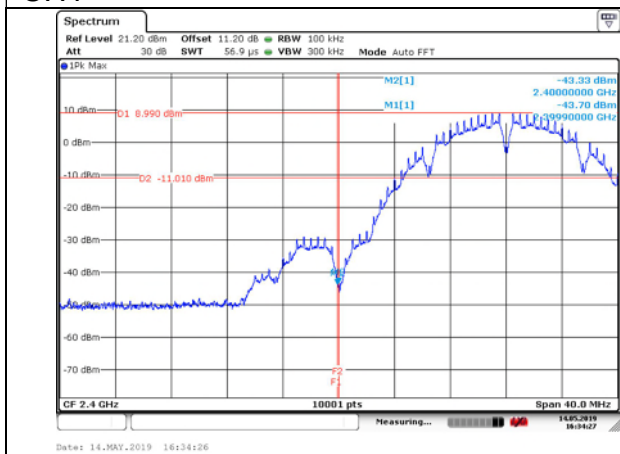


Band edge measurement (RF Conducted measurement)

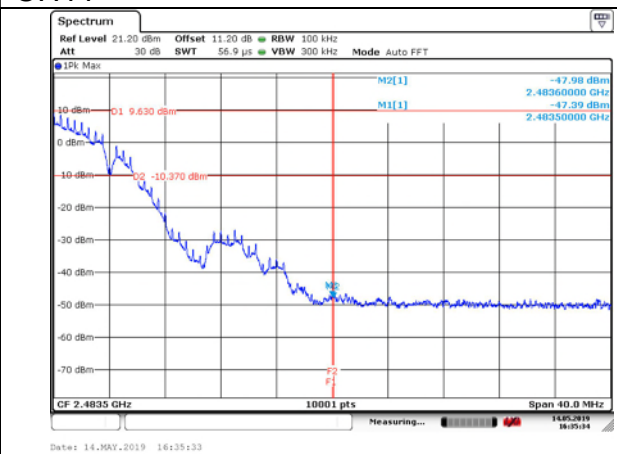
Offset 11.0dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 0.8dB

802.11b

CH1

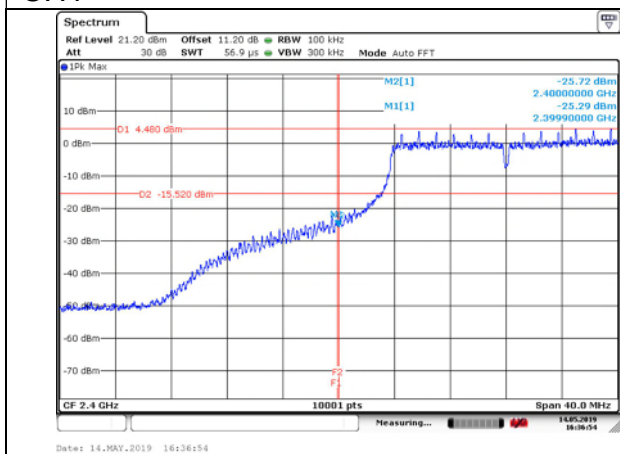


CH11

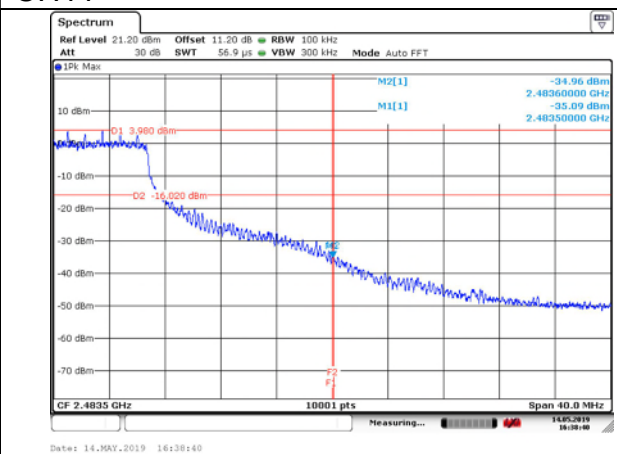


802.11g

CH1

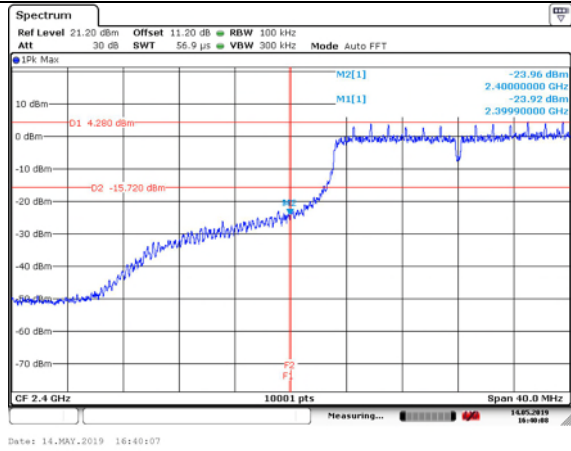


CH11

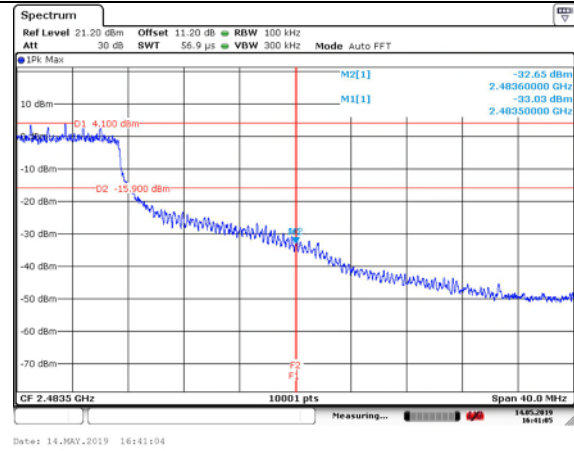


802.11n (HT20)

CH1

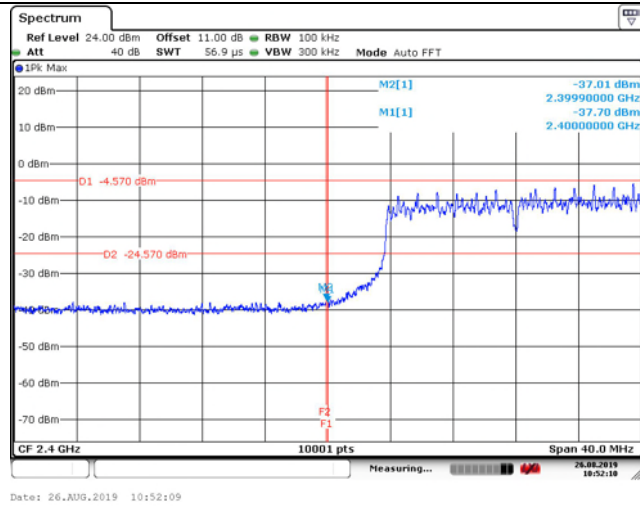


CH11

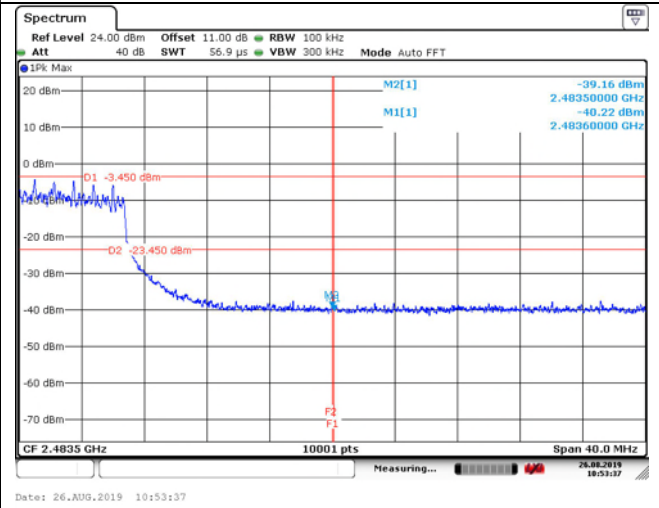


802.11n (HT40)

CH3



CH9



APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The worst case attitude: The eut lay down.

The measurement results are obtained as described below:

Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (103.83 dBuV/m) = (69.83 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	105.38	71.38	N/A	N/A	8.90	25.10
2	2390	52.44	18.44	-21.56	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	101.03	67.03	N/A	N/A	8.90	25.10
2	2390	48.17	14.17	-25.83	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	90.62	56.62	N/A	N/A	8.90	25.10
2	2390	40.00	6.00	-14.00	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	89.01	55.01	N/A	N/A	8.90	25.10
2	2390	39.72	5.72	-14.28	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	104.29	70.29	N/A	N/A	8.90	25.10
2	2483.5	53.53	19.53	-20.47	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	101.16	67.16	N/A	N/A	8.90	25.10
2	2483.5	50.87	16.87	-23.13	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	94.04	60.04	N/A	N/A	8.90	25.10
2	2483.5	40.98	6.98	-13.02	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	89.76	55.76	N/A	N/A	8.90	25.10
2	2483.5	39.34	5.34	-14.66	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	106.91	72.91	N/A	N/A	8.90	25.10
2	2390	53.46	19.46	-20.54	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	100.23	66.23	N/A	N/A	8.90	25.10
2	2390	48.96	14.96	-25.04	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	91.32	57.32	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: 802.11g
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	89.31	55.31	N/A	N/A	8.90	25.10
2	2390	39.21	5.21	-14.79	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	107.38	73.38	N/A	N/A	8.90	25.10
2	2483.5	54.54	20.54	-19.46	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	101.47	67.47	N/A	N/A	8.90	25.10
2	2483.5	49.72	15.72	-24.28	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	94.40	60.40	N/A	N/A	8.90	25.10
2	2483.5	42.13	8.13	-11.87	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	88.17	54.17	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): 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	103.44	69.44	N/A	N/A	8.90	25.10
2	2390	47.89	13.89	-26.11	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	97.01	63.01	N/A	N/A	8.90	25.10
2	2390	44.52	10.52	-29.48	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	89.74	55.74	N/A	N/A	8.90	25.10
2	2390	36.48	2.48	-17.52	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	84.53	50.53	N/A	N/A	8.90	25.10
2	2390	36.29	2.29	-17.71	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	101.53	67.53	N/A	N/A	8.90	25.10
2	2483.5	48.44	14.44	-25.56	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	96.52	62.52	N/A	N/A	8.90	25.10
2	2483.5	43.61	9.61	-30.39	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	86.71	52.71	N/A	N/A	8.90	25.10
2	2483.5	36.35	2.35	-17.65	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	84.24	50.24	N/A	N/A	8.90	25.10
2	2483.5	35.96	1.96	-18.04	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:1
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	2422	99.18	65.18	N/A	N/A	8.90	25.10
2	2390	46.74	12.74	-27.26	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:1
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	2422	95.65	61.65	N/A	N/A	8.90	25.10
2	2390	44.64	10.64	-29.36	74.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:1
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	2422	86.16	52.16	N/A	N/A	8.90	25.10
2	2390	34.85	0.85	-19.15	54.00	8.90	25.10

Carrier frequency (MHz): 2422
Channel No.:1
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
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		(dBuV/m)					
1	2422	82.54	48.54	N/A	N/A	8.90	25.10
2	2390	35.10	1.10	-18.90	54.00	8.90	25.10

Carrier frequency (MHz): 2452

Channel No.:11

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	2452	98.55	64.55	N/A	N/A	8.90	25.10
2	2483.5	45.93	11.93	-28.07	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:11
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	2452	95.13	61.13	N/A	N/A	8.90	25.10
2	2483.5	41.59	7.59	-32.41	74.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:11
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	2452	88.82	54.82	N/A	N/A	8.90	25.10
2	2483.5	34.79	0.79	-19.21	54.00	8.90	25.10

Carrier frequency (MHz): 2452
Channel No.:11
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	2452	85.68	51.68	N/A	N/A	8.90	25.10
2	2483.5	34.60	0.60	-19.40	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:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Sample calculation: $(46.75 \text{ dB}\mu\text{V/m}) = (22.65 \text{ dB}\mu\text{V}) + (-24.1 \text{ dB/m})$, the corresponding frequency is 30.404167MHz.

