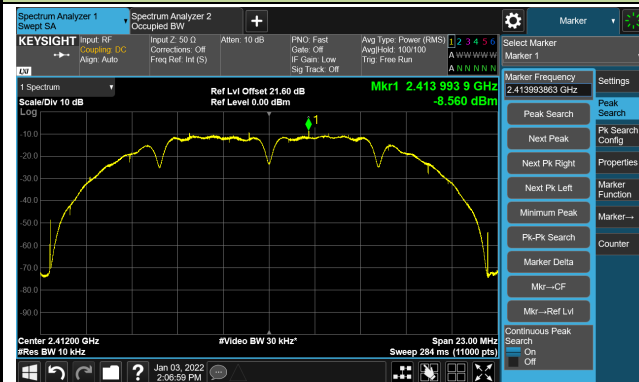
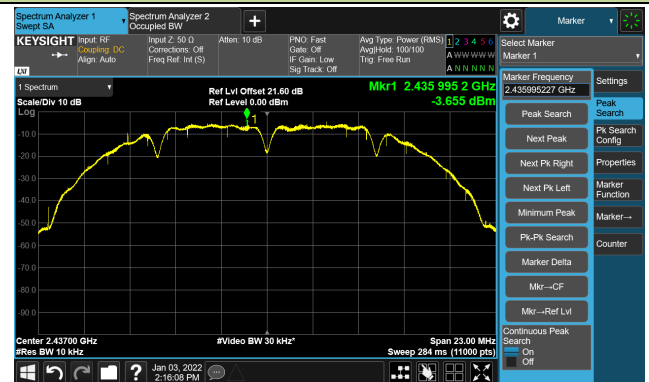


## 802.11b AVGPDS -Ant 0

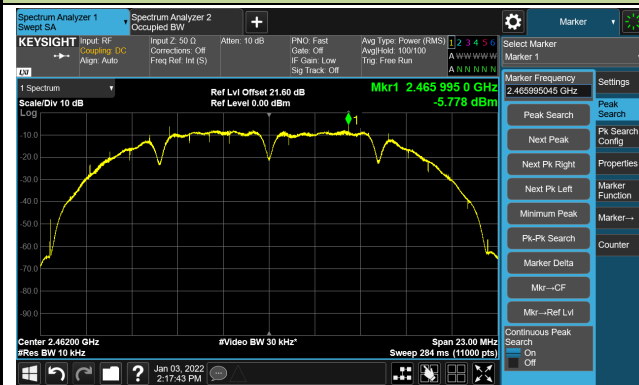
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

