

**For 802.11b Channel No.:6**

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.8245	19.17	-20.7	39.87	Vertical	40	20.83
78.694	4.98	-22.2	27.18	Vertical	40	35.02
99.9855	12.46	-19.5	31.96	Vertical	43.5	31.04
199.9925	18.24	-19.9	38.14	Vertical	43.5	25.26
436.333	19.13	-13.5	32.63	Vertical	46	26.87
949.269	16.29	-5.1	21.39	Vertical	46	29.71

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.097	19.21	-20.8	40.01	Vertical	40	20.79
71.9525	9.14	-22.2	31.34	Vertical	40	30.86
169.4375	9.23	-21.8	31.03	Vertical	43.5	34.27
199.9925	18.26	-19.9	38.16	Vertical	43.5	25.24
436.333	19.11	-13.5	32.61	Vertical	46	26.89
956.35	16.25	-5	21.25	Vertical	46	29.75

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
31.9885	19.09	-20.5	39.59	Vertical	40	20.91
71.9525	8.87	-22.2	31.07	Vertical	40	31.13
167.9825	14.01	-21.9	35.91	Vertical	43.5	29.49
199.9925	18.35	-19.9	38.25	Vertical	43.5	25.15
436.333	19.1	-13.5	32.6	Vertical	46	26.9
868.5165	15.25	-6	21.25	Vertical	46	30.75

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
47.8965	19.3	-18.9	38.2	Vertical	40	20.7
72.001	11.19	-22.2	33.39	Vertical	40	28.81
121.083	14.51	-20.6	35.11	Vertical	43.5	28.99
199.9925	18.37	-19.9	38.27	Vertical	43.5	25.13
436.333	19.07	-13.5	32.57	Vertical	46	26.93
770.304	13.88	-7.6	21.48	Vertical	46	32.12

**For 802.11g Channel No.:11**

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
31.552	18.71	-20.6	39.31	Vertical	40	21.29
72.001	11.21	-22.2	33.41	Vertical	40	28.79
167.9825	14.19	-21.9	36.09	Vertical	43.5	29.31
199.9925	18.22	-19.9	38.12	Vertical	43.5	25.28
436.333	19.14	-13.5	32.64	Vertical	46	26.86
947.038	16.33	-5.1	21.43	Vertical	46	29.67

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.7275	19.35	-20.7	40.05	Vertical	40	20.65
71.9525	9.03	-22.2	31.23	Vertical	40	30.97
148.0005	11.38	-22.6	33.98	Vertical	43.5	32.12
199.9925	18.22	-19.9	38.12	Vertical	43.5	25.28
436.333	19.15	-13.5	32.65	Vertical	46	26.85
916.289	16.06	-5.3	21.36	Vertical	46	29.94

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.6305	19.63	-20.7	40.33	Vertical	40	20.37
71.9525	9.05	-22.2	31.25	Vertical	40	30.95
167.9825	14.69	-21.9	36.59	Vertical	43.5	28.81
199.9925	18.27	-19.9	38.17	Vertical	43.5	25.23
436.333	19.16	-13.5	32.66	Vertical	46	26.84
939.8115	16.36	-5.1	21.46	Vertical	46	29.64

For 802.11n(HT40) Channel No.:6

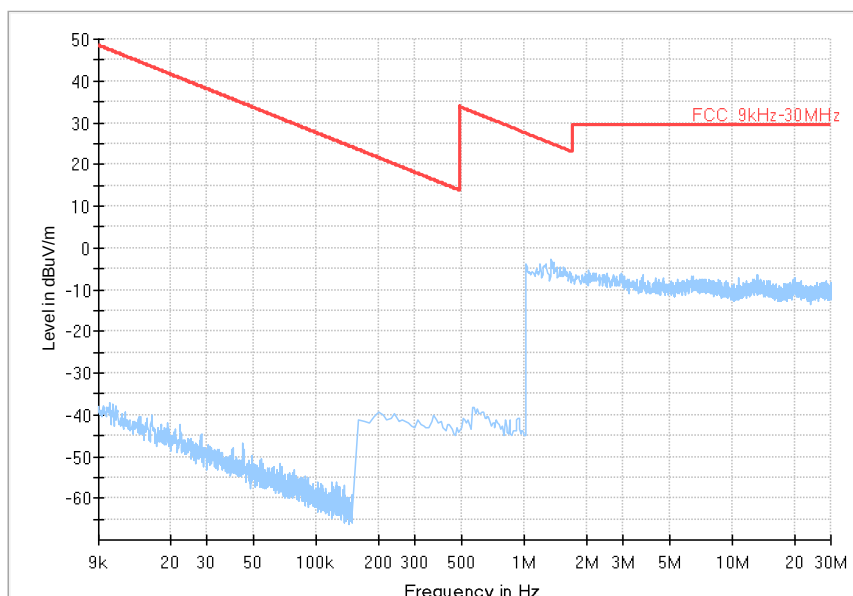
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
32.2795	18.9	-20.5	39.4	Vertical	40	21.1
71.9525	9.05	-22.2	31.25	Vertical	40	30.95
122.1015	15.16	-20.7	35.86	Vertical	43.5	28.34
199.9925	18.31	-19.9	38.21	Vertical	43.5	25.19
436.333	19.17	-13.5	32.67	Vertical	46	26.83
830.929	14.88	-6.6	21.48	Vertical	46	31.12



For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.1455	19.46	-20.8	40.26	Vertical	40	20.54
82.2345	5.72	-21.7	27.42	Vertical	40	34.28
99.6945	8.99	-19.5	28.49	Vertical	43.5	34.51
199.9925	18.24	-19.9	38.14	Vertical	43.5	25.26
436.333	19.1	-13.5	32.6	Vertical	46	26.9
957.126	16.26	-5	21.26	Vertical	46	29.74

Full Spectrum



Frequency Range: 9kHz -30MHz

Detector: QP mode

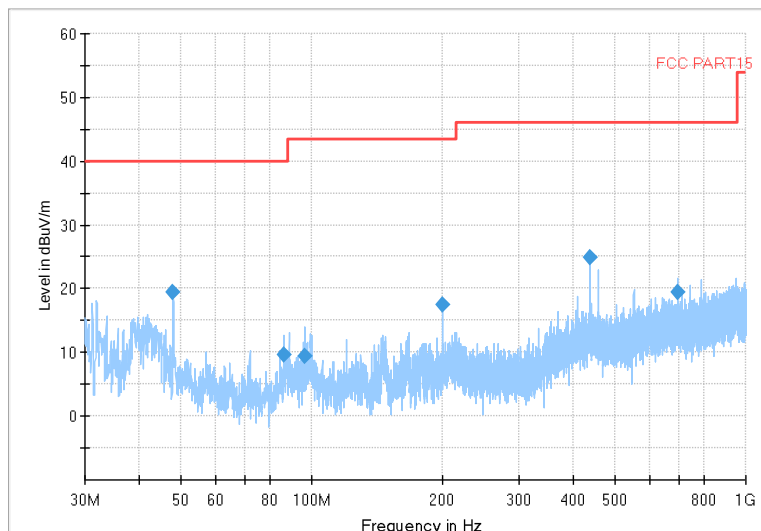
Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.



