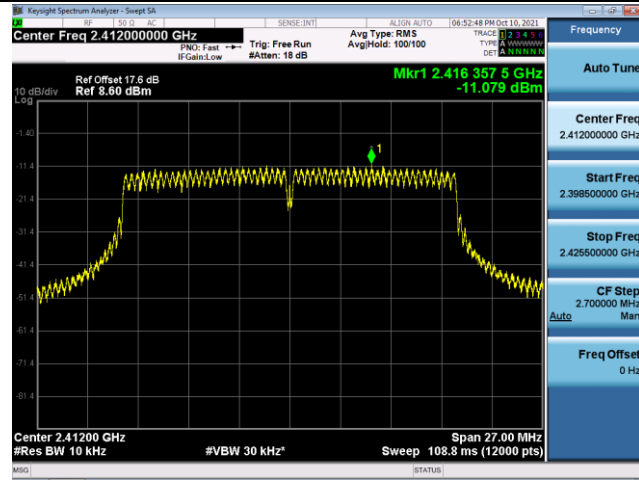
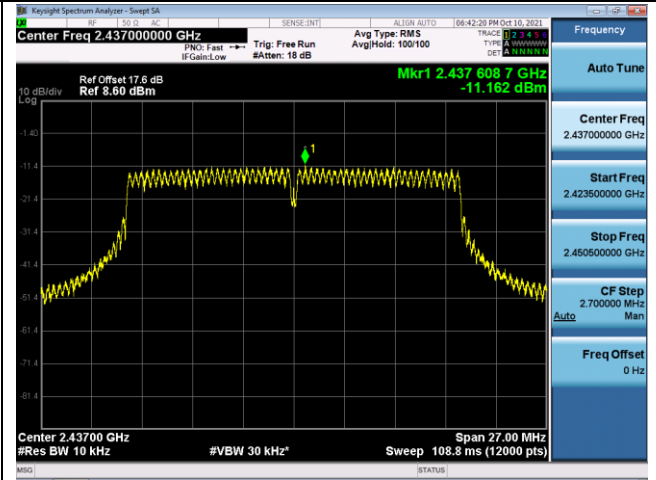


802.11n-HT20 AVGPSD - Ant 1

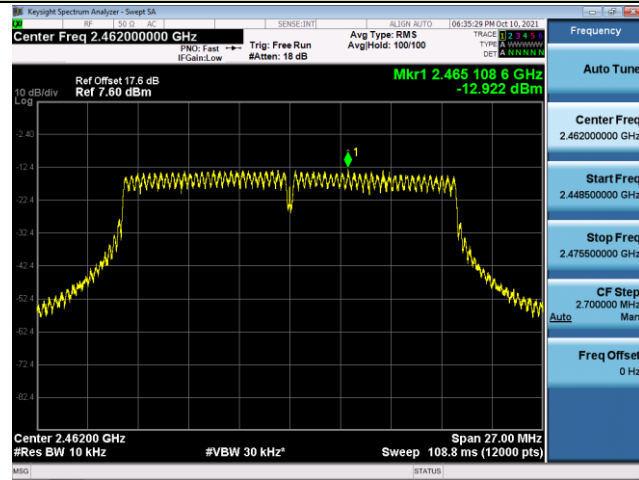
Channel 01 (2412MHz)



Channel 06 (2437MHz)

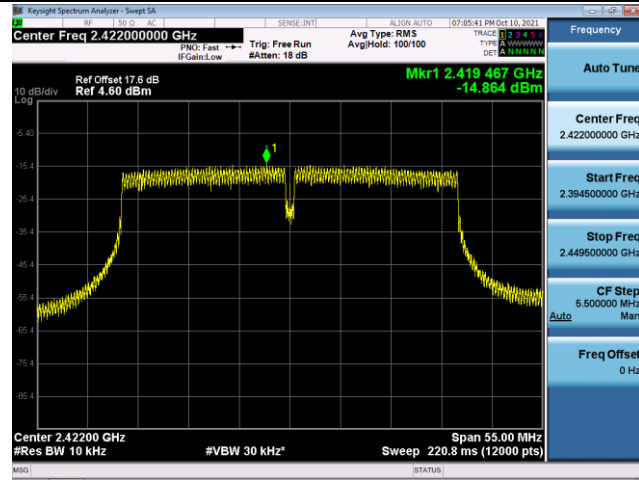


Channel 11 (2462MHz)

