

Radiated Emission

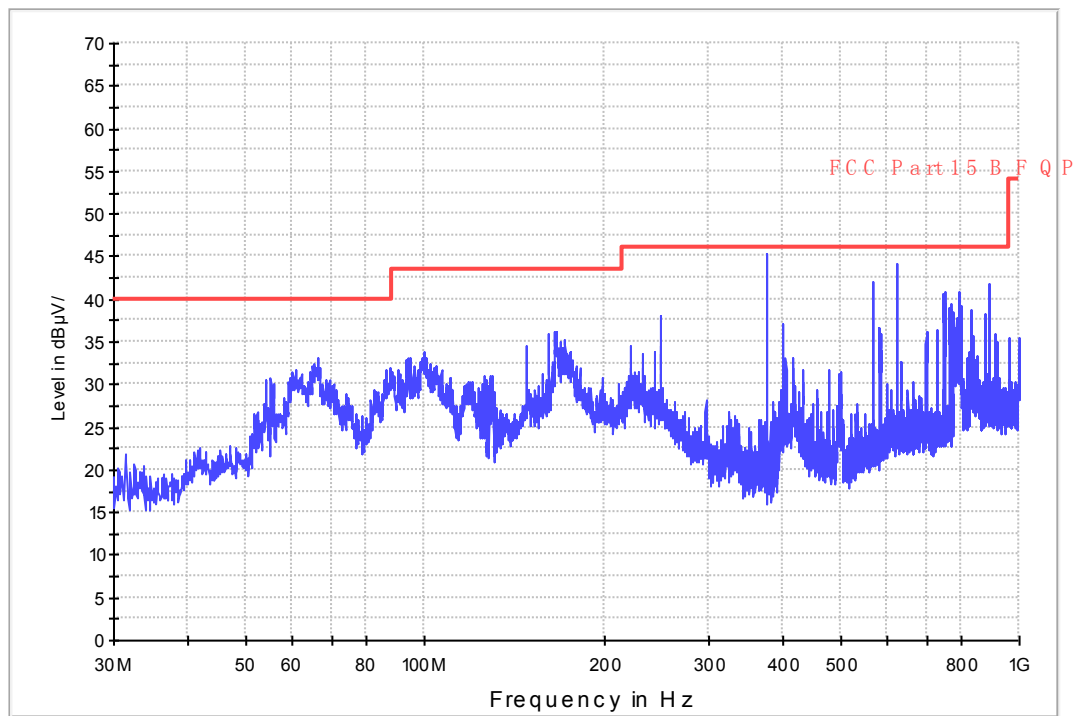
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: Transmitting
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

Field strength 30M-1GHz 1F 3m chamber



Radiated Emission

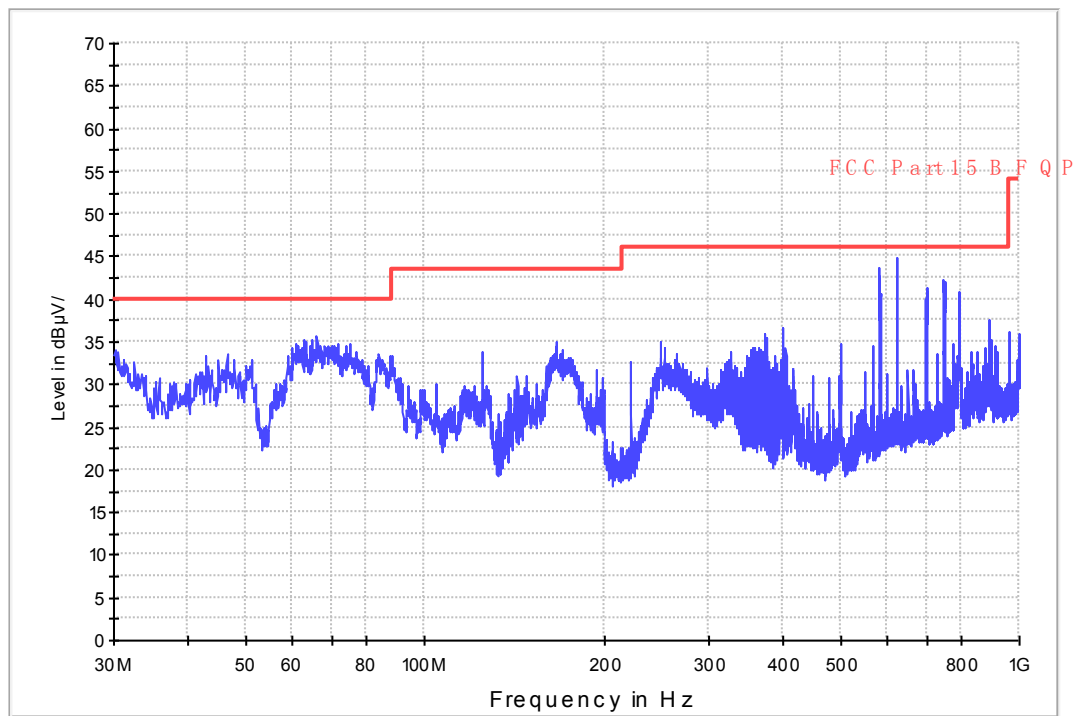
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: Transmitting
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

Field strength 30M-1GHz 1F 3m chamber



1-18G

11a IN THE 5.2GHz BAND

Ch36

Radiated Emission

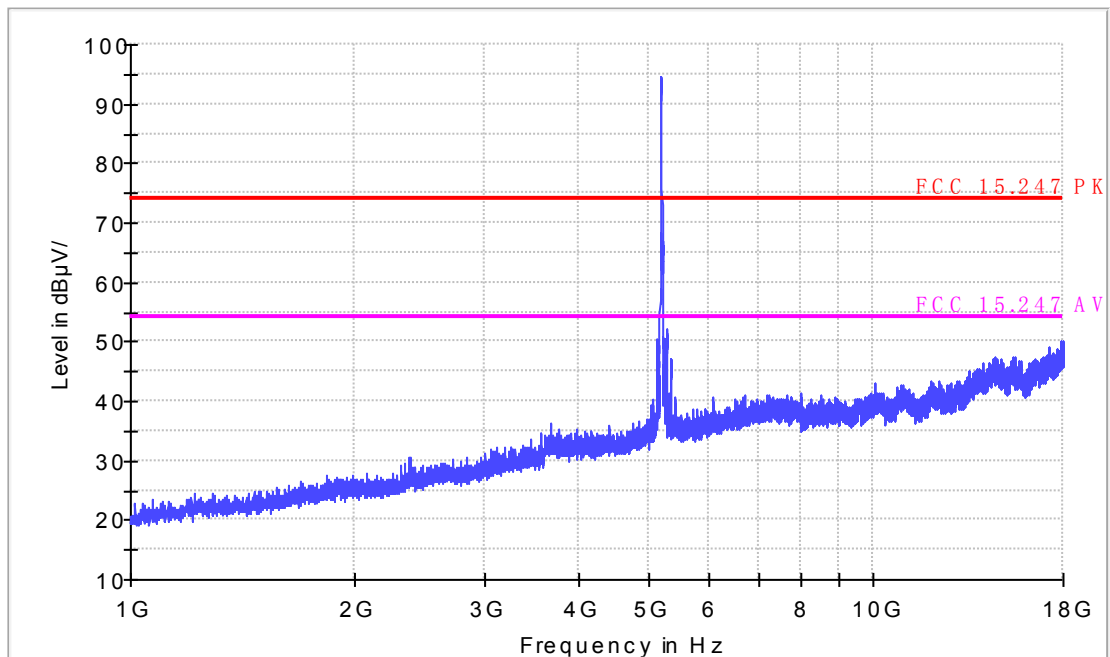
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

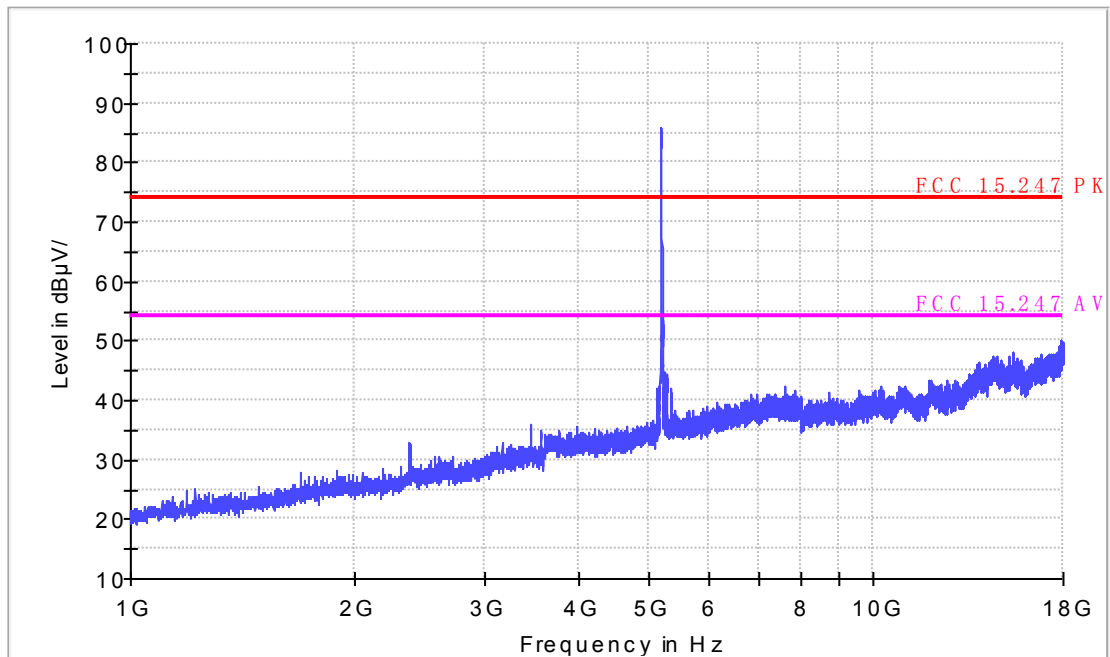
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH1
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.2GHz BAND

CH40

Radiated Emission

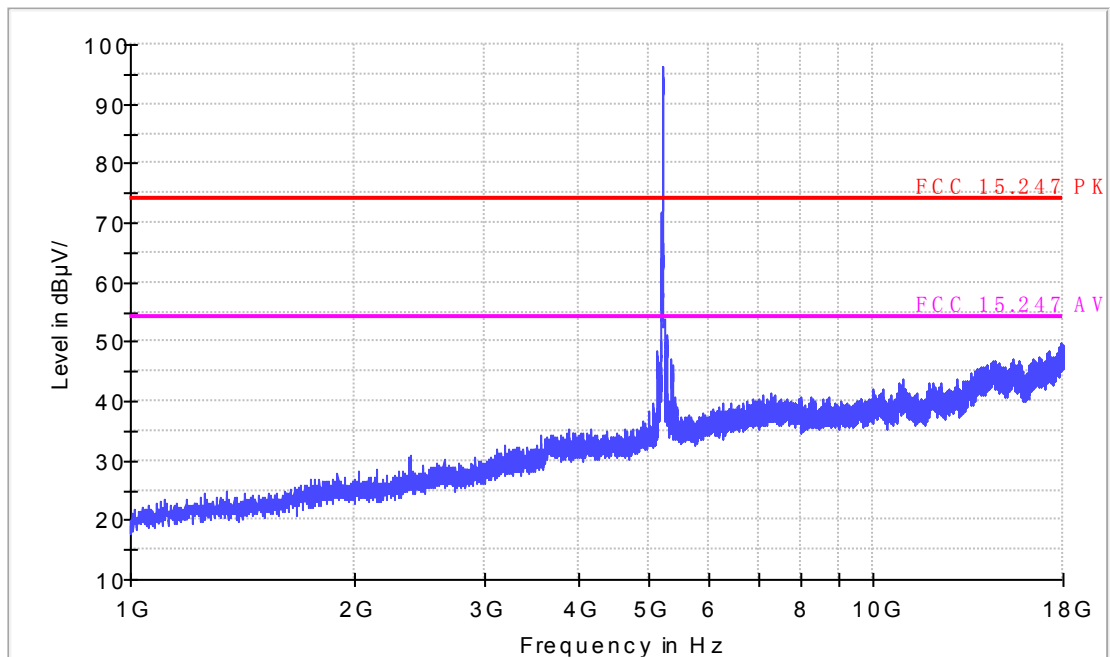
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH40
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

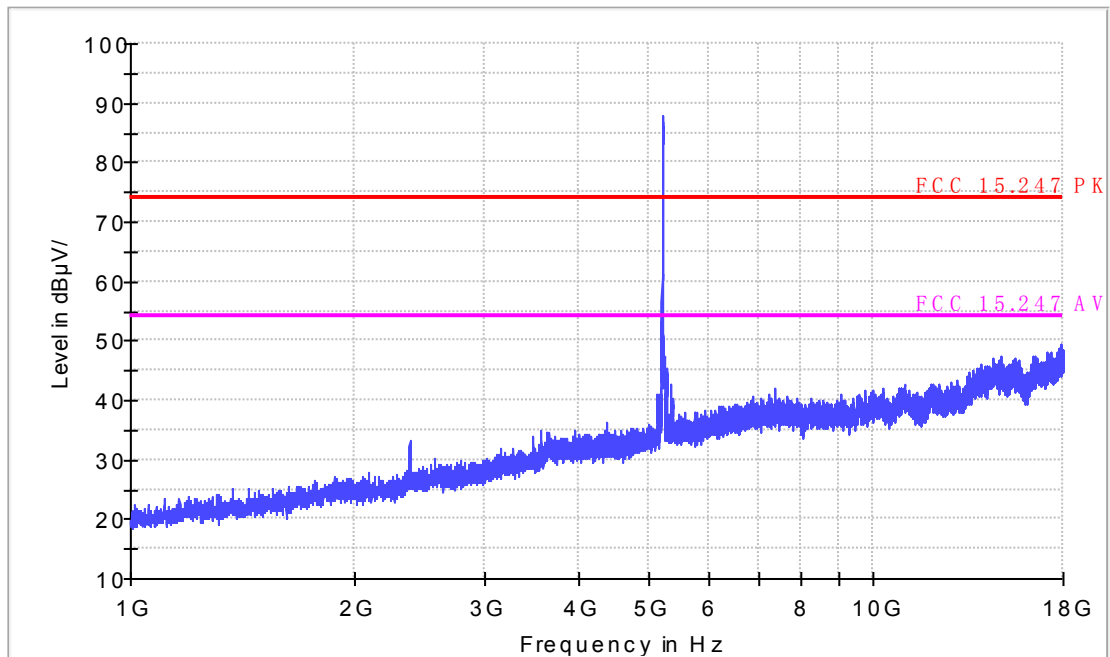
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH40
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.2GHz BAND

CH48

Radiated Emission

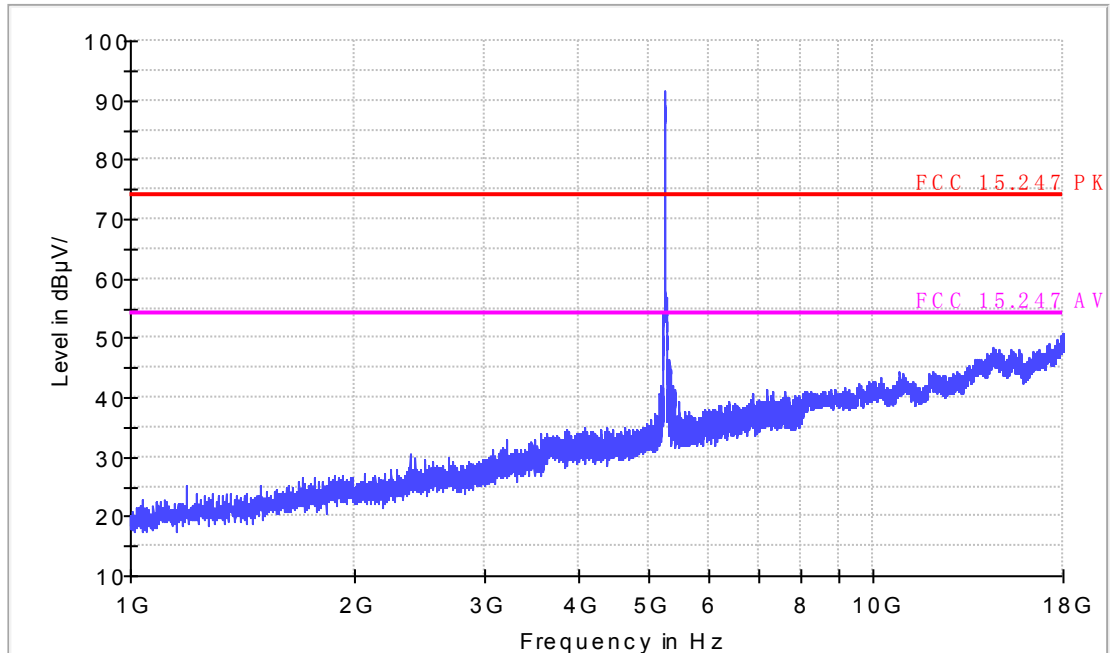
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH48
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

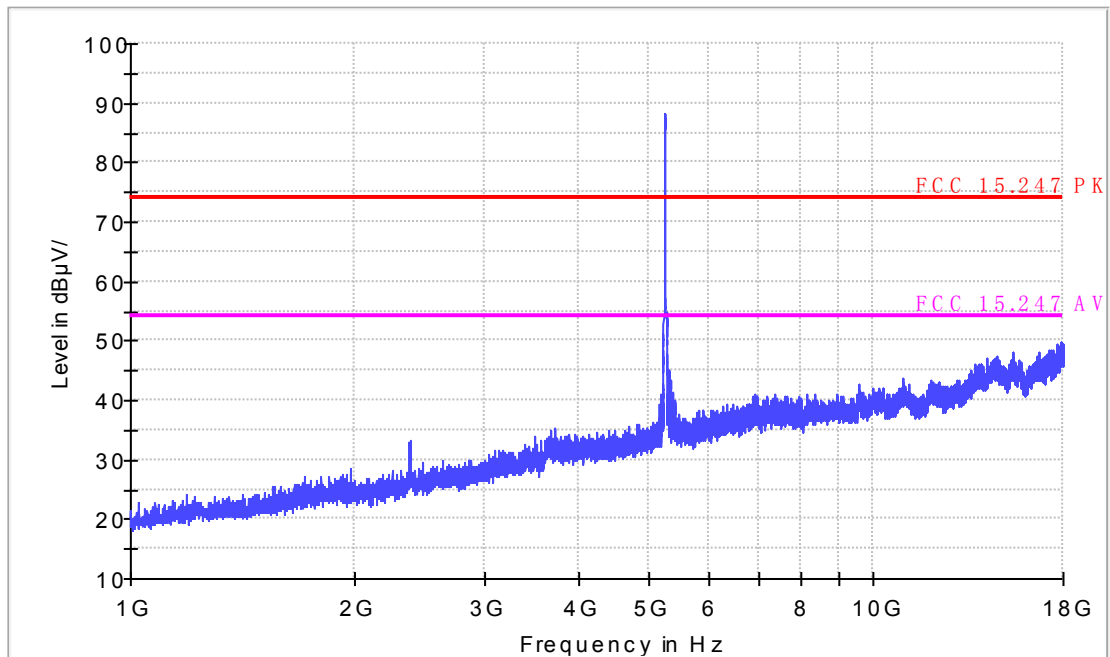
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH48
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.2GHz BAND

CH36

Radiated Emission

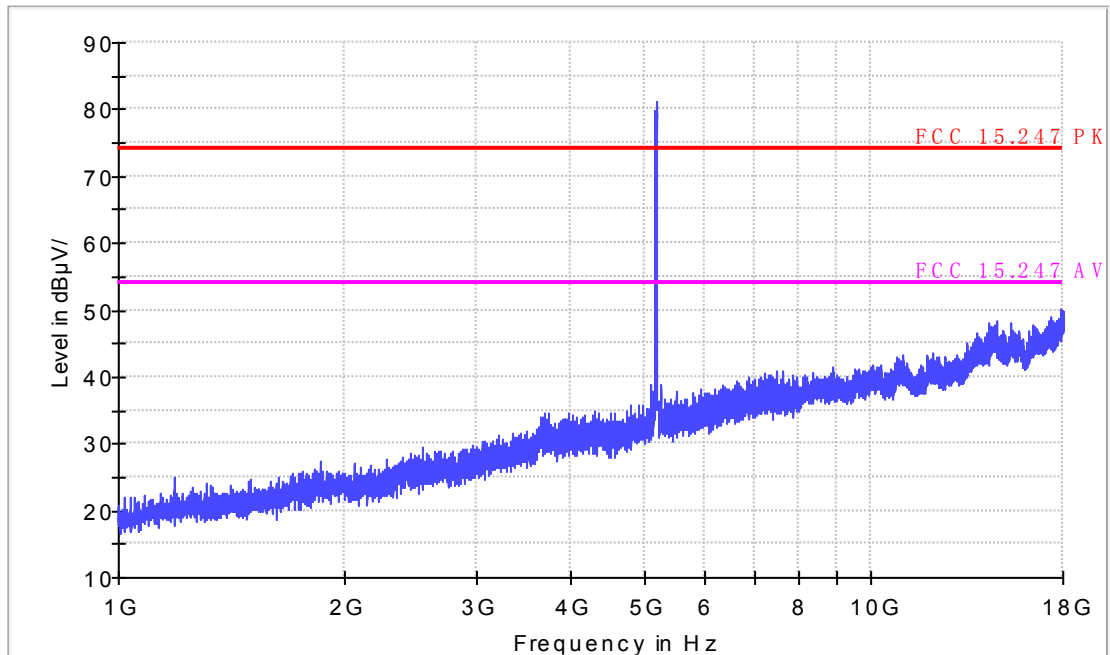
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

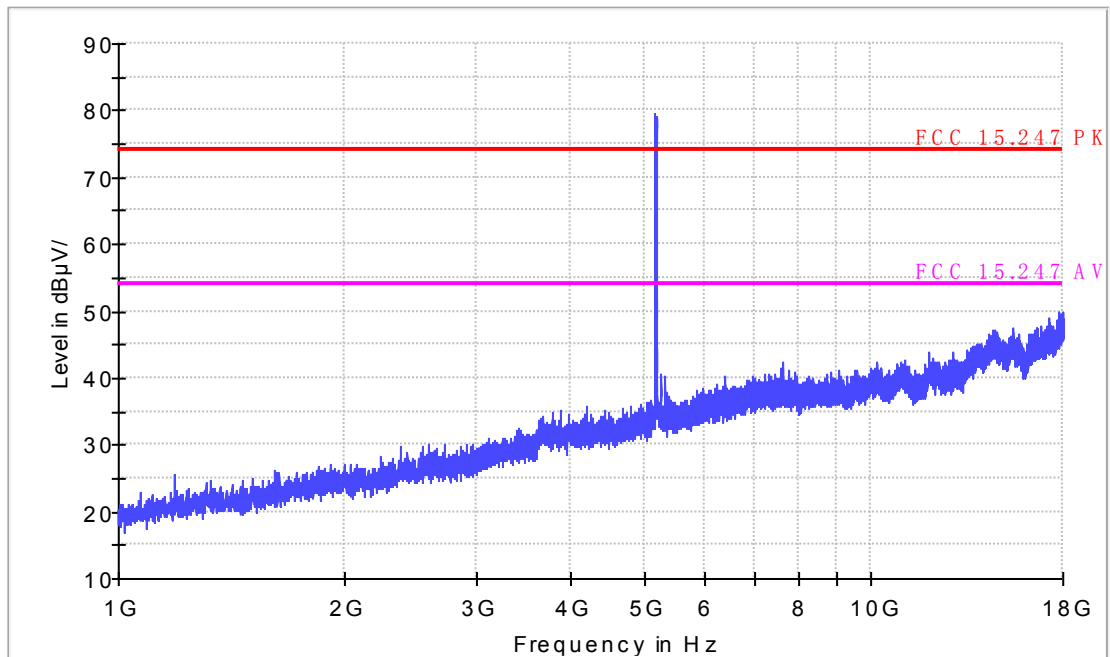
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.2GHz BAND