The worst case attitude: The eut lay down.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.65	-24.1	46.75	V	43.50
263.964000	23.64	-22.2	45.84	V	46.00
298.108000	23.55	-21.1	44.65	V	46.00
299.466000	25.92	-21.1	47.02	V	46.00
408.009000	23.85	-17.5	41.35	V	46.00
499.819500	24.79	-15.3	40.09	V	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.39	-24.1	46.49	V	43.50
263.964000	23.41	-22.2	45.61	V	46.00
297.865500	26.02	-21.2	47.22	V	46.00
299.417500	25.69	-21.1	46.79	V	46.00
497.831000	24.86	-15.4	40.26	V	46.00
499.868000	24.39	-15.3	39.69	V	46.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.36	-24.1	46.46	V	43.50
263.964000	23.34	-22.2	45.54	V	46.00
265.516000	16.13	-22.2	38.33	V	46.00
297.817000	25.74	-21.2	46.94	V	46.00
299.369000	24.98	-21.1	46.08	V	46.00
497.831000	24.74	-15.4	40.14	V	46.00

For 802.11n(HT40) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
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215.997500	22.43	-24.1	46.53	V	43.50
263.964000	23.60	-22.2	45.80	V	46.00
298.884000	23.89	-21.1	44.99	V	46.00
299.660000	25.70	-21.1	46.80	V	46.00
455.975500	23.20	-16.9	40.10	V	46.00
497.879500	22.76	-15.4	38.16	V	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.28	-24.1	46.38	V	43.50
263.964000	23.37	-22.2	45.57	V	46.00
297.720000	25.68	-21.2	46.88	V	46.00
299.417500	25.26	-21.1	46.36	V	46.00
455.975500	23.58	-16.9	40.48	V	46.00
499.819500	24.53	-15.3	39.83	V	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.44	-24.1	46.54	V	43.50
264.012500	25.07	-22.2	47.27	V	46.00
299.175000	26.01	-21.1	47.11	V	46.00
398.939500	19.92	-17.9	37.82	V	46.00
455.975500	23.61	-16.9	40.51	V	46.00
497.831000	24.50	-15.4	39.9	V	46.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.30	-24.1	46.4	V	43.50
263.964000	23.32	-22.2	45.52	V	46.00
297.817000	26.15	-21.2	47.35	V	46.00
299.126500	17.96	-21.1	39.06	V	46.00
456.024000	23.32	-16.9	40.22	V	46.00
499.819500	24.52	-15.3	39.82	V	46.00

For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.34	-24.1	46.44	V	43.50
264.012500	25.07	-22.2	47.27	V	46.00
298.690000	25.67	-21.1	46.77	V	46.00
299.175000	23.54	-21.1	44.64	V	46.00
299.757000	25.38	-21.1	46.48	V	46.00
499.577000	22.67	-15.3	37.97	V	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.26	-24.1	46.36	V	43.50
263.964000	23.19	-22.2	45.39	V	46.00
297.671500	26.08	-21.2	47.28	V	46.00
299.369000	24.78	-21.1	45.88	V	46.00
497.879500	23.91	-15.4	39.31	V	46.00
499.771000	23.22	-15.3	38.52	V	46.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.23	-24.1	46.33	V	43.50
263.964000	23.20	-22.2	45.4	V	46.00
299.272000	25.75	-21.1	46.85	V	46.00
359.994000	23.21	-19.7	42.91	V	46.00
456.024000	23.12	-16.9	40.02	V	46.00
499.819500	24.08	-15.3	39.38	V	46.00

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.949000	18.58	-24.1	42.68	V	43.50
263.964000	23.20	-22.2	45.4	V	46.00
298.787000	25.40	-21.1	46.5	V	46.00
299.369000	23.15	-21.1	44.25	V	46.00
497.879500	23.15	-15.4	38.55	V	46.00
530.956500	13.96	-14.9	28.86	V	46.00

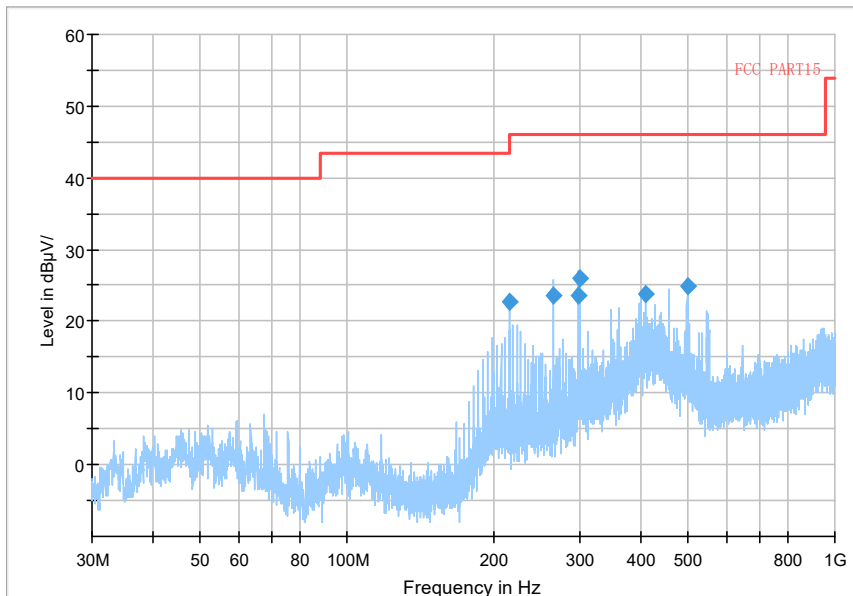
For 802.11n(HT40) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
215.997500	22.33	-24.1	46.43	V	43.50
264.012500	24.85	-22.2	47.05	V	46.00
298.981000	24.99	-21.1	46.09	V	46.00
497.831000	23.74	-15.4	39.14	V	46.00
499.819500	23.63	-15.3	38.93	V	46.00
901.157000	12.59	-7.5	20.09	V	46.00

Carrier frequency (MHz): 2412

Channel No.:1

Full Spectrum

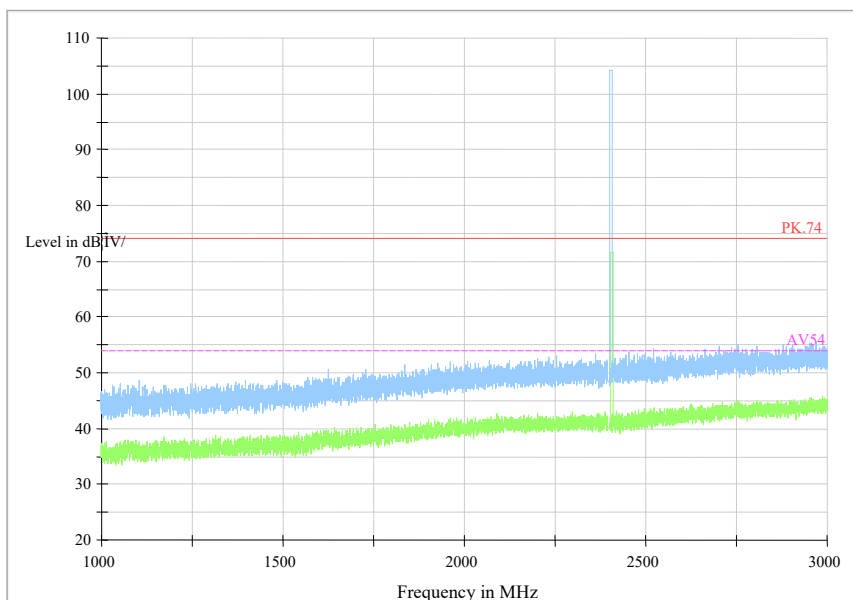


Frequency Range: 30MHz -1GHz

Detector: QP mode

Test Mode: 802.11b

Full Spectrum

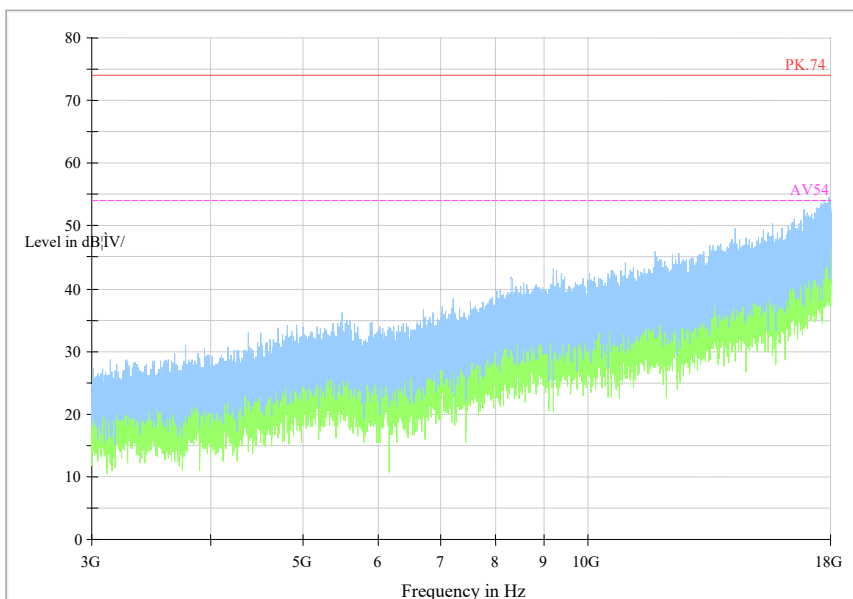


Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

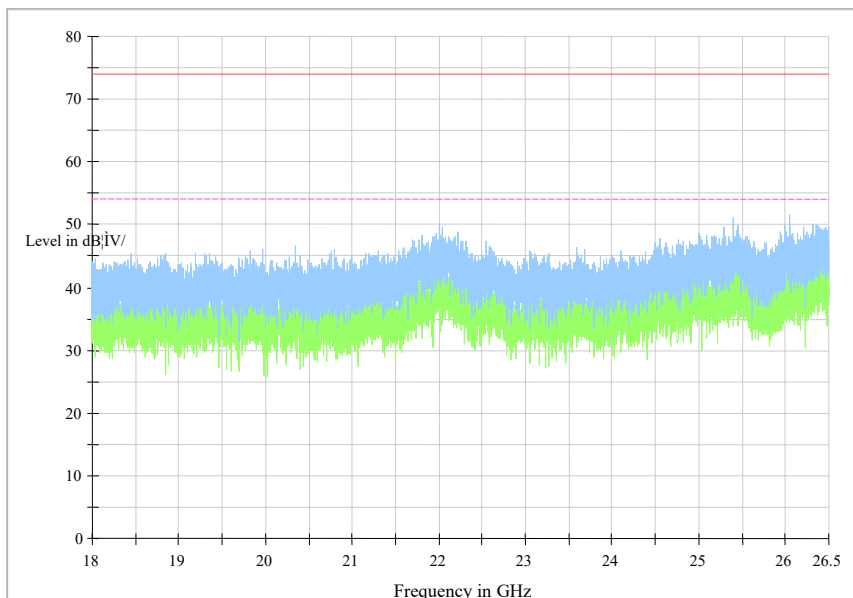
Modulation type: 802.11b

Full Spectrum



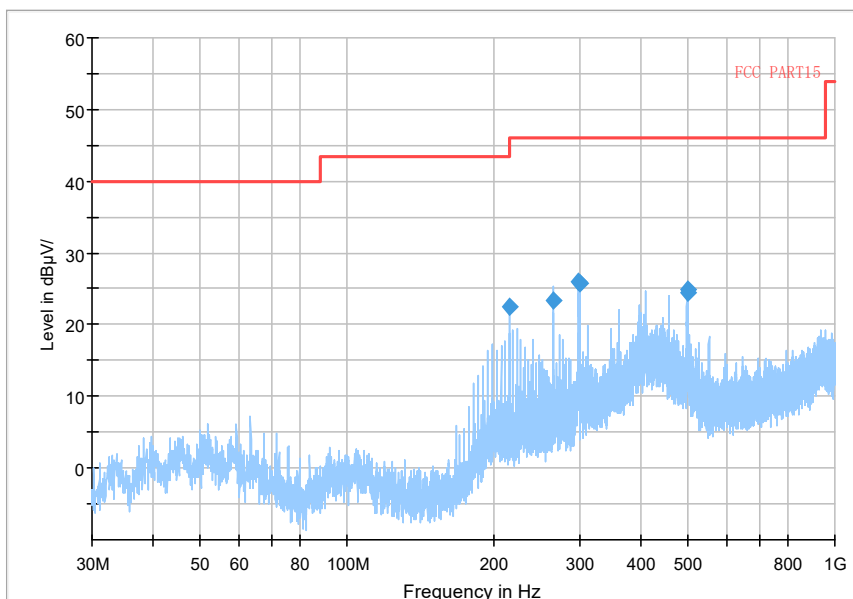
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