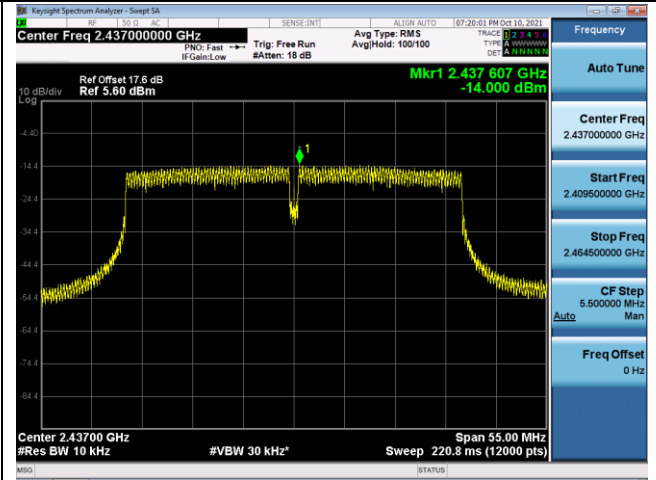


802.11n-HT40 AVGPSD - Ant 1

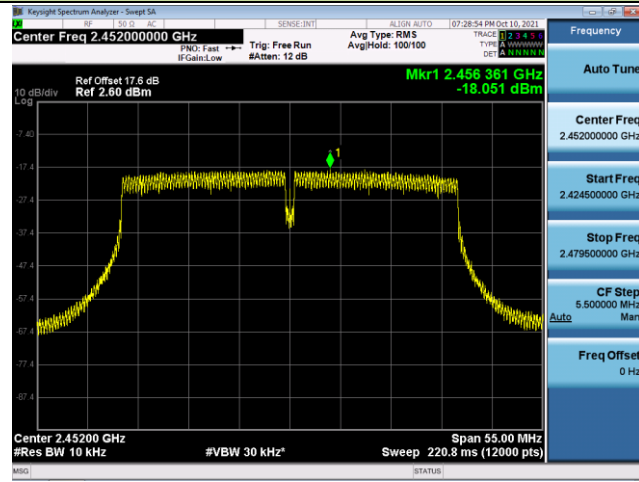
Channel 03 (2422MHz)



Channel 06 (2437MHz)

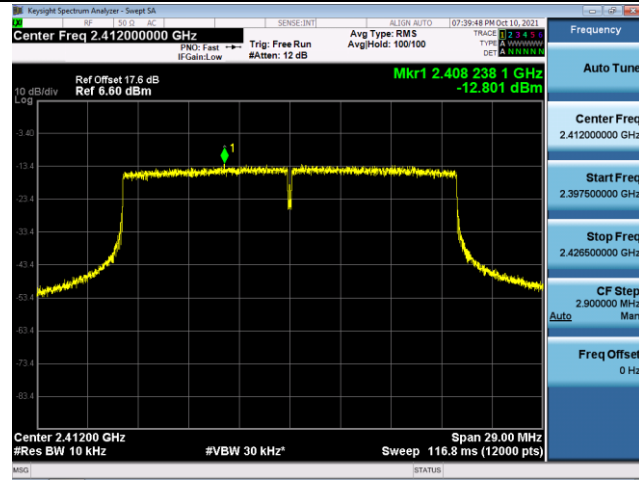


Channel 09 (2452MHz)