Carrier frequency (MHz): 2412

Channel No.:1

Full Spectrum

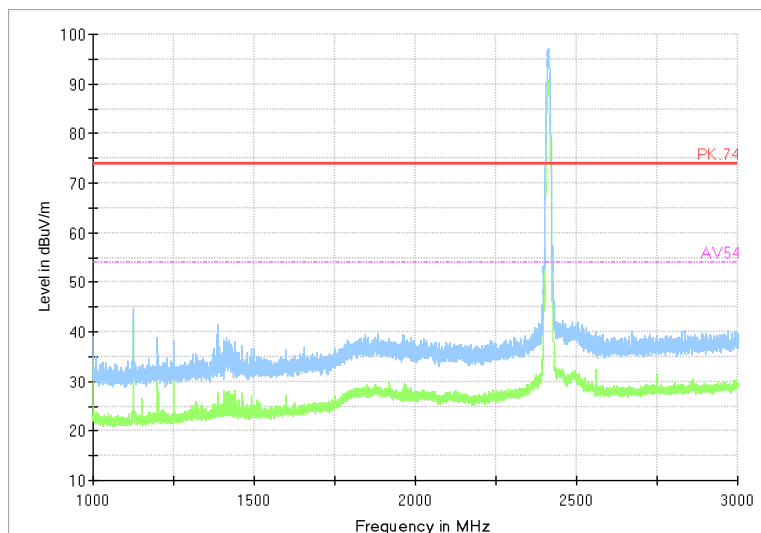


Frequency Range 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11b

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: QP mode

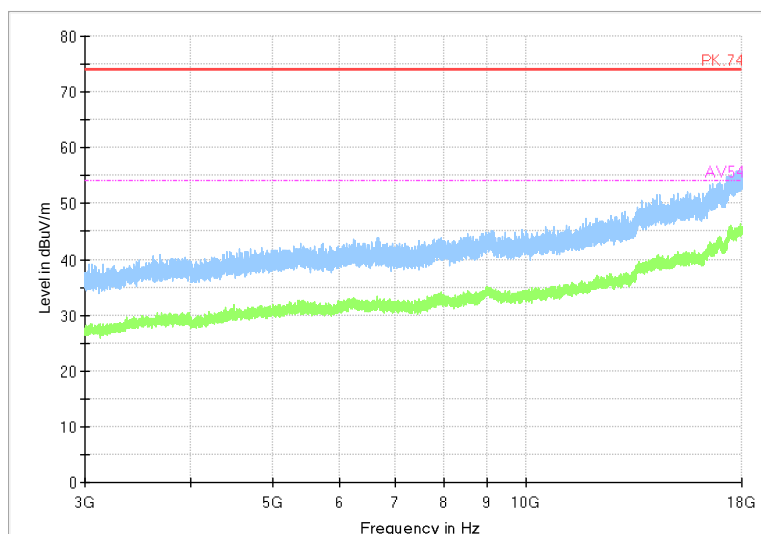
Modulation type: 802.11b



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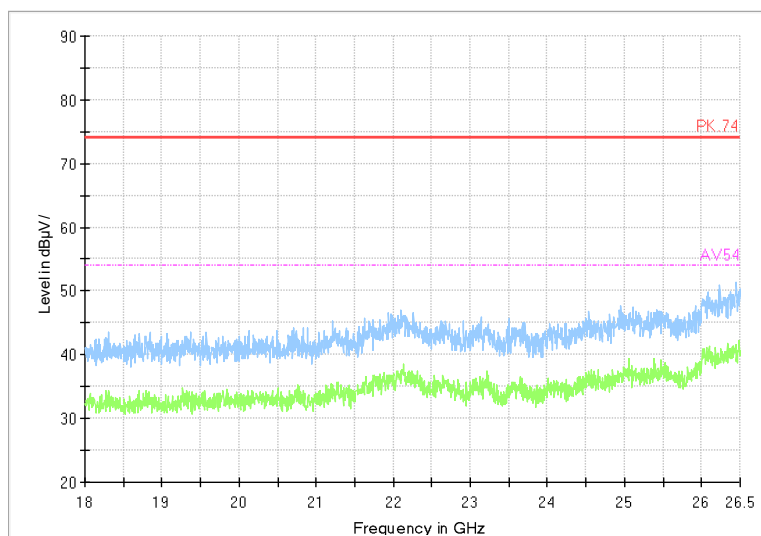
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



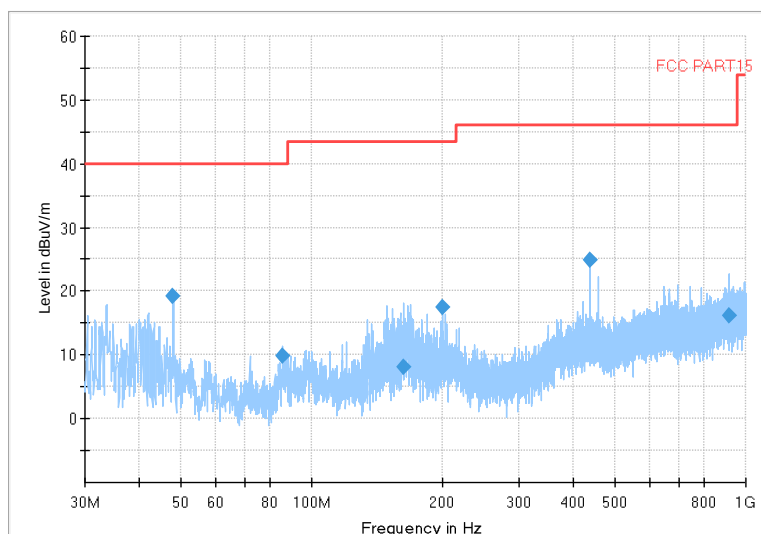
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



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VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum

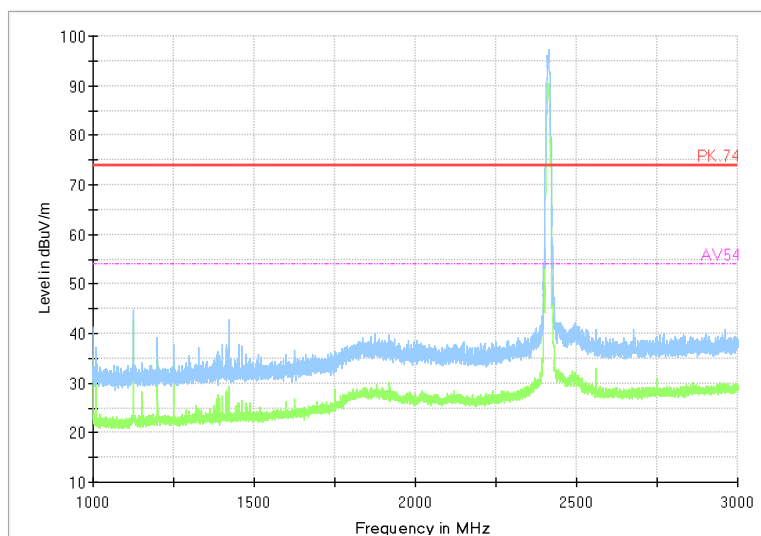


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11g

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

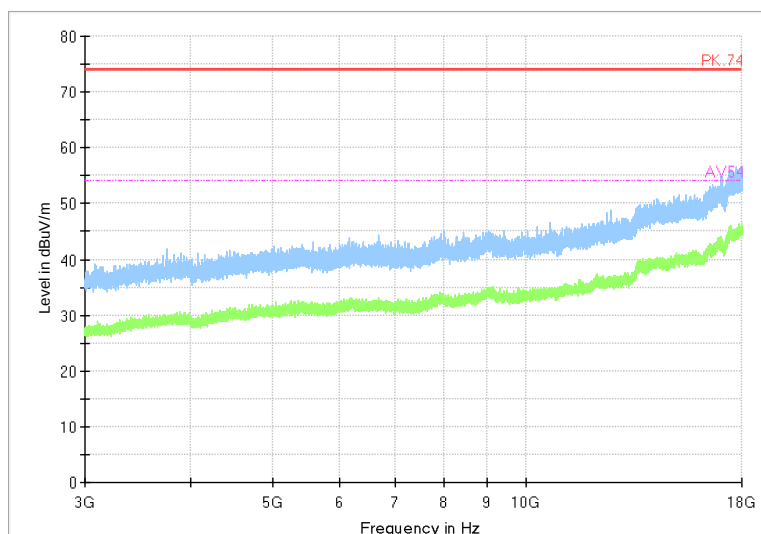
Modulation type: 802.11g



BUREAU
VERITAS

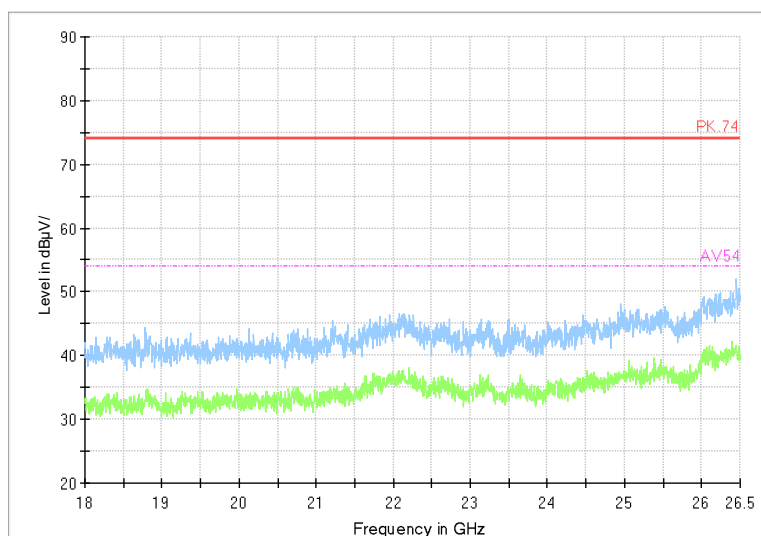
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



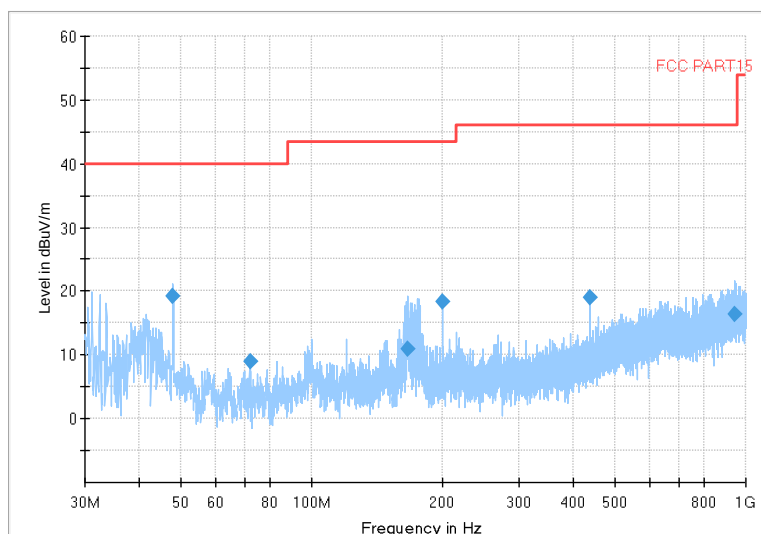
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



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VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum

