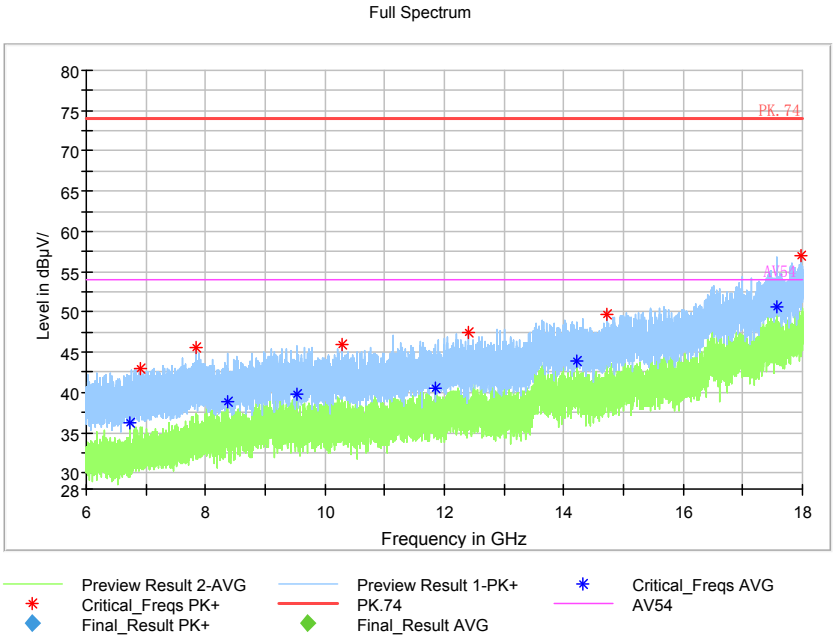
Carrier frequency (MHz): 2412
Channel No.:1



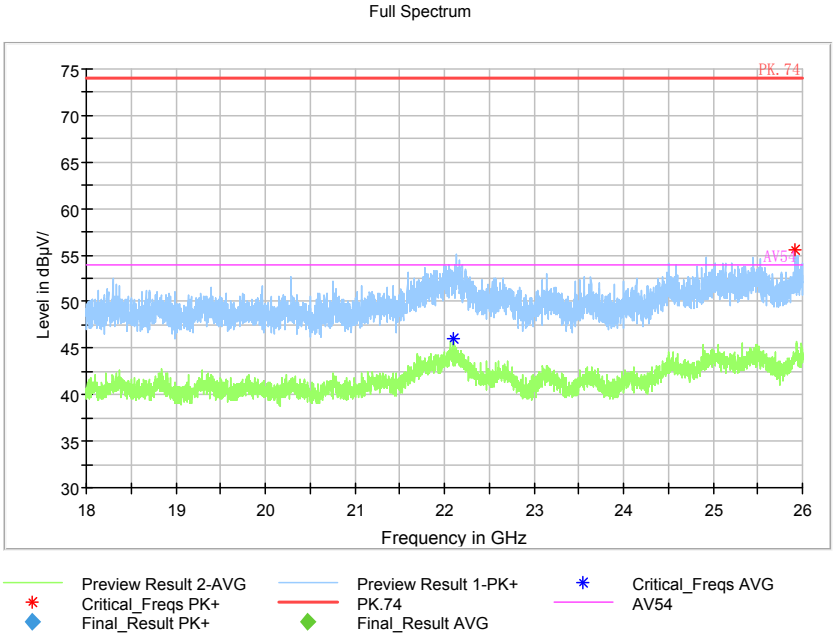
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



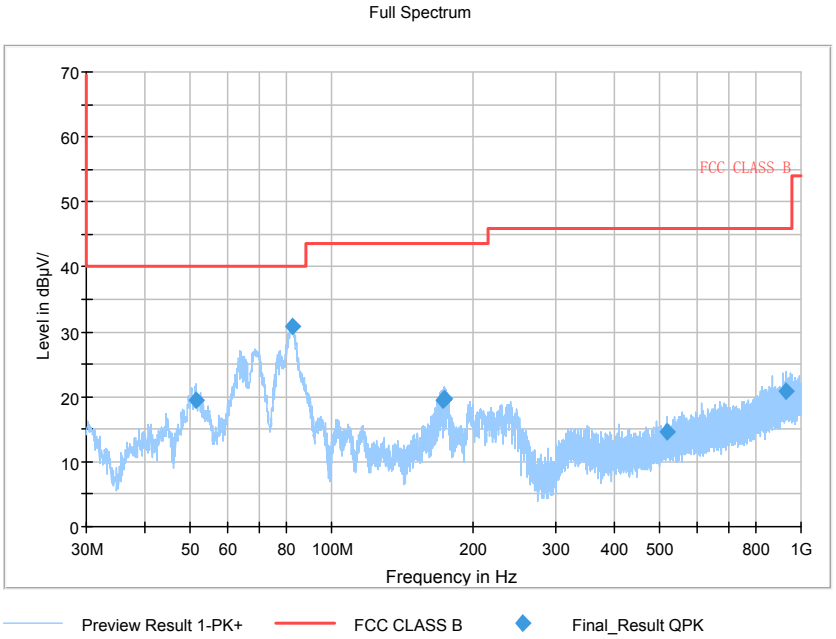
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



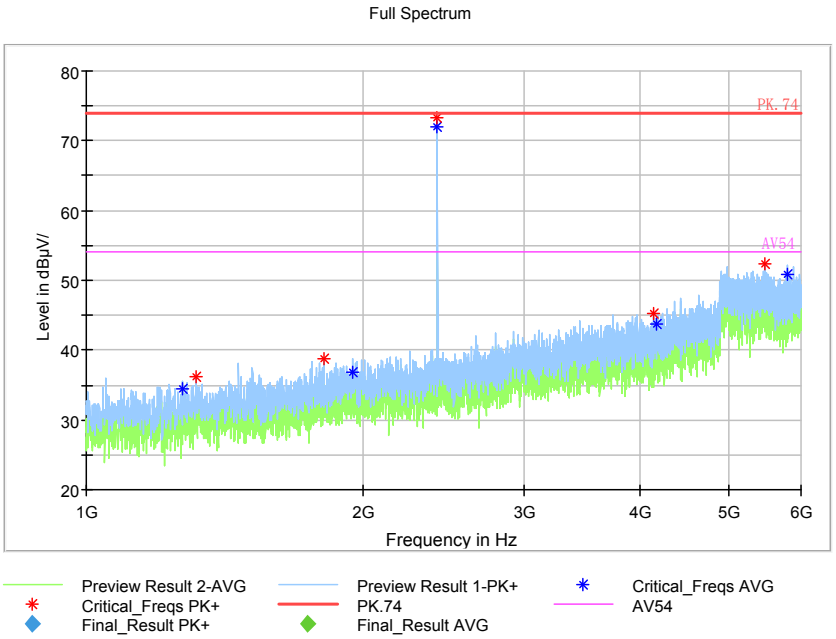
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



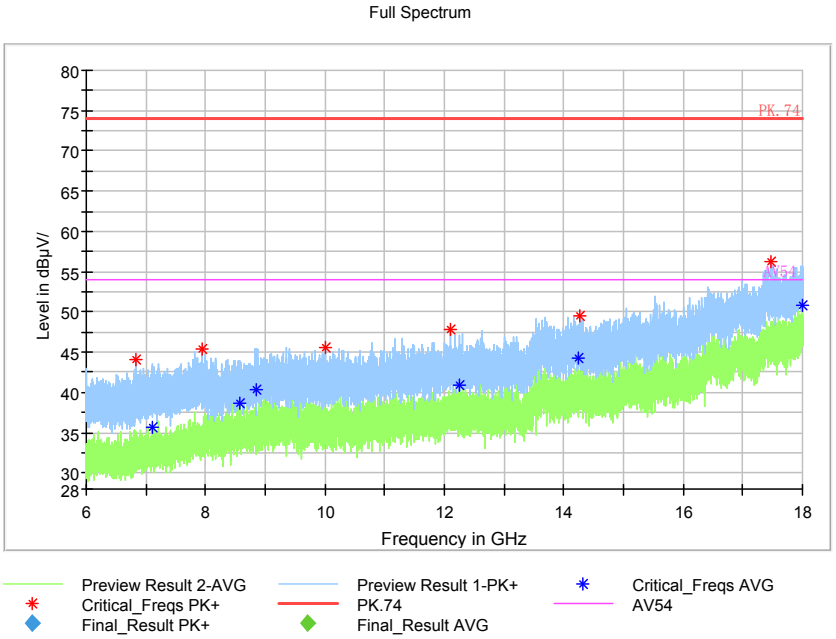
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



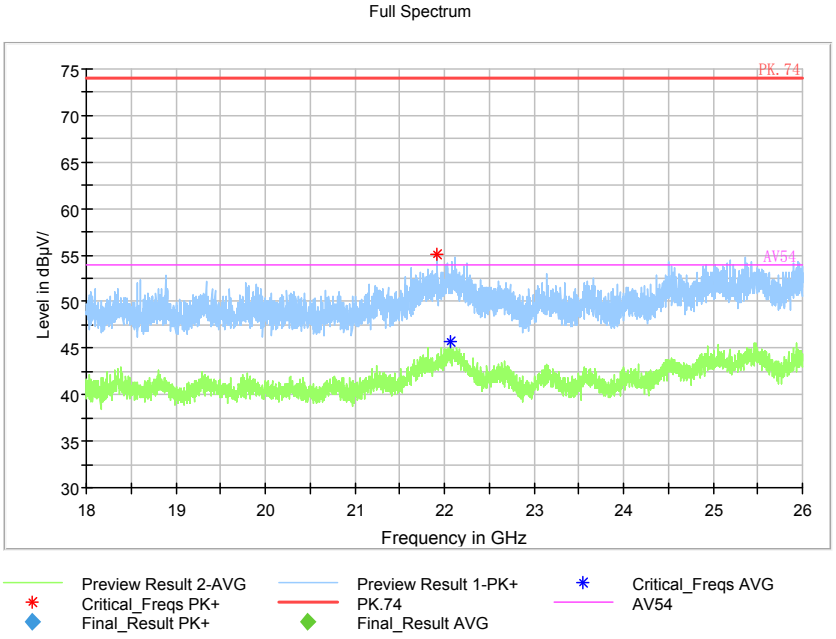
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