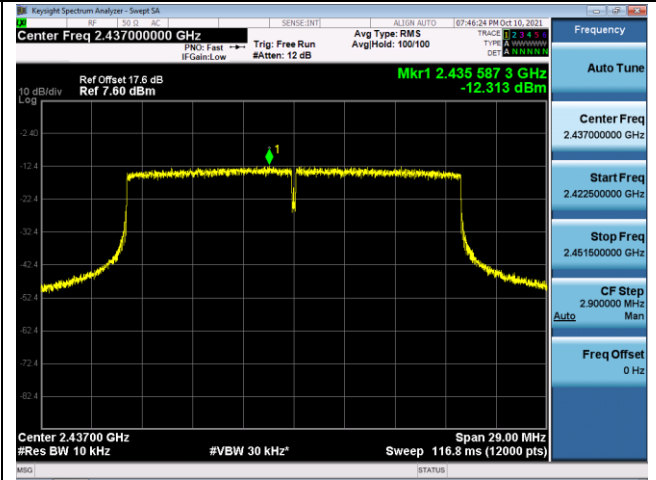


802.11ax-HE20 AVGPSD - Ant 1

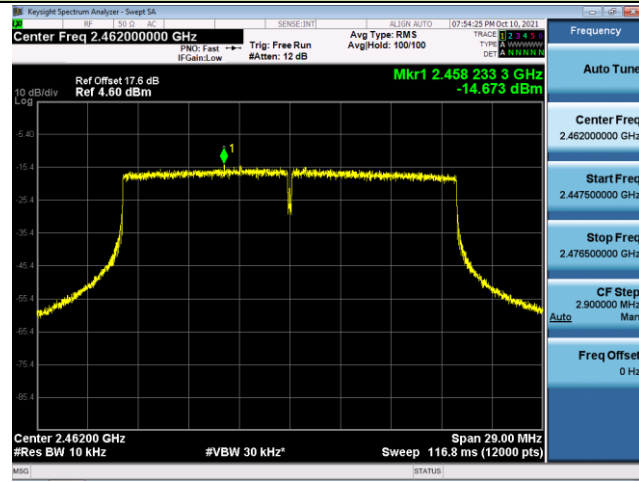
Channel 01 (2412MHz)



Channel 06 (2437MHz)

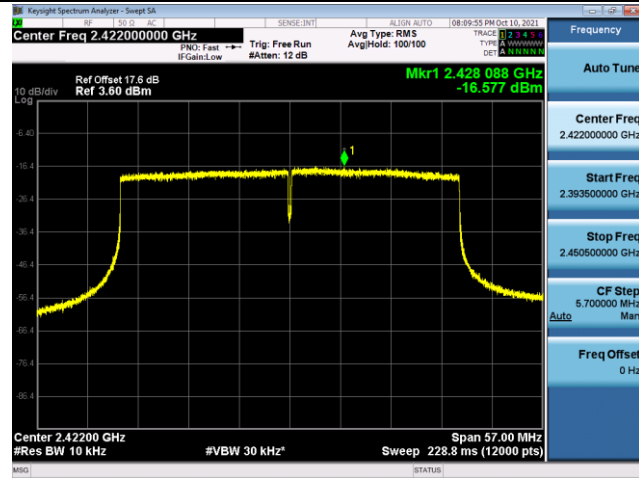


Channel 11 (2462MHz)

