

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Operation mode: Test Voltage: Comment: Le Max Wifi 11b CH1

#### **Common Information**

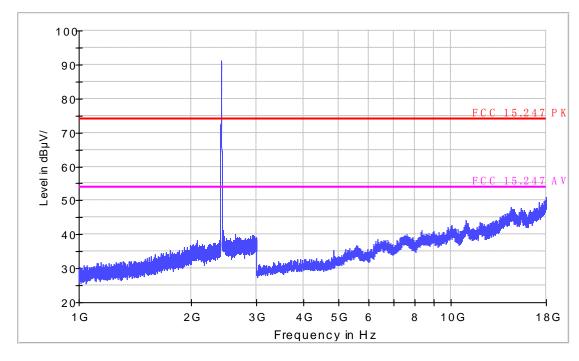
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization:

Vertical

Operator Name: Comment:





1-18G

11b

CH6

### **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH6

Test Voltage: Comment:

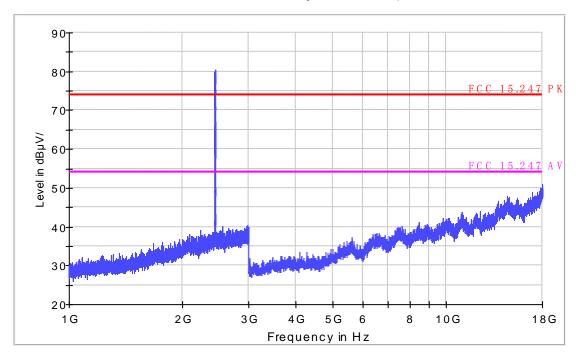
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11b CH6
Test Voltage:

Comment:

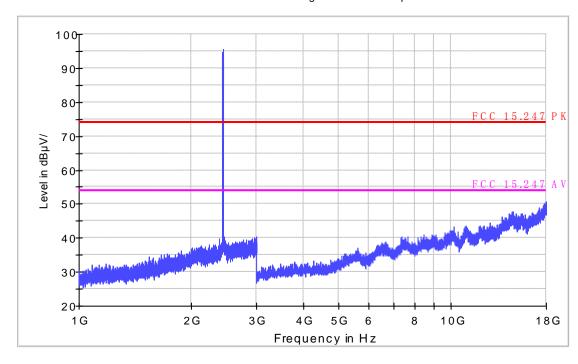
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G

11b

CH11

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11b CH11

Test Voltage: Comment:

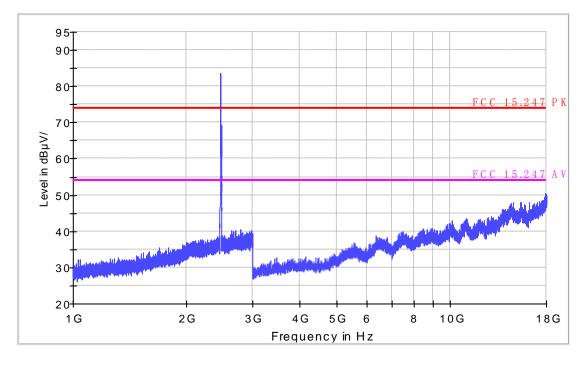
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





### **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11b CH11
Test Voltage:

Comment:

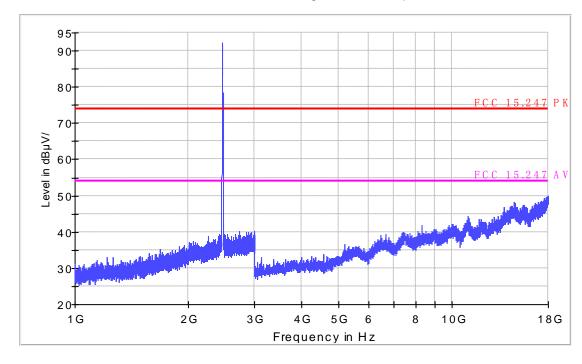
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G

11g

CH1

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH1

Test Voltage: Comment:

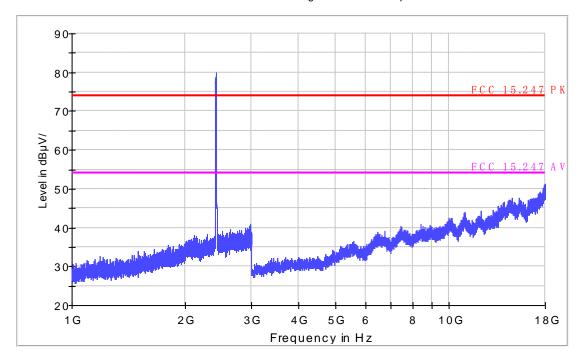
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





### **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH1

Test Voltage: Comment:

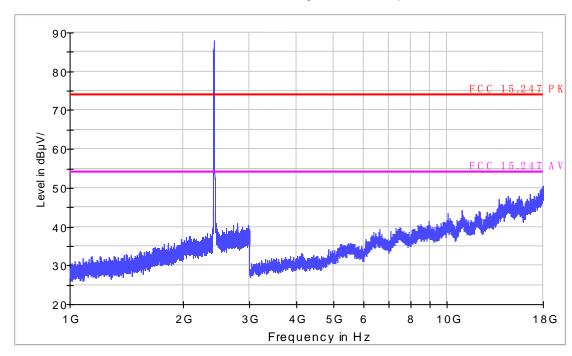
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G

11g

СН6

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH6

Test Voltage: Comment:

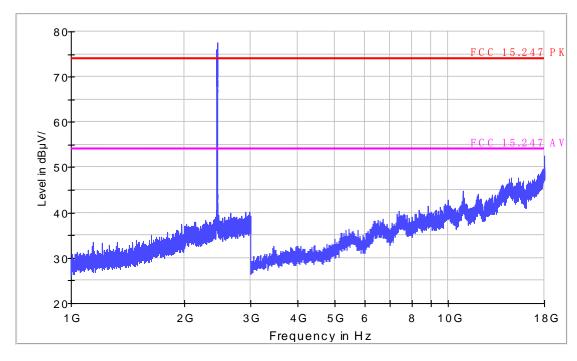
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11g CH6
Test Voltage:

Comment:

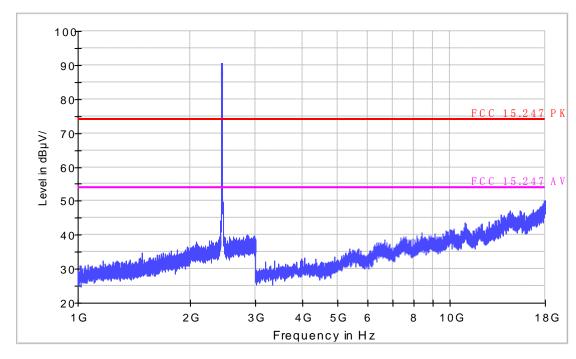
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G

11g

CH11

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH11

Test Voltage: Comment:

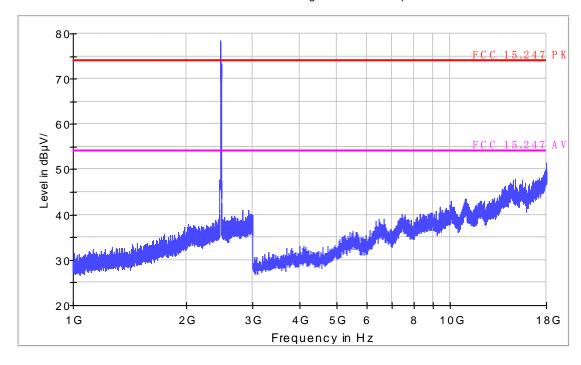
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





### **Radiated Emission**

#### **EUT Information**

EUT Model Name:
Operation mode:
Test Voltage:

Le Max Wifi 11g CH11

#### **Common Information**

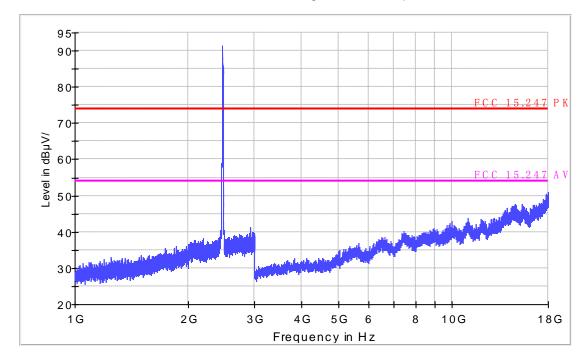
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:

Comment:





1-18G 11n-HT20

CH1

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n HT20 CH1

Test Voltage: Comment:

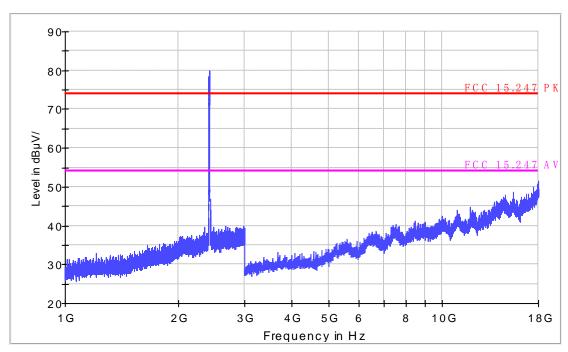
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Operation mode:

Le Max Wifi 11n HT20 CH1

Test Voltage: Comment:

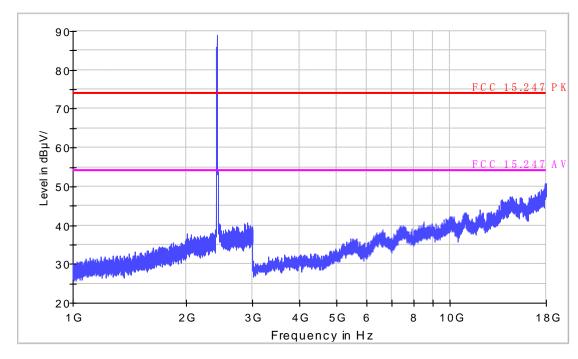
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G 11n-HT20

CH6

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n HT20 CH6

Test Voltage: Comment:

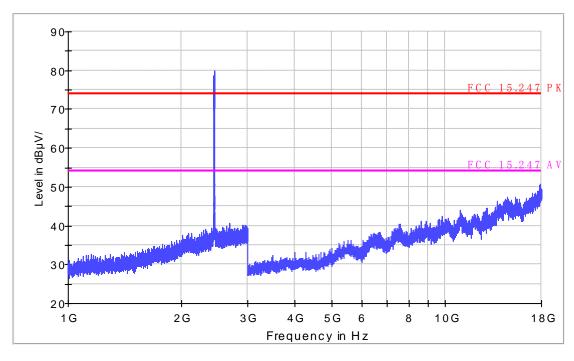
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n HT20 CH6

Test Voltage: Comment:

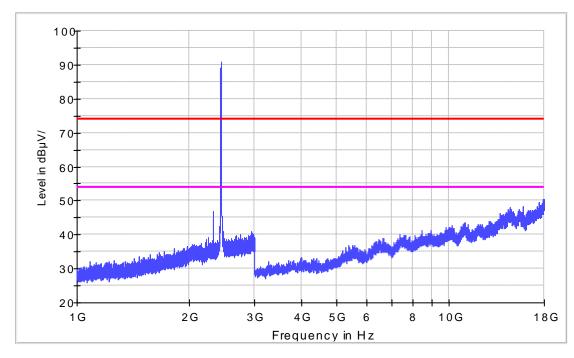
### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G 11n-HT20 CH11

## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n HT20 CH11

Test Voltage: Comment:

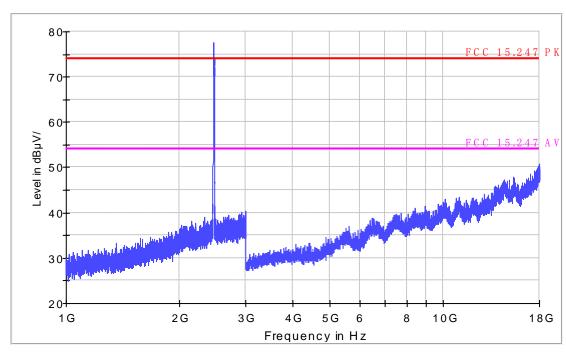
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n HT20 CH11

