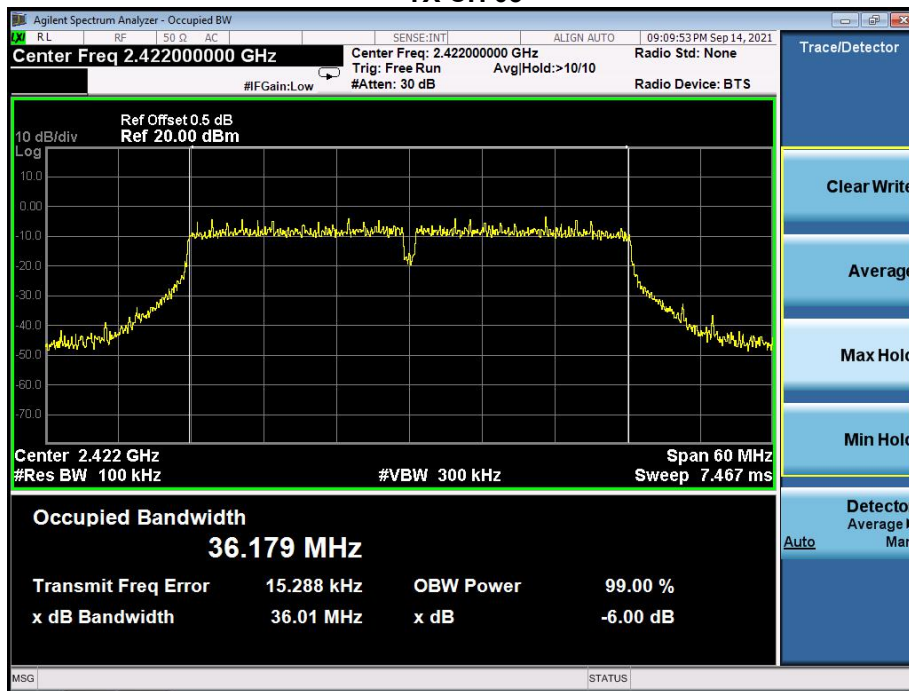
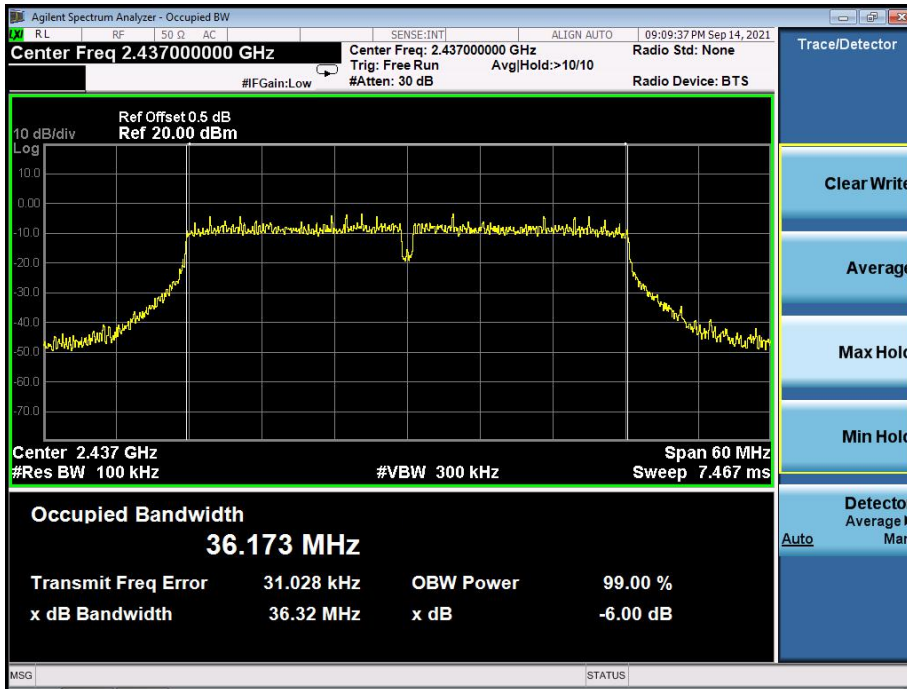
