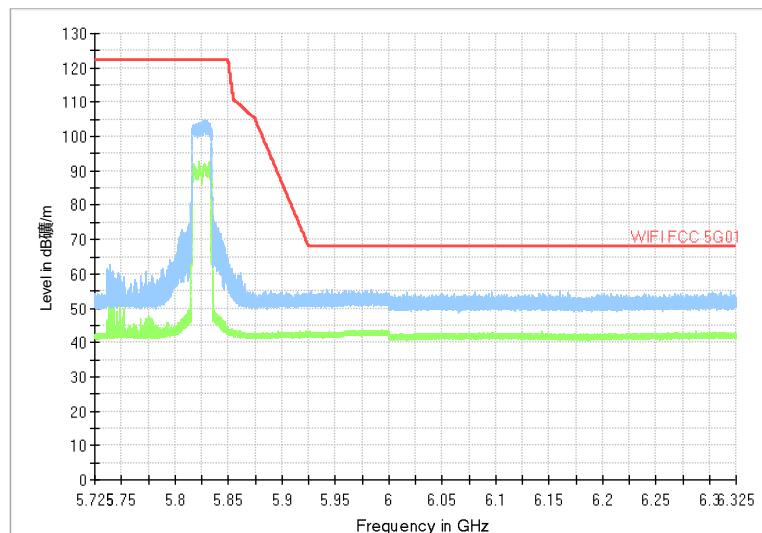




BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



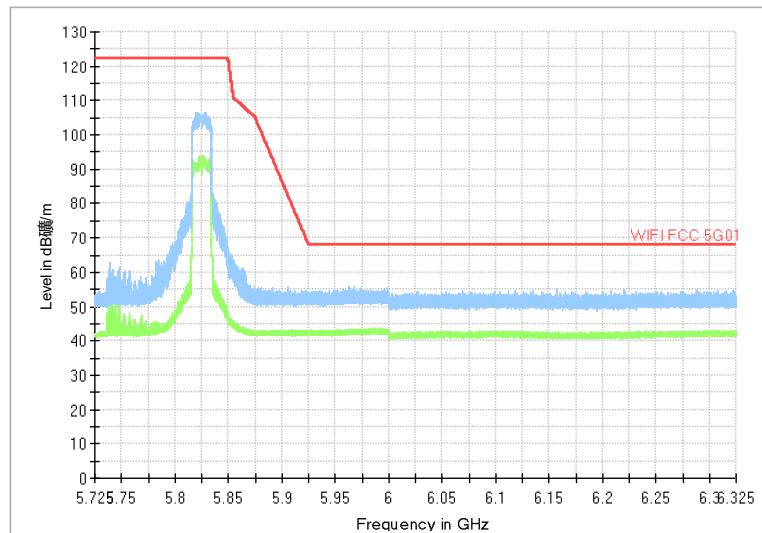
Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11ax



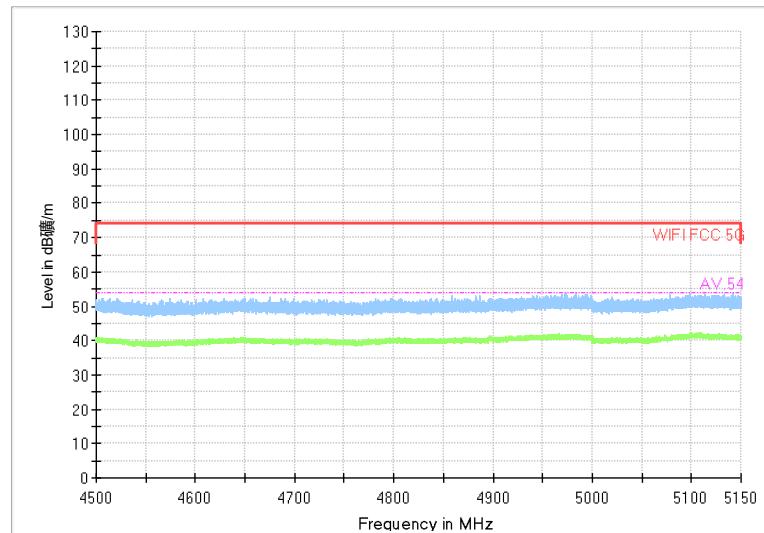
BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Polarization: H

40M

Full Spectrum



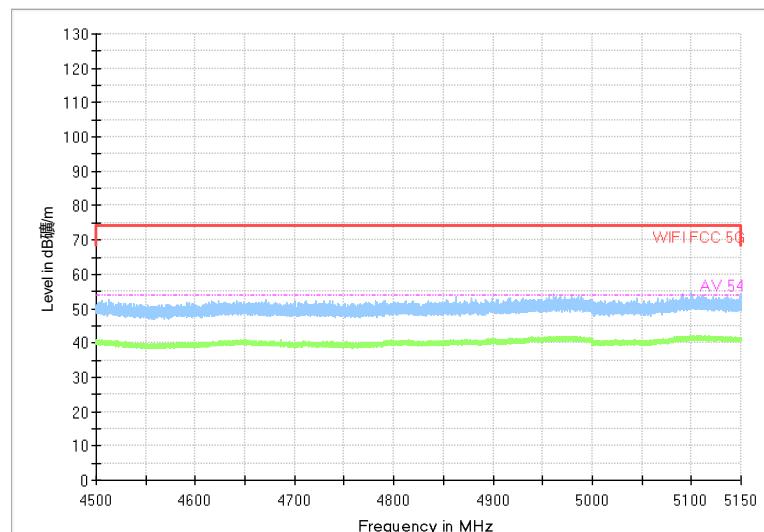
Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11n

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



Test Report No.: PSU-NQN2502260117RF03

Channel No.:38

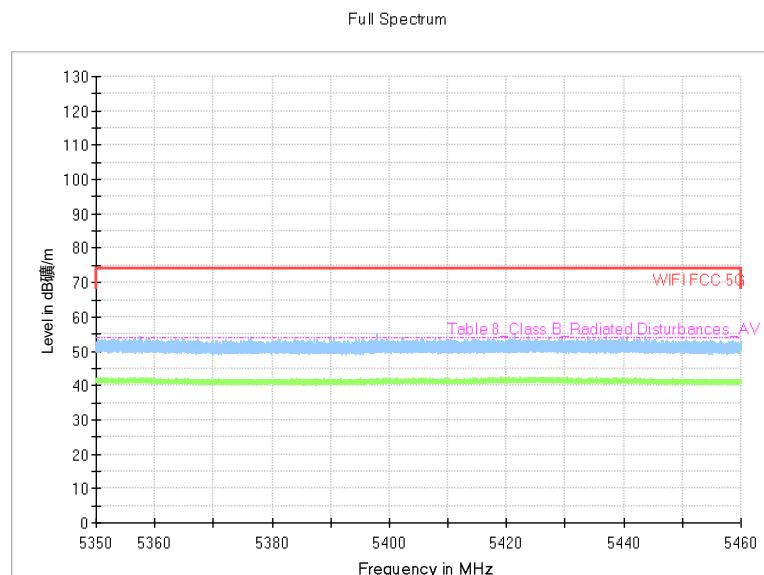
Test Mode: 802.11n

Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

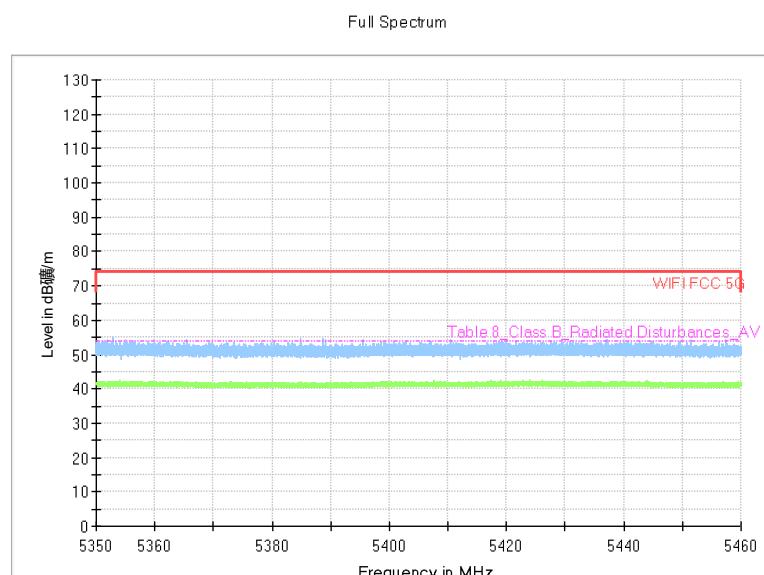


Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11n

Polarization: V



Radiated Emission Band Edge

Channel No.:62

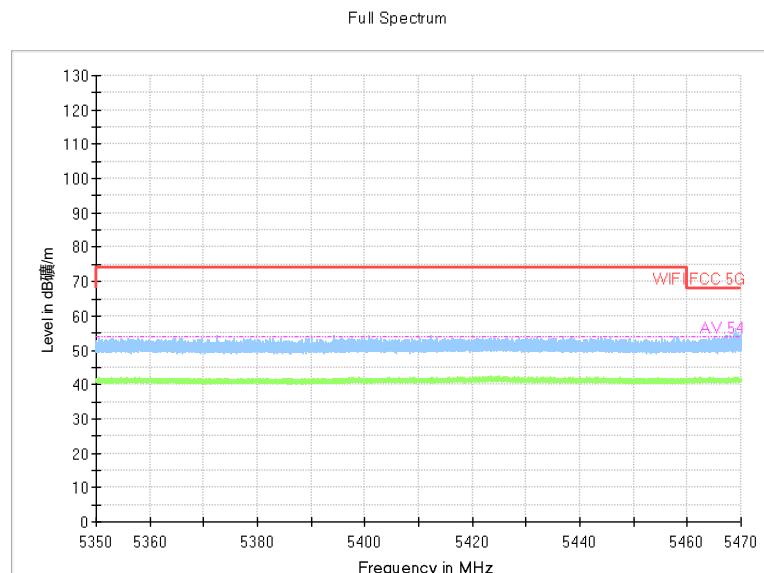
Test Mode: 802.11n



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Polarization: H

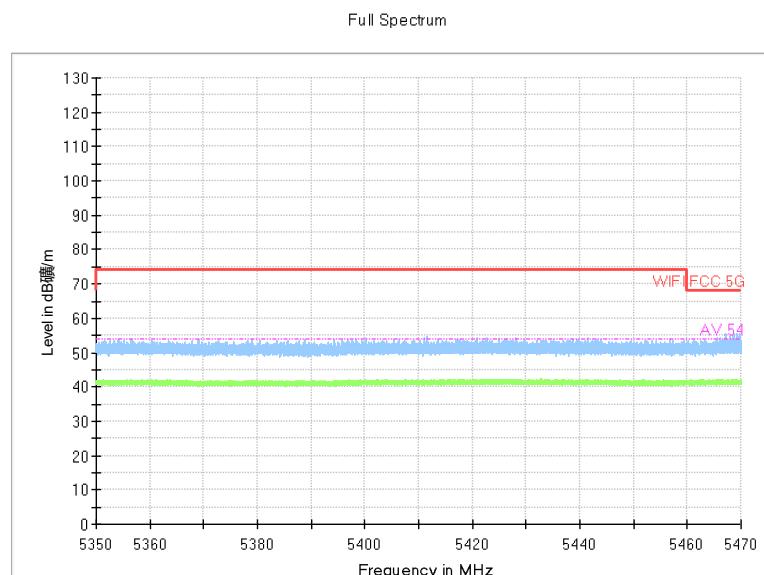


Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11n

Polarization: V



Radiated Emission Band Edge

Channel No.:102



Test Report No.: PSU-NQN2502260117RF03

Test Mode: 802.11n

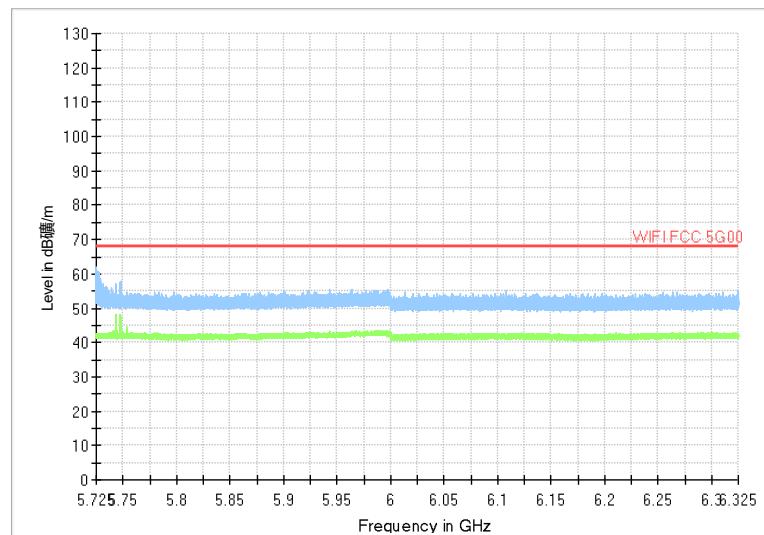
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



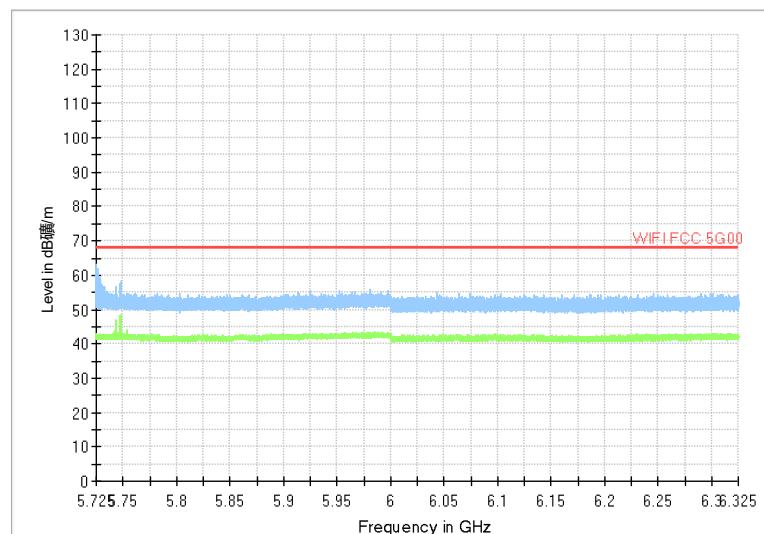
Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11n