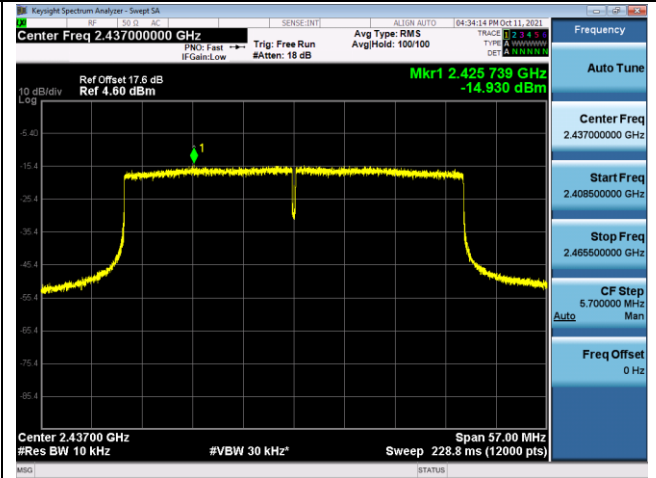


802.11ax-HE40 AVGPSD - Ant 1

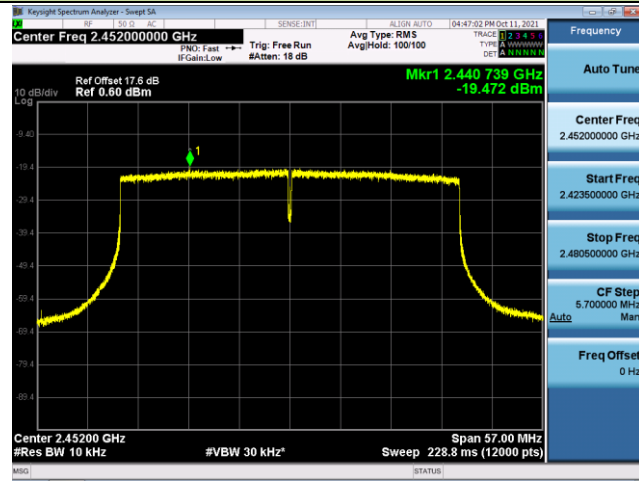
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11b AVGPDS - Ant 2

Channel 01 (2412MHz)



Channel 06 (2437MHz)

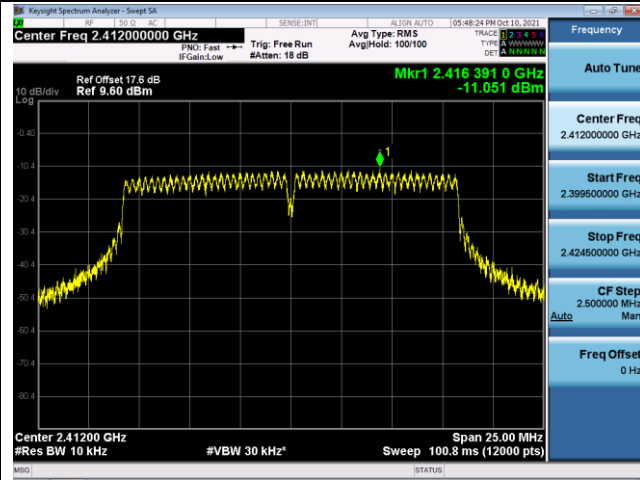


Channel 11 (2462MHz)