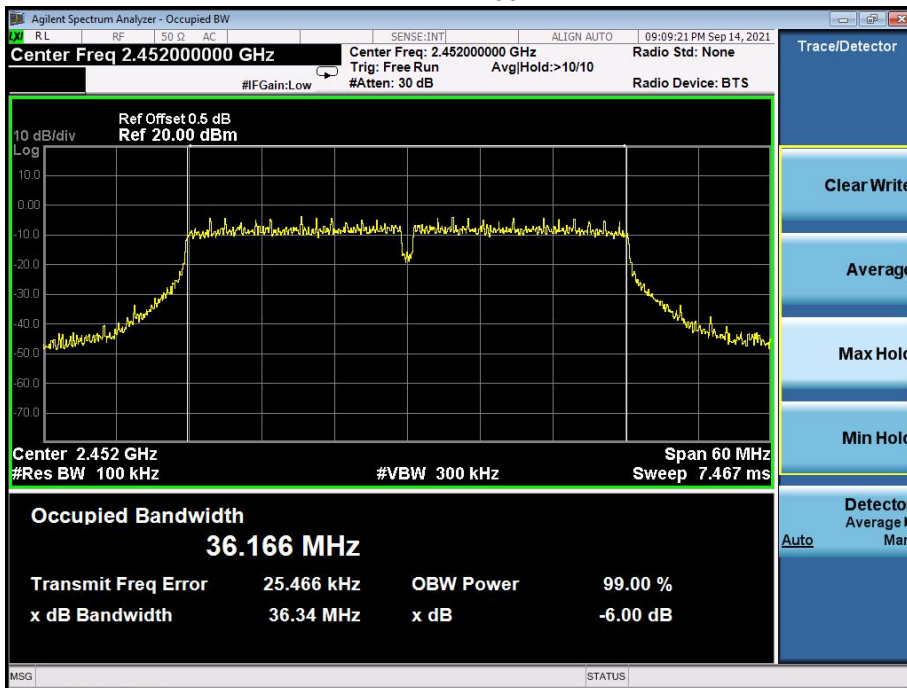


Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 12V
Test Mode :	TX n Mode(40M)		

Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
2422	36.01	500	Pass
2437	36.32	500	Pass
2452	36.34	500	Pass

**TX CH 03**


**TX CH 06**

**TX CH 09**


## 11. Peak Output Power Test

### 11.1 Block Diagram Of Test Setup



### 11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	30dBm	2400-2483.5	PASS

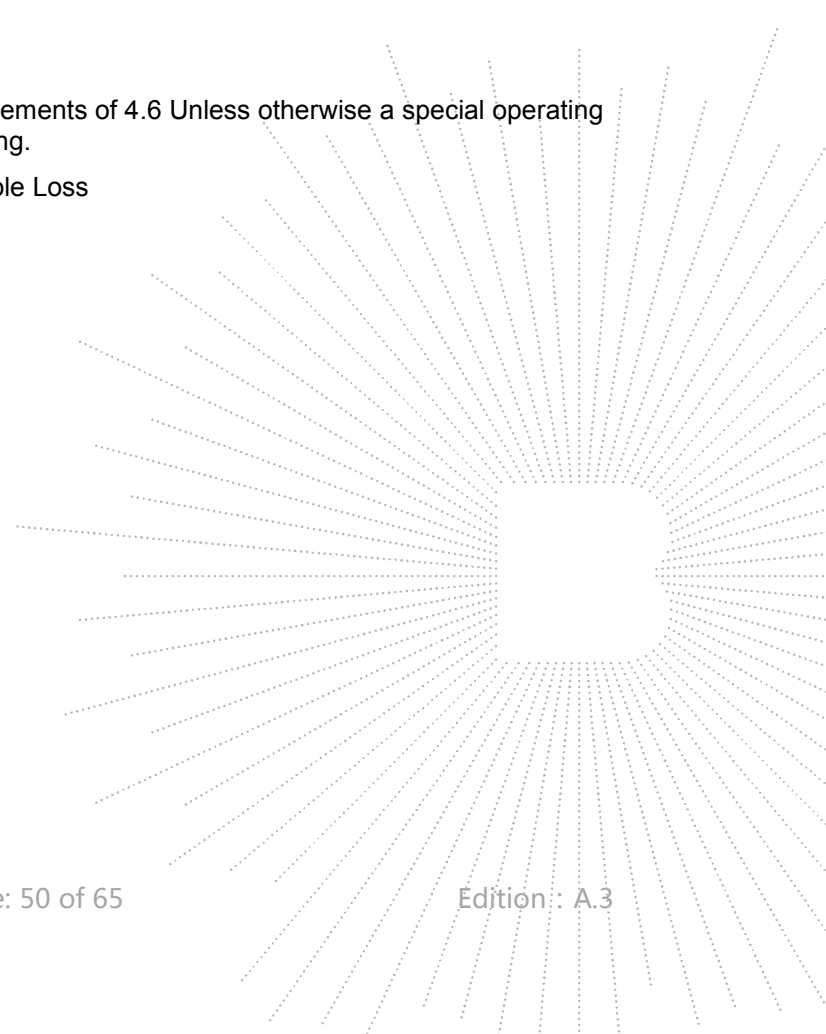
### 11.3 Test Procedure

- a. The EUT was directly connected to the Power meter

### 11.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

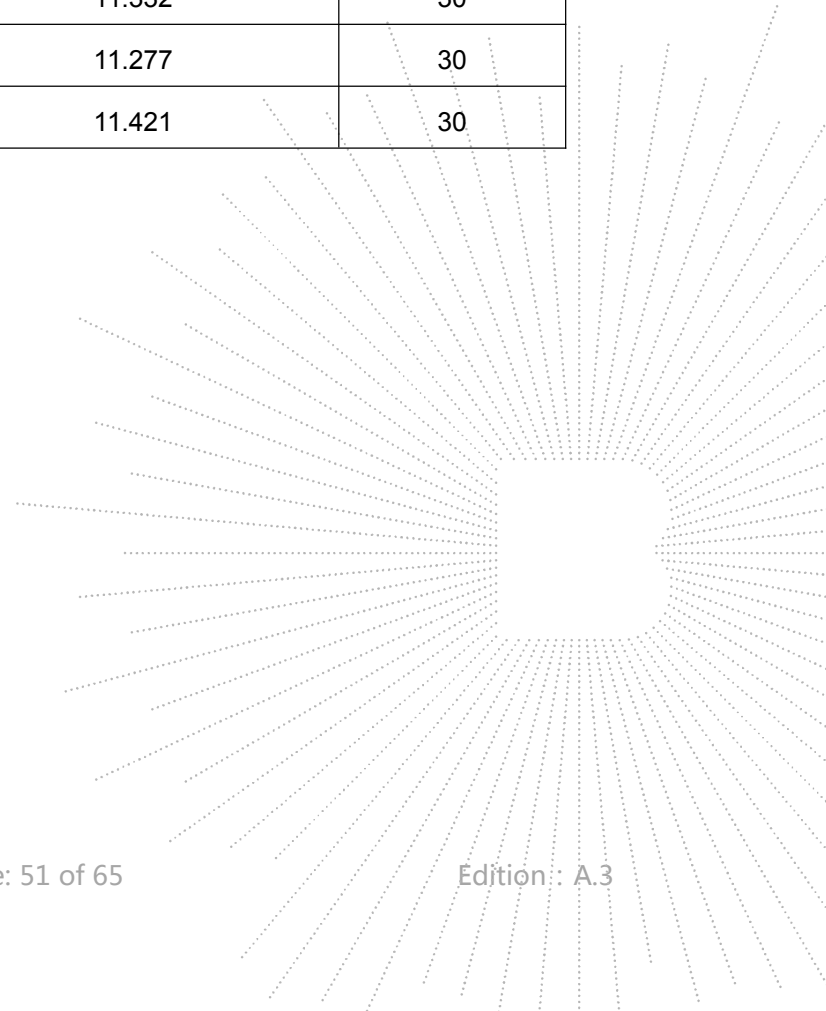
Note: Power Spectral Density(dBm)=Reading+Cable Loss