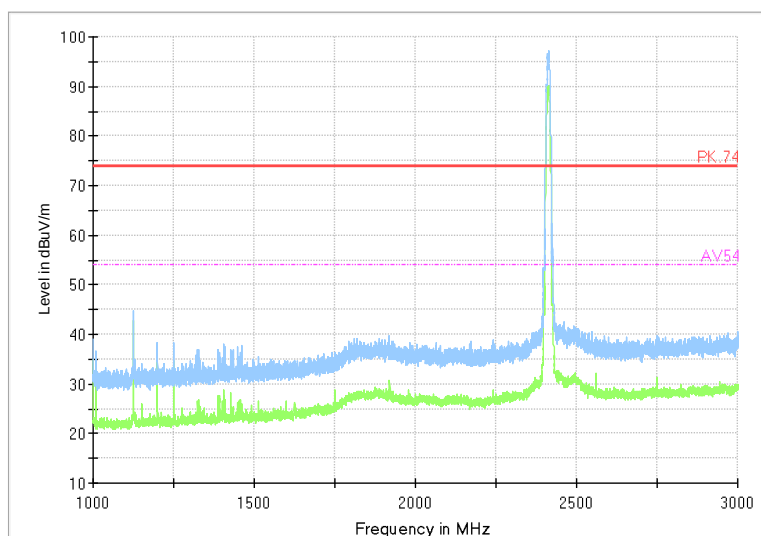


Frequency Range: 30MHz -1GHz

Detector:QP mode

Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

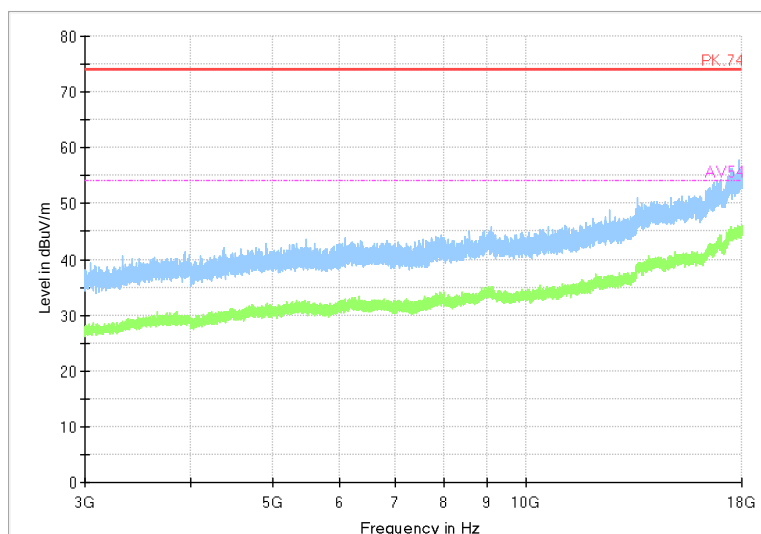
Modulation type: 802.11n(HT20)



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VERITAS

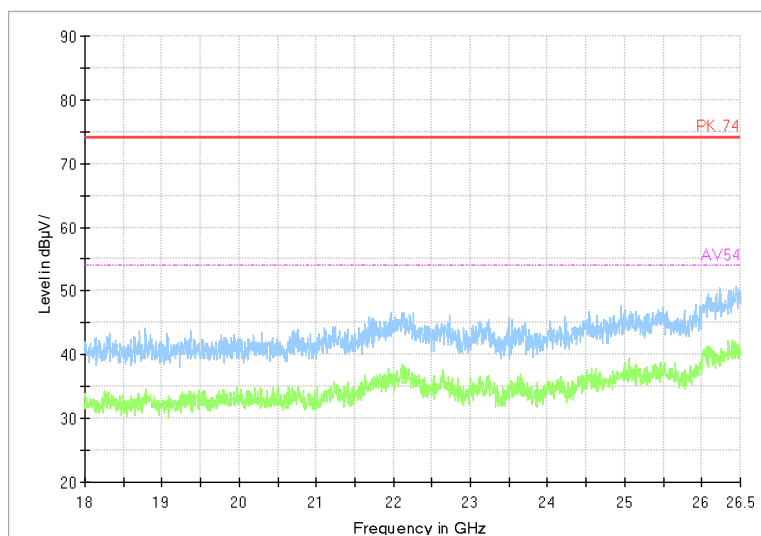
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



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



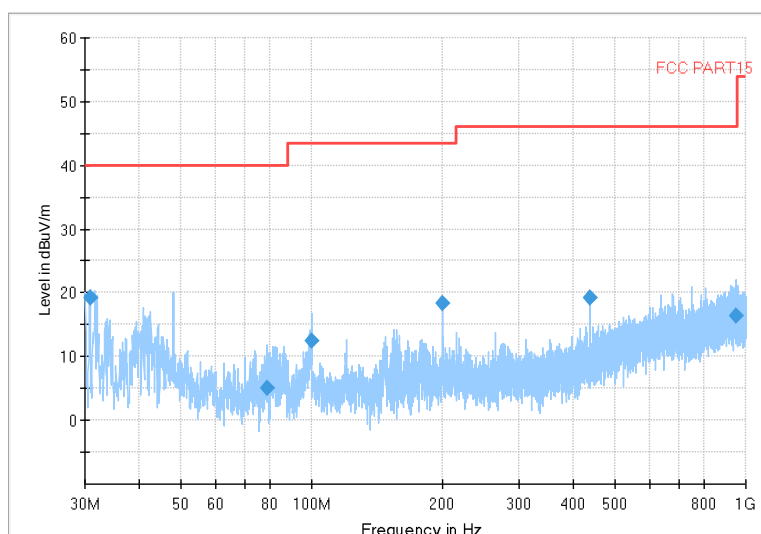
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VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Carrier frequency (MHz): 2437

Channel No.:6

Full Spectrum

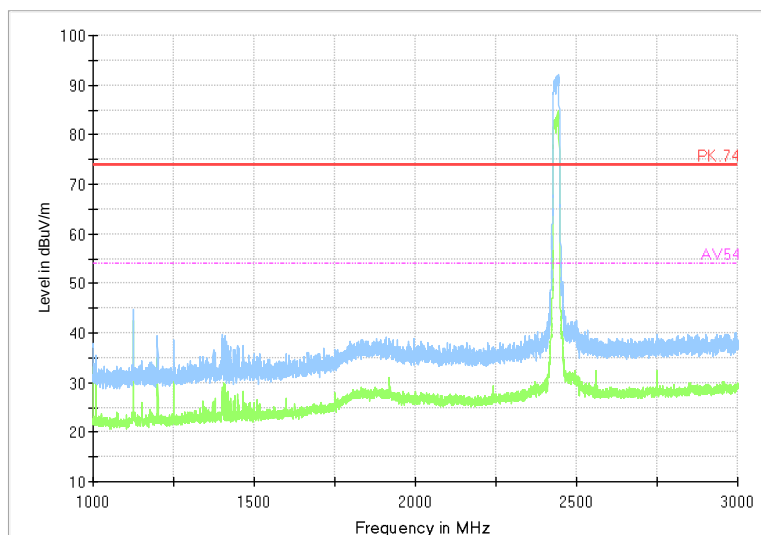


Frequency Range: 30MHz -1GHz

Detector:QP mode

Modulation type: 802.11b

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

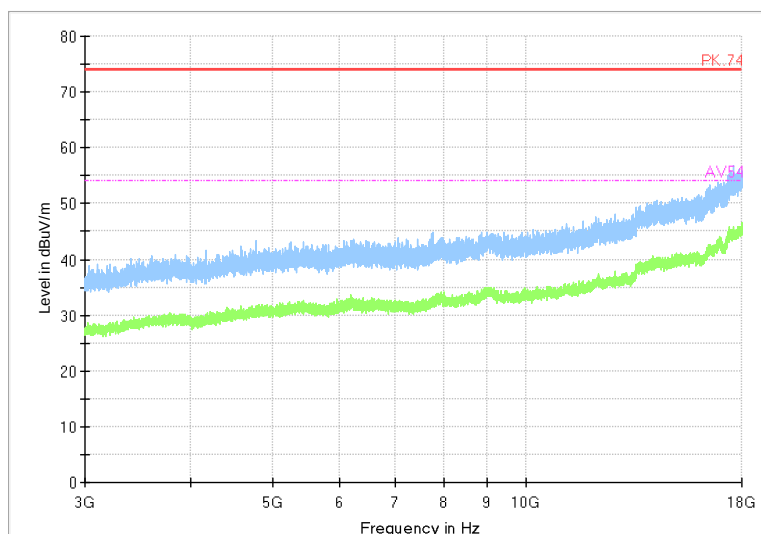
Modulation type: 802.11b



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VERITAS

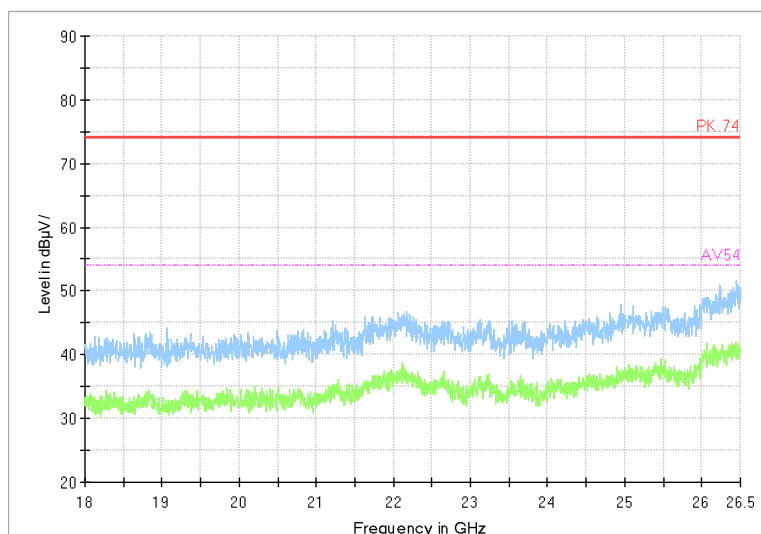
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