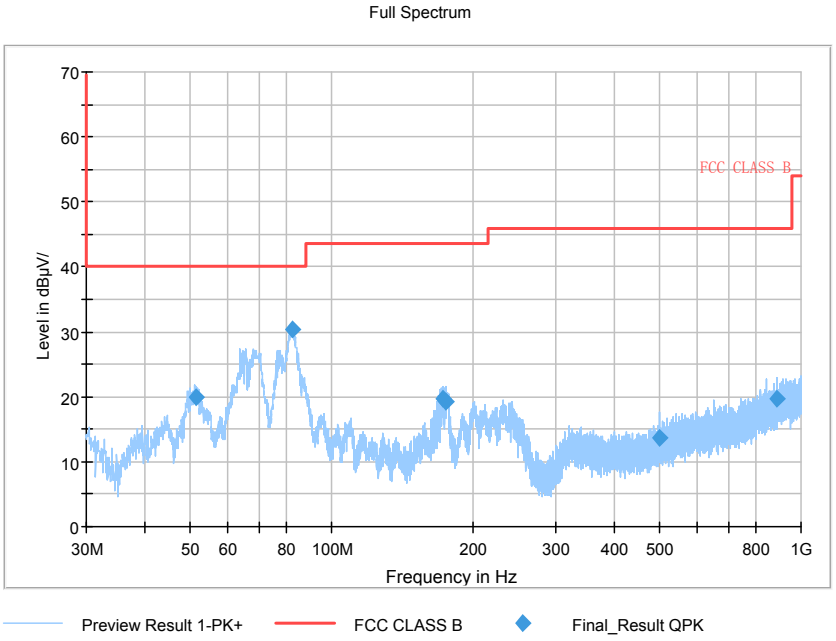
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



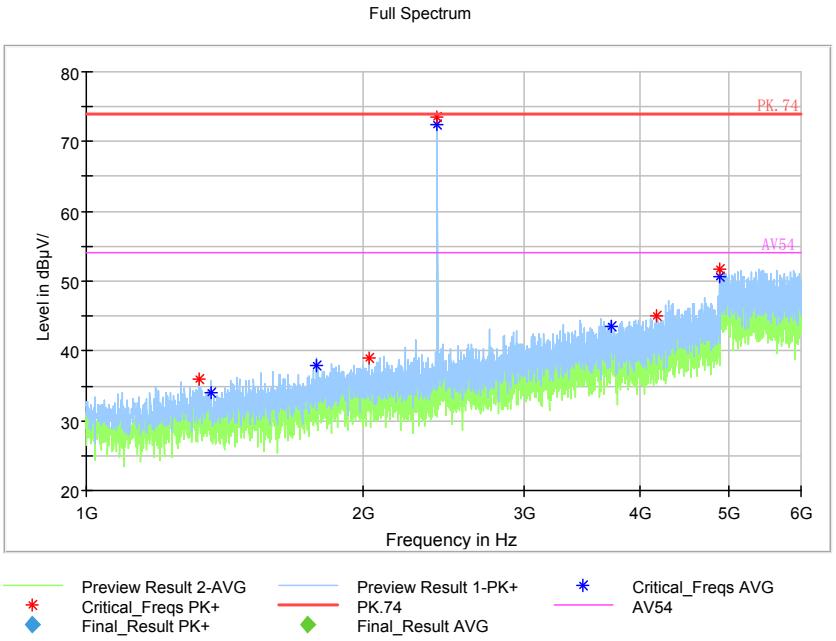
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



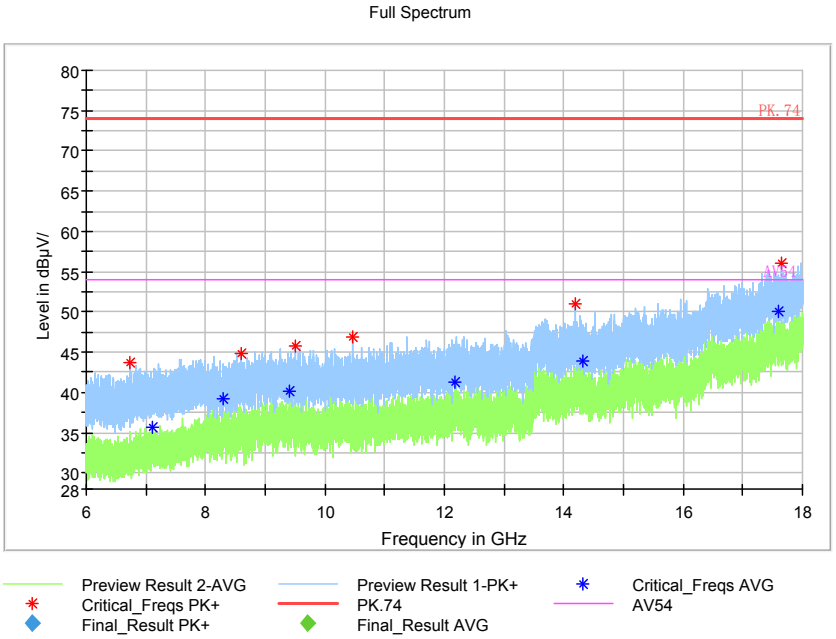
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



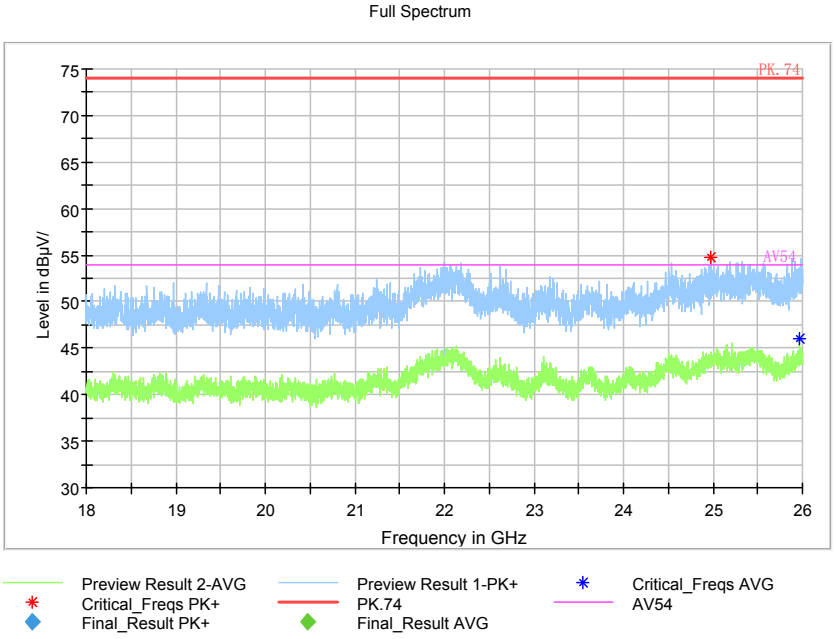
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