## 11.5 Test Result

Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 12V

	Frequency	Maximum Conducted Output Power(PK)	LIMIT
	(MHz)	(dBm)	dBm
802.11b	2412	13.887	30
	2437	14.619	30
	2462	14.628	30
802.11g	2412	13.449	30
	2437	13.576	30
	2462	13.442	30
802.11n20	2412	12.183	30
	2437	12.373	30
	2462	12.161	30
802.11n40	2422	11.332	30
	2437	11.277	30
	2452	11.421	30



## 12. 100 Khz Bandwidth Of Frequency Band Edge

### 12.1 Block Diagram Of Test Setup



### 12.2 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

### 12.3 Test Procedure

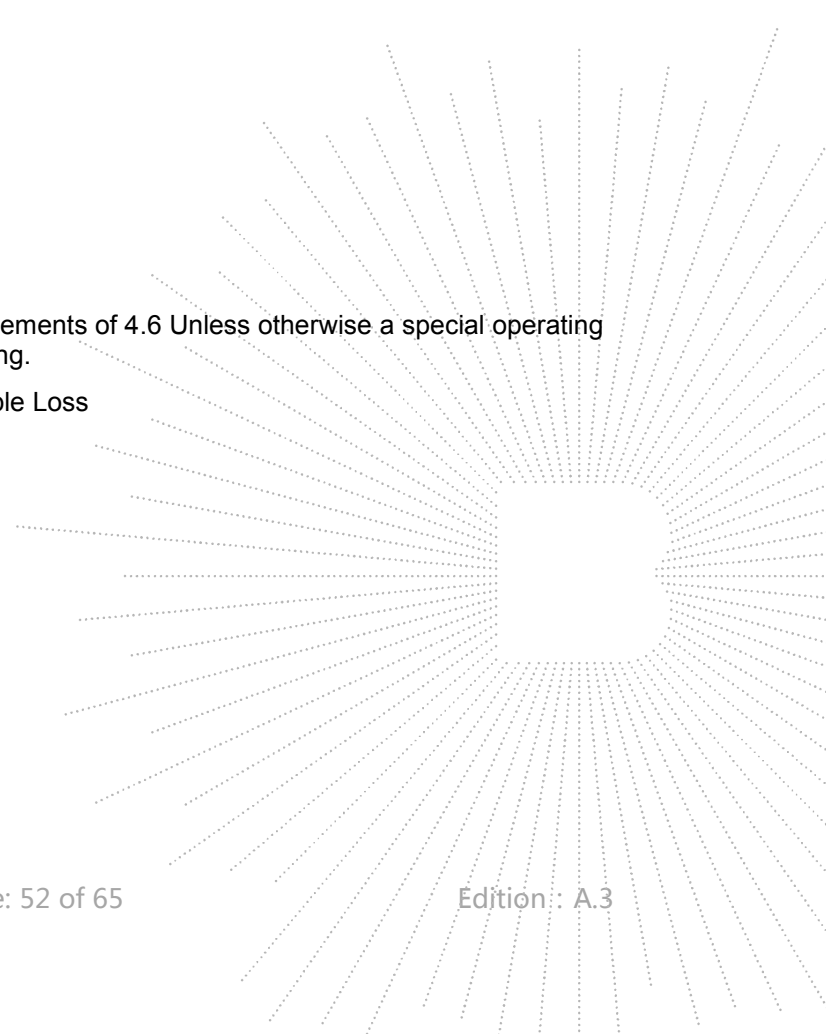
Using the following spectrum analyzer setting:

- Set the RBW = 100KHz.
- Set the VBW = 300KHz.
- Sweep time = auto couple.
- Detector function = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize..