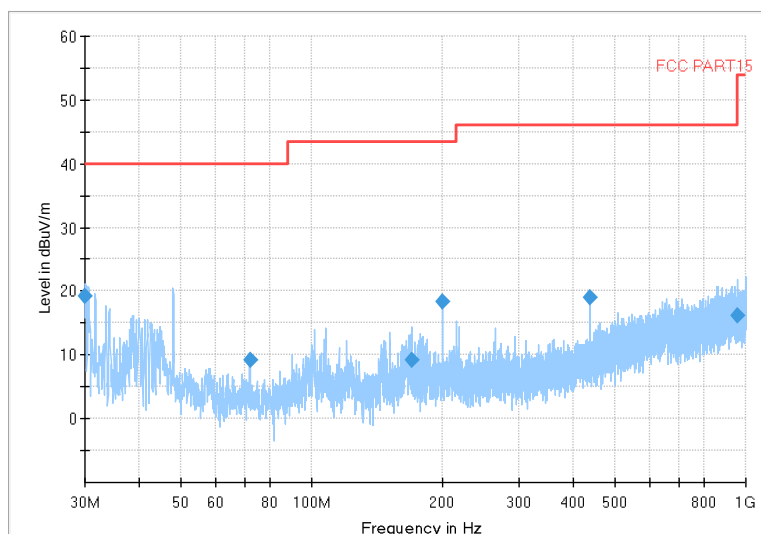
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



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VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum

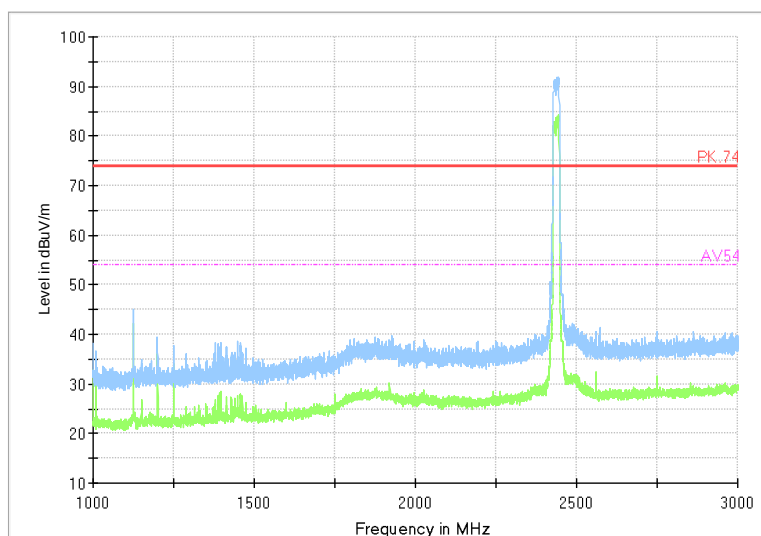


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11g

Full Spectrum



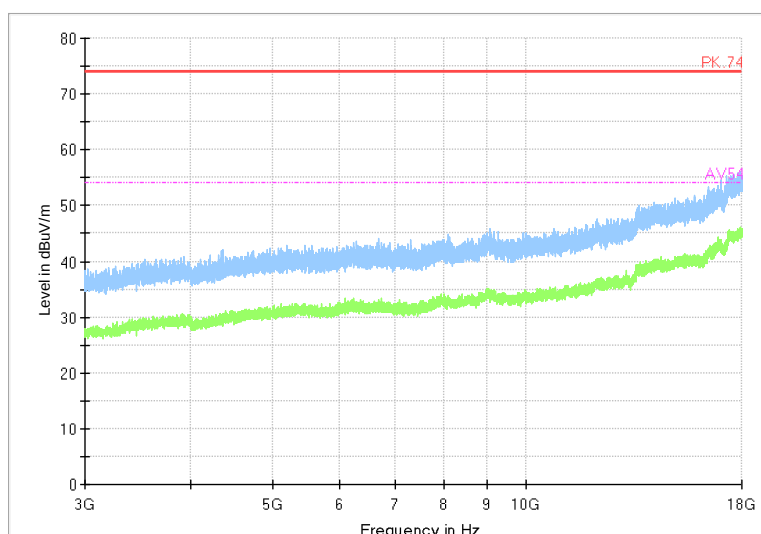
Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

Modulation type: 802.11g

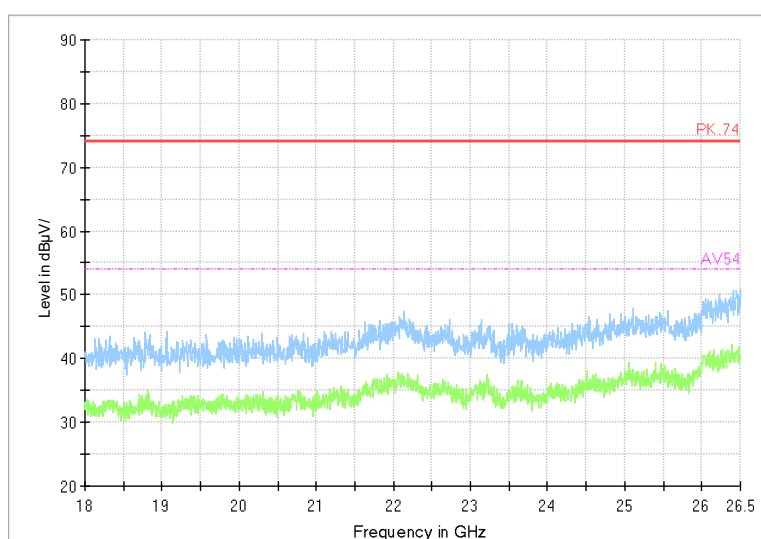


Full Spectrum



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

Full Spectrum



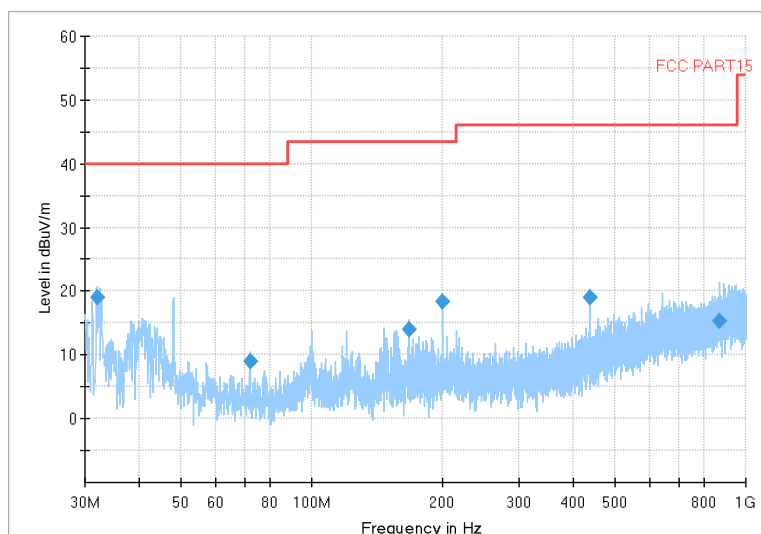
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



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Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum

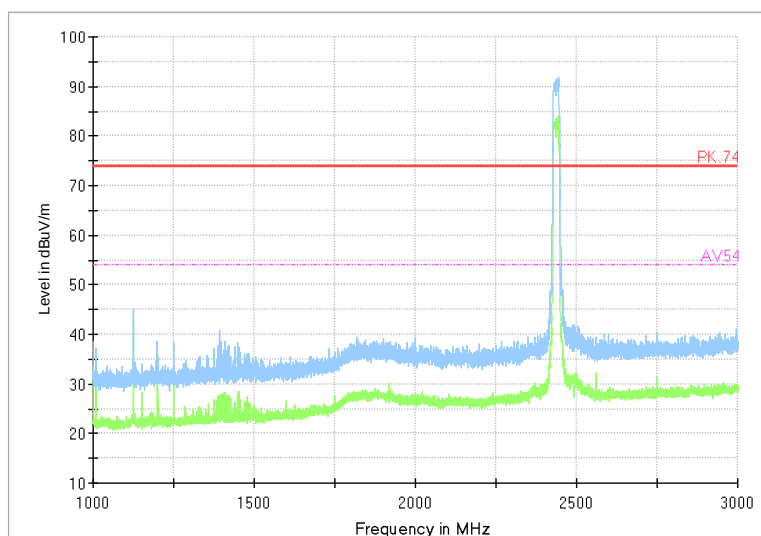


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

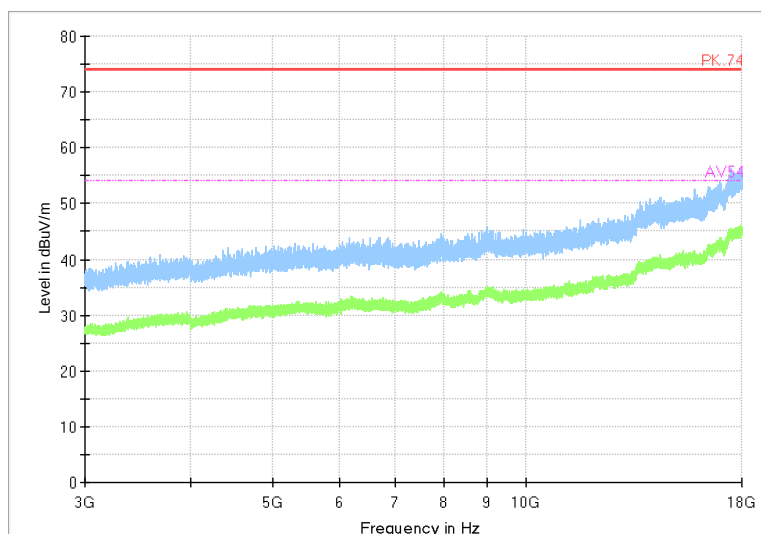
Modulation type: 802.11n(HT20)