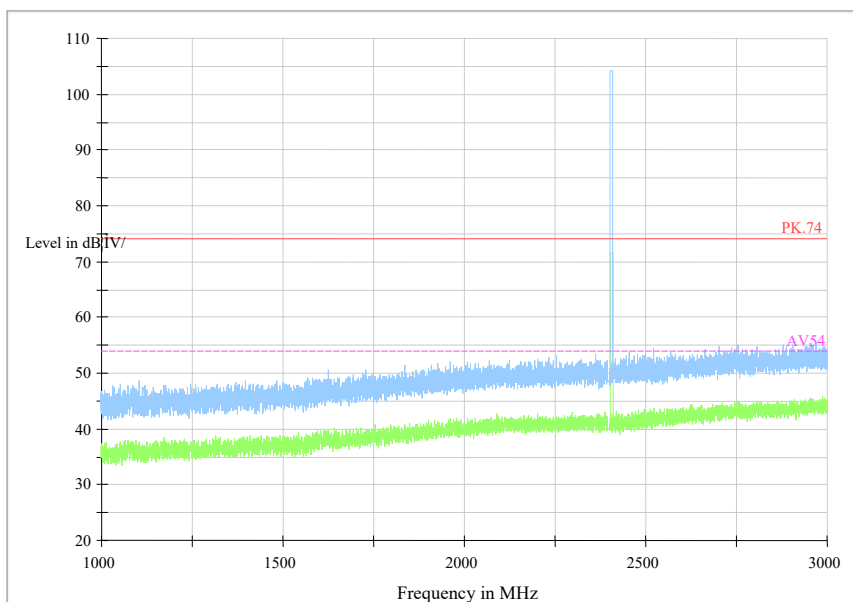
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



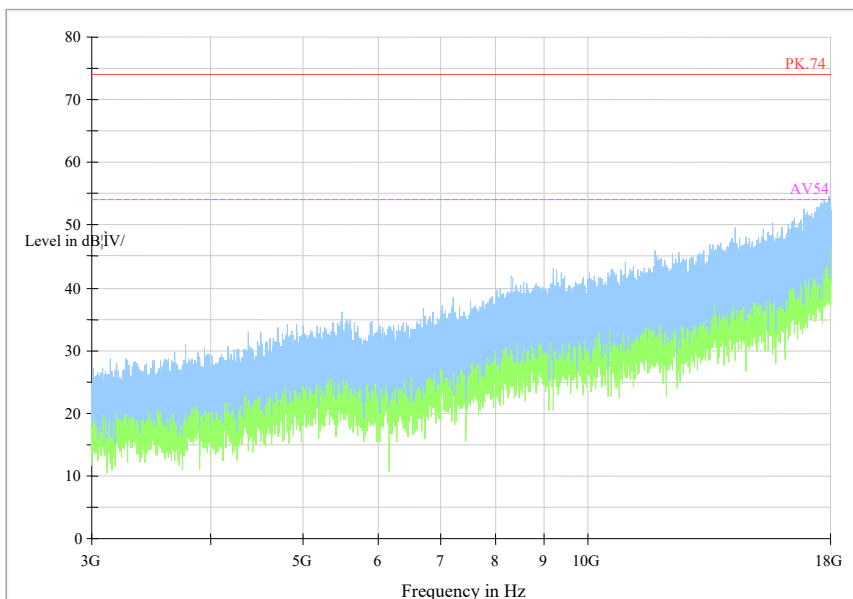
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

Full Spectrum



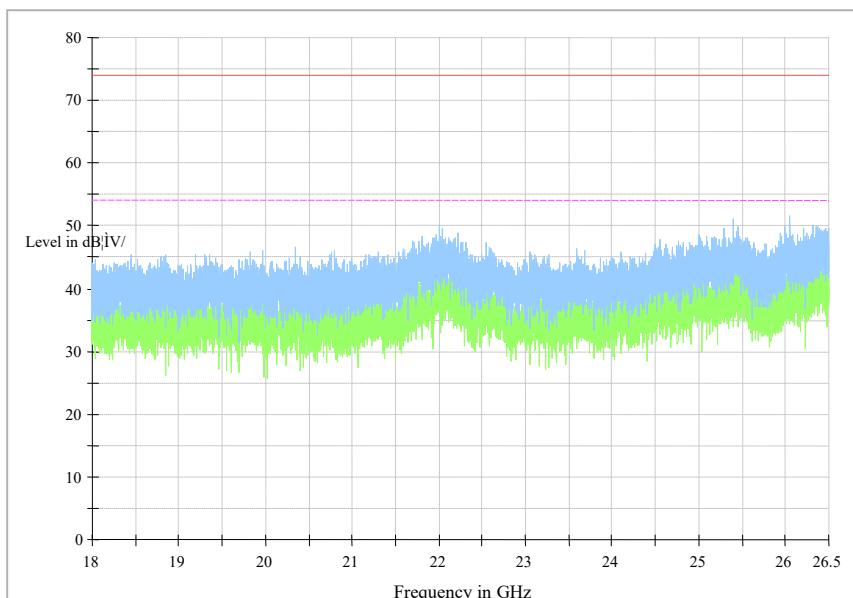
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



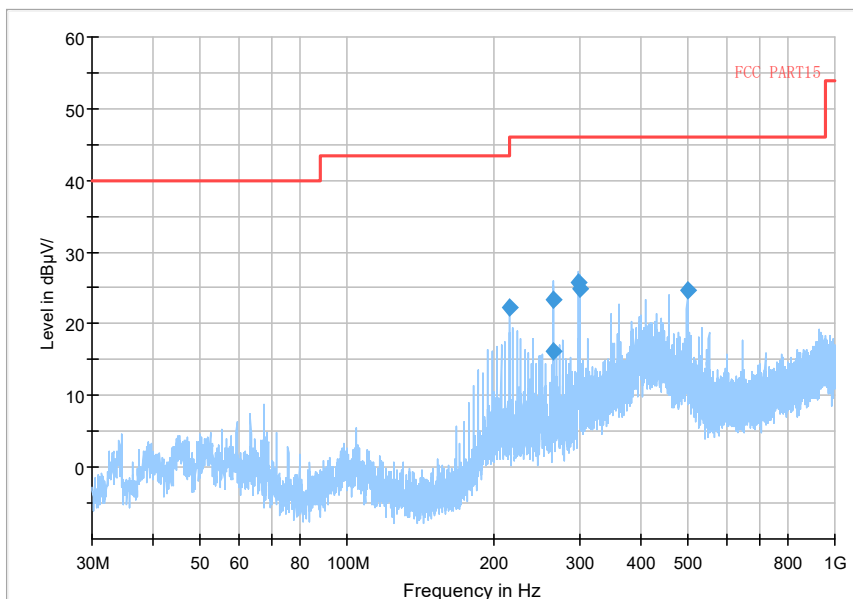
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



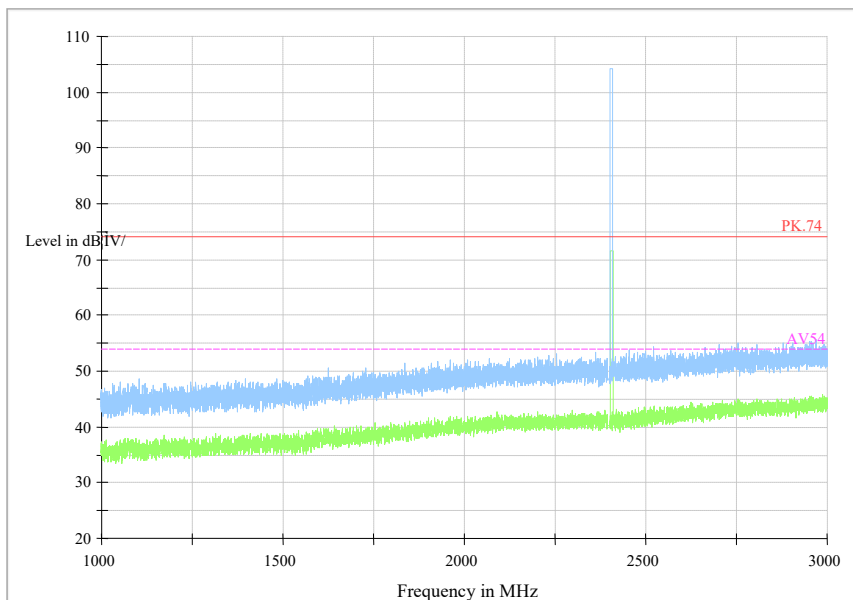
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



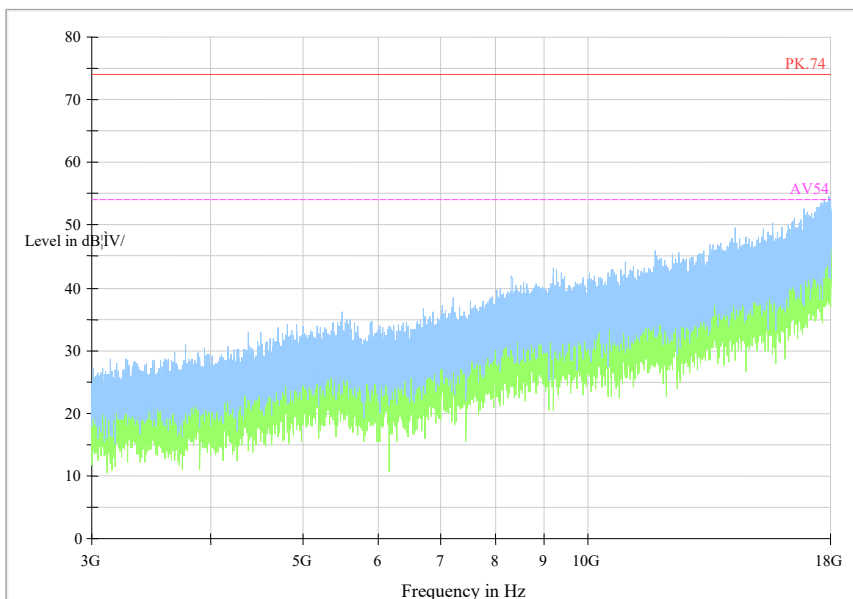
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



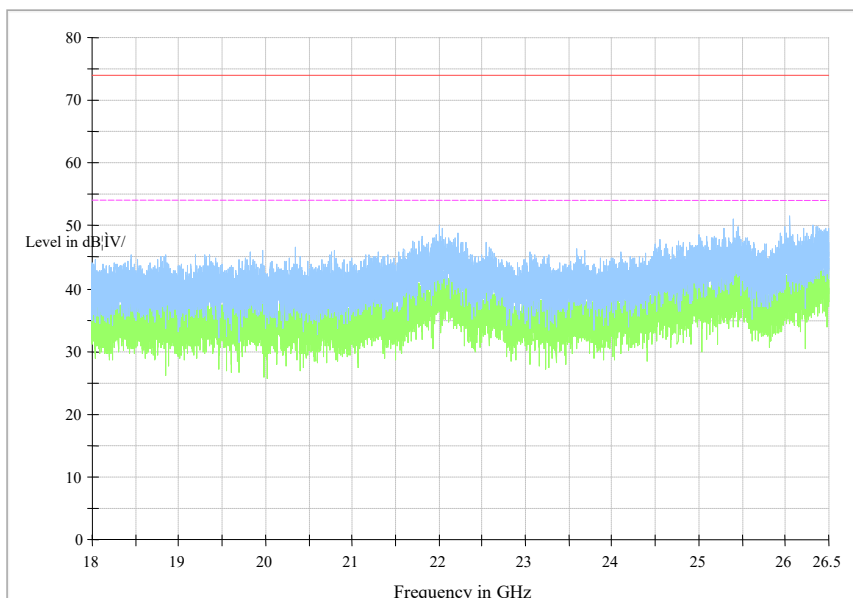
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

Full Spectrum



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

Carrier frequency (MHz): 2422

The State Radio Monitoring Center Testing Center (SRTC)