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11n

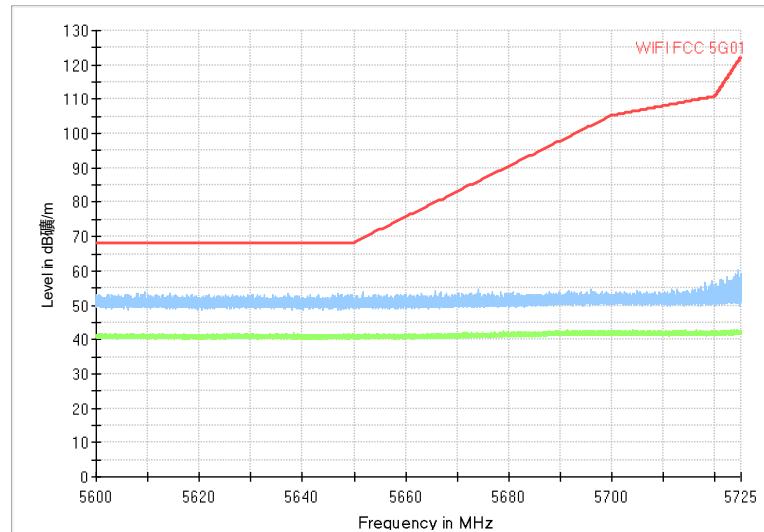
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



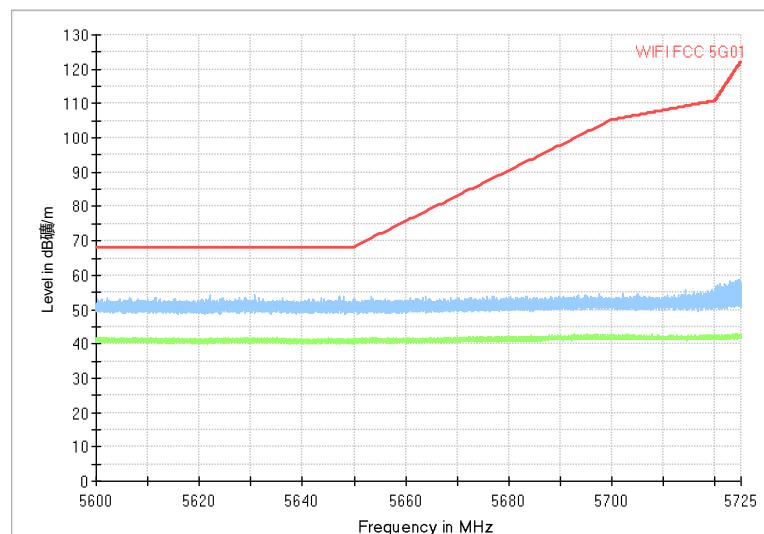
Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11n

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11n

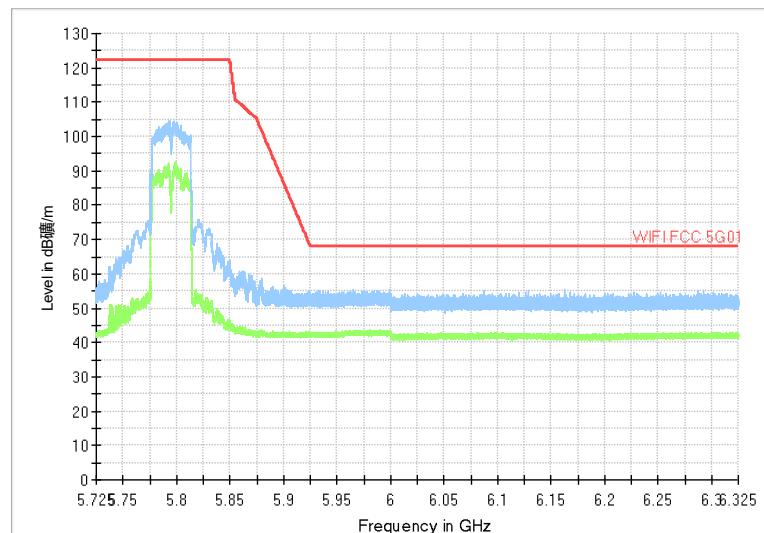
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



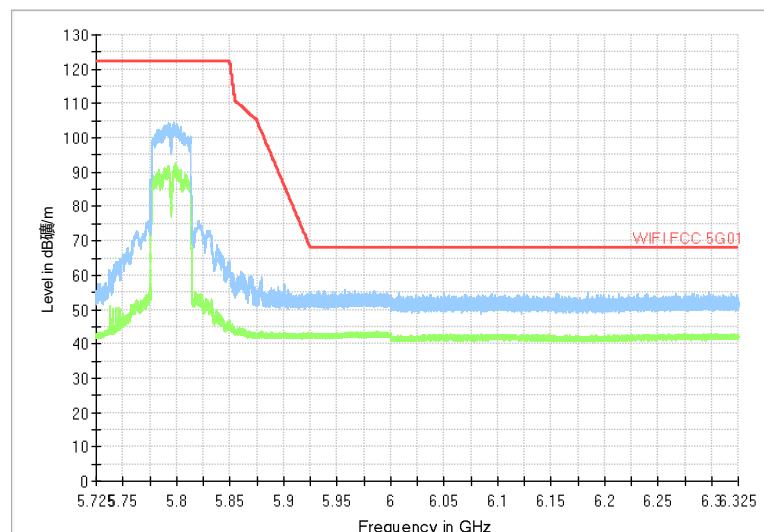
Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11n

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11n

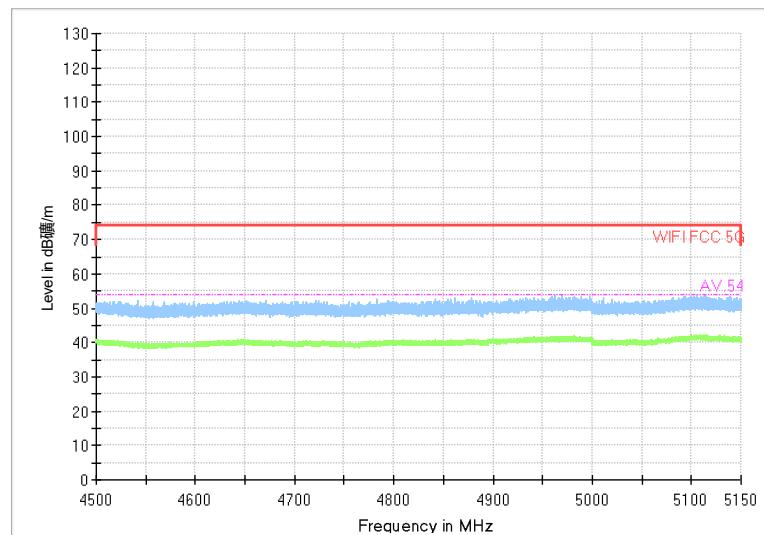
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



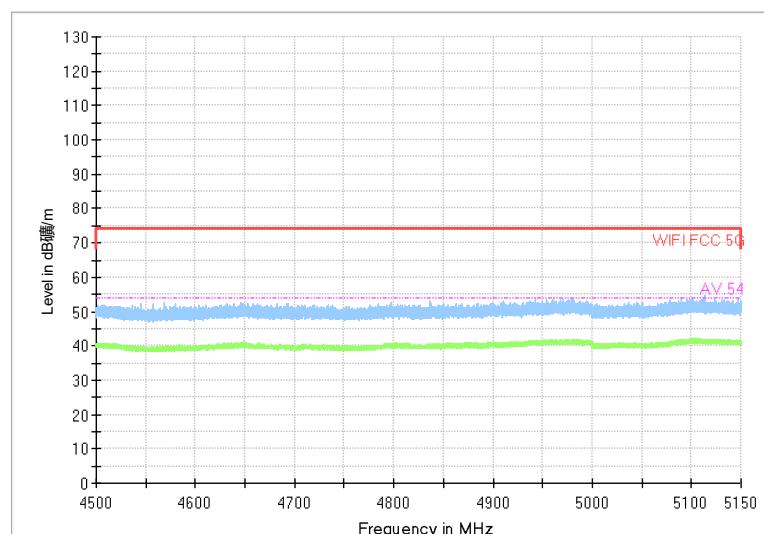
Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ac

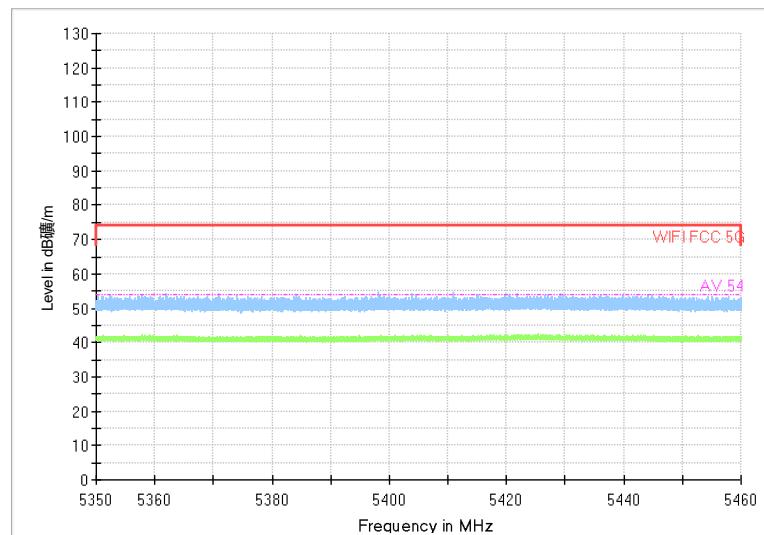
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



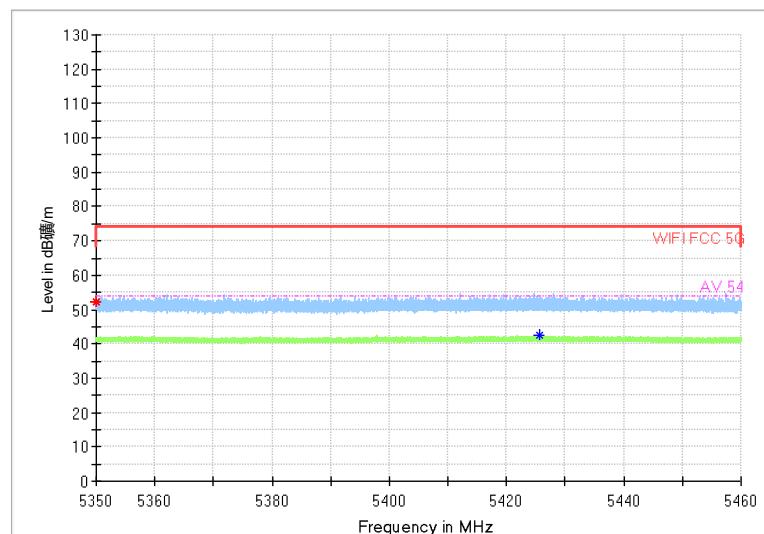
Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ac

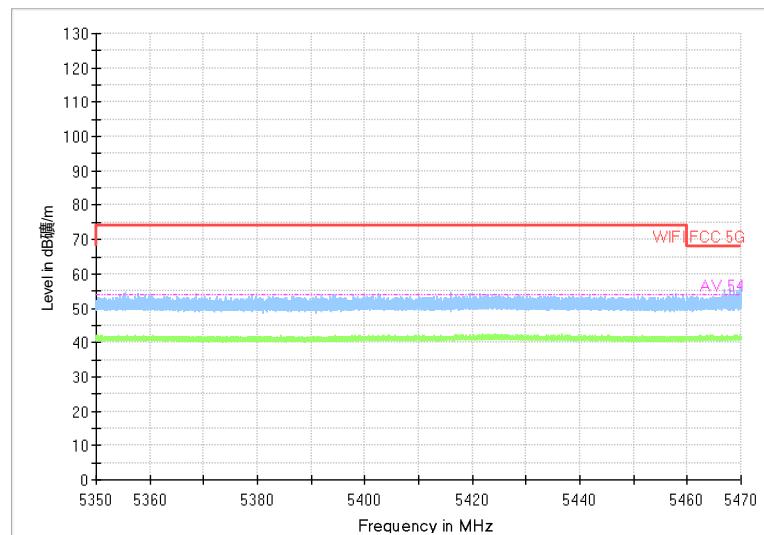
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



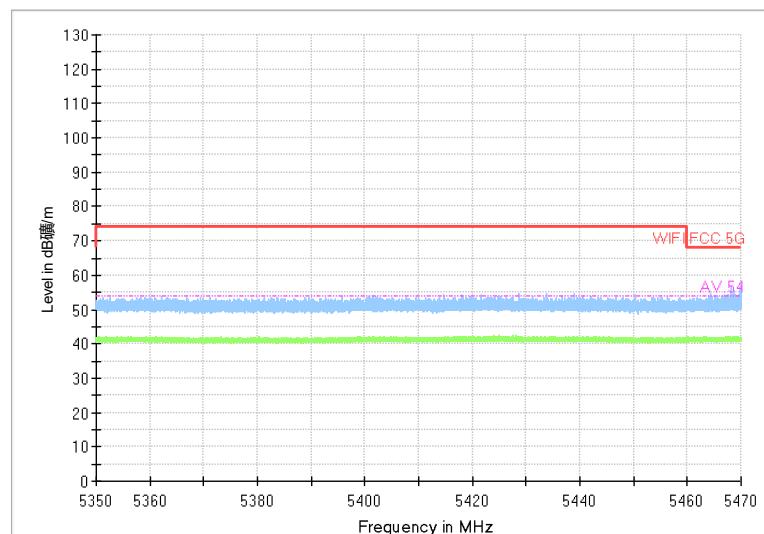
Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ac