### 12.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

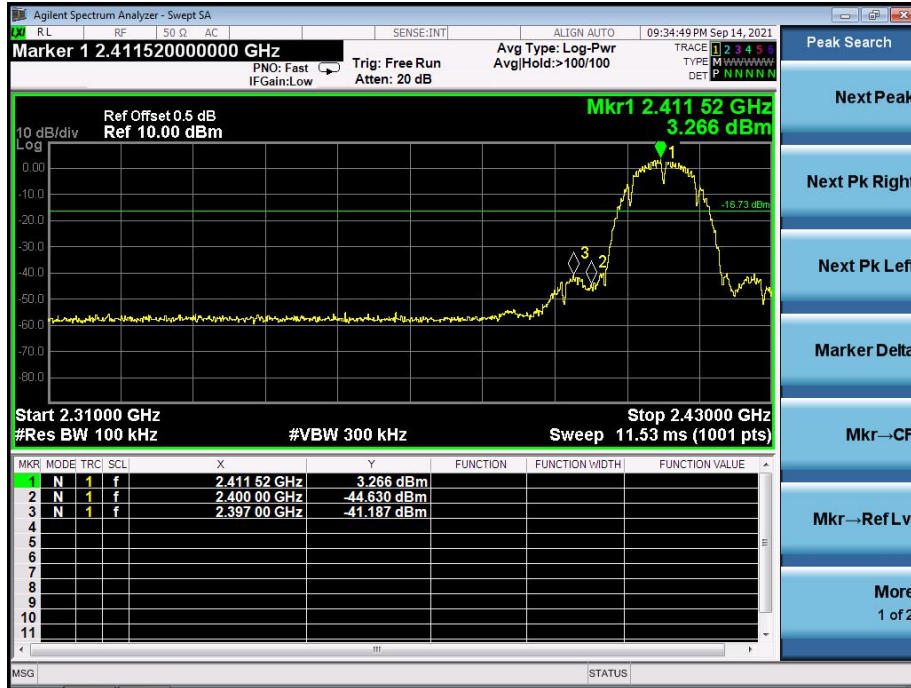
Note: Power Spectral Density(dBm)=Reading+Cable Loss