Test Voltage: Comment:

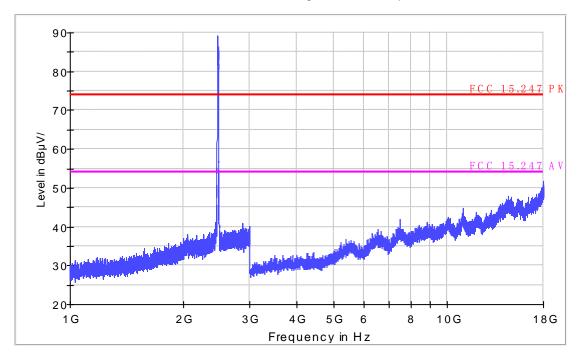
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization:

Vertical

Operator Name: Comment:





1-18G 11n-HT40 CH3

## **Radiated Emission**

#### **EUT Information**

**EUT Model Name:** 

Le Max

Operation mode:

Wifi 11n HT40 CH3

Test Voltage: Comment:

#### **Common Information**

Test Site:

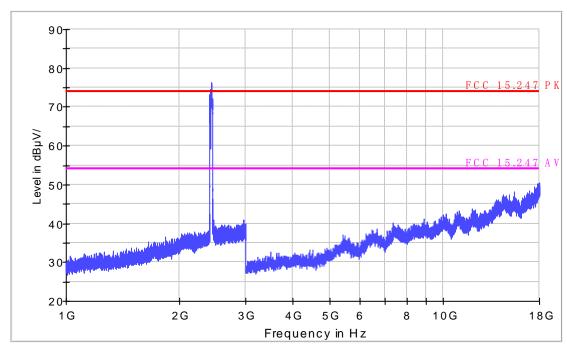
SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization:

Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Operation mode:

Le Max Wifi 11n HT40 CH3

Test Voltage: Comment:

### **Common Information**

Test Site: SMQ EMC Lab.

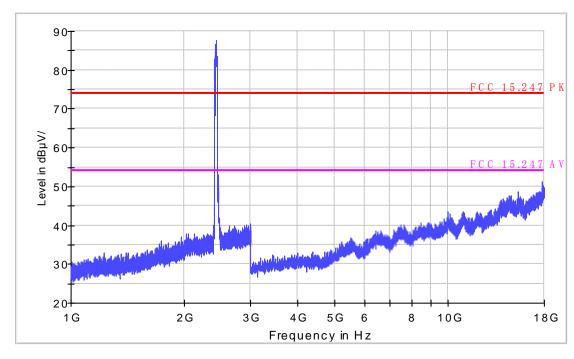
Environment Conditions:

Vertical

Antenna Polarization:

Comment:

Operator Name:





1-18G 11n-HT40 CH6

## **Radiated Emission**

#### **EUT Information**

EUT Model Name:

Le Max

Operation mode:

Wifi 11n HT40 CH6

Test Voltage: Comment:

#### **Common Information**

Test Site:

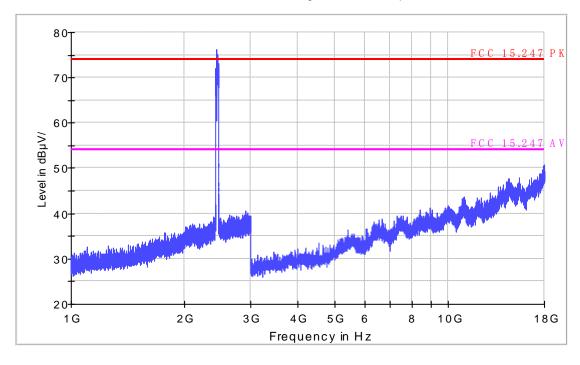
SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization:

Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n HT40 CH6

Test Voltage: Comment:

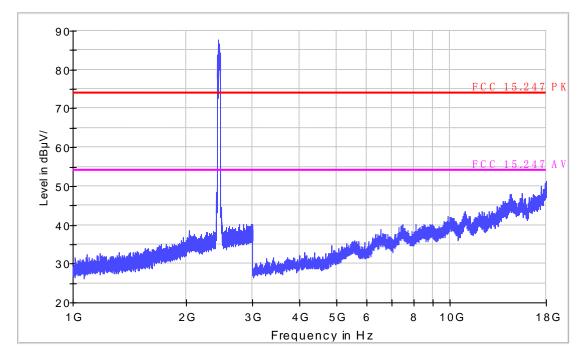
### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:





1-18G 11n-HT40 CH9

## **Radiated Emission**

#### **EUT Information**

EUT Model Name:

Le Max

Operation mode:

Wifi 11n HT40 CH9

Test Voltage: Comment:

#### **Common Information**

Test Site:

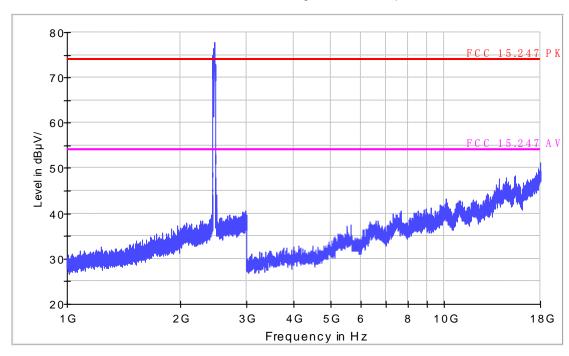
SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization:

Horizontal

Operator Name: Comment:





## **Radiated Emission**

#### **EUT Information**

EUT Model Name:

Le Max

Operation mode:

Wifi 11n HT40 CH9

Test Voltage: Comment:

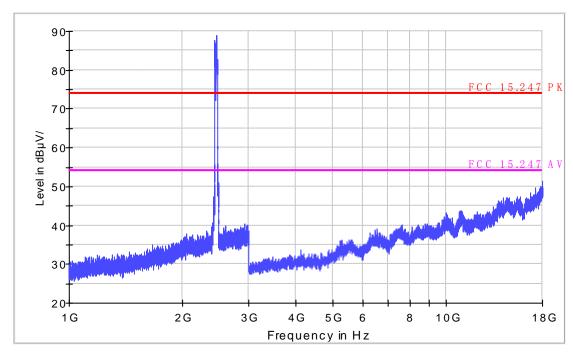
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:

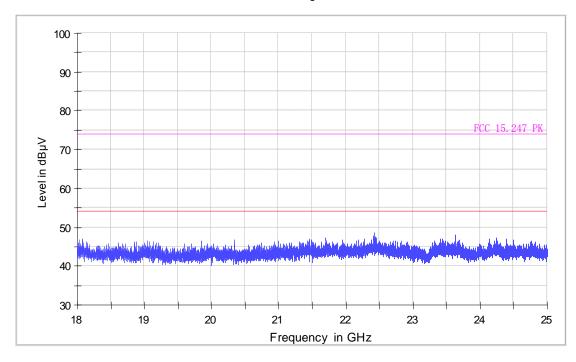




18-26.5GHz No Peak found in pre-scan, only worst case result is listed in this report.

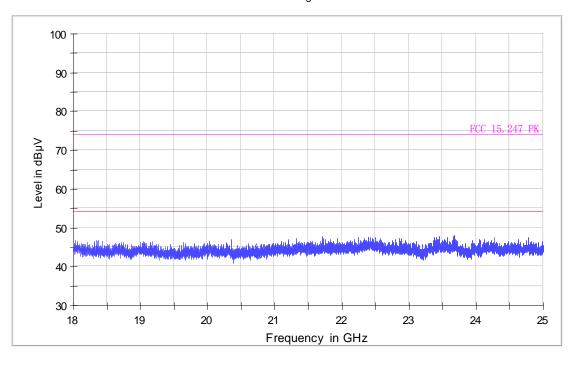
#### Horizontal

FCC Electric Field Strength 18-26.5GHz



#### Vertical

#### FCC Electric Field Strength 18-26.5GHz





Band edge

11b

CH1

## **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11b CH1

Test Voltage: Comment:

#### **Common Information**

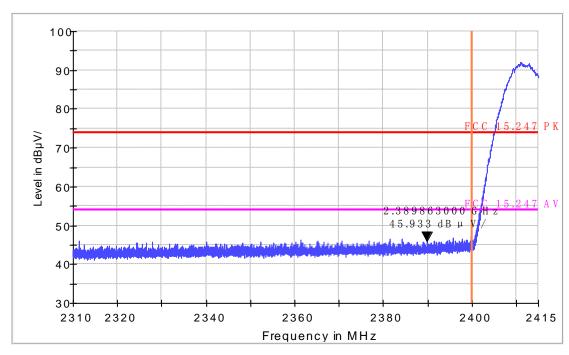
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-PK





## **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH1

Test Voltage: Comment:

#### **Common Information**

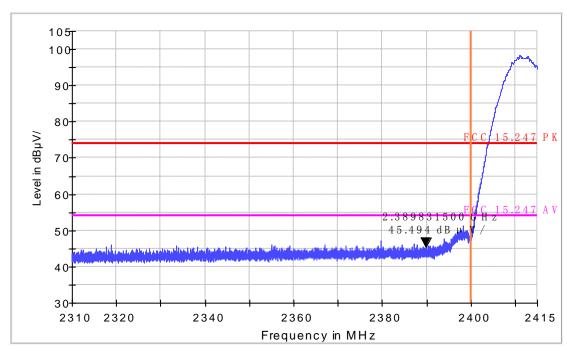
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-PK





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11b CH1

Test Voltage: Comment:

#### **Common Information**

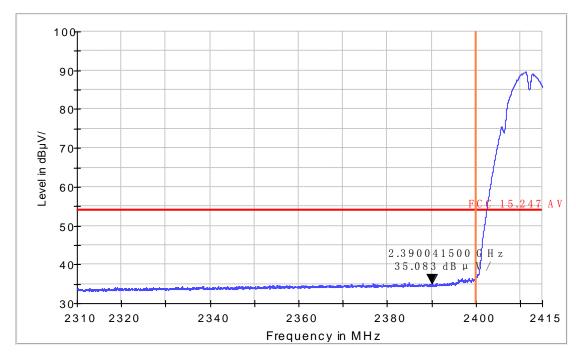
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-AV





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH1

Test Voltage: Comment:

#### **Common Information**

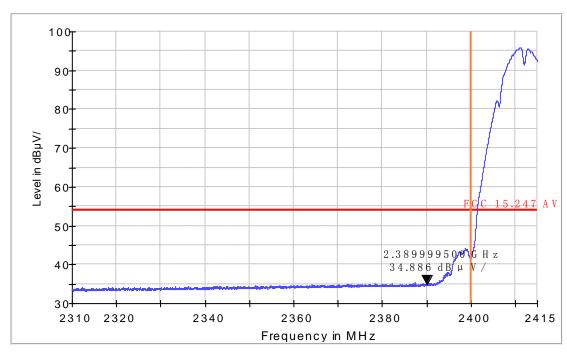
Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-AV





Band edge

11g CH1

# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH1

Test Voltage: Comment:

#### **Common Information**

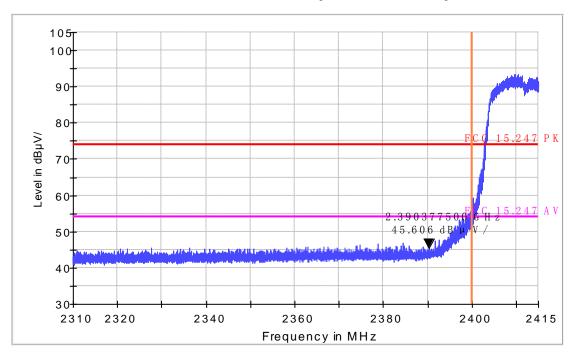
Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-PK





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11g CH1
Test Voltage:

Comment:

#### **Common Information**

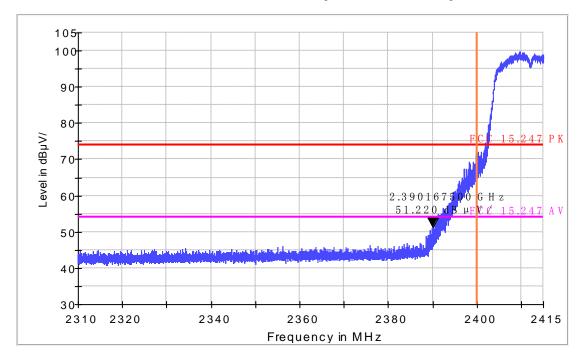
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-PK





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11g CH1
Test Voltage:

Comment:

#### **Common Information**

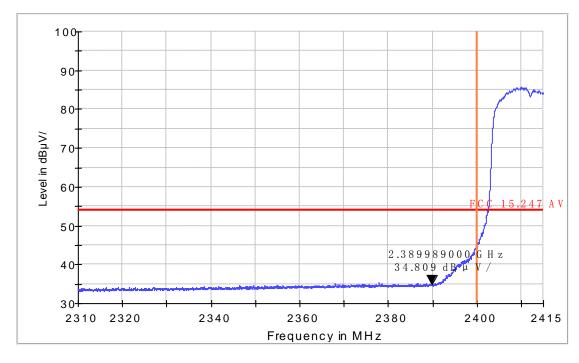
Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-AV





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11g CH1
Test Voltage:

Test Voltage Comment:

#### **Common Information**

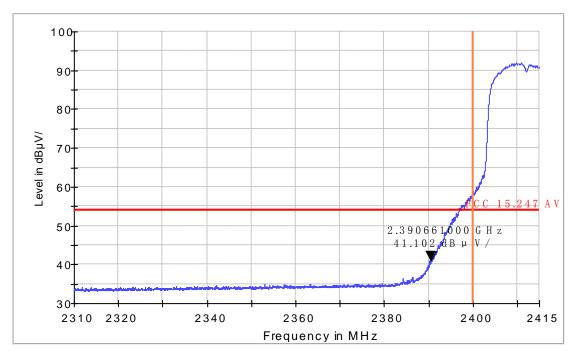
Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-AV



TÜV

11n-HT20 CH1

## **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max
Operation mode: Wifi 11n20 CH1

Test Voltage: Comment:

#### **Common Information**

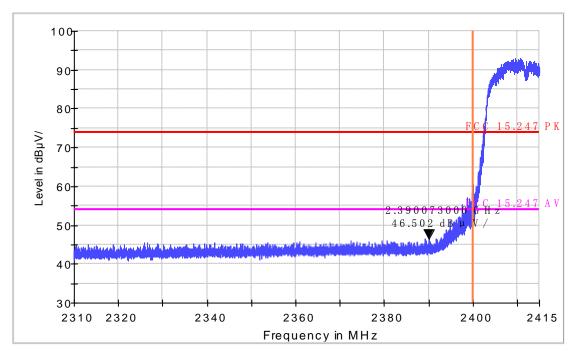
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:

#### FCC Electric Field Strength 2.4GHz Bandedge-PK





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11n20 CH1

Test Voltage: Comment:

### **Common Information**

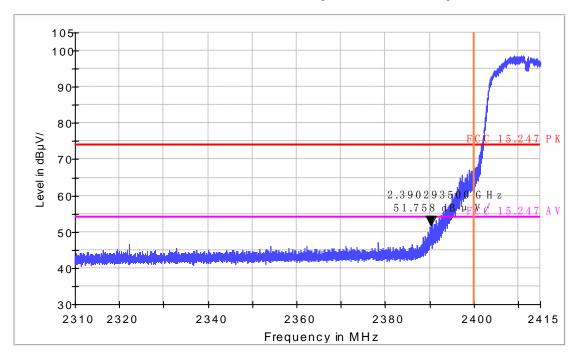
Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-PK





## **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Operation mode:

Le Max Wifi 11n20 CH1

Test Voltage: Comment:

### **Common Information**

Test Site: SMQ EMC Lab.

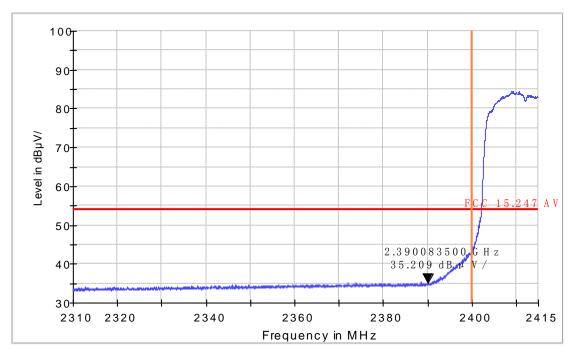
**Environment Conditions:** 

Antenna Polarization:

Operator Name: Comment:

Horizontal

FCC Electric Field Strength 2.4GHz Bandedge-AV





## **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Operation mode:

Le Max Wifi 11n20 CH1

Test Voltage: Comment:

#### **Common Information**

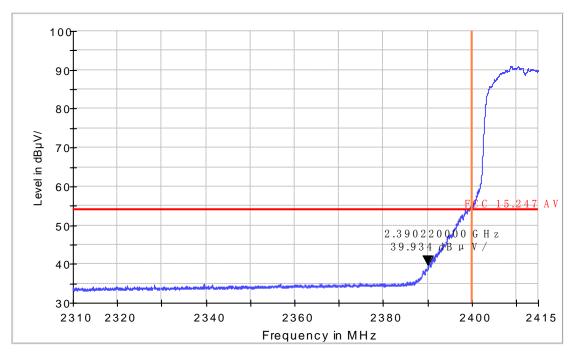
Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 2.4GHz Bandedge-AV





Band edge 11n-HT40 CH3

### **Radiated Bandedge**

#### **EUT Information**

EUT Model Name:
Operation mode:
Test Voltage:

Le Max Wifi 11n40 CH3

Test Voltage: Comment:

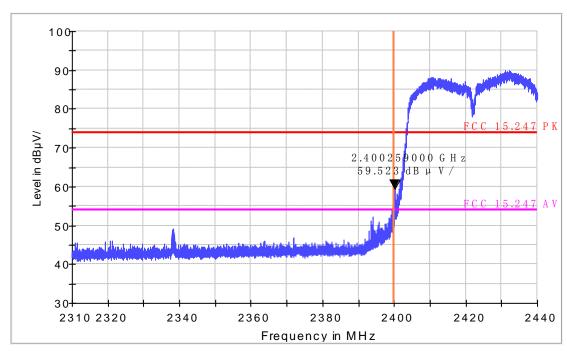
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Operation mode:

Le Max Wifi 11n40 CH3

Test Voltage: Comment:

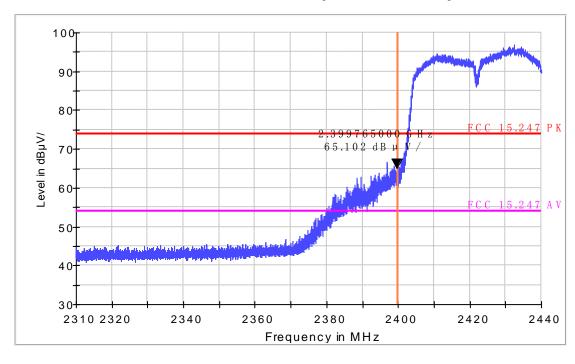
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Operation mode: Le Max Wifi 11n40 CH3

Test Voltage: Comment:

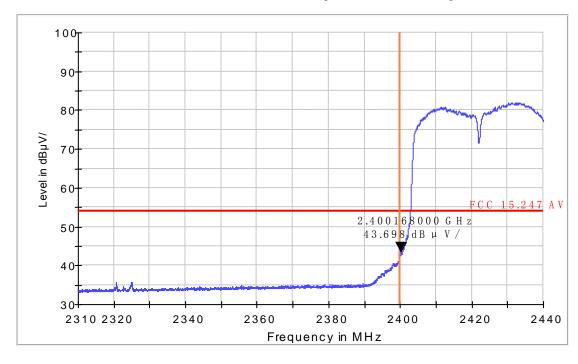
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Operation mode: Le Max Wifi 11n40 CH3

Test Voltage: Comment:

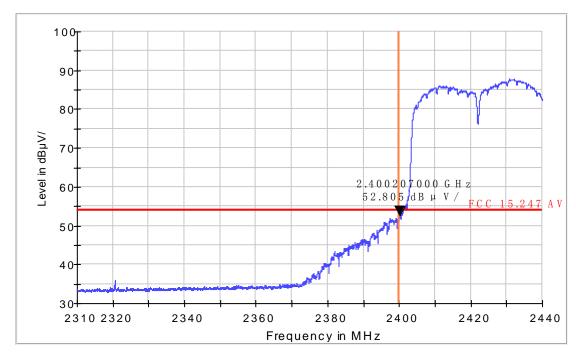
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Vertical

Operator Name: Comment:





Band edge

11b CH11

### **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH11

Test Voltage: Comment:

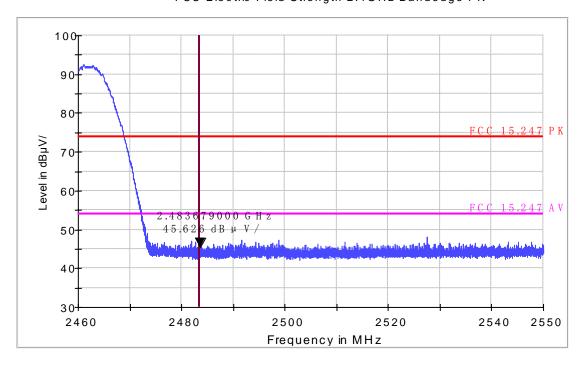
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH11

Test Voltage: Comment:

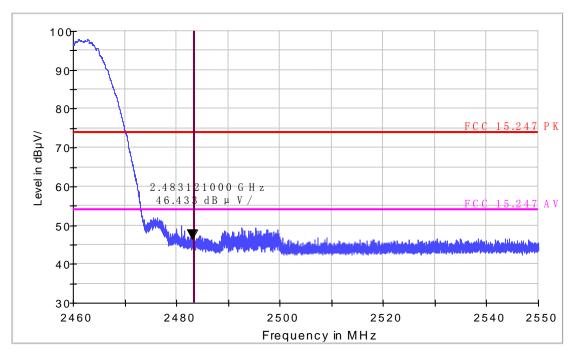
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH11

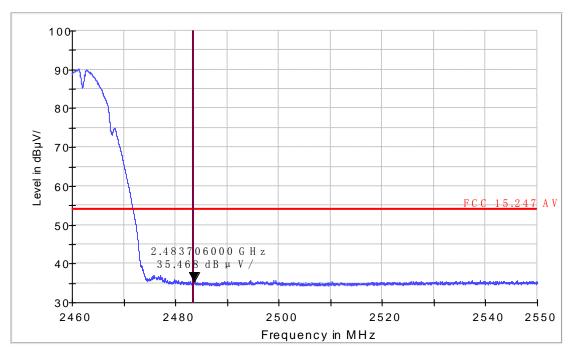
Test Voltage: Comment:

#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization:
Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11b CH11

Test Voltage: Comment:

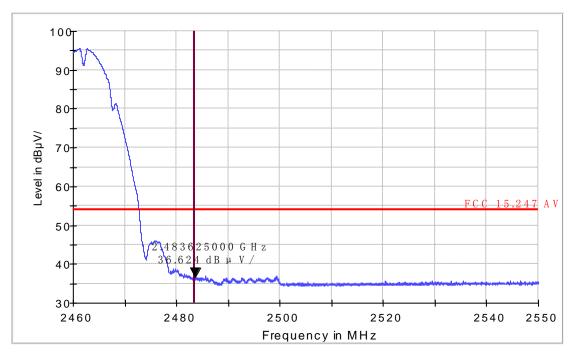
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization:

Vertical

Operator Name: Comment:



TÜV

Band edge

11g CH11

### **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH11

Test Voltage: Comment:

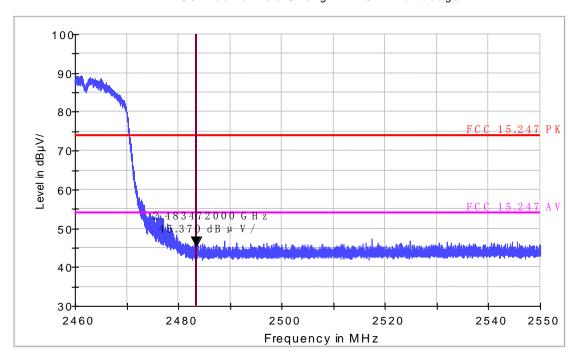
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH11

Test Voltage: Comment:

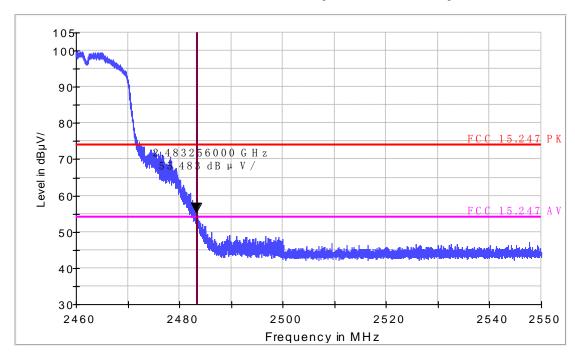
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization:

Vertical

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH11

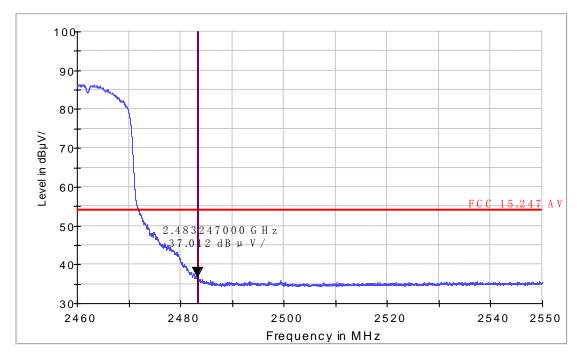
Test Voltage: Comment:

#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11g CH11

Test Voltage: Comment:

#### **Common Information**

Test Site: SMQ EMC Lab.

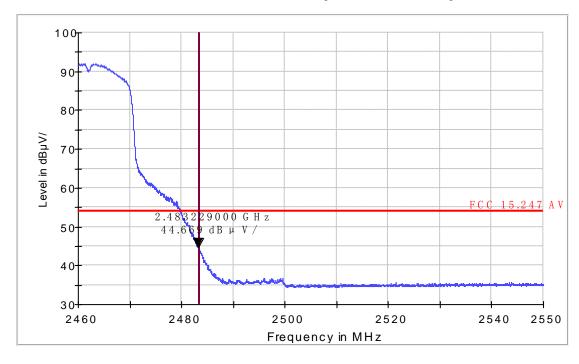
Environment Conditions:
Antenna Polarization:

Verti

Operator Name:

Vertical

Comment:





Band edge 11n-HT20 CH11

### **Radiated Bandedge**

#### **EUT Information**

EUT Model Name:

Le Max Wifi 11n20 CH11

Operation mode: Test Voltage:

Test Voltage: Comment:

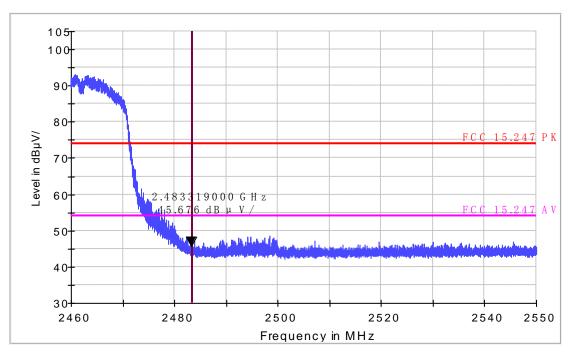
### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n20 CH11

Test Voltage: Comment:

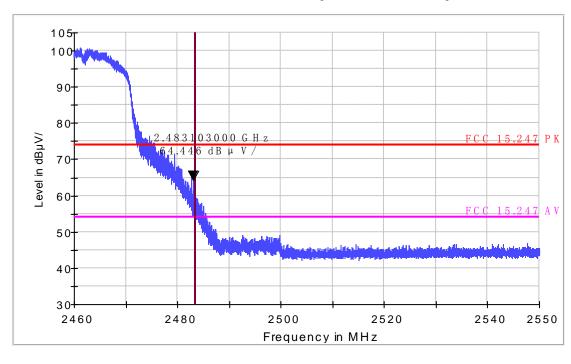
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization:

Vertical

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n20 CH11

Test Voltage: Comment:

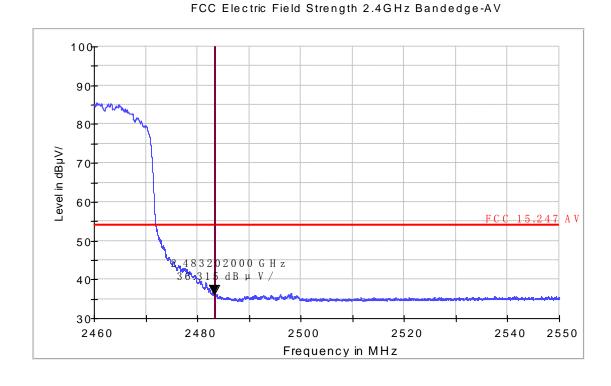
#### **Common Information**

Test Site: SMQ EMC Lab.