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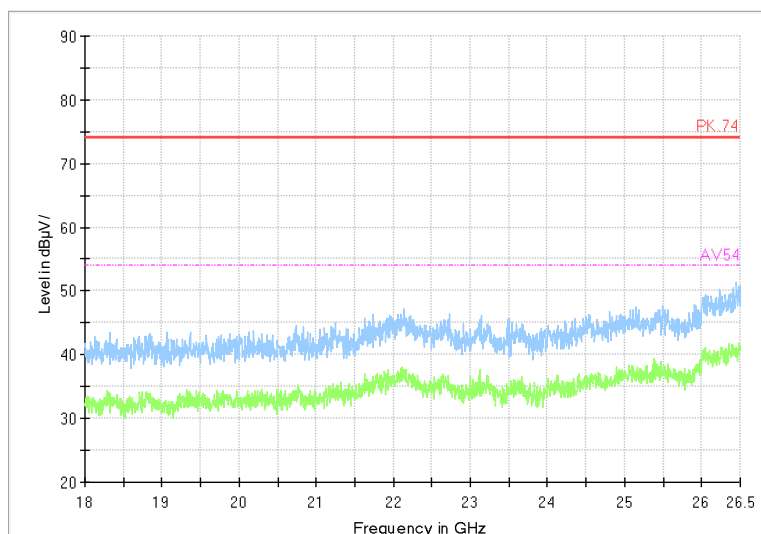
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



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



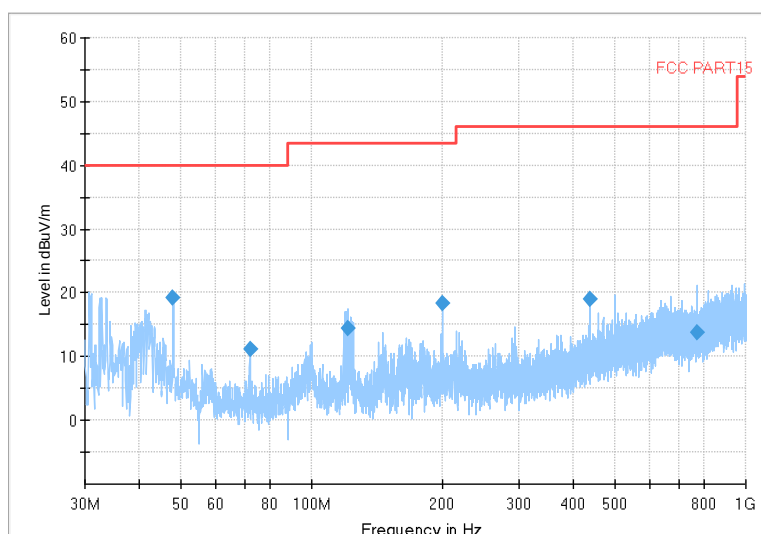
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VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Carrier frequency (MHz): 2462

Channel No.:11

Full Spectrum

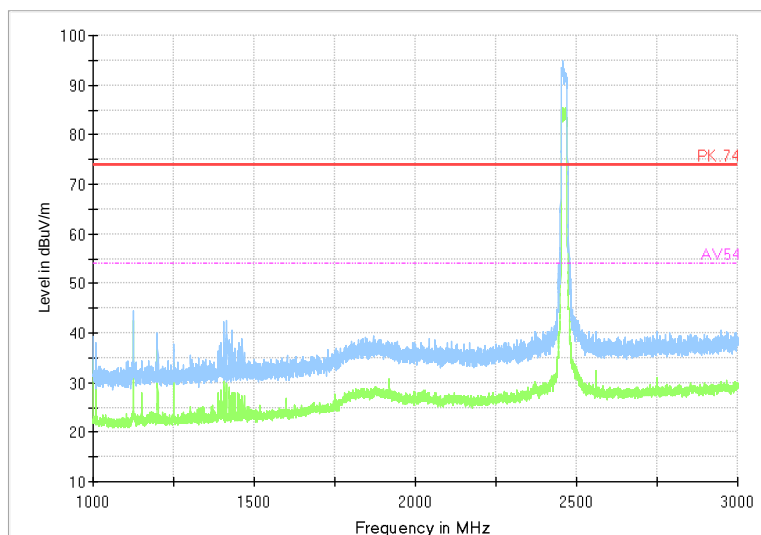


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11b

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

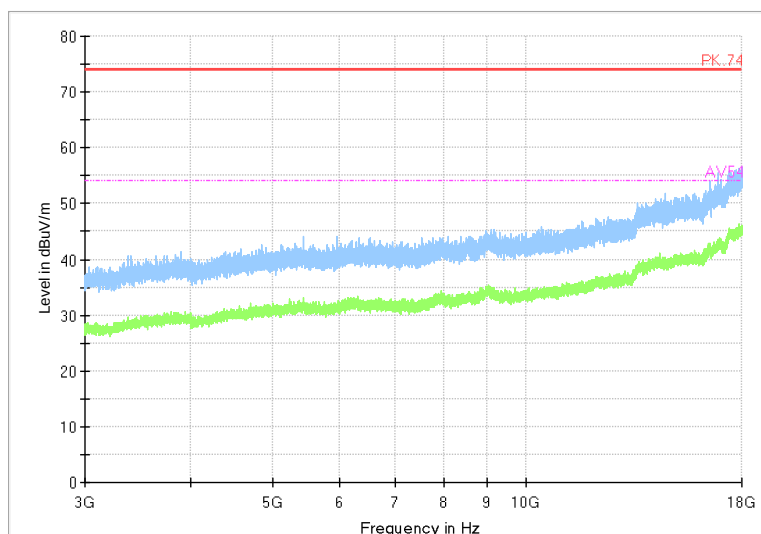
Modulation type: 802.11b



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VERITAS

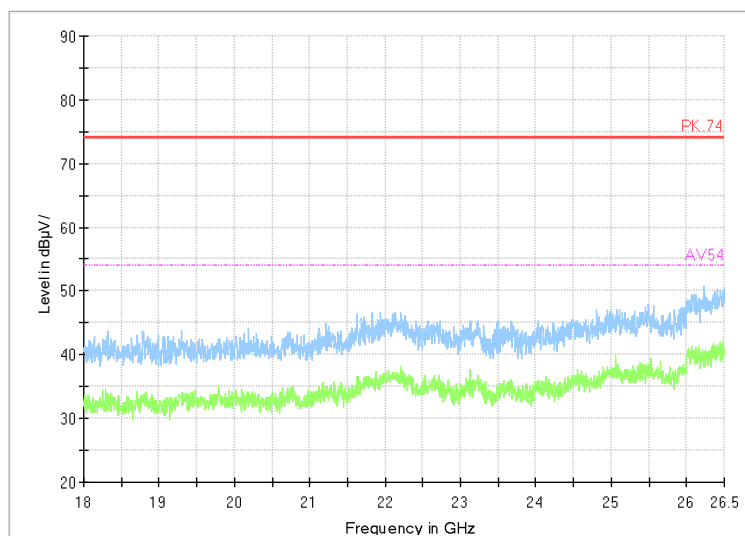
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



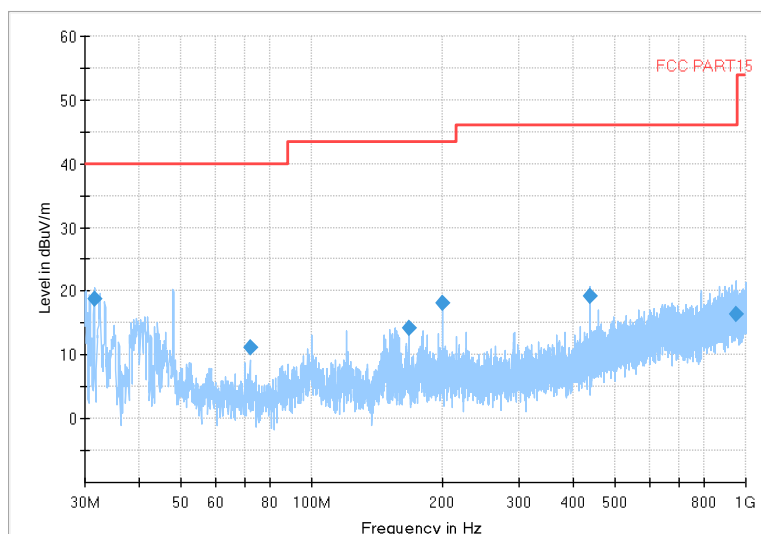
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