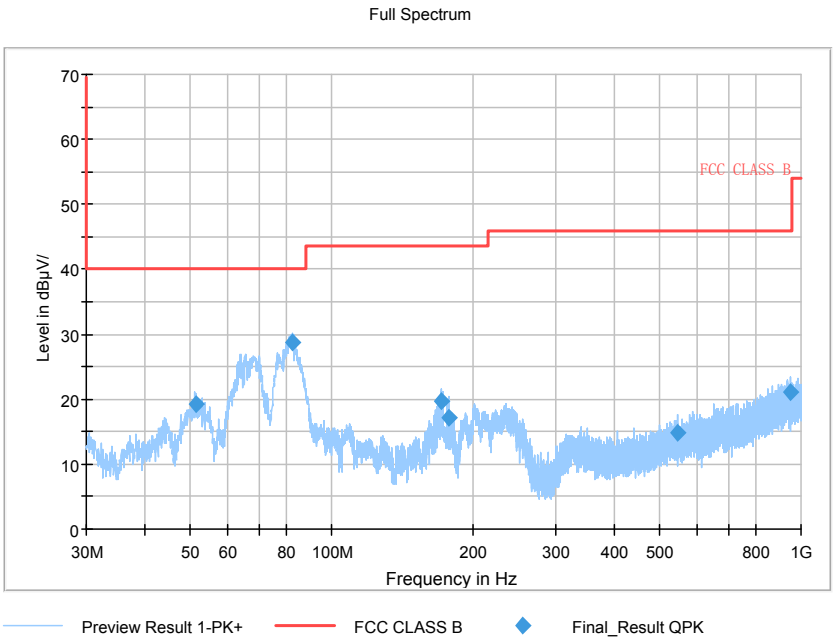


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

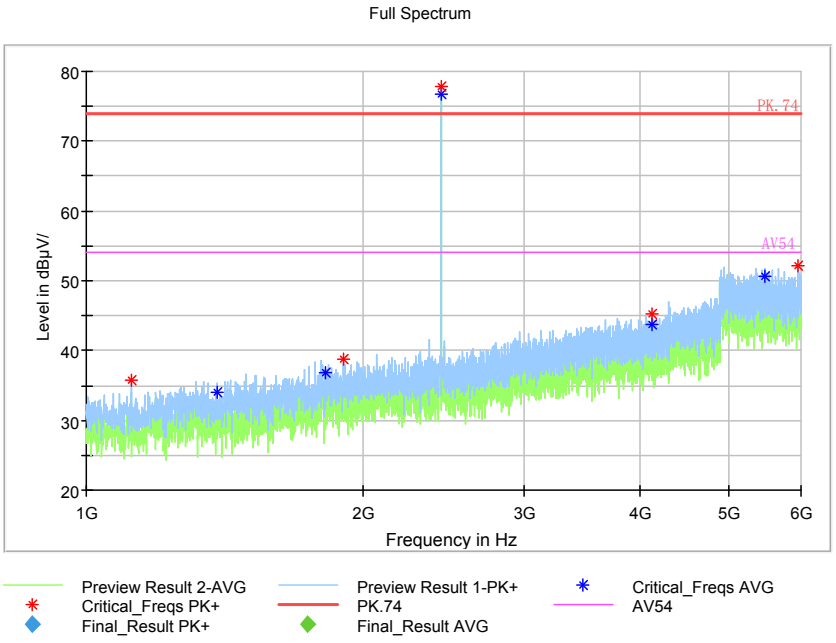


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

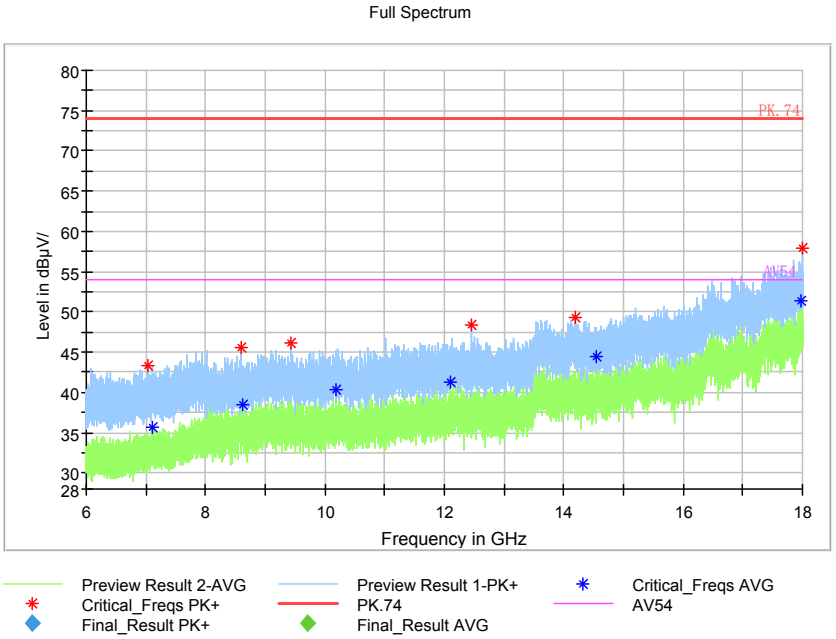
Carrier frequency (MHz): 2437
Channel No.:6



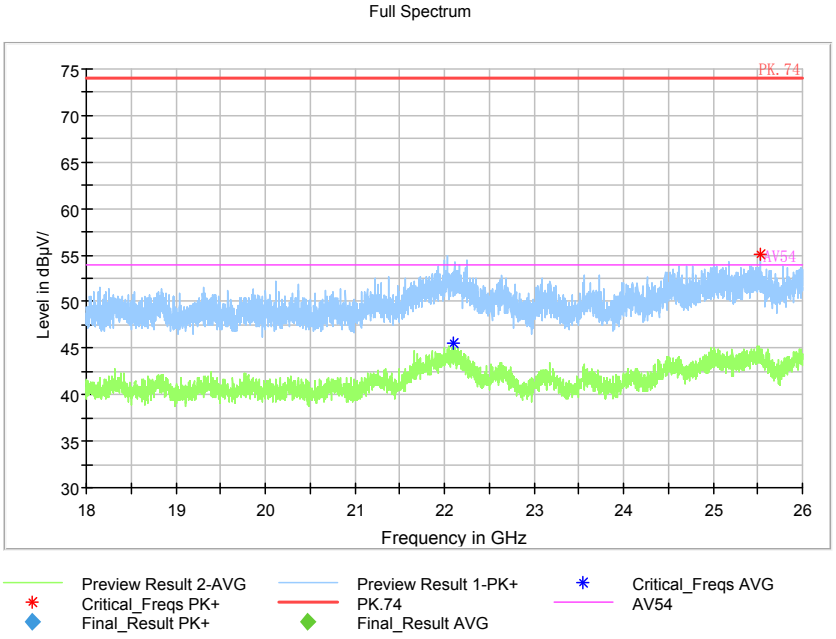
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



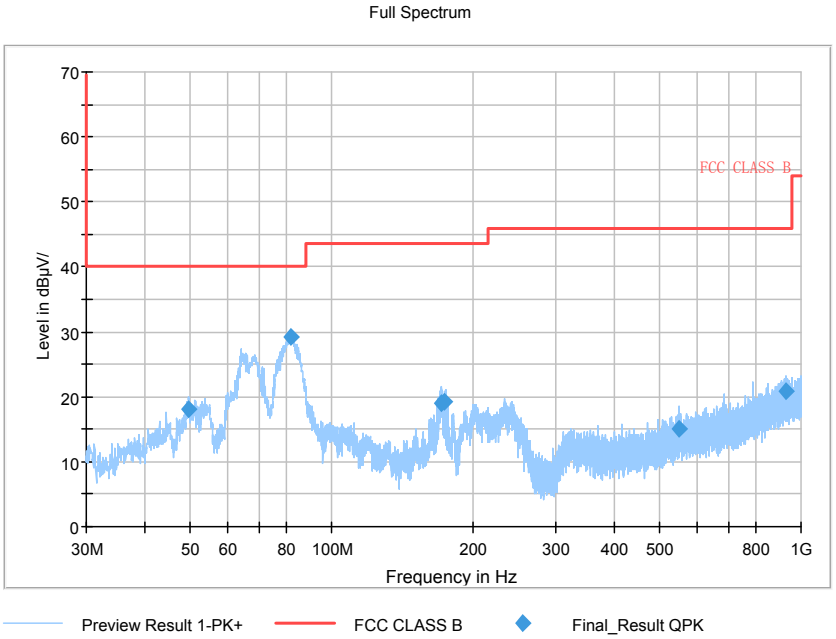
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



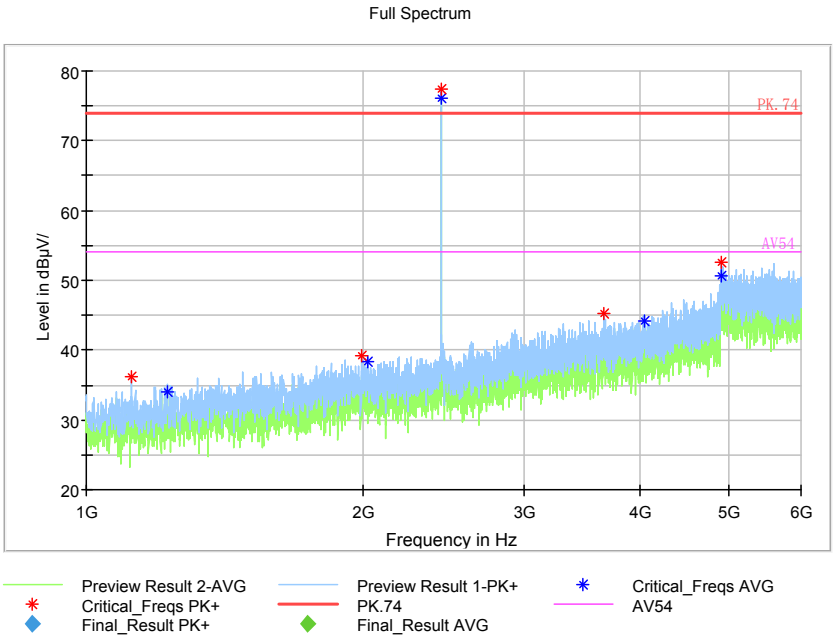
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



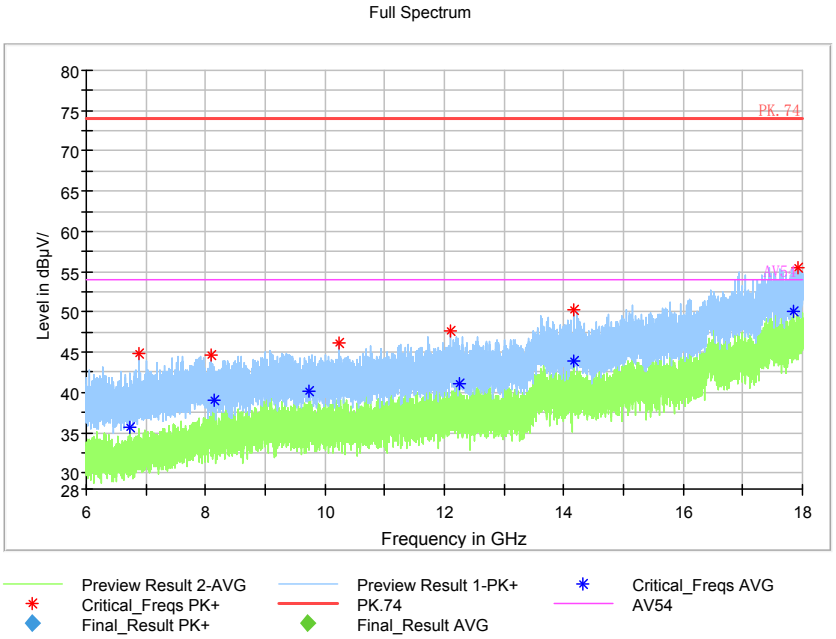
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