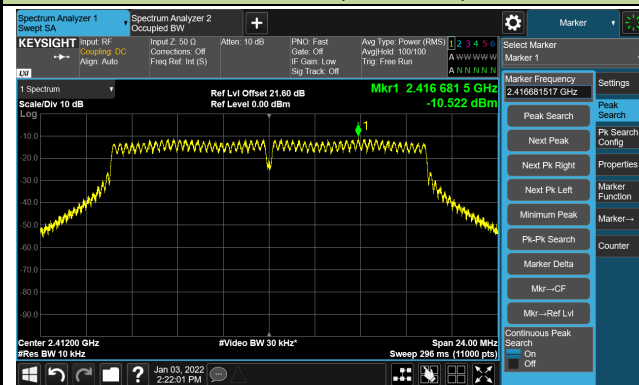


## Channel 11 (2462MHz)

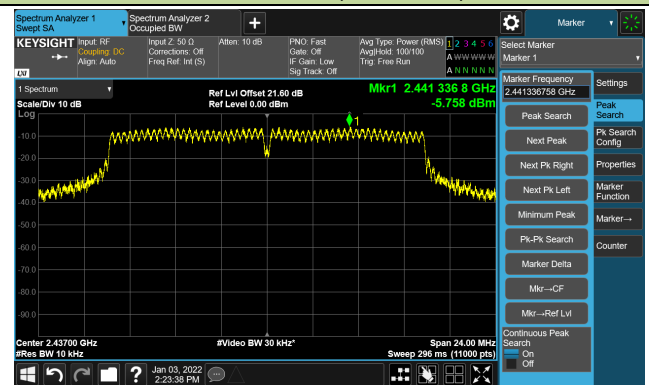


## 802.11g - AVGPDS-Ant 0

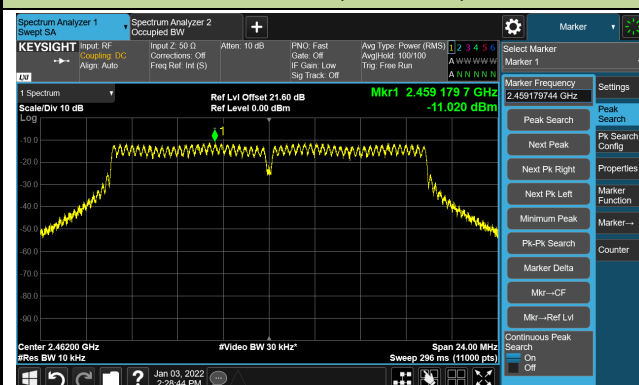
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

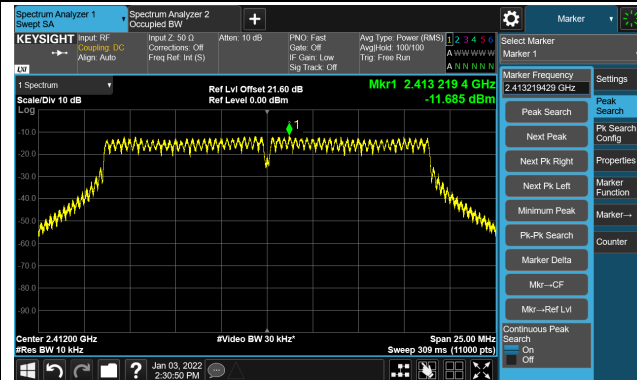


## Channel 11 (2462MHz)

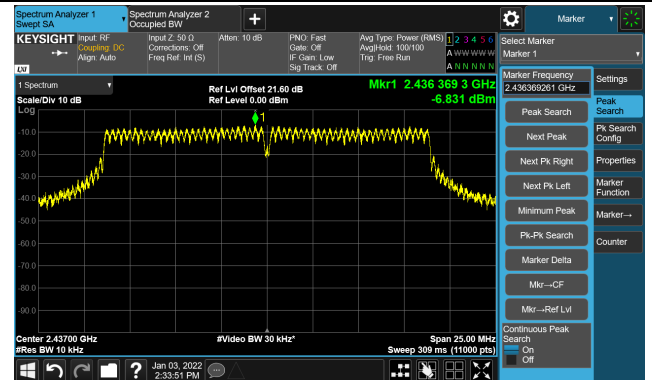


## 802.11n-HT20 – AVGPSD -Ant 0

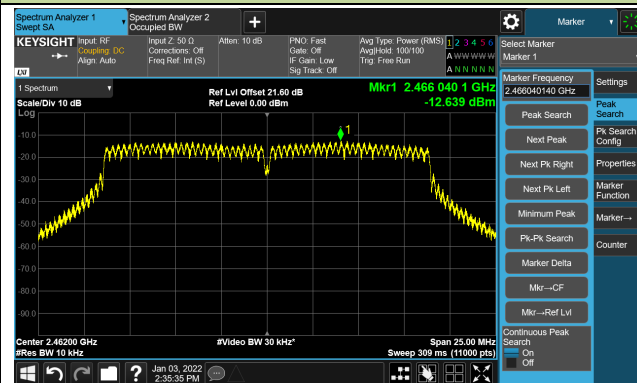
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

