

1-18G

11g

CH6

## Radiated Emission

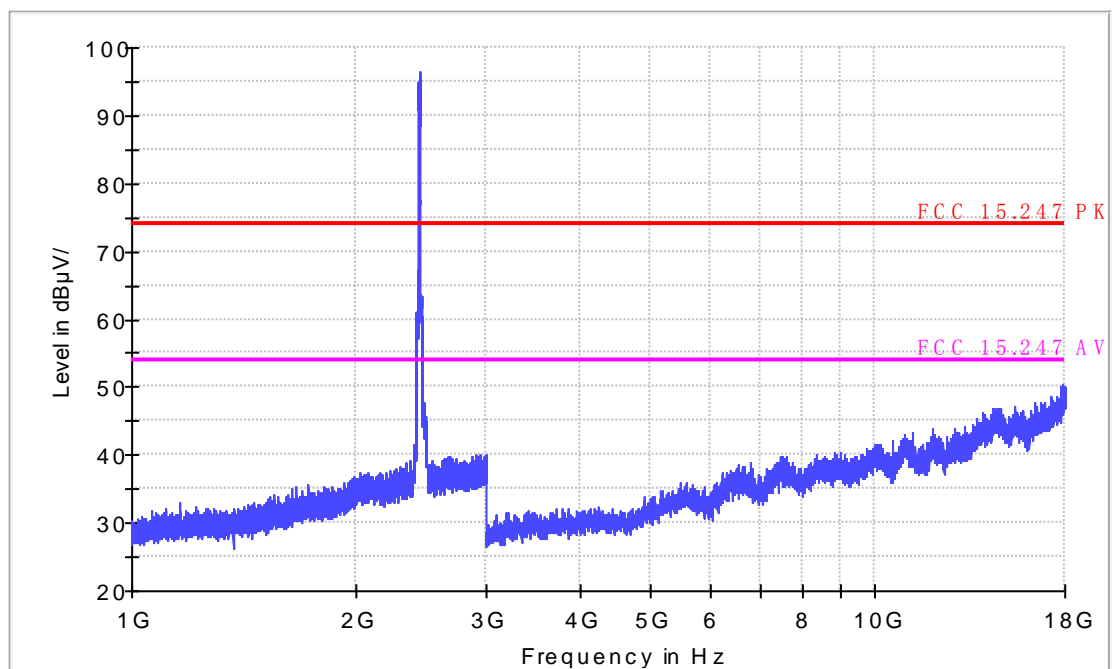
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH6  
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 2.4GHz



# Radiated Emission

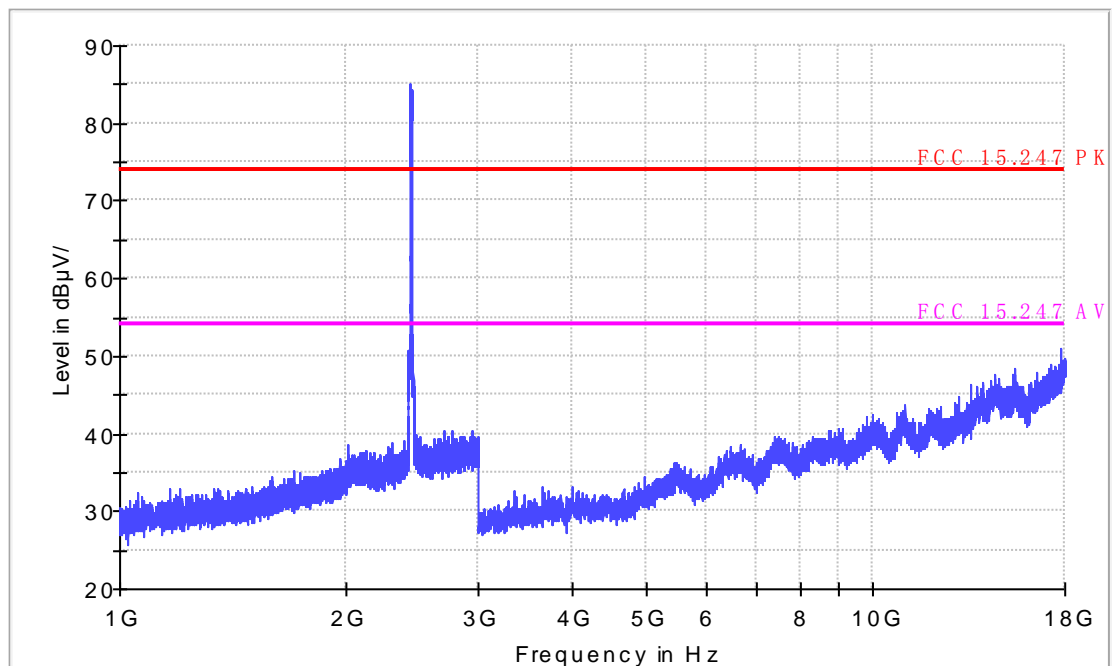
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH6  
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 2.4GHz



1-18G

11g

CH11

## Radiated Emission

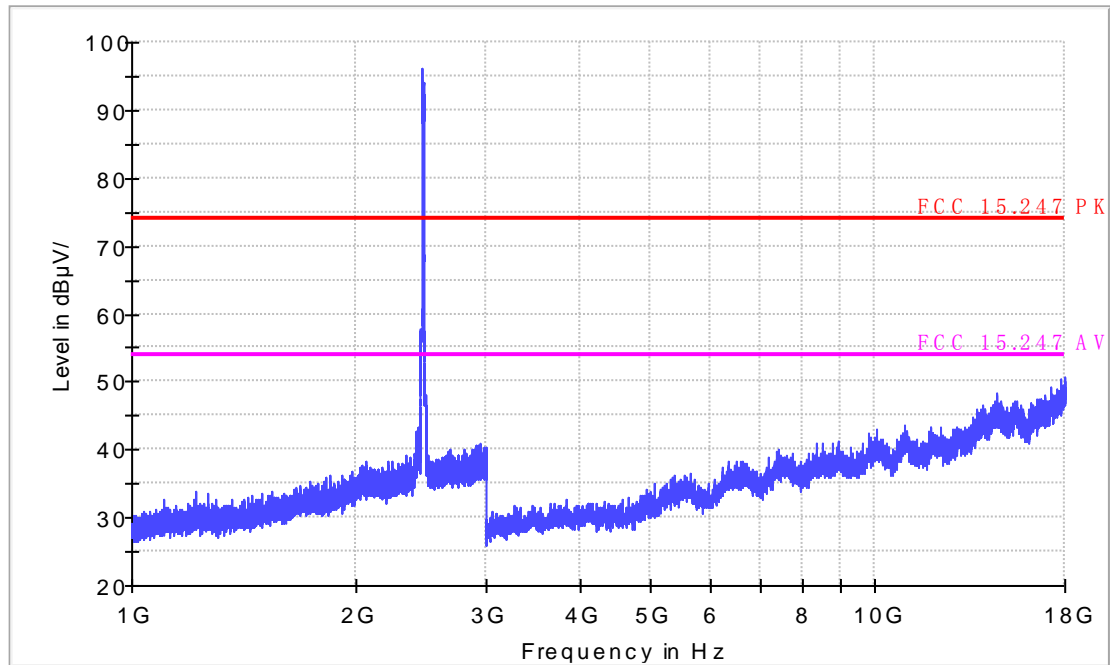
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11a CH11  
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 2.4GHz



# Radiated Emission

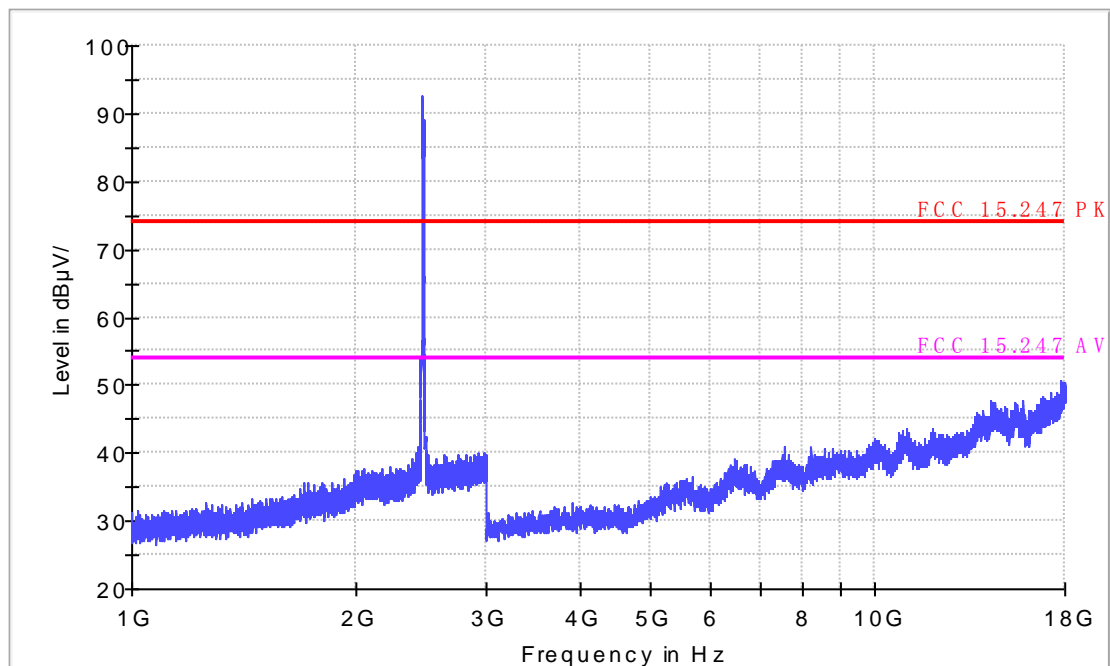
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH11  
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 2.4GHz



1-18G

11n-HT20

CH1

## Radiated Emission

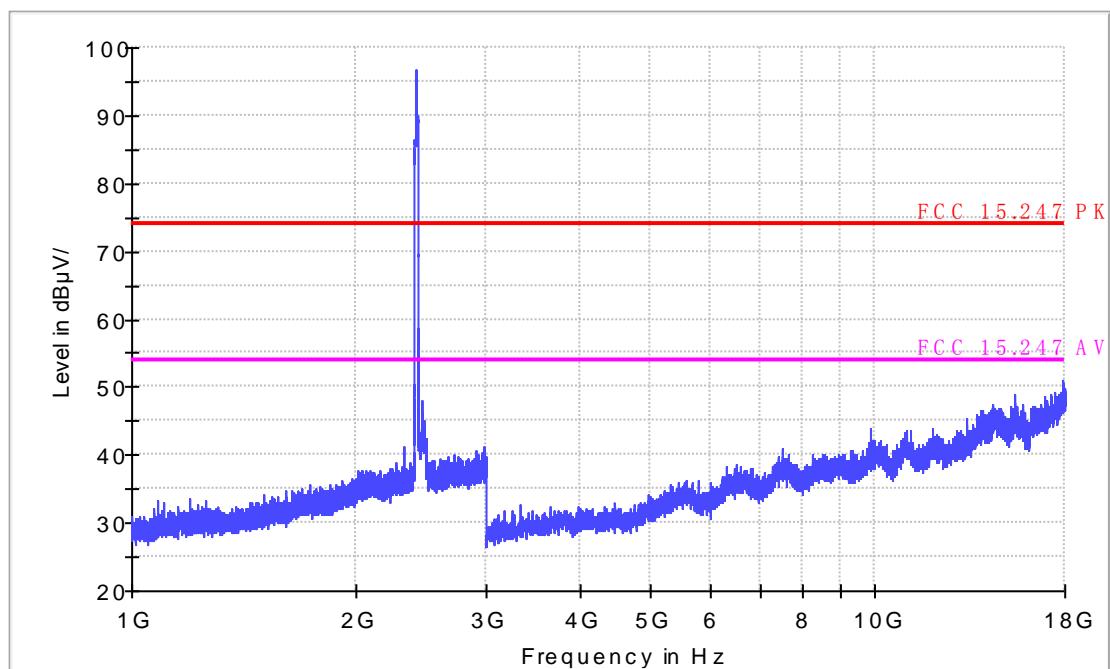
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 CH1  
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 2.4GHz



# Radiated Emission

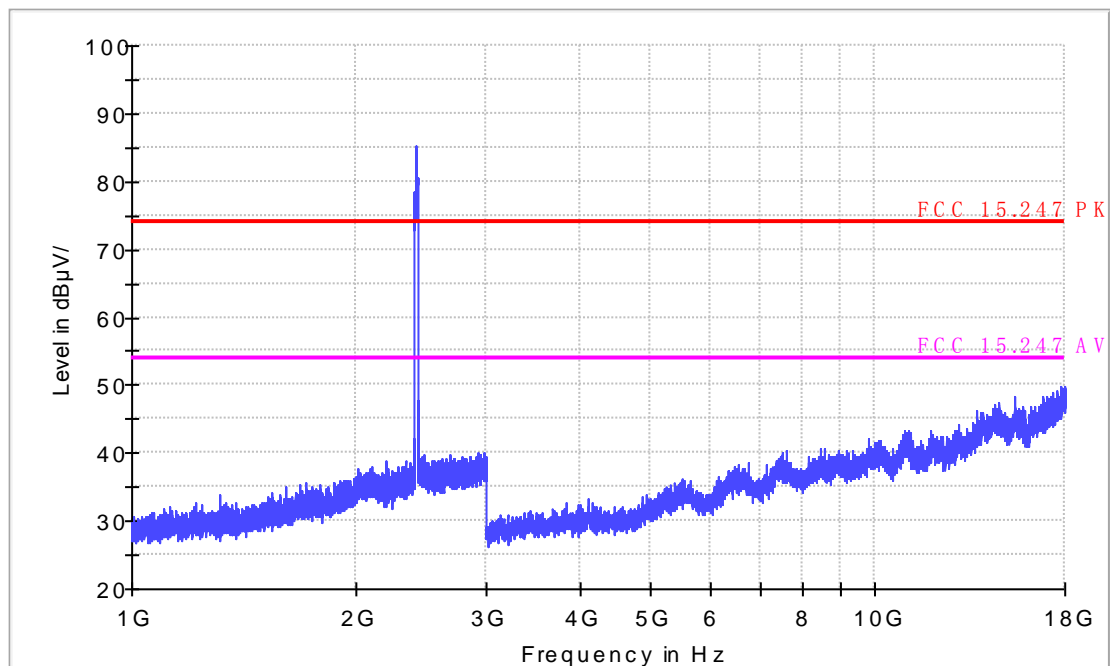
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 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 2.4GHz



1-18G

11n-HT20

CH6

## Radiated Emission

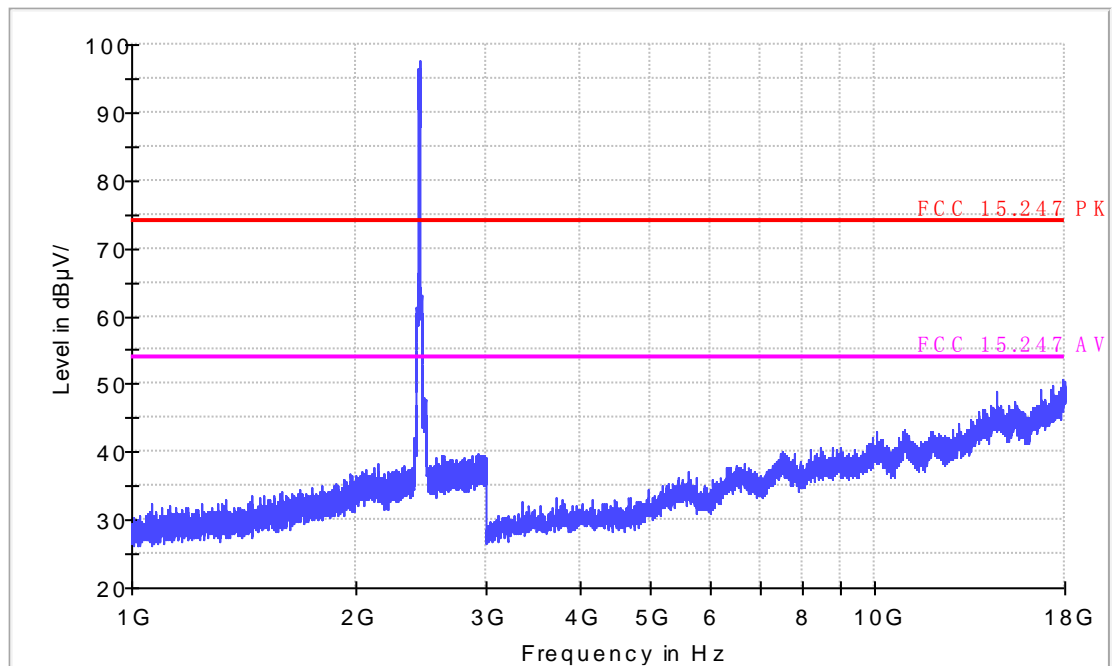
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 CH6  
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 2.4GHz



# Radiated Emission

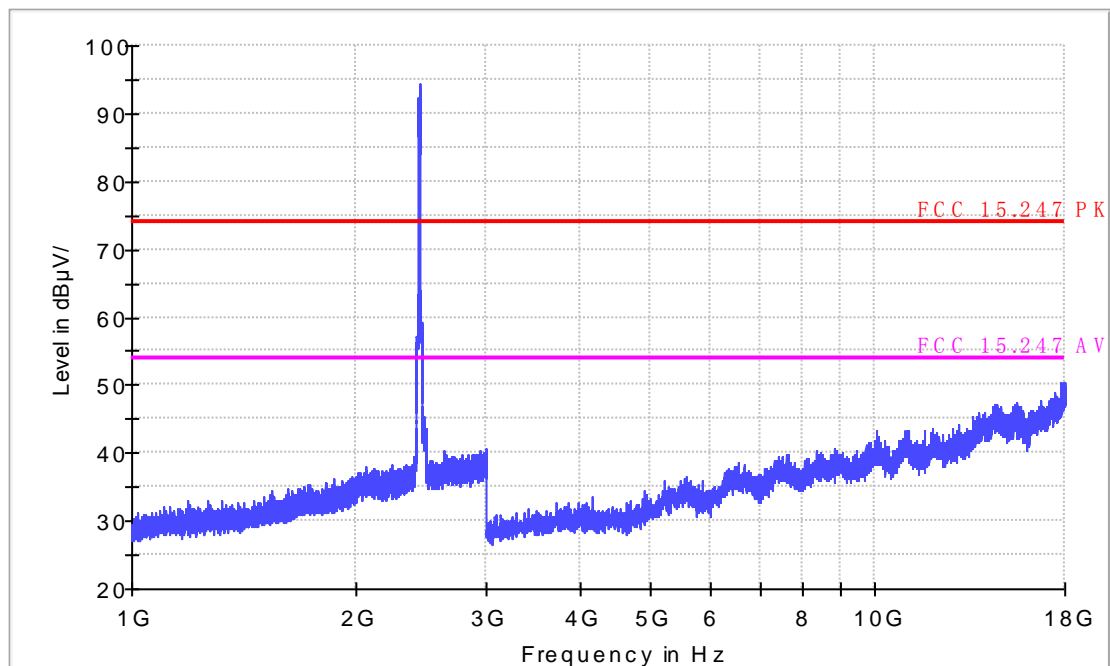
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 CH6  
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 2.4GHz





1-18G

11n-HT20

CH11

## Radiated Emission

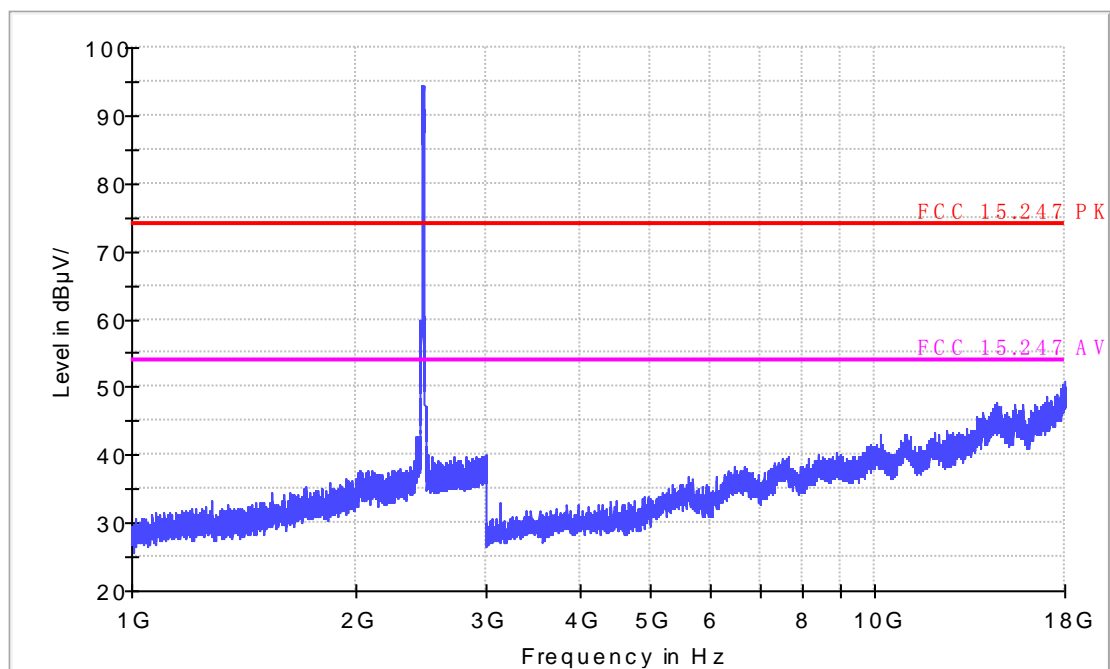
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 CH11  
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 2.4GHz