CH40

Radiated Emission

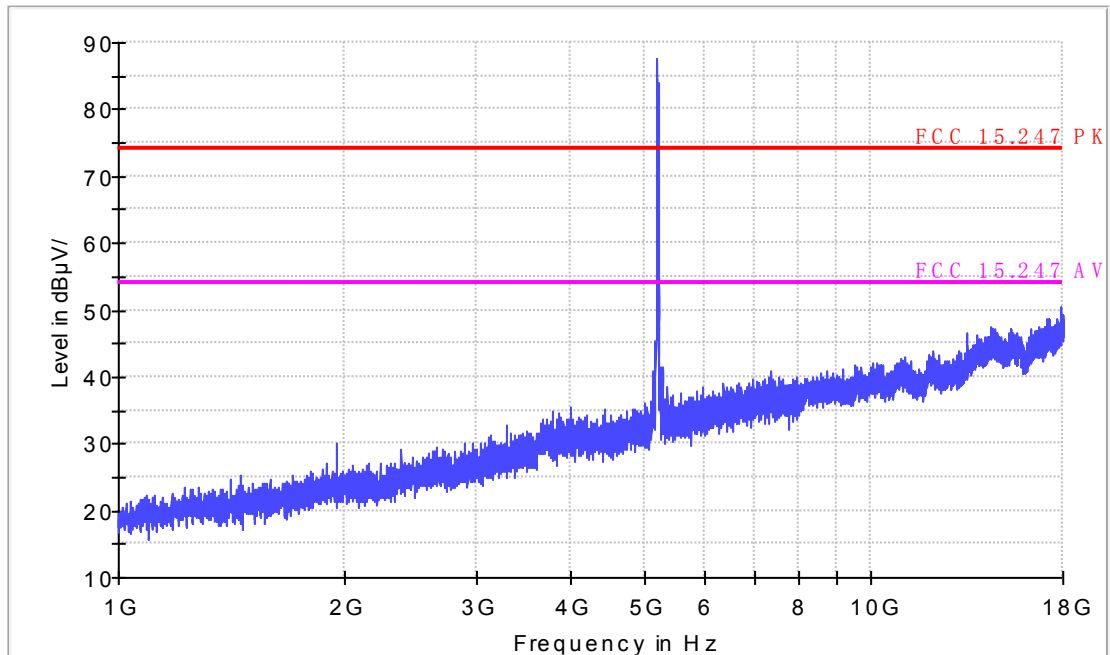
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH40
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

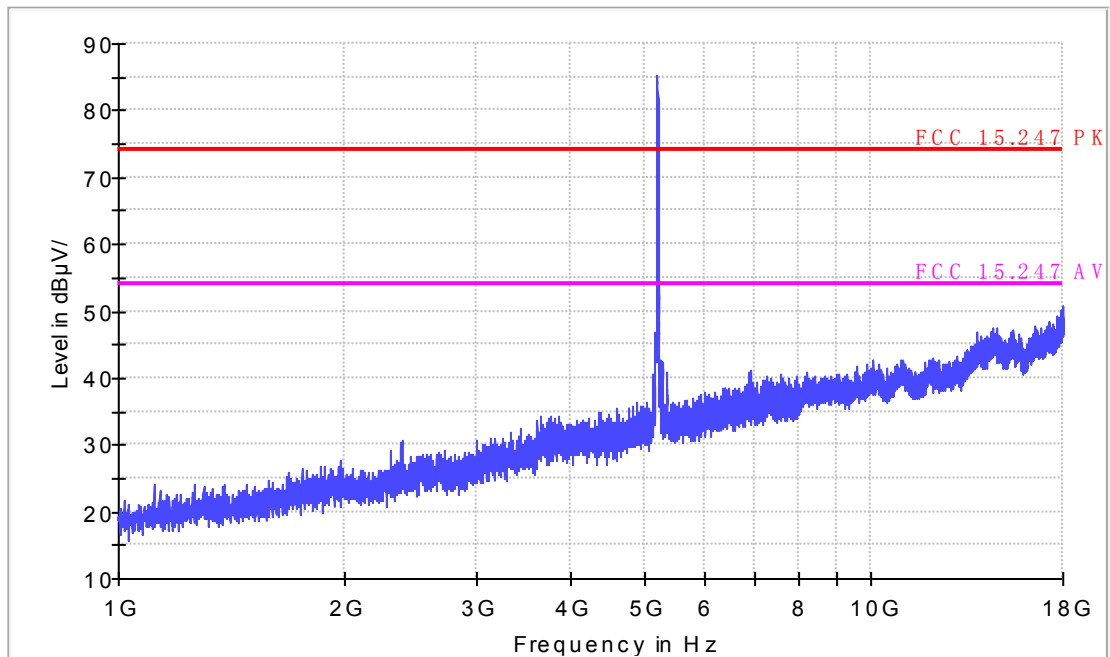
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH40
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.2GHz BAND

CH48

Radiated Emission

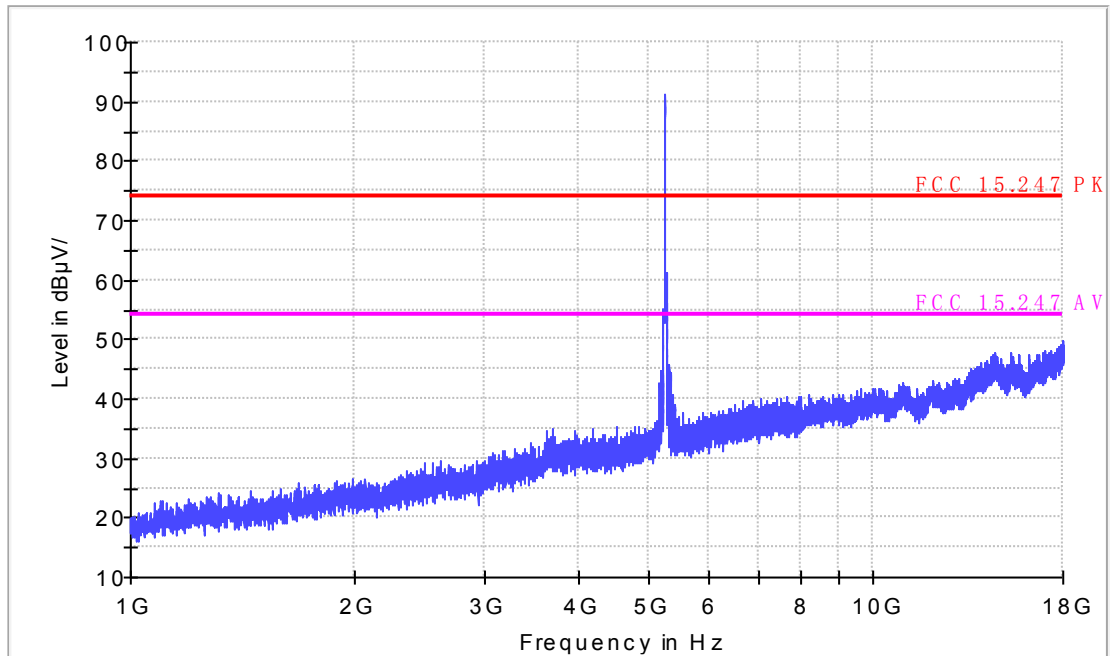
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH48
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

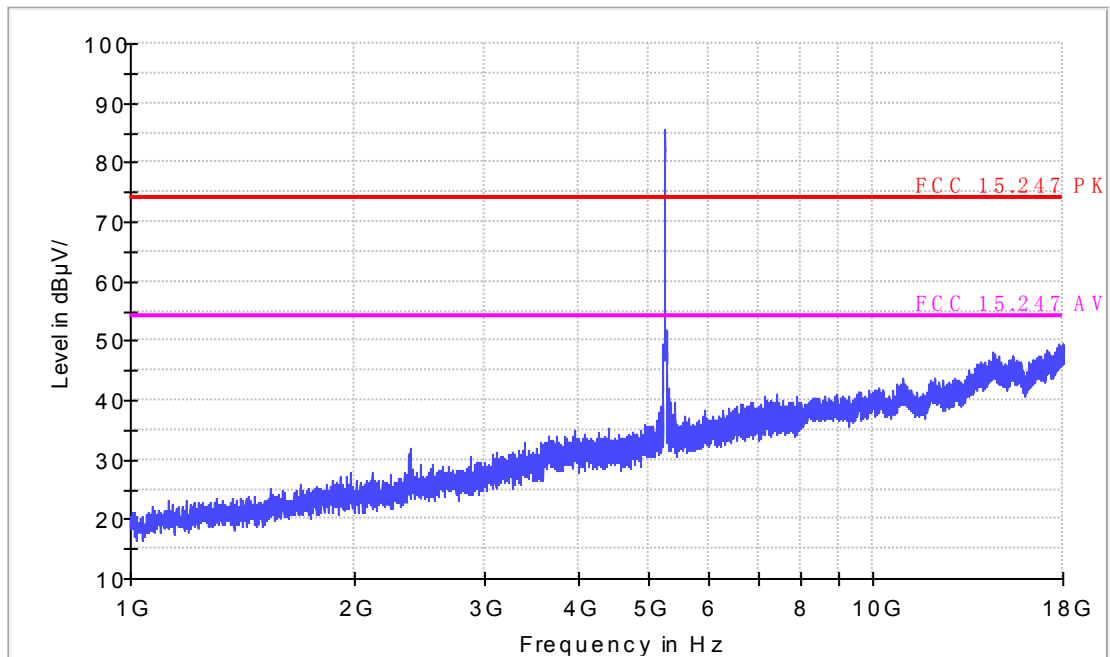
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH48
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.2GHz BAND

CH38

Radiated Emission

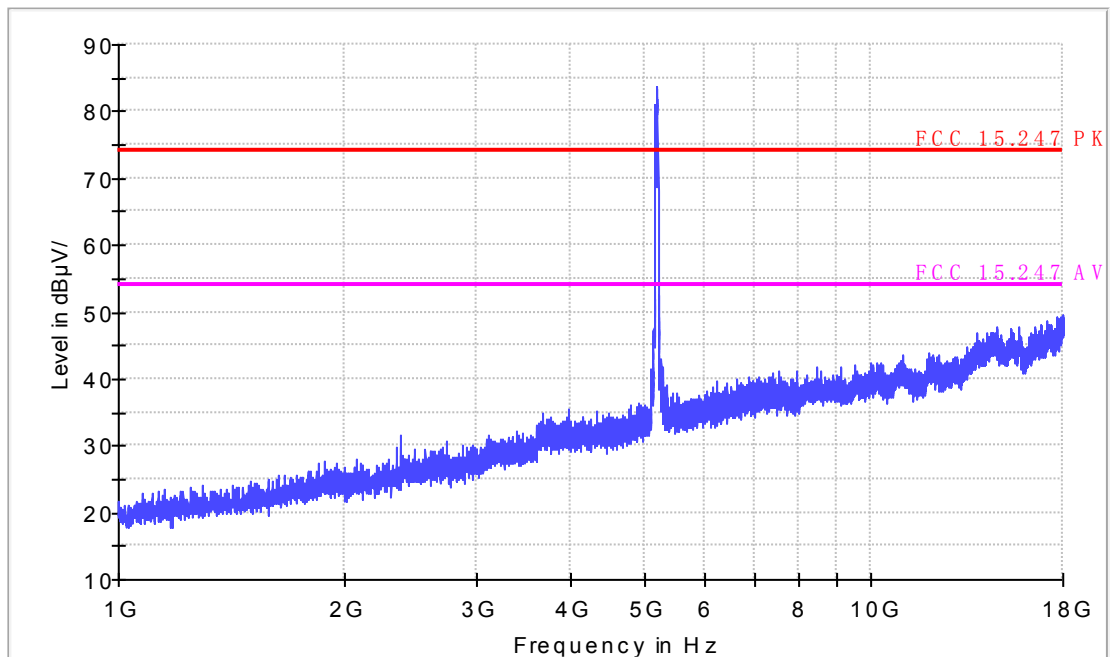
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH38
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

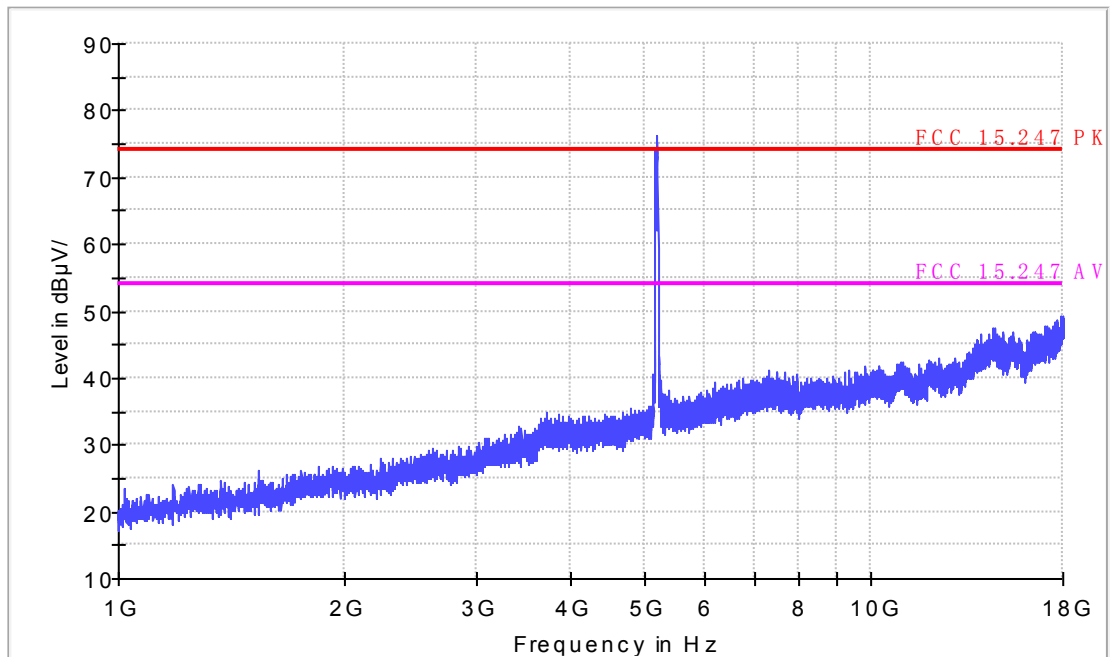
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH38
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.2GHz BAND

CH46

Radiated Emission

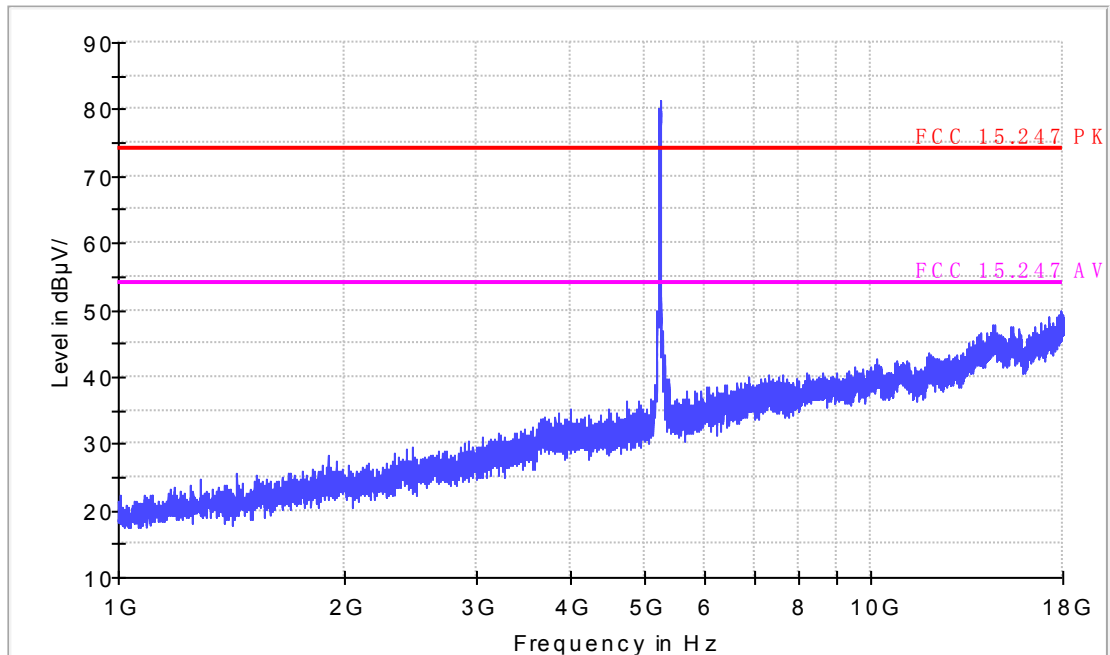
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH46
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

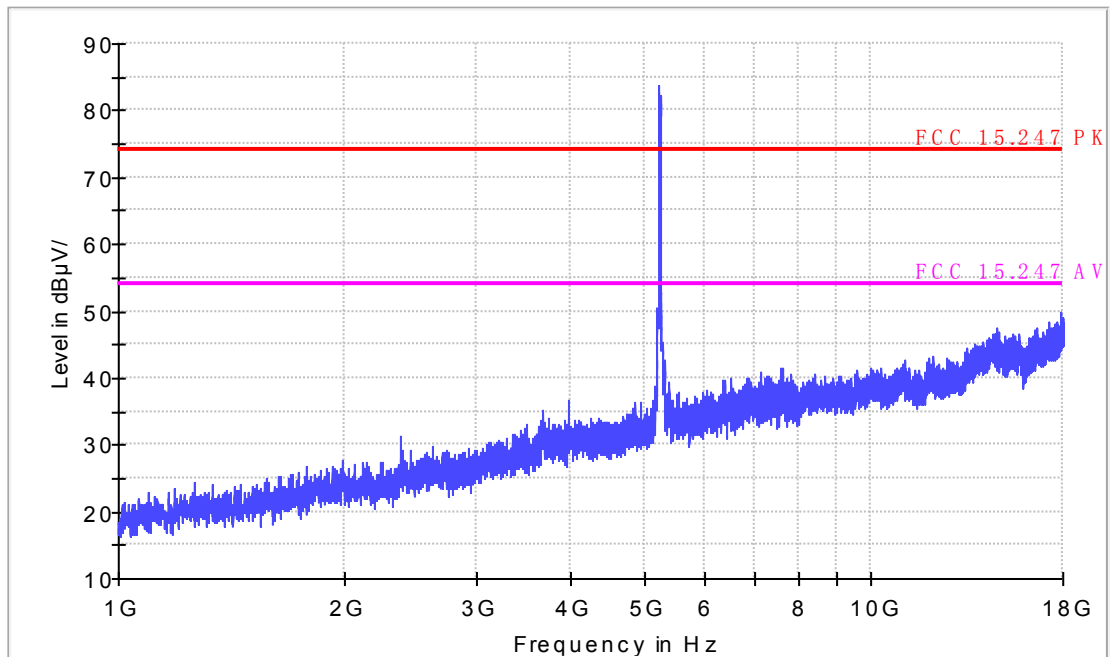
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH46
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11ac VH80 IN THE 5.2GHz BAND

CH42

Radiated Emission

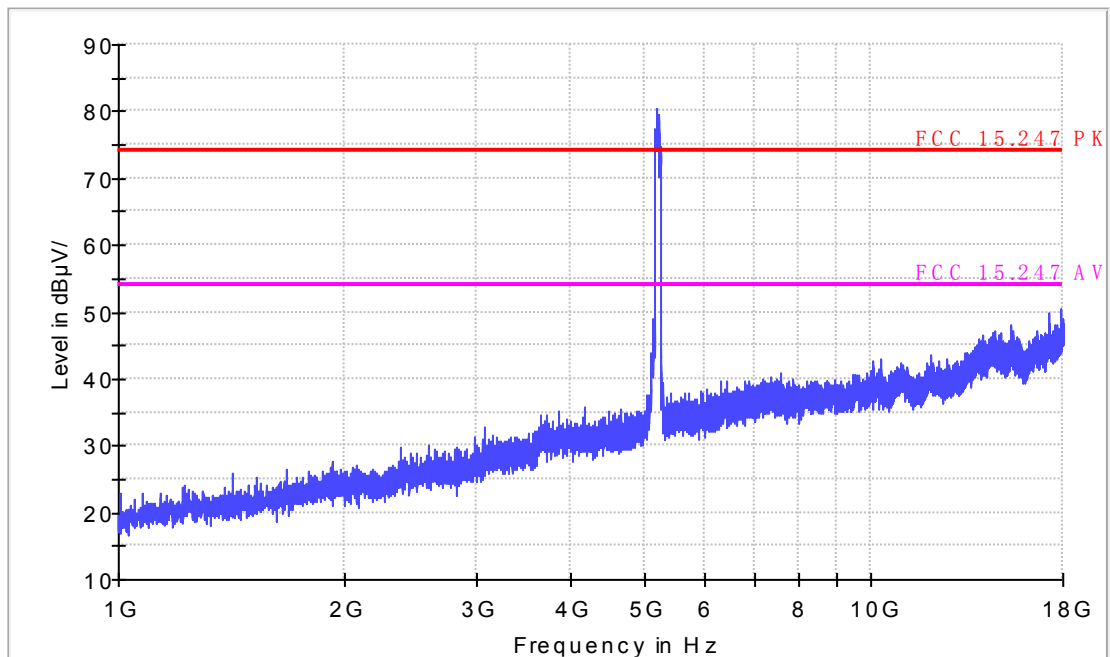
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac HT80 CH42
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

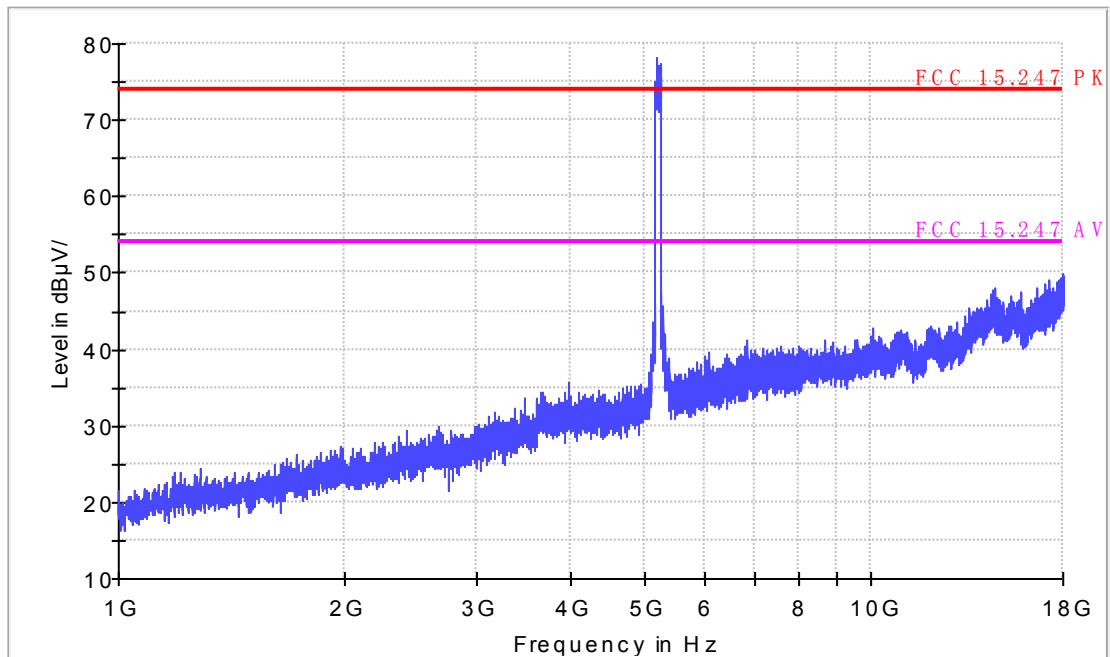
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac HT80 CH42
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.8GHz BAND