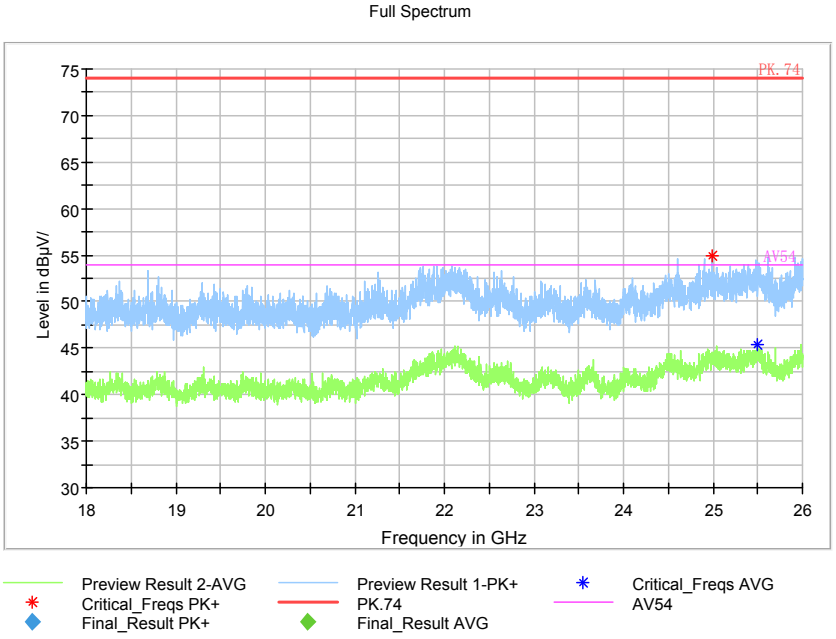
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



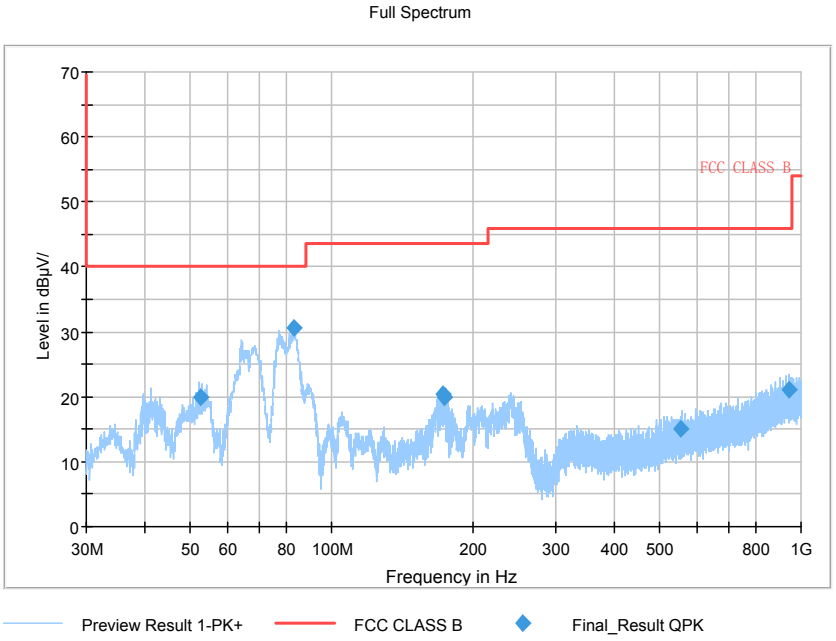
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



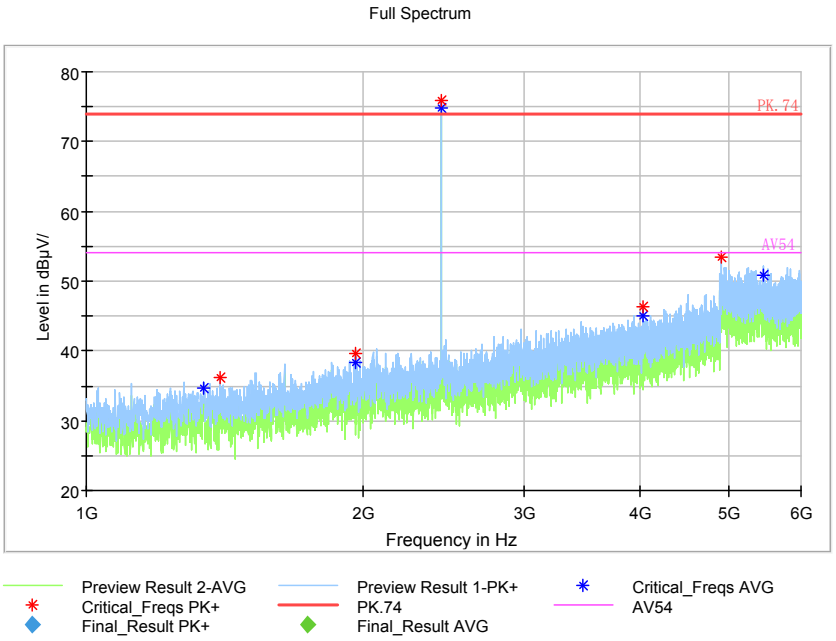
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



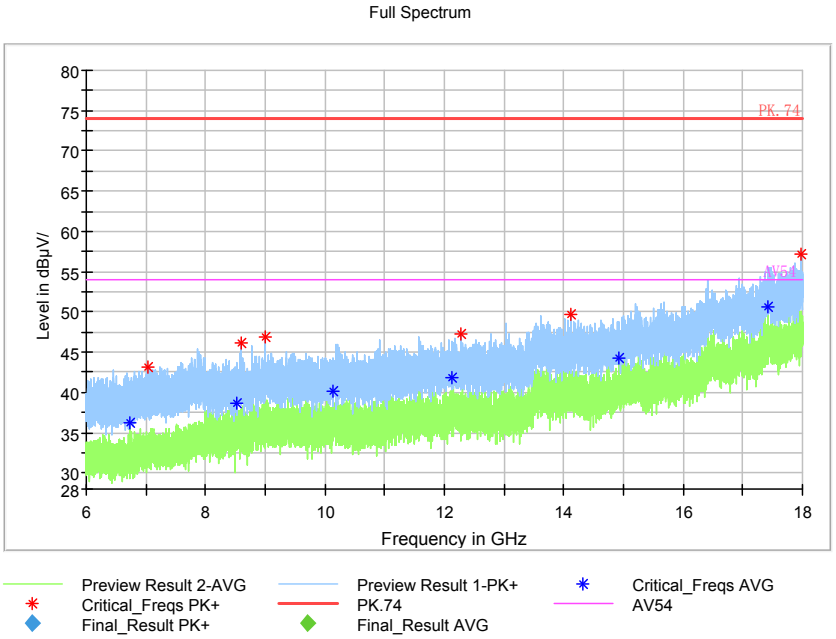
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



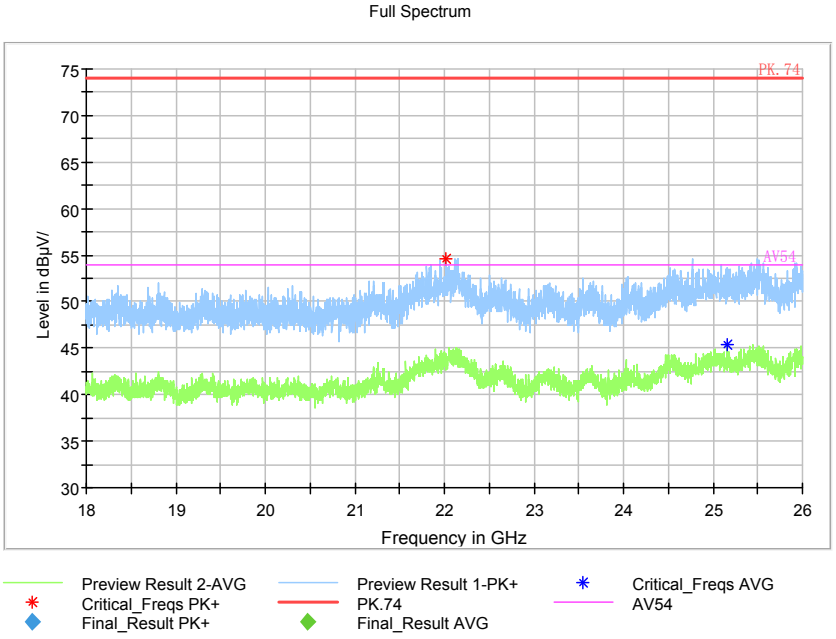
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