## 12.5 Test Result

Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 12V

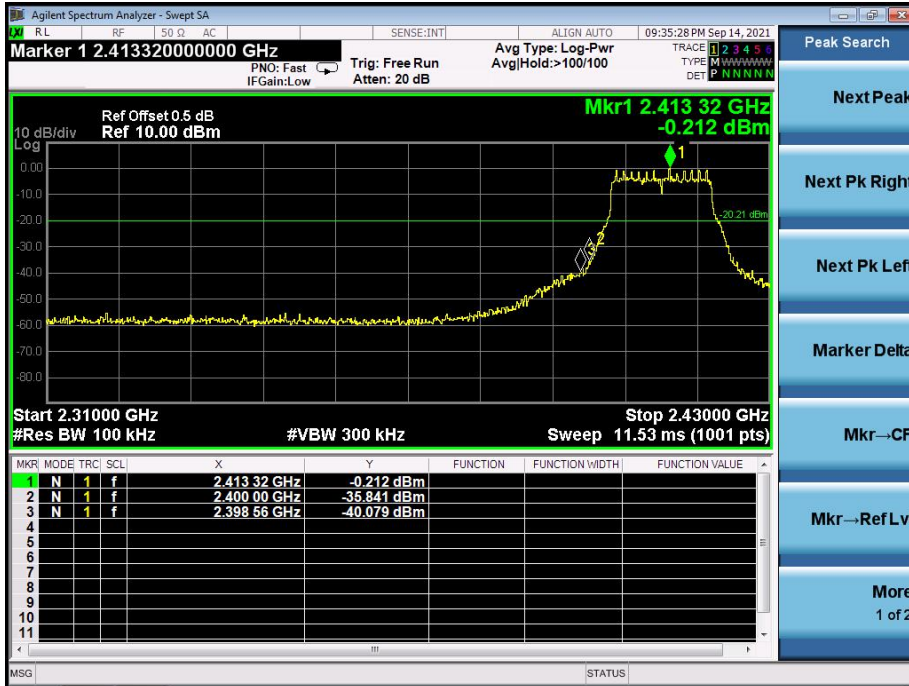
802.11b: Band Edge, Left Side



802.11b: Band Edge, Right Side



802.11g: Band Edge, Left Side



802.11g: Band Edge, Right Side



## 802.11n-HT20: Band Edge, Left Side



## 802.11n-HT20: Band Edge, Right Side

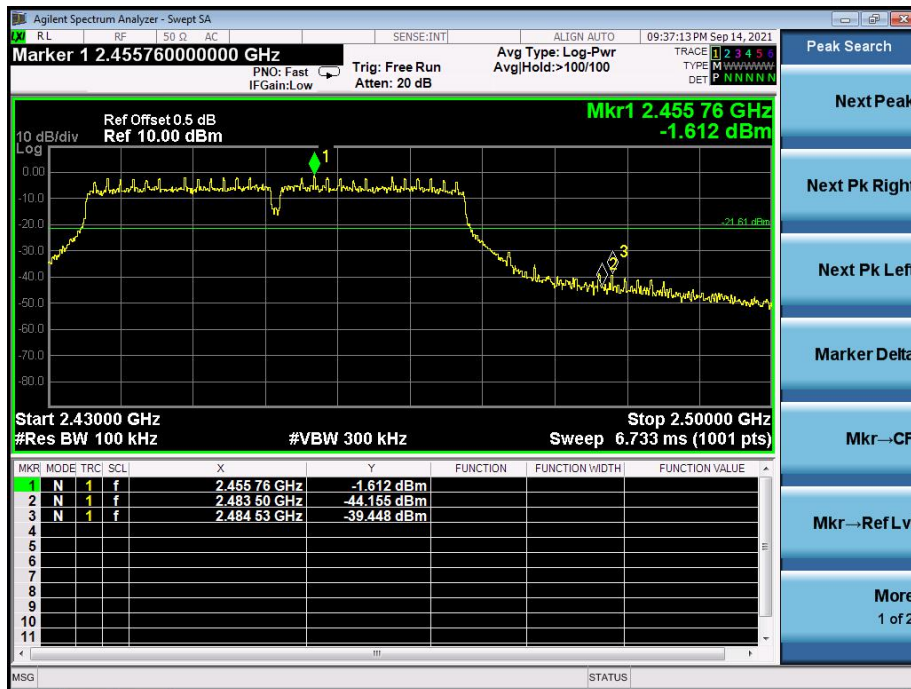