# Radiated Emission

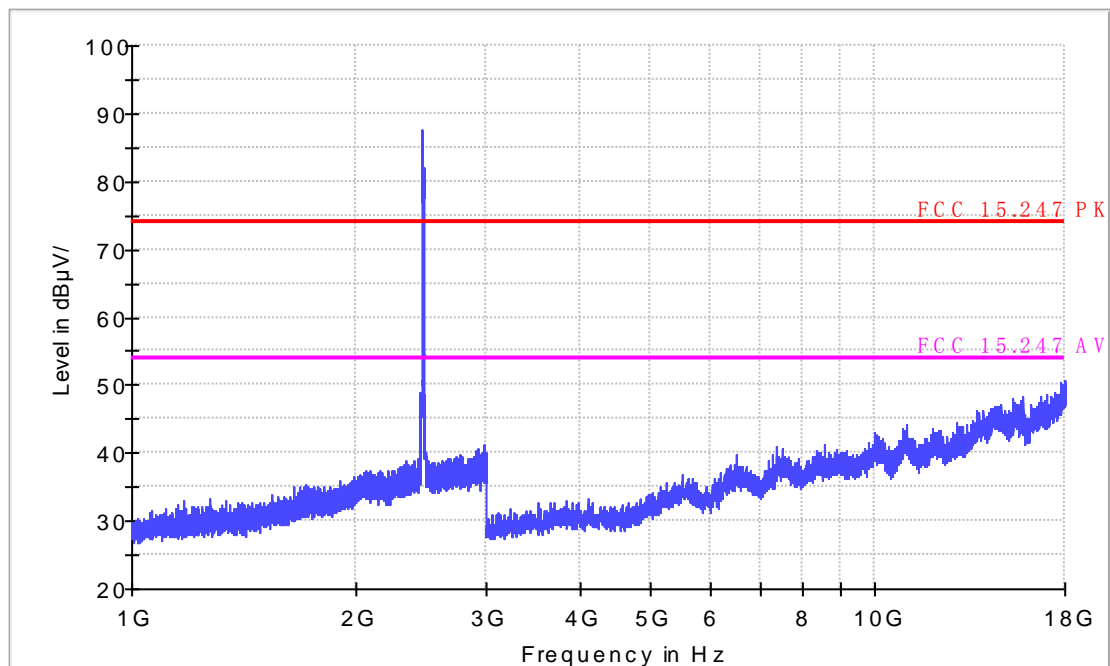
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 CH11  
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 2.4GHz



1-18G

11n-HT40

CH3

## Radiated Emission

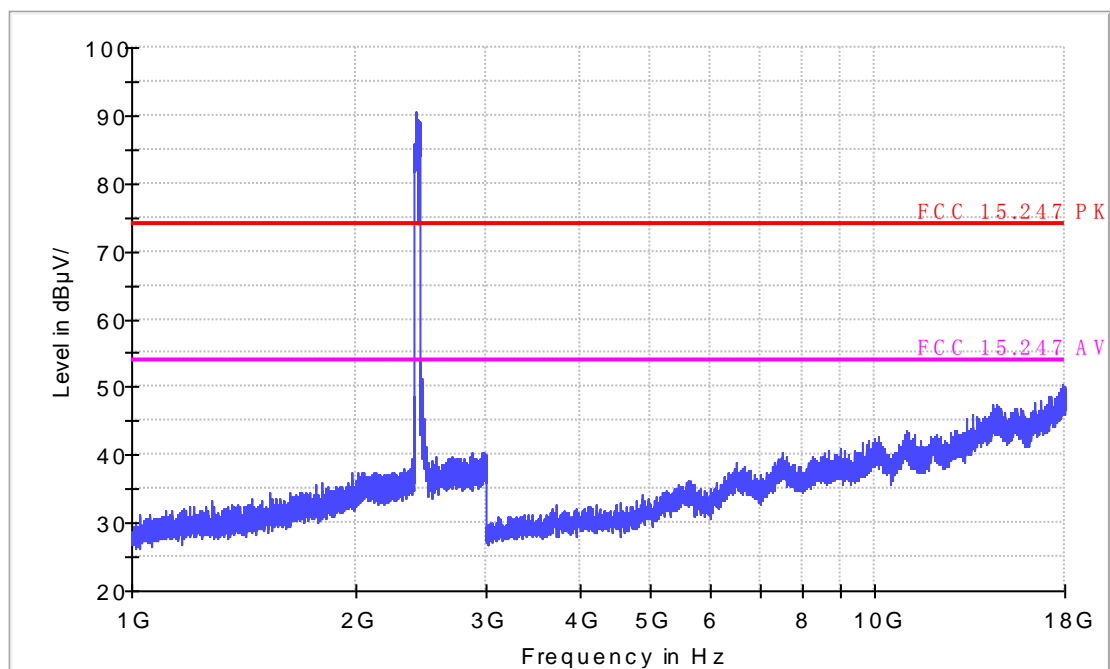
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT40 CH3  
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 2.4GHz



# Radiated Emission

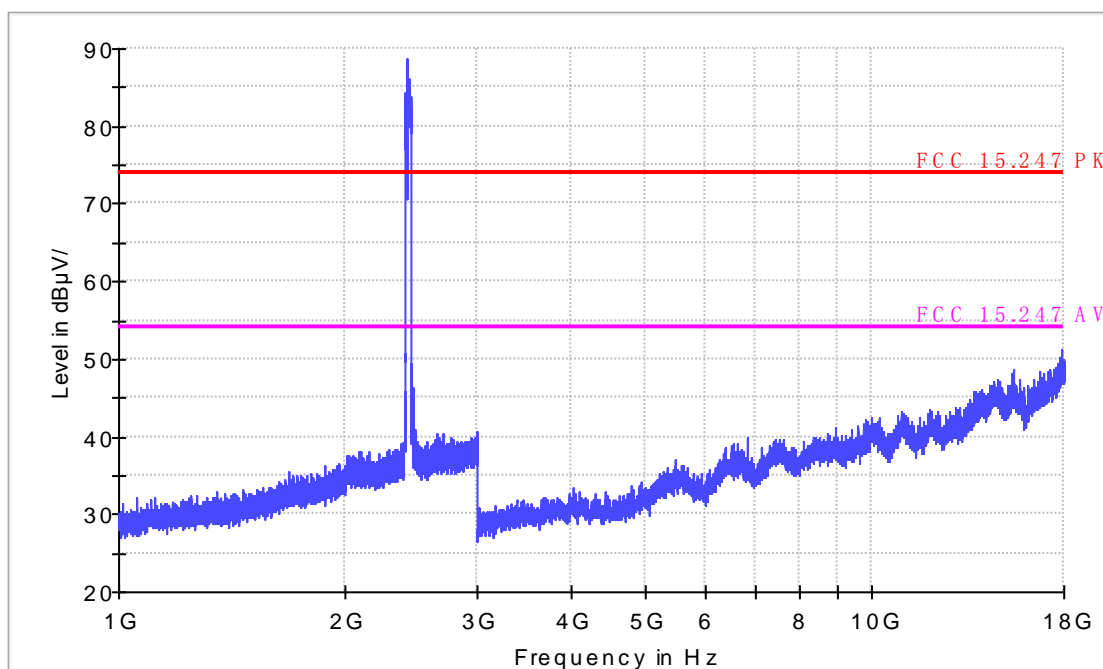
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT20 CH3  
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 2.4GHz



1-18G

11n-HT20

CH6

## Radiated Emission

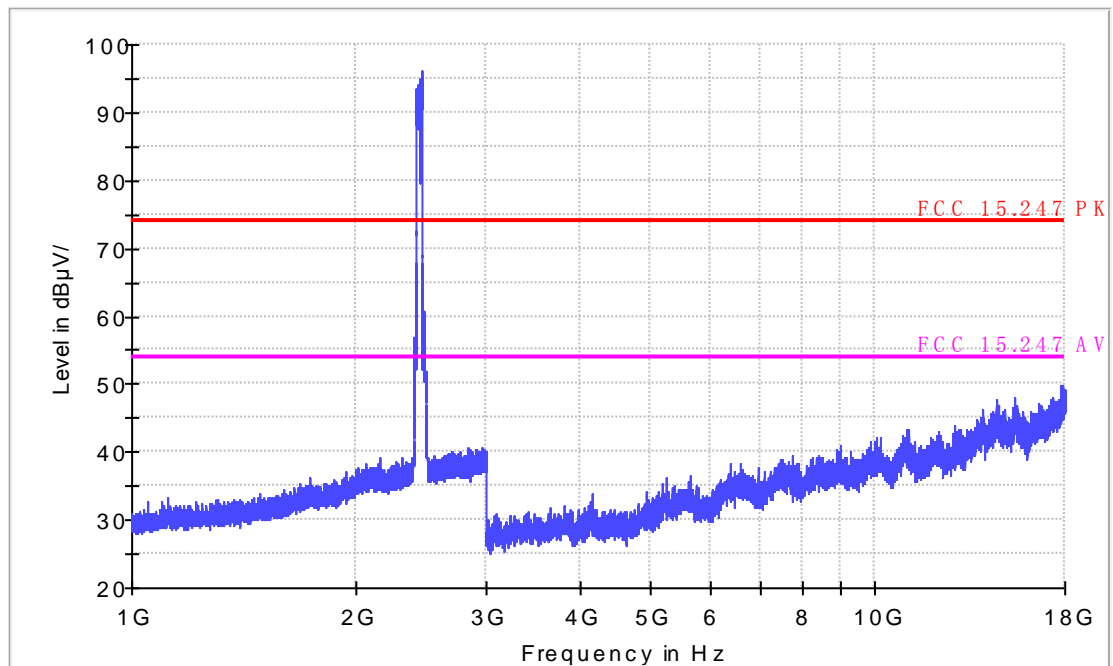
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT40 CH6  
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 2.4GHz



# Radiated Emission

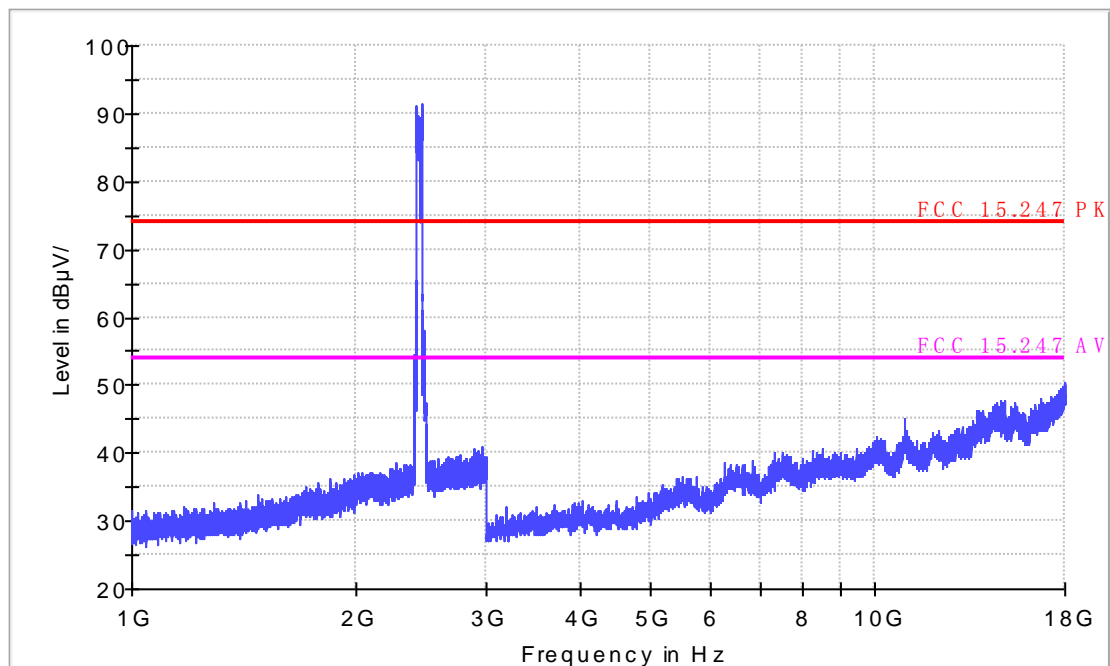
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT40 CH6  
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 2.4GHz



1-18G

11n-HT20

CH11

## Radiated Emission

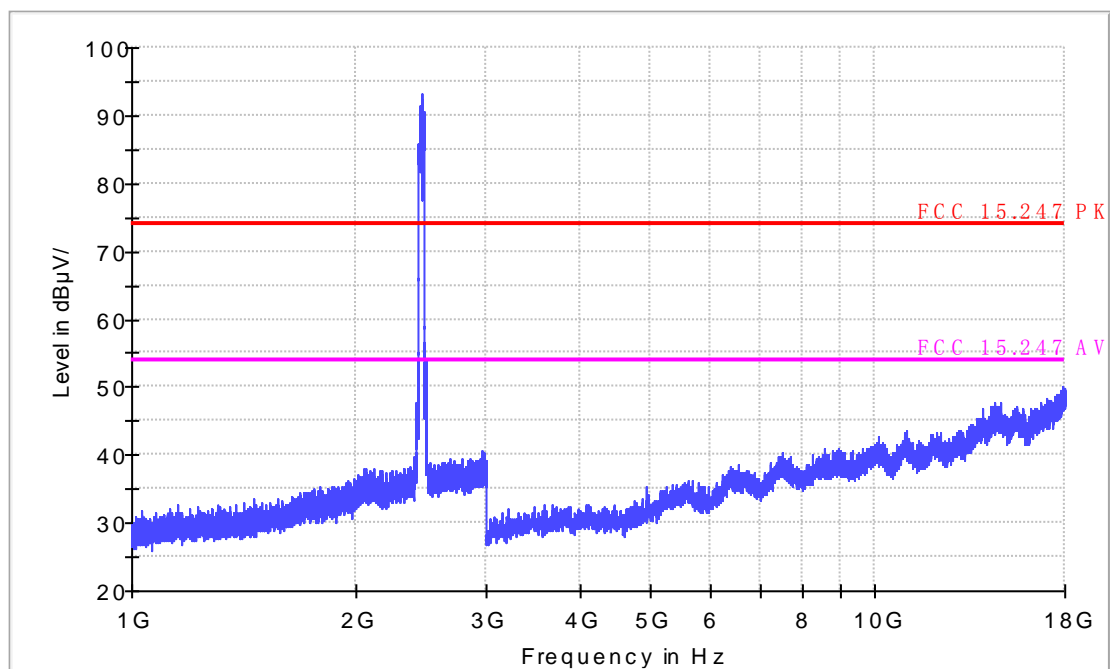
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT40 CH9  
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 2.4GHz



# Radiated Emission

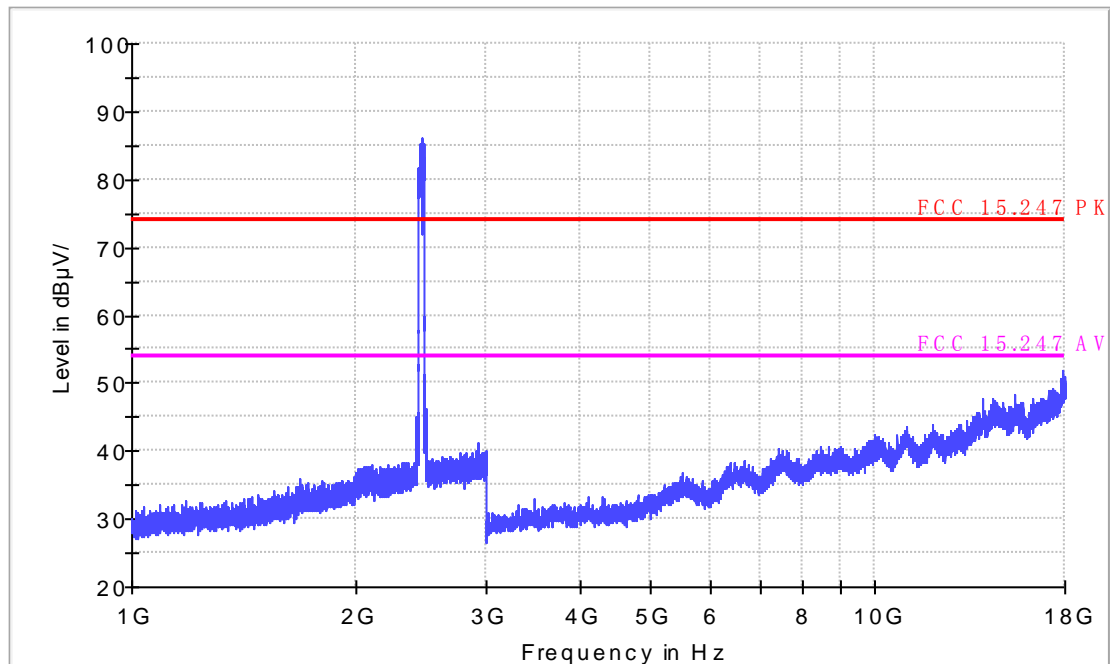
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n HT40 CH9  
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 2.4GHz





# Radiated Emission

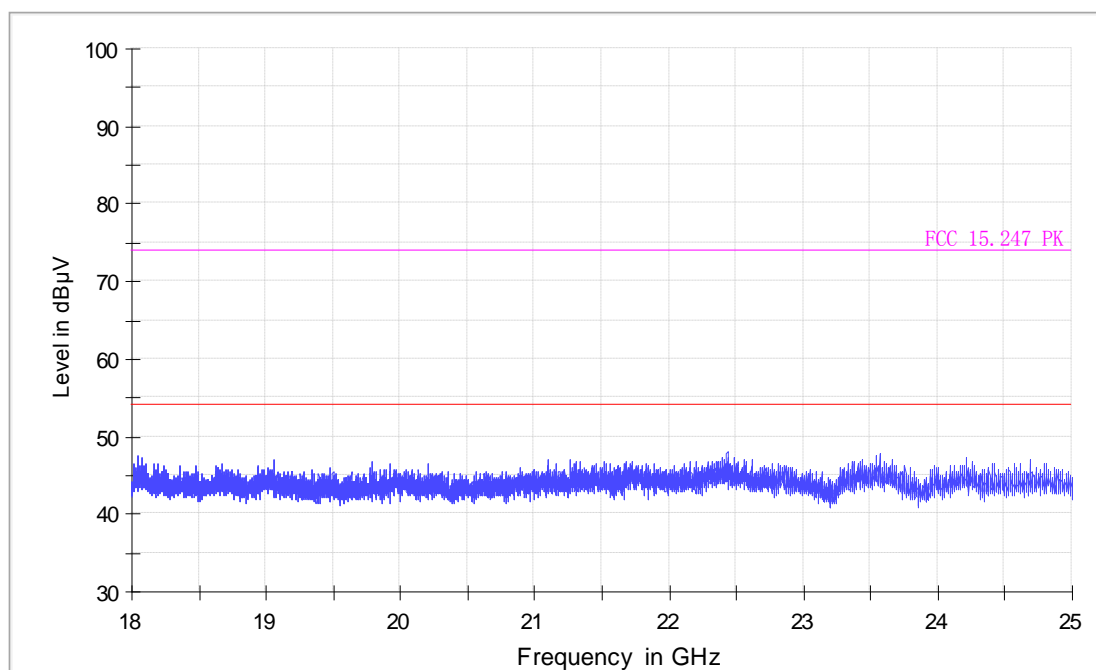
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11b CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

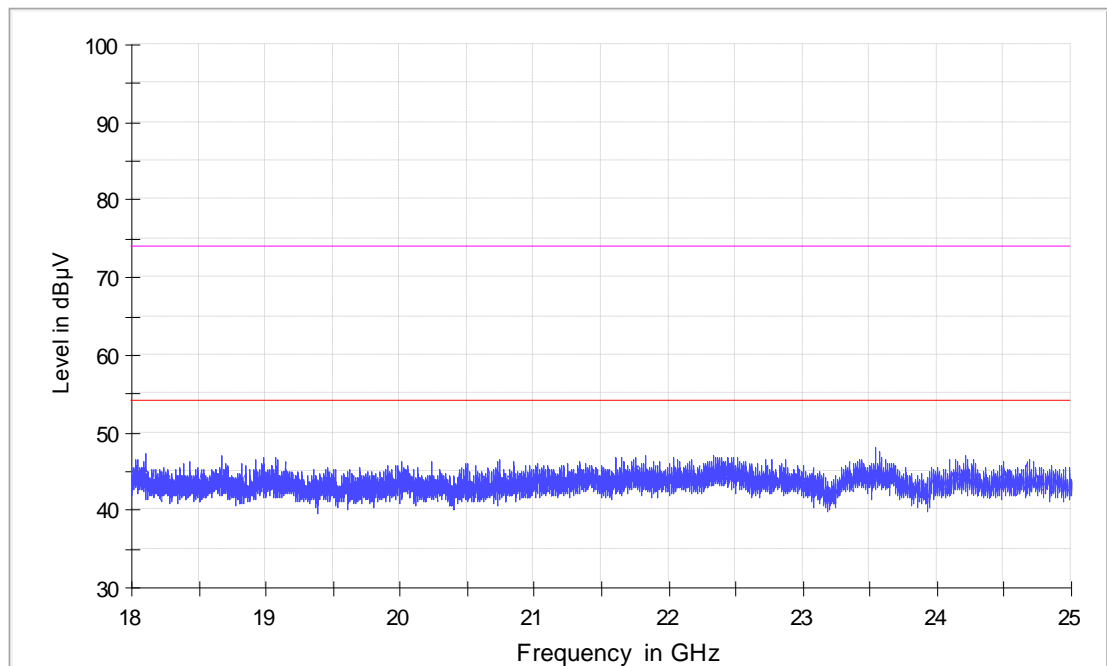
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11b CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

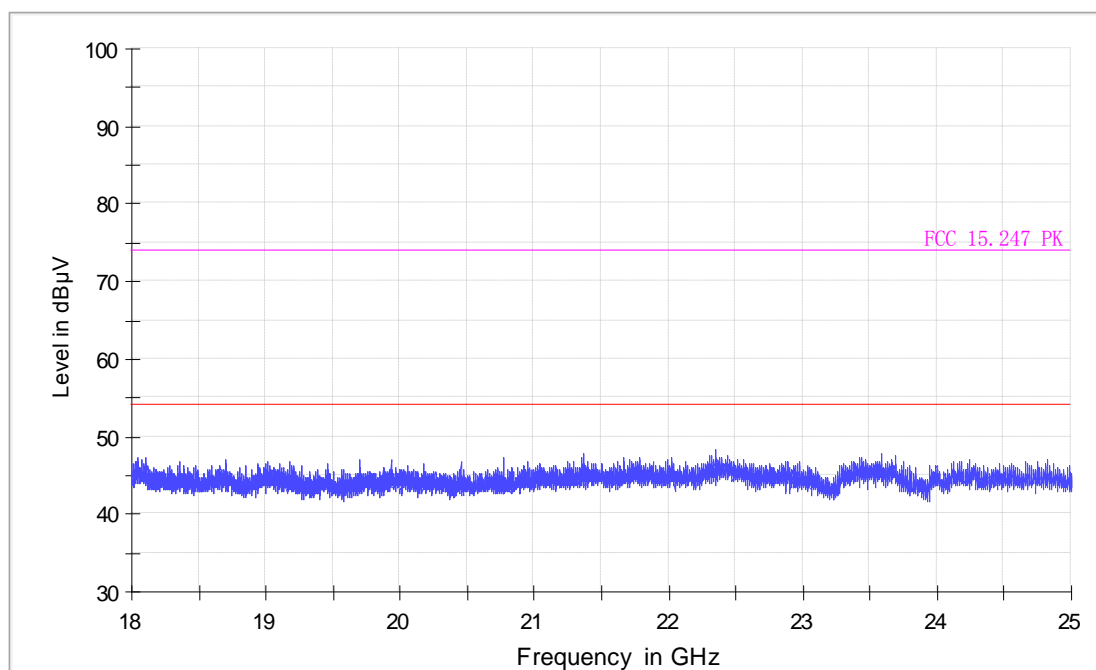
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11b CH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