Tel: 86-10-57996183

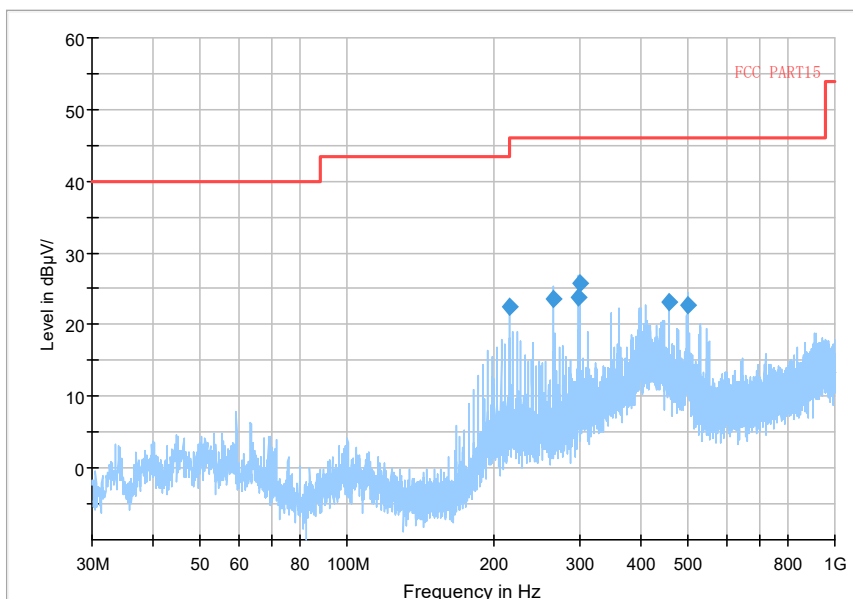
Fax: 86-10-57996388

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V3.0.0

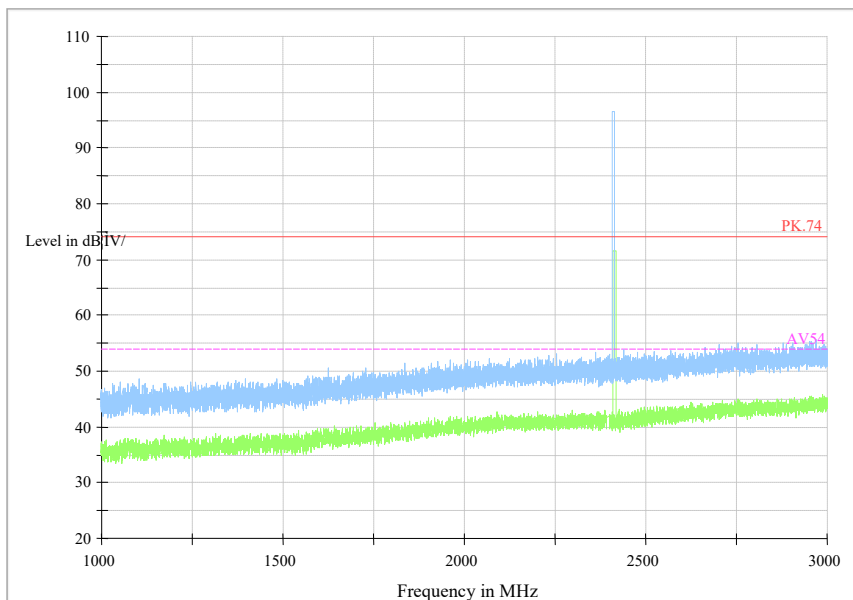
Channel No.:1

Full Spectrum



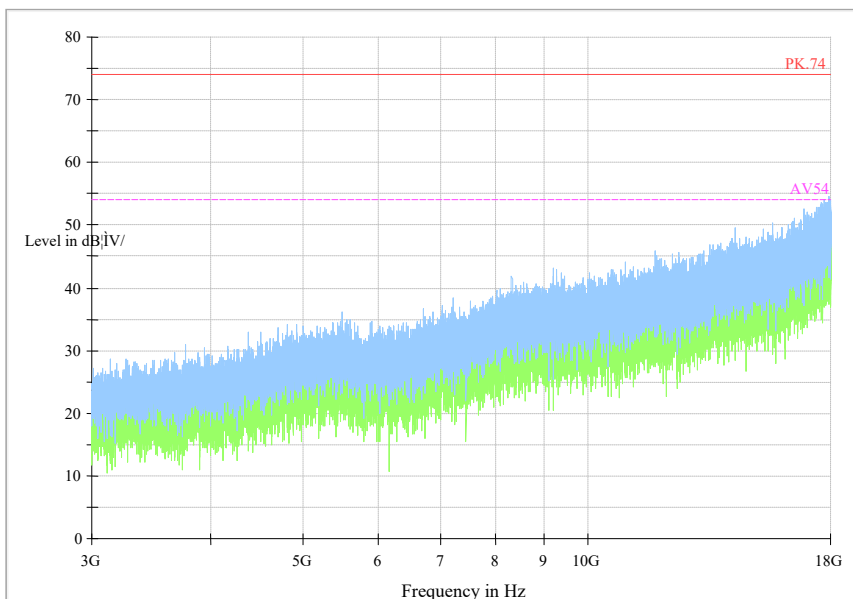
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)

Full Spectrum



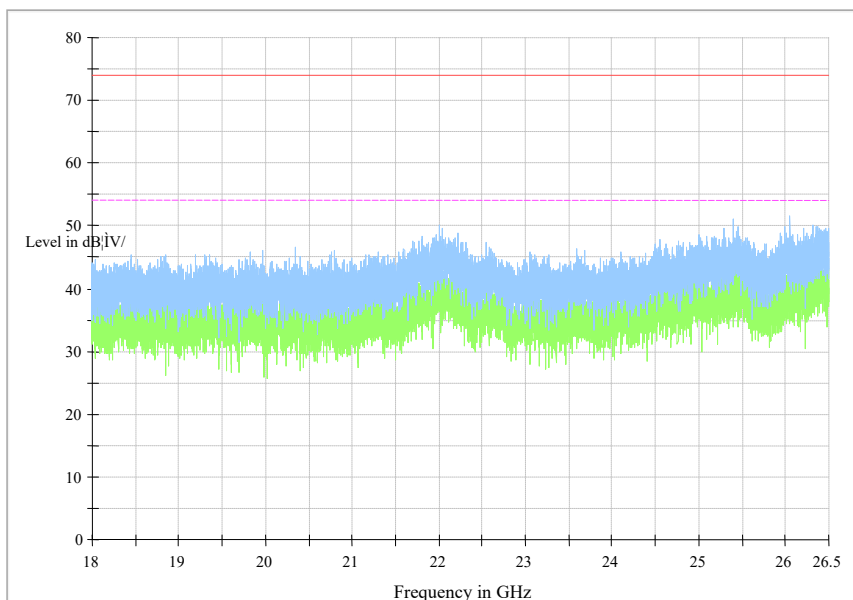
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

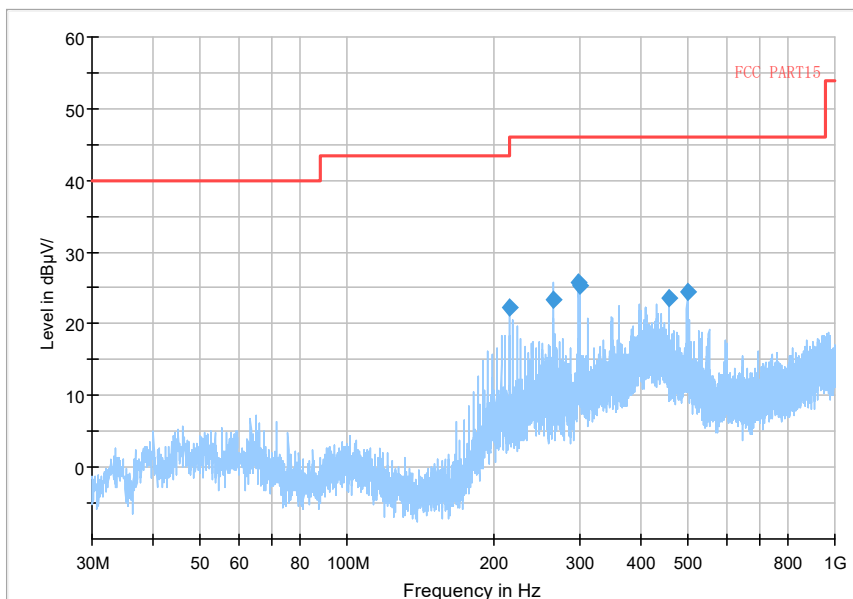
Full Spectrum



Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

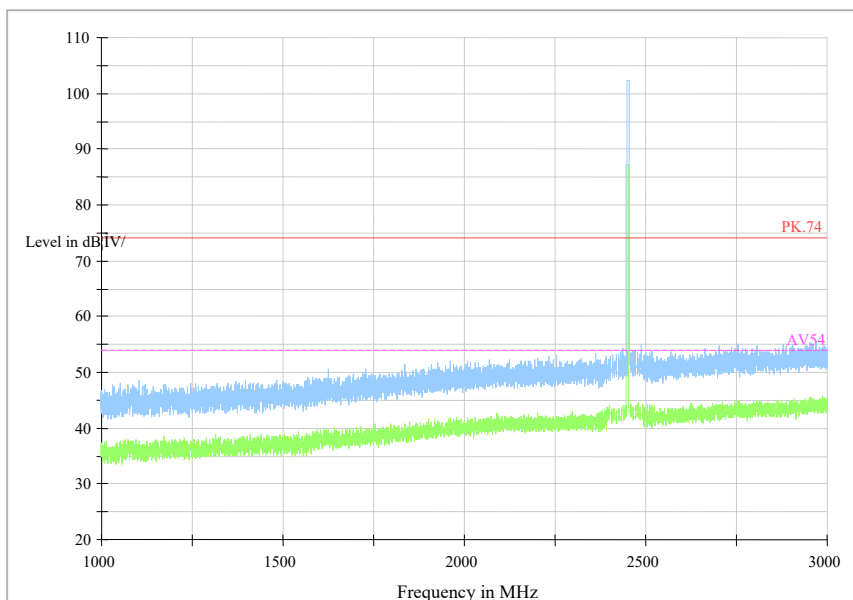
Carrier frequency (MHz): 2437
Channel No.:6

Full Spectrum



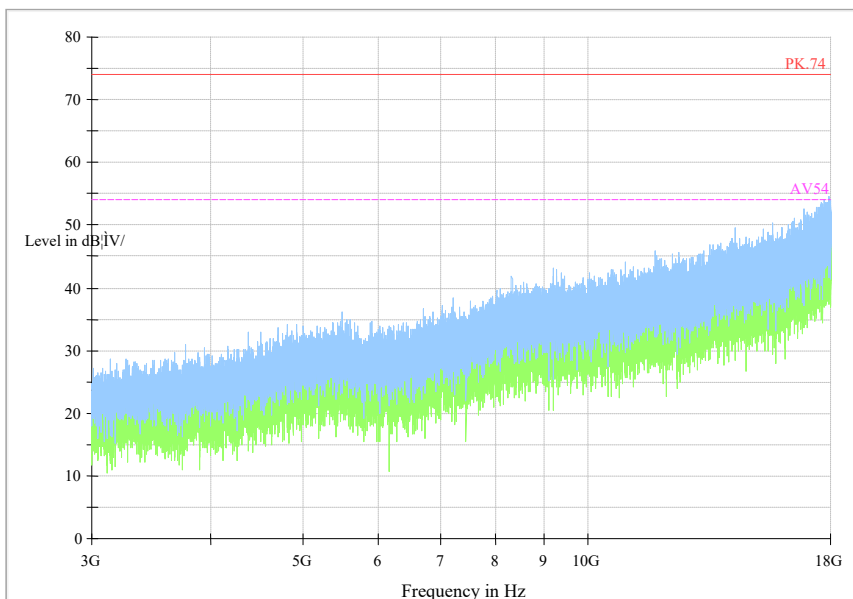
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

Full Spectrum



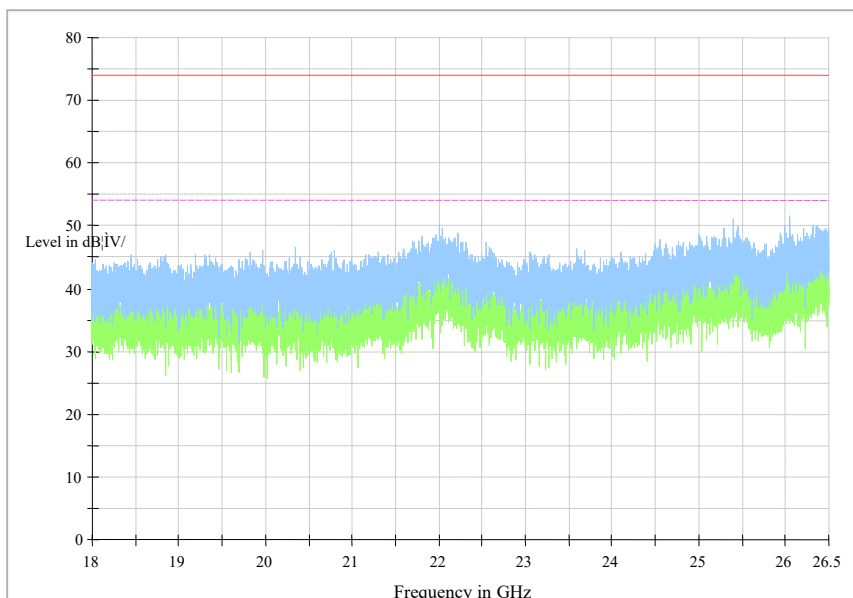
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