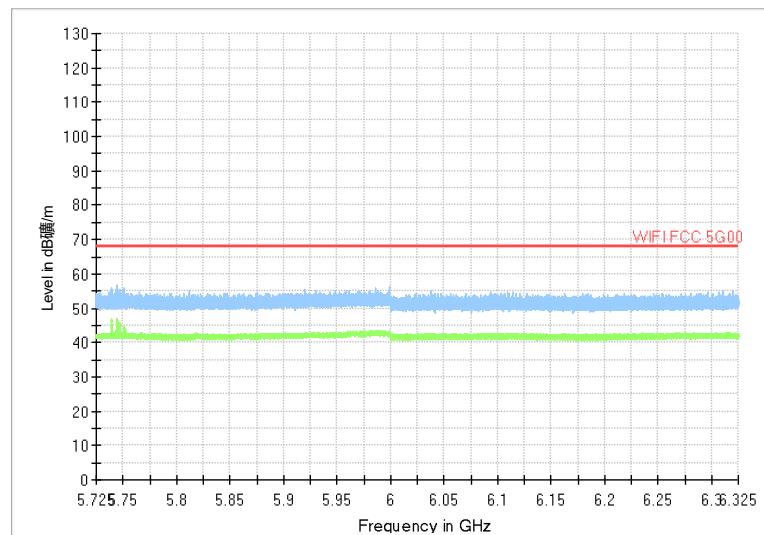
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



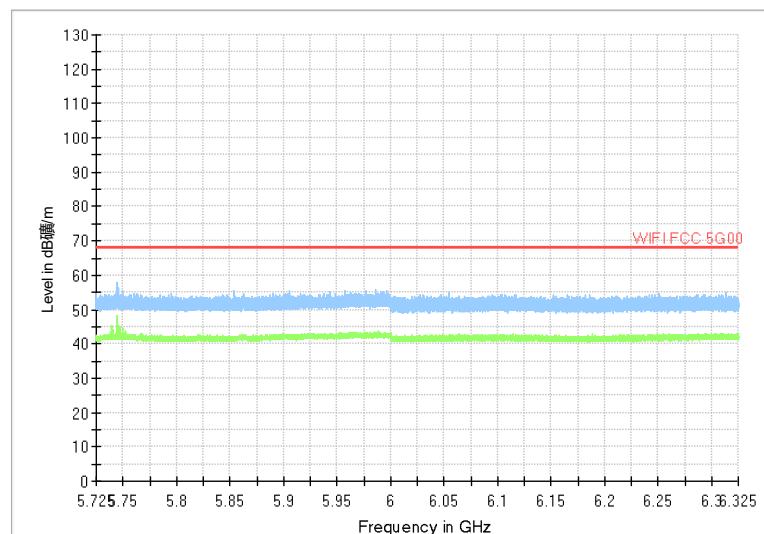
Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ac

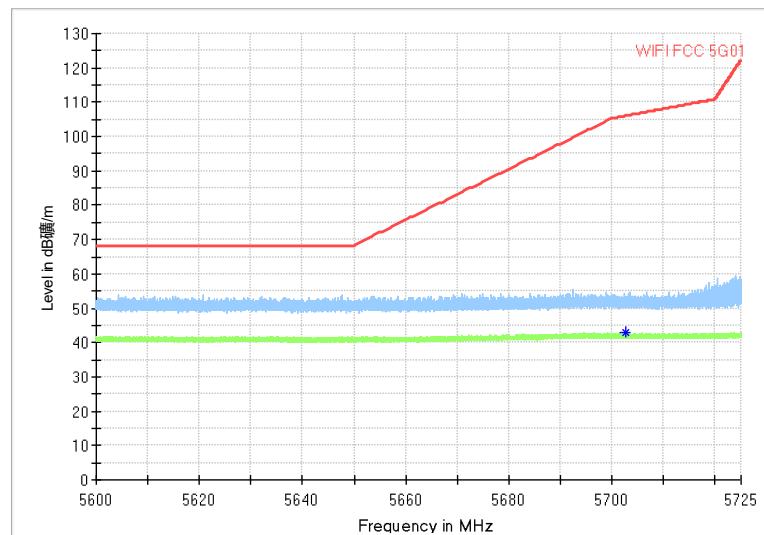
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



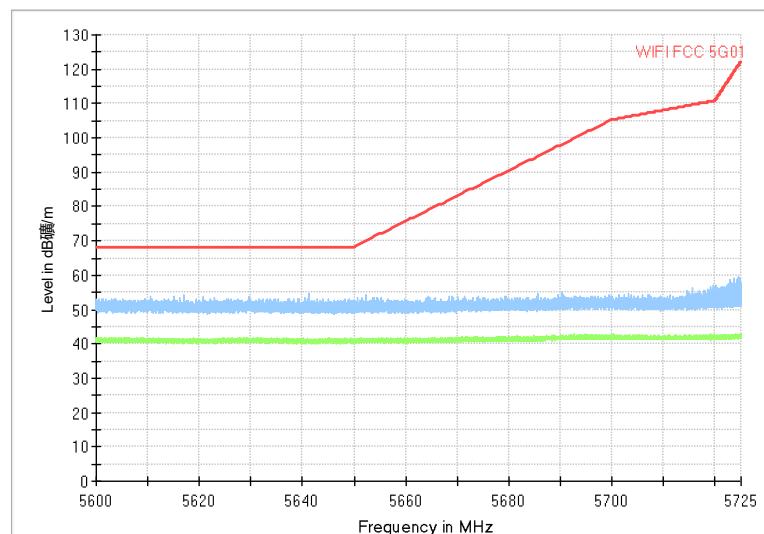
Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ac

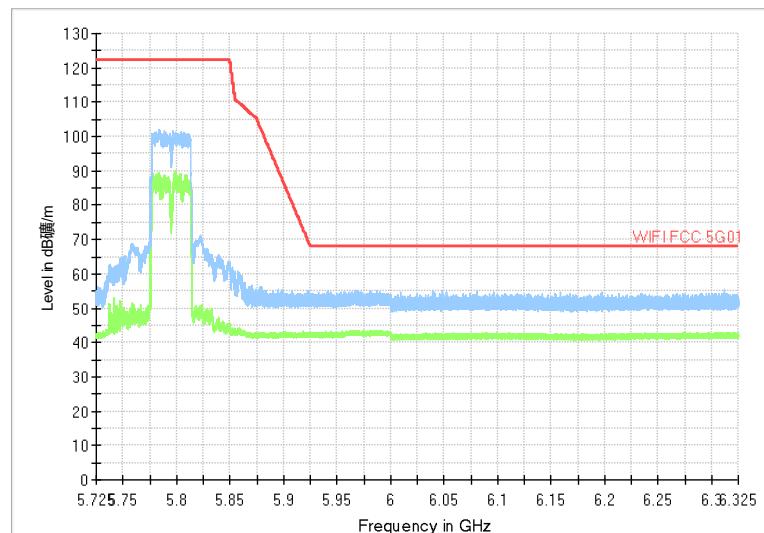
Polarization: H



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VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



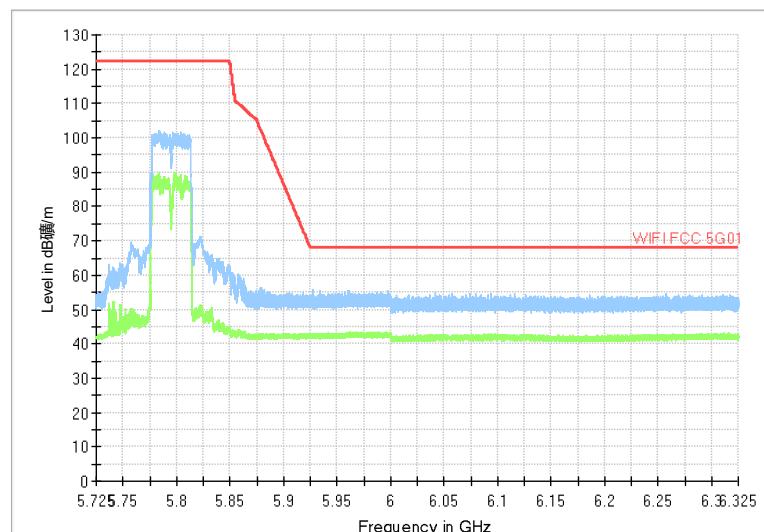
Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ac

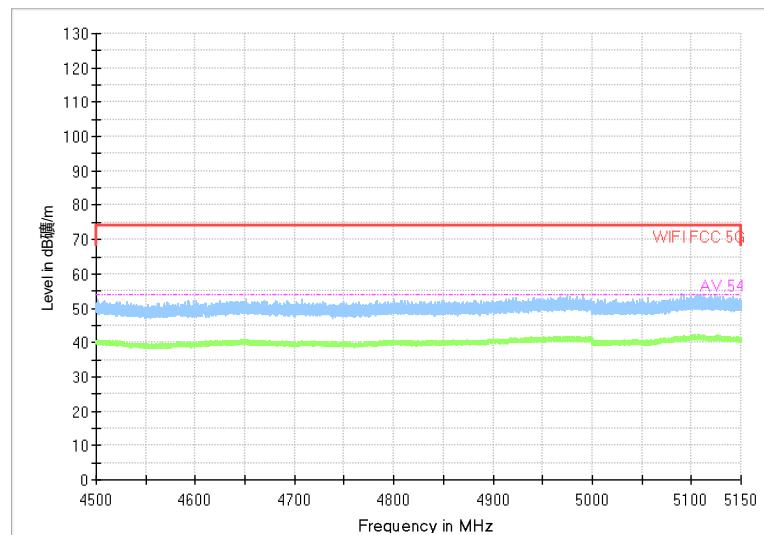
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



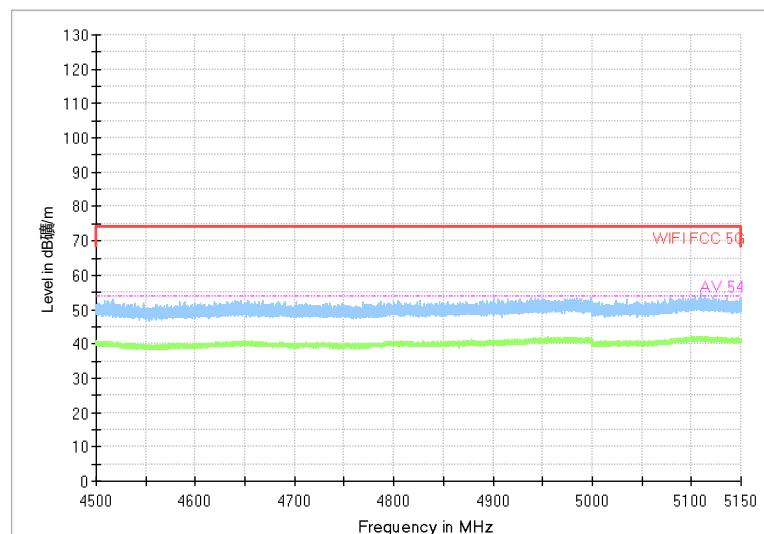
Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ax

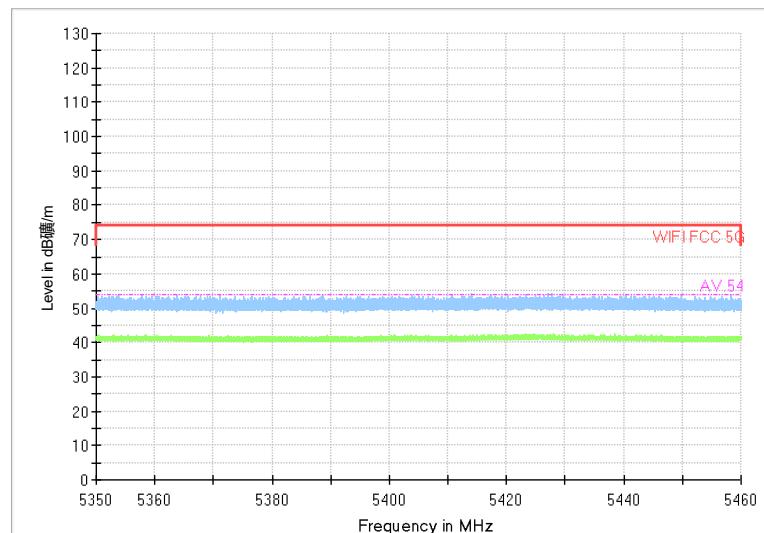
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



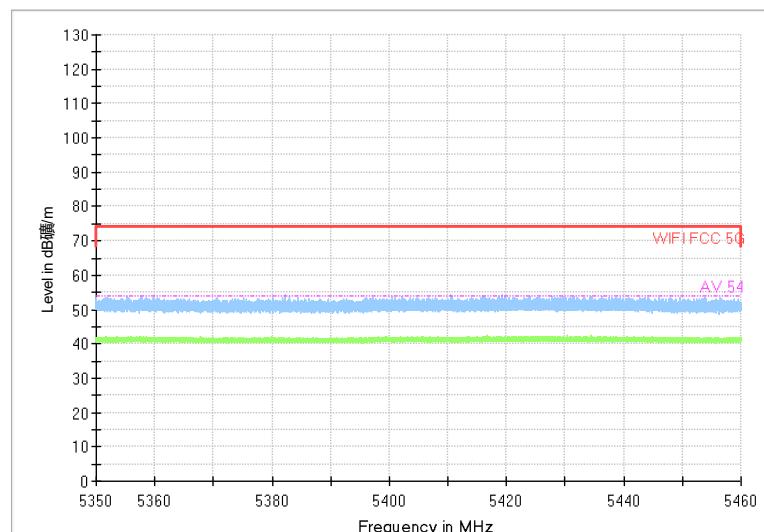
Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ax

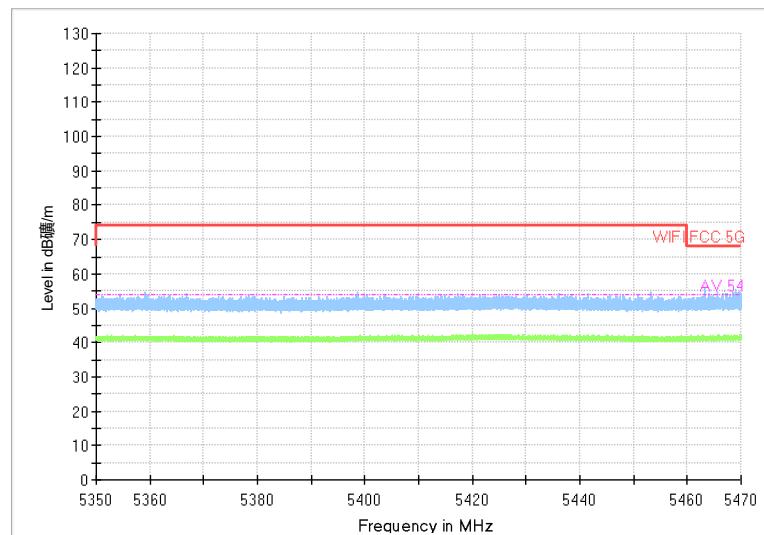
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