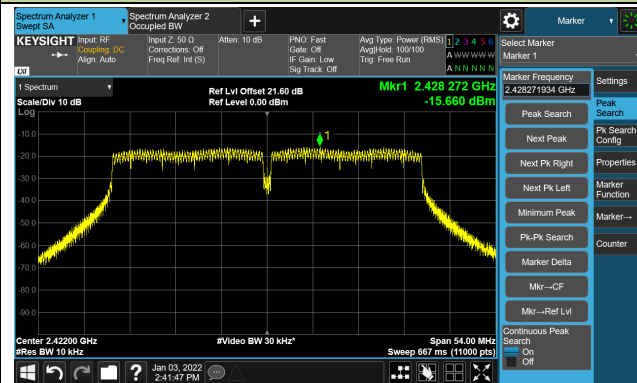


## Channel 11 (2462MHz)

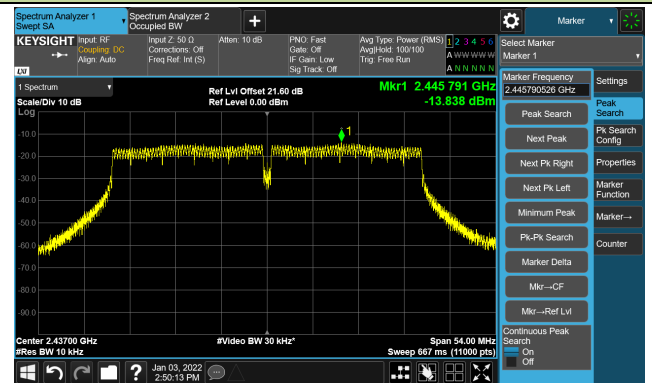


## 802.11n-HT40 – AVGPSD -Ant 0

## Channel 03 (2422MHz)



## Channel 06 (2437MHz)

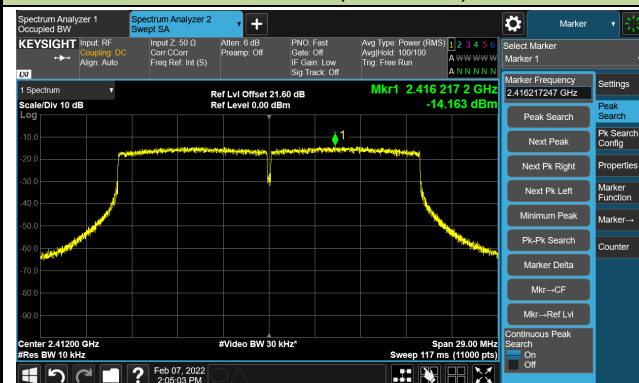


## Channel 09 (2452MHz)

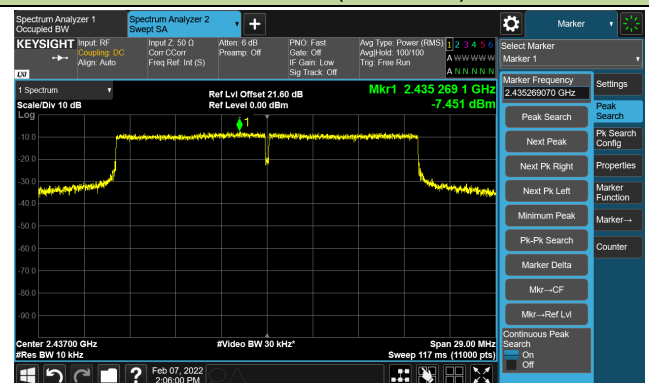


## 802.11ax-HE20 – AVGPSPD -Ant 0

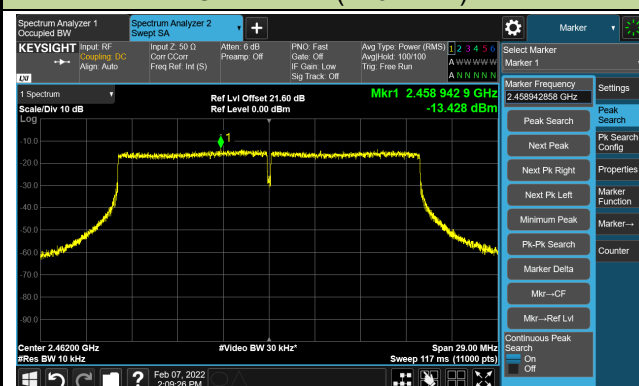
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