BUREAU
VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum

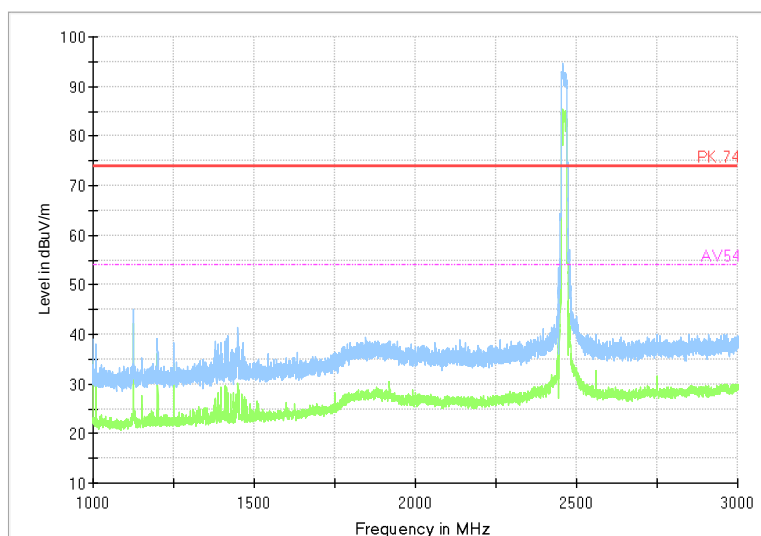


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11g

Full Spectrum



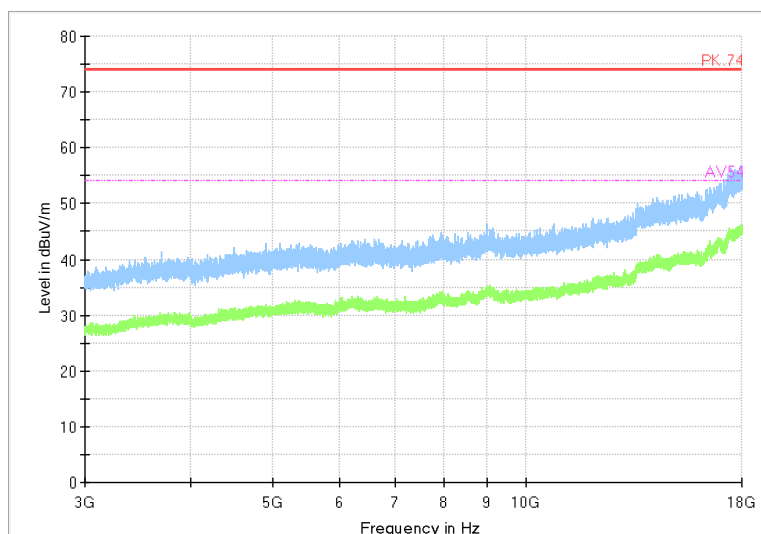
Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

Modulation type: 802.11g

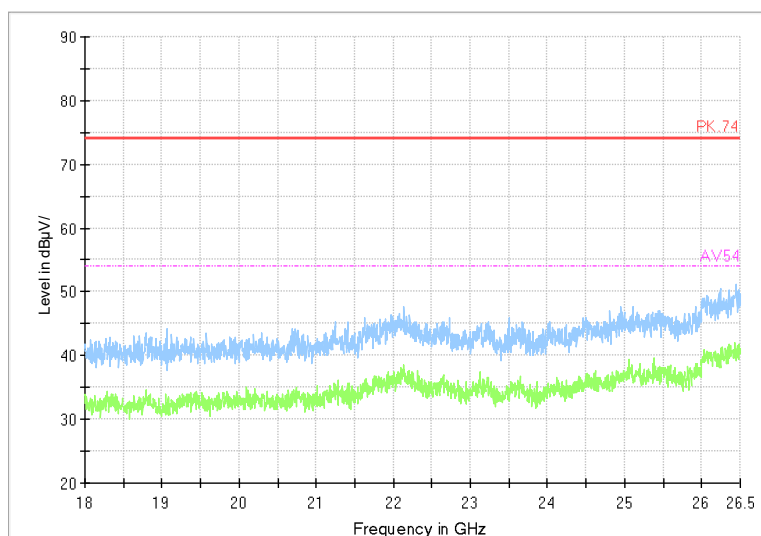


Full Spectrum



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

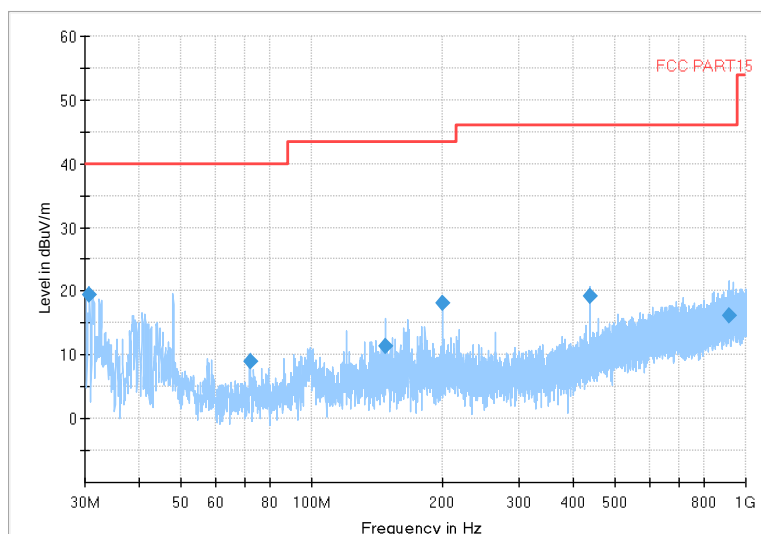
Full Spectrum



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



Full Spectrum

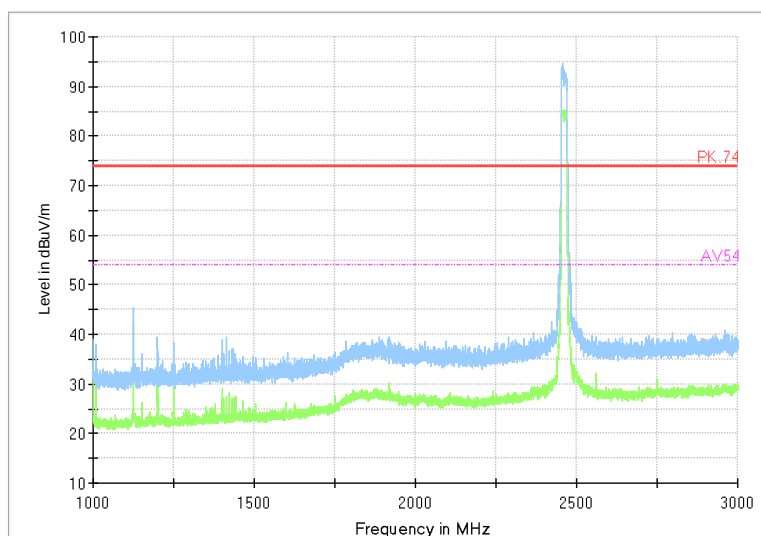


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

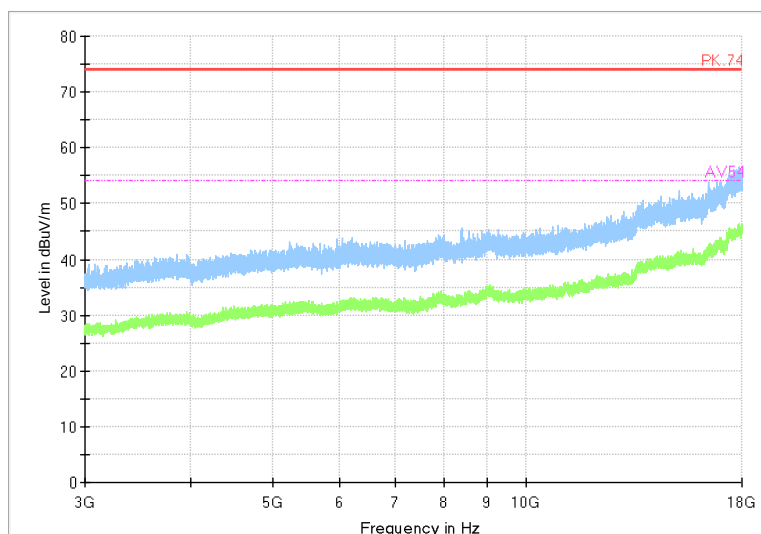
Modulation type: 802.11n(HT20)



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VERITAS

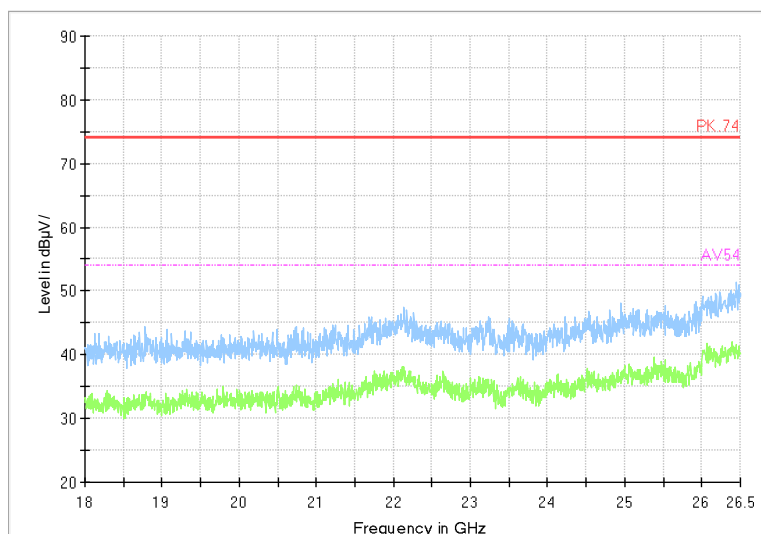
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