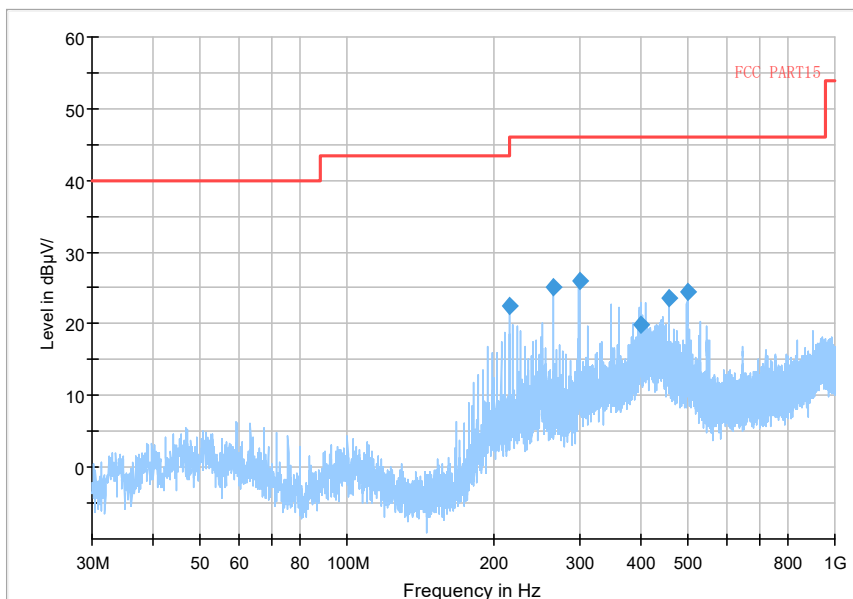
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



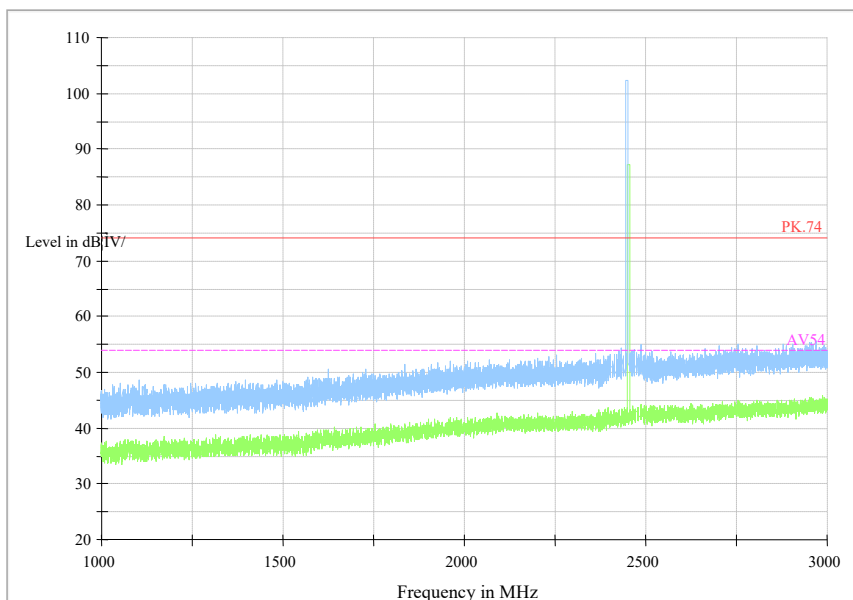
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



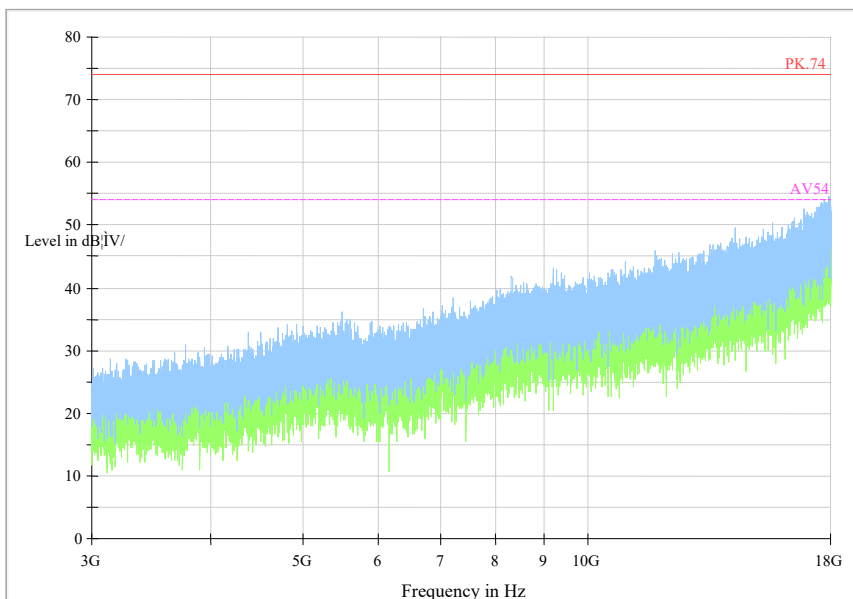
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

Full Spectrum



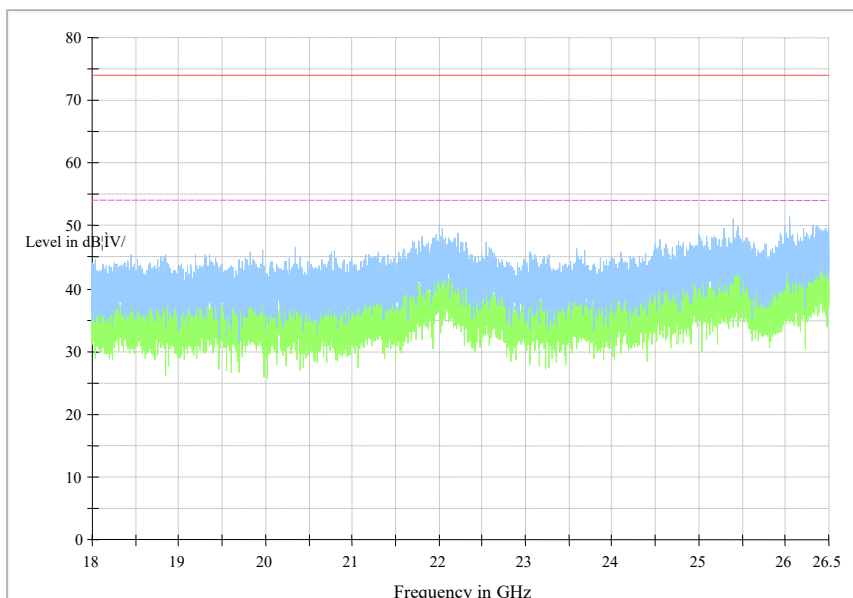
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



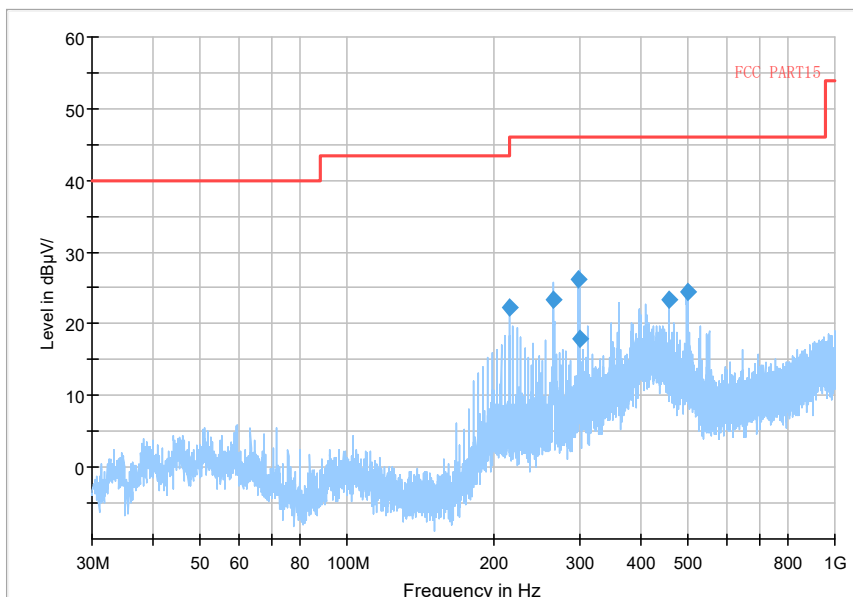
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



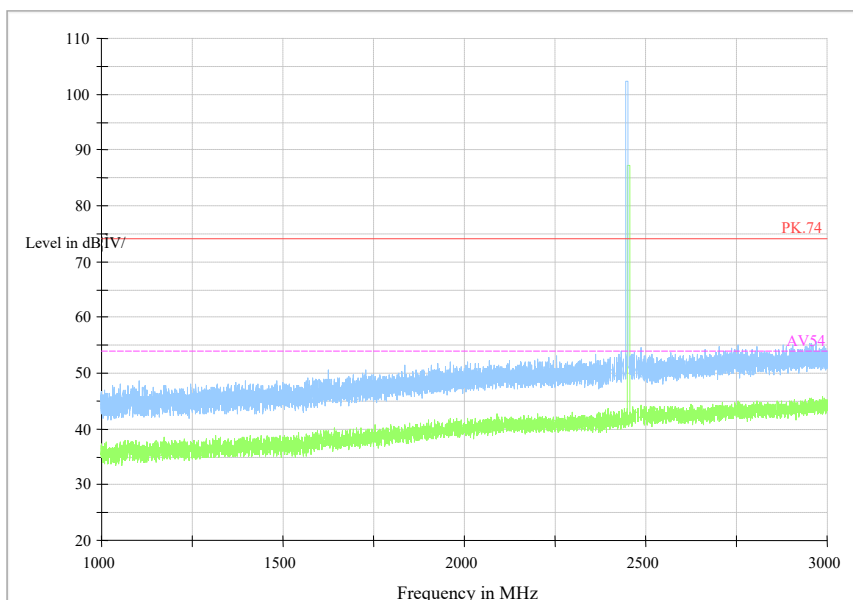
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



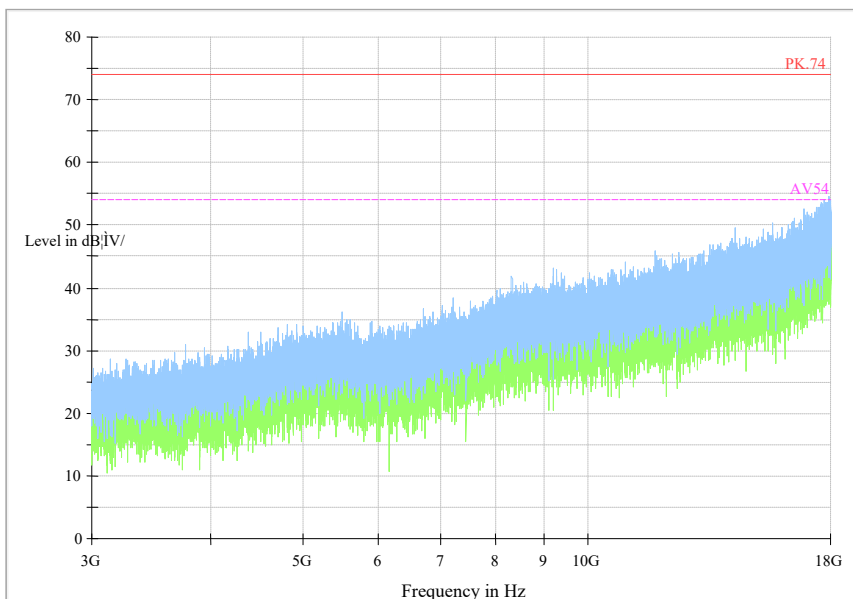
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



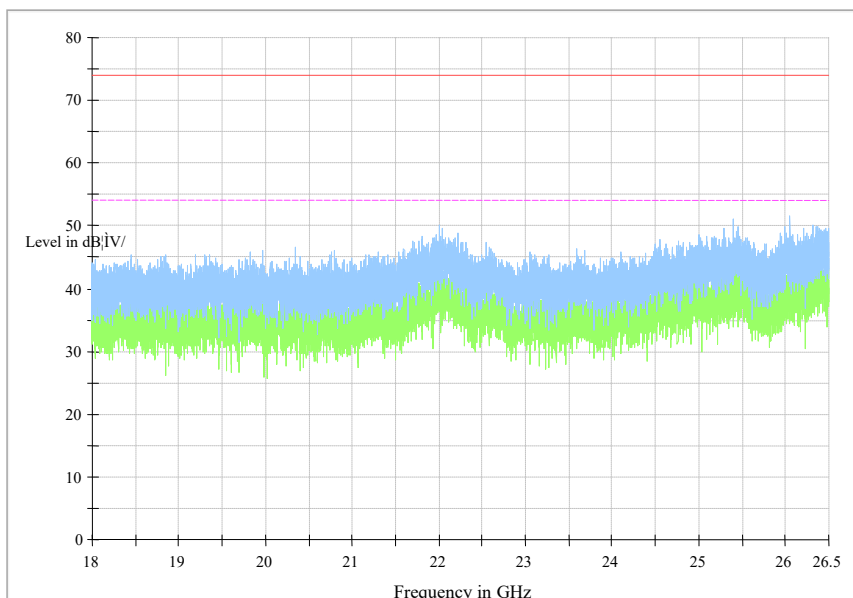
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