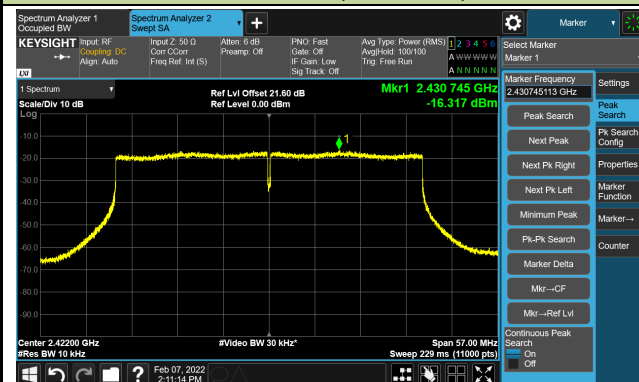


## Channel 11 (2462MHz)

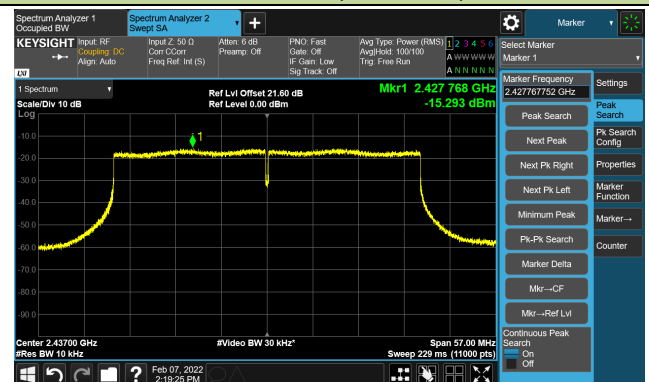


## 802.11ax-HE40 – AVGPSPD -Ant 0

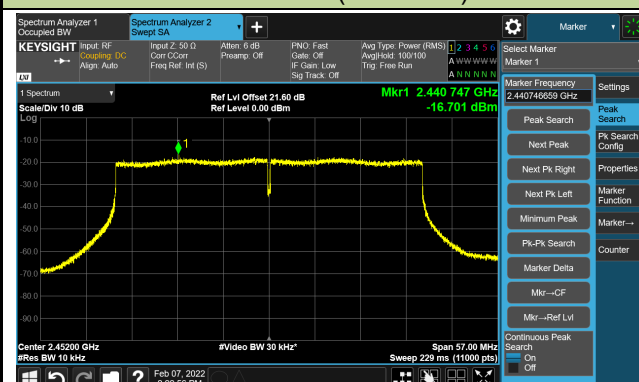
## Channel 03 (2422MHz)



## Channel 06 (2437MHz)

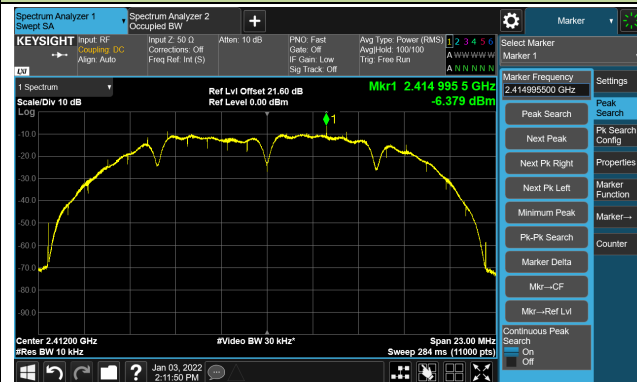


## Channel 09 (2452MHz)



## 802.11b AVGPDS -Ant 1

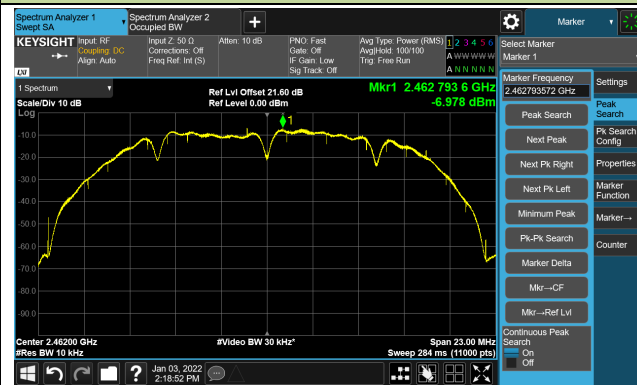
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