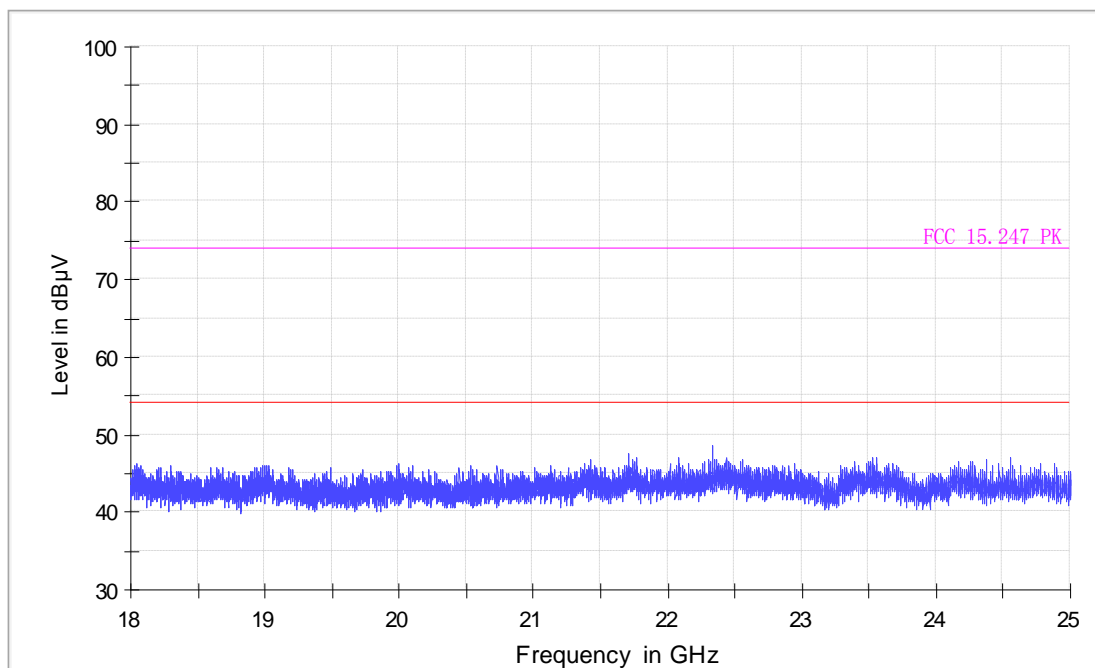
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11b CH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

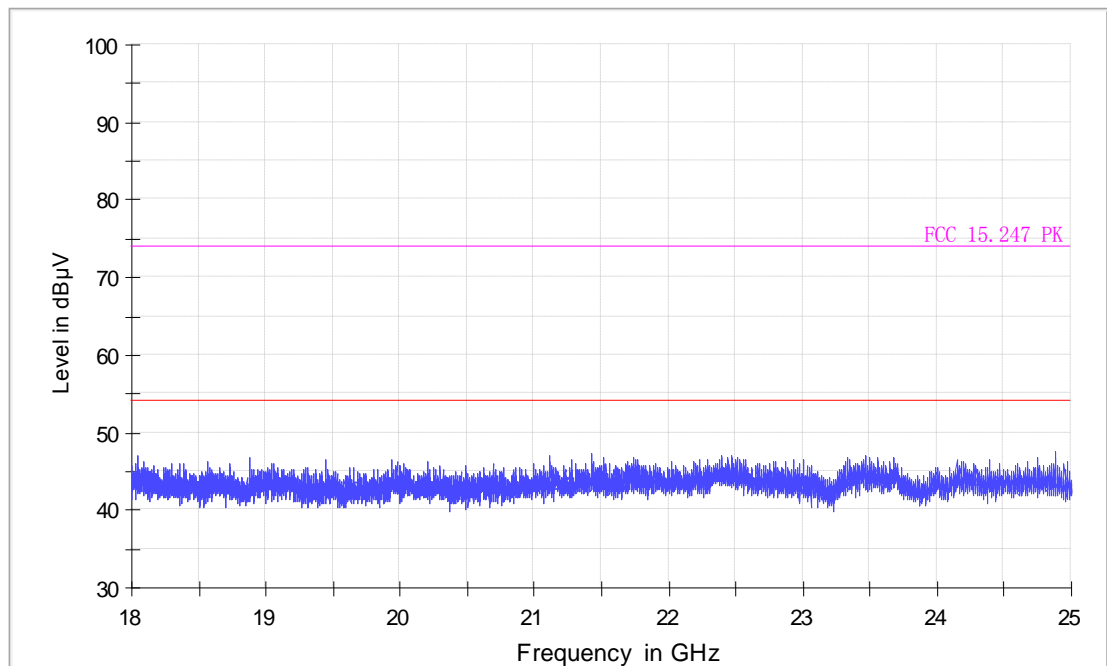
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11b CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

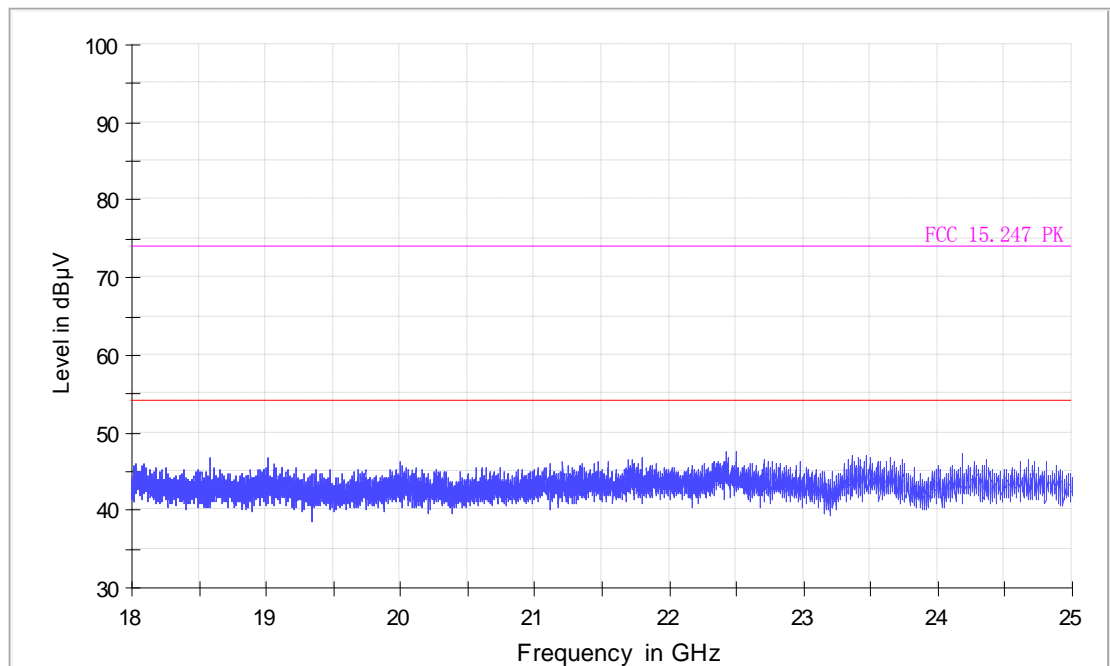
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11b CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

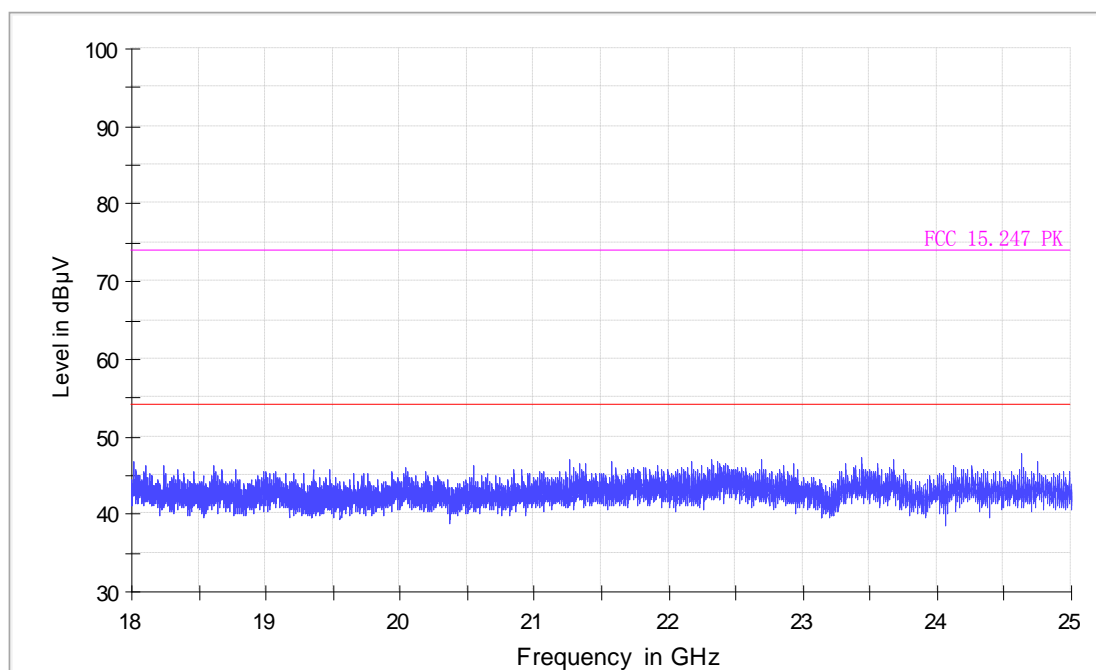
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11q CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

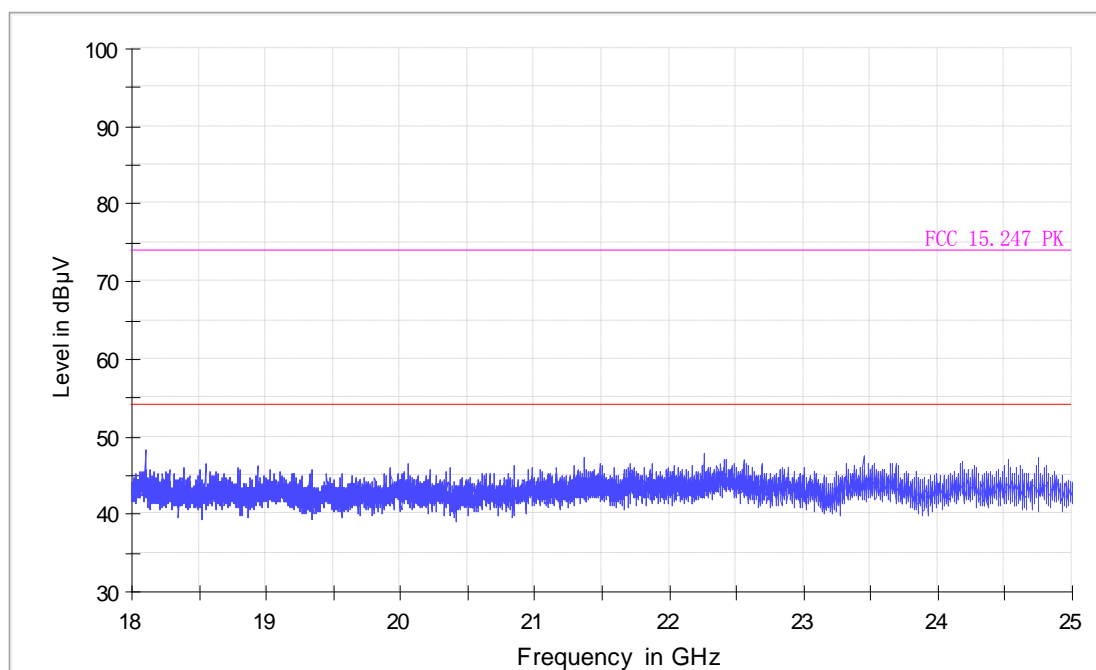
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11q CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz





# Radiated Emission

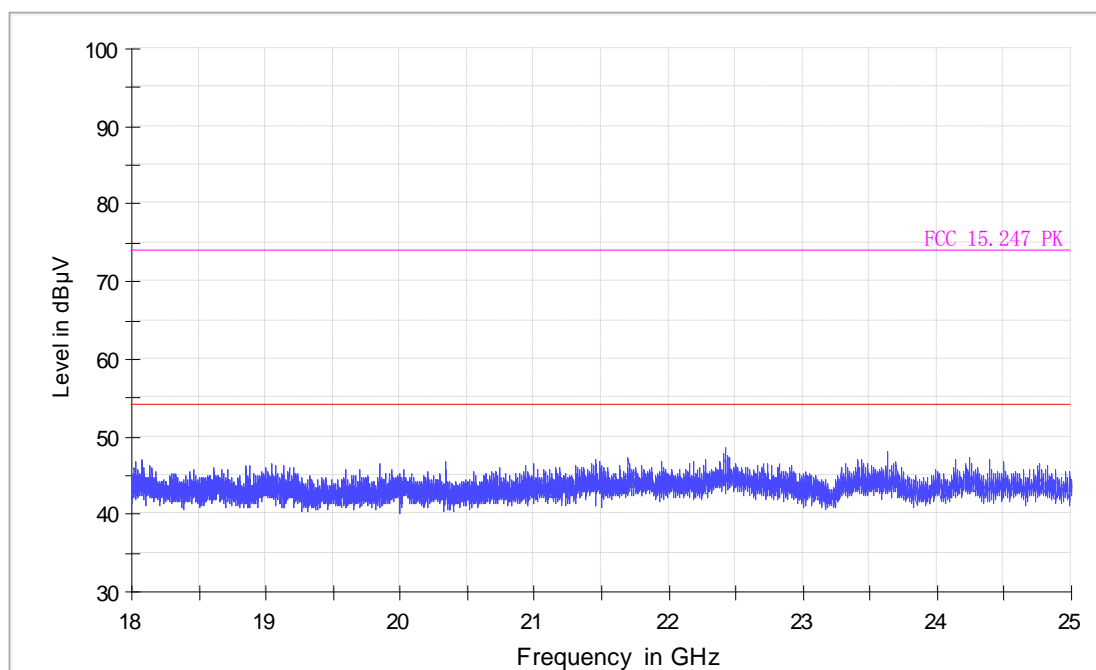
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11qCH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

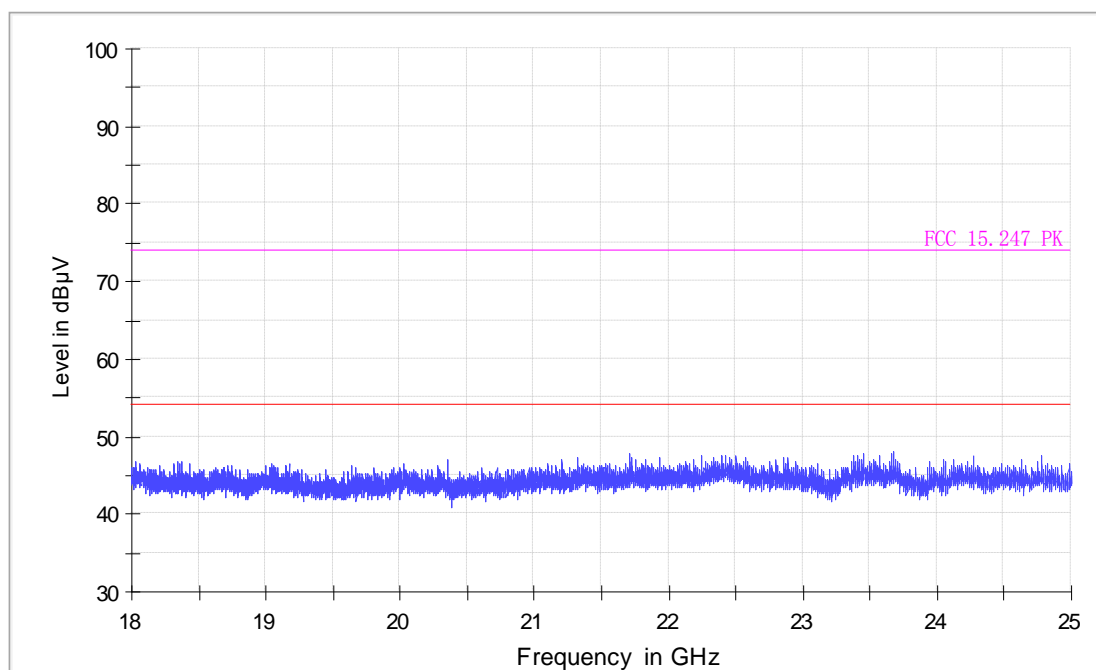
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11qCH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

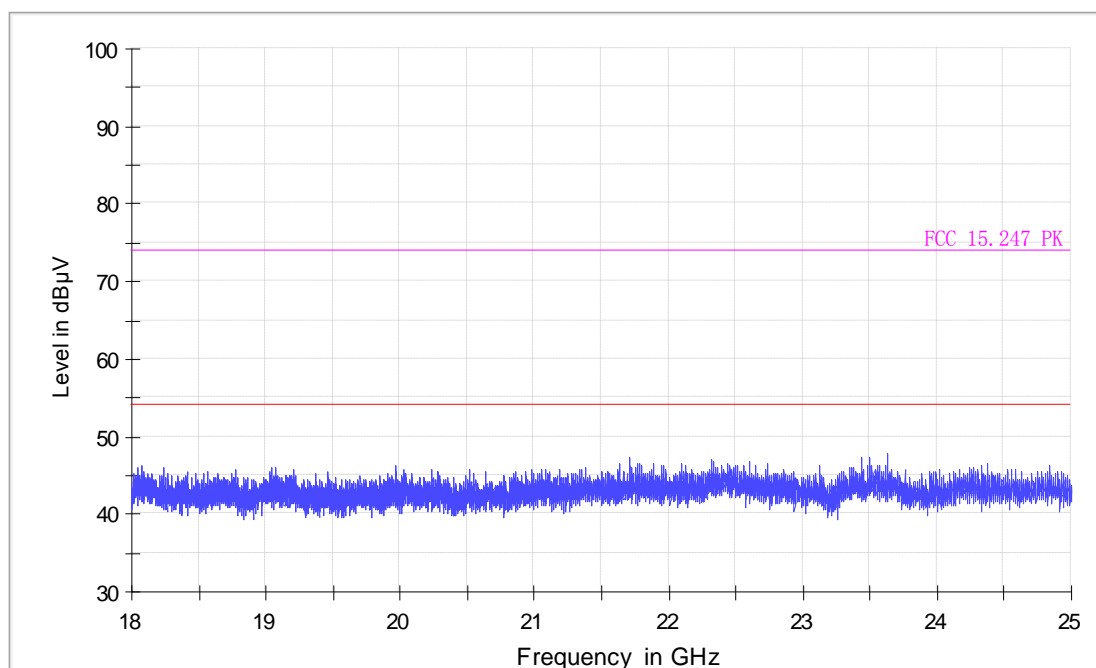
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11q CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

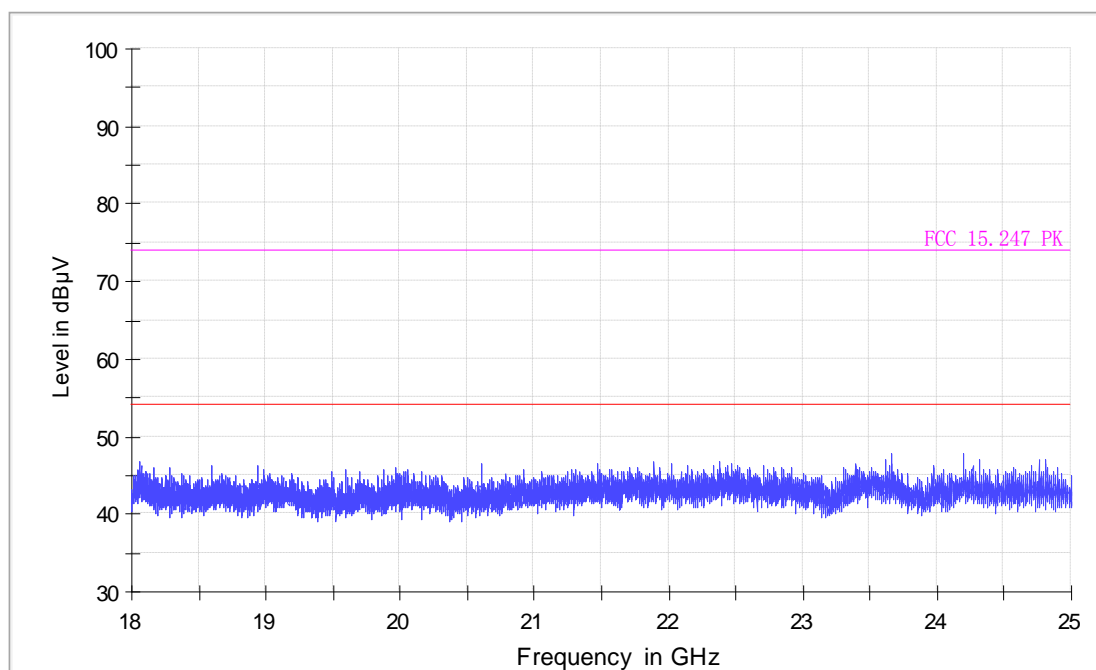
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11q CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