## 802.11n-HT40: Band Edge, Left Side



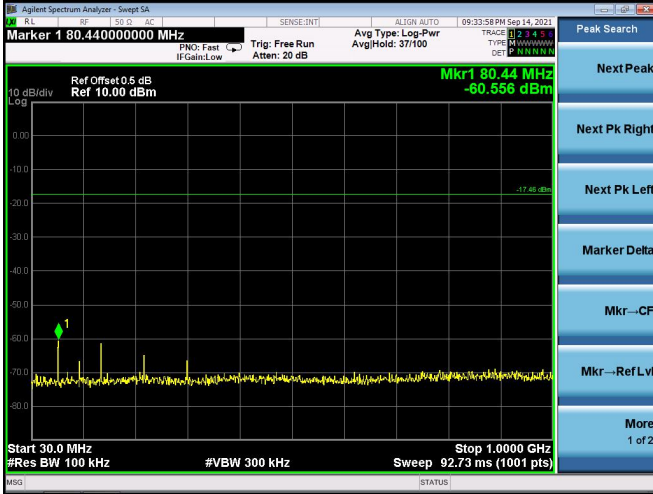
## 802.11n-HT40: Band Edge, Right Side



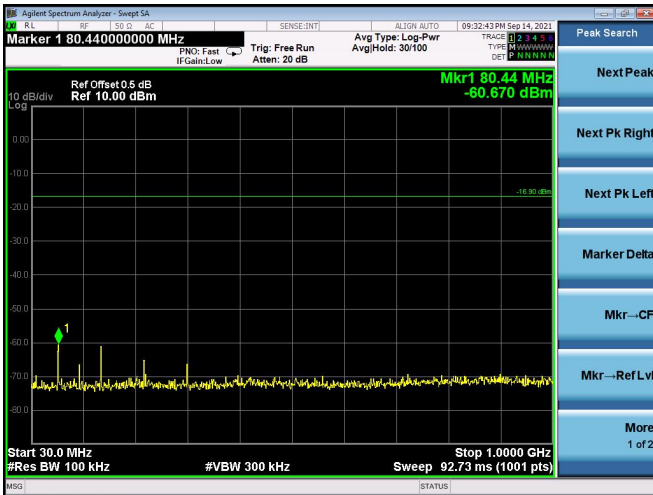
## CONDUCTED EMISSION MEASUREMENT

802.11b

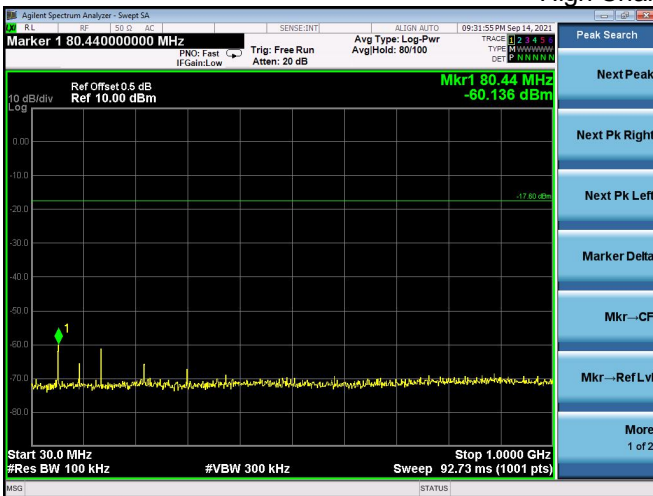
## Low Channel 2412MHz



## Middle Channel 2437MHz

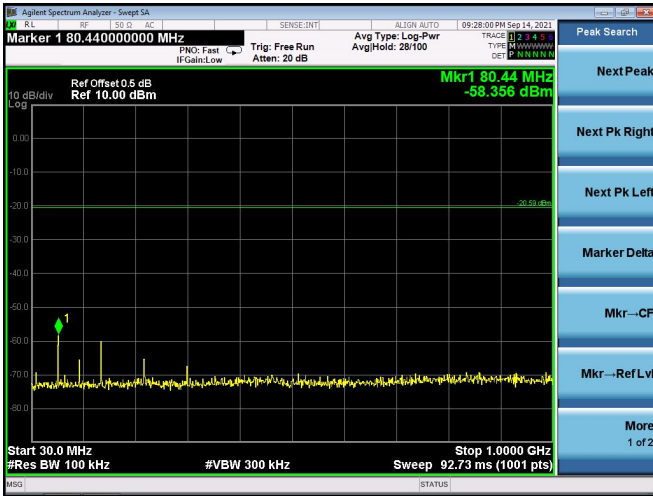