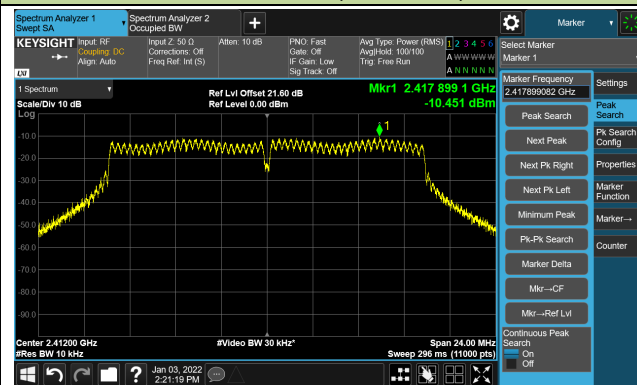


## Channel 11 (2462MHz)

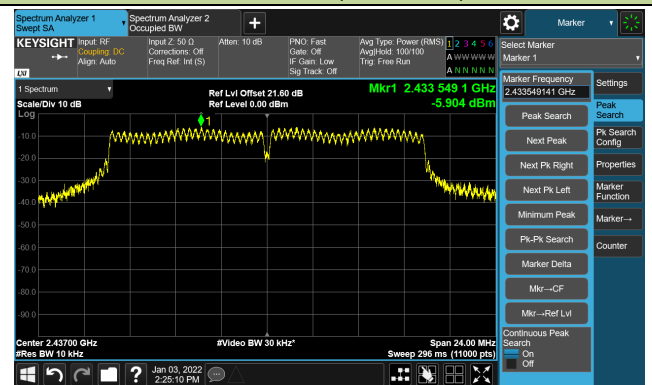


## 802.11g - AVGPDS-Ant 1

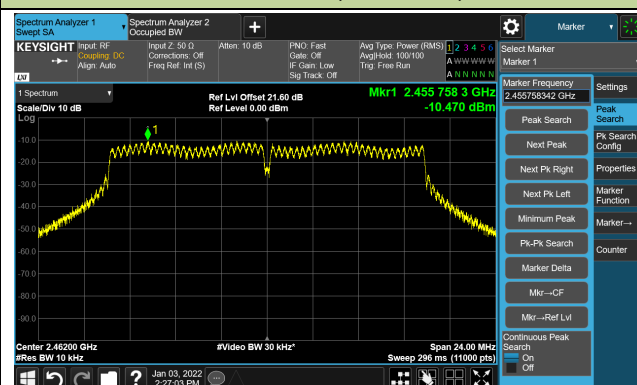
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