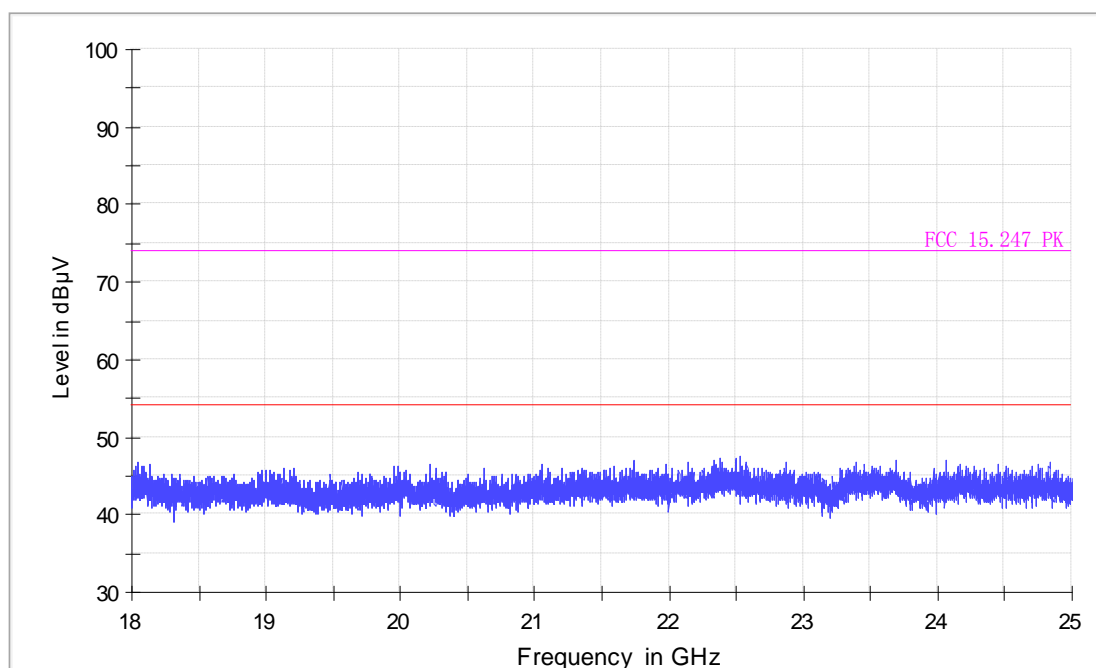
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT20 CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

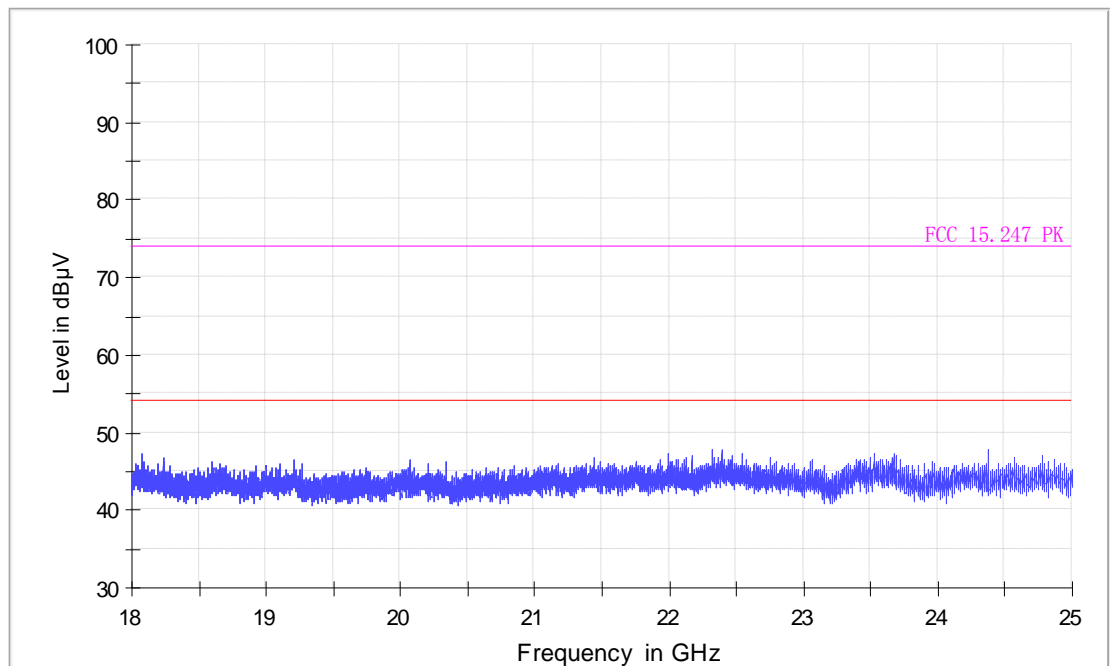
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT20 CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

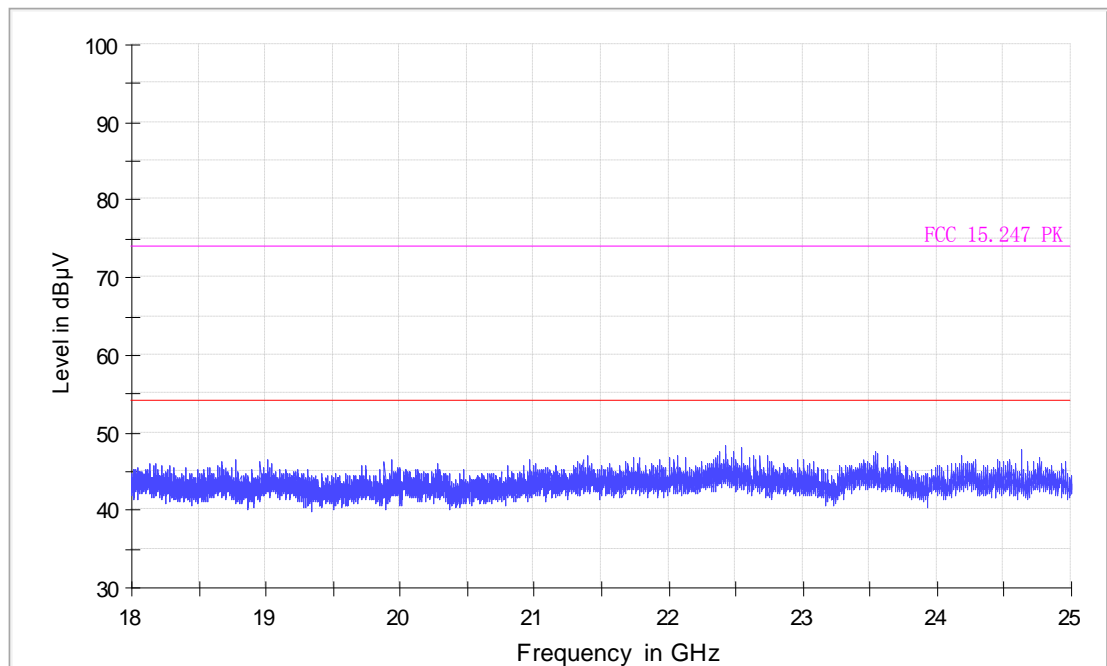
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT20 CH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

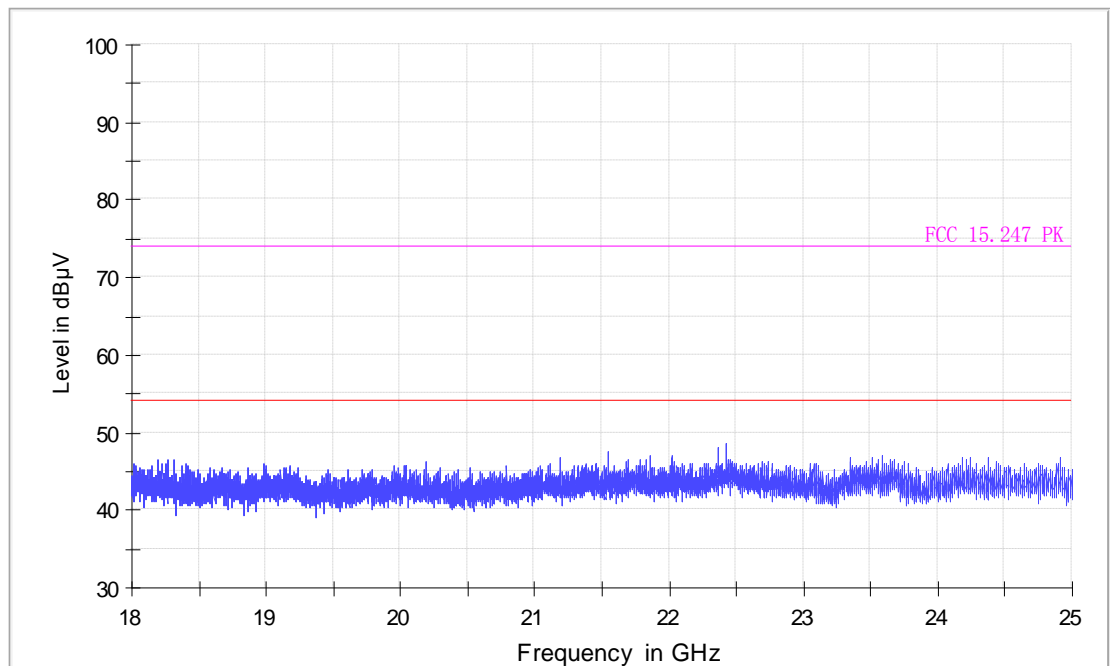
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT20 CH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz





# Radiated Emission

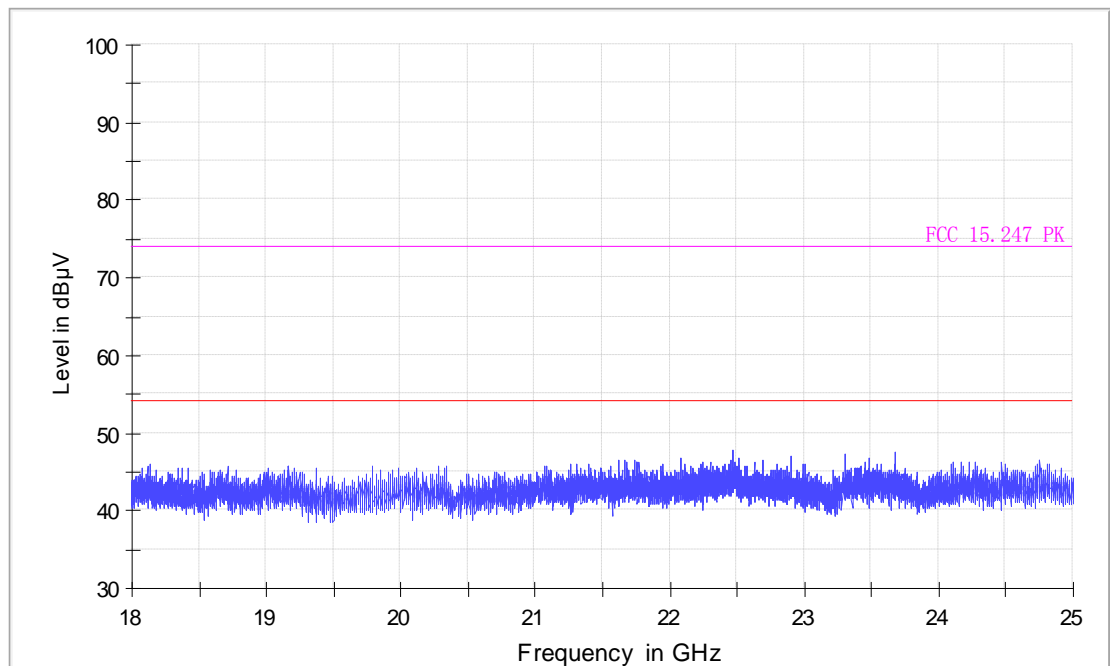
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT20 CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

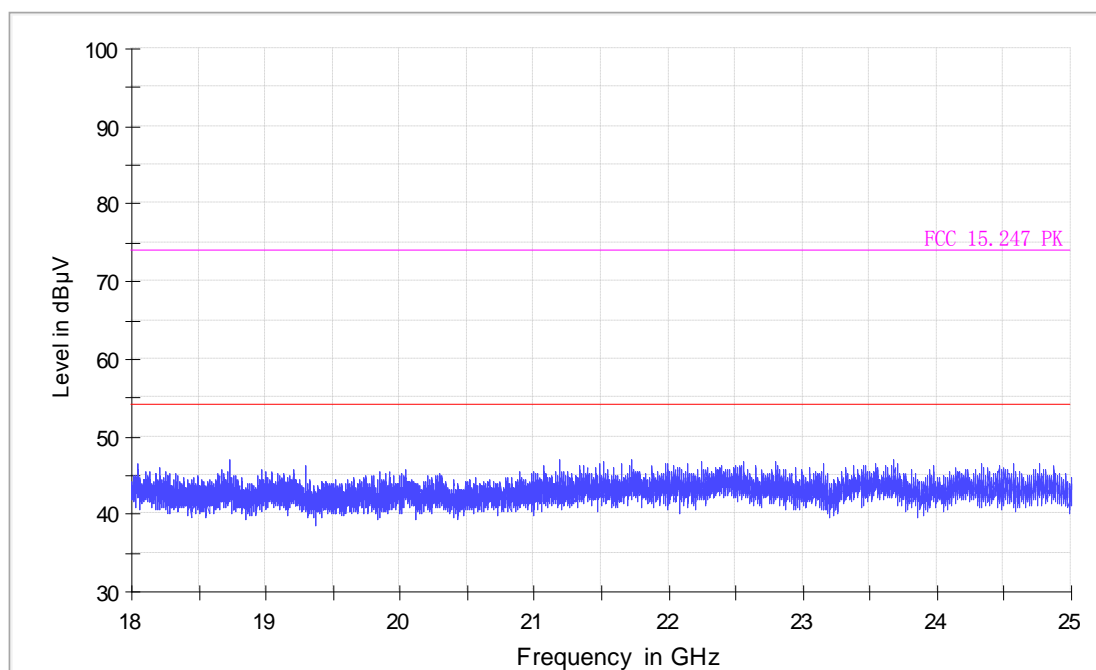
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT20 CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

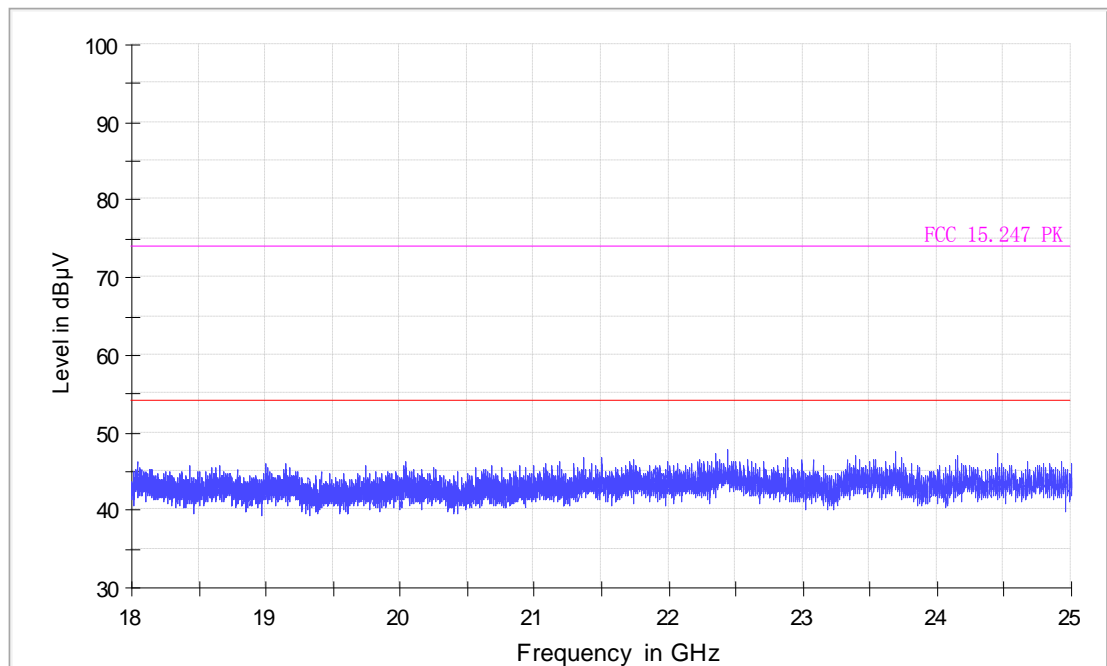
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT40 CH3  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

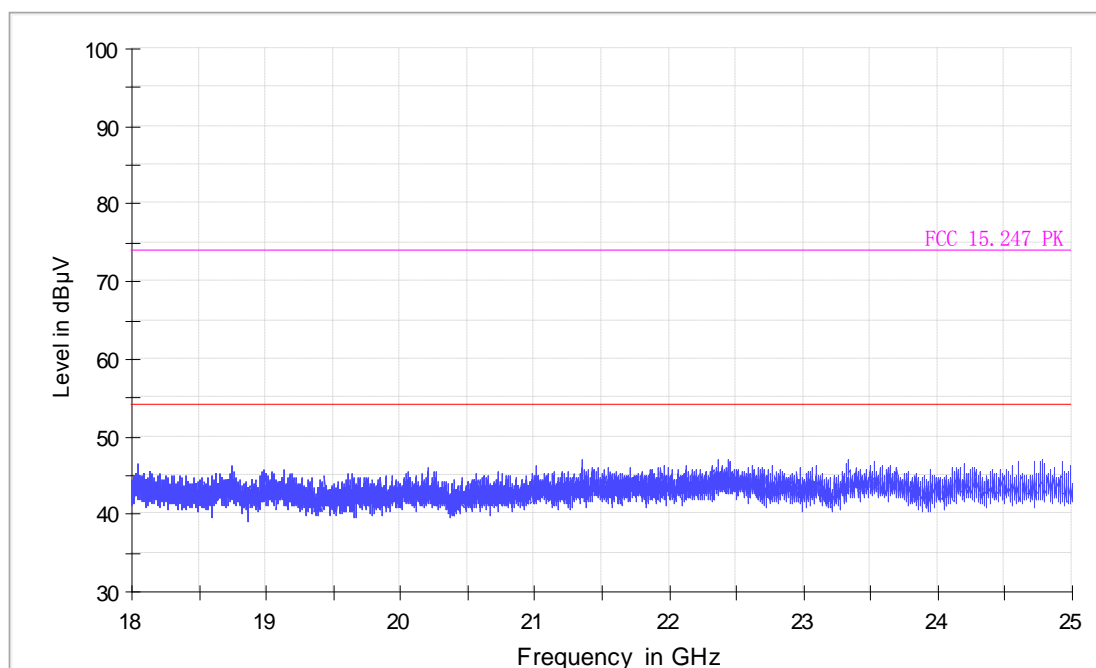
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT40 CH3  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

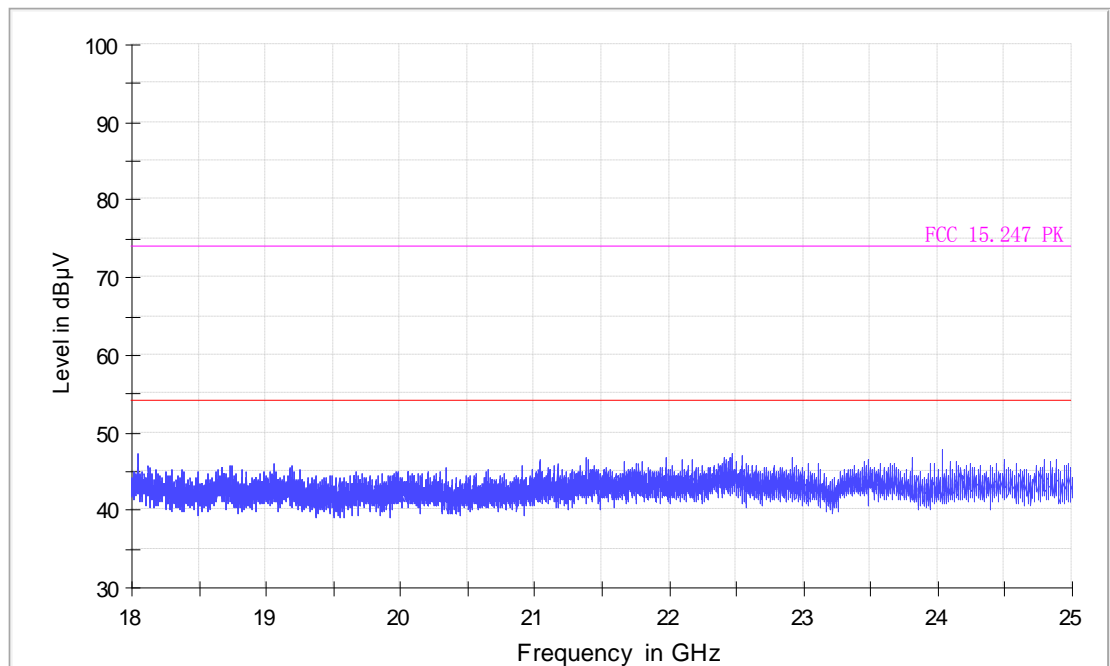
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT40 CH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

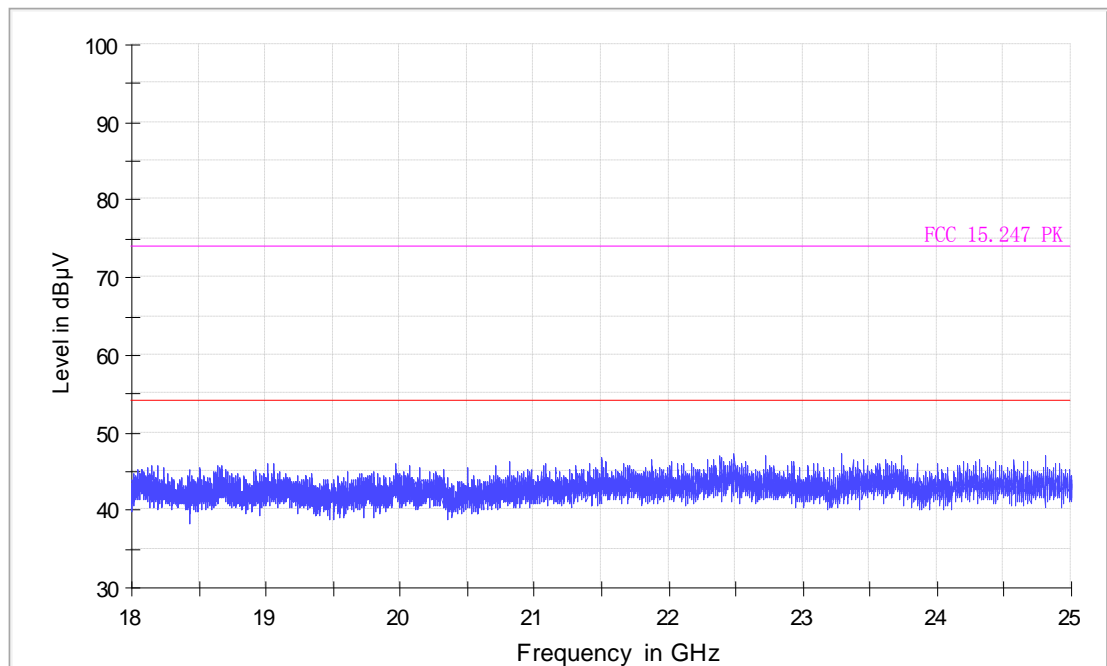
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT40 CH6  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