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



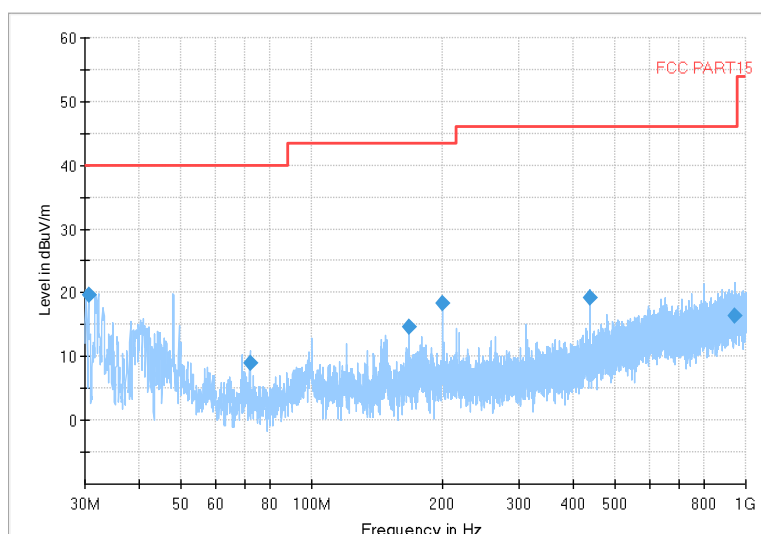
BUREAU
VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Carrier frequency (MHz): 2422

Channel No.:3

Full Spectrum

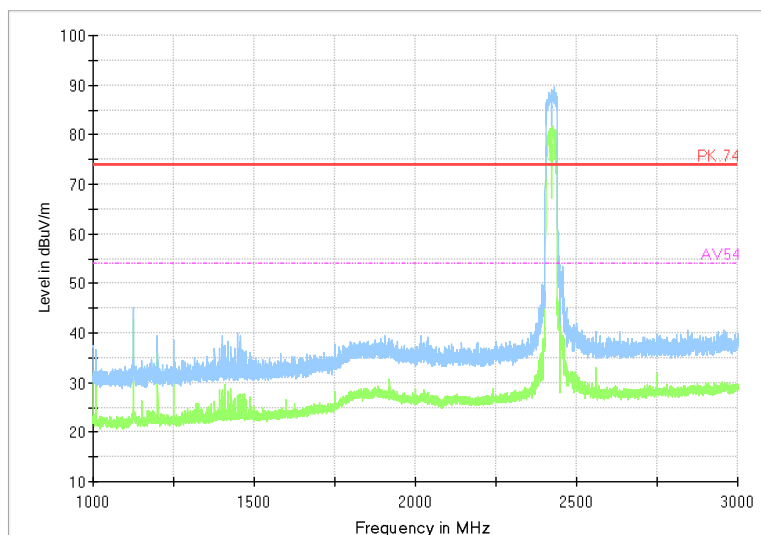


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

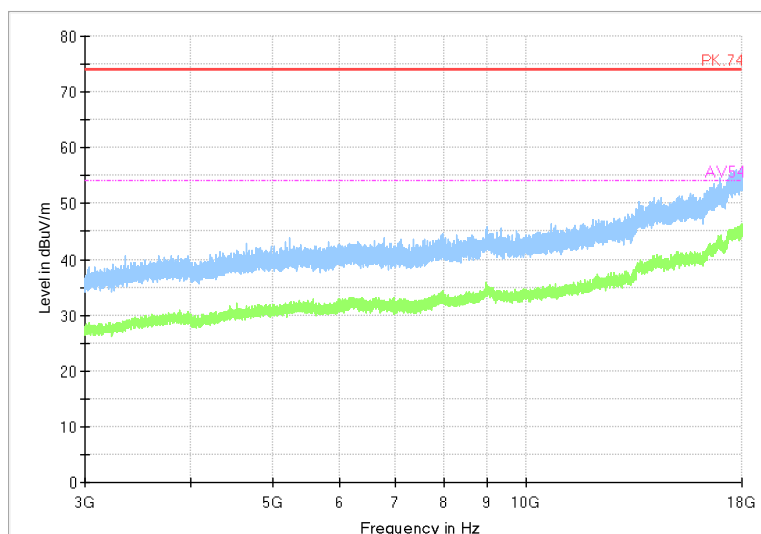
Modulation type: 802.11n(HT40)



BUREAU
VERITAS

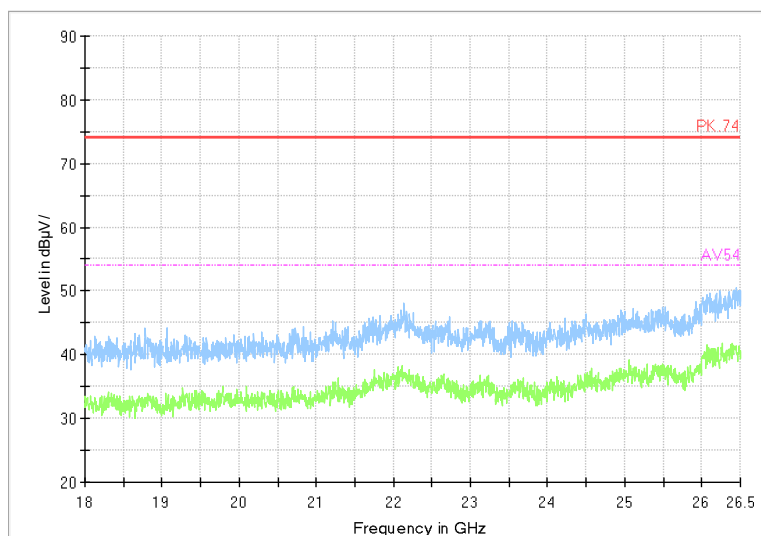
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



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



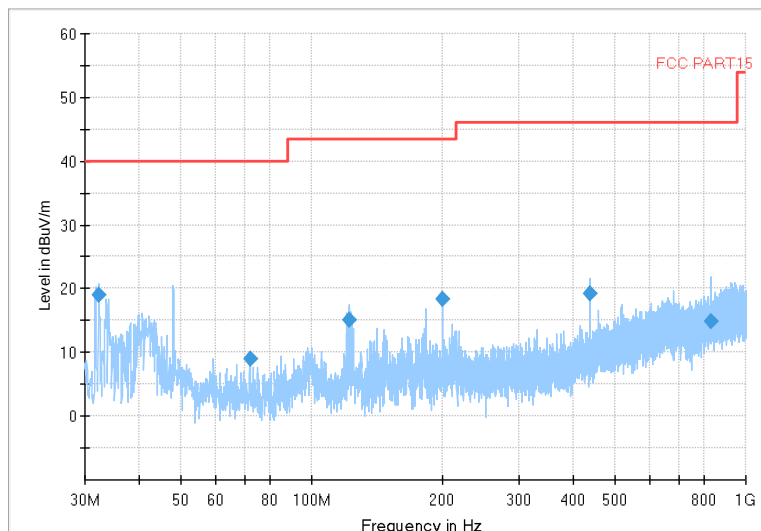
BUREAU
VERITAS

Test Report No.: PBJ-NQN2411050214RF01

Carrier frequency (MHz): 2437

Channel No.:6

Full Spectrum

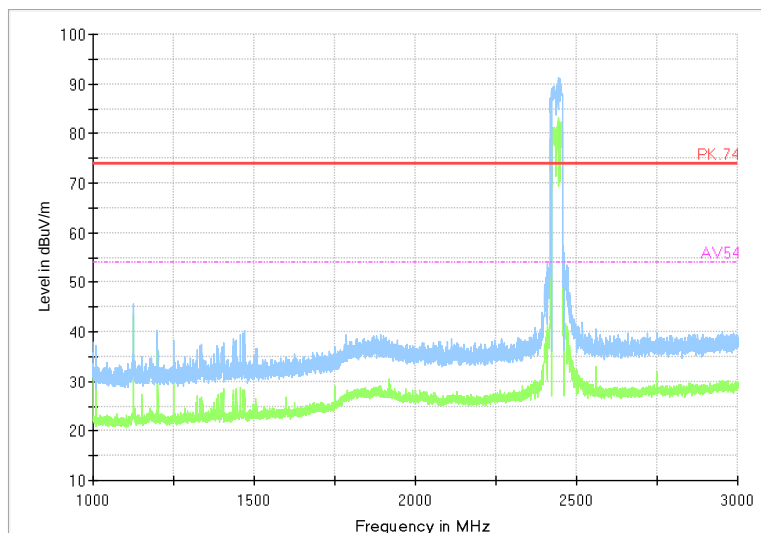


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

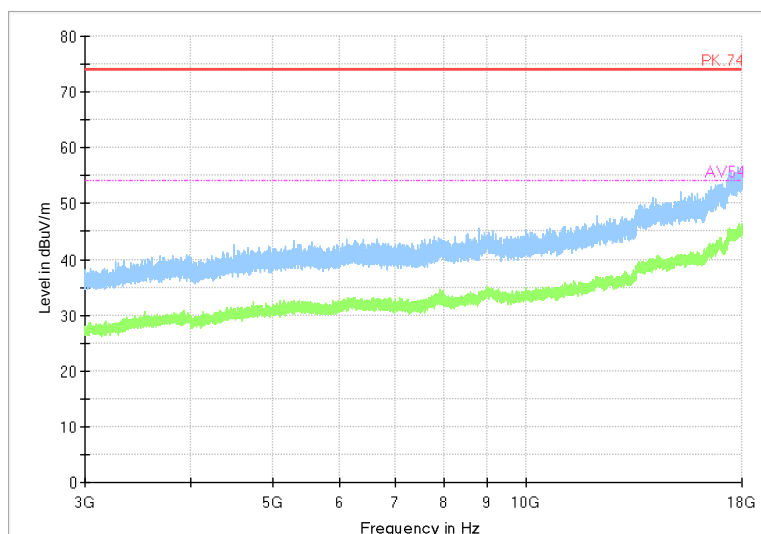
Modulation type: 802.11n(HT40)