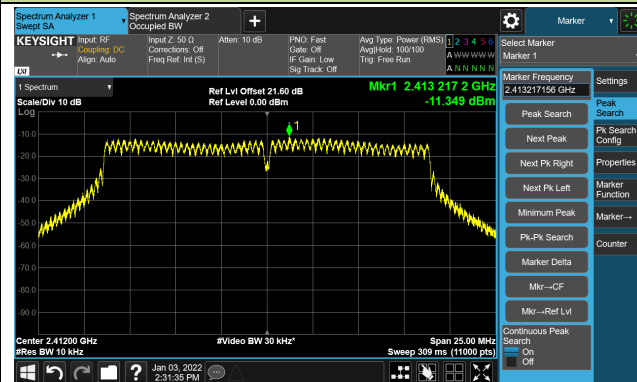


## Channel 11 (2462MHz)

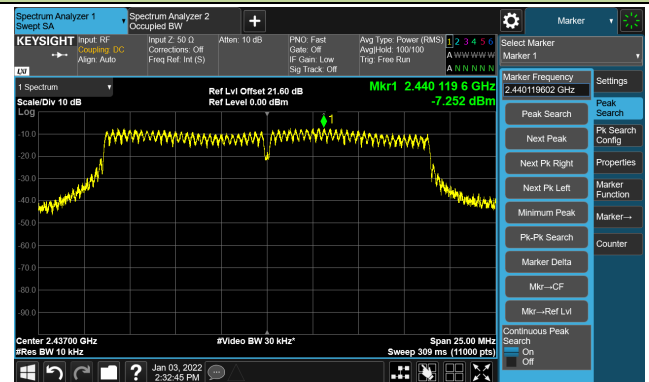


## 802.11n-HT20 – AVGPSD -Ant 1

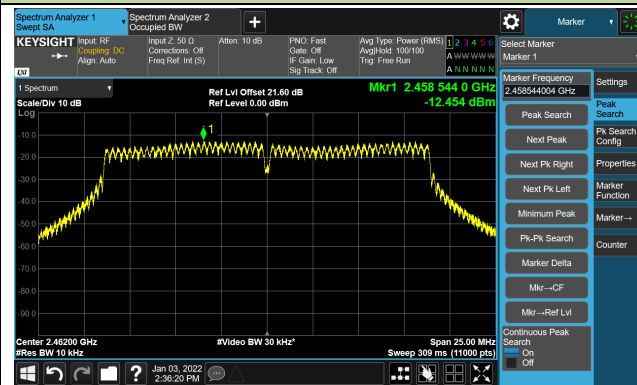
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