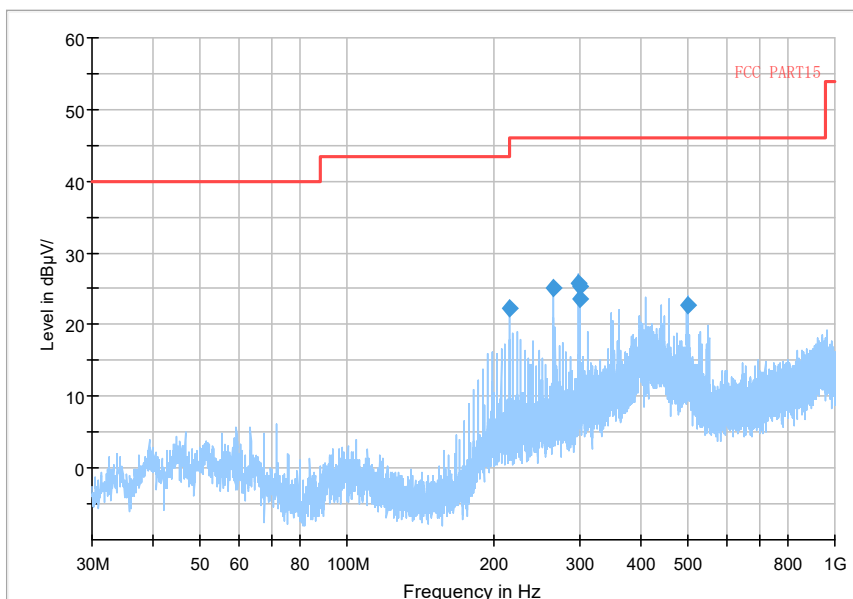
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



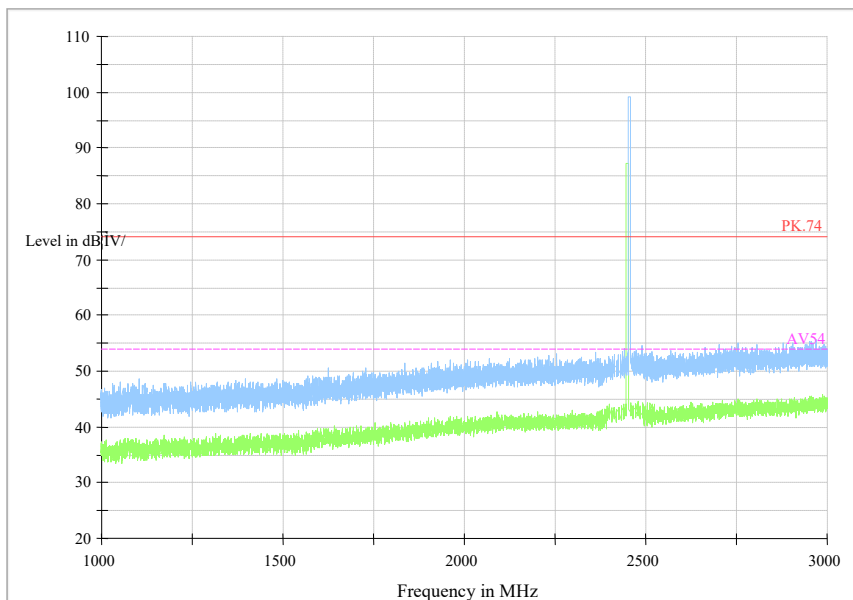
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



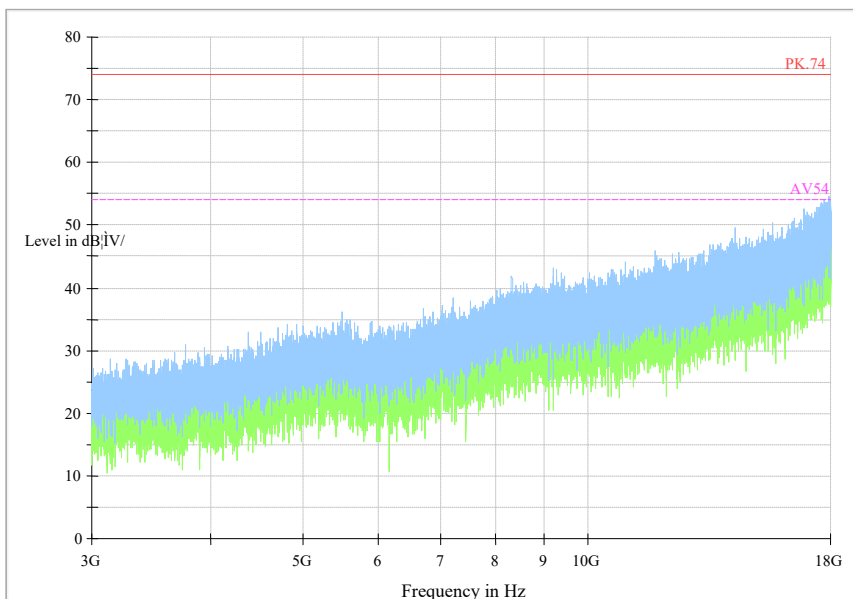
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)

Full Spectrum



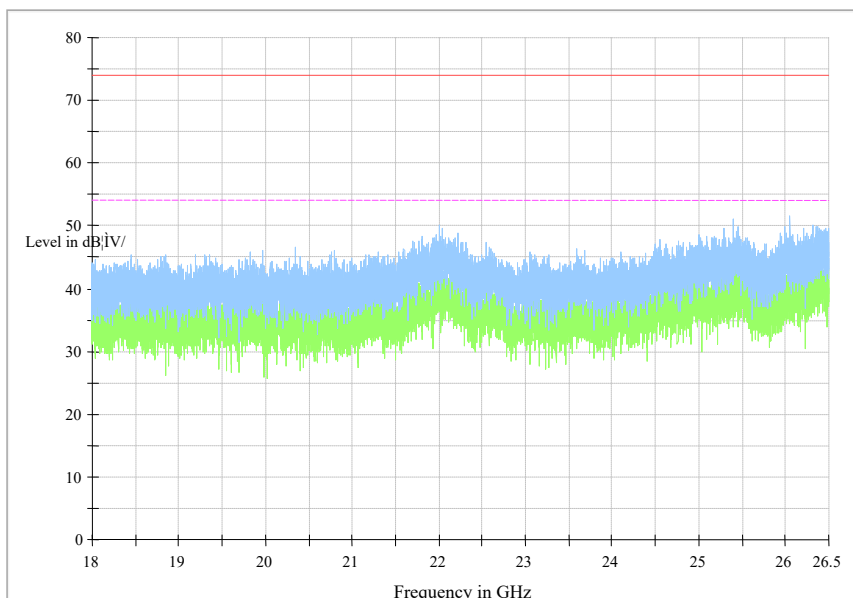
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

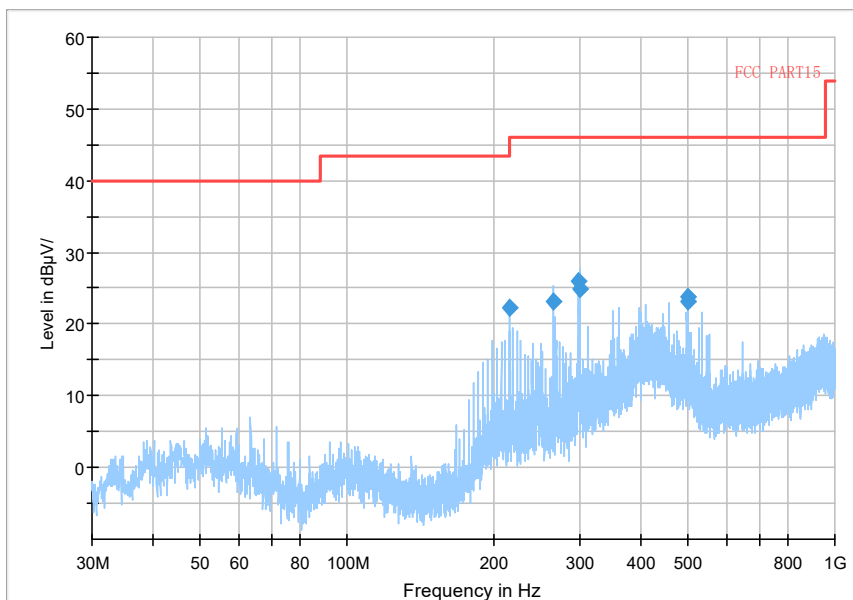
Full Spectrum



Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

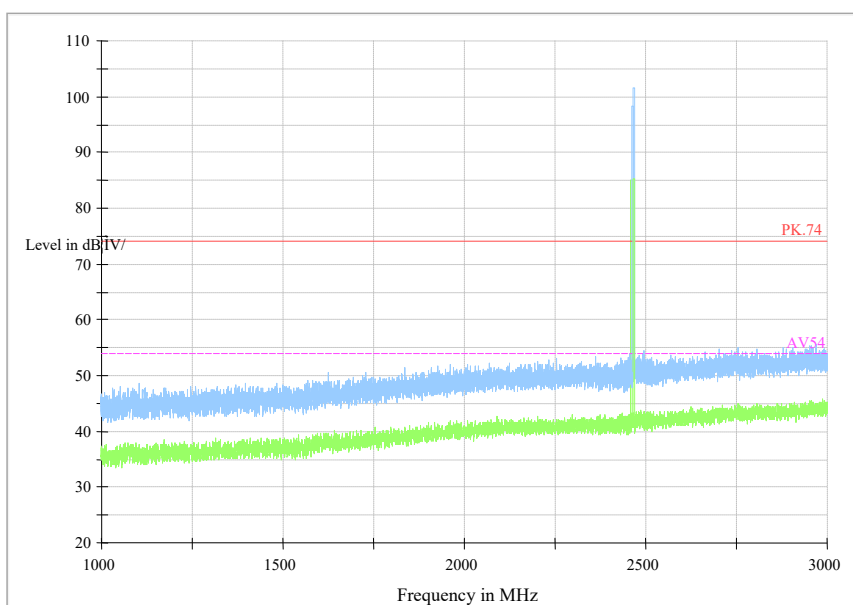
Carrier frequency (MHz): 2462
Channel No.:11

Full Spectrum



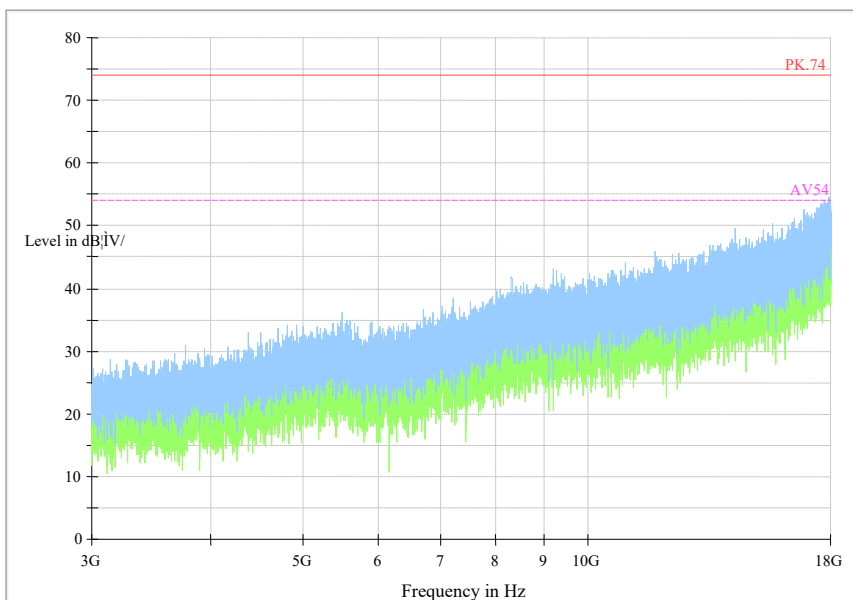
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