## High Channel 2462MHz

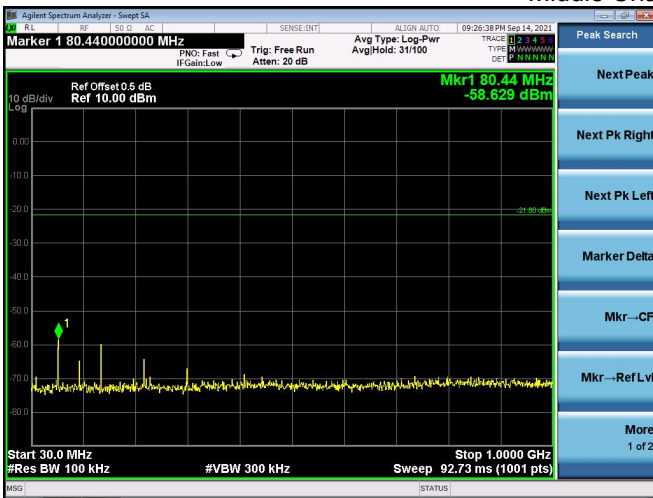


802.11g

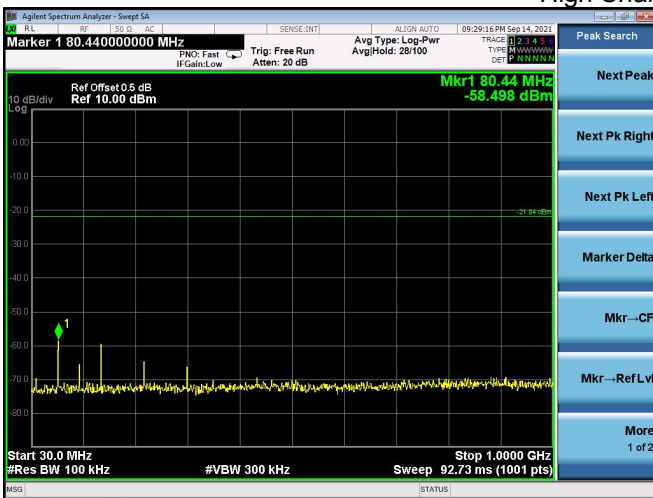
## Low Channel 2412MHz



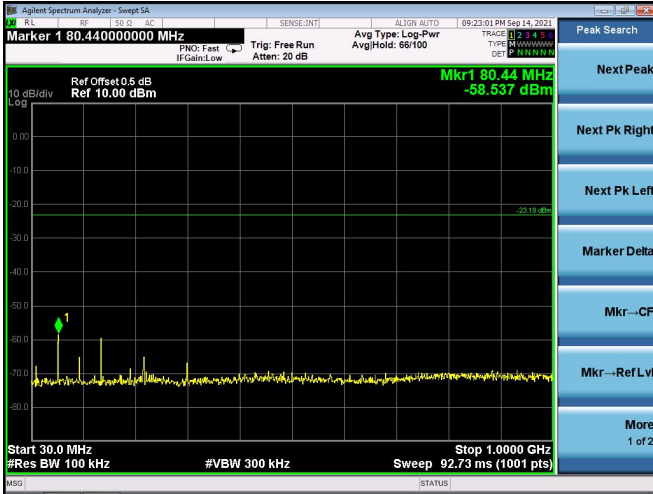
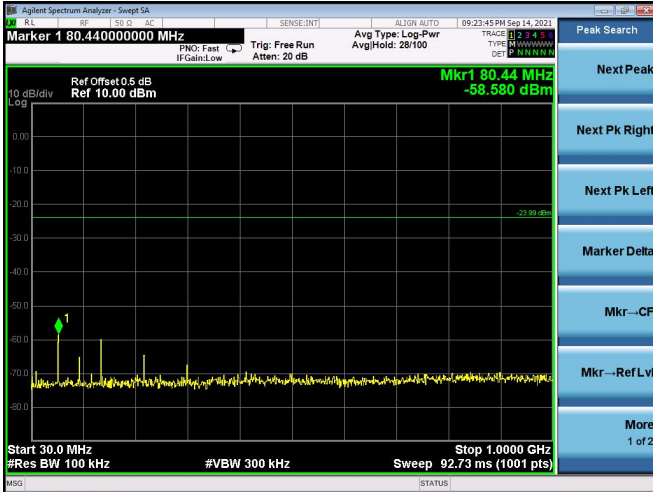
## Middle Channel 2437MHz



## High Channel 2462MHz



802.11n20

**Low Channel 2412MHz**

**Middle Channel 2437MHz**

**High Channel 2462MHz**