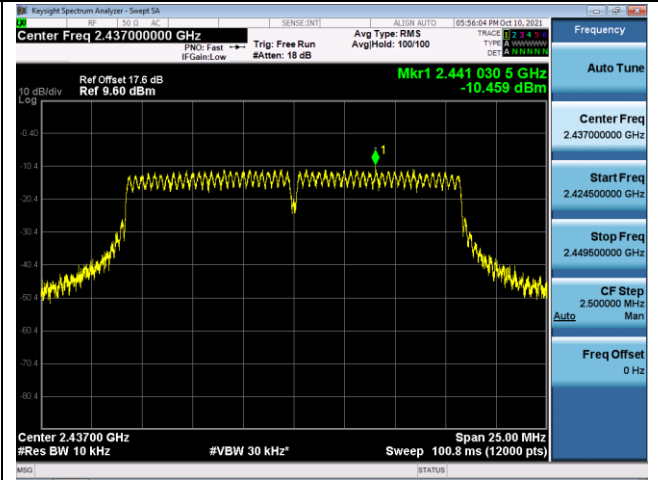


802.11g AVGPSD - Ant 2

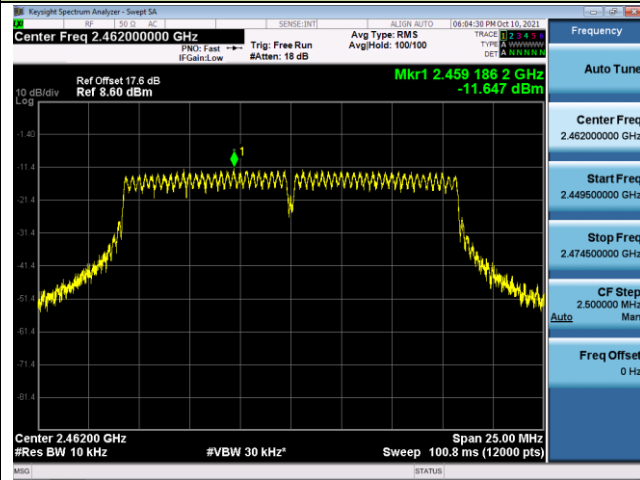
Channel 01 (2412MHz)



Channel 06 (2437MHz)

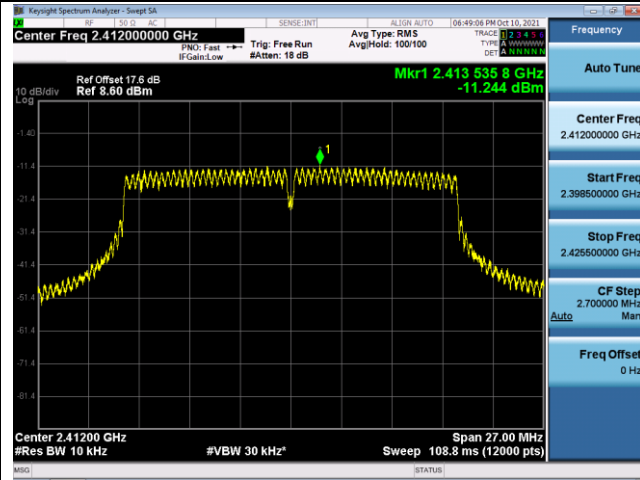


Channel 11 (2462MHz)

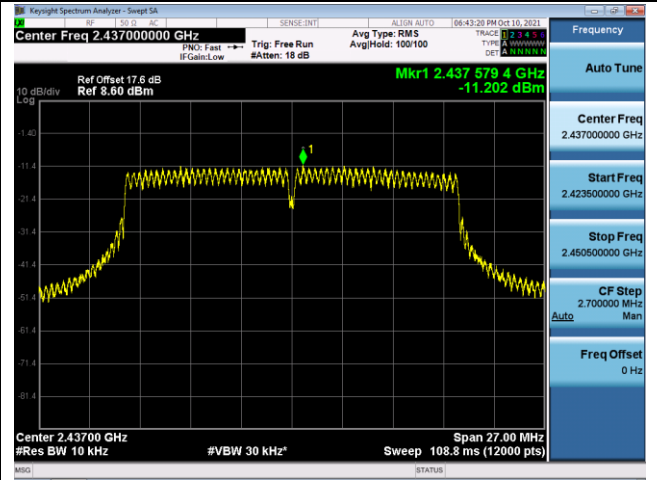


802.11n-HT20 AVGPSD - Ant 2

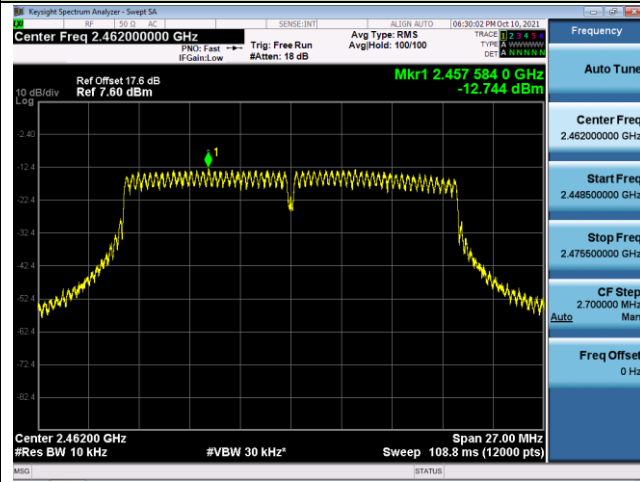
Channel 01 (2412MHz)