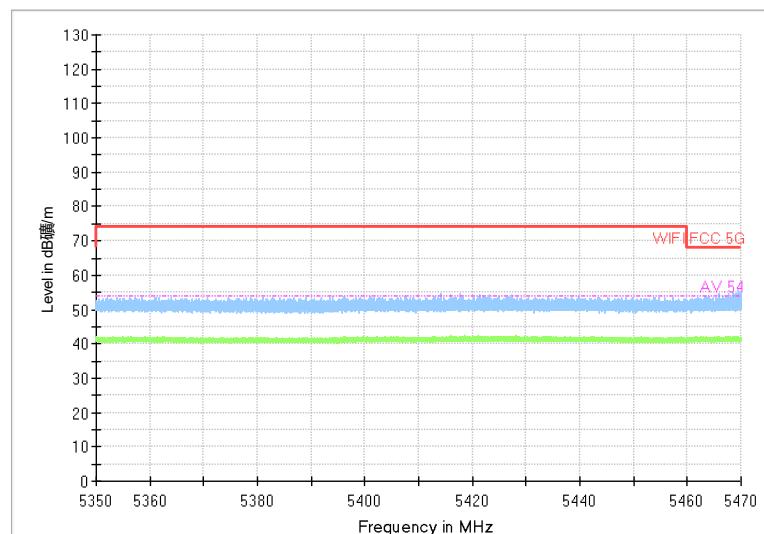
Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ax

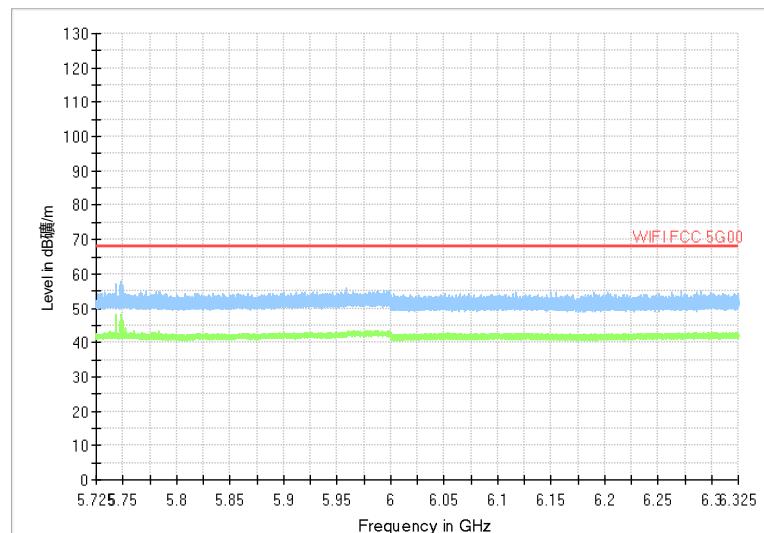
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



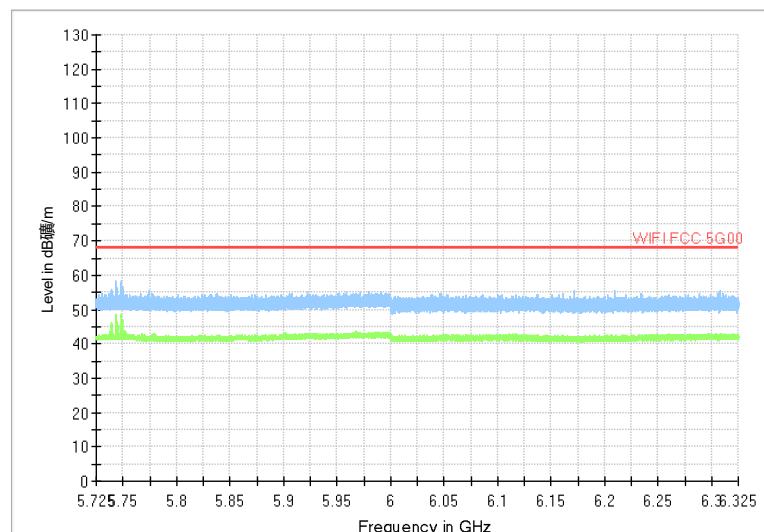
Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ax

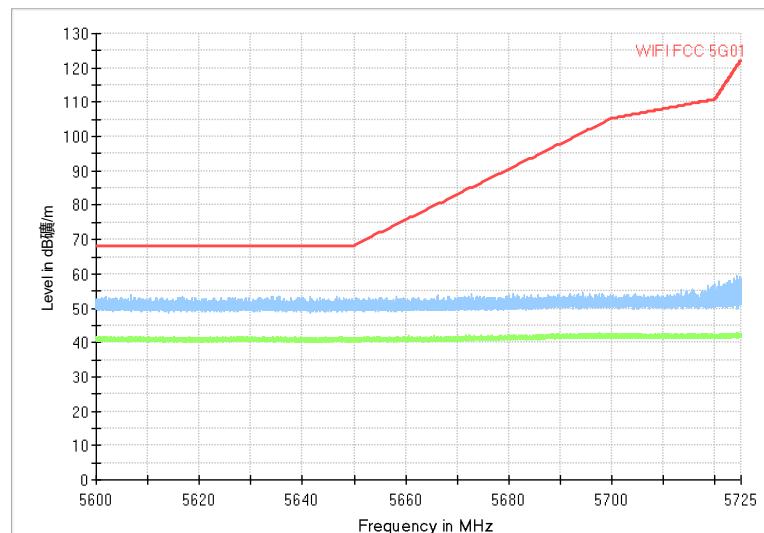
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



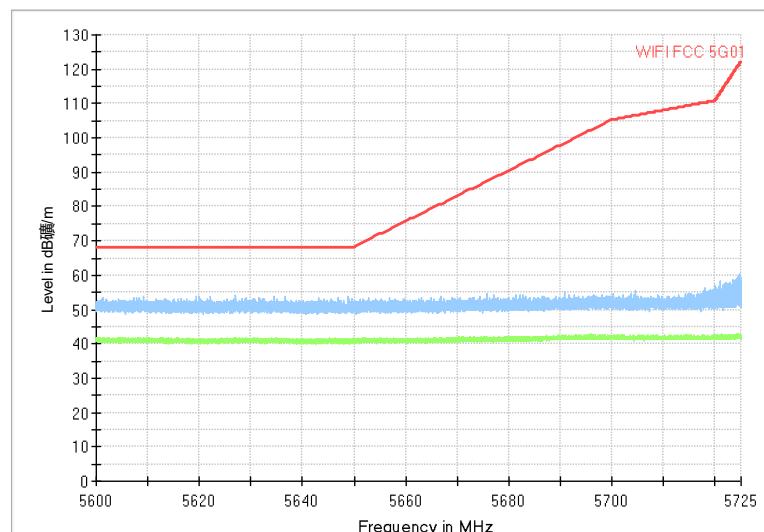
Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ax

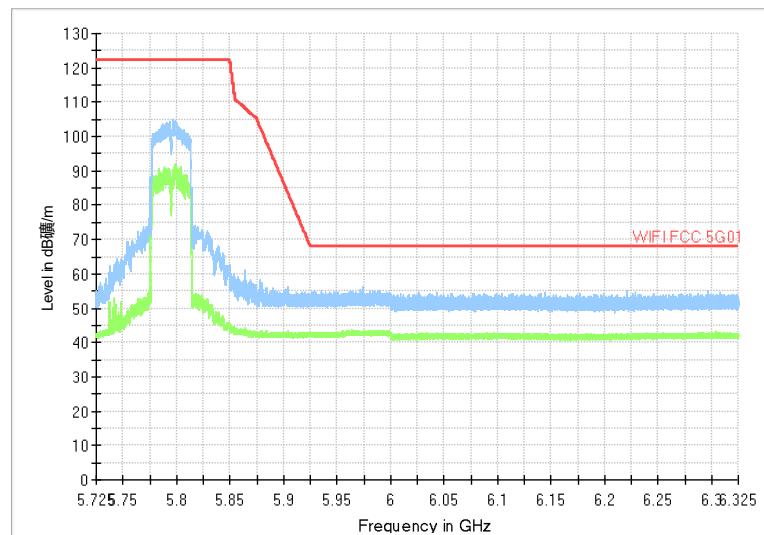
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



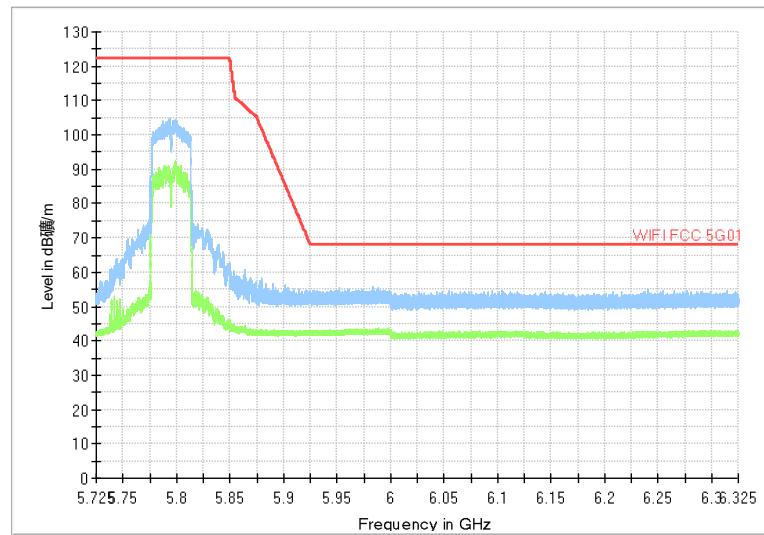
Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ax



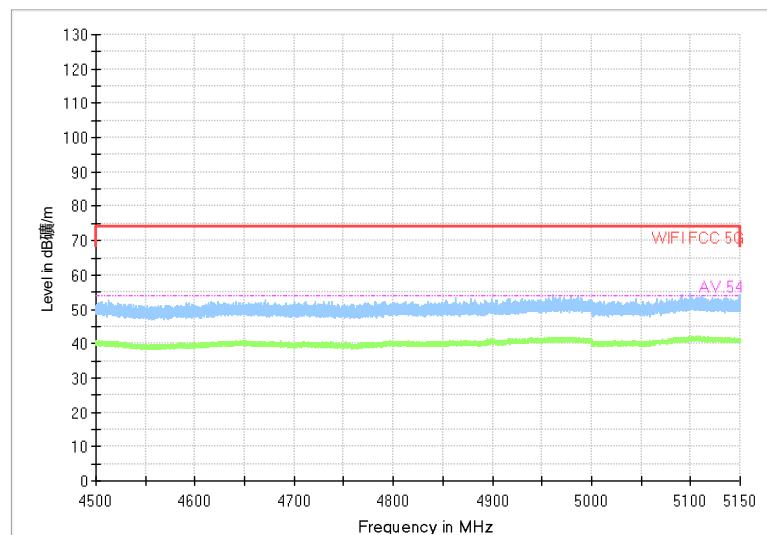
BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Polarization: H

40M
Partial RU (Tone26)

Full Spectrum



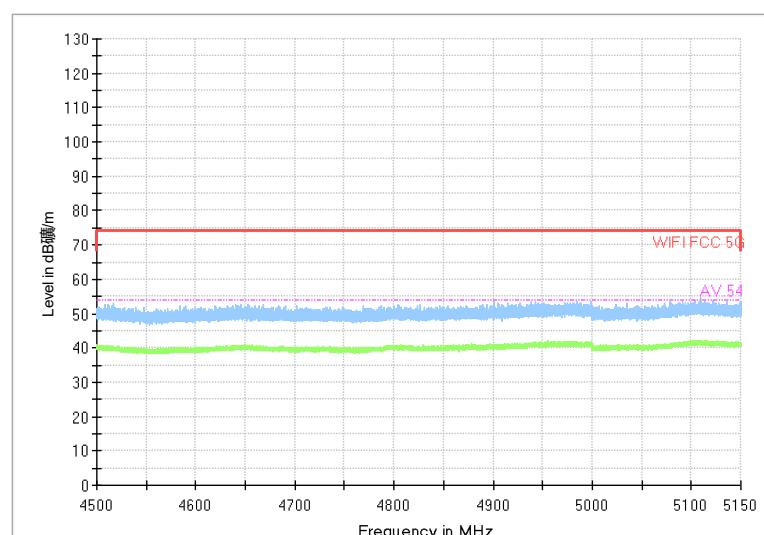
Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



Test Report No.: PSU-NQN2502260117RF03

Channel No.:38

Test Mode: 802.11ax

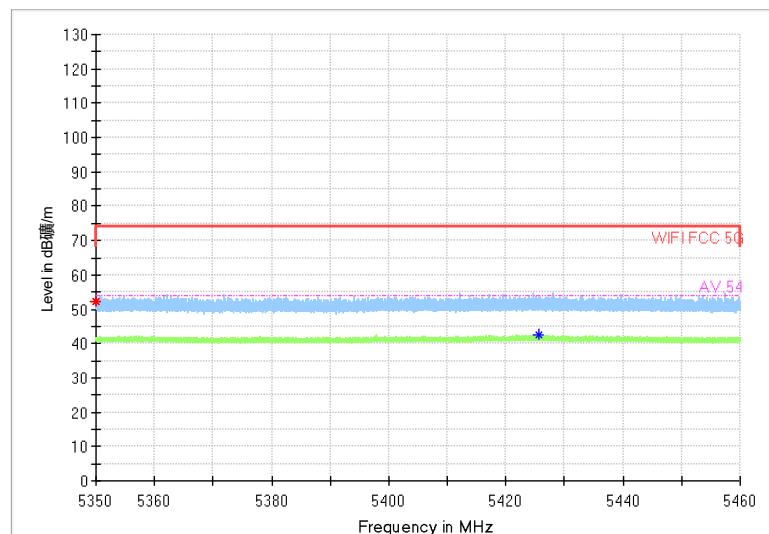
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