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

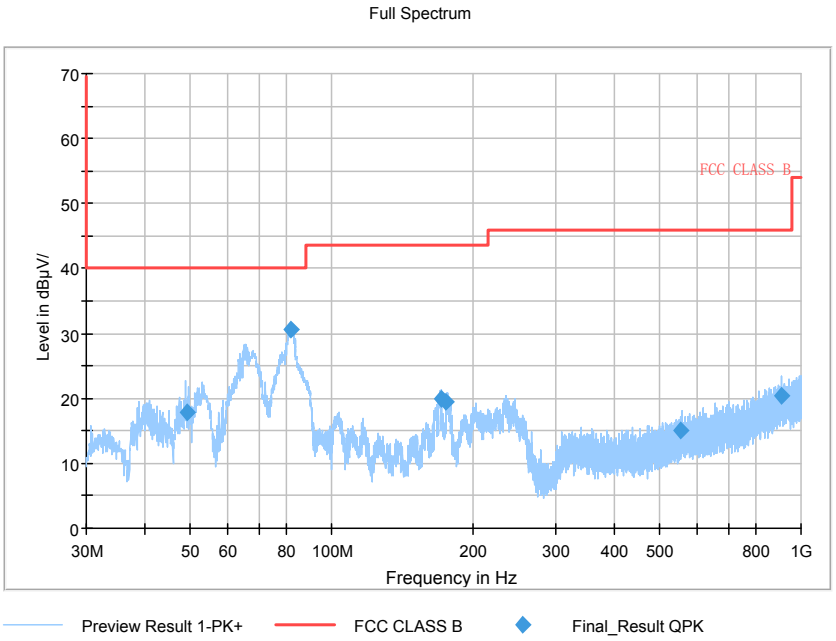


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

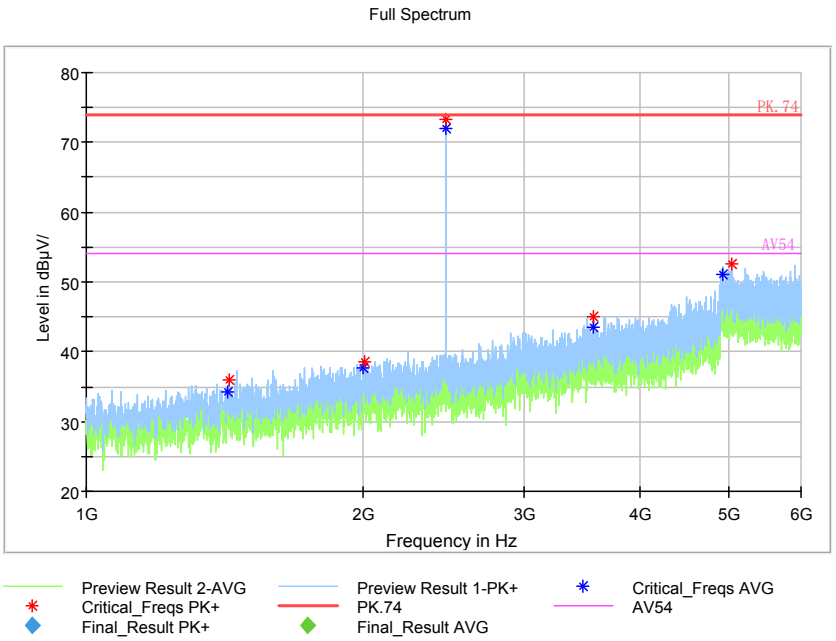


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

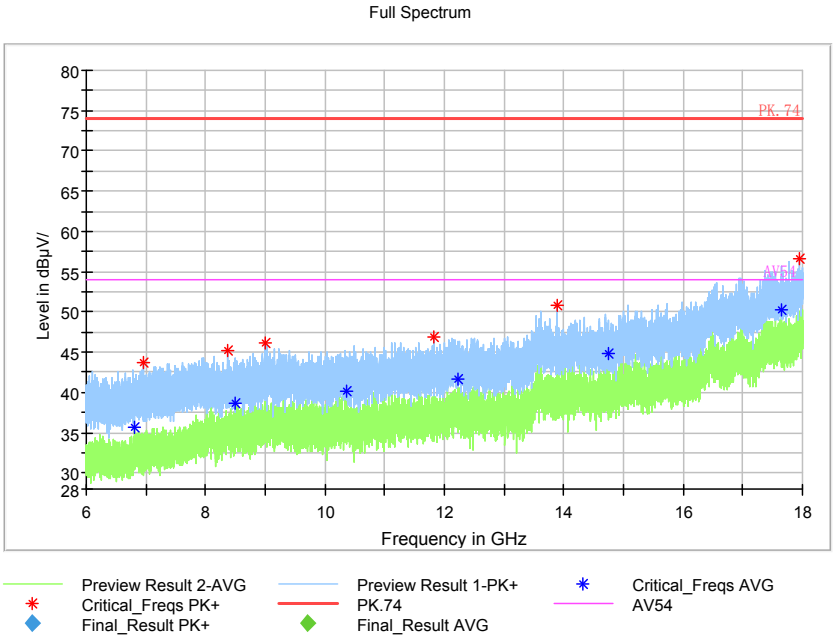
Carrier frequency (MHz): 2462
Channel No.:11



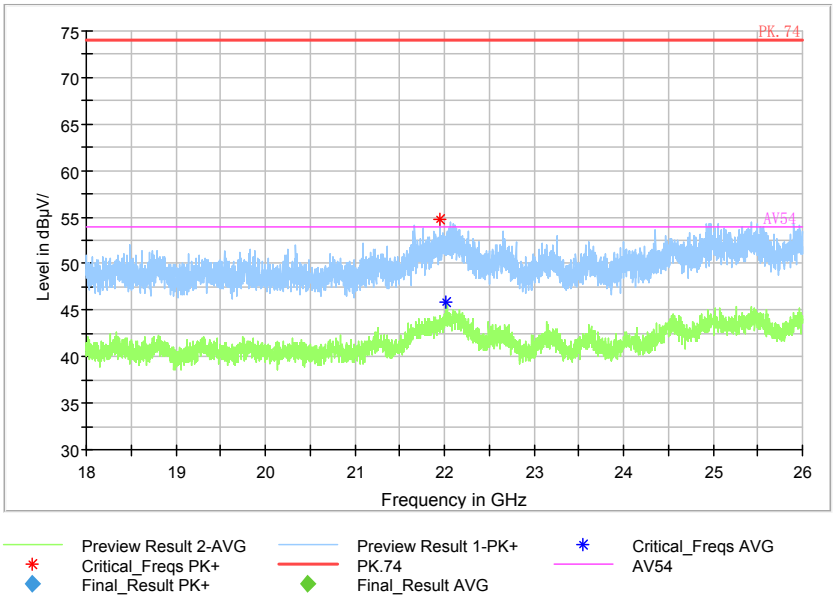
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b



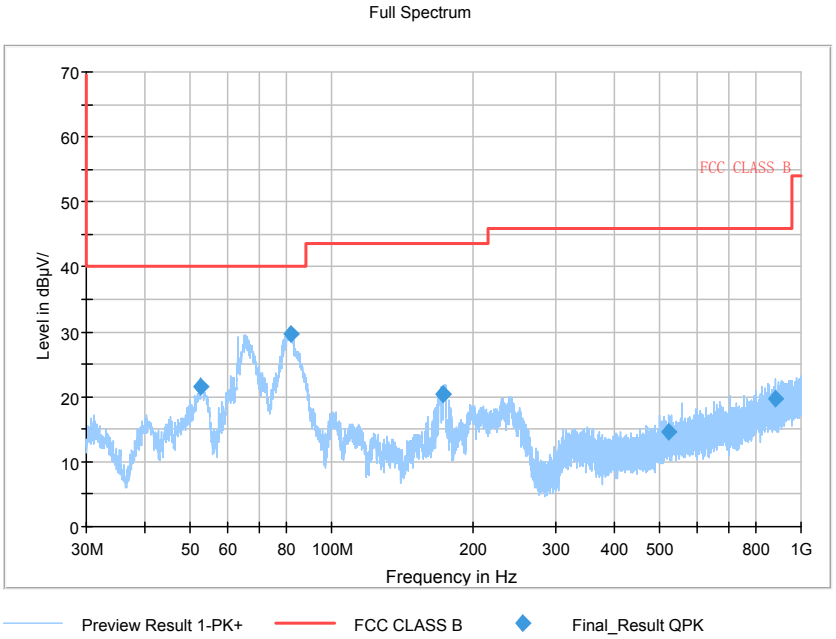
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



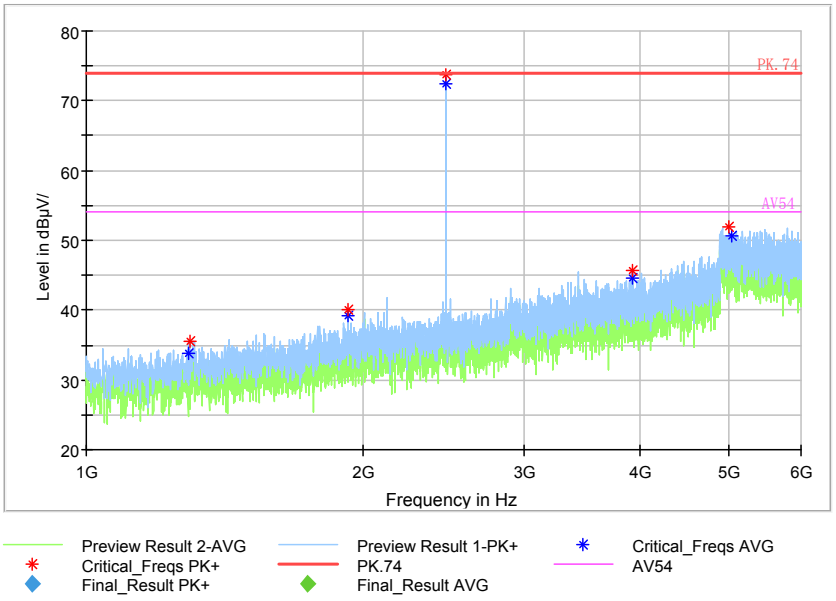
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