Channel 06 (2437MHz)

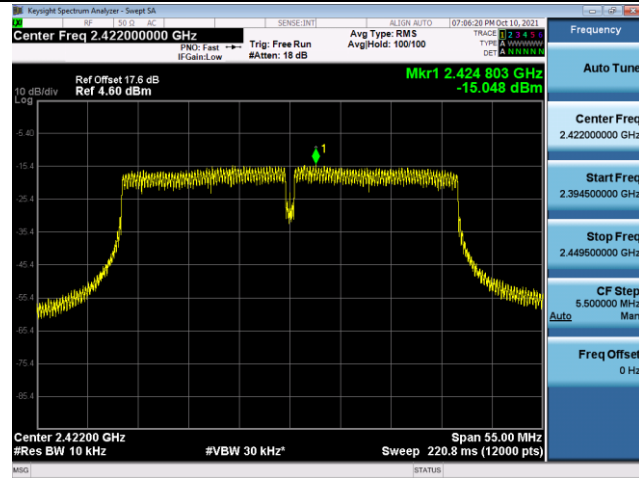


Channel 11 (2462MHz)

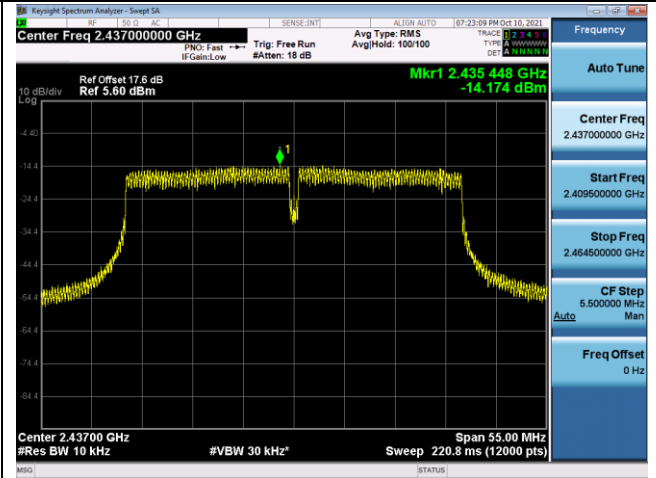


802.11n-HT40 AVGPSD - Ant 2

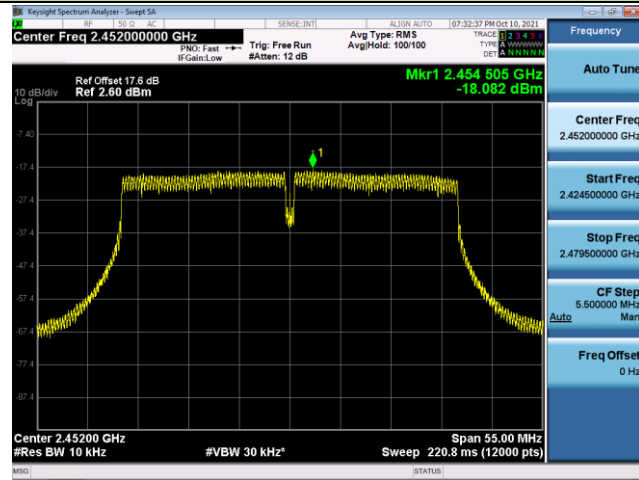
Channel 03 (2422MHz)



Channel 06 (2437MHz)