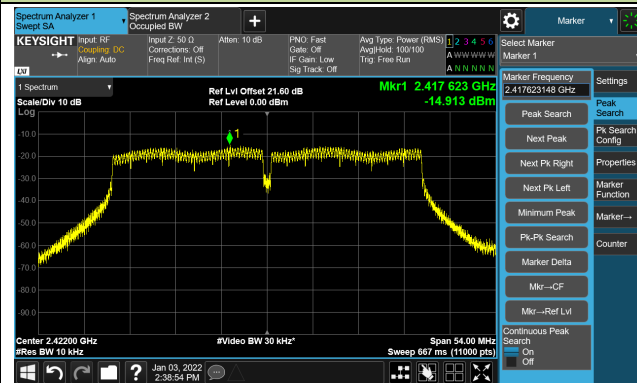


## Channel 11 (2462MHz)

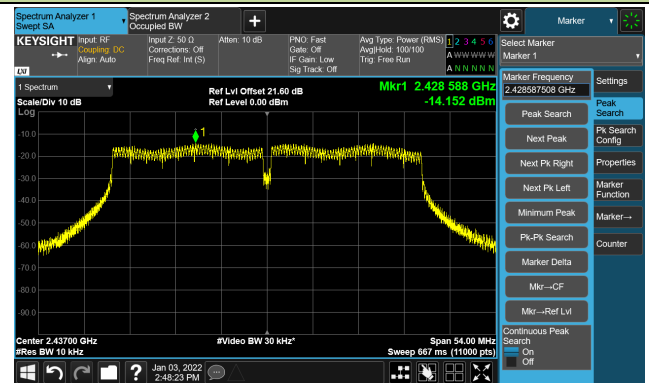


## 802.11n-HT40 – AVGPSD -Ant 1

## Channel 03 (2422MHz)



## Channel 06 (2437MHz)

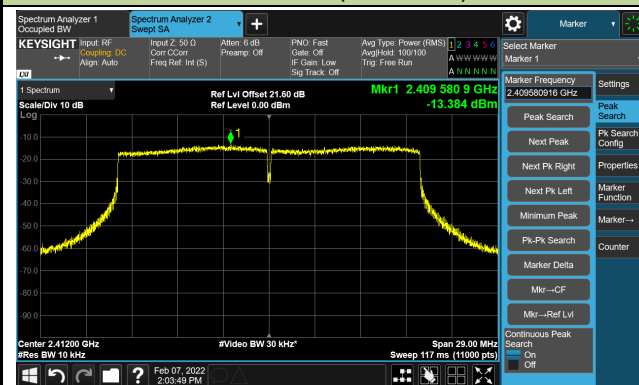


## Channel 09 (2452MHz)

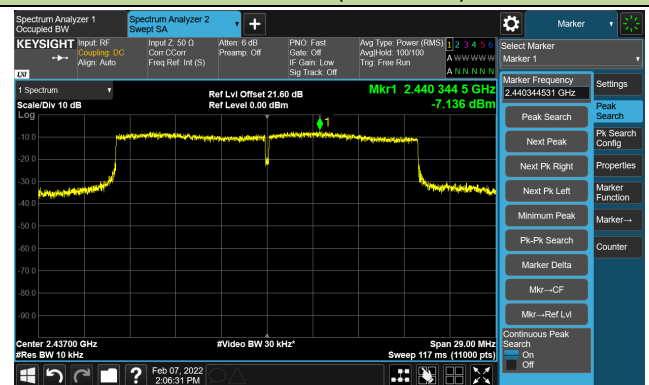


## 802.11ax-HE20 – AVGPDS -Ant 1

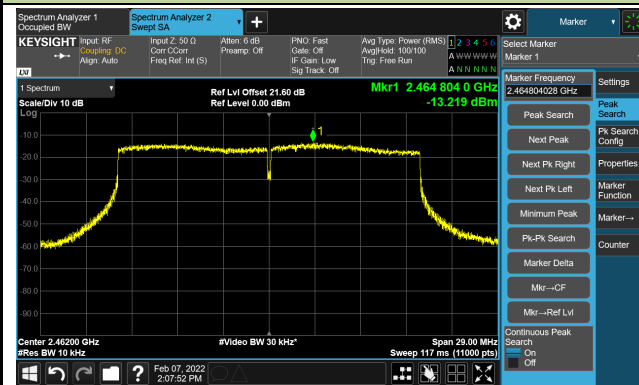
## Channel 01 (2412MHz)



## Channel 06 (2437MHz)

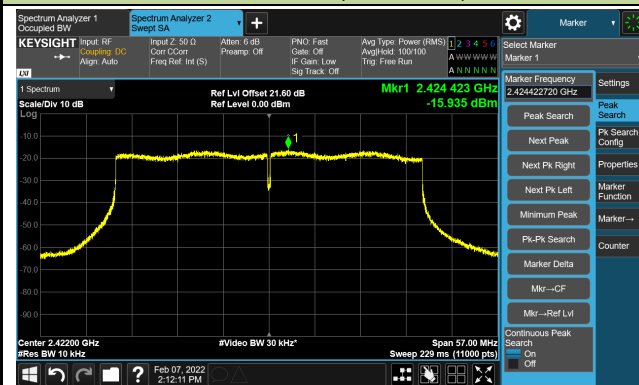


## Channel 11 (2462MHz)

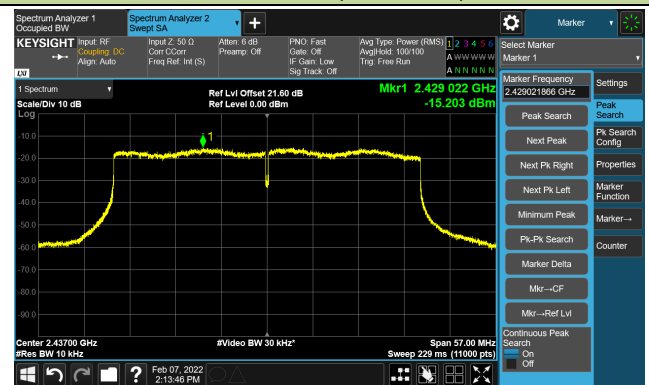


## 802.11ax-HE40 – AVGPDS -Ant 1

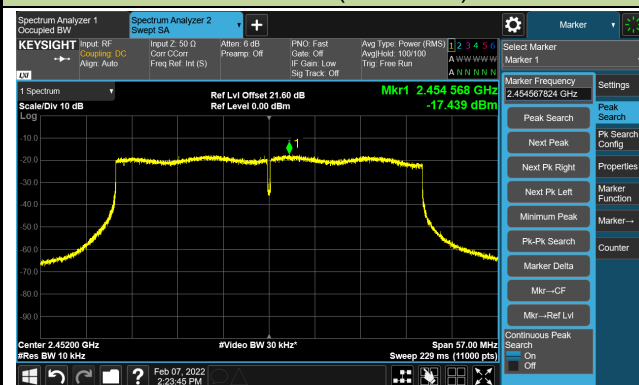
## Channel 03 (2422MHz)