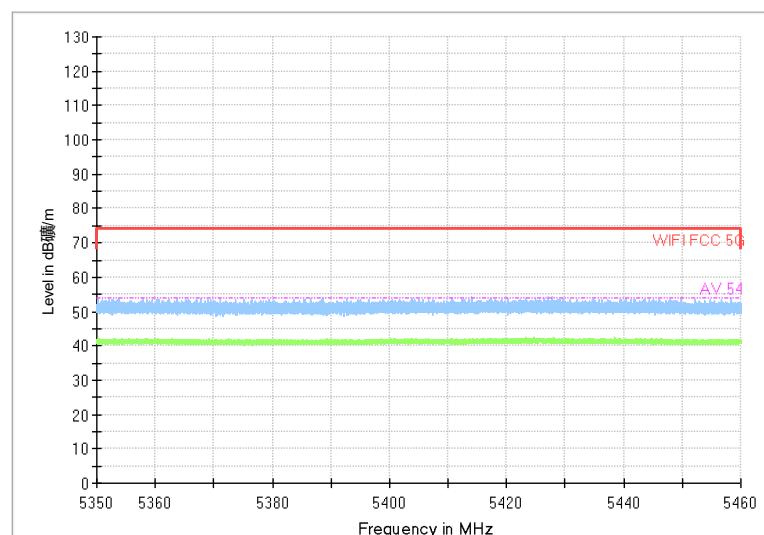
Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ax

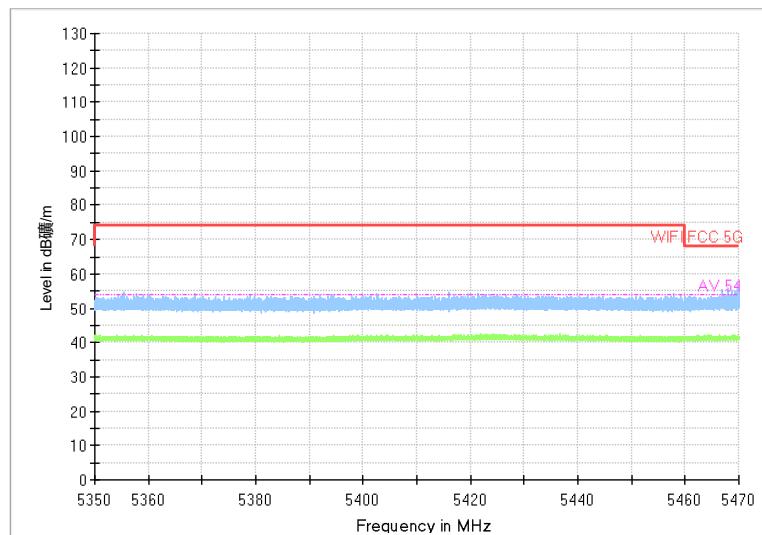
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



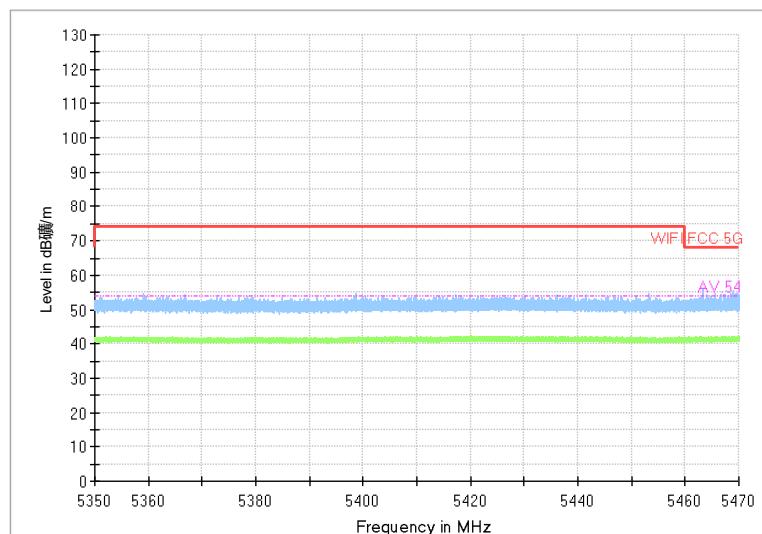
Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ax

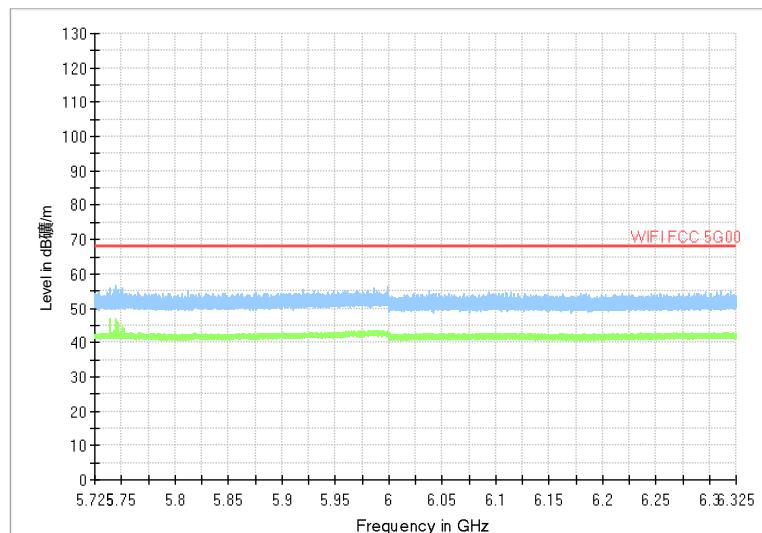
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



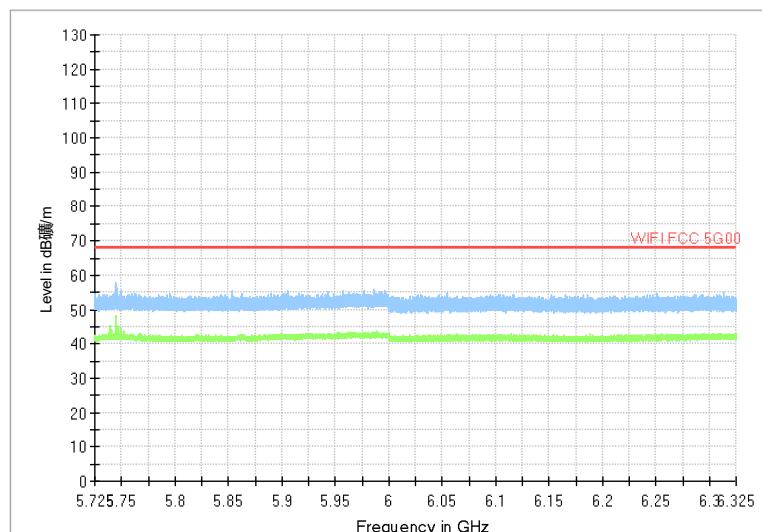
Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ax

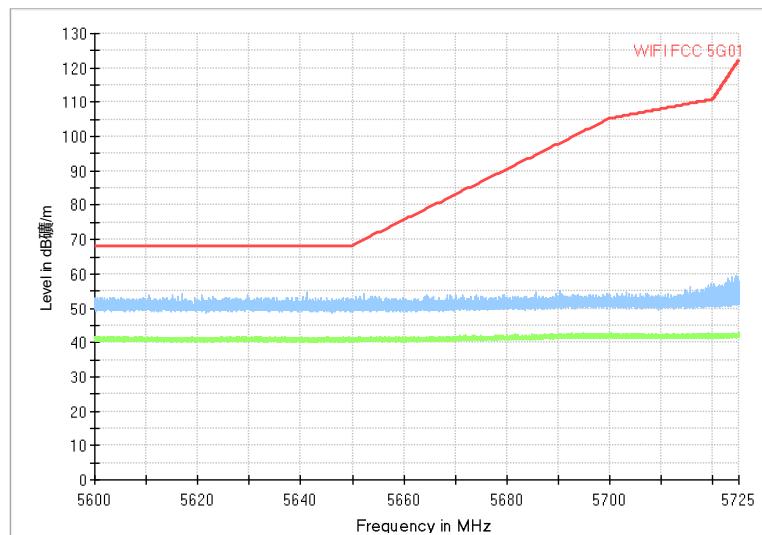
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



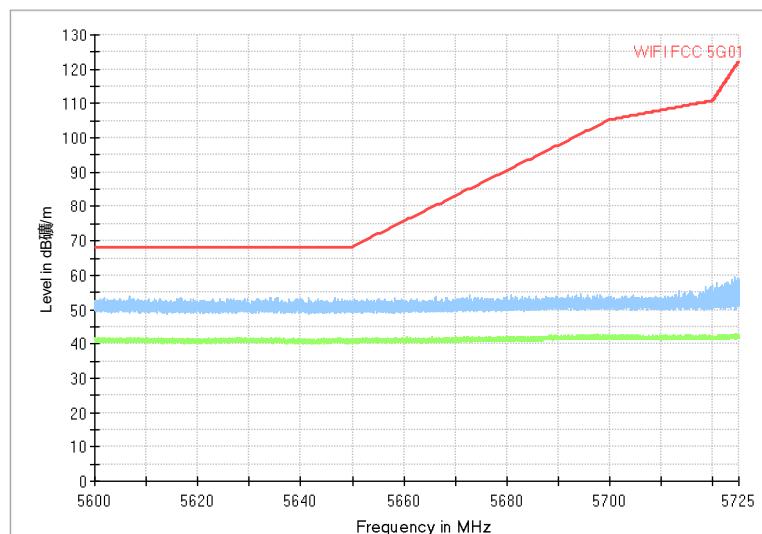
Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ax

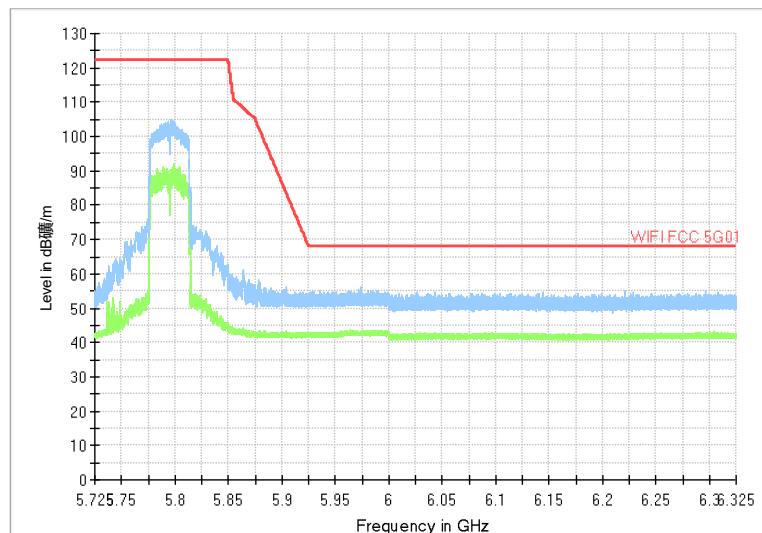
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



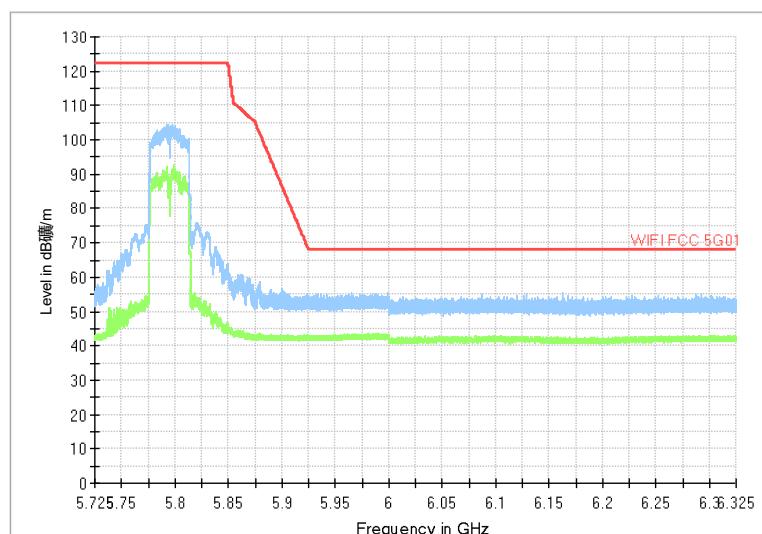
Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ax

Polarization: H

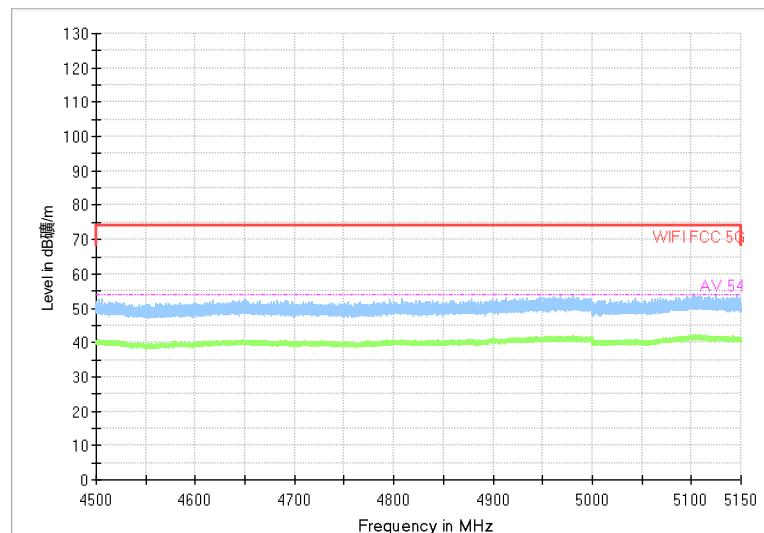


BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

80M

Full Spectrum



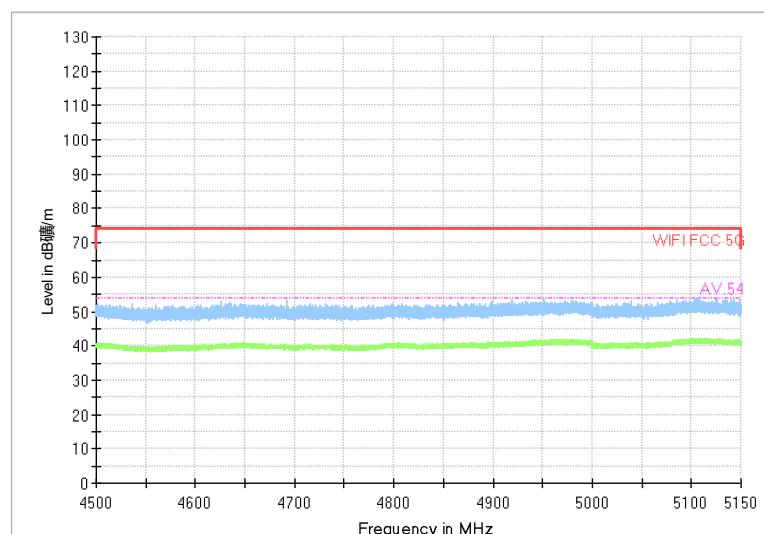
Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:42