CH149

Radiated Emission

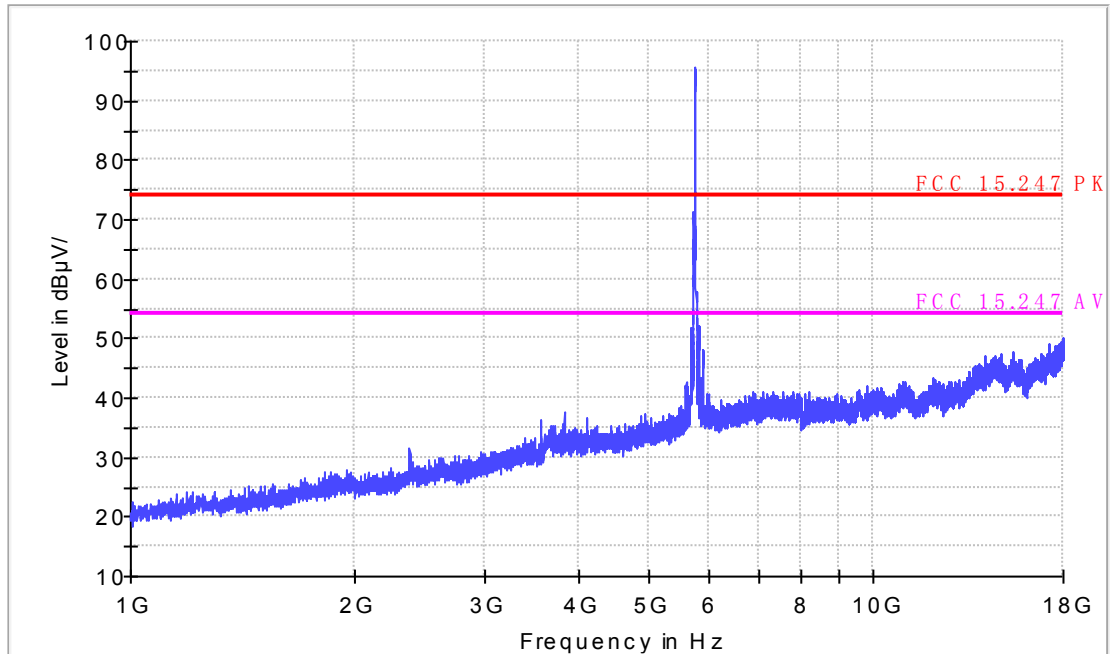
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

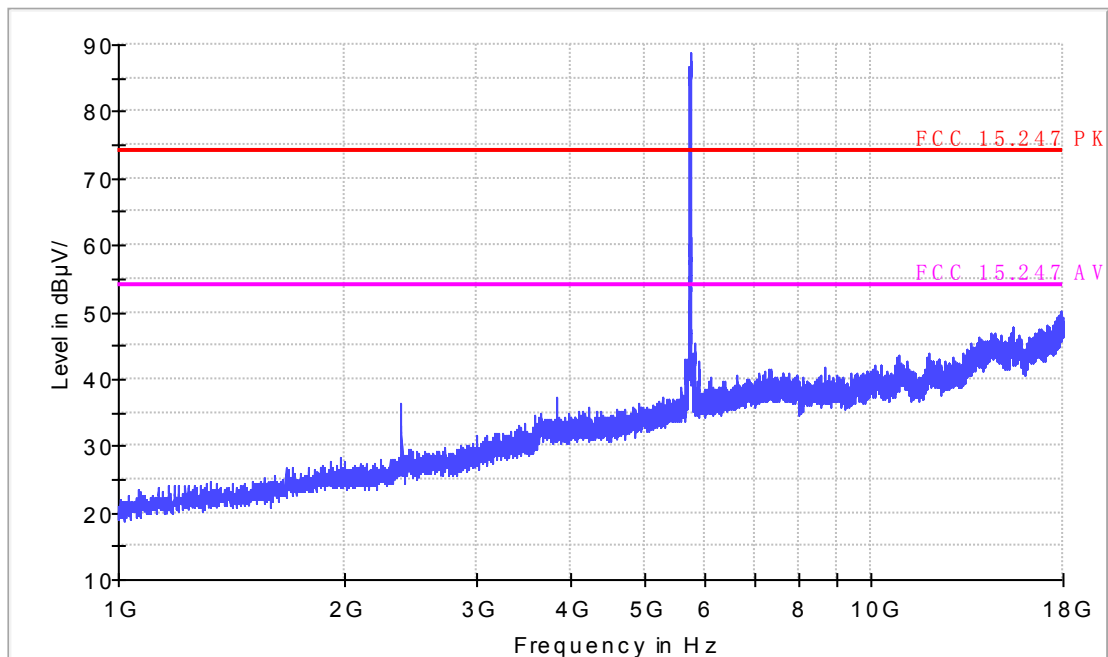
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.8GHz BAND

CH157

Radiated Emission

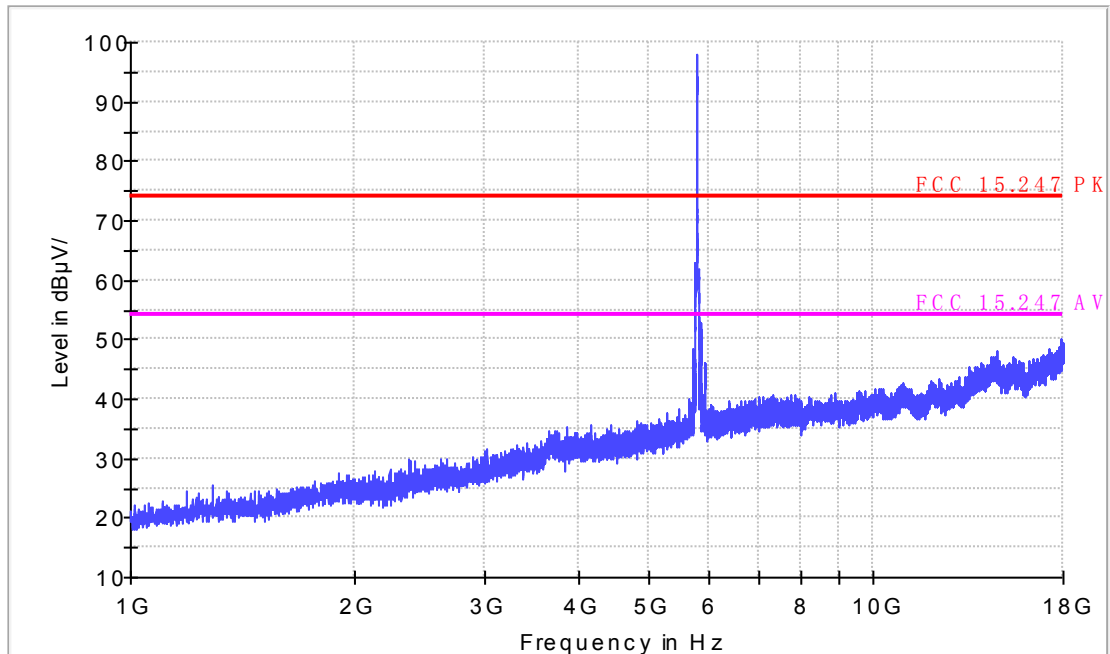
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH157
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

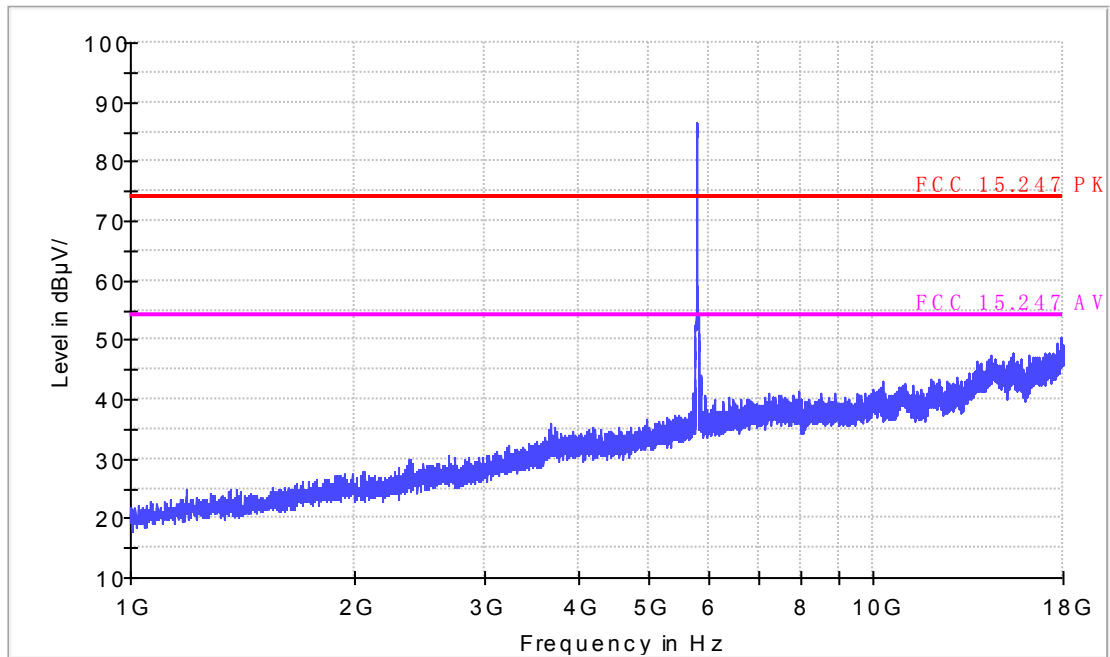
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH157
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.8GHz BAND

CH165

Radiated Emission

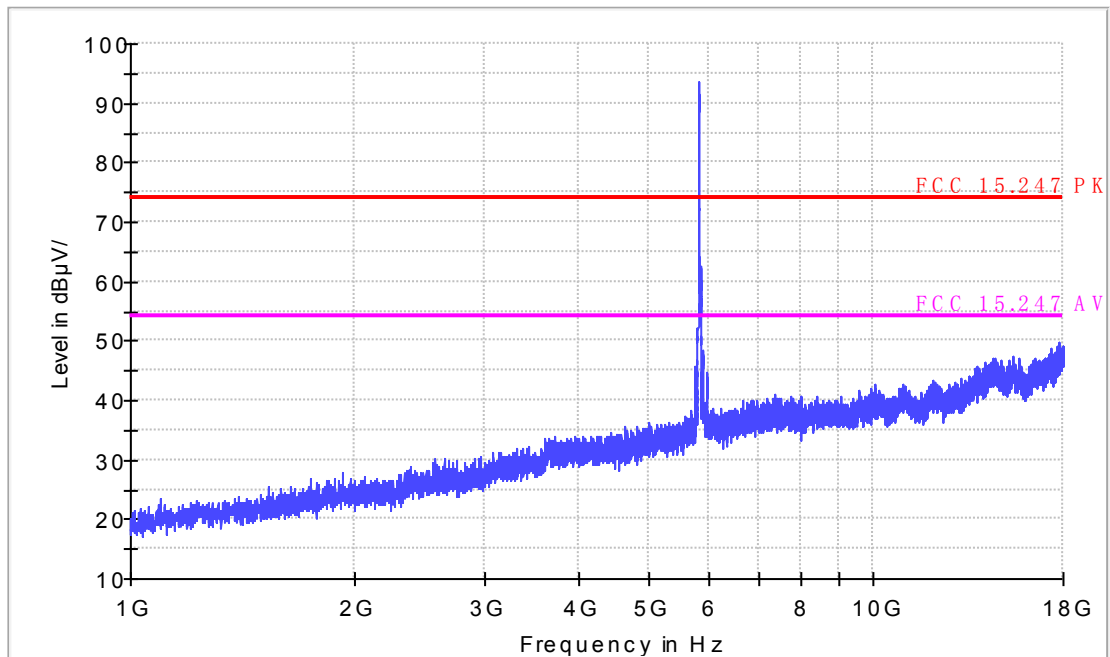
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

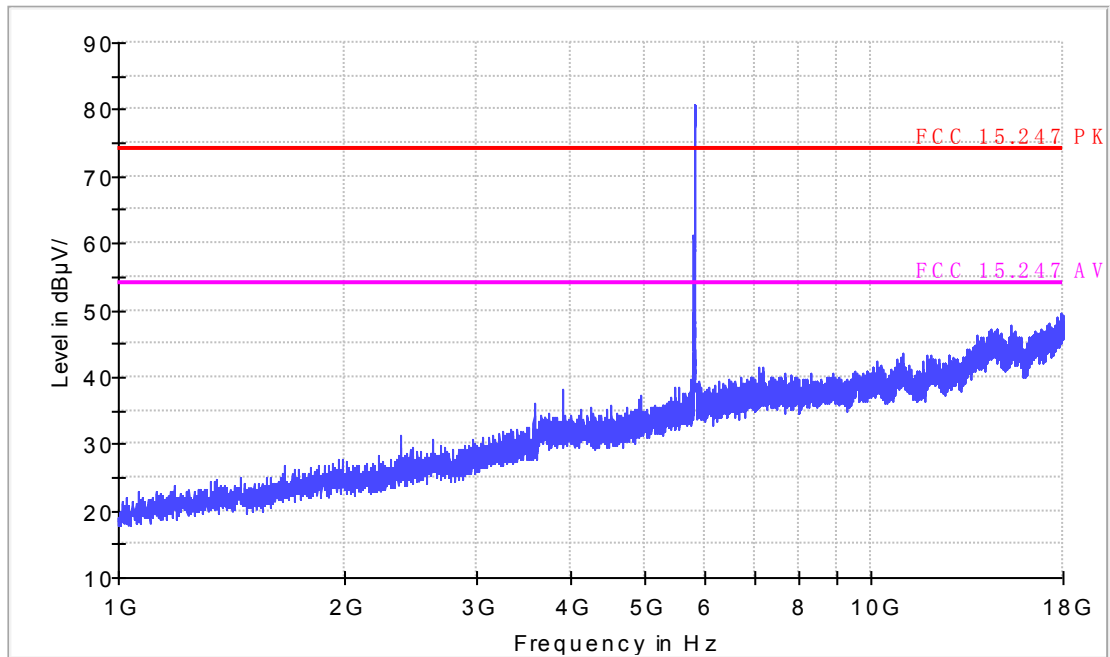
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.8GHz BAND

CH149

Radiated Emission

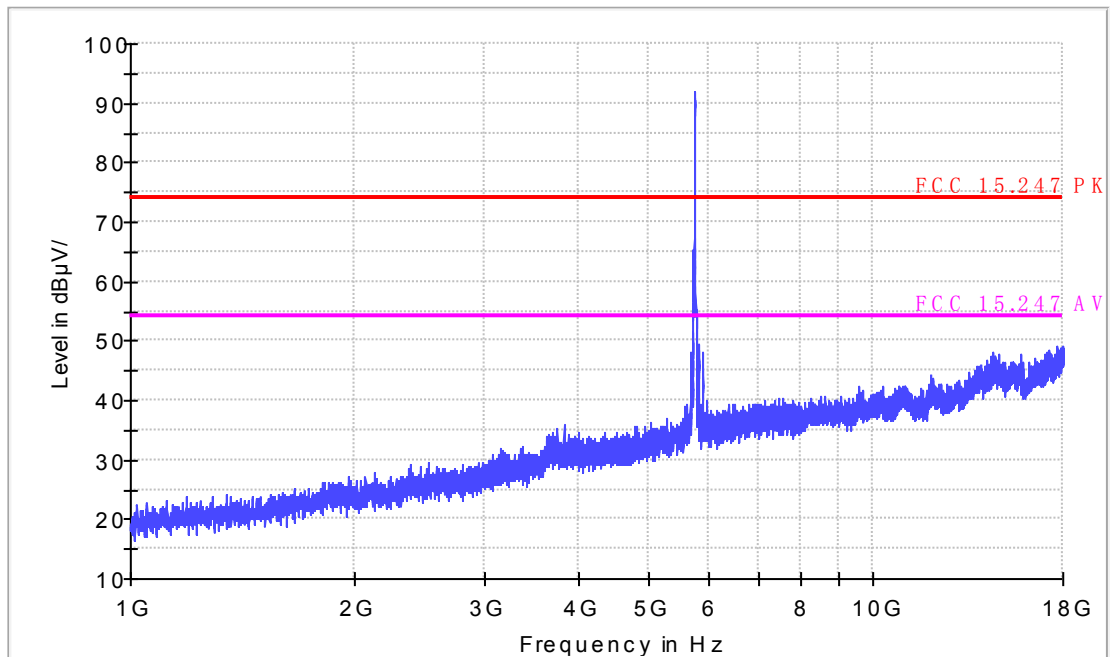
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

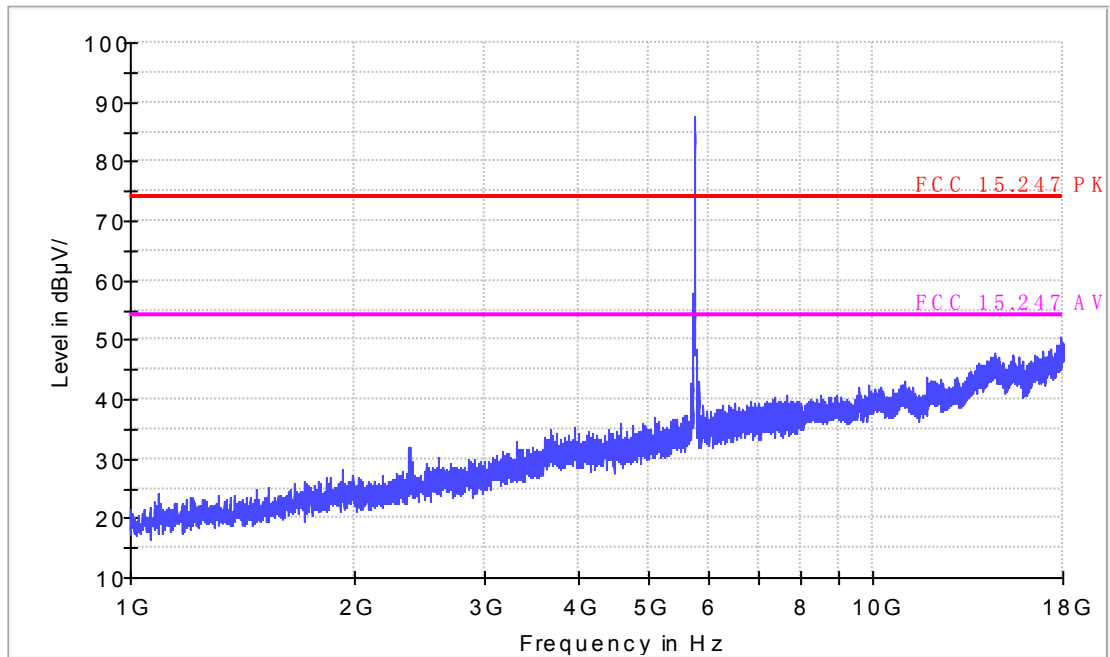
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.8GHz BAND

CH157

Radiated Emission

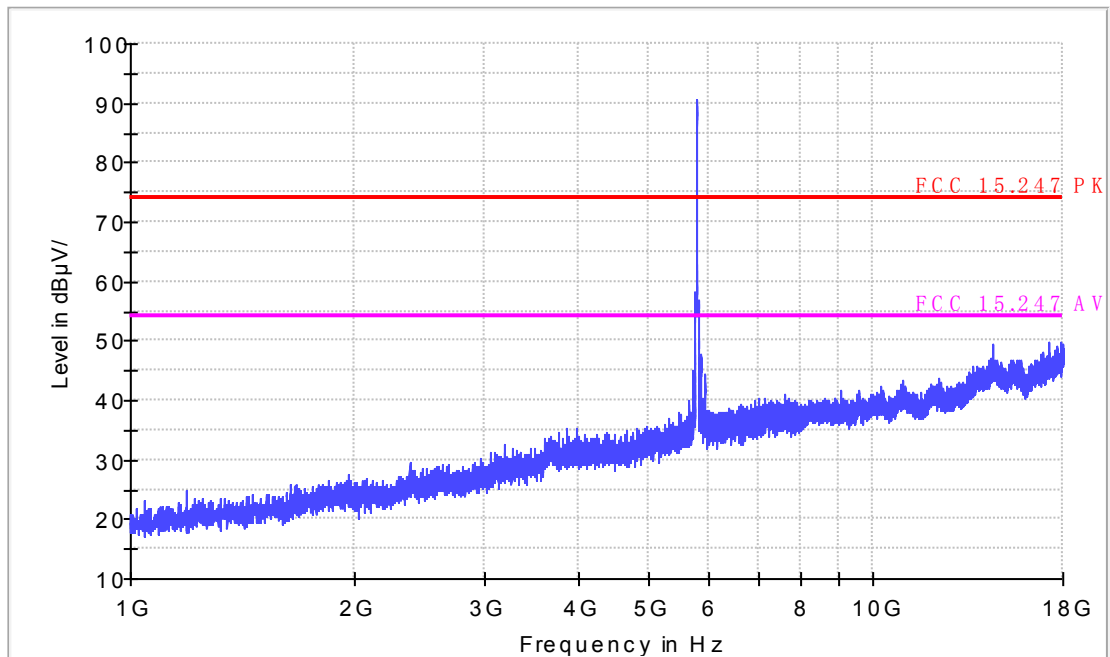
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH157
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

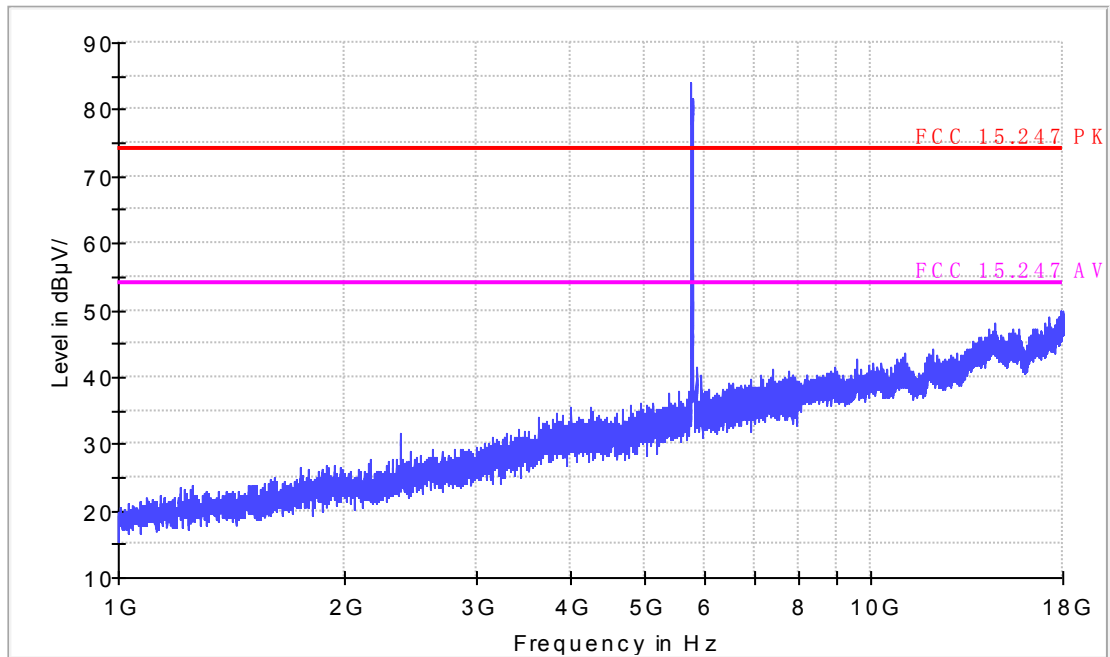
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH157
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.8GHz BAND