## Channel 06 (2437MHz)



## Channel 09 (2452MHz)



## **7.5. Conducted Band Edge and Out-of-Band Emissions**

### **7.5.1. Test Limit**

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

### **7.5.2. Test Procedure Used**

ANSI C63.10 Section 11.11

### **7.5.3. Test Setting**

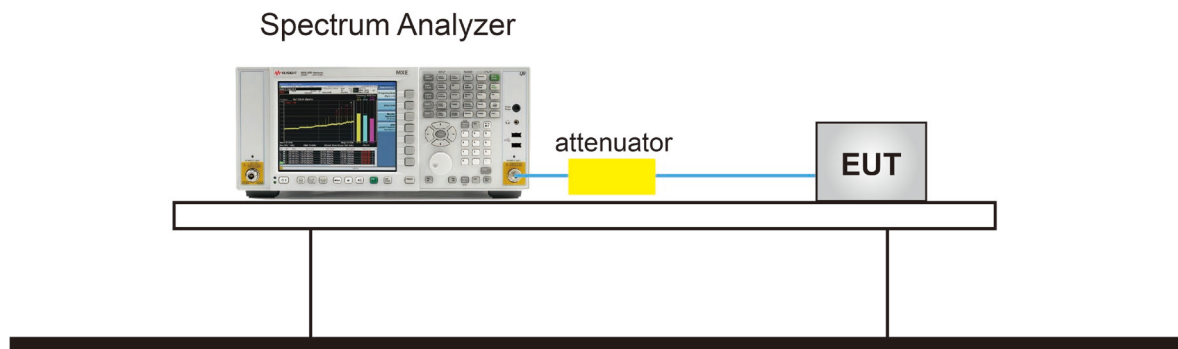
#### **Reference level measurement**

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to  $\geq 1.5$  times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW  $\geq 3 \times$  RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

#### **Emission level measurement**

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100KHz
3. VBW = 300KHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

#### 7.5.4. Test Setup



### 7.5.5. Test Result

|               |                                           |                   |                       |
|---------------|-------------------------------------------|-------------------|-----------------------|
| Product       | AX3000 Ceiling Mount Wi-Fi 6 Access Point | Temperature       | 23°C                  |
| Test Engineer | Eric Lin                                  | Relative Humidity | 54%                   |
| Test Site     | SR2                                       | Test Date         | 2022/02/07~2022/02/08 |

| Test Mode     | Data Rate / MCS | Channel No. | Frequency (MHz) | Limit (dBc) | Result |
|---------------|-----------------|-------------|-----------------|-------------|--------|
| 802.11b       | 1Mbps           | 01          | 2412            | 30          | Pass   |
| 802.11b       | 1Mbps           | 06          | 2437            | 30          | Pass   |
| 802.11b       | 1Mbps           | 11          | 2462            | 30          | Pass   |
| 802.11g       | 6Mbps           | 01          | 2412            | 30          | Pass   |
| 802.11g       | 6Mbps           | 06          | 2437            | 30          | Pass   |
| 802.11g       | 6Mbps           | 11          | 2462            | 30          | Pass   |
| 802.11n-HT20  | MCS0            | 01          | 2412            | 30          | Pass   |
| 802.11n-HT20  | MCS0            | 06          | 2437            | 30          | Pass   |
| 802.11n-HT20  | MCS0            | 11          | 2462            | 30          | Pass   |
| 802.11n-HT40  | MCS0            | 03          | 2422            | 30          | Pass   |
| 802.11n-HT40  | MCS0            | 06          | 2437            | 30          | Pass   |
| 802.11n-HT40  | MCS0            | 09          | 2452            | 30          | Pass   |
| 802.11ax-HE20 | MCS0            | 01          | 2412            | 30          | Pass   |
| 802.11ax-HE20 | MCS0            | 06          | 2437            | 30          | Pass   |
| 802.11ax-HE20 | MCS0            | 11          | 2462            | 30          | Pass   |
| 802.11ax-HE40 | MCS0            | 03          | 2422            | 30          | Pass   |
| 802.11ax-HE40 | MCS0            | 06          | 2437            | 30          | Pass   |
| 802.11ax-HE40 | MCS0            | 09          | 2452            | 30          | Pass   |