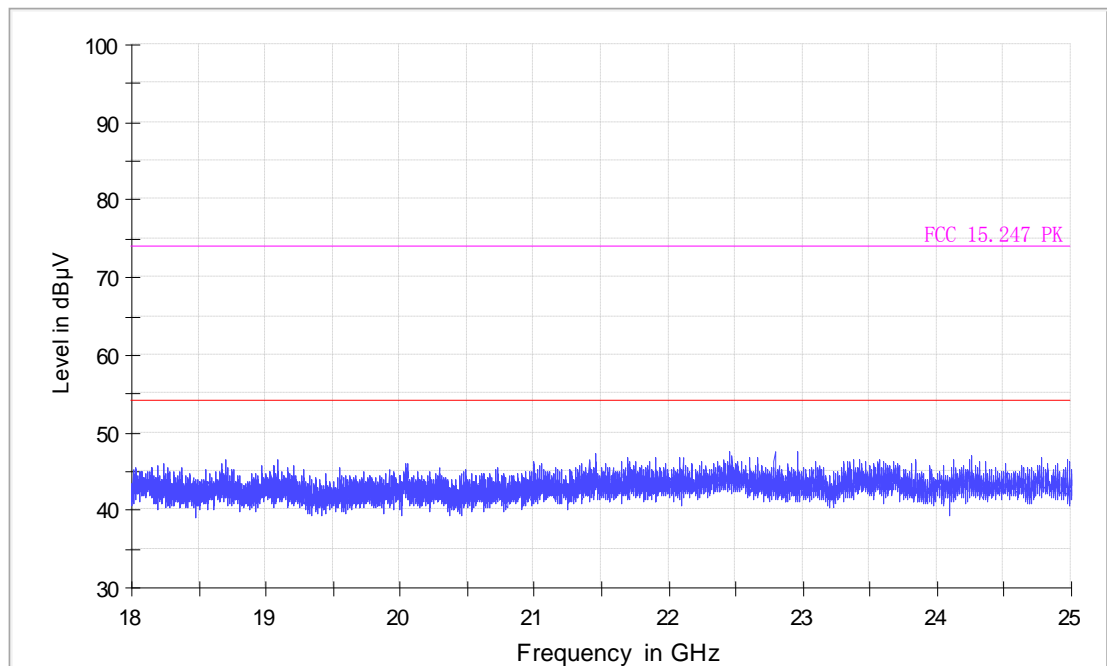
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT40 CH9  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz



# Radiated Emission

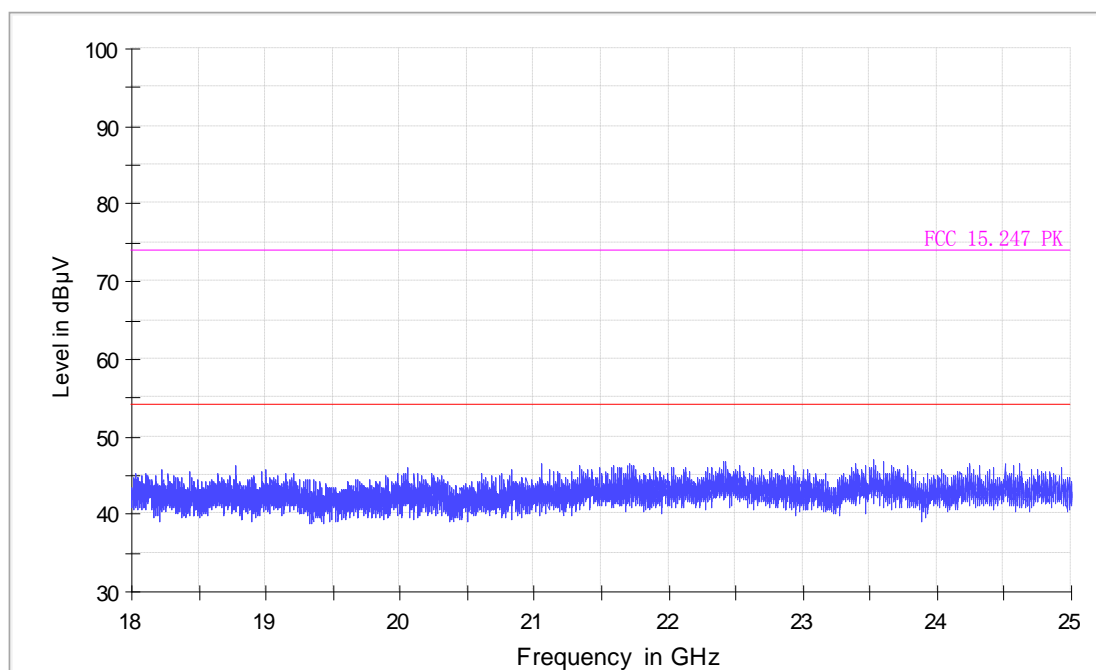
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: 11n-HT40 CH9  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 18-26.5GHz





Band edge

11b

CH1

## Radiated Emission

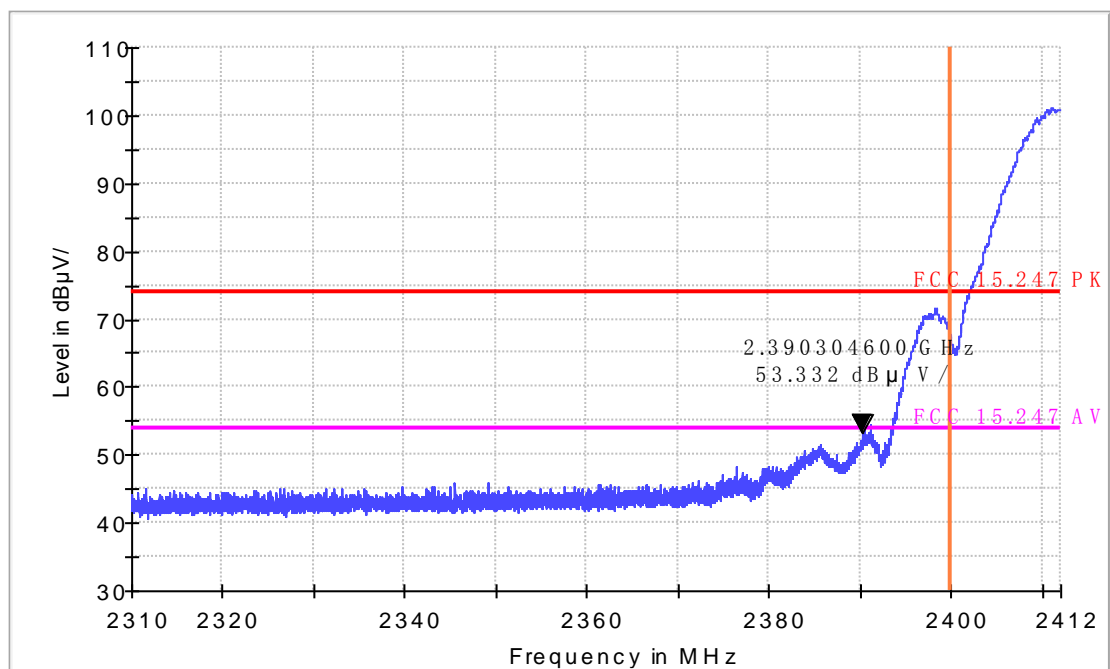
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH1  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

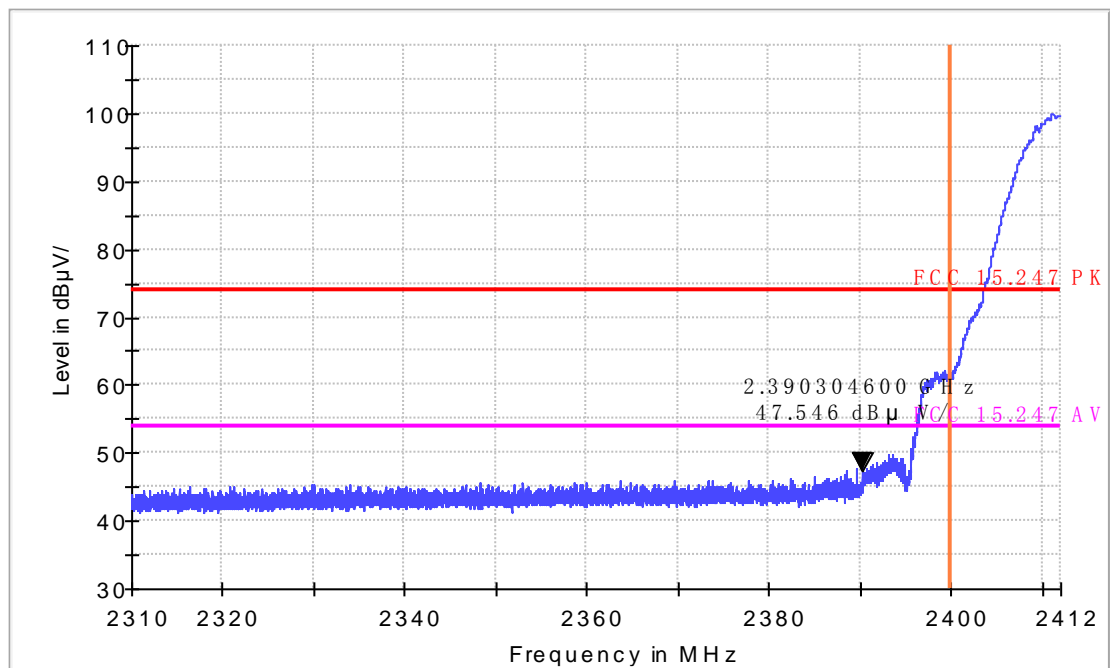
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

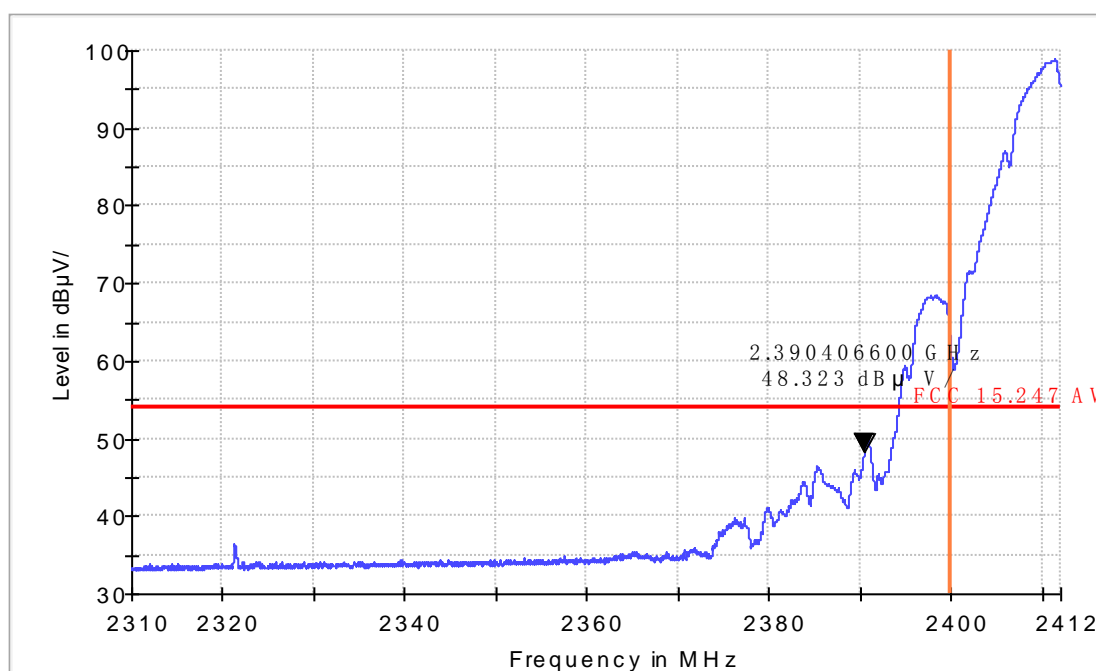
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

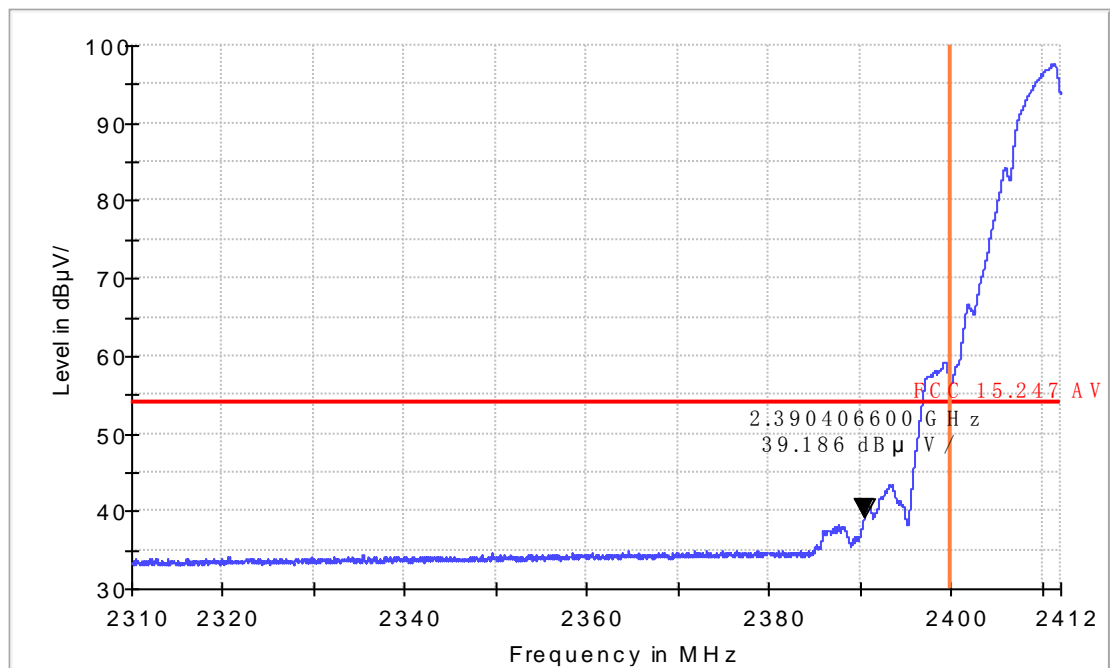
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



Band edge

11g

CH1

## Radiated Emission

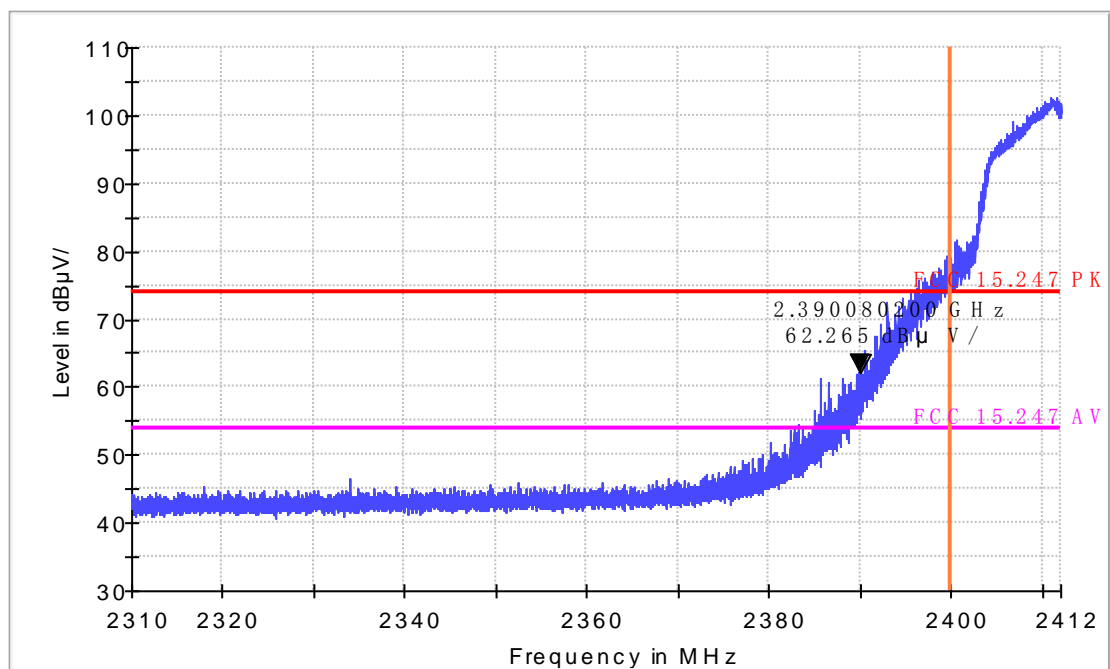
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH1  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

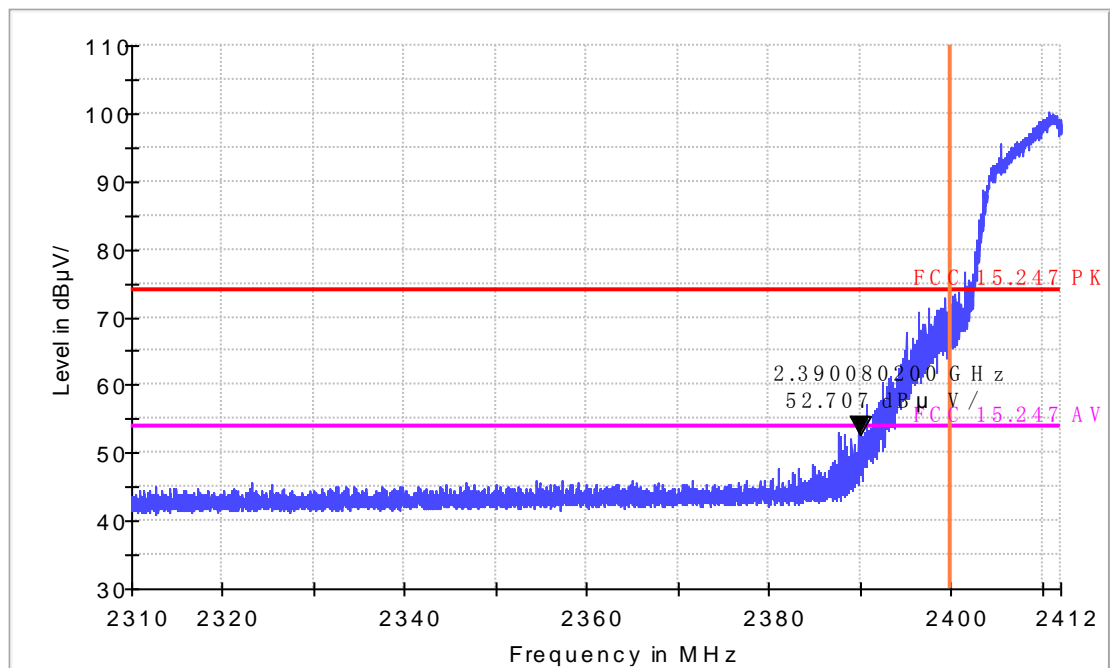
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

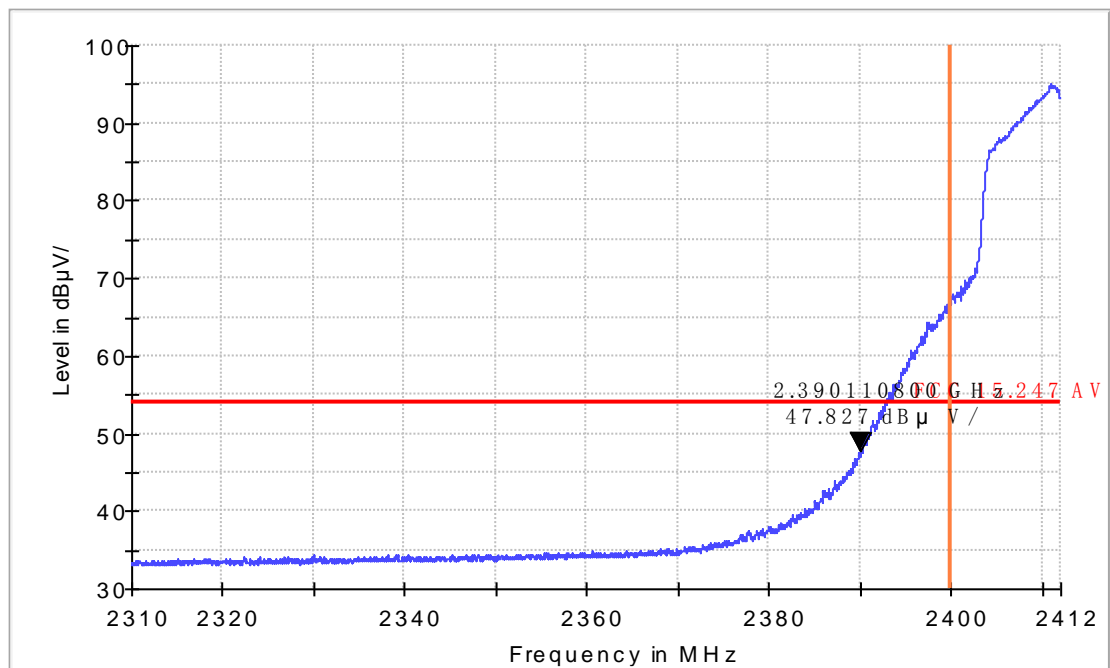
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