CH165

Radiated Emission

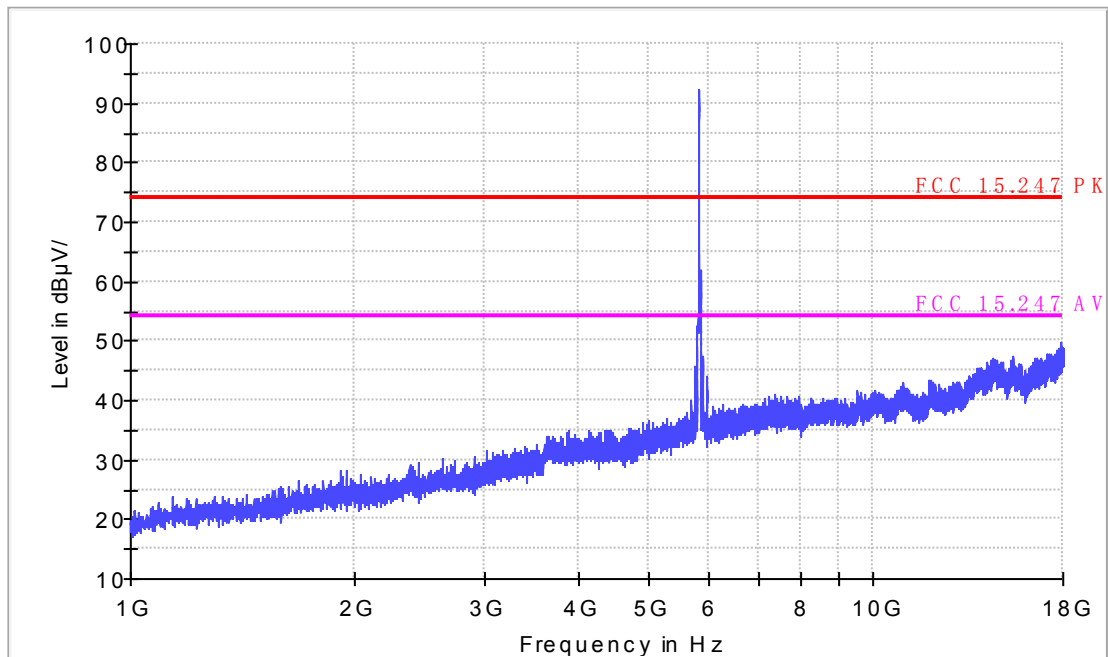
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

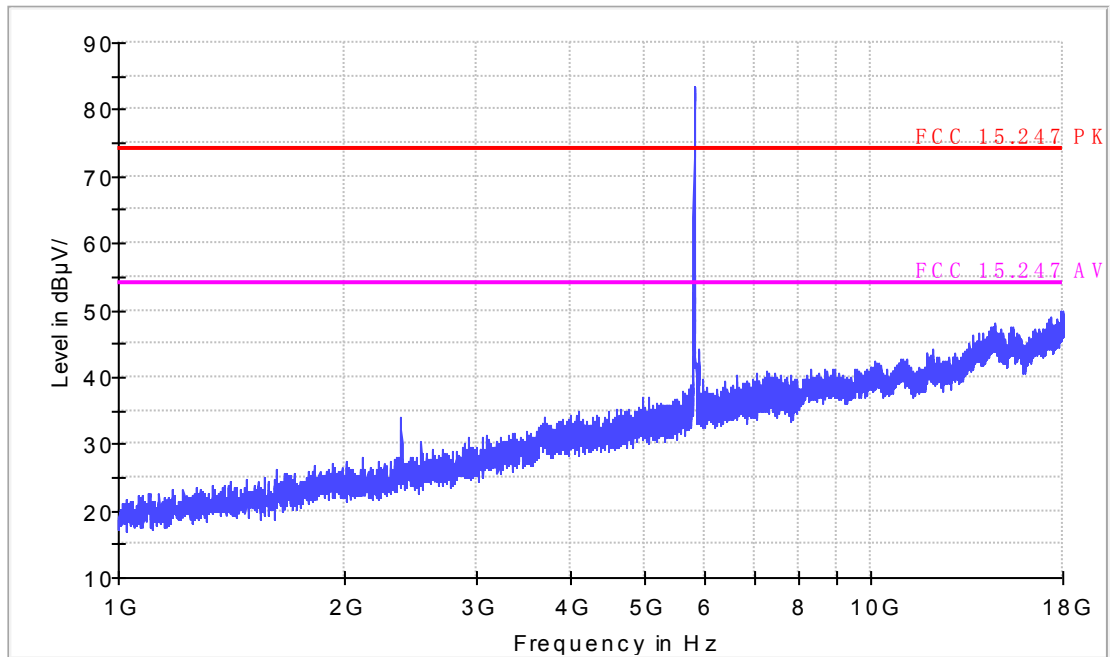
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.8GHz BAND

CH151

Radiated Emission

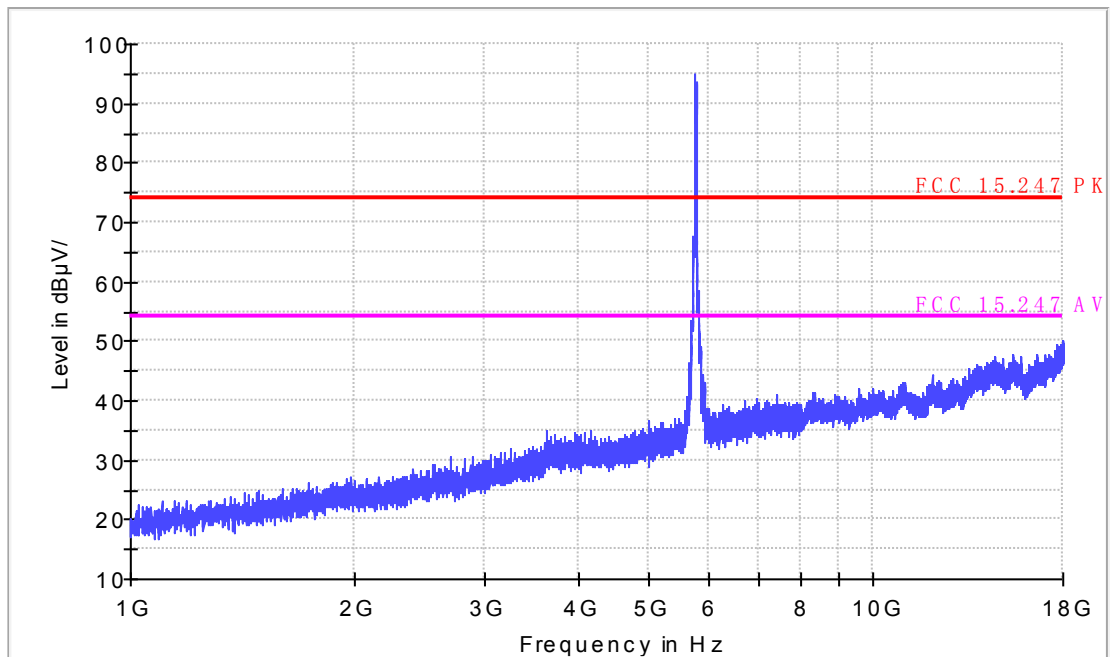
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH151
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

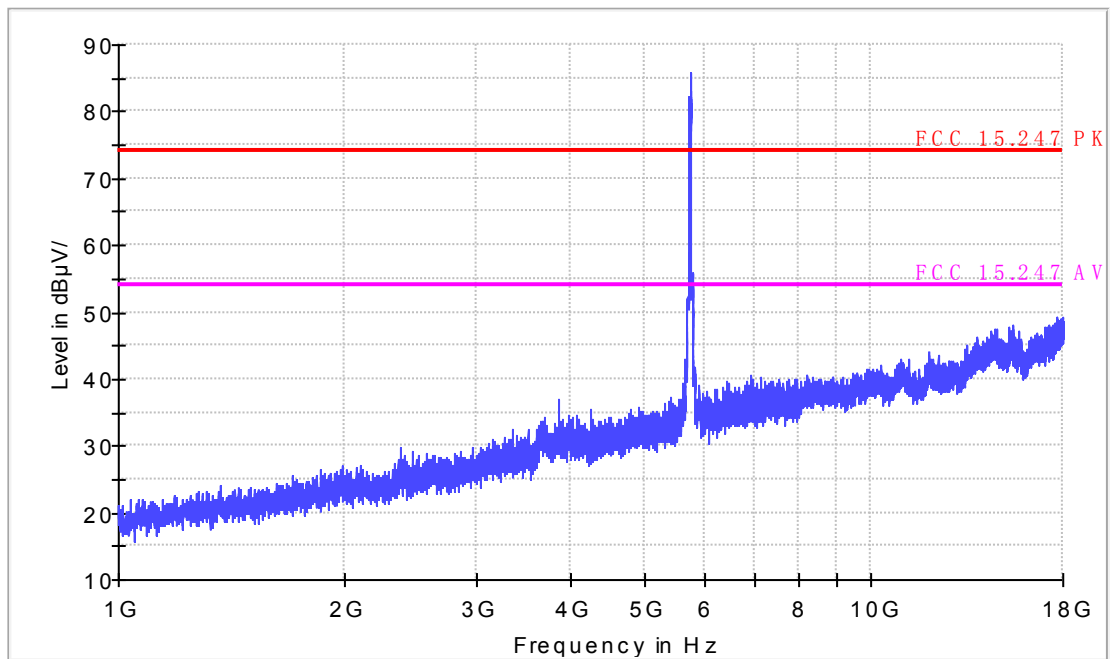
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH151
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.8GHz BAND

CH159

Radiated Emission

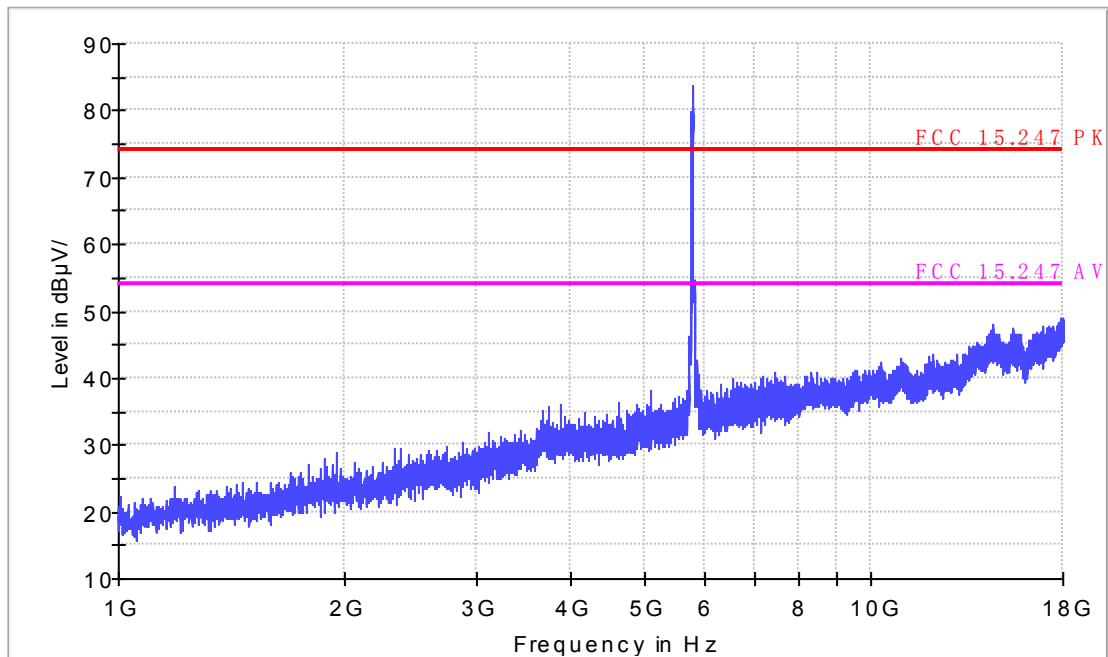
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH159
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

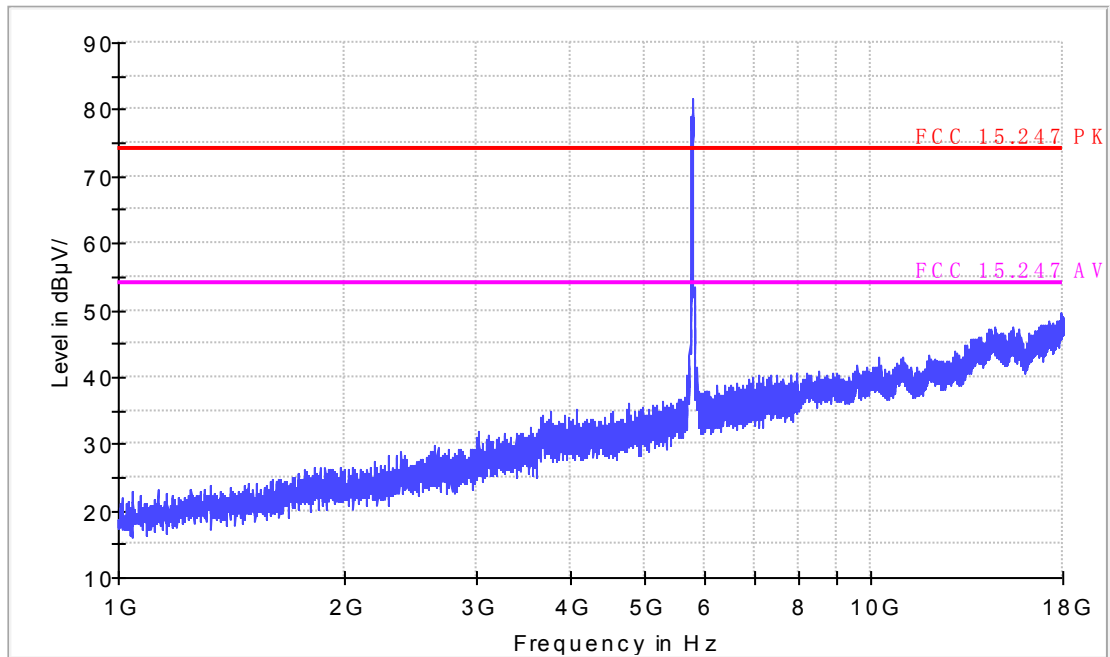
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH159
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11ac VH80 IN THE 5.8GHz BAND

CH155

Radiated Emission

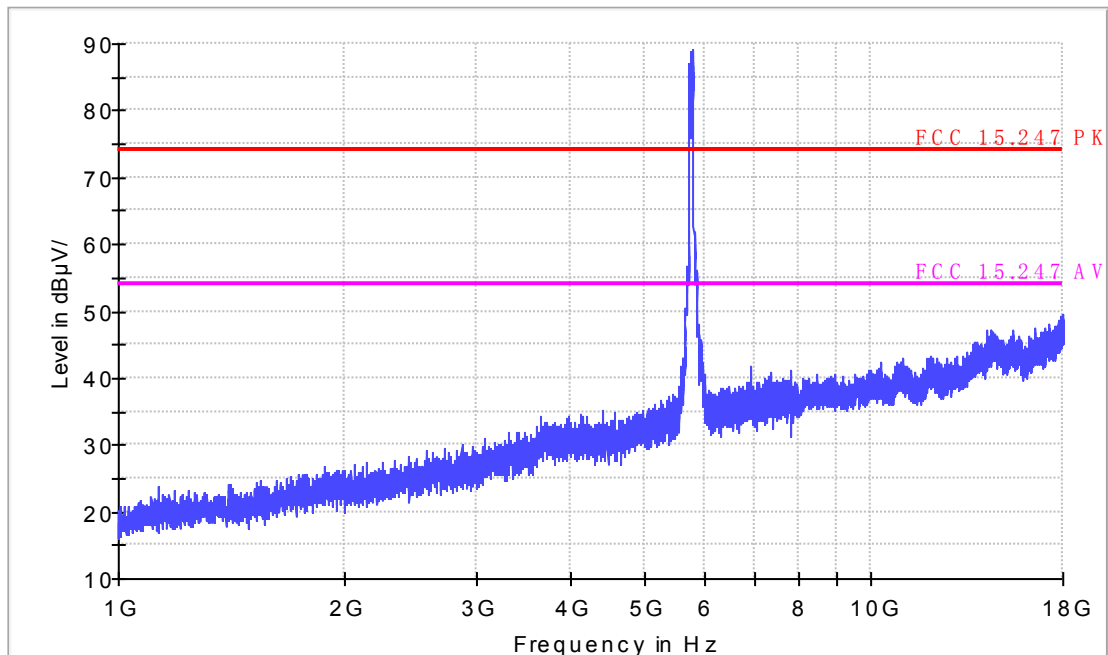
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH155
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

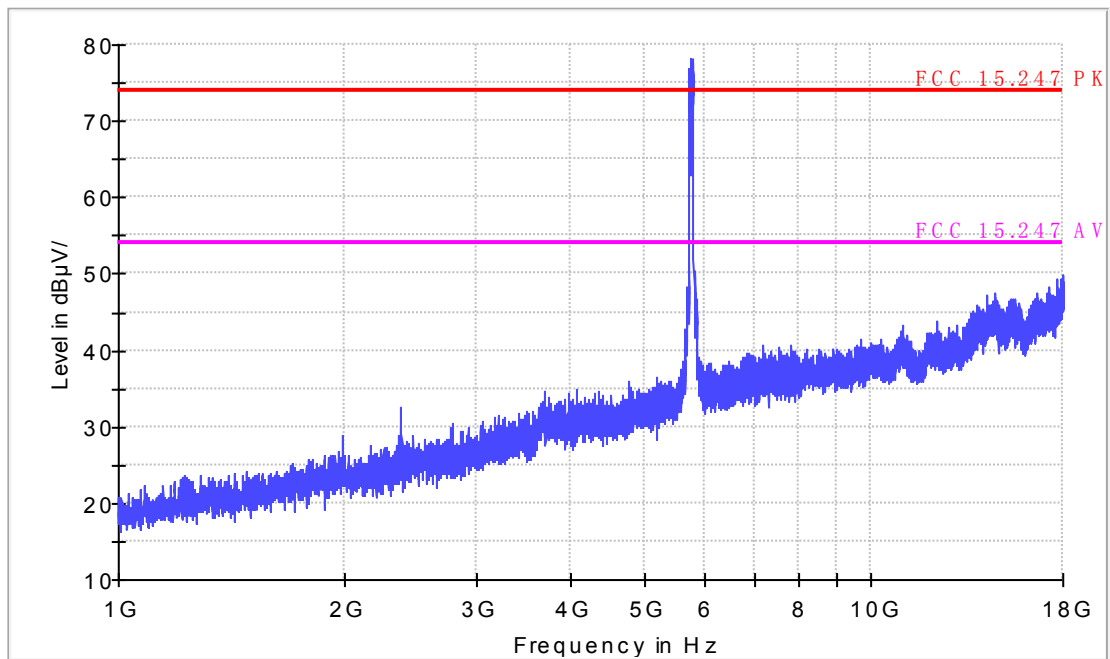
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH155
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz



18-26.5G

No Peak found in pre-scan, only worst case result is listed in this report.

Radiated Emission

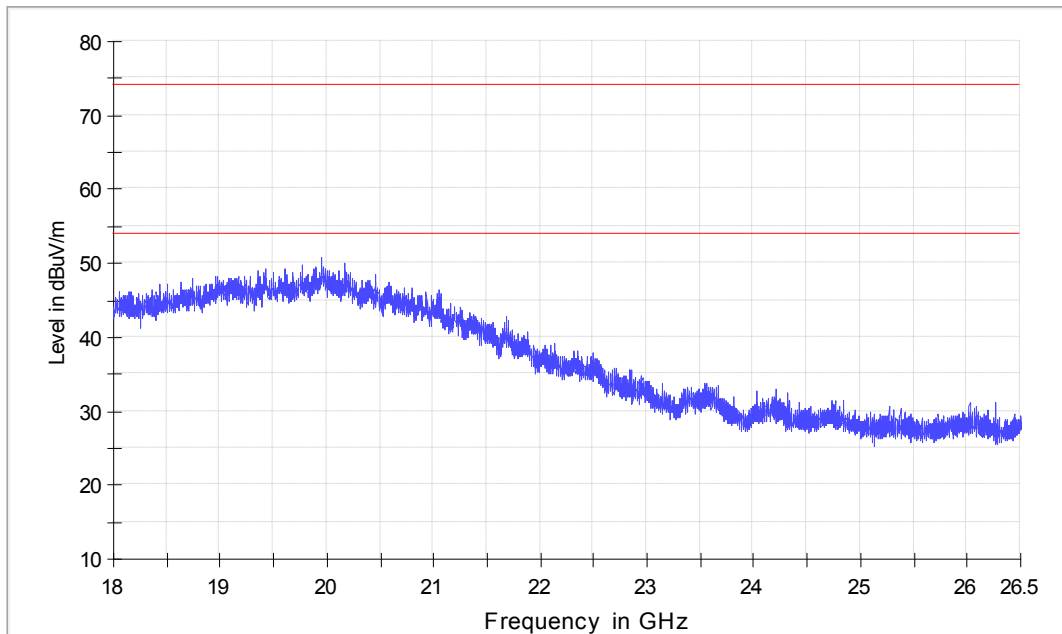
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: Transmitting
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

Electric Field Strength 18-26.5GHz



Radiated Emission

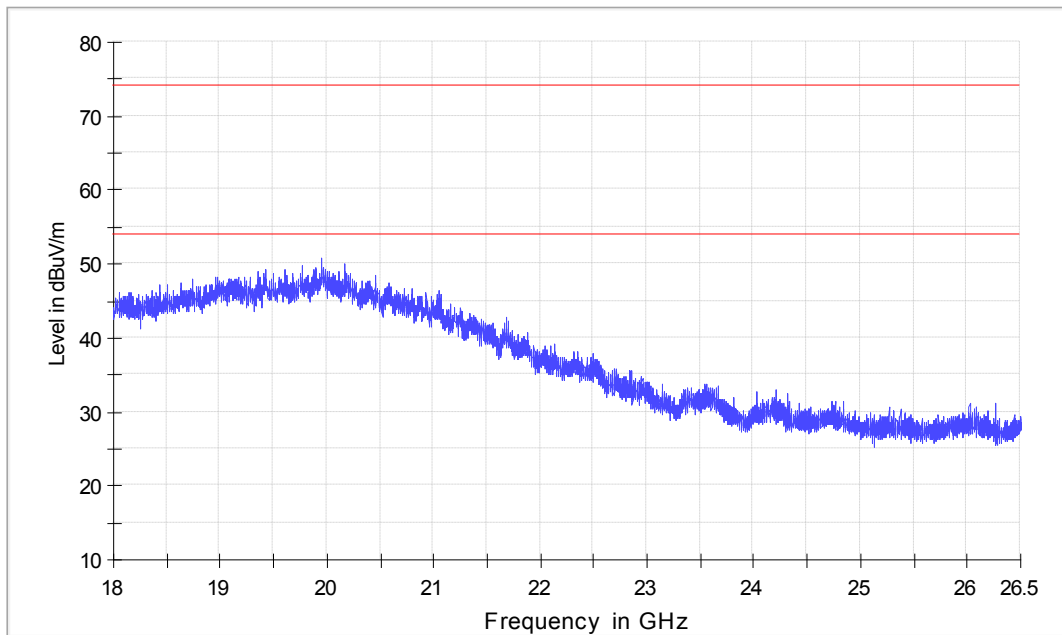
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: Transmitting
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

Electric Field Strength 18-26.5GHz



26.5-40G

No Peak found in pre-scan, only worst case result is listed in this report.