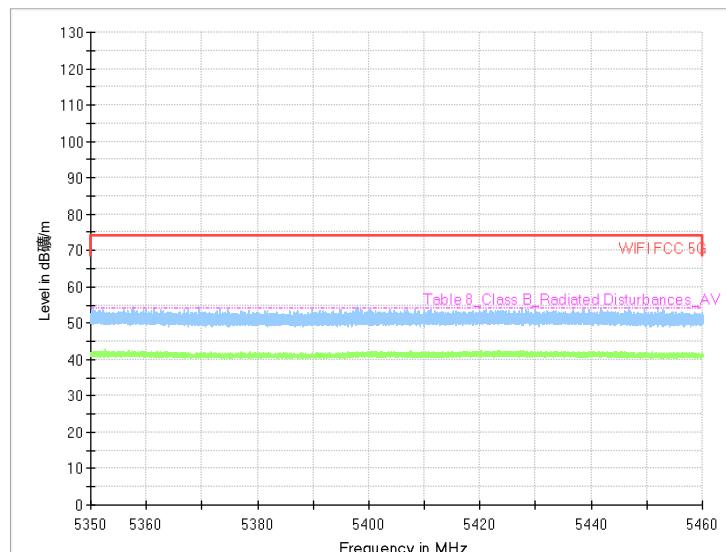
Test Mode: 802.11ac

Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

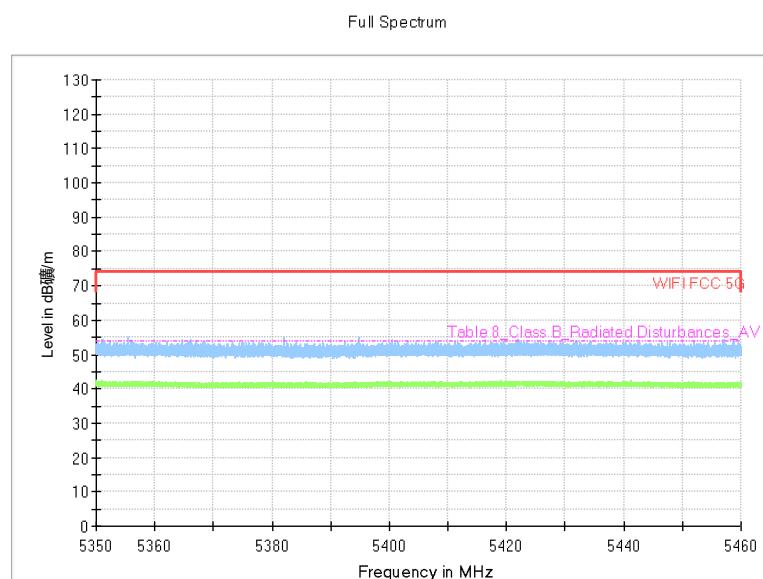


Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ac

Polarization: V



Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ac

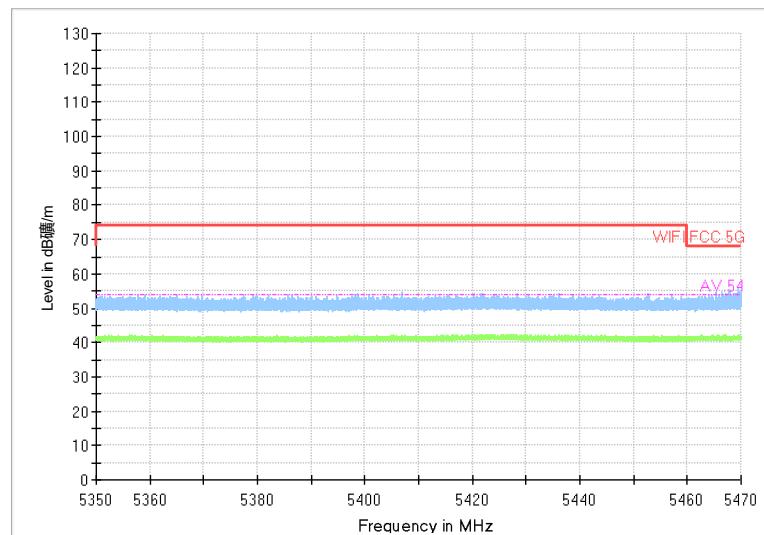
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



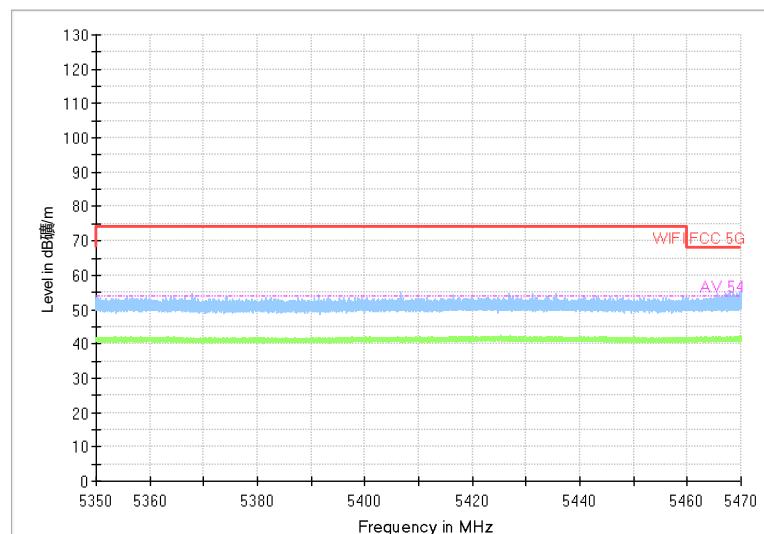
Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ac

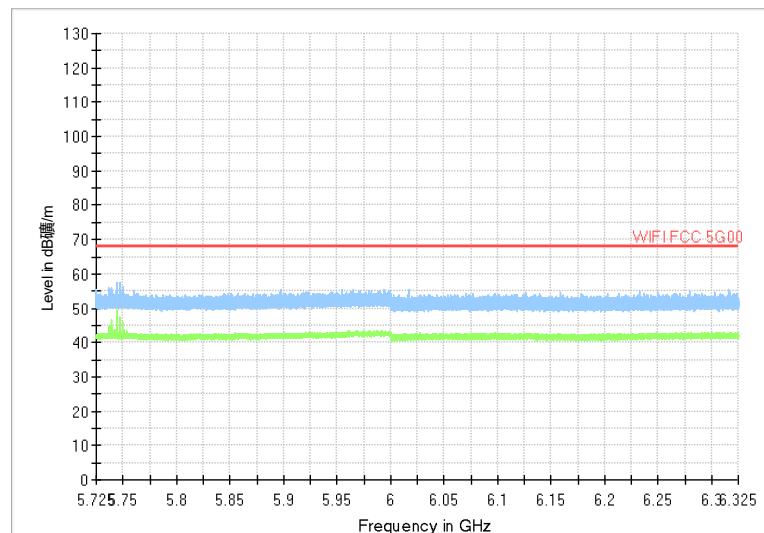
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



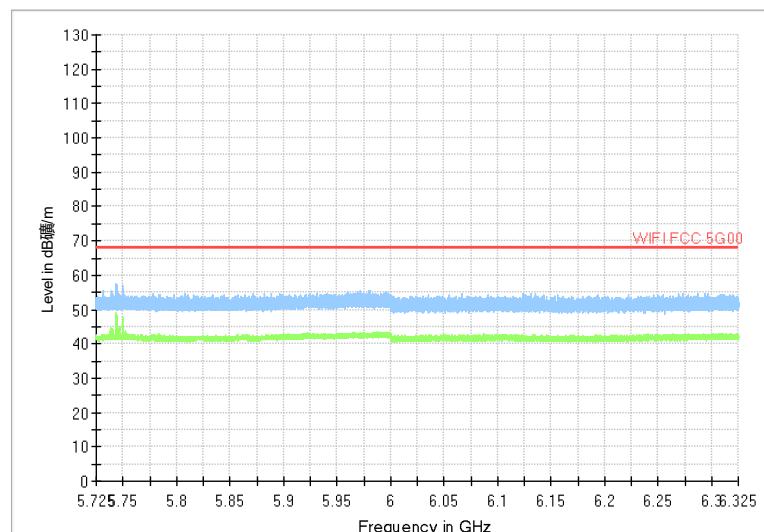
Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ac

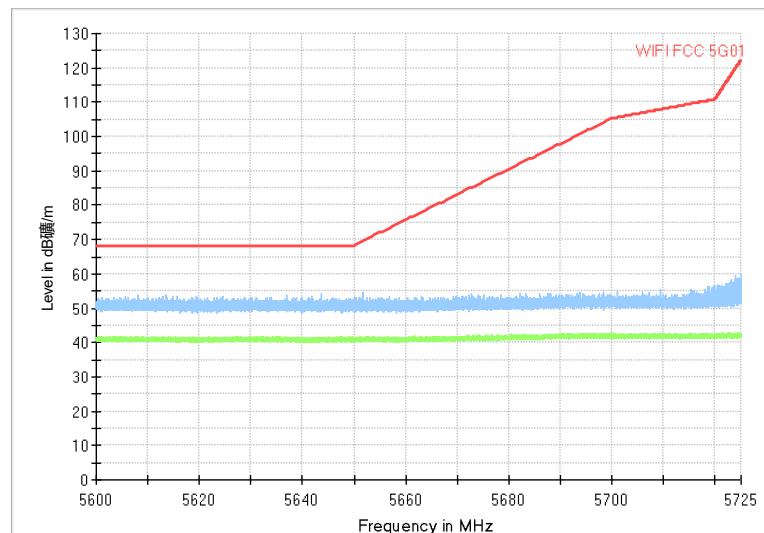
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



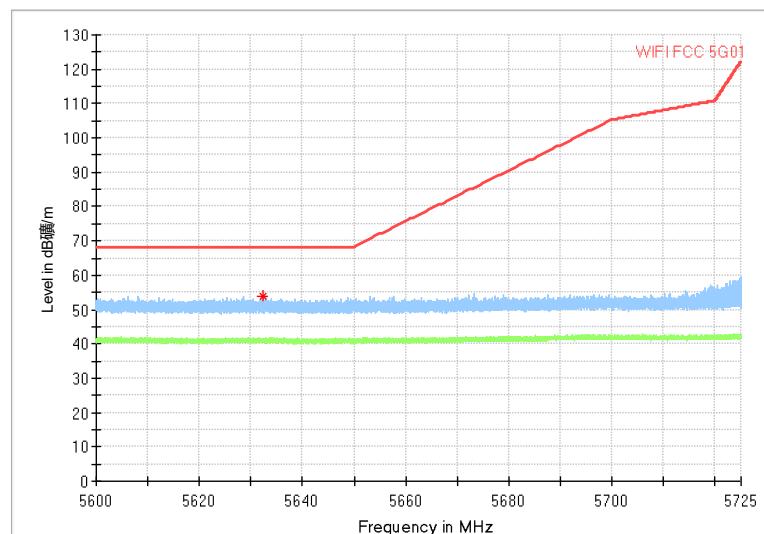
Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

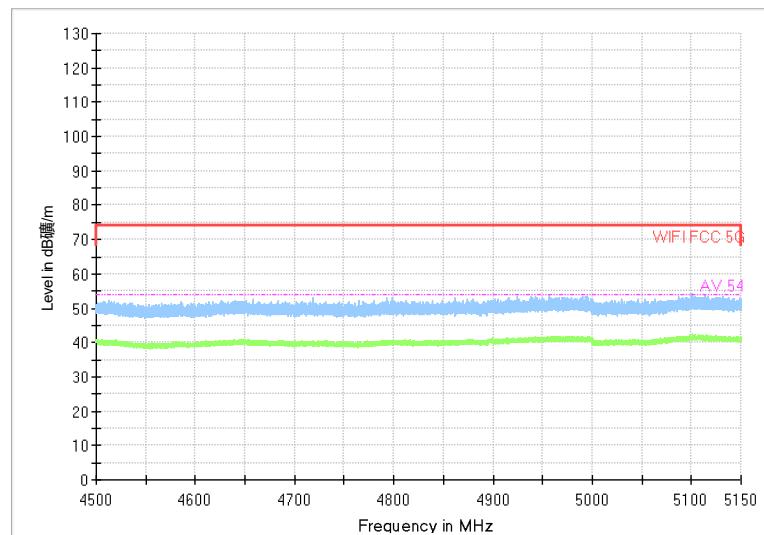
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



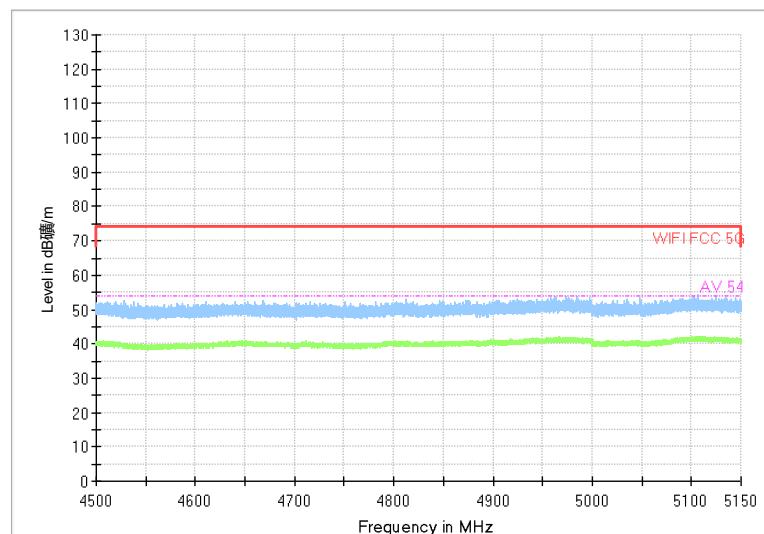
Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ax