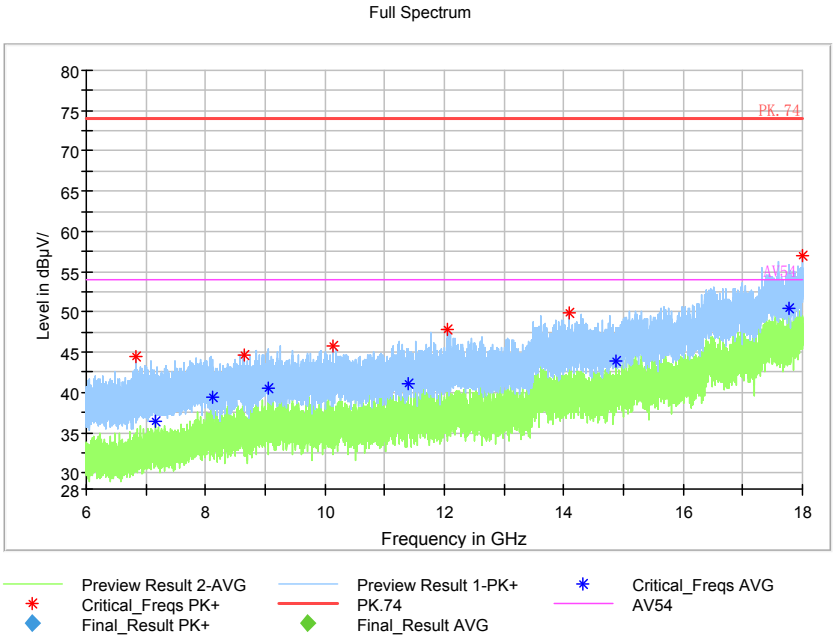
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



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

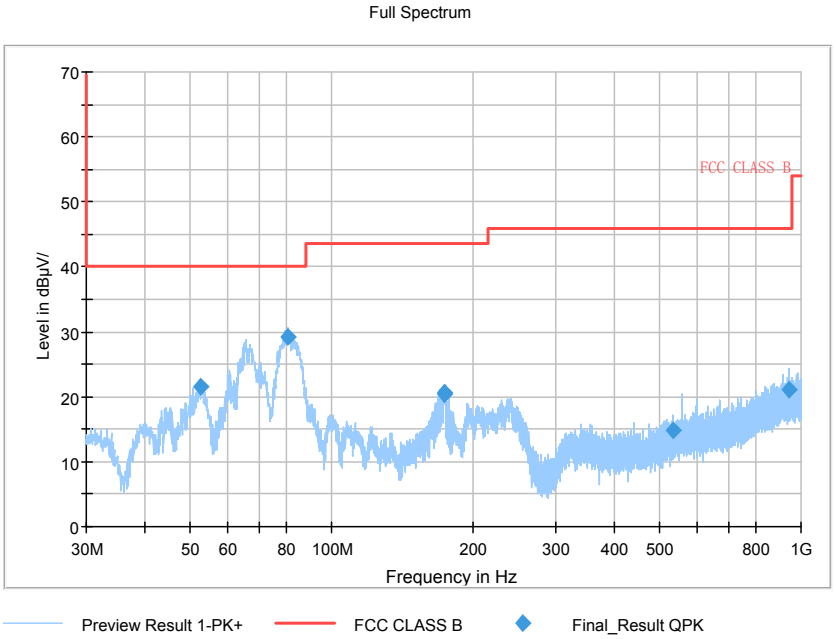


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

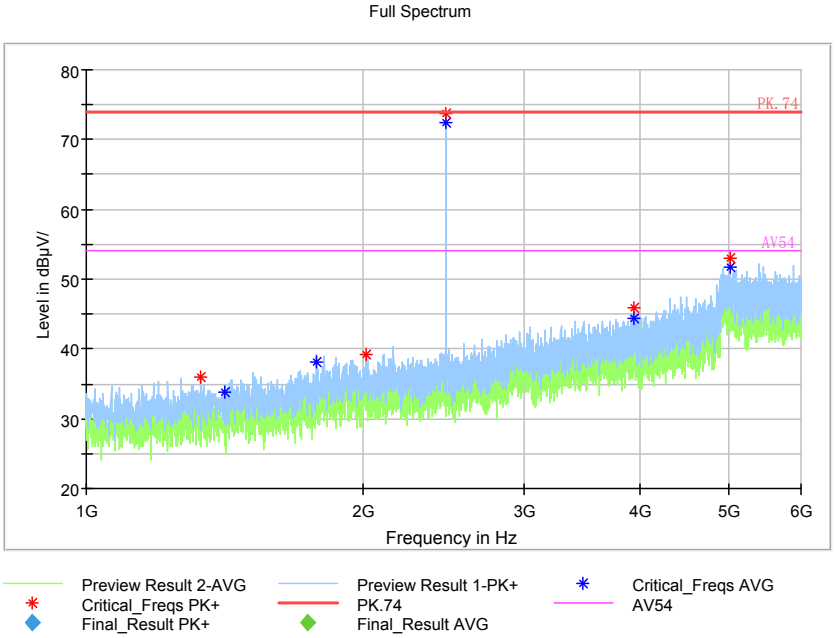


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

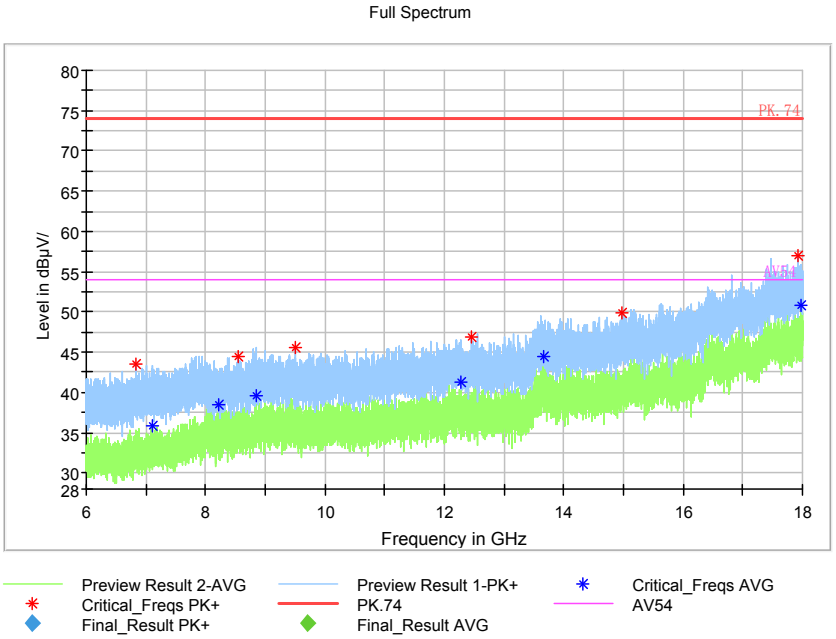
Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



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



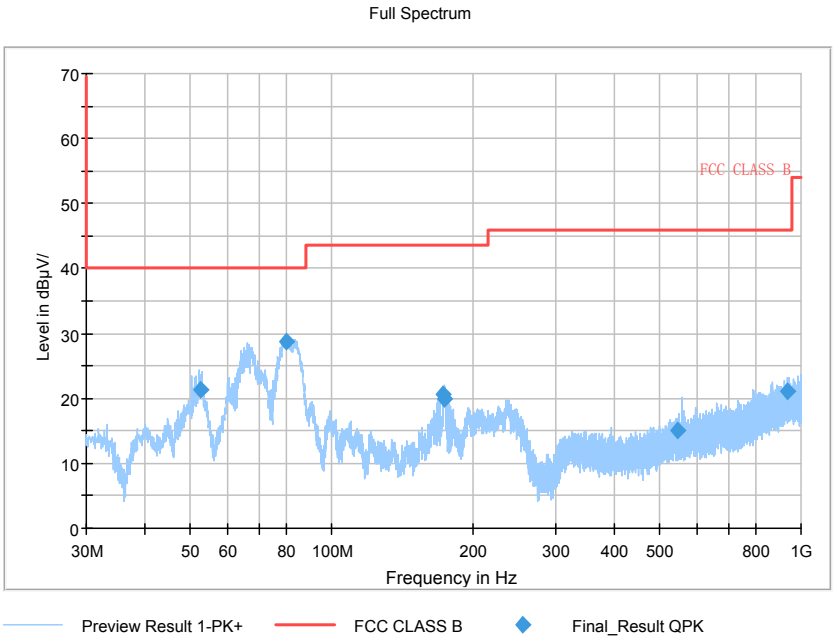
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



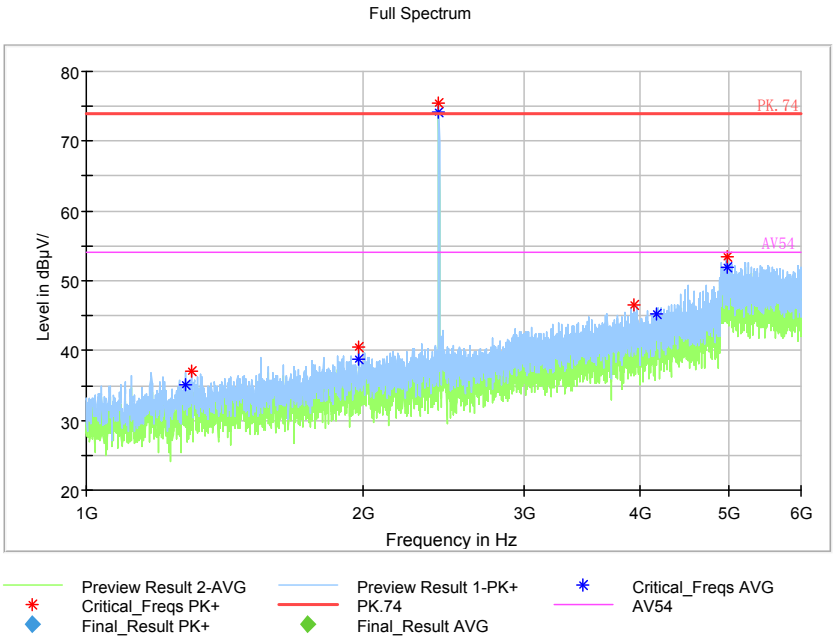
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