Radiated Emission

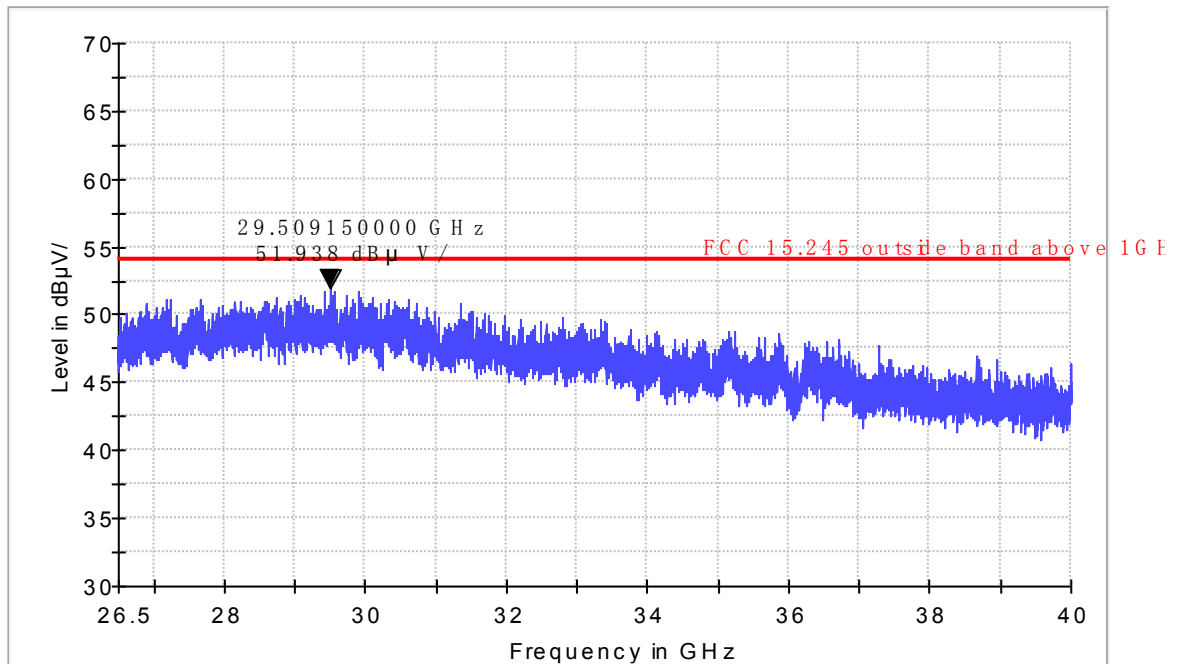
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: Transmittina
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 26.5-40GHz



Radiated Emission

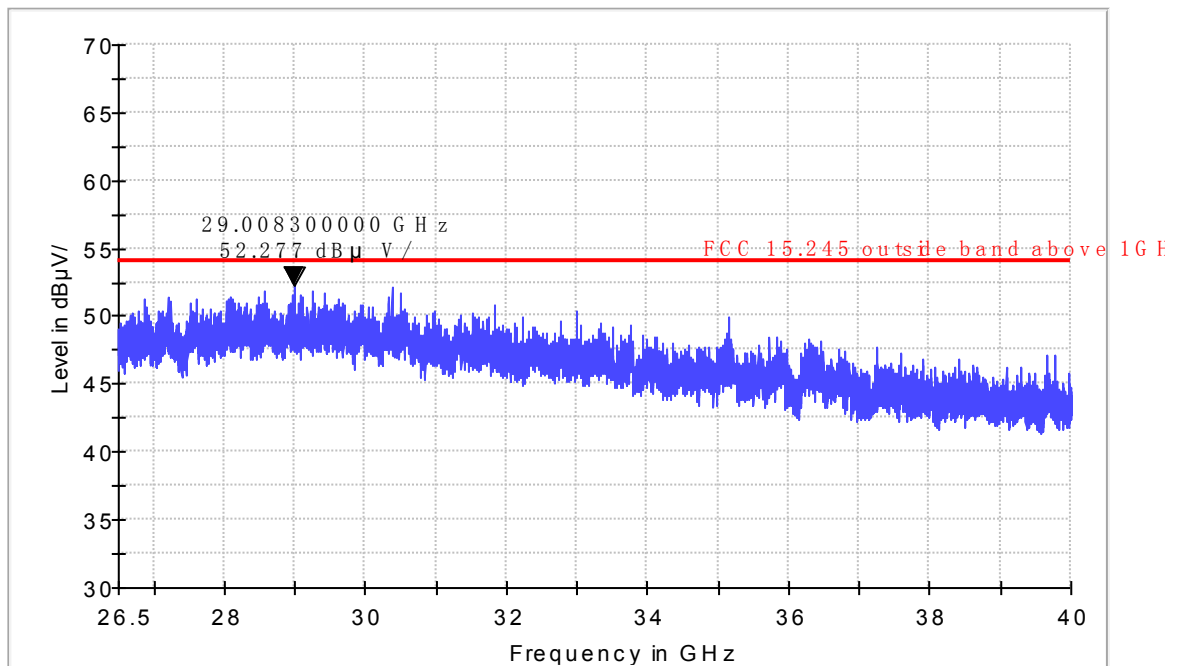
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: Transmitting
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 26.5-40GHz



Band edge

11a IN THE 5.2GHz BAND

CH36

Radiated Emission

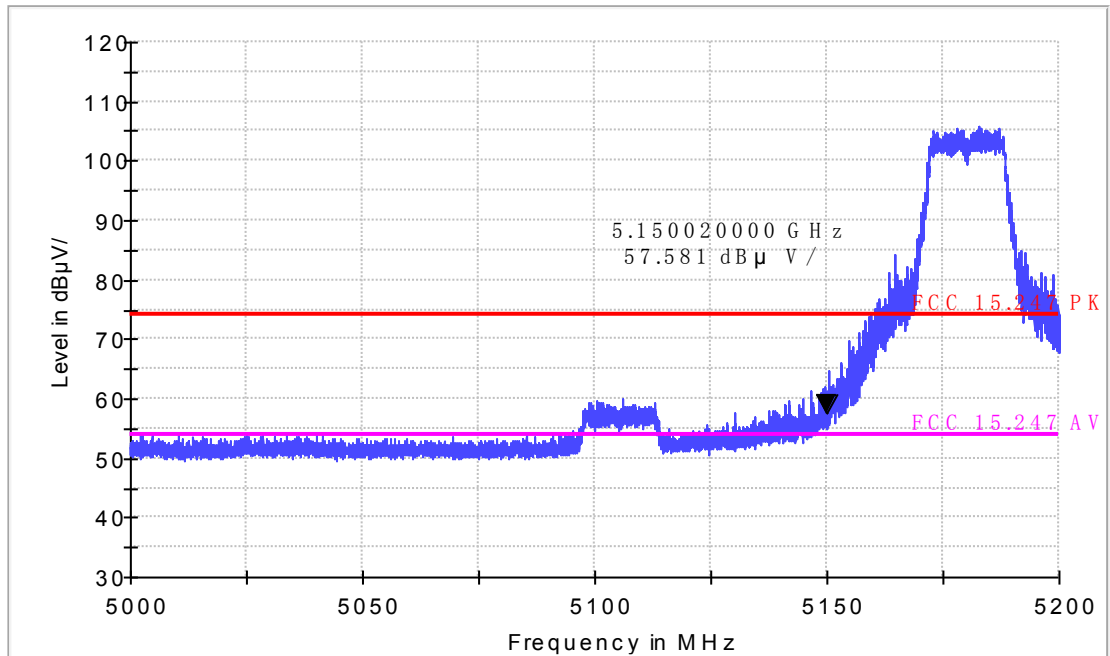
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

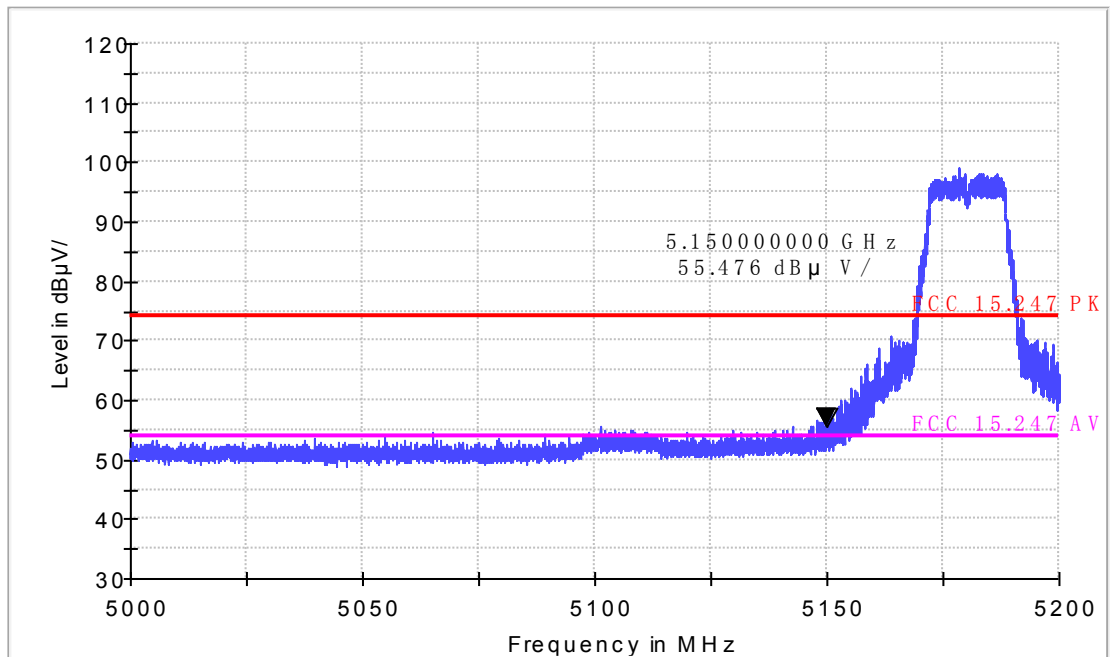
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

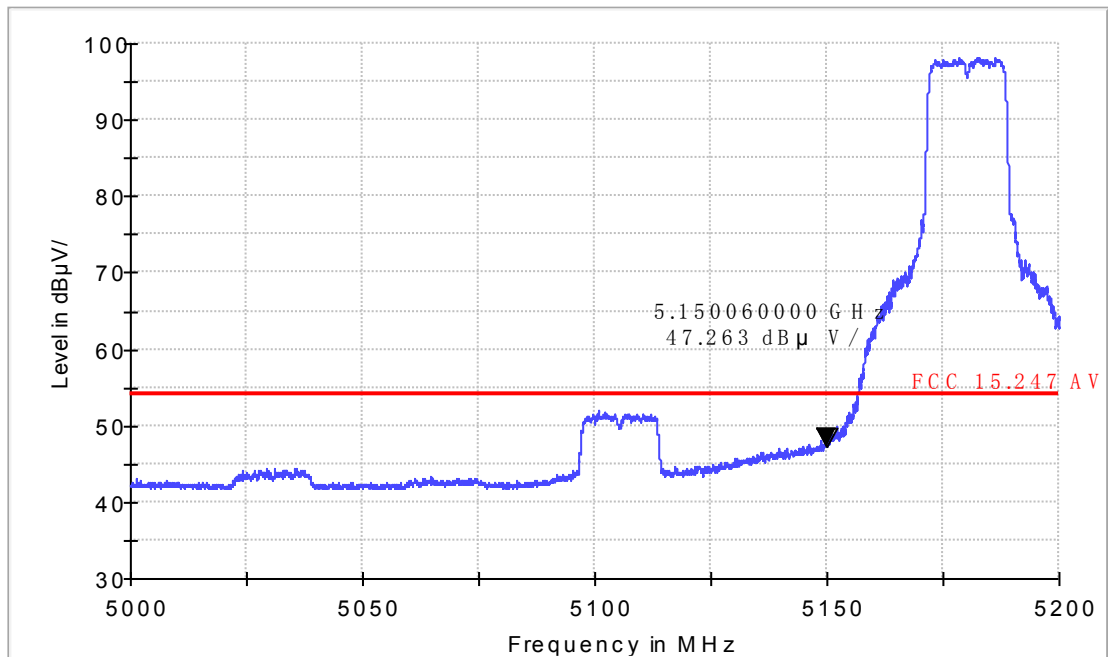
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Radiated Emission

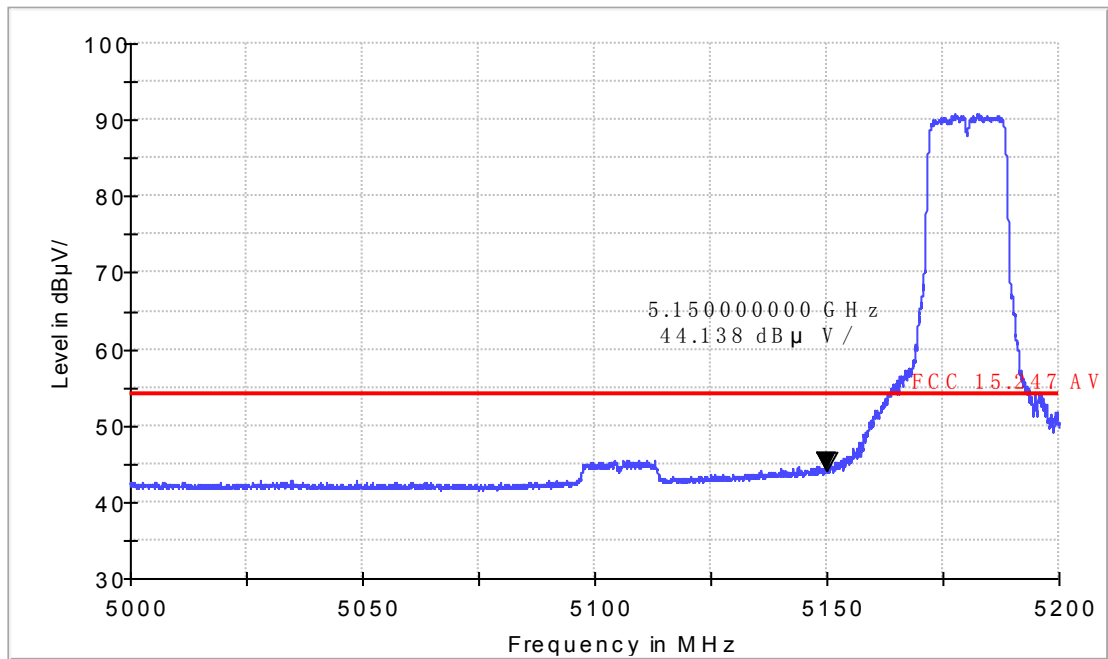
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Band edge

11n HT20 IN THE 5.2GHz BAND

CH36

Radiated Emission

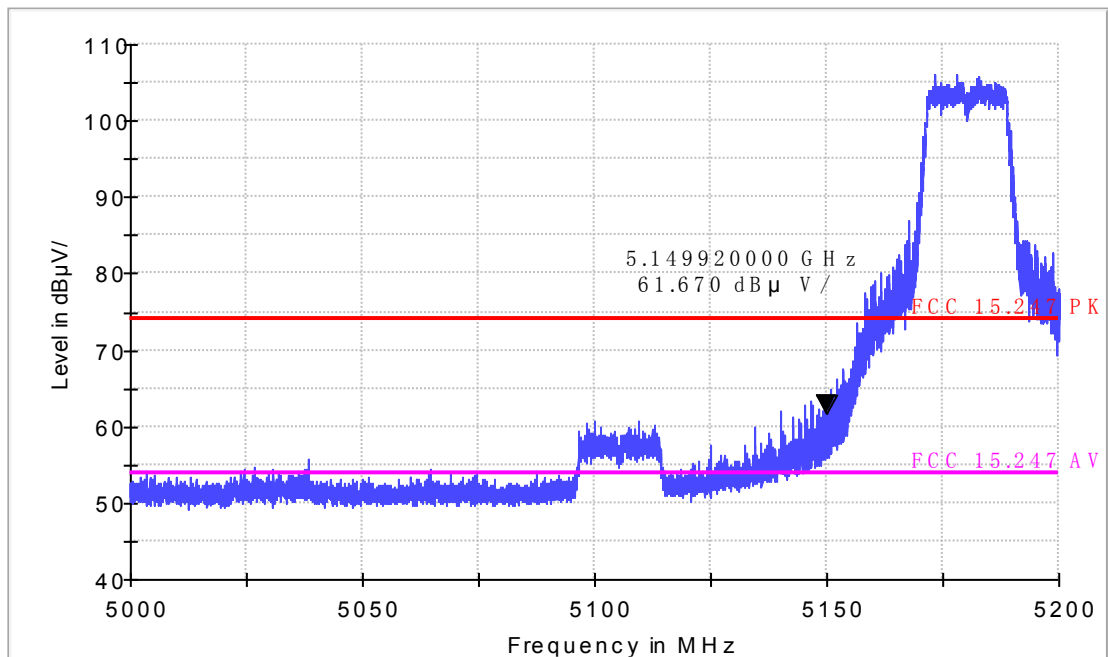
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

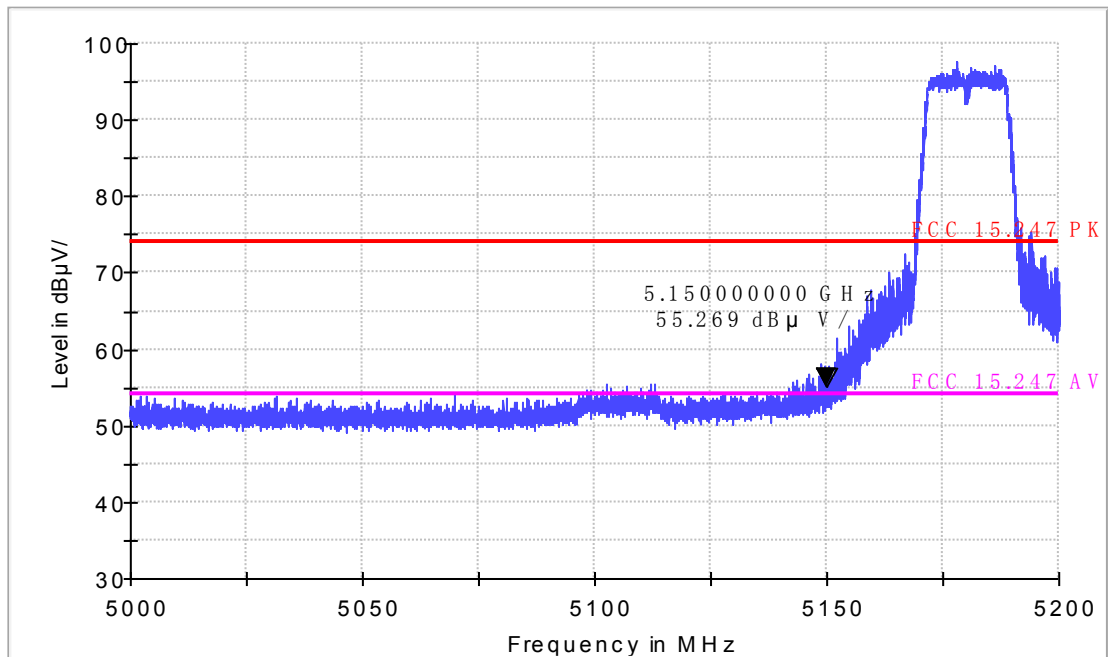
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

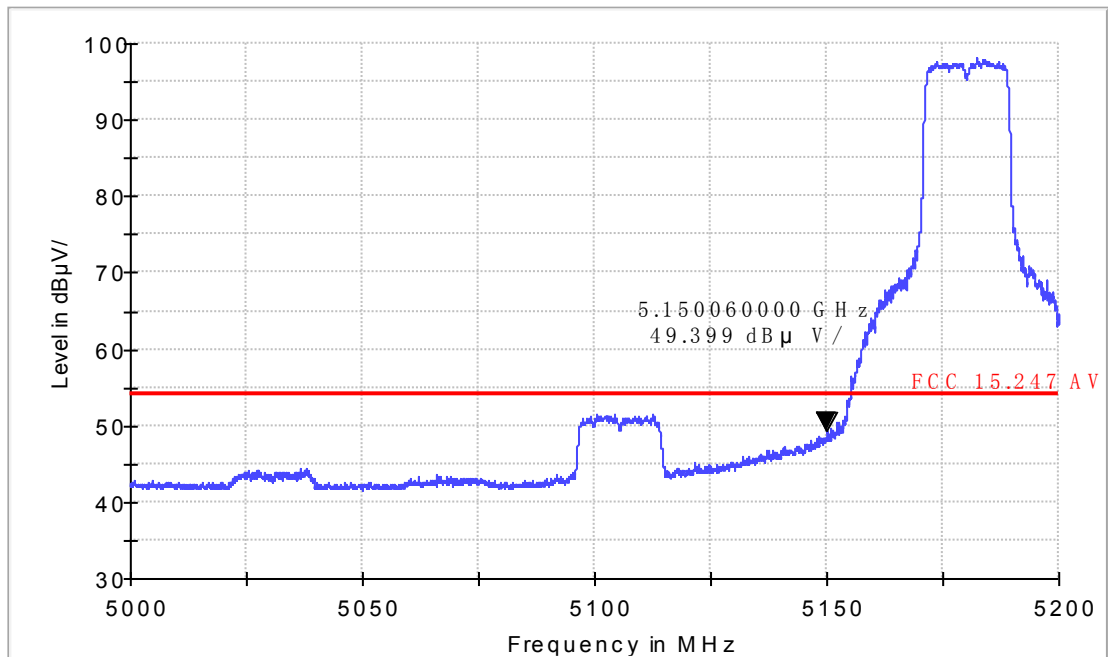
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Radiated Emission

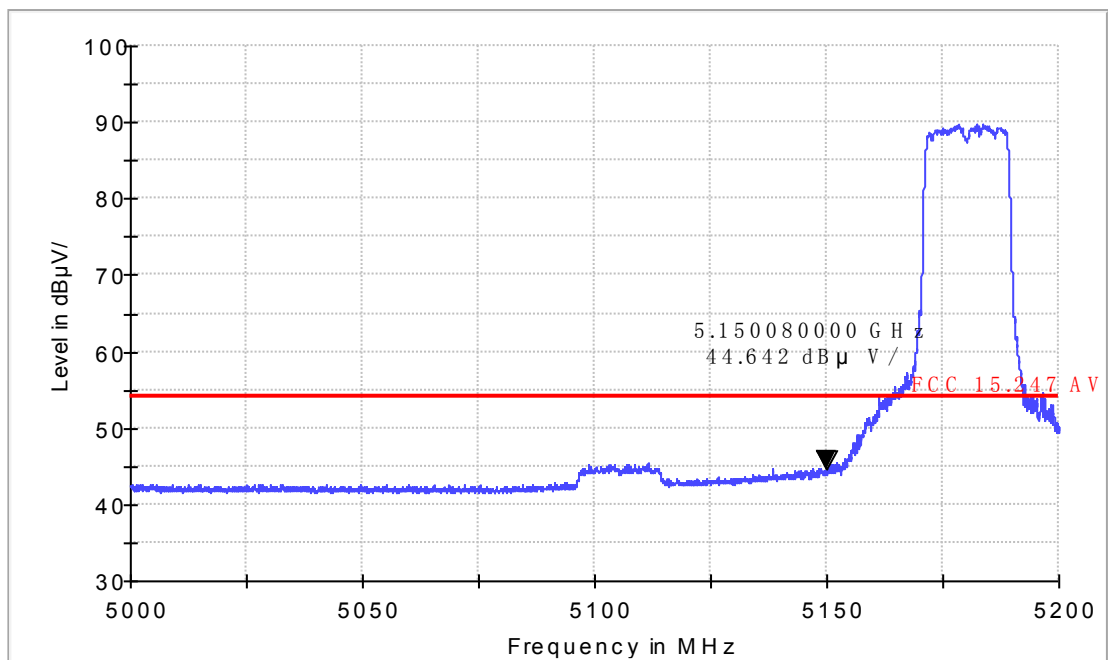
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH36
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Band edge