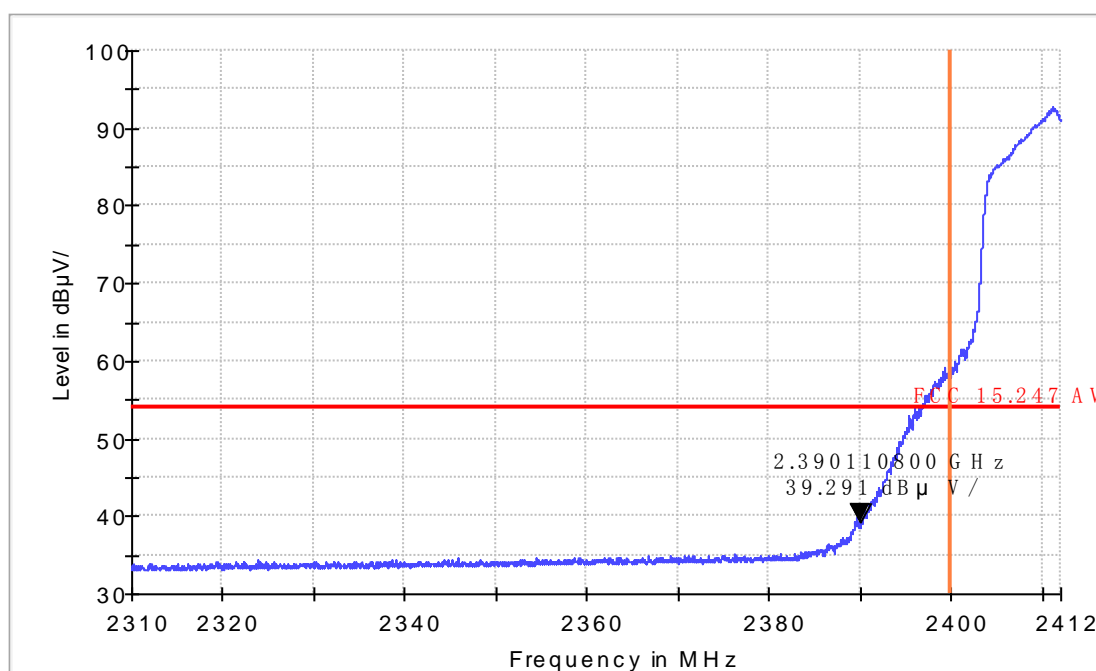
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV





Band edge

11n-HT20

CH1

## Radiated Emission

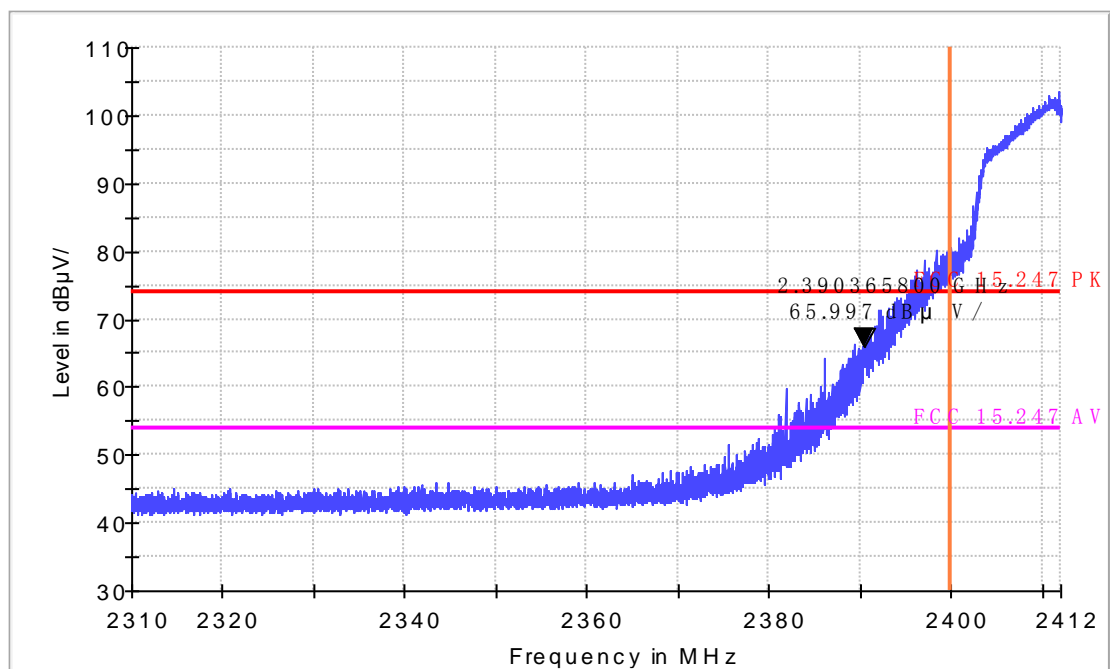
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH1  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

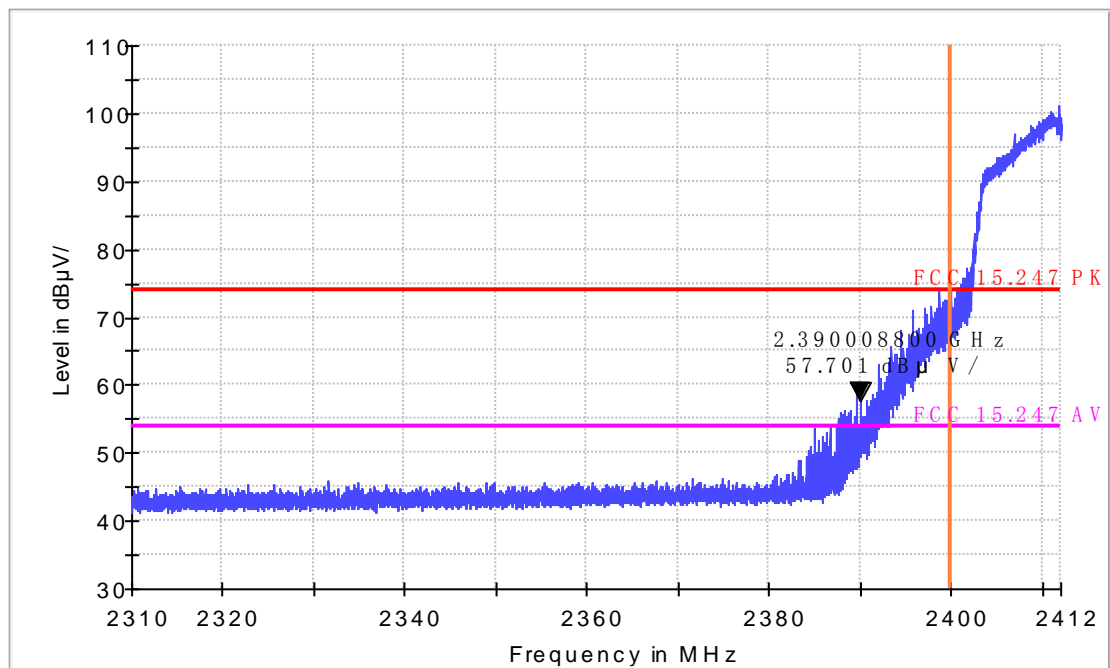
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

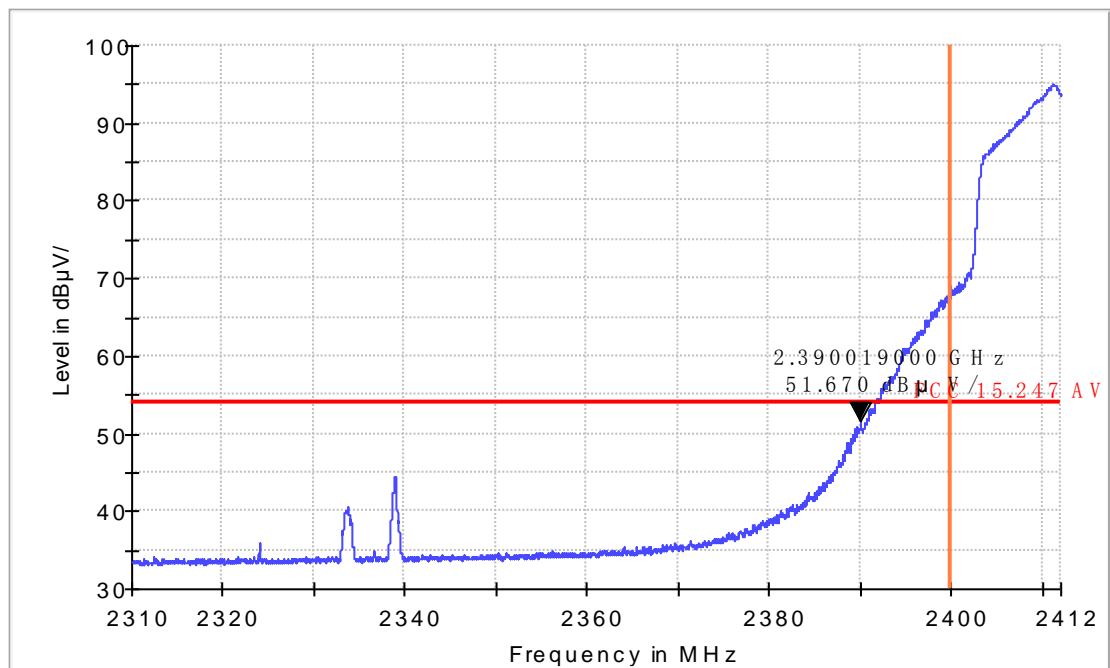
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

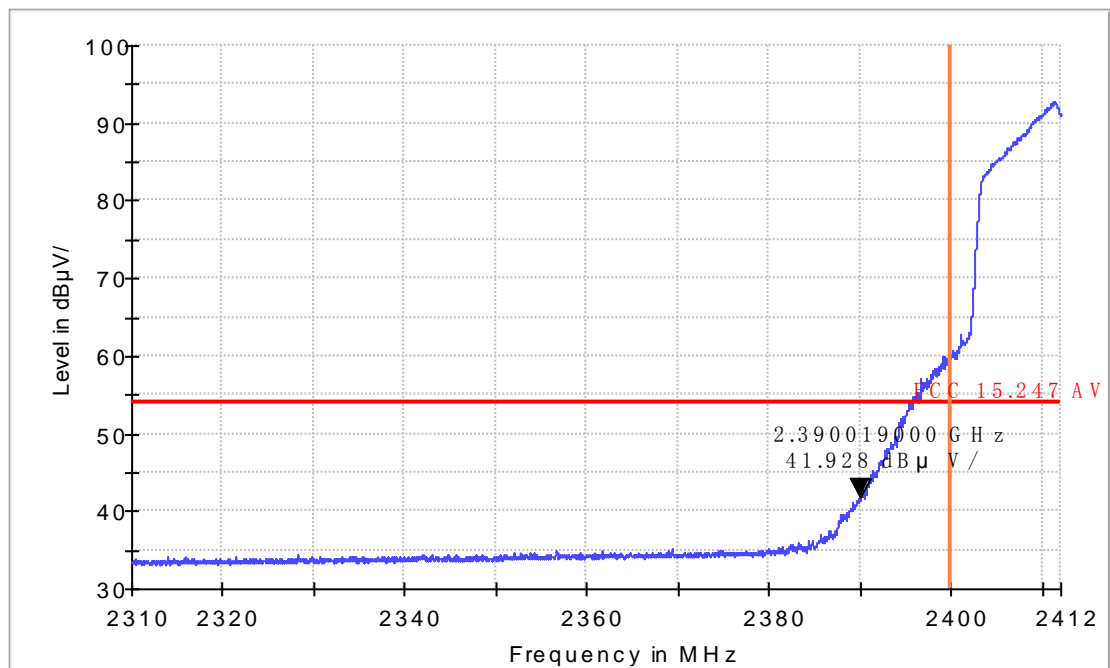
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH1  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



Band edge

11n-HT40

CH3

## Radiated Emission

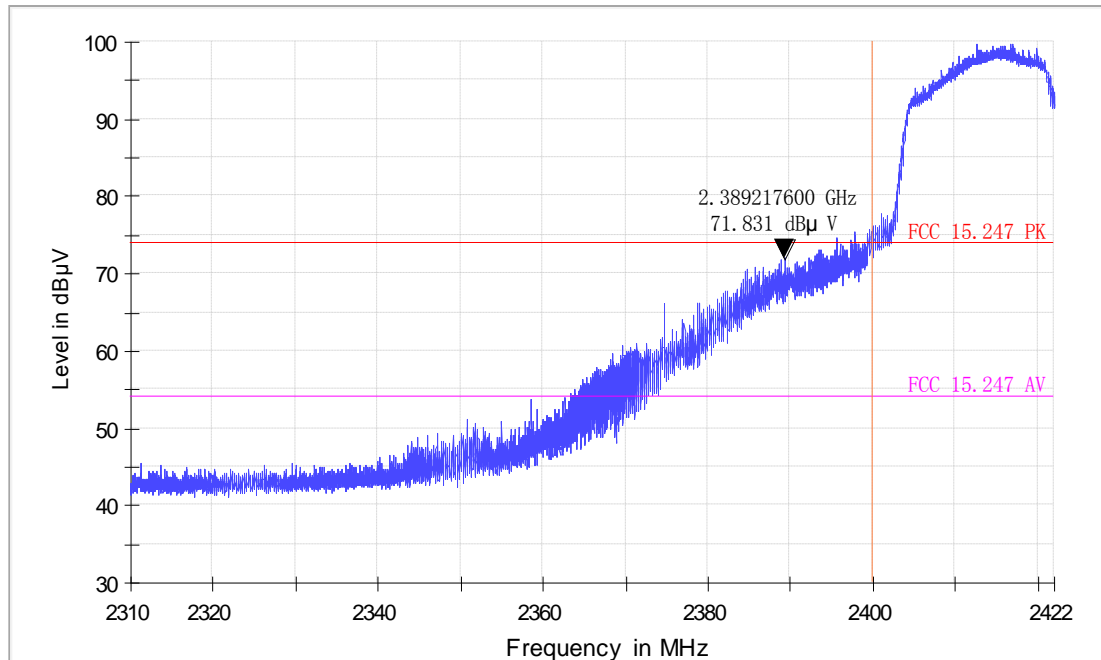
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH3  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

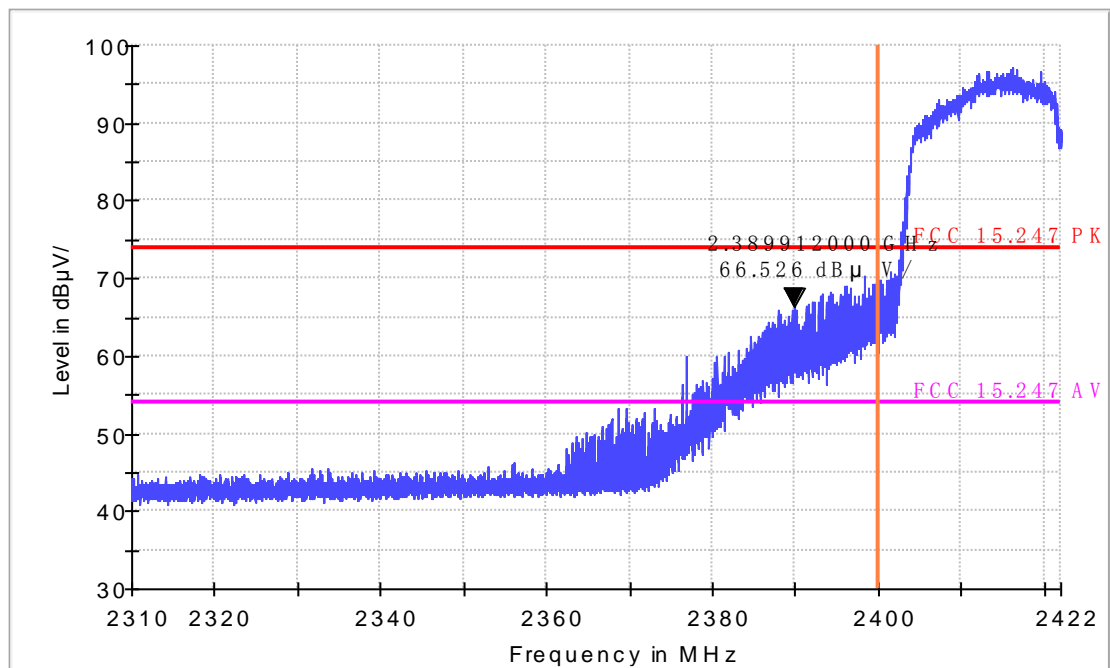
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH3  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

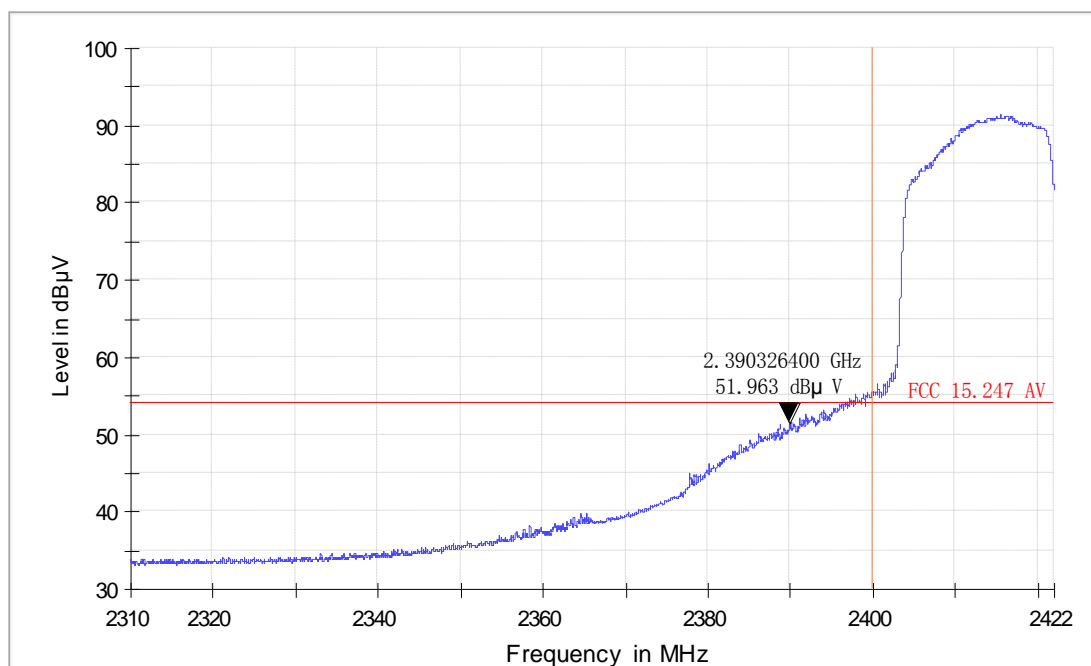
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH3  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

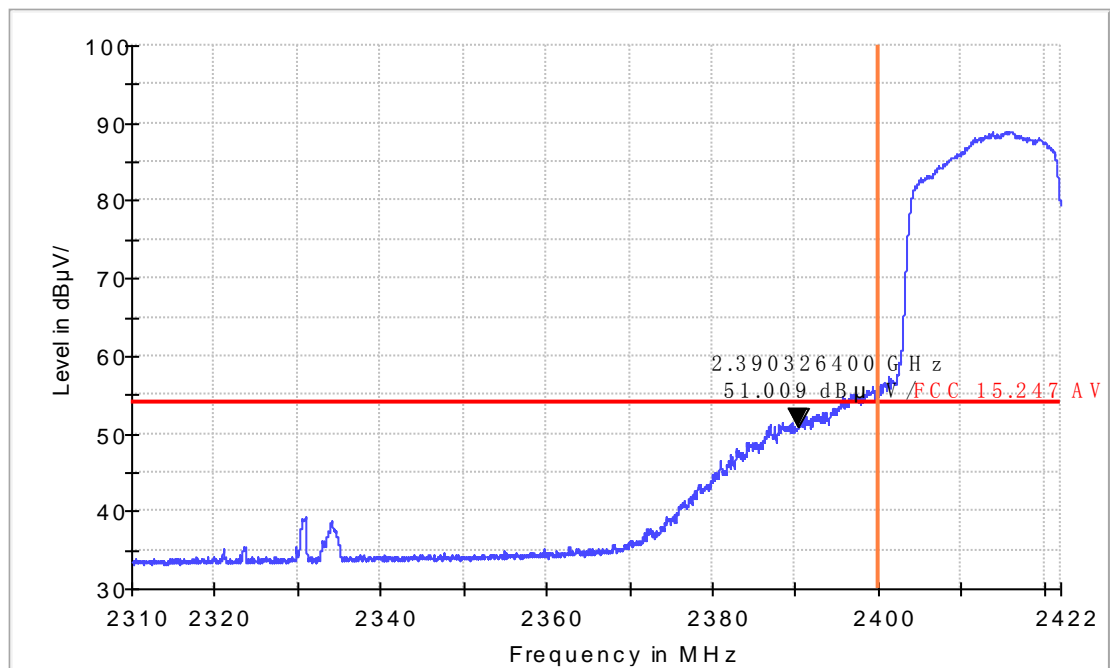
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH3  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV





Band edge

11b

CH11

## Radiated Emission

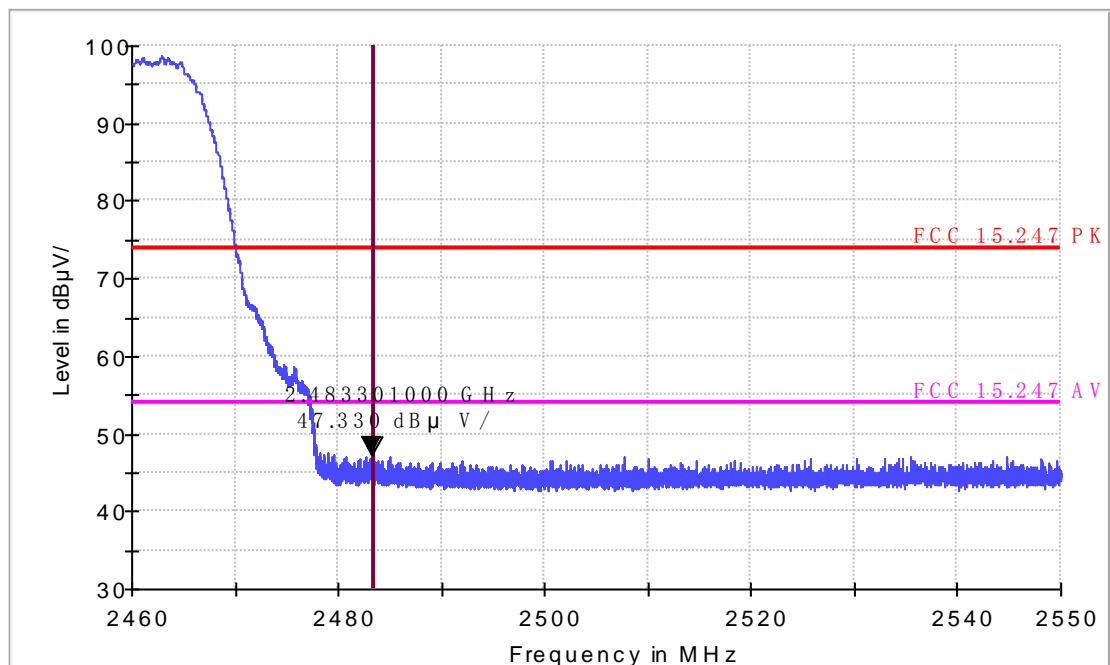
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH11  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