Full Spectrum



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

Full Spectrum

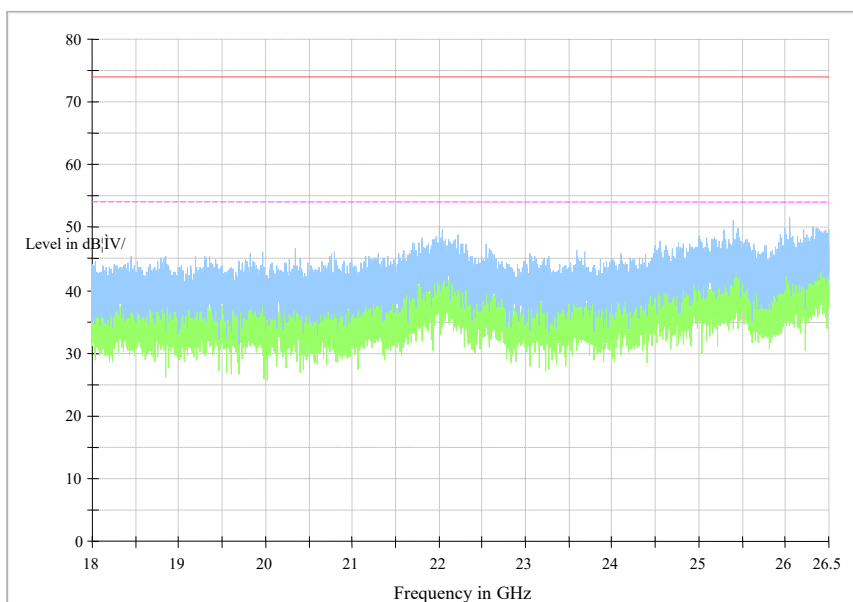


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11b

Full Spectrum

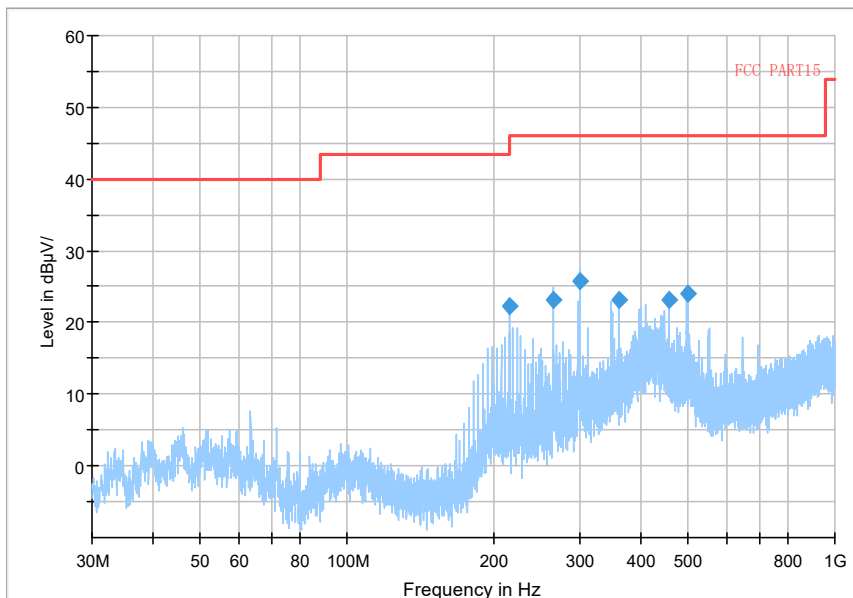


Frequency Range: 18GHz -26.5GHz

Detector: Av mode and PK mode

Modulation type: 802.11b

Full Spectrum

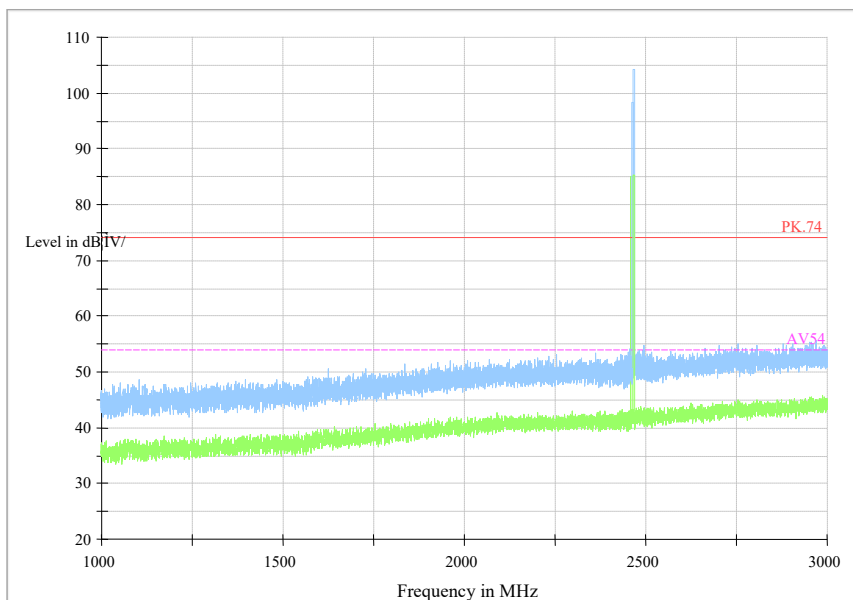


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11g

Full Spectrum

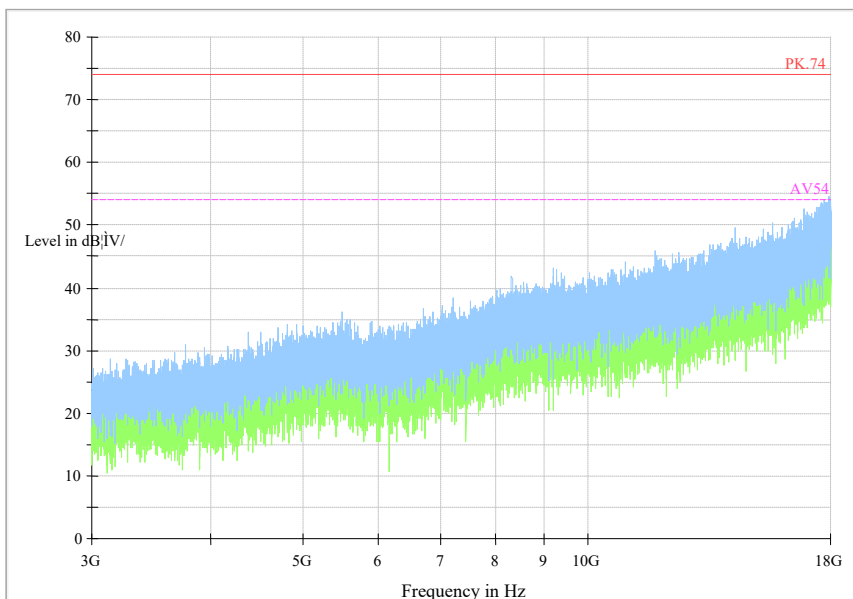


Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

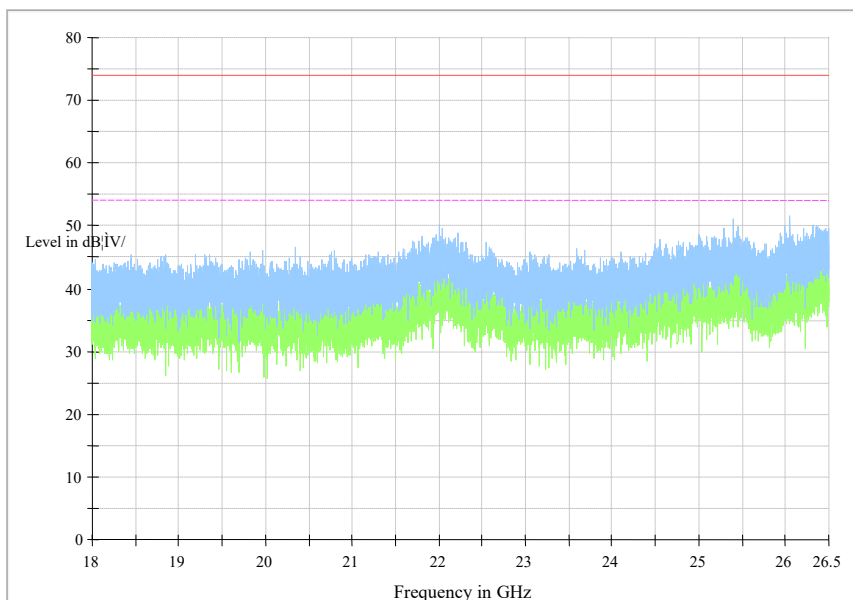
Modulation type: 802.11g

Full Spectrum



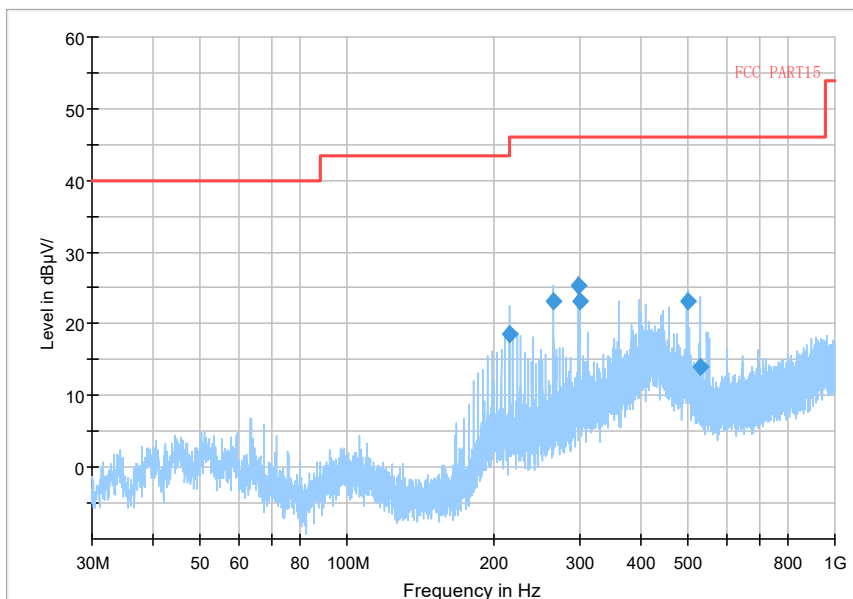
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



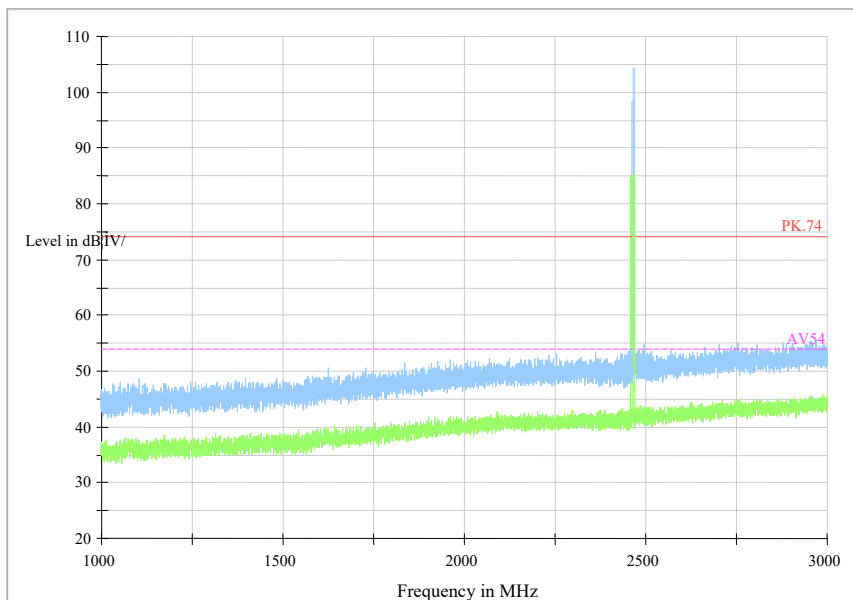
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