11n HT40 IN THE 5.2GHz BAND

CH38

Radiated Emission

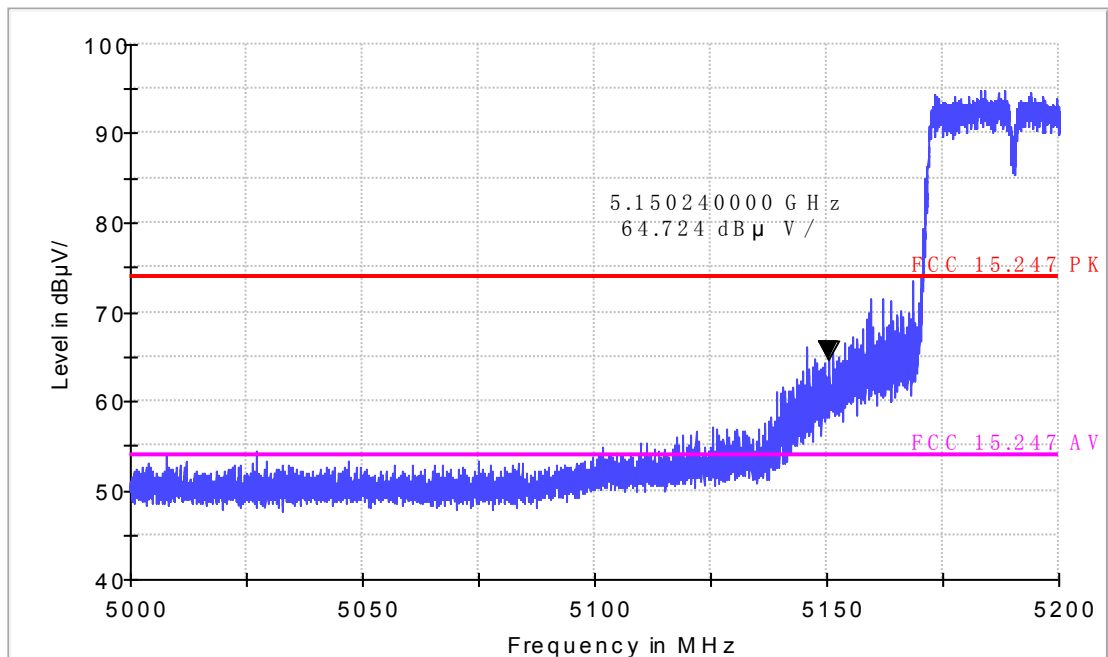
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH38
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

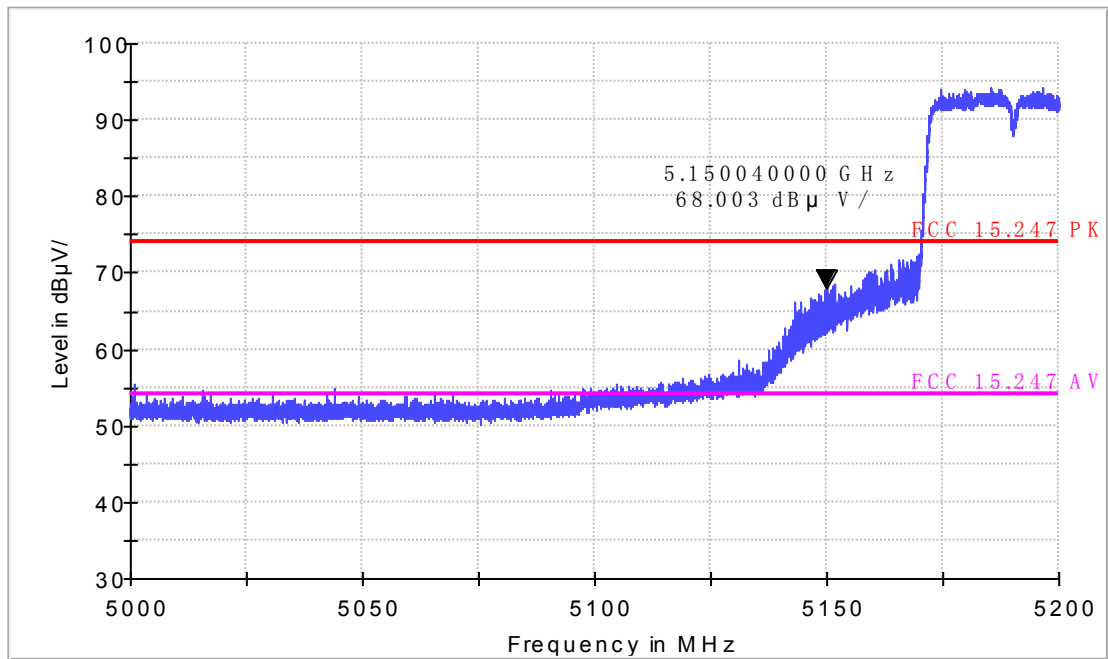
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH38
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

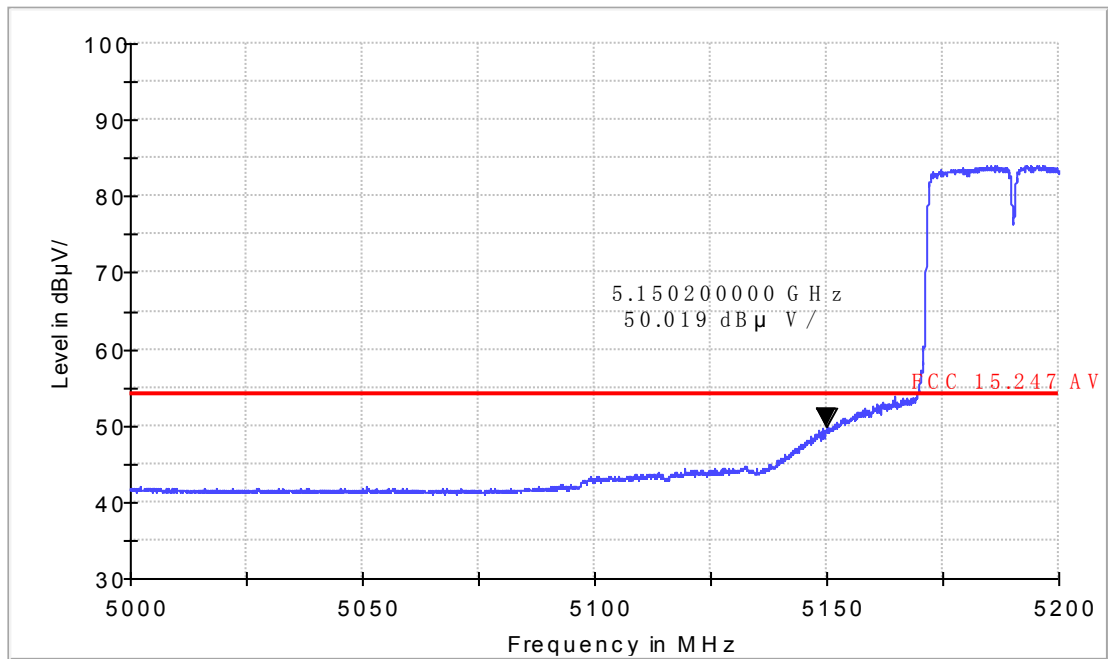
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH38
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Radiated Emission

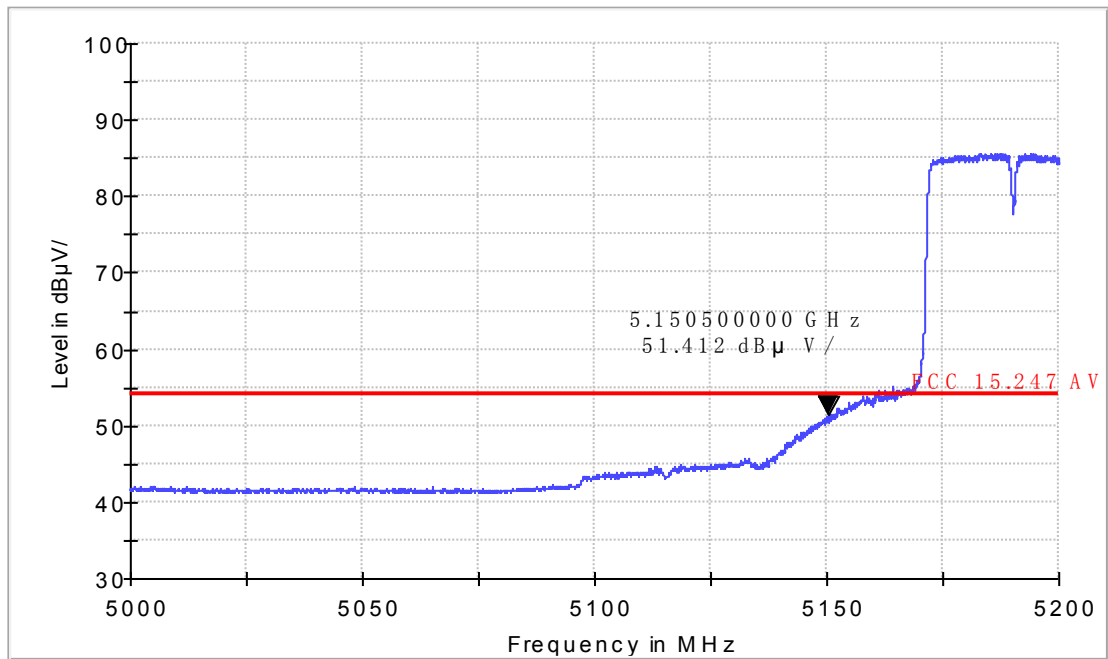
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH38
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Band edge

11ac VH80 IN THE 5.2GHz BAND

CH42

Radiated Emission

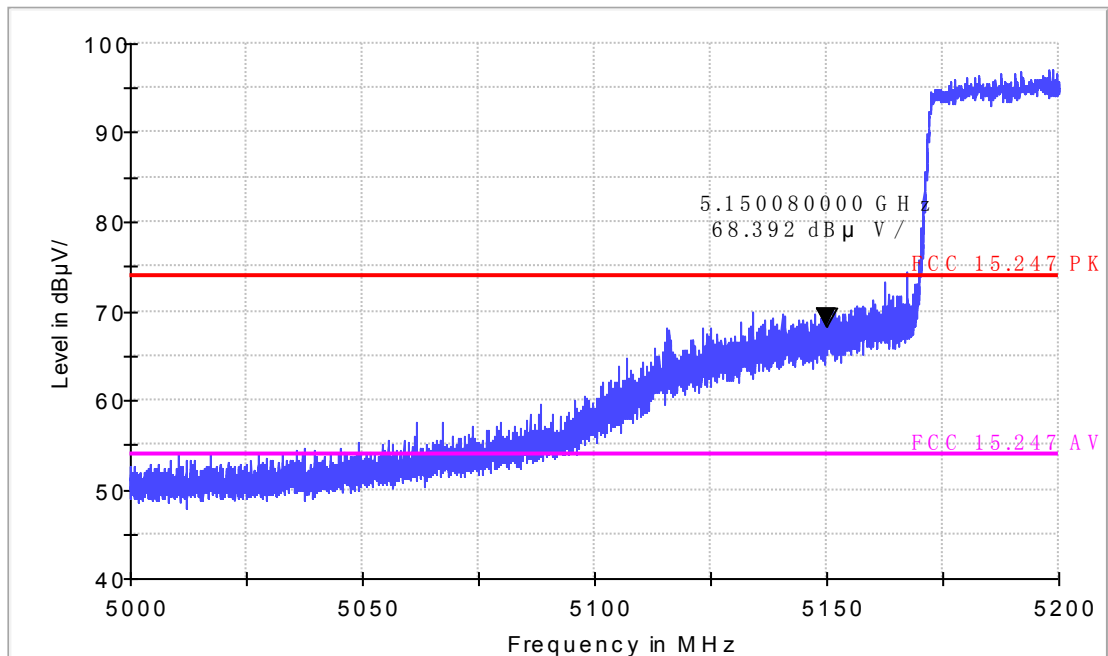
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH42
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

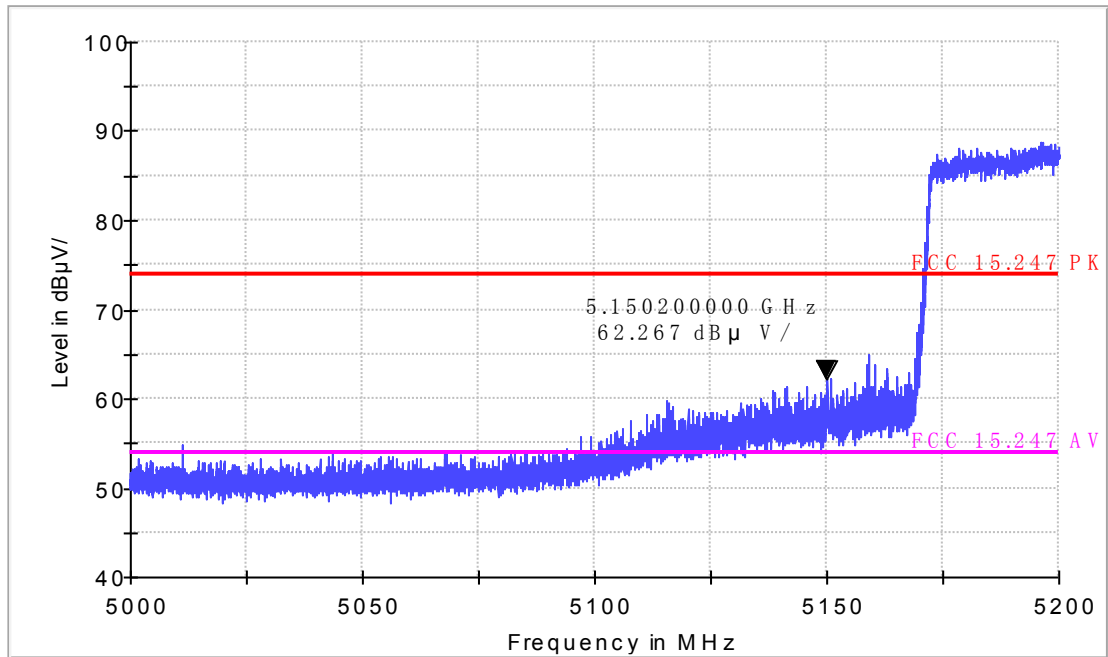
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH42
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-PK



Radiated Emission

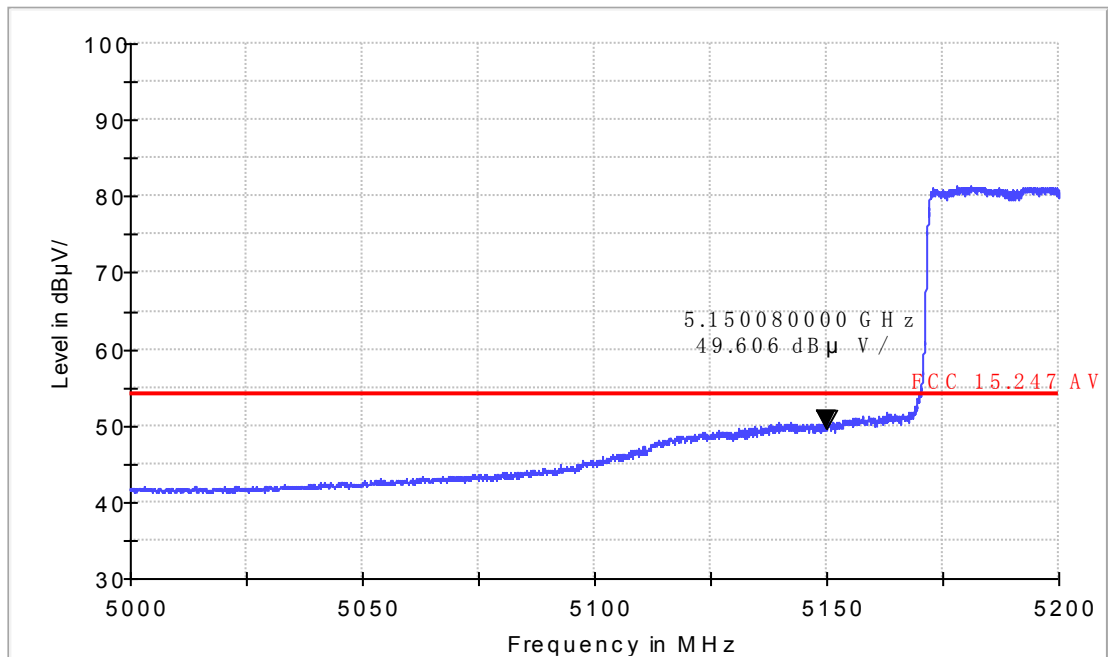
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH42
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Radiated Emission

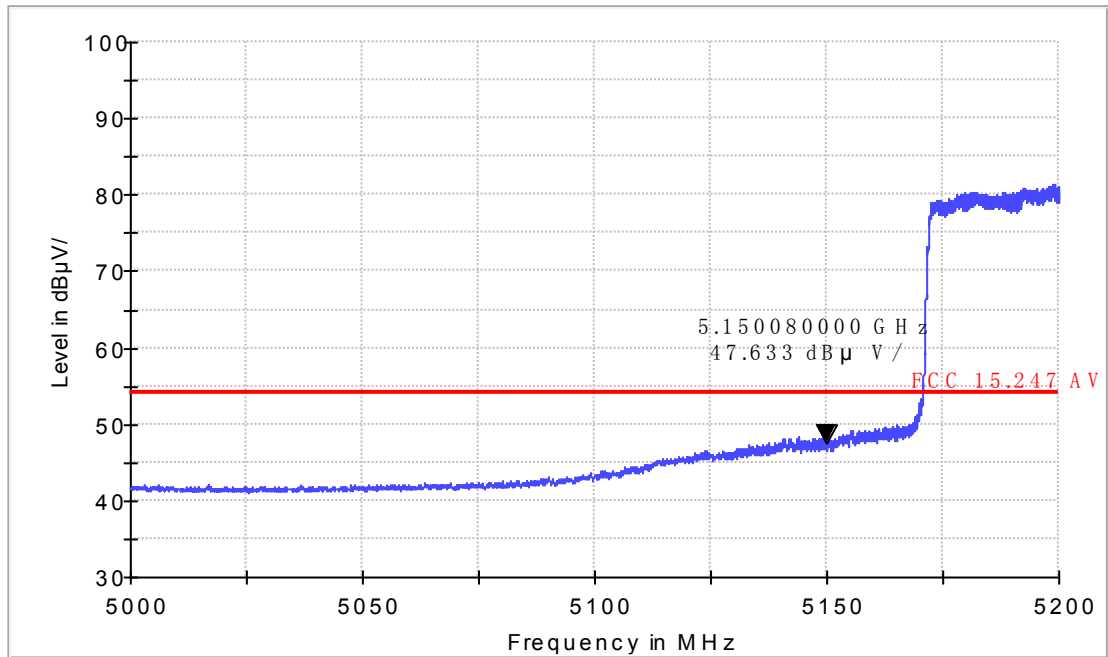
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH42
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC Electric Field Strength 1-18GHz operate on 5GHz Bandedge-AV



Band edge

11a IN THE 5.8GHz BAND

CH149

Radiated Emission

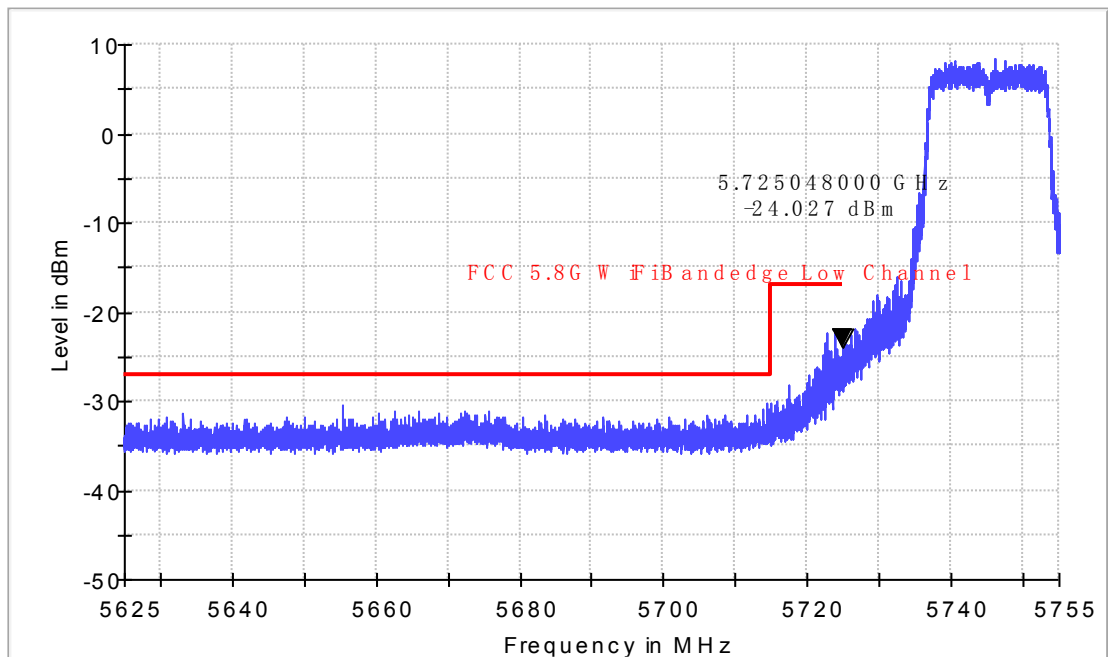
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