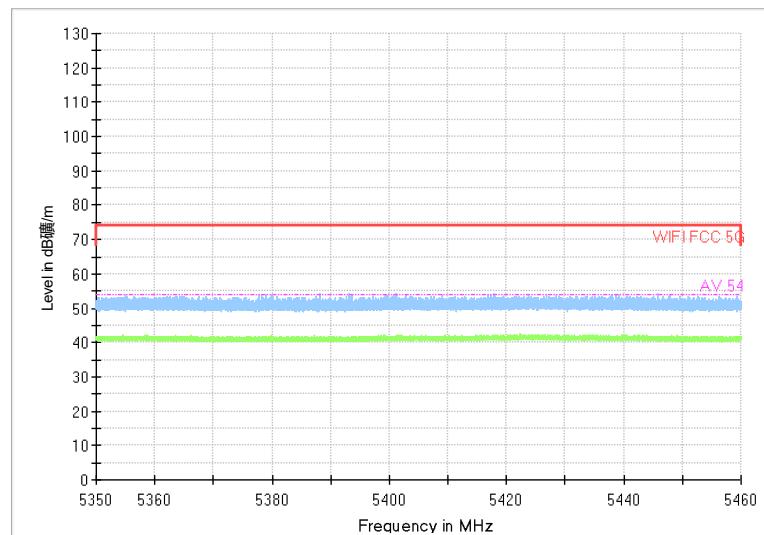
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



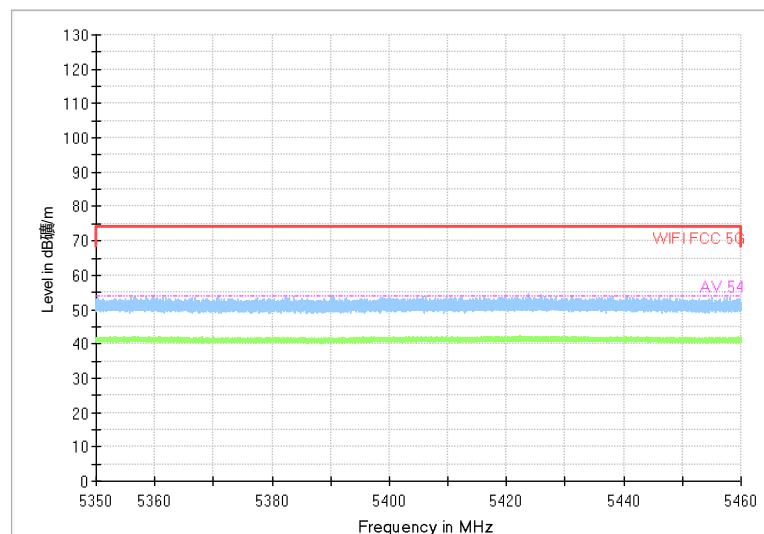
Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ax

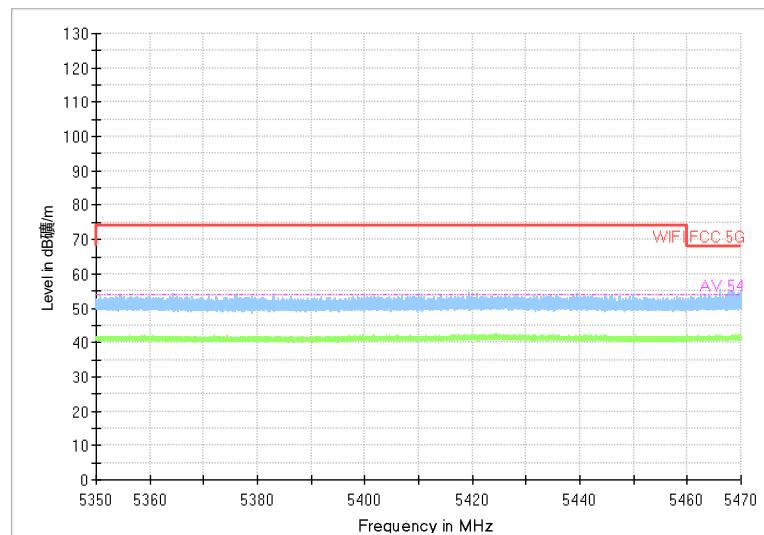
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



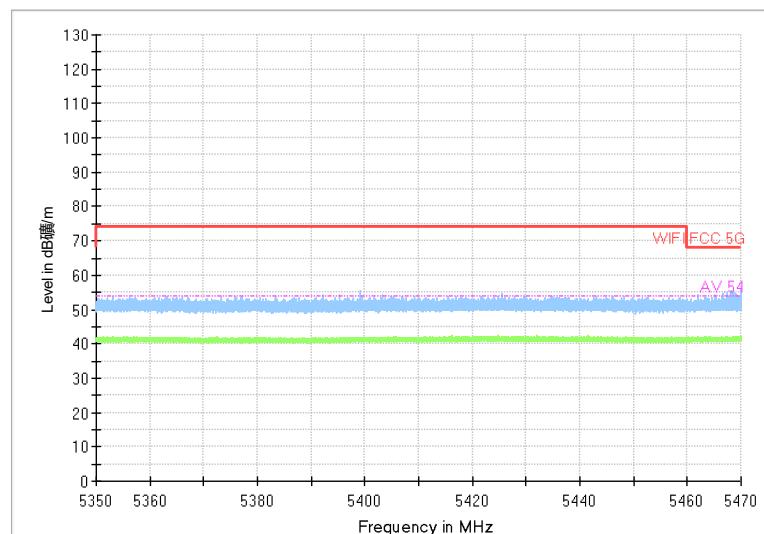
Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ax

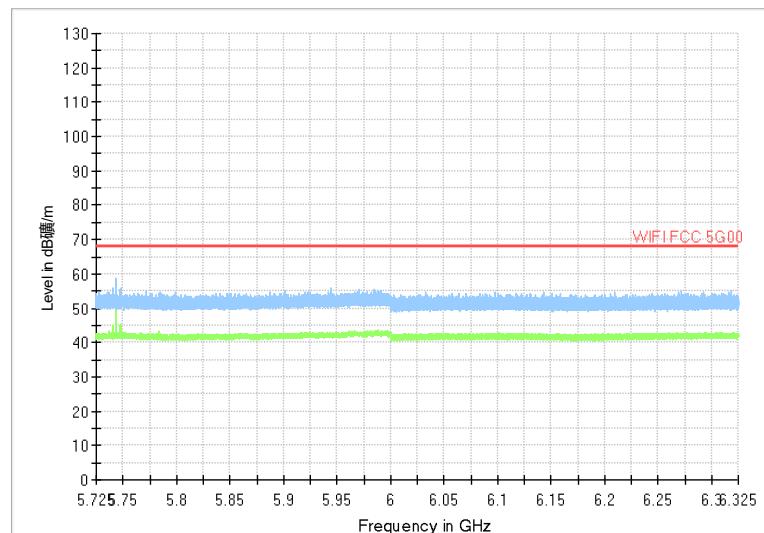
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



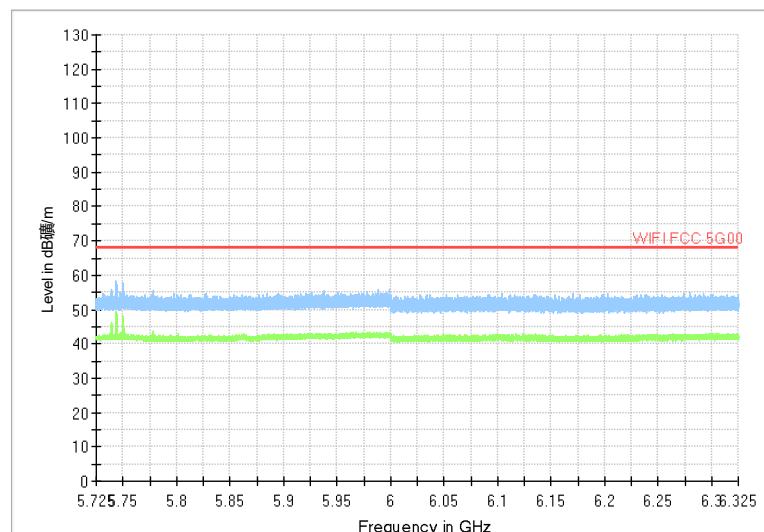
Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ax

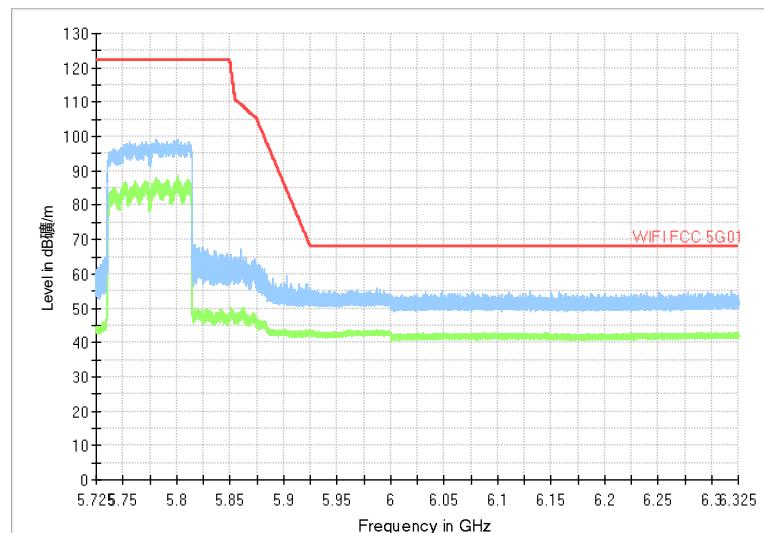
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



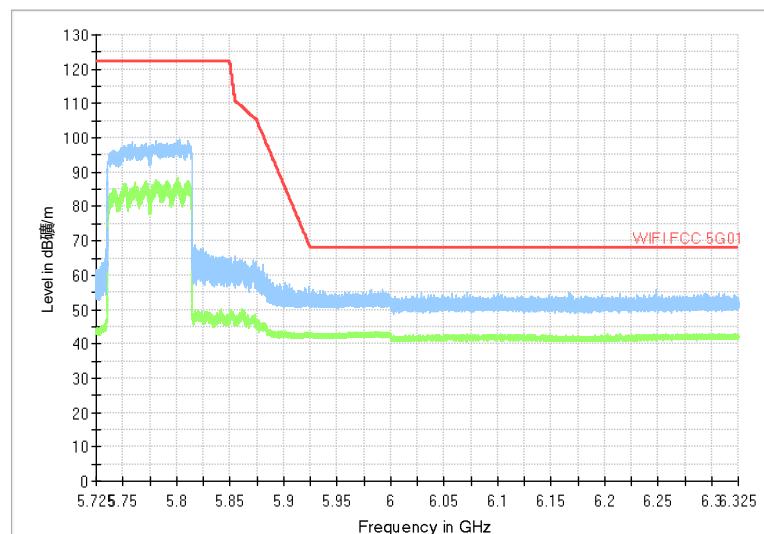
Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ax

Polarization: H



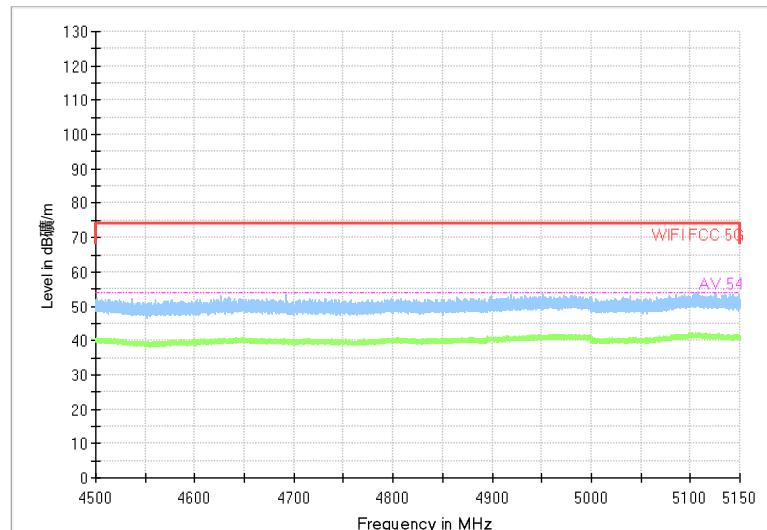
BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

80M

Partial RU (Tone26)

Full Spectrum



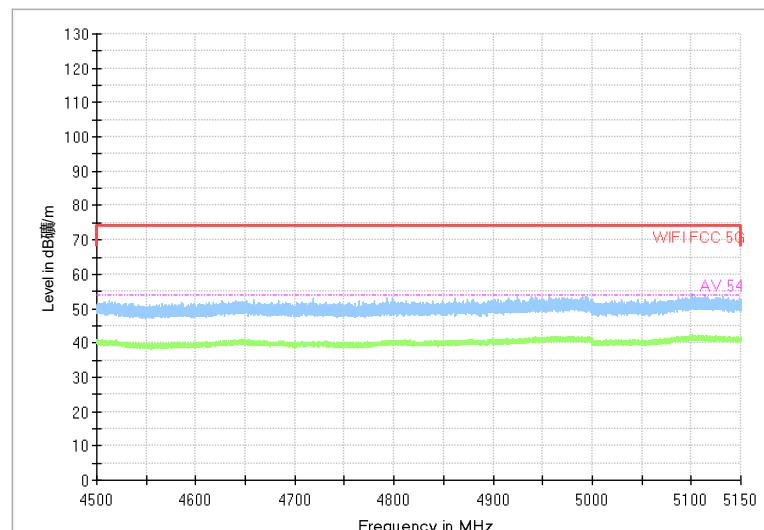
Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ax

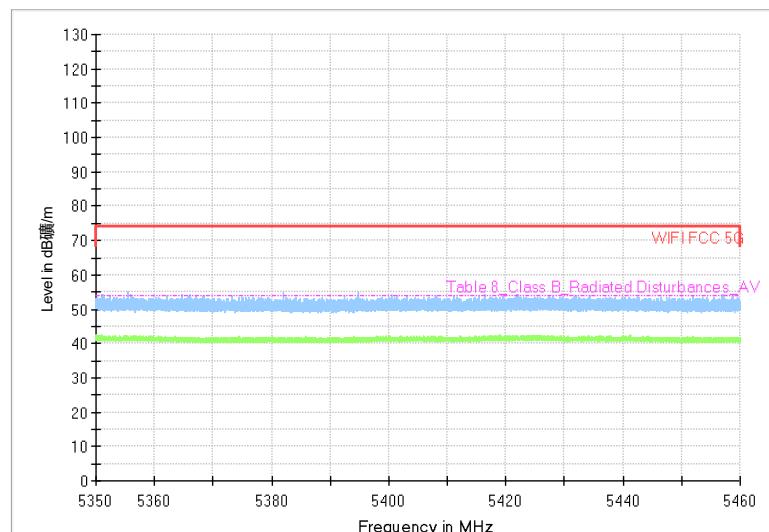
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