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

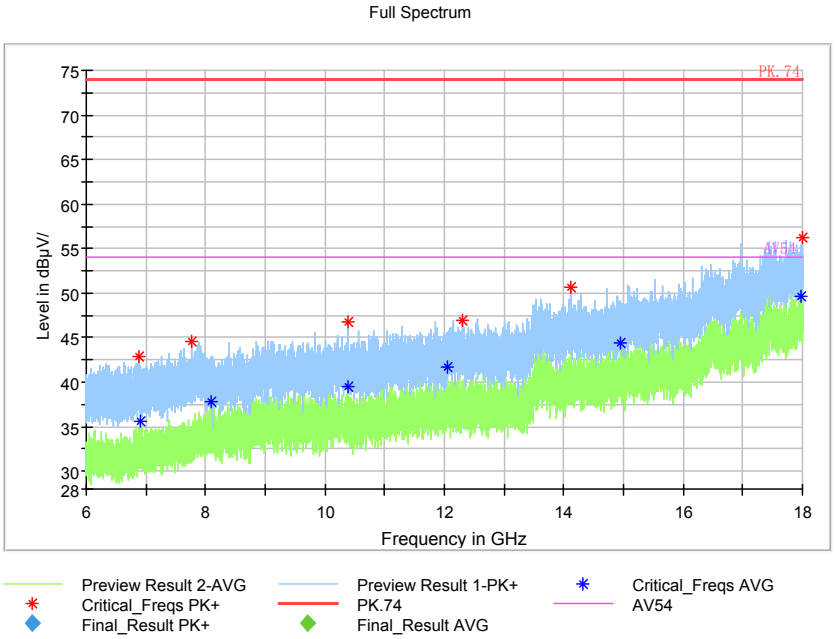
Carrier frequency (MHz): 2422
Channel No.:3



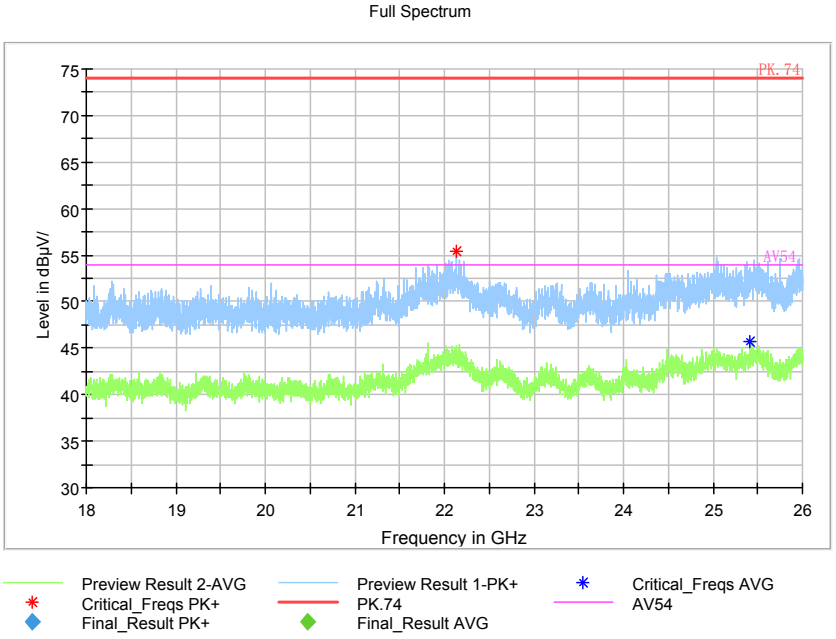
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

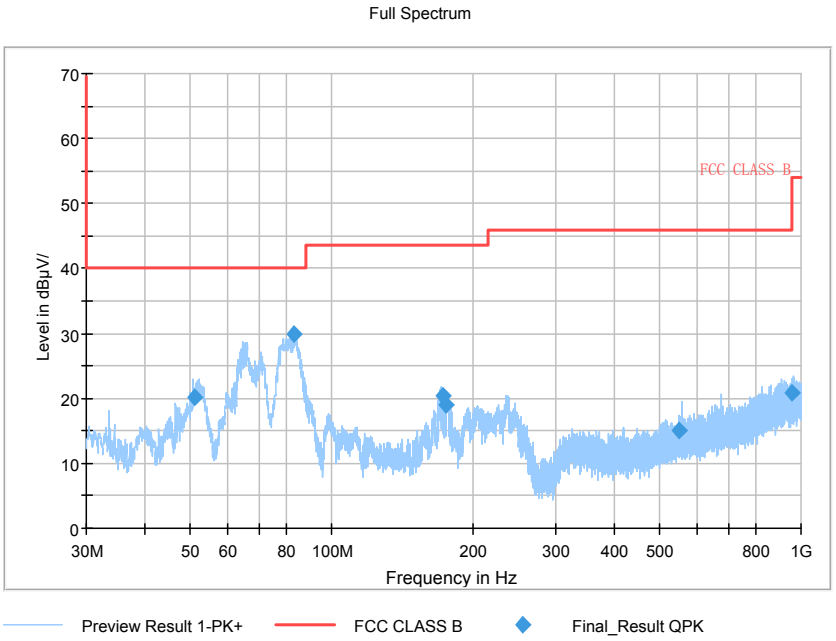


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

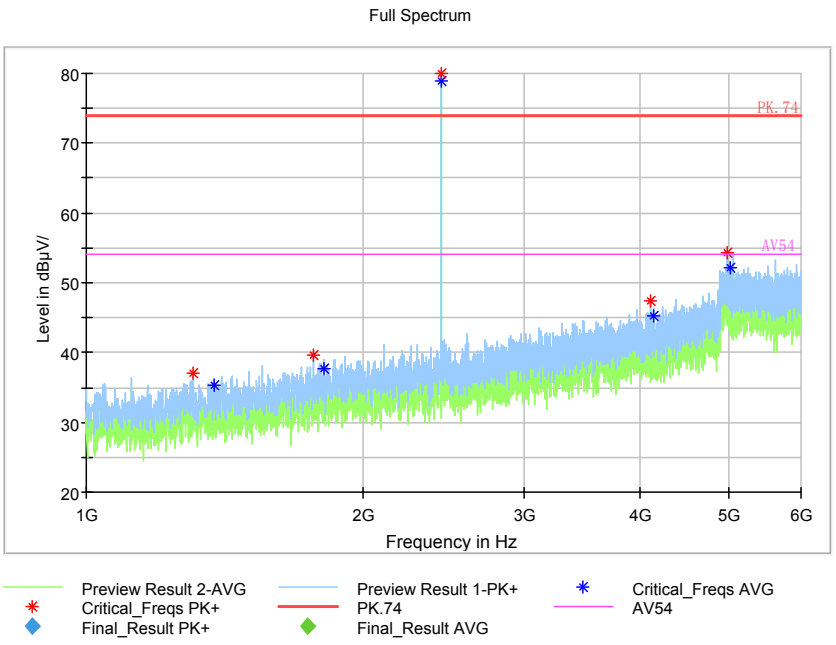


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

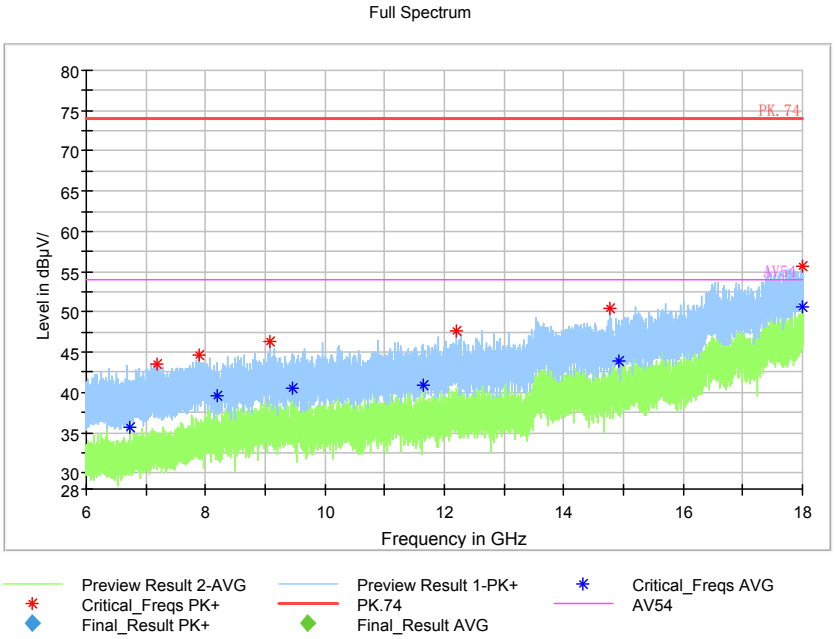
Carrier frequency (MHz): 2437
Channel No.:6