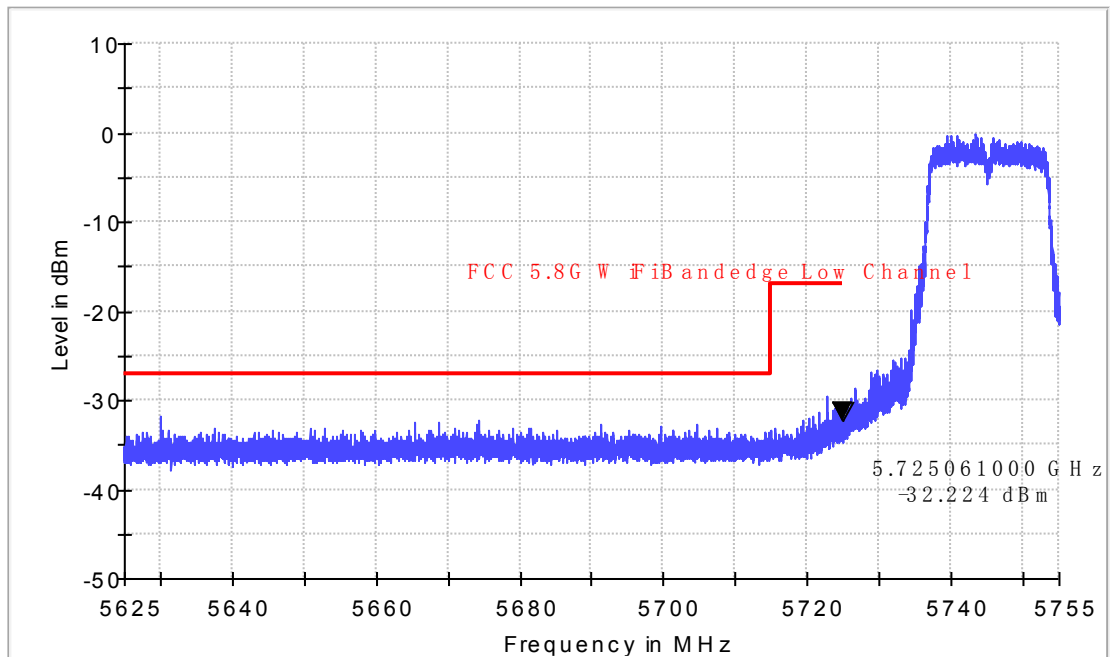
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11a IN THE 5.8GHz BAND

CH165

Radiated Emission

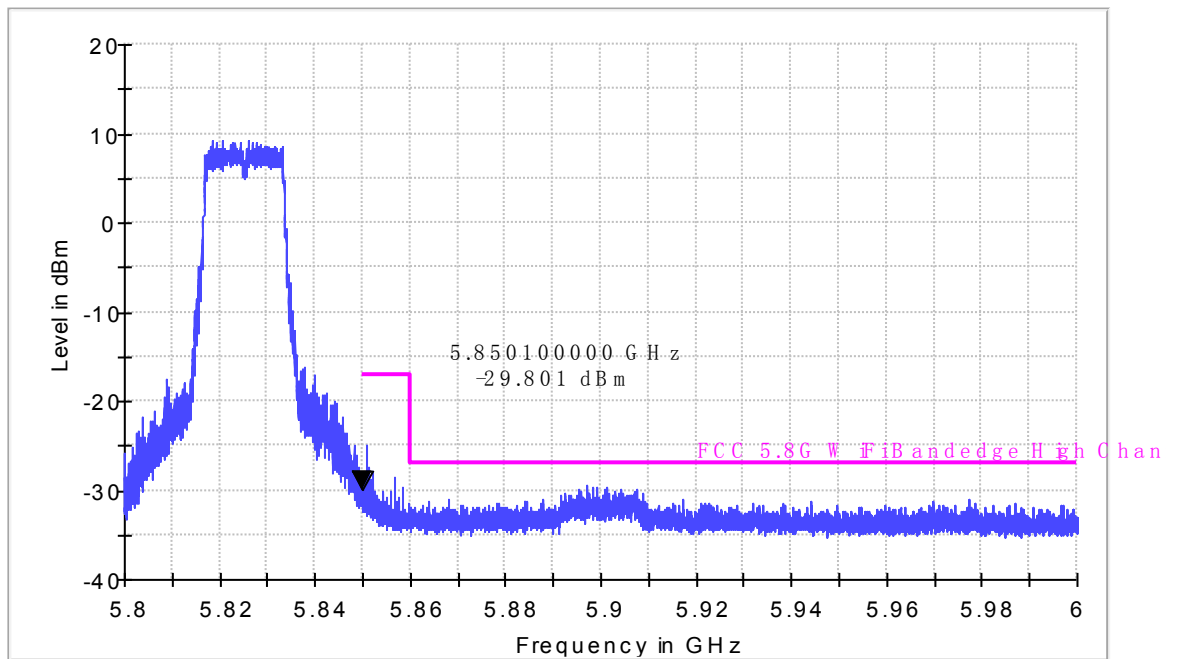
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

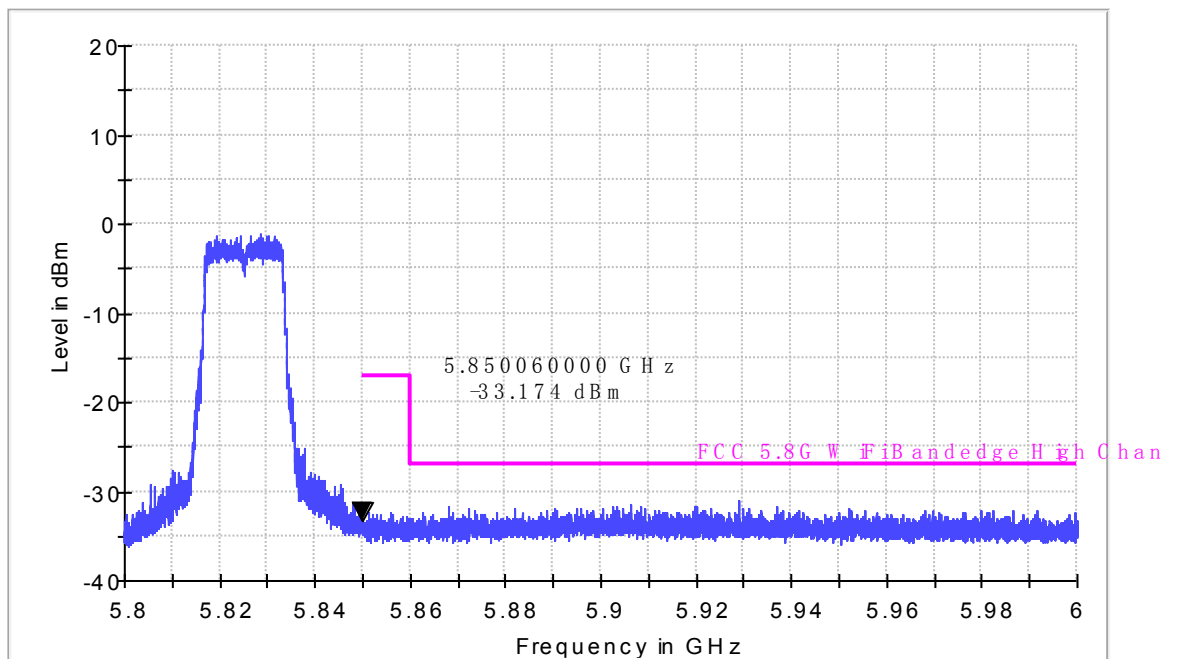
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11a CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT20 IN THE 5.8GHz BAND

CH149

Radiated Emission

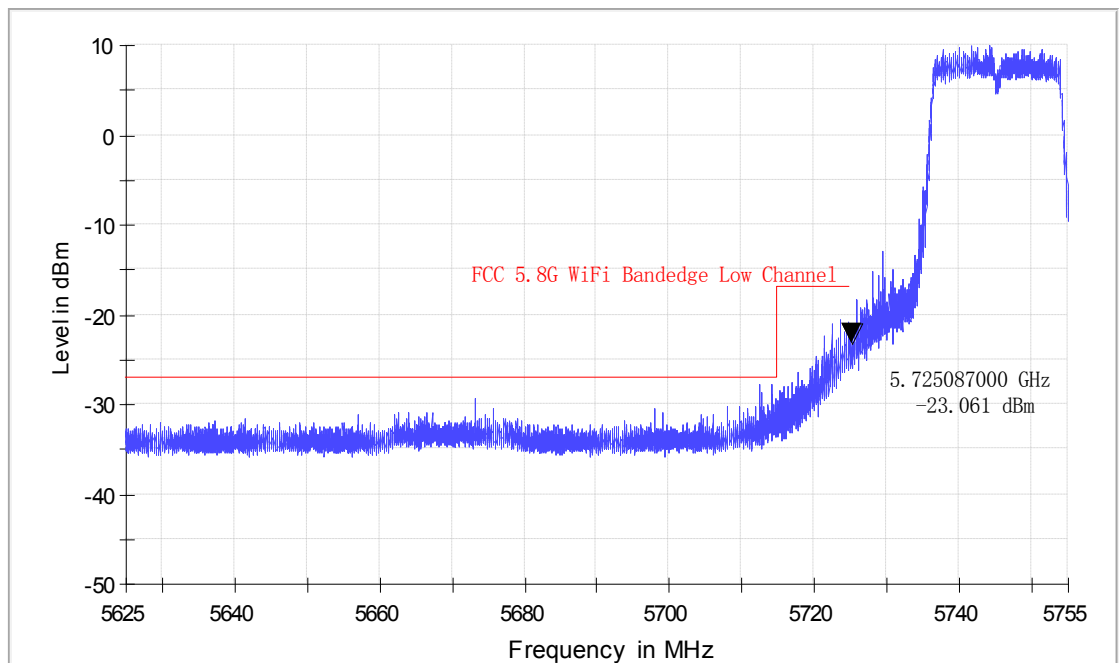
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

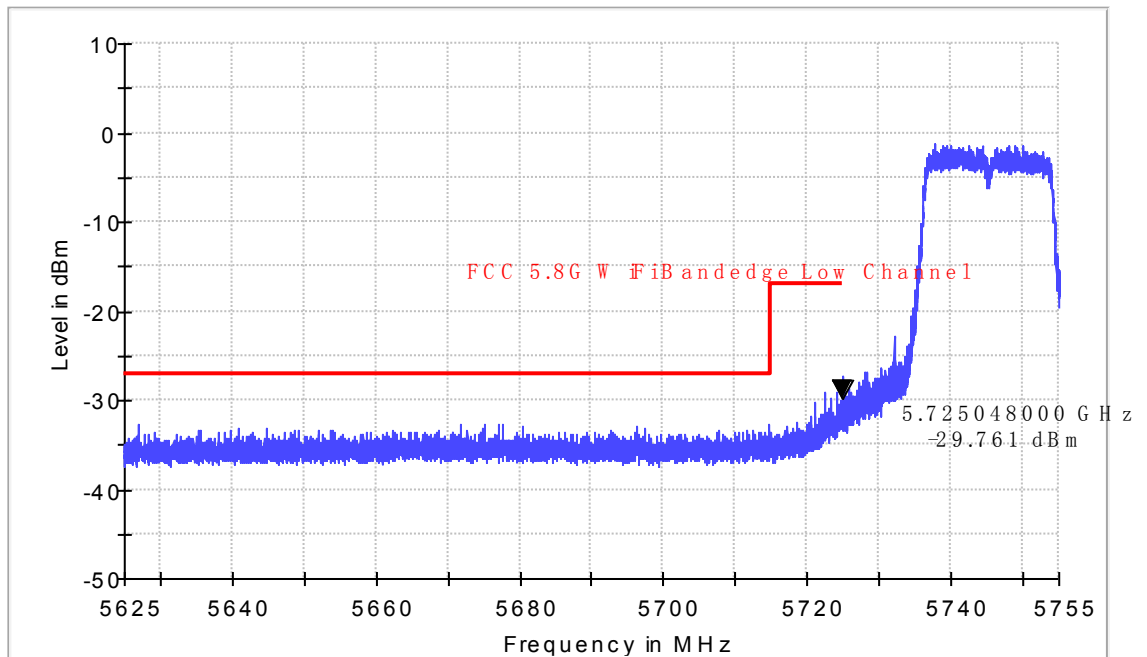
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT20 CH149
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT20 IN THE 5.8GHz BAND

CH165

Radiated Emission

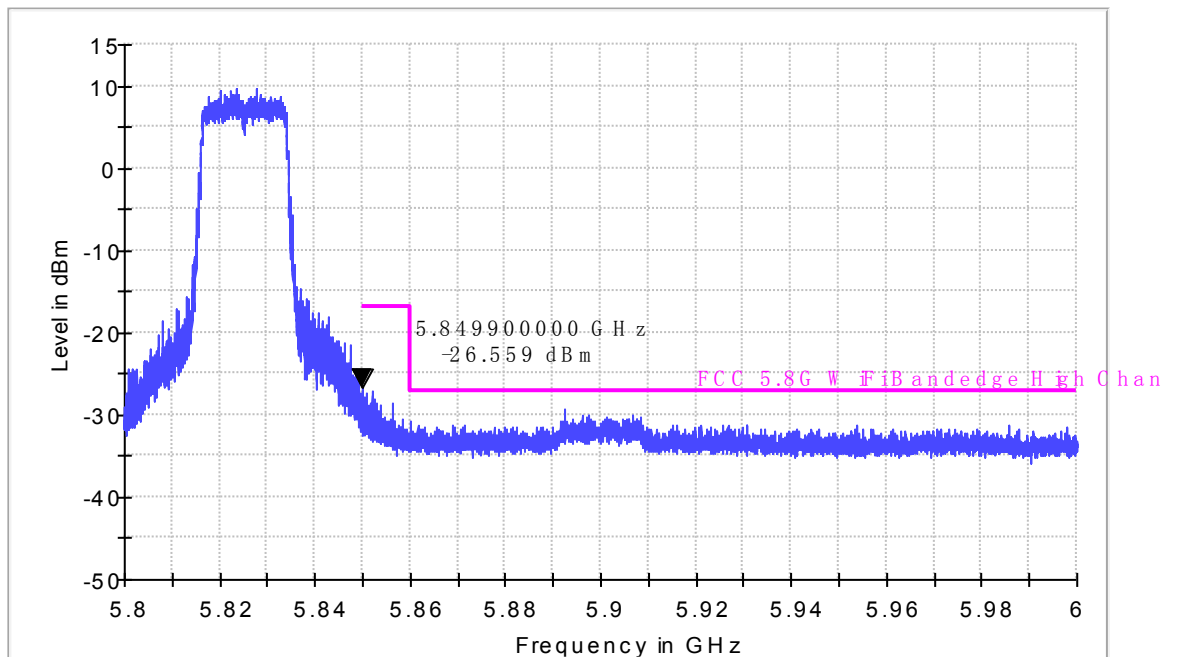
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n20 CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

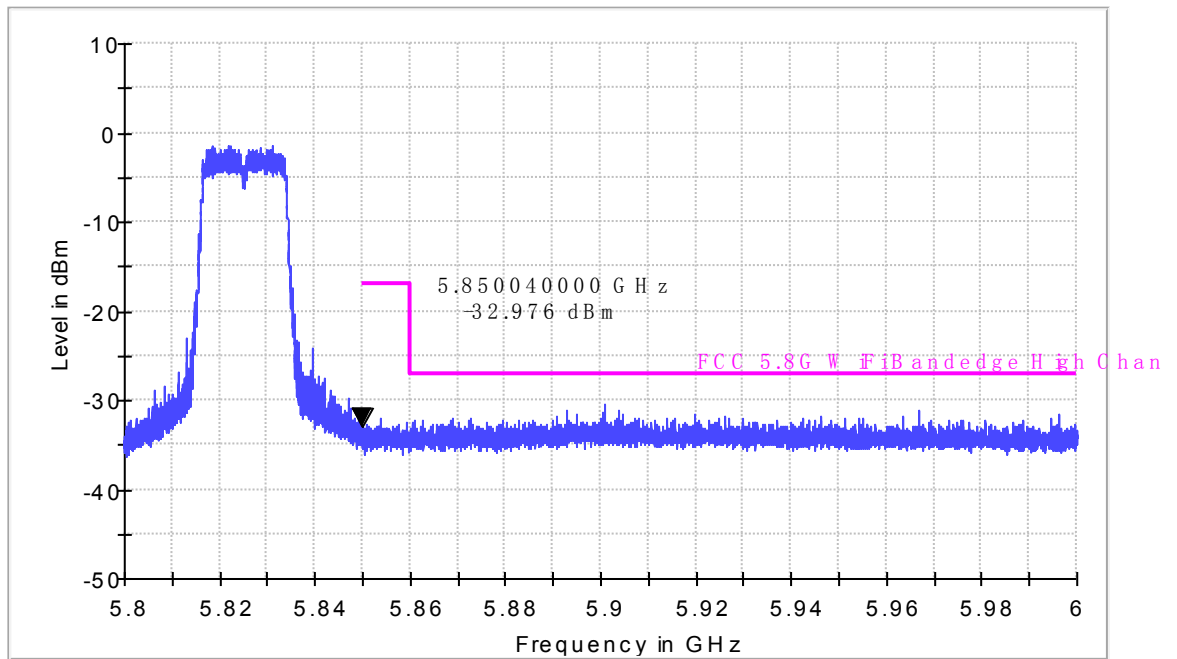
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n20 CH165
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT40 IN THE 5.8GHz BAND

CH151

Radiated Emission

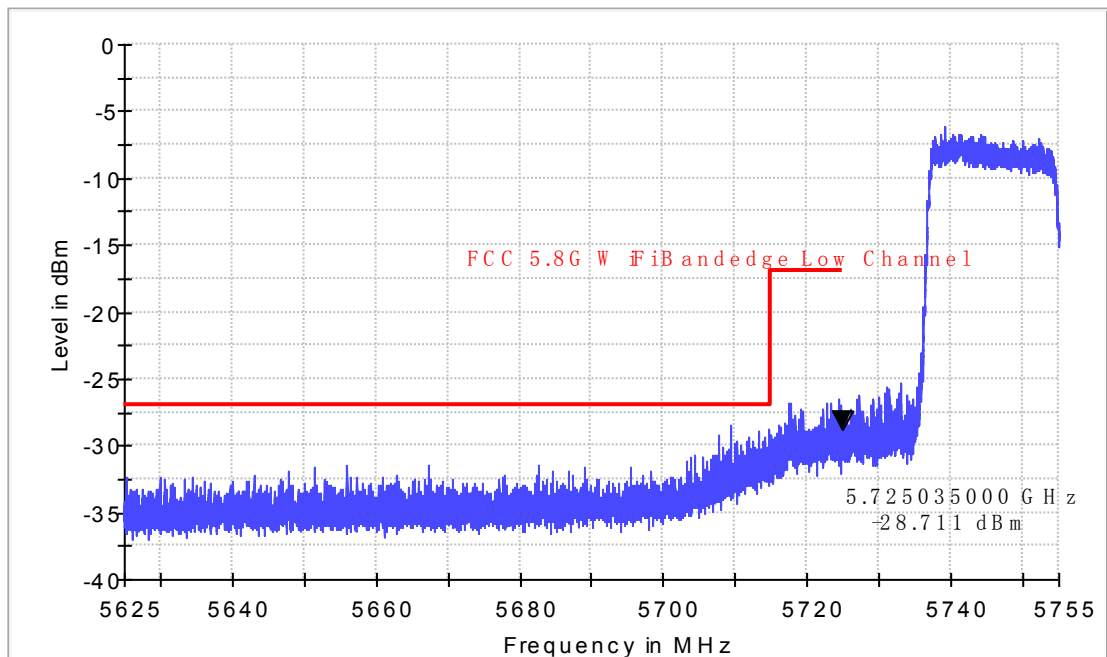
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH151
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

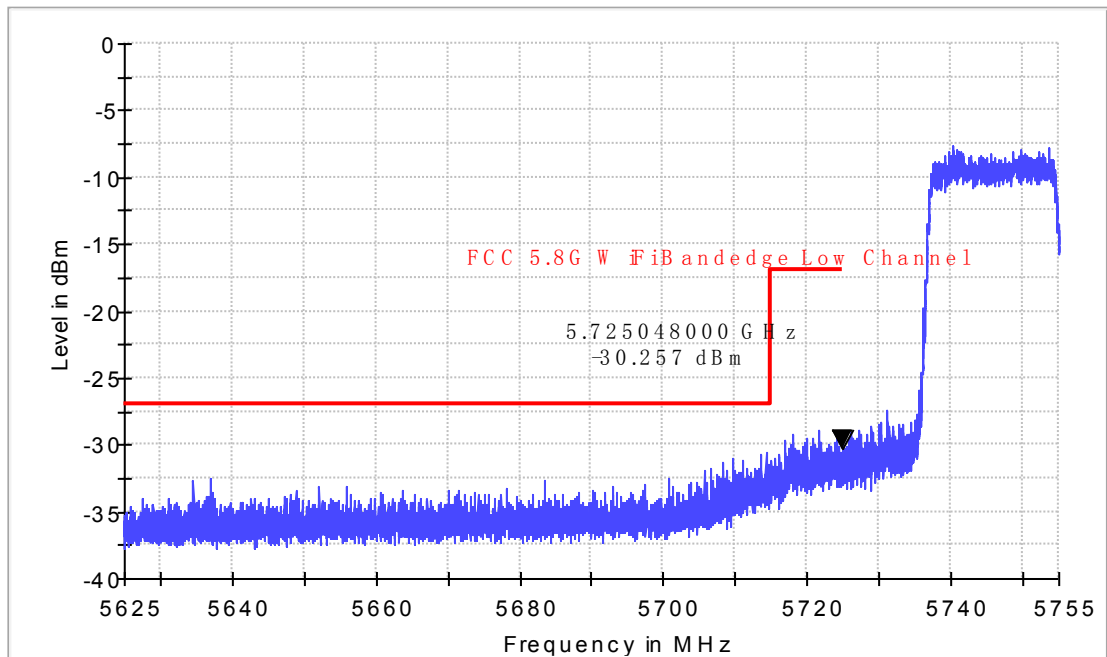
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n HT40 CH151
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT40 IN THE 5.8GHz BAND

CH159

Radiated Emission

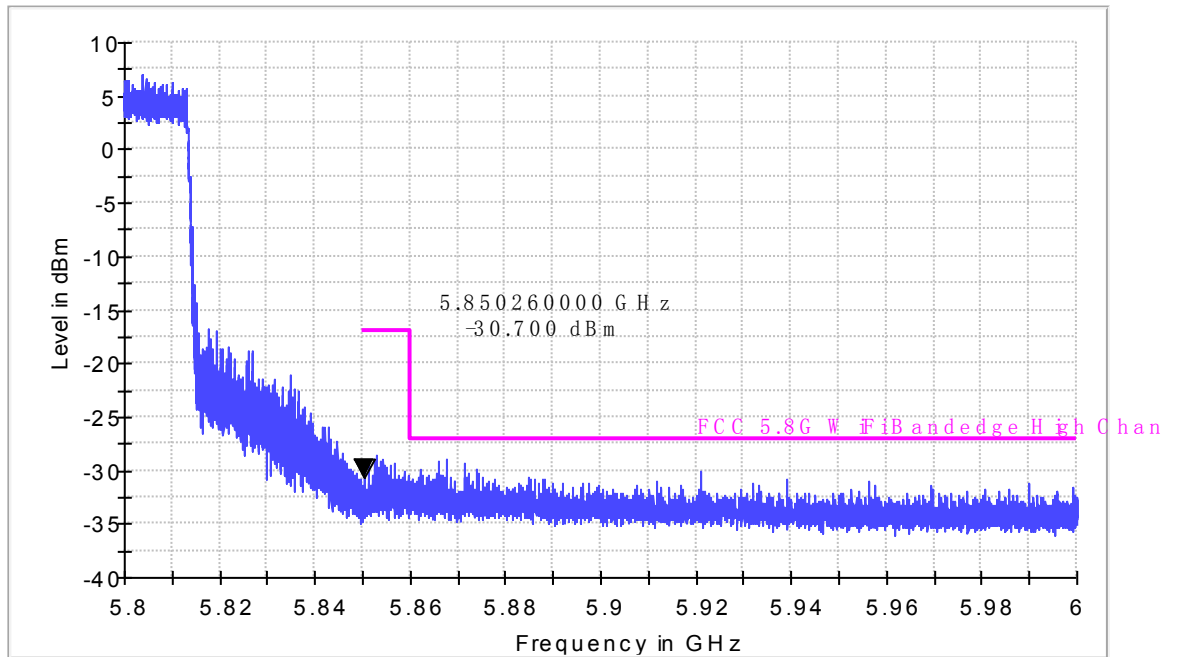
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n40 CH159
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