Horizontal

Environment Conditions:

Antenna Polarization: Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max

Operation mode: Wifi 11n20 CH11

Test Voltage: Comment:

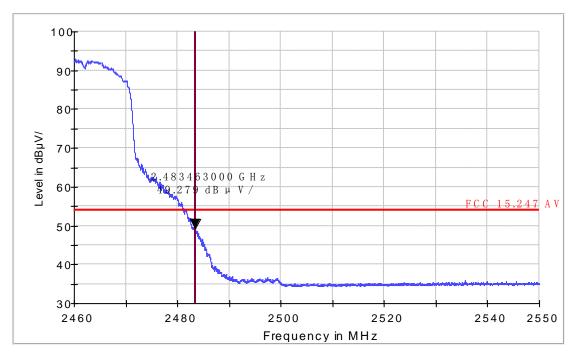
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:
Antenna Polarization:

Vertical

Operator Name: Comment:





Band edge 11n-HT40 CH9

### **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Max Operation mode: Wifi 11n40 CH9

Test Voltage: Comment:

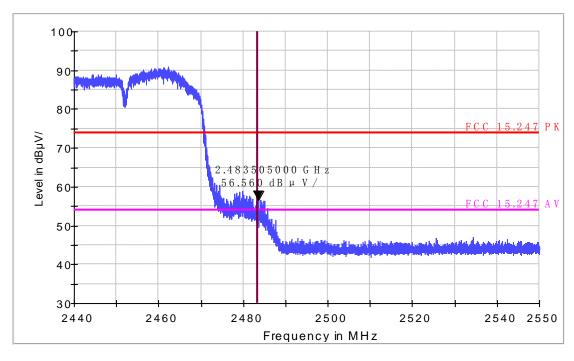
#### **Common Information**

Test Site: SMQ EMC Lab.

**Environment Conditions:** 

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le Operation mode: Wif

Test Voltage:
Comment:

Le Max Wifi 11n40 CH9

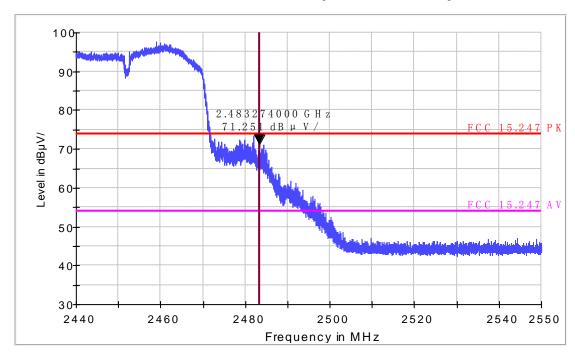
### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Operation mode: Le Max Wifi 11n40 CH9

Test Voltage: Comment:

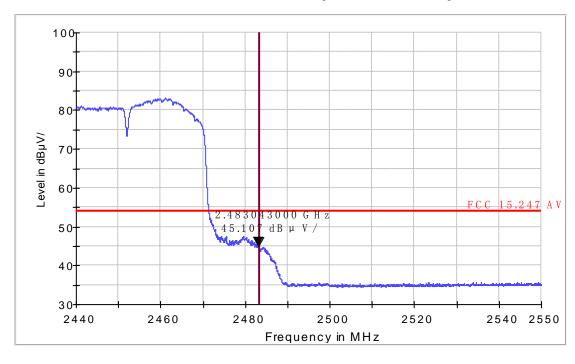
#### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Horizontal

Operator Name: Comment:





# **Radiated Bandedge**

#### **EUT Information**

EUT Model Name: Le M Operation mode: Wife

Test Voltage: Comment: Le Max Wifi 11n40 CH9

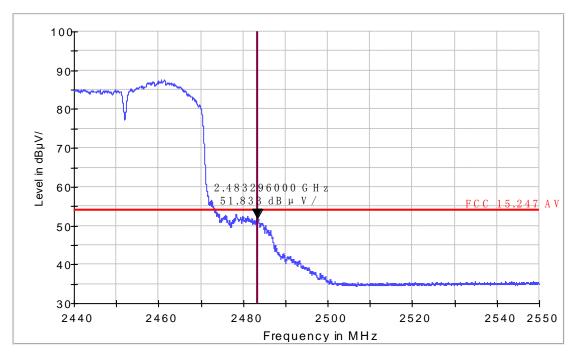
### **Common Information**

Test Site: SMQ EMC Lab.

Environment Conditions:

Antenna Polarization: Vertical

Operator Name: Comment:





### **10 Test Equipment List**

#### **List of Test Instruments**

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB2603	EMI Test Receiver	Rohde & Schwarz	ESCS30	Dec.19, 2014	1 Year
SB3321	AMN	Rohde & Schwarz	ESH2-Z5	Jan.18, 2015	1 Year
SB2604	AMN	Rohde & Schwarz	ESH3-Z5	Nov.18, 2015	1 Year
	Radiated Emissions Cable set	HUBER+SUHN ER		Jan.19, 2015	1 Year
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Mar.19, 2015	1 Year
SB8501/04	Bilog Antenna	Schwarzbeck	VULB9163	Mar.19, 2015	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Jan.19, 2015	1 Year
SB5392/02	Horn Antenna	Amplifier Research	AT4560	May.15,2015	1 Year
SB3450/01	3m Semi-anechoic chamber	Albatross Projects	9X6X6	Oct.09, 2014	2 Years
SB3345	Loop Antenna	Schwarzbeck	FMZB1516	Jan.20, 2015	2 Years
SB3437	Power meter	Rohde & Schwarz	NRVD	Jul.03, 2015	1 Year
SB3437/01	Power sensor	Rohde & Schwarz	URV5-Z2	Jul.03, 2015	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	Jan.05, 2015	1 Year
	Radiated Emissions Cable set	HUBER+SUHN ER		Jan.19, 2015	1 Year
	Radiated Emissions Cable set	HUBER+SUHN ER		Jan.19, 2015	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Mar.27, 2015	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	Mar.27, 2015	1 Year
SB9059	Preamplifier	Rohde & Schwarz	SCU-40	May.12,2015	1 Year



### 11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

**System Measurement Uncertainty** 

Items	Extended Uncertainty			
Uncertainty for Conducted Emission 150kHz-30MHz	3.50dB			
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	4.5dB			
Uncertainty for Radiated Emission in 3m chamber 1000MHz-26500MHz	4.6dB			
Uncertainty for Conducted RF test	Power level test involved: 2.04dB Frequency test involved:1.1×10 <sup>-7</sup>			