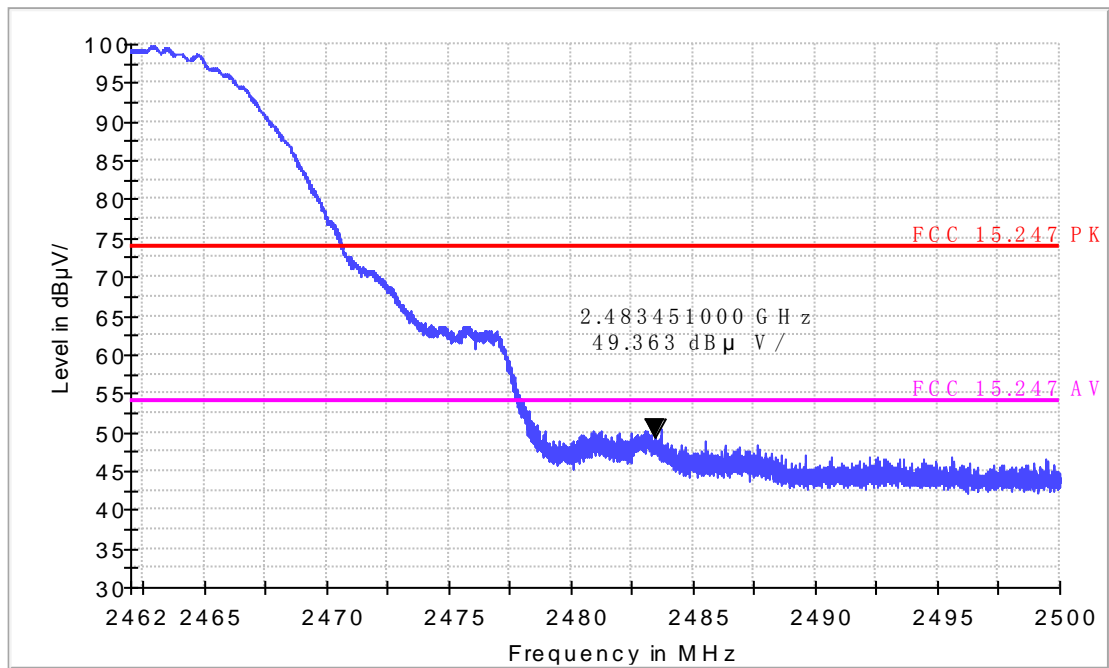
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

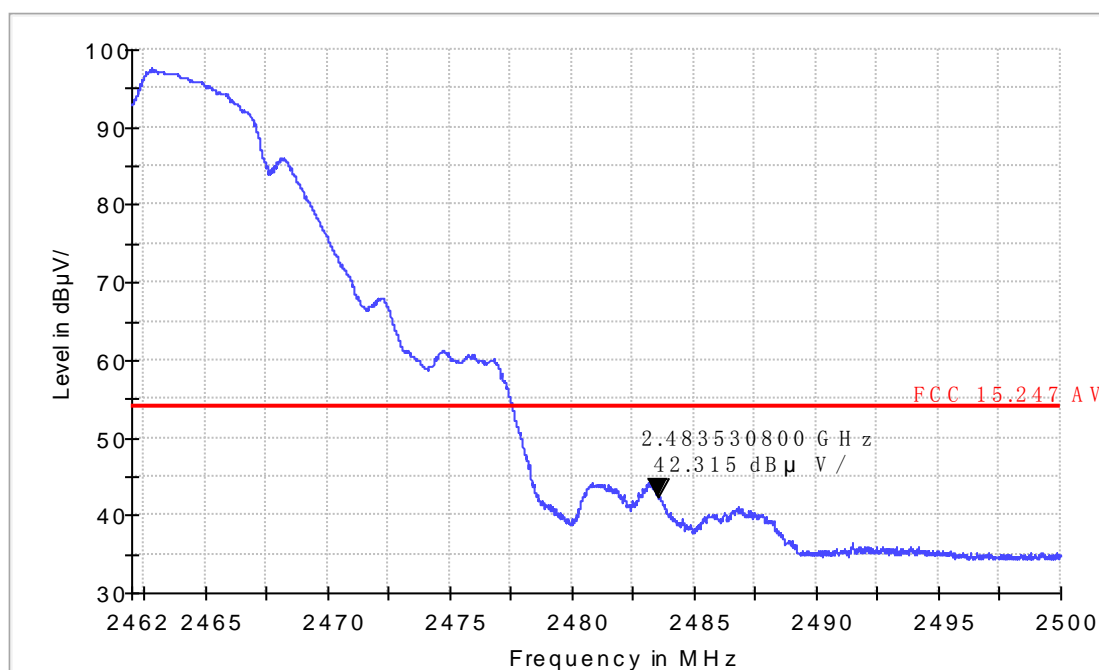
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

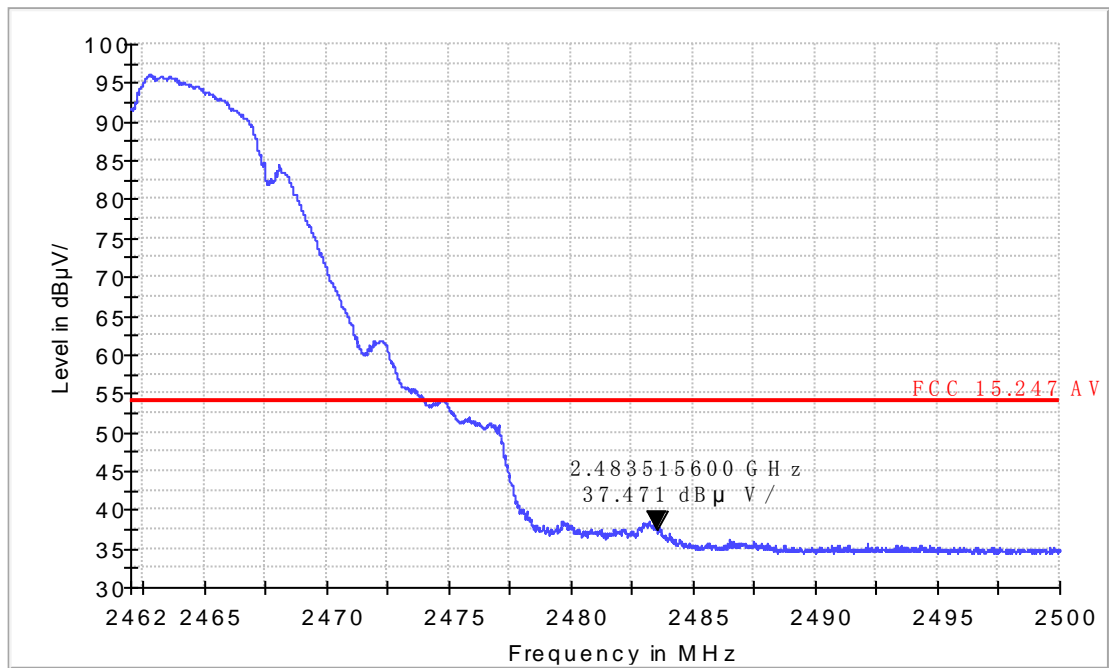
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11b CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



Band edge

11g

CH11

## Radiated Emission

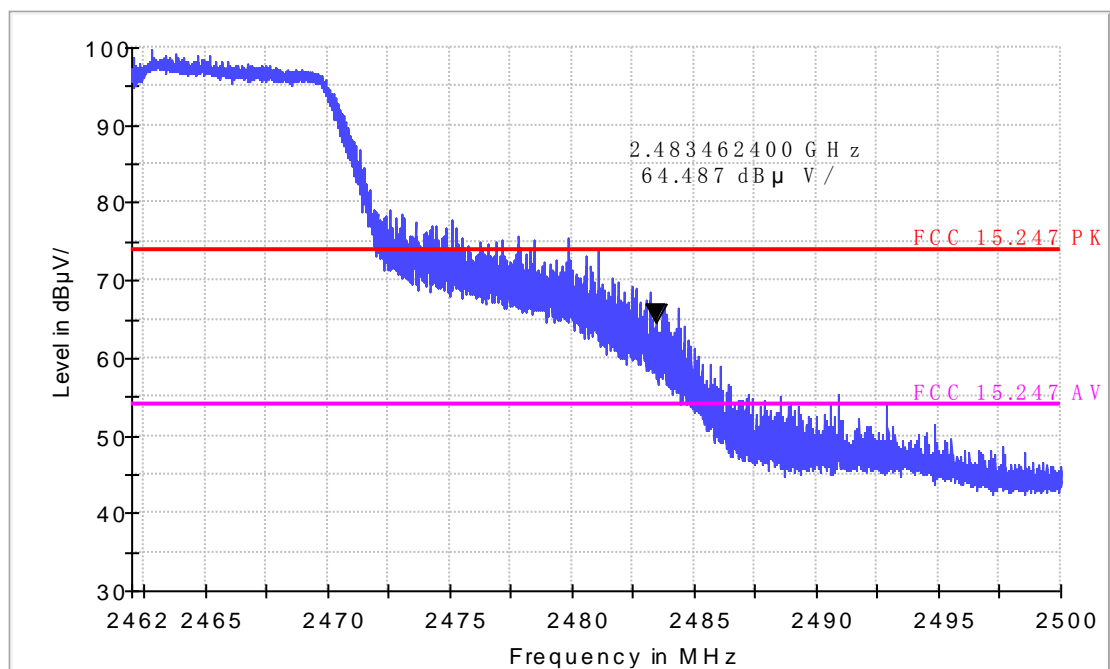
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH11  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

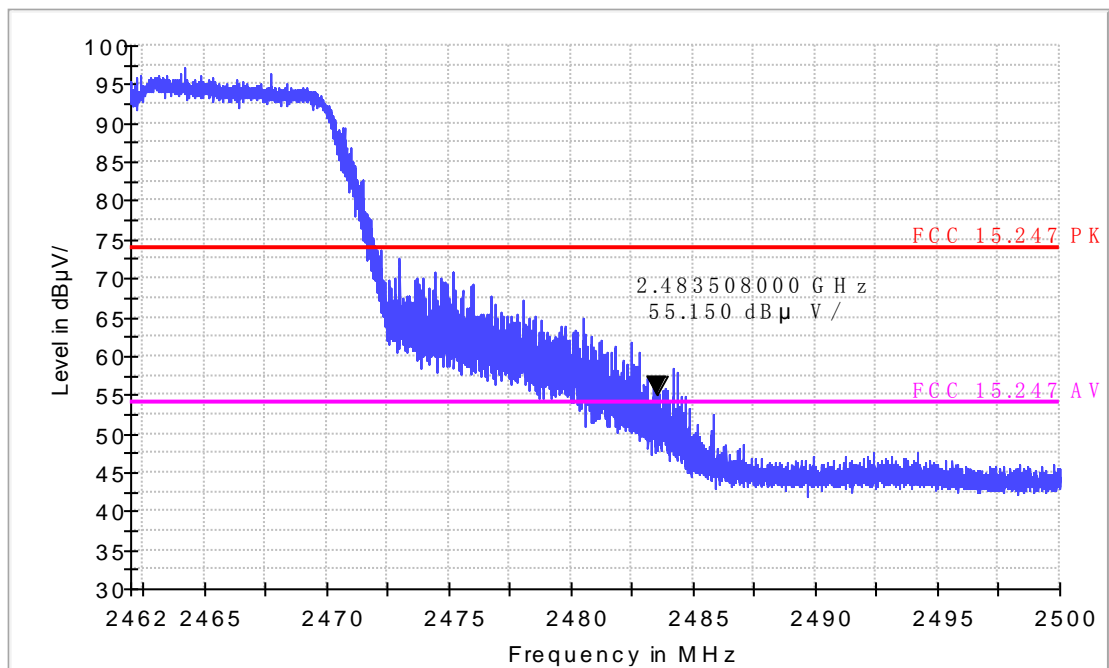
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

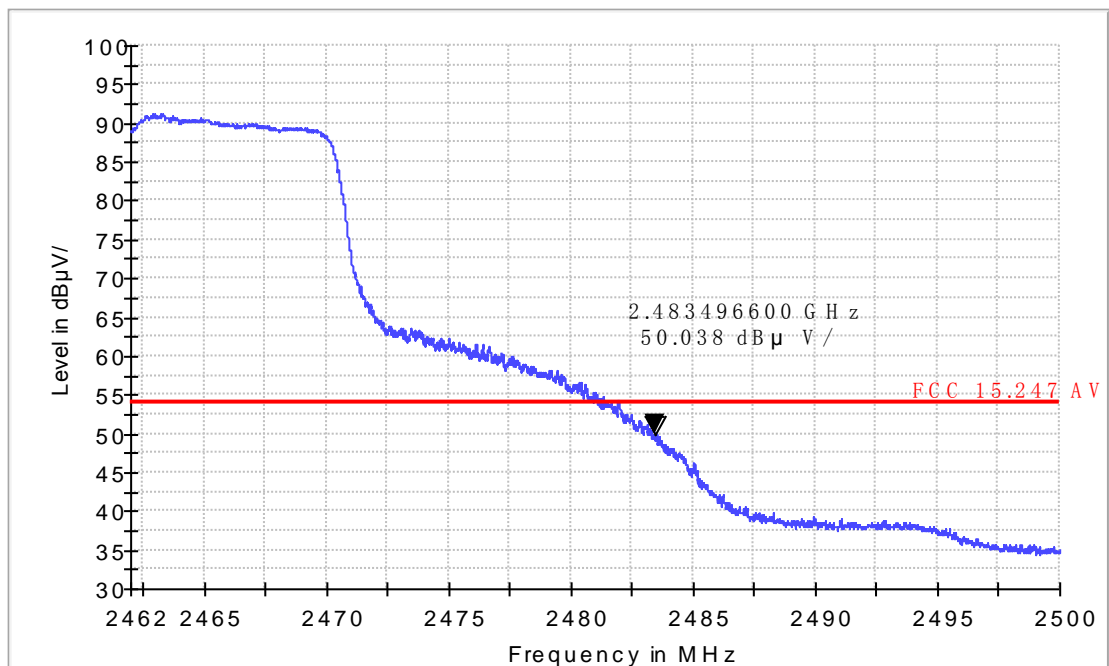
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

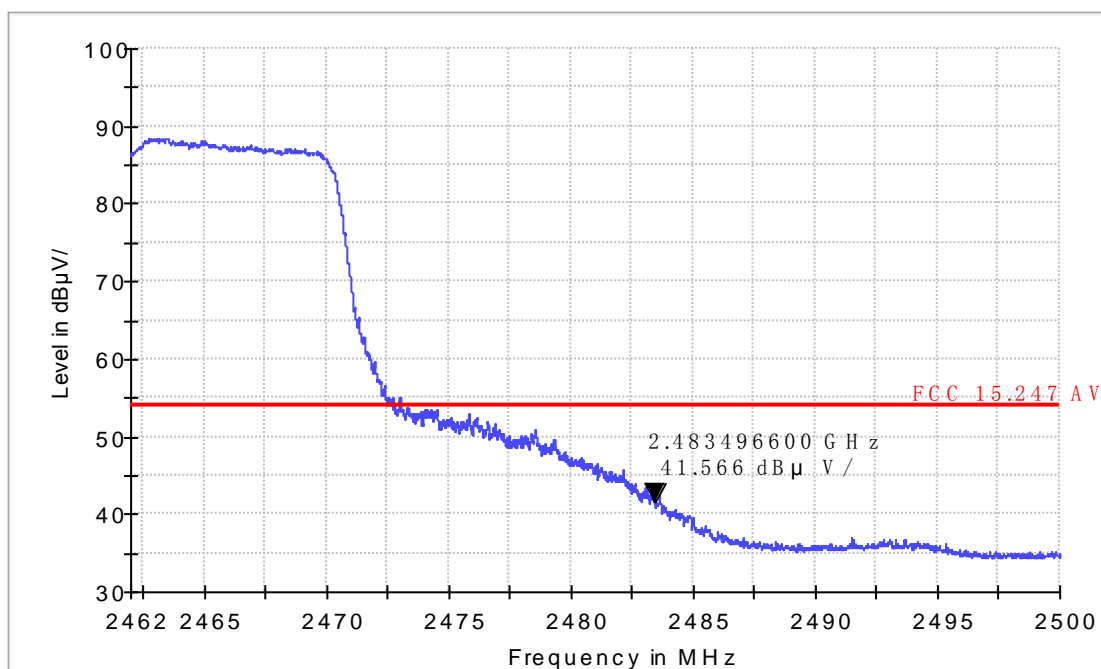
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11g CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV





Band edge

11n-HT20

CH11

## Radiated Emission

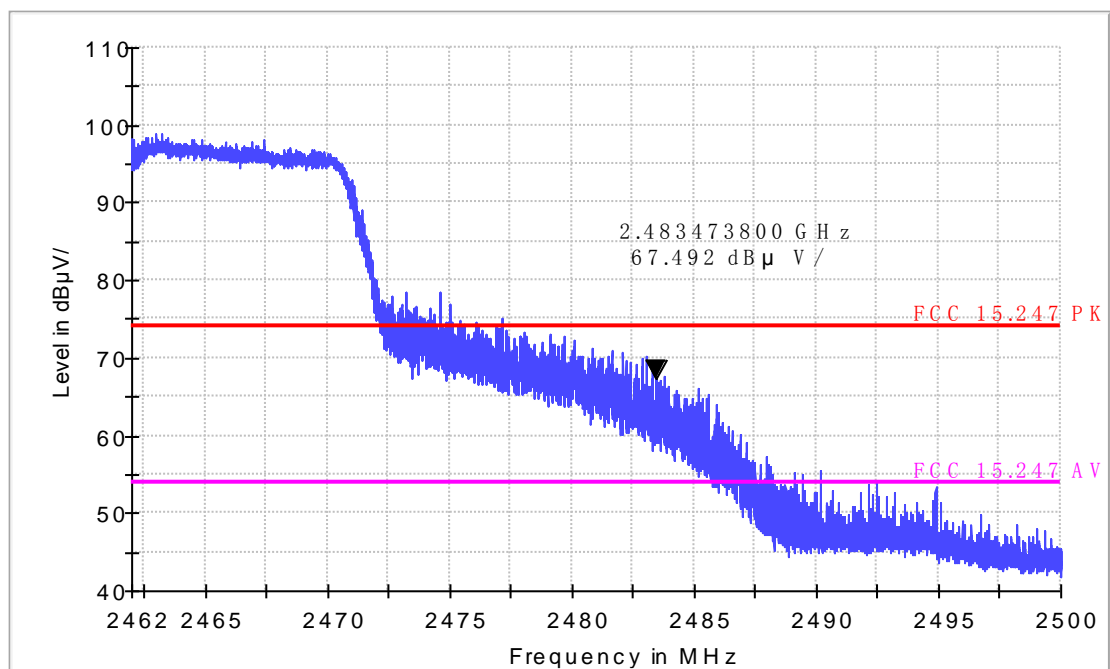
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH11  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

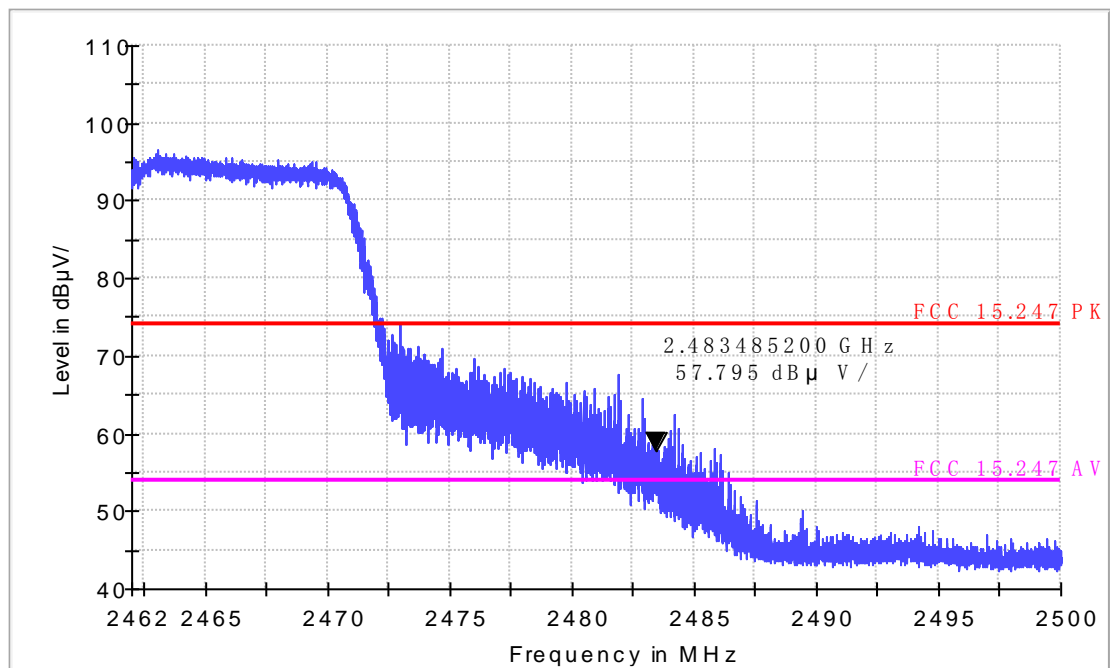
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