BUREAU
VERITAS

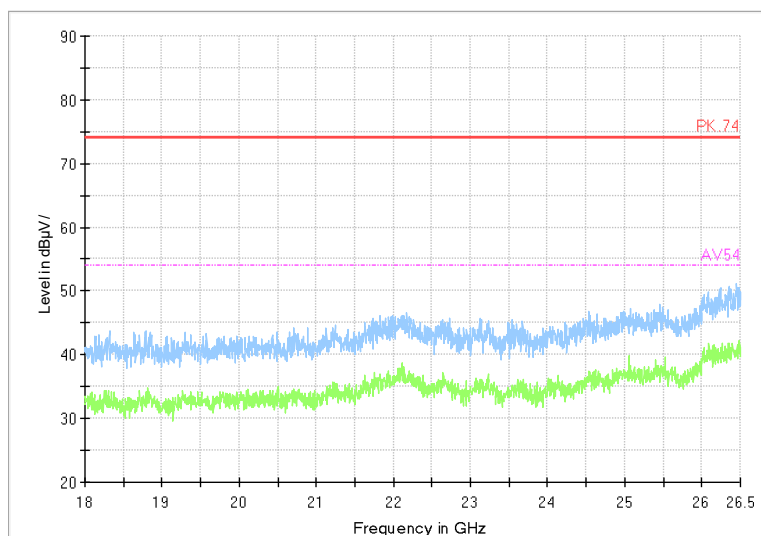
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum

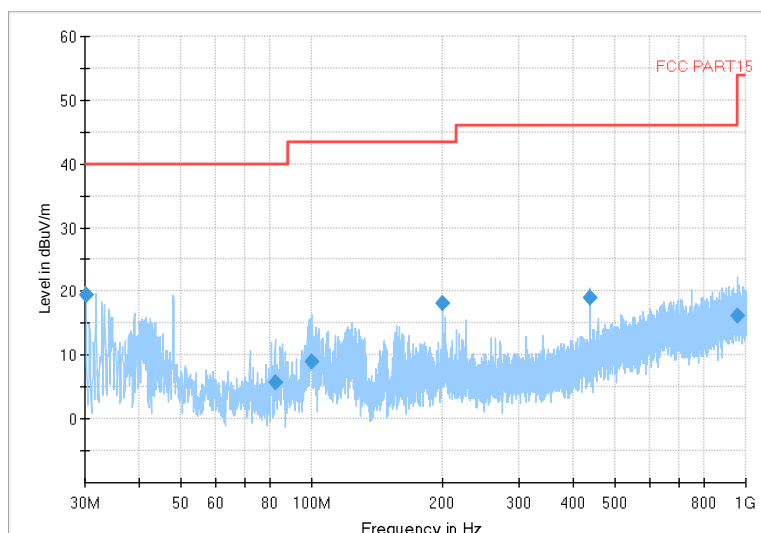


Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



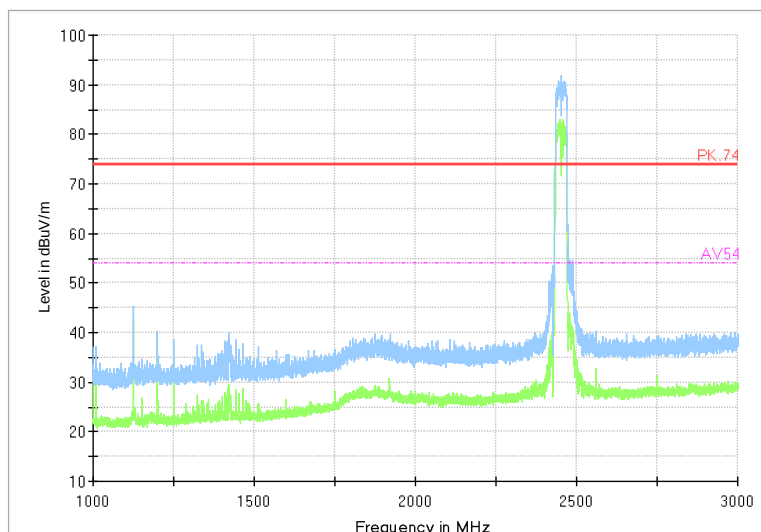
Carrier frequency (MHz): 2452
Channel No.:9

Full Spectrum



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

Full Spectrum



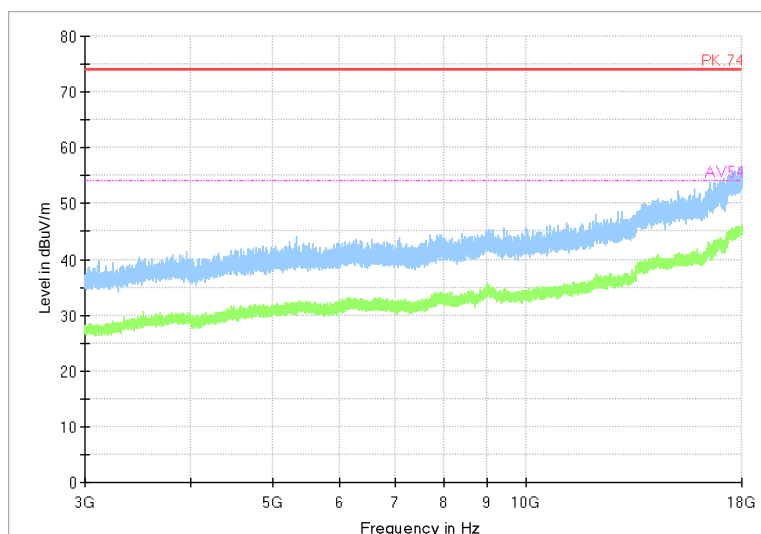
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



BUREAU
VERITAS

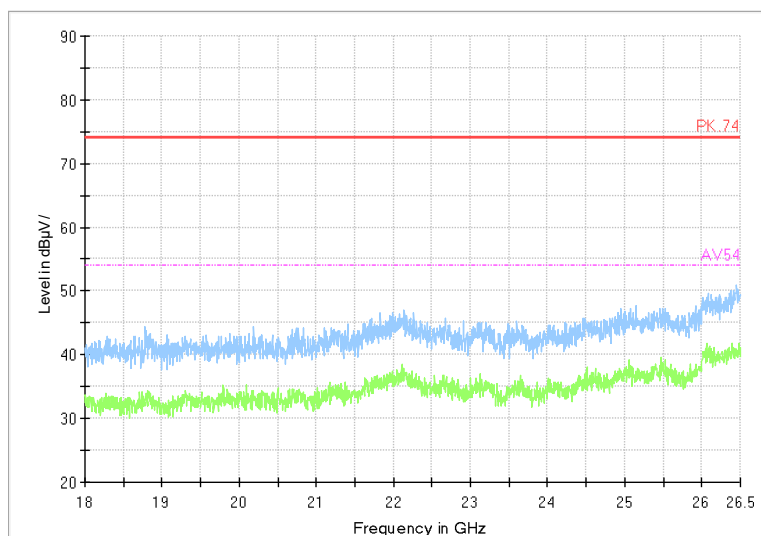
Test Report No.: PBJ-NQN2411050214RF01

Full Spectrum



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

Full Spectrum



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



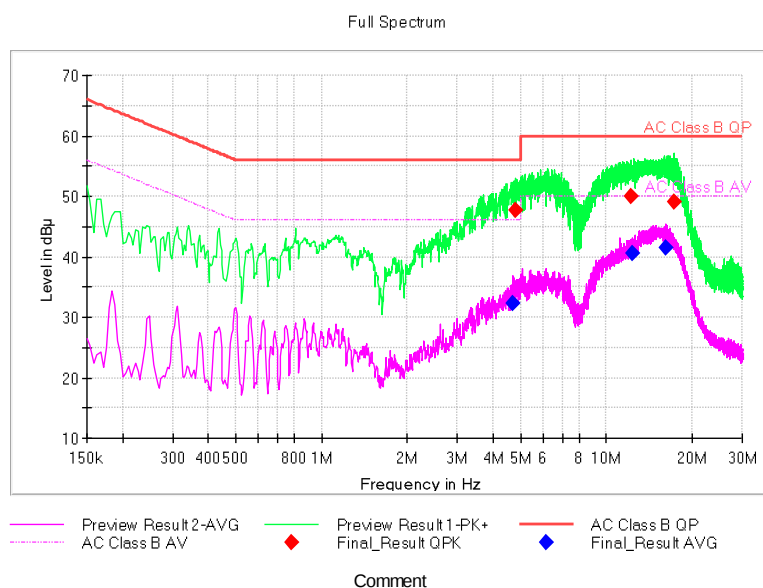
AC Power line Conducted Emission

A "reference path loss" Corr.(dB) is established and the $L_{\text{cable}} + \text{ATT} + \text{VDF}$ 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: $(32.27 \text{ dB}\mu\text{V}) = (2.57 \text{ dB}\mu\text{V}) + (29.7 \text{ dB})$, the corresponding frequency is 4.699993MHz.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PmeaQuasiPeak (dBμV)	PmeaAverage (dBμV)
4.699993	---	32.27	46	13.73	L1	29.7	---	2.57
4.77675	47.75	---	56	8.25	L1	29.7	18.05	---
12.22219	49.95	---	60	10.05	L1	29.9	20.05	---
12.37997	---	40.47	50	9.53	L1	29.9	---	10.57
16.13680	---	41.6	50	8.4	L1	30.1	---	11.5
17.23272	49.12	---	60	10.88	L1	30.1	19.02	---

---End of Test Report---