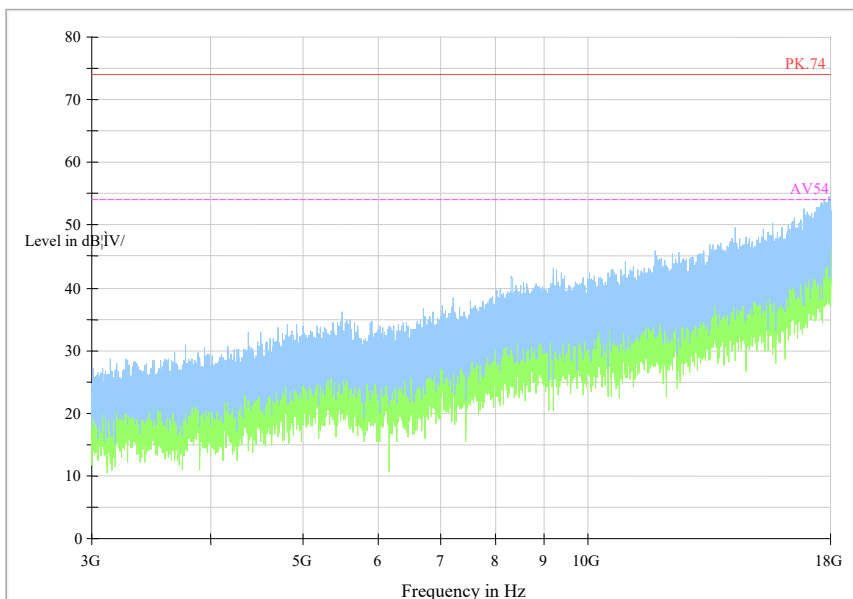
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)

Full Spectrum



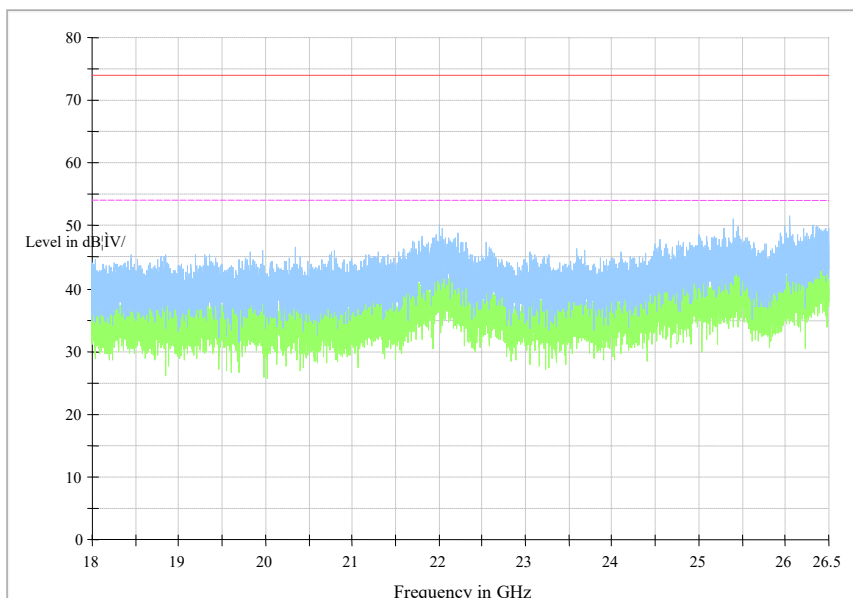
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

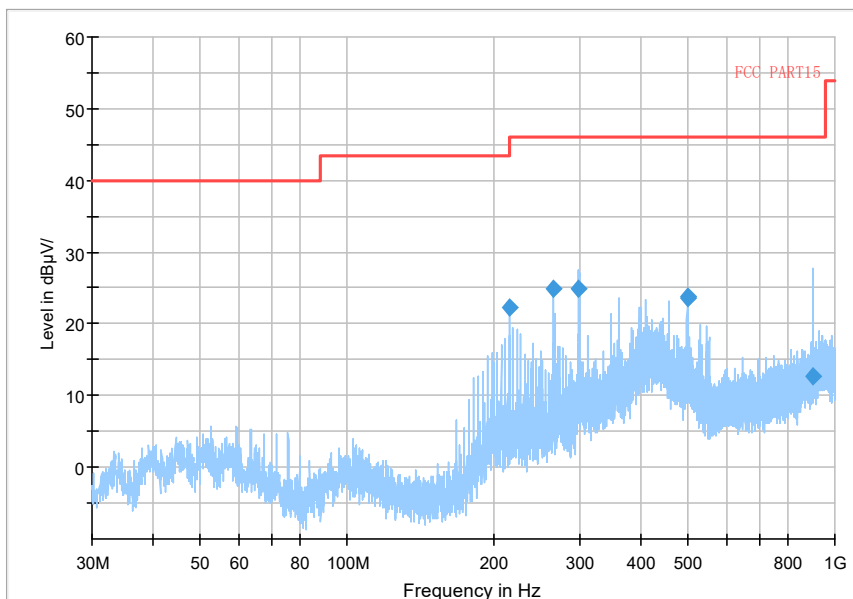
Full Spectrum



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

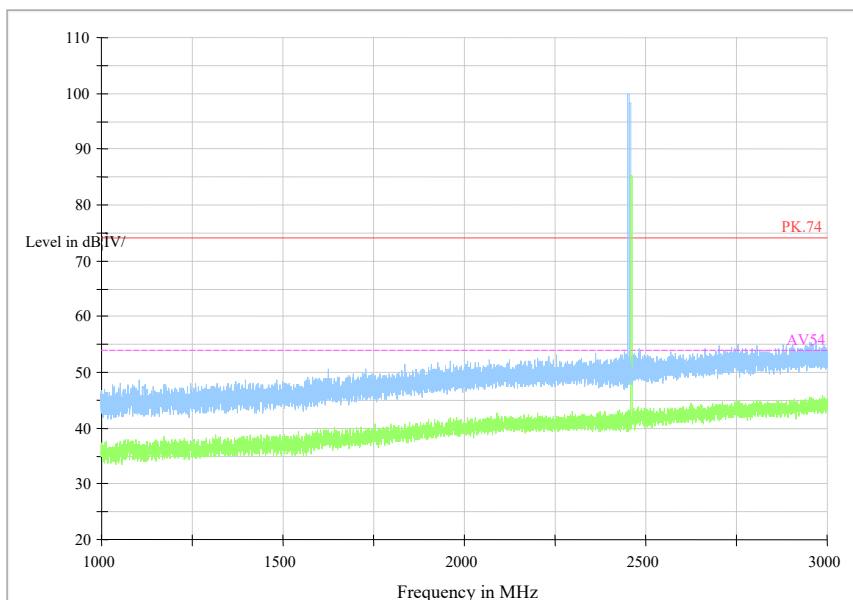
Carrier frequency (MHz): 2452
Channel No.:11

Full Spectrum



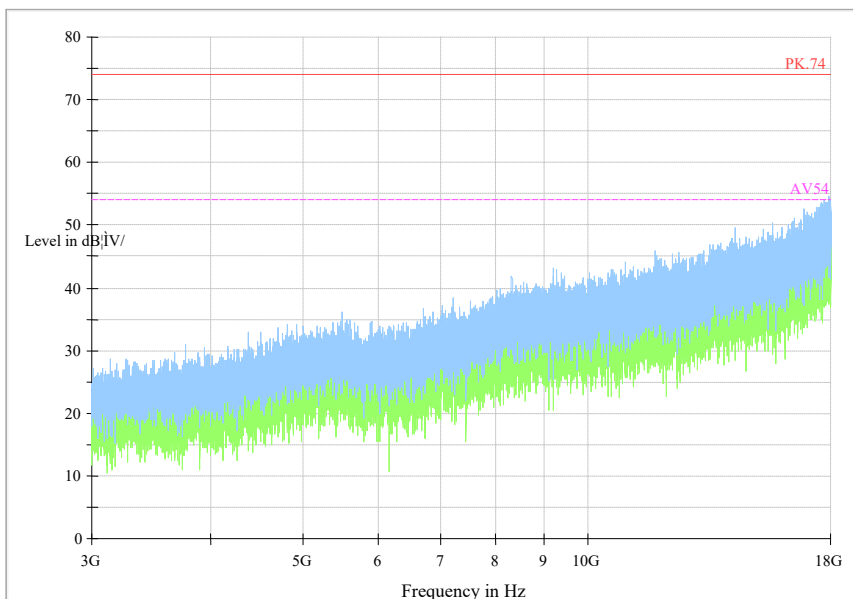
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT40)

Full Spectrum



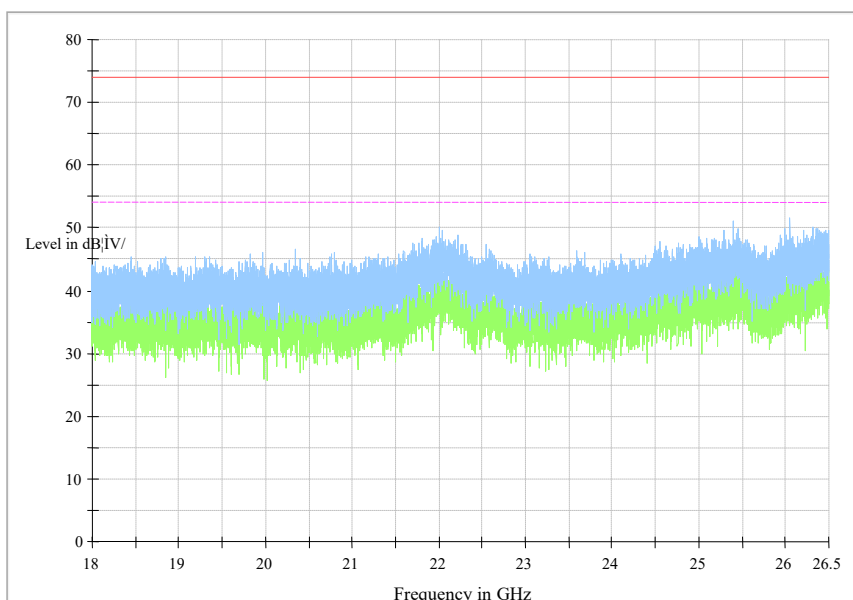
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

Full Spectrum



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

Full Spectrum



Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

AC Power line Conducted Emission

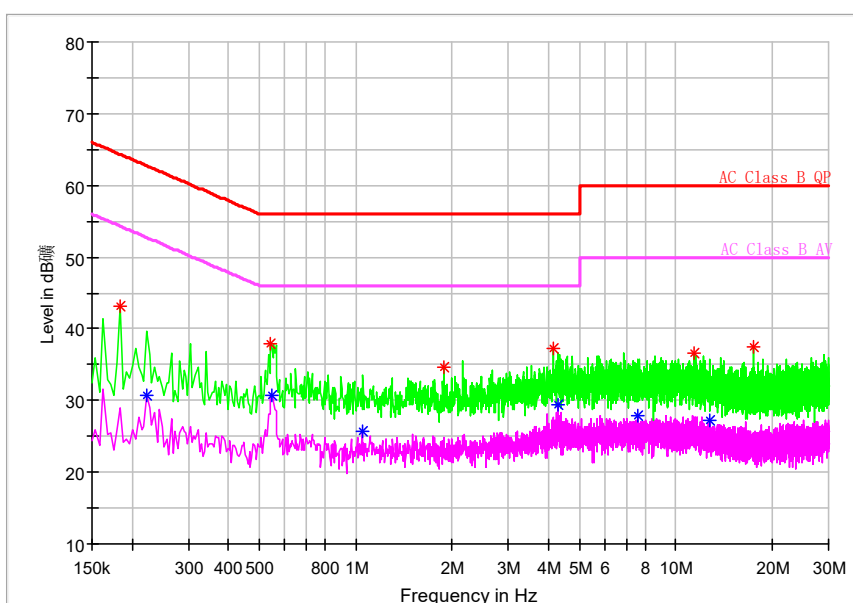
A "reference path loss" Corr.(dB) is established and the $L_{\text{cable}} + \text{ATT} + \text{VDF}$ is the attenuation of "reference path loss", and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.

The measurement results are obtained as described below:

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

Sample calculation: $(43.18 \text{ dB}\mu\text{V}) = (13.48 \text{ dB}\mu\text{V}) + (29.7 \text{ dB})$, the corresponding frequency is 0.184114MHz.

Full Spectrum



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Pme a QuasiPeak (dBμV)	Pme a Average (dBμV)
0.184114	43.18	---	64.30	21.12	L1	29.7	13.4	---
0.222493	---	30.62	52.73	22.10	L1	29.7	---	0.92
0.542314	37.90	---	56.00	18.10	L1	29.7	8.2	---
0.546579	---	30.76	46.00	15.24	L1	29.7	---	1.06
1.045500	---	25.70	46.00	20.30	L1	29.7	---	-4
1.885564	34.62	---	56.00	21.38	L1	29.8	4.82	---
4.158429	37.22	---	56.00	18.78	L1	29.8	7.42	---
4.277829	---	29.36	46.00	16.64	L1	29.8	---	-0.44
7.608236	---	27.92	50.00	22.08	N	29.9	---	-1.98
11.390657	36.67	---	60.00	23.33	N	29.9	6.77	---
12.763757	---	27.32	50.00	22.68	L1	29.9	---	-2.58
17.544021	37.42	---	60.00	22.58	L1	30.0	7.42	---

---End of Test Report---