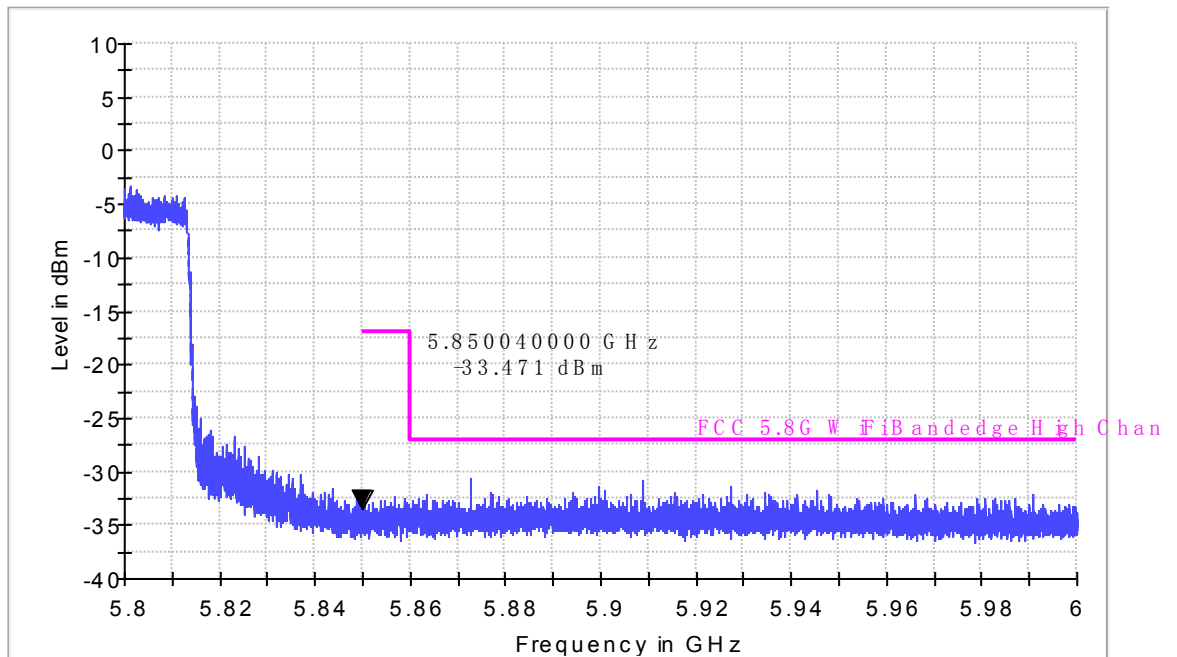
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11n40 CH159
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11ac VH80 IN THE 5.8GHz BAND

CH155

Radiated Emission

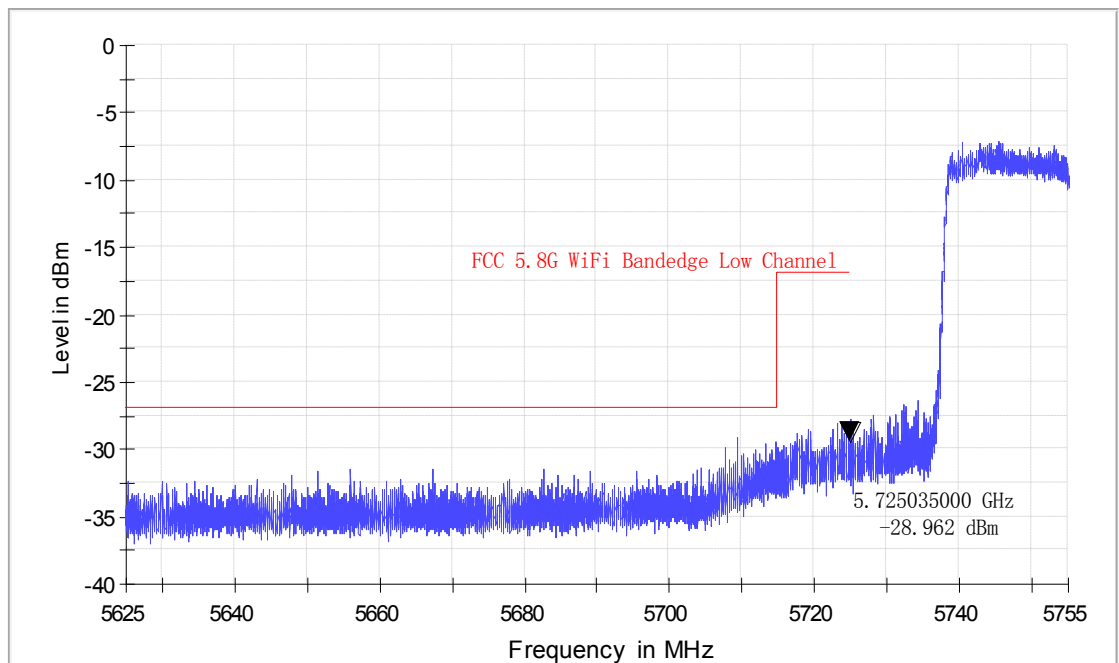
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH155
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

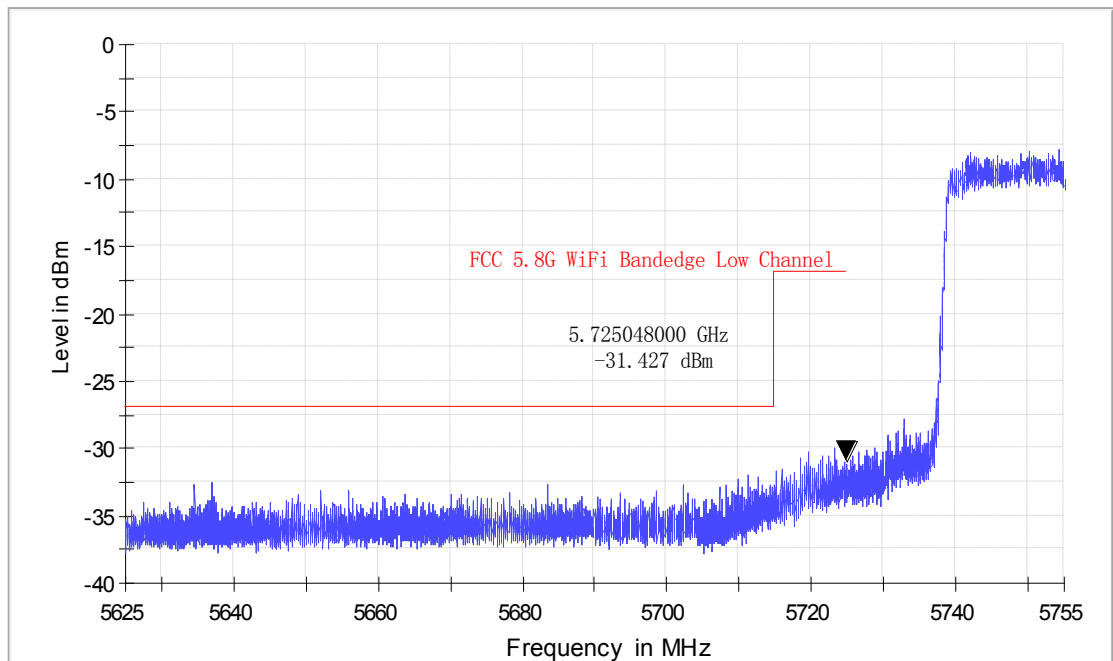
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH155
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11ac VH80 IN THE 5.8GHz BAND

CH155

Radiated Emission

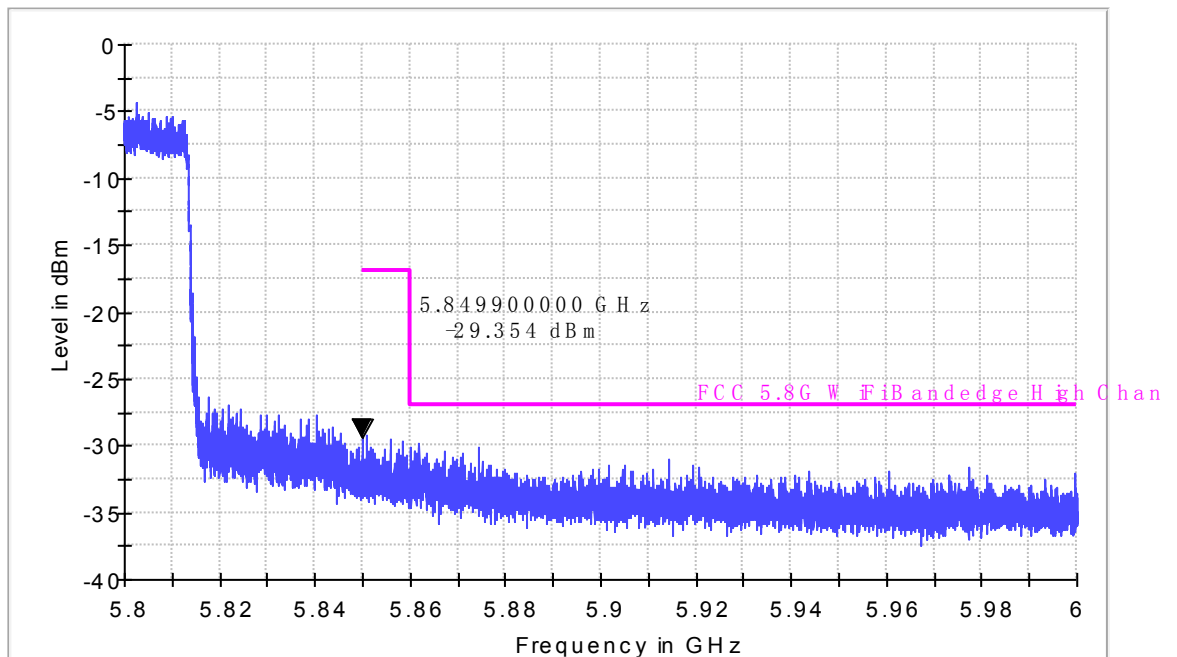
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH155
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

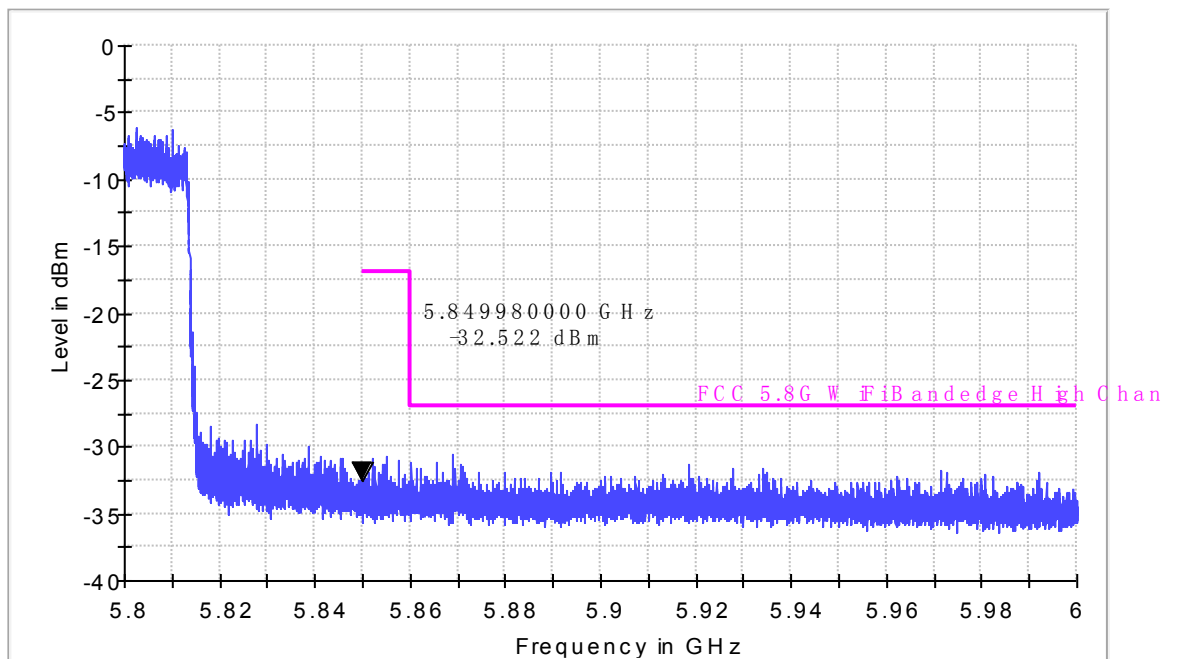
EUT Information

EUT Model Name: PRM-X6PRO-01
Operation mode: 11ac VH80 CH155
Test Voltage:
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment
Antenna Polarization: Vertical
Operator Name:
Comment:

FCC WiFi 5.8GHz Bandedge-PK



12. CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT

12.1. Test Standard and Limit

12.1.1. Test Standard

FCC Part 15 15.207
RSS-Gen Section 8.8

12.1.2. Test Limit

Table 45 Conducted Disturbance Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

* Decreasing linearly with logarithm of the frequency

* The lower limit shall apply at the transition frequency.

12.2. Test Procedure

The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI test receiver (R&S Test Receiver ESCS30) is used to test the emissions from both sides of AC line. According to the requirements of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

The bandwidth of EMI test receiver is set at 9kHz.

12.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

12.4. Test Data

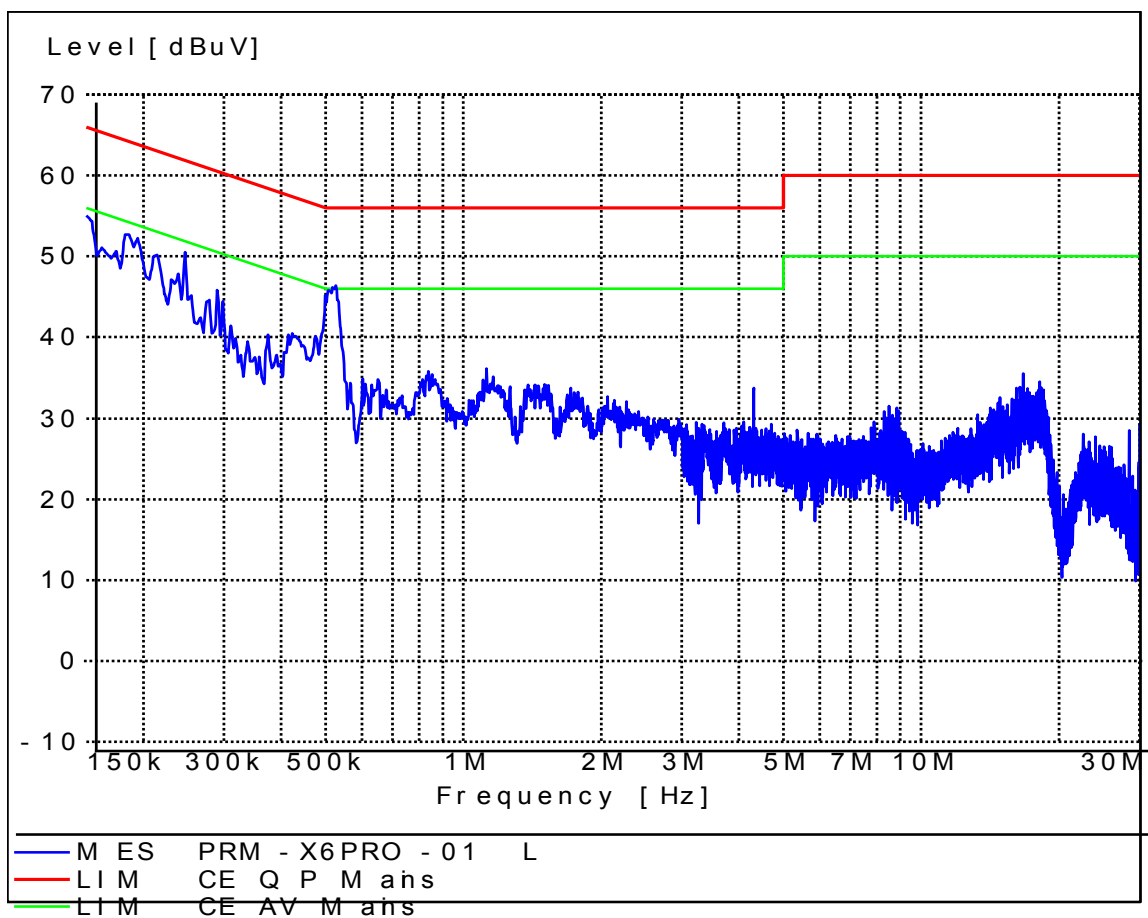
The emissions don't show in below are too low against the limits. Refer to the test curves.

Table 46 Conducted Disturbance Test Data

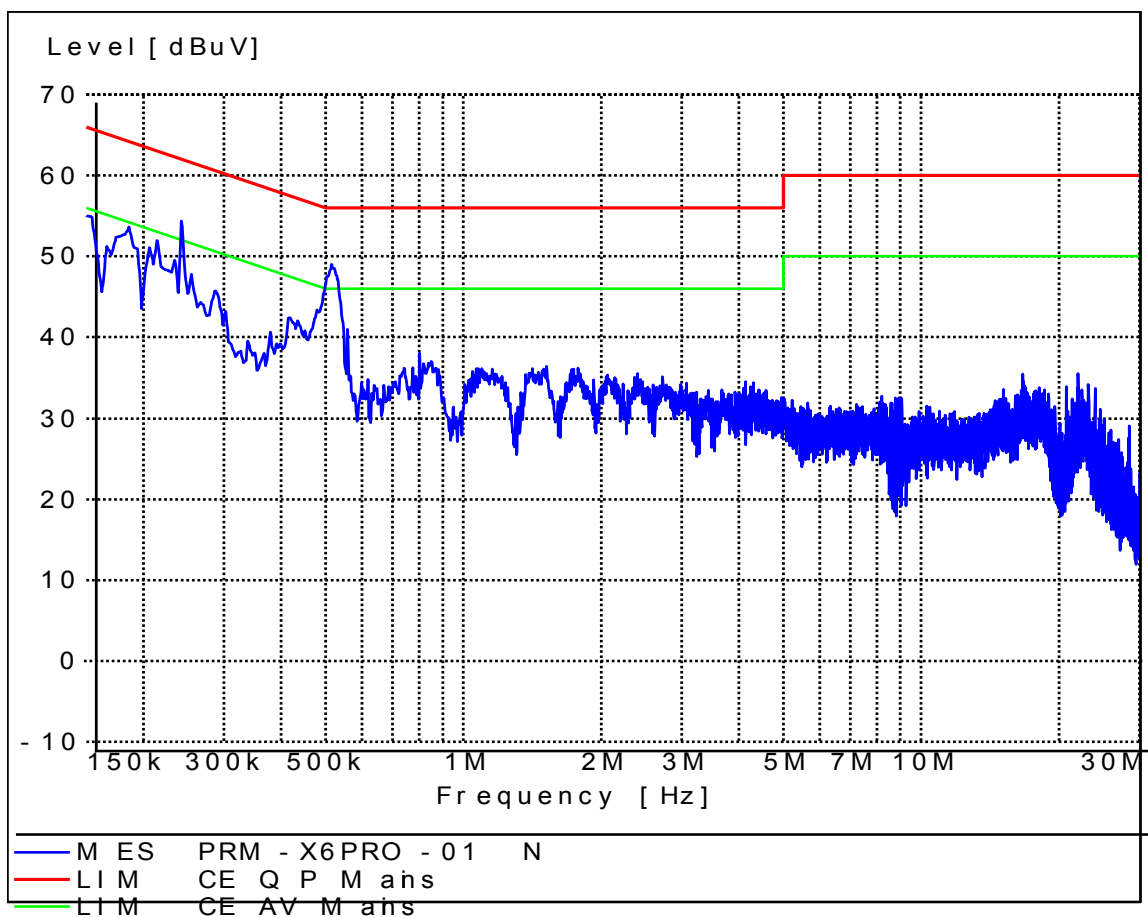
Model No.: PRM-X6PRO-01								
Test mode: Transmitting								
	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)
Line	0.15	9.7	42.3	49.5	66	28.8	38.5	56
	0.186	9.7	39.8	45.3	64.2	25.9	35.6	54.2
	0.214	9.7	35.6	42.4	63.0	23.6	33.3	53.0
	0.246	9.7	32.7	37.1	61.9	20.8	30.5	51.9
	0.29	9.7	27.4	42.5	60.5	14.2	23.9	50.5
	0.526	9.8	32.7	49.5	56	27.3	37.1	46
Neutral	0.15	9.7	43.8	53.5	66	34.2	43.9	56
	0.186	9.7	40.7	50.4	64.2	30.4	40.1	54.2
	0.214	9.7	37.0	46.7	63.0	28.7	38.4	53.0
	0.242	9.7	35.6	45.3	62.0	22.7	32.4	52.0
	0.414	9.7	28.7	38.4	57.6	21.5	31.2	47.6
	0.514	9.8	36.0	45.8	56	30.7	40.5	46

REMARKS: 1. Emission level(dBuV)=Read Value(dBuV) + Correction Factor(dB)
 2. Correction Factor(dB) =LISN Factor (dB) + Cable Factor (dB)+Limiter Factor(dB)
 3. The other emission levels were very low against the limit.

EUT: PRM-X6PRO-01
 Manufacturer:
 Operating Condition: Transmitting
 Test Site:
 Operator:
 Test Specification: L
 Comment: AC 120V/60Hz



EUT: PRM-X6PRO-01
 Manufacturer:
 Operating Condition: Transmitting
 Test Site:
 Operator:
 Test Specification: N
 Comment: AC 120V/60Hz



13. FREQUENCY STABILITY

13.1. LIMITS OF Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

13.2. TEST PROCEDURE

The EUT was placed inside of an environmental chamber as the temperature in chamber was varied between -30°C and $+50^{\circ}\text{C}$. The temperature was incremented by 10° intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded. Data for the worst case channel is shown below.

13.3. TEST DATA

Measurement Results vs. Variation of Temperature—UNII Band1(CH 36)

Voltage	Temperature	Frequency (Hz)	Measured Frequency Error(Hz)
DC 5V	-30°C	5,180,000,071	71
	-20°C	5,179,999,834	-166
	-10°C	5,180,000,245	245
	0°C	5,180,000,379	379
	$+10^{\circ}\text{C}$	5,180,000,043	43
	$+20^{\circ}\text{C}$	5,179,999,737	-263
	$+30^{\circ}\text{C}$	5,180,000,127	127
	$+40^{\circ}\text{C}$	5,179,999,967	-33
	$+50^{\circ}\text{C}$	5,179,999,839	-161
DC 4.8V	$+20^{\circ}\text{C}$	5,180,000,309	309
DC 5.3V	$+20^{\circ}\text{C}$	5,179,999,907	-93

Measurement Results vs. Variation of Temperature—UNII Band3 (CH149)

Voltage	Temperature	Frequency (MHz)	Measured Frequency Error(Hz)
DC 5V	-30 °C	5,745,000,124	124
	-20 °C	5,745,000,082	82
	-10 °C	5,745,000,107	107
	0 °C	5,744,999,803	-197
	+10 °C	5,745,000,318	318
	+20 °C	5,744,999,961	-39
	+30 °C	5,745,000,221	221
	+40 °C	5,744,999,926	-74
	+50 °C	5,744,999,708	-292
DC 4.8V	+20 °C	5,744,999,957	-43
DC 5.3V	+20 °C	5,745,000,037	37

14. ANTENNA REQUIREMENTS

14.1. Applicable requirements

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

14.2. Antenna Connector

Antenna Connector is on the PCB within enclosure and not accessible to user.

14.3. Antenna Gain

The antenna gain of EUT is less than 6 dBi.