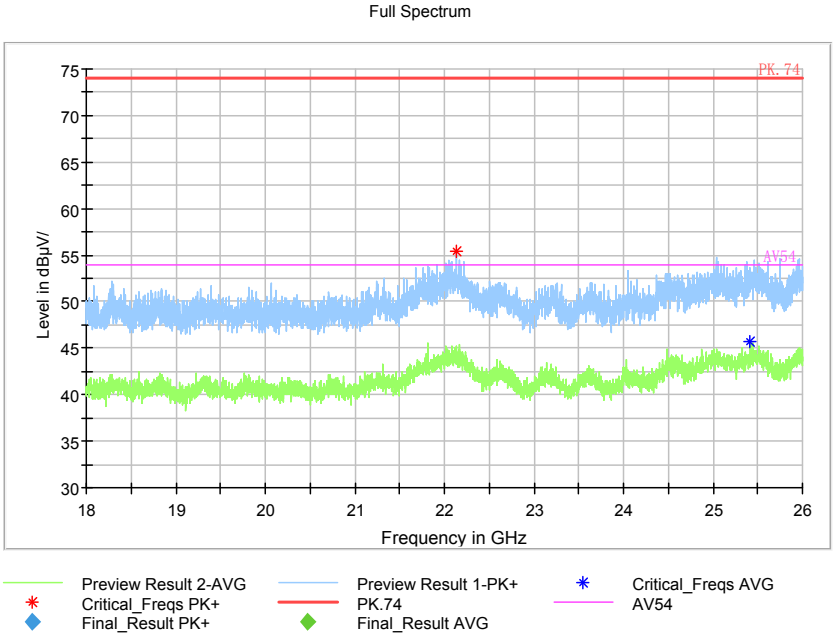
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)



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

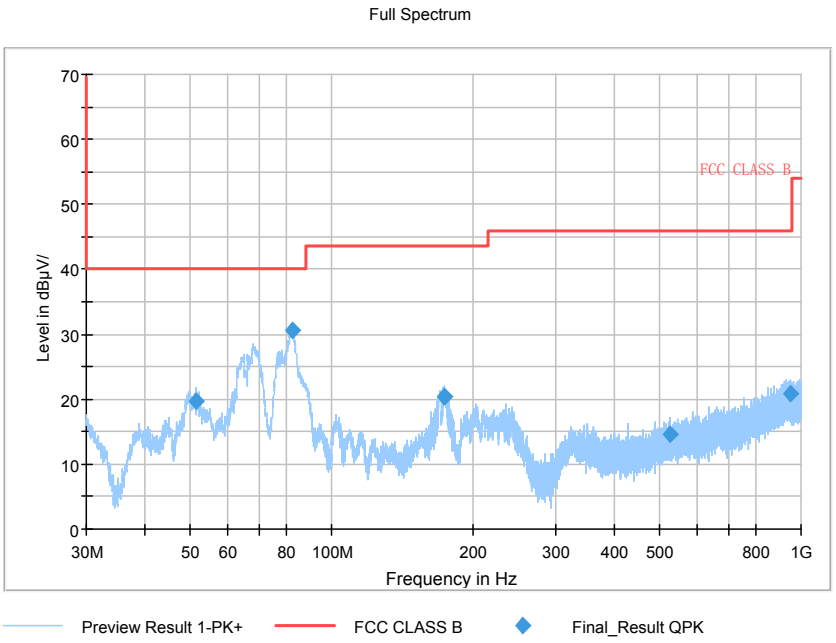


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

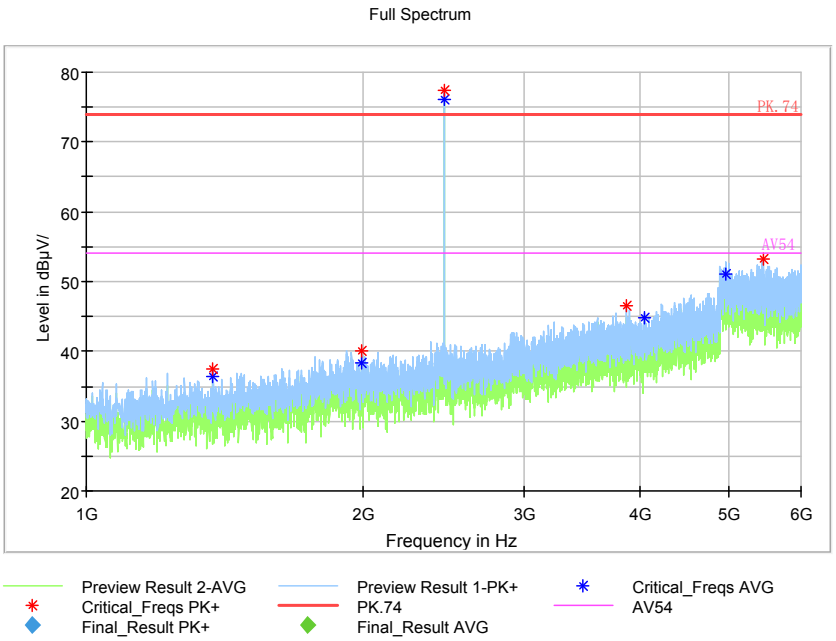


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

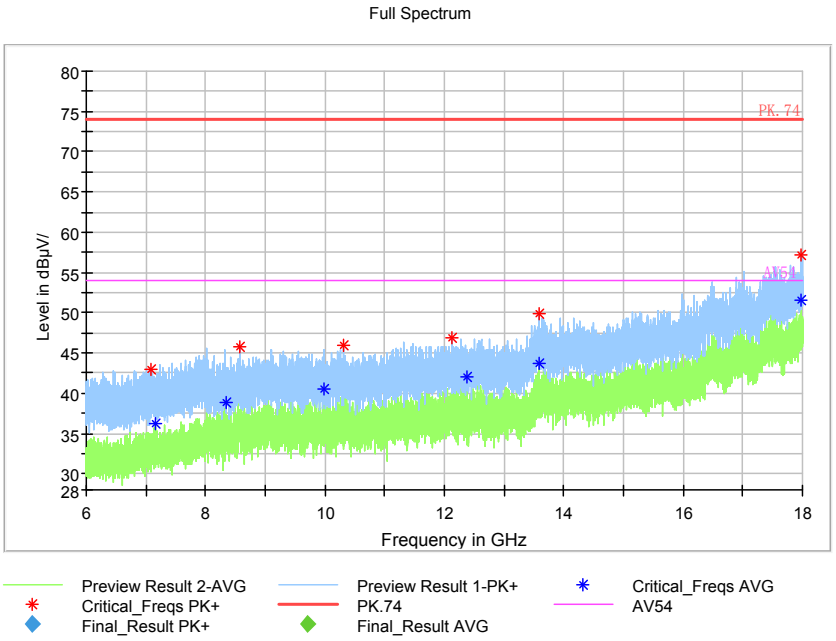
Carrier frequency (MHz): 2452
Channel No.:9



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



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



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

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

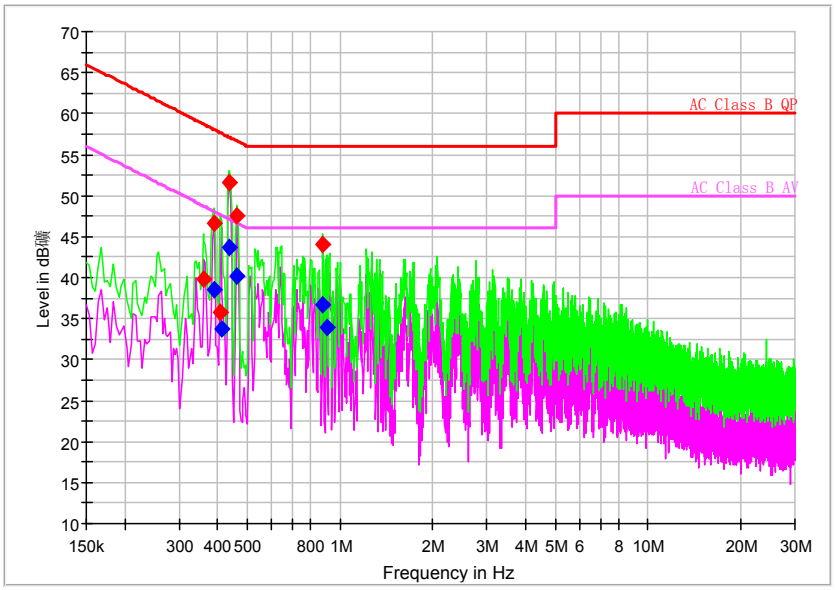
AC Power line Conducted Emission

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

The measurement results are obtained as described below:

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

Sample calculation: (39.75 dBμV) = (10.15 dBμV) + (29.6 dB), the corresponding frequency is 0.358950MHz.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pmea Quasi Peak (dBμV)	Pmea Average (dBμV)
0.358950	39.75	---	58.75	19.00	L1	29.6	10.15	---
0.388800	---	38.46	48.09	9.63	L1	29.6	---	8.86
0.388800	46.70	---	58.09	11.39	N	29.6	17.1	---
0.407456	35.69	---	57.70	22.01	L1	29.6	6.09	---
0.411188	---	33.67	47.62	13.95	N	29.6	---	4.07
0.437306	---	43.72	47.11	3.39	L1	29.6	---	14.12
0.437306	51.60	---	57.11	5.51	L1	29.6	22	---
0.463425	---	40.10	46.63	6.53	L1	29.6	---	10.5
0.463425	47.47	---	56.63	9.16	L1	29.6	17.87	---
0.881325	---	36.75	46.00	9.25	L1	29.6	---	7.15
0.881325	44.06	---	56.00	11.94	L1	29.6	14.46	---
0.903712	---	34.01	46.00	11.99	L1	29.7	---	4.31

---End of Test Report---