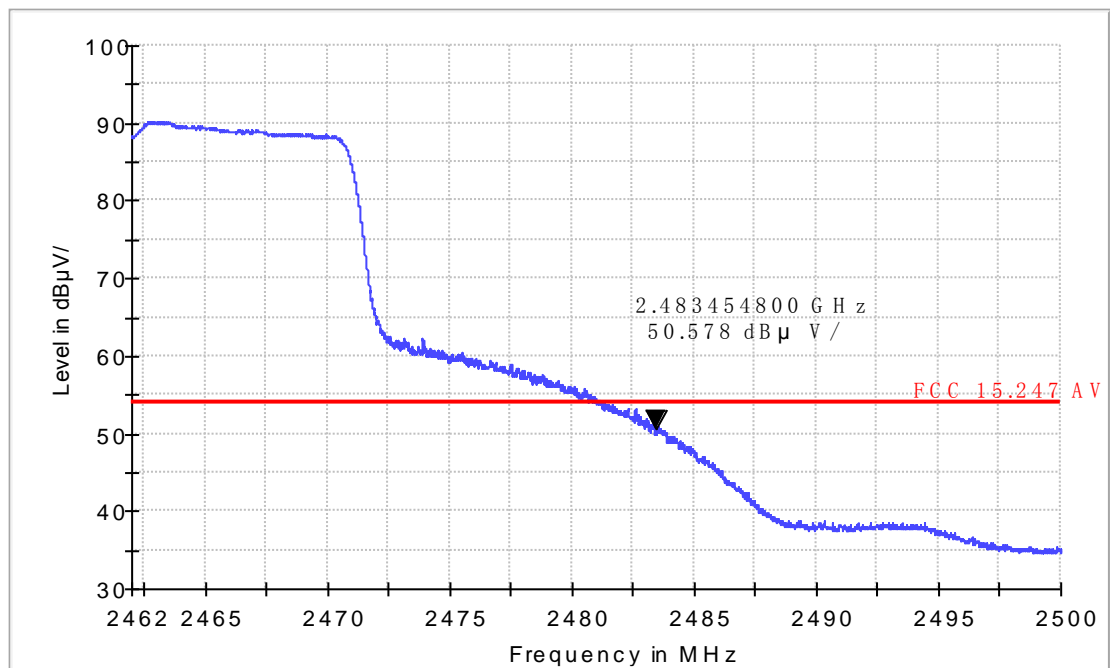
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

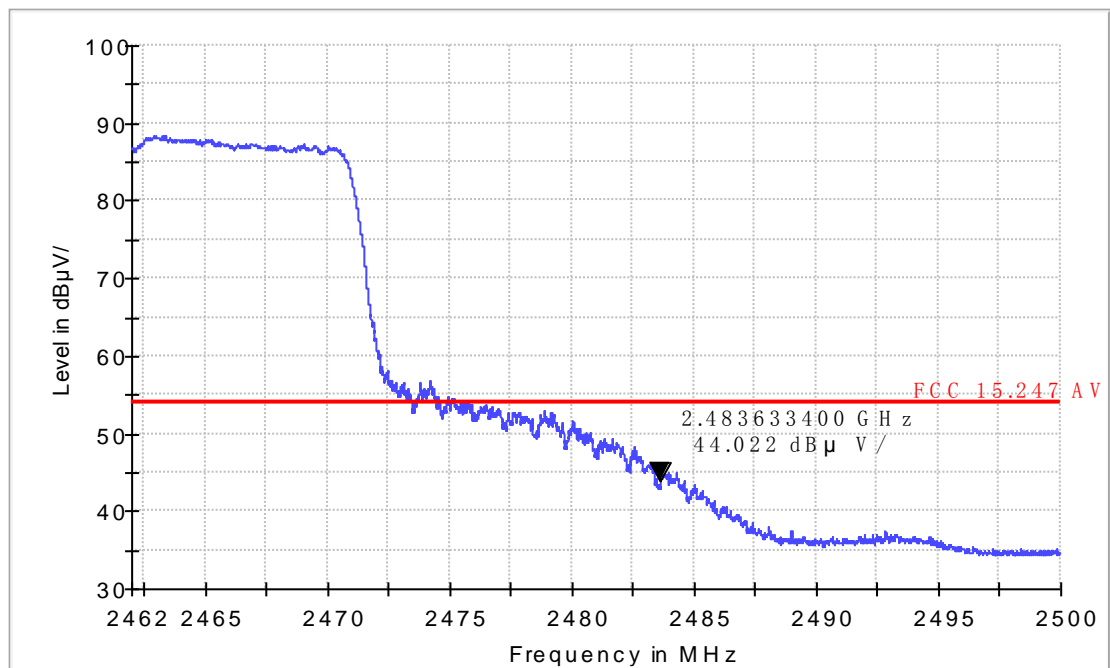
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n20 CH11  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



Band edge

11n-HT40

CH9

## Radiated Emission

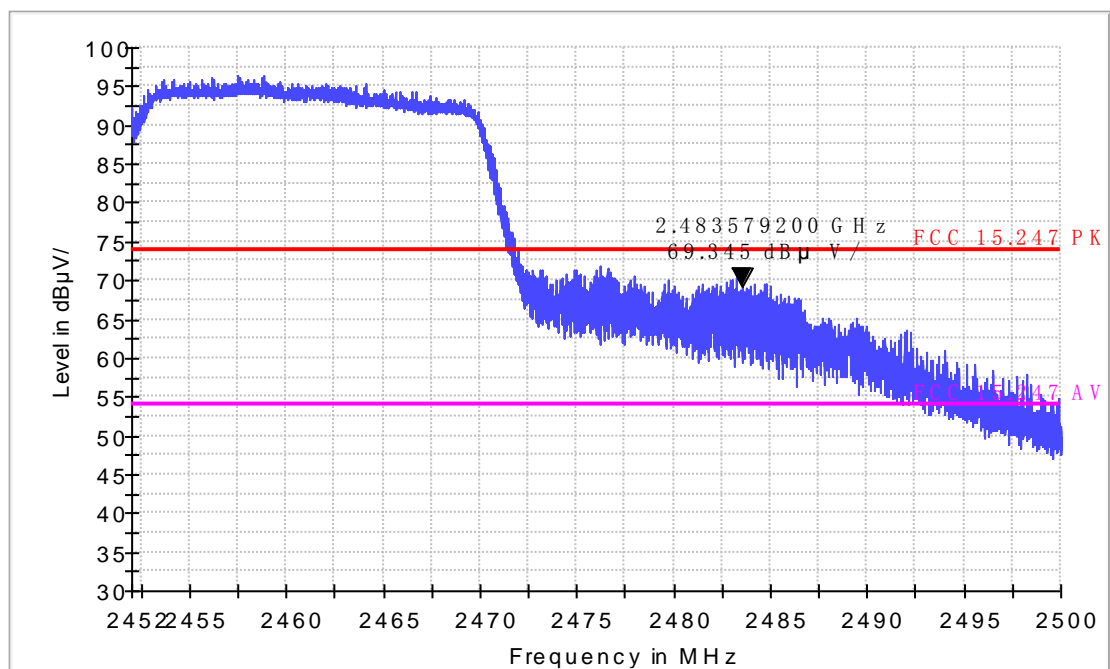
### EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH9  
Test Voltage:  
Comment:

### Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

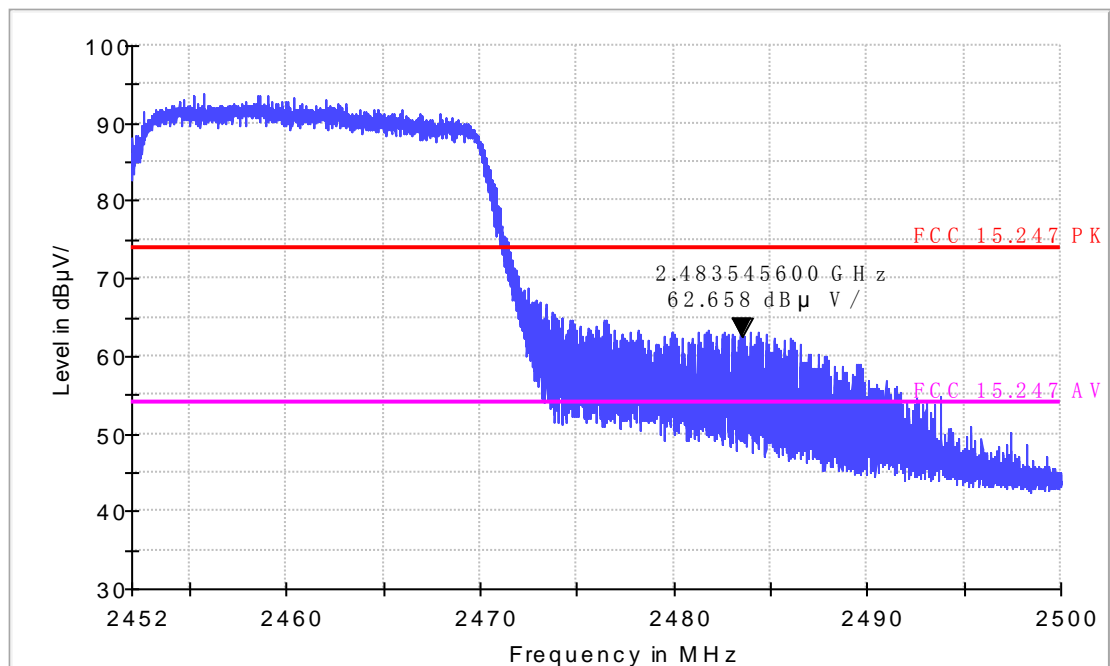
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH9  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-PK



# Radiated Emission

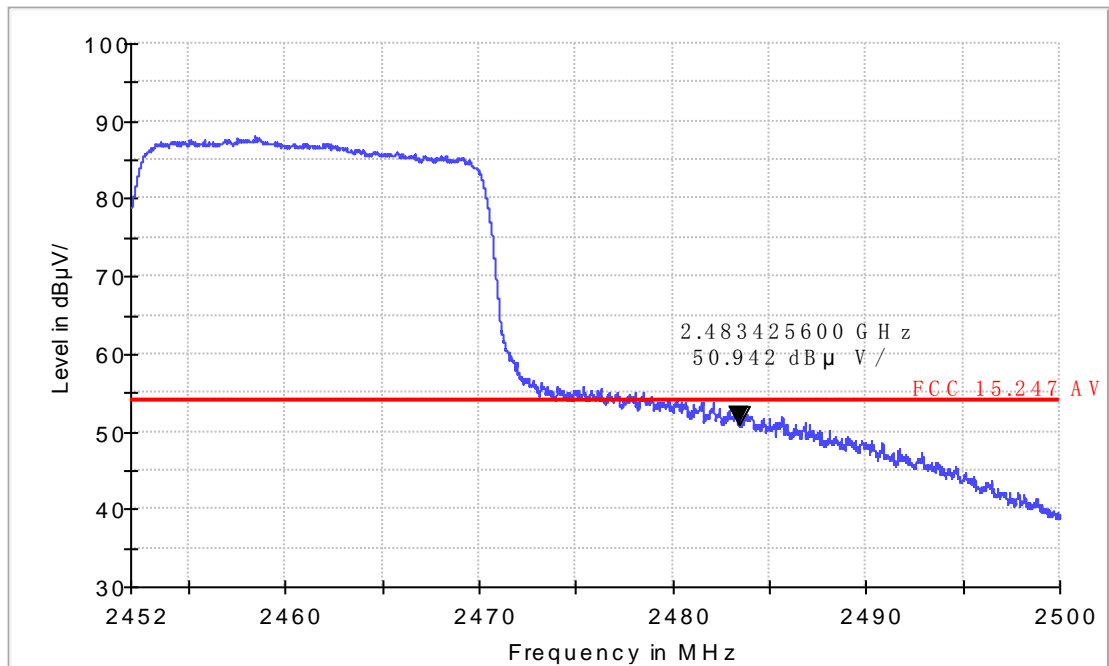
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH9  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV



# Radiated Emission

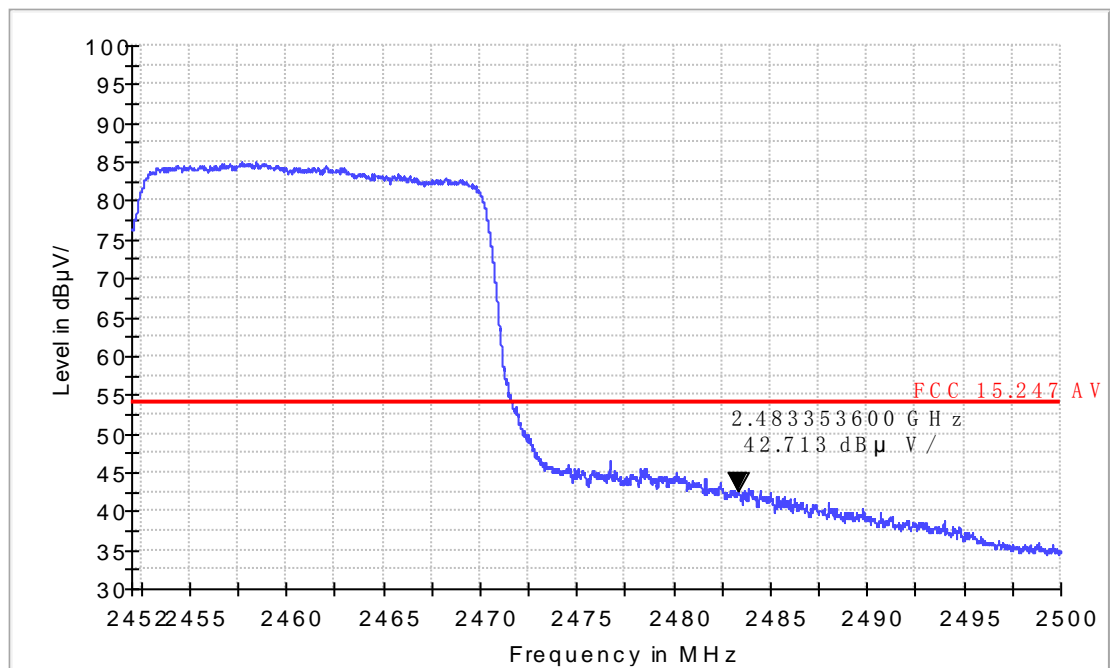
## EUT Information

EUT Model Name: HY1-5137  
Operation mode: Wifi 11n40 CH9  
Test Voltage:  
Comment:

## Common Information

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

FCC Electric Field Strength 2.4GHz Bandedge-AV





## 10.CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT

### 10.1.Test Standard and Limit

#### 10.1.1.Test Standard

FCC Part 15 15.207

#### 10.1.2.Test Limit

Table 18 Conducted Disturbance Test Limit

Frequency	Maximum RF Line Voltage (dB $\mu$ 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.

### 10.2.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 form both sides of AC line. According to the requirements in Section 7 and 13 of ANSI C63.4-2003.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.

### 10.3.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.

### 10.4.Test Data

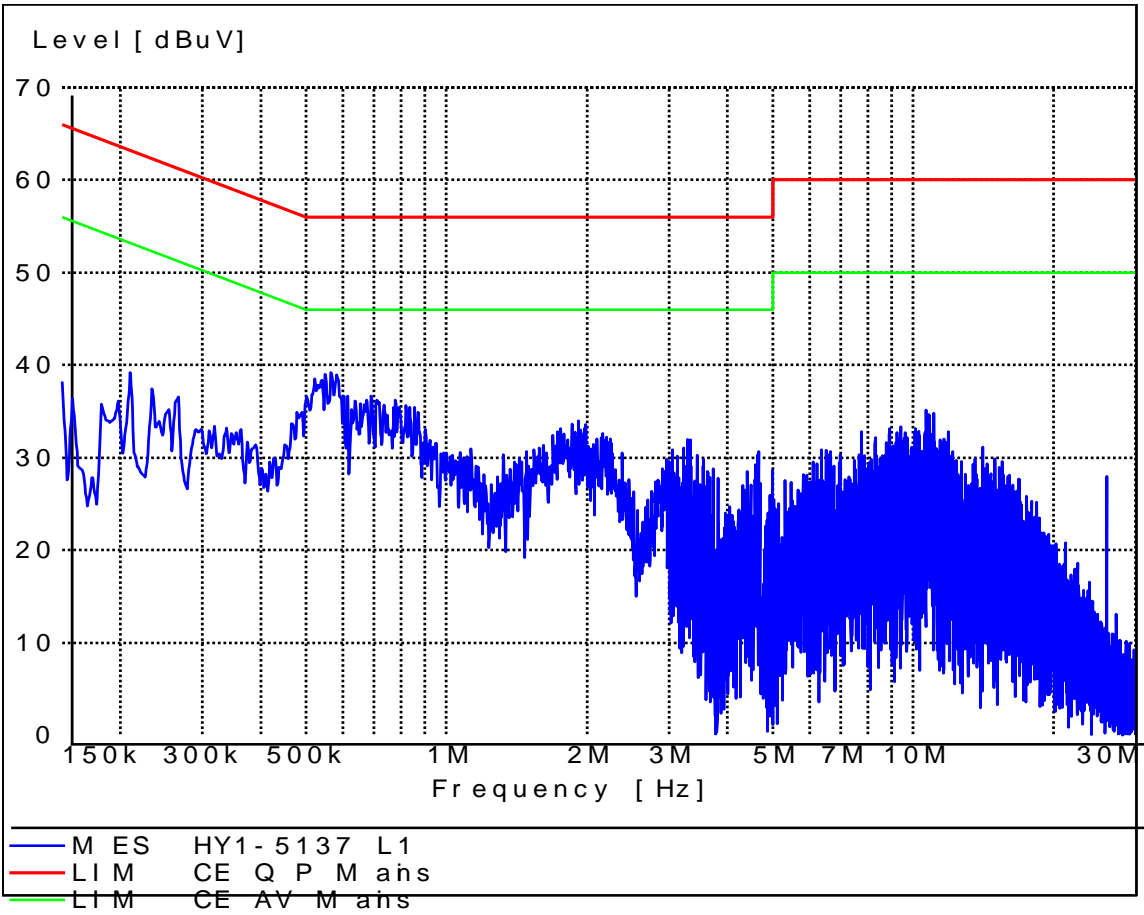
The emissions don't show in below are too low against the limits. Refer to the test curves.

**Table 19 Conducted Disturbance Test Data**

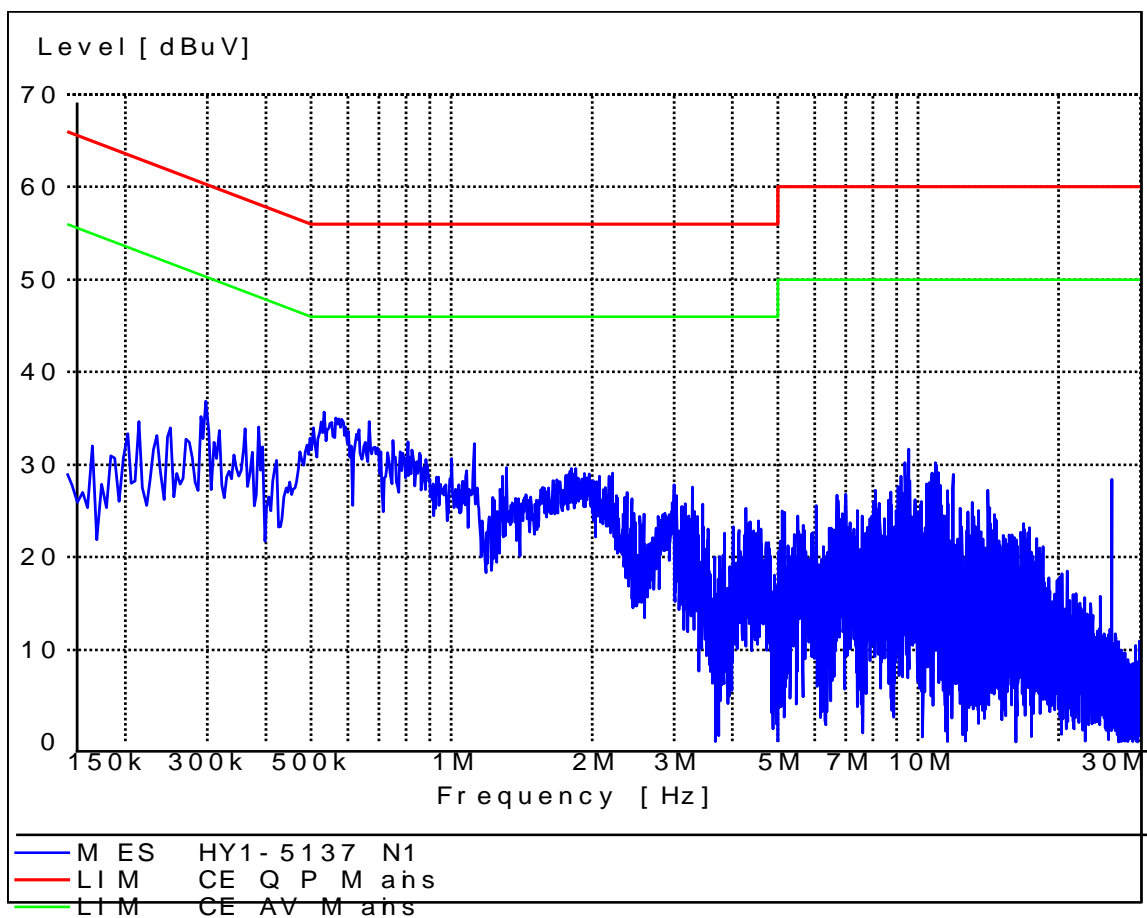
Model No.: HY1-5137								
Test mode: Charging and transmitter								
	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dB $\mu$ V)	Emission Level (dB $\mu$ V)	Limits (dB $\mu$ V)	Reading (dB $\mu$ V)	Emission Level (dB $\mu$ V)	Limits (dB $\mu$ V)
Line	0.162	9.7	27.5	37.2	63.4	18.9	28.6	53.4
	0.218	9.8	26.7	36.5	56	19.5	29.3	46
	0.238	9.9	20.7	30.6	60	15.5	25.4	50
Neutral	0.3	9.7	24.6	34.3	60.2	16.4	26.1	50.2
	0.523	9.8	23.9	33.7	56	14.7	24.5	46
	9.531	10.0	18.1	28.1	60	10.3	20.3	50

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: HY1-5137  
Manufacturer:  
Operating Condition: Charging and transmitter  
Test Site:  
Operator:  
Test Specification: L  
Comment: AC 120V/60Hz



EUT: HY1-5137  
Manufacturer:  
Operating Condition: Charging and transmitter  
Test Site:  
Operator:  
Test Specification: N  
Comment: AC 120V/60Hz



## **11.ANTENNA REQUIREMENTS**

### **11.1.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.

### **11.2.Antenna Connector**

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

### **11.3.Antenna Gain**

The antenna gain of EUT is less than 6 dBi.