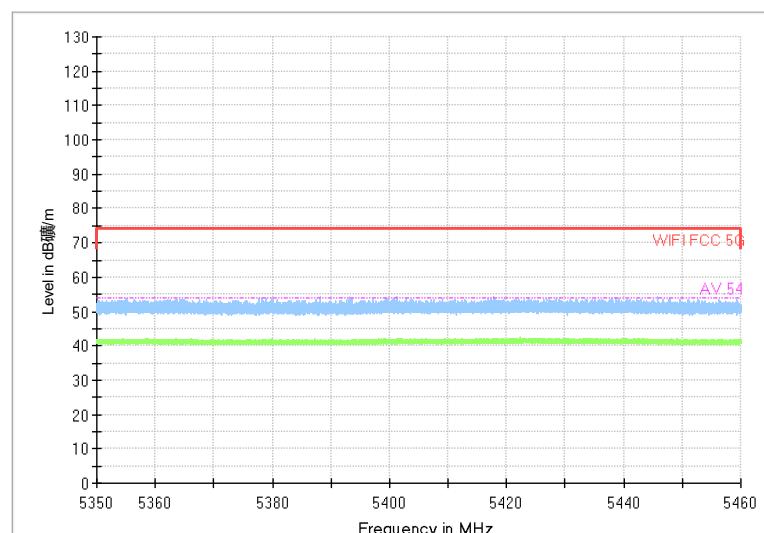
Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ax

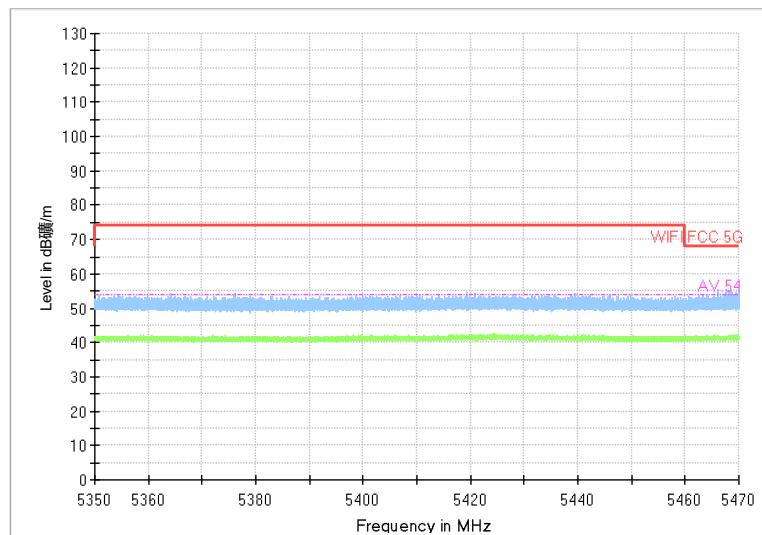
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



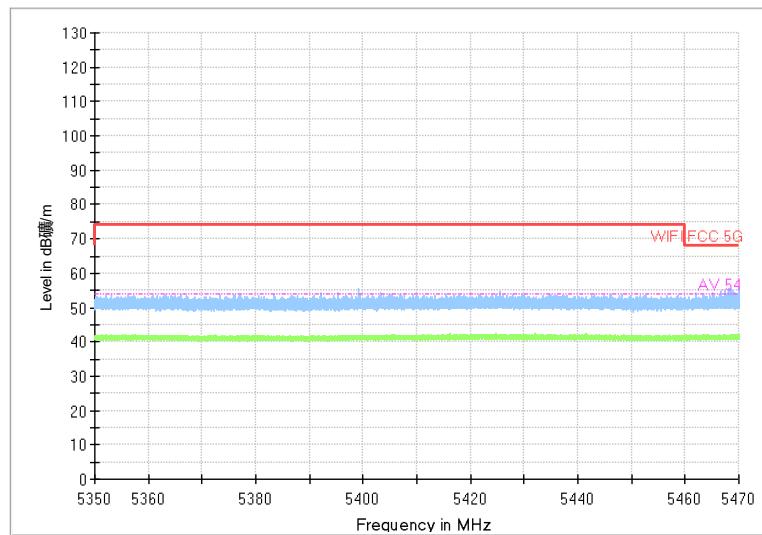
Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ax

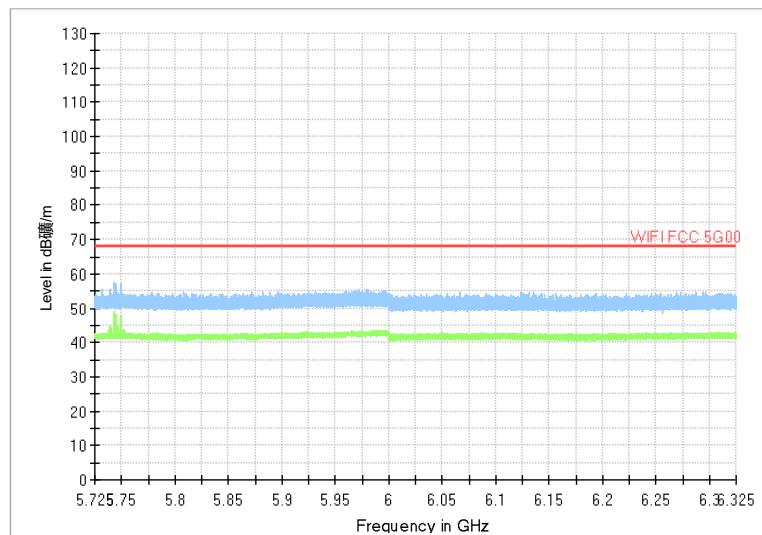
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



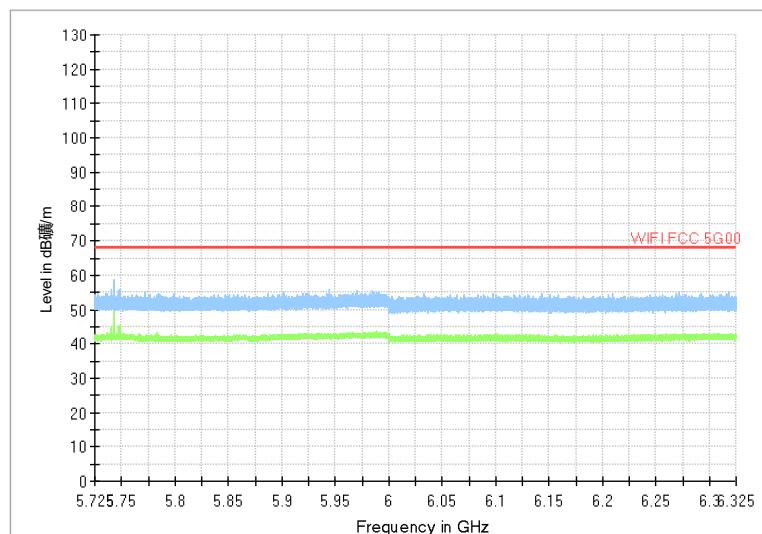
Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ax

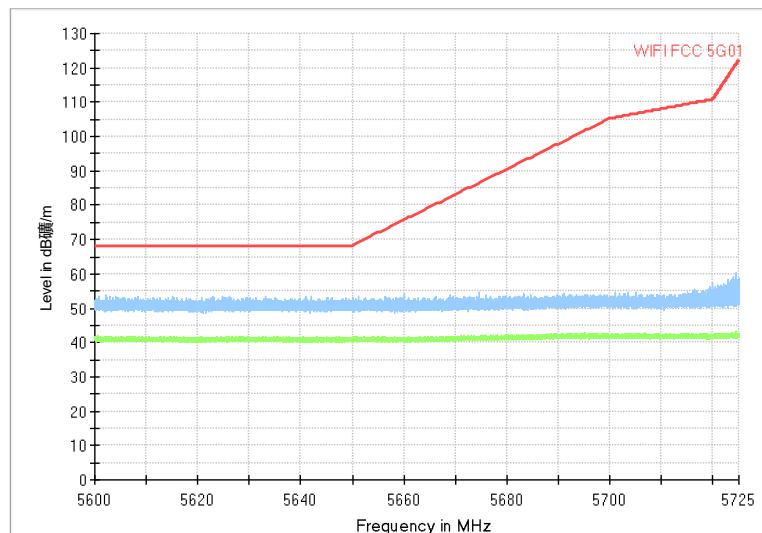
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



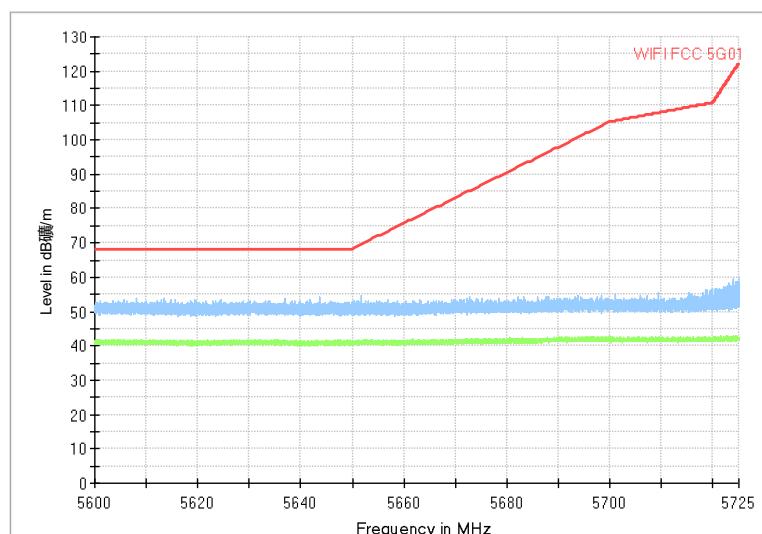
Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ax

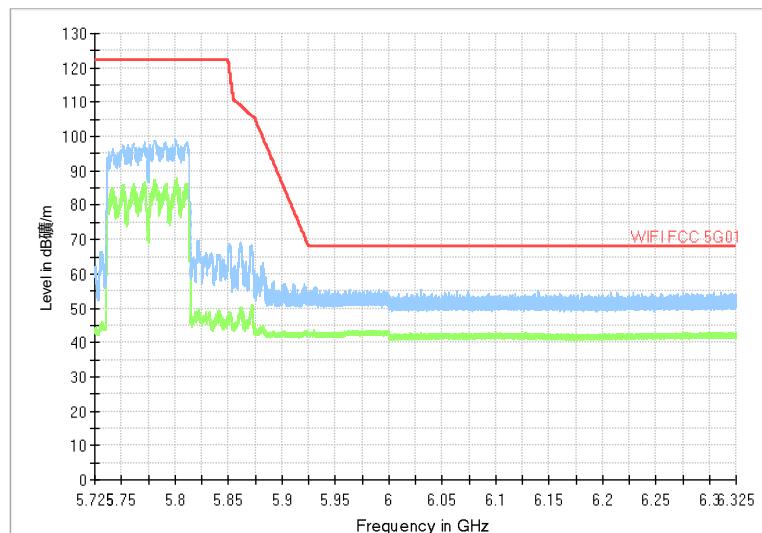
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2502260117RF03

Full Spectrum



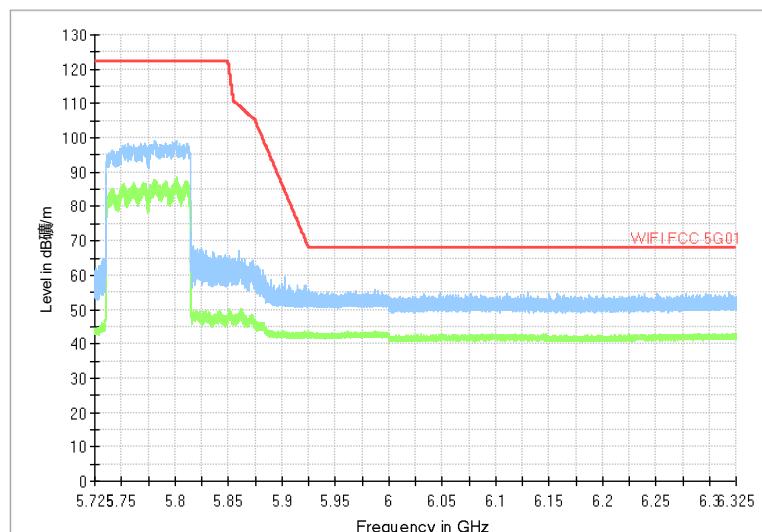
Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ax

Polarization: V

Full Spectrum



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ax

Polarization: H



Radiated Emission for WIFI

After comparison, the worst case attitude is EUT lay down.

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: $(14.54 \text{ dB}\mu\text{V/m}) = (36.44 \text{ dB}\mu\text{V}) + (21.9 \text{ dB/m})$, the corresponding frequency is 46.5385MHz.

For 802.11a Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
46.5385	14.54	-21.9	36.44	Vertical	40	25.46
74.911	20.71	-24.2	44.91	Vertical	40	19.29
115.36	20.47	-21.5	41.97	Vertical	43.5	23.03
173.2205	9.29	-22.9	32.19	Vertical	43.5	34.21
534.3515	11.58	-11.5	23.08	Vertical	46	34.42
905.813	16.3	-4.7	21	Vertical	46	29.7

For 802.11n(HT20) Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.917	9.65	-15.6	25.25	Vertical	40	30.35
80.9735	20.45	-23.7	44.15	Vertical	40	19.55
115.5055	19.02	-21.5	40.52	Vertical	43.5	24.48
173.56	8.38	-22.9	31.28	Vertical	43.5	35.12
501.8565	11.12	-12	23.12	Vertical	46	34.88
941.703	16.96	-4.2	21.16	Vertical	46	29.04

For 802.11ac(VHT20) Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.582	12.1	-12.8	24.9	Vertical	40	27.9