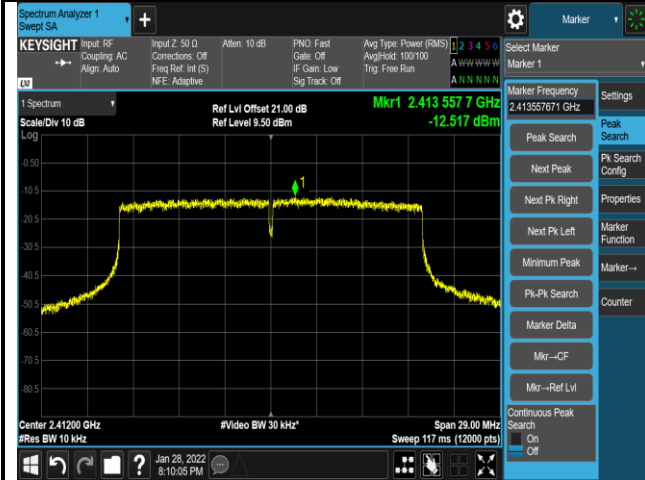
Channel 09 (2452MHz)



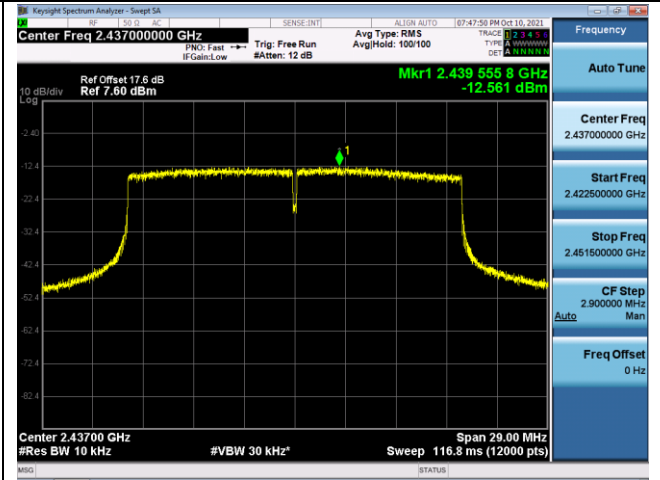


802.11ax-HE20 AVGPSD - Ant 2

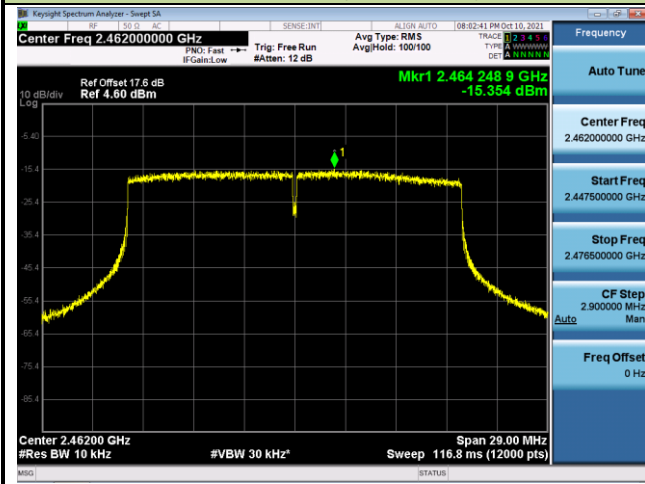
Channel 01 (2412MHz)



Channel 06 (2437MHz)

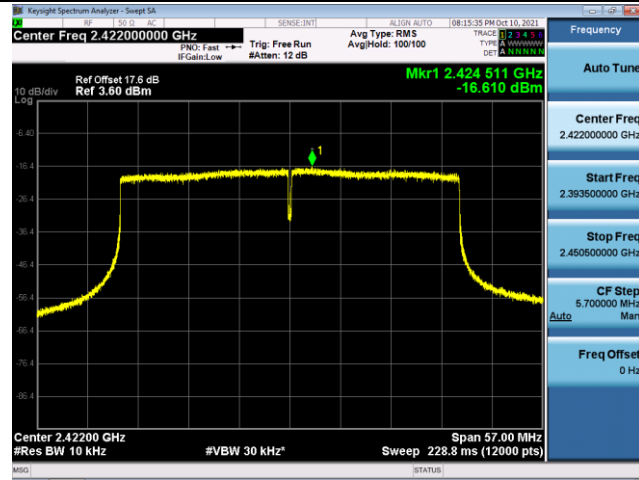


Channel 11 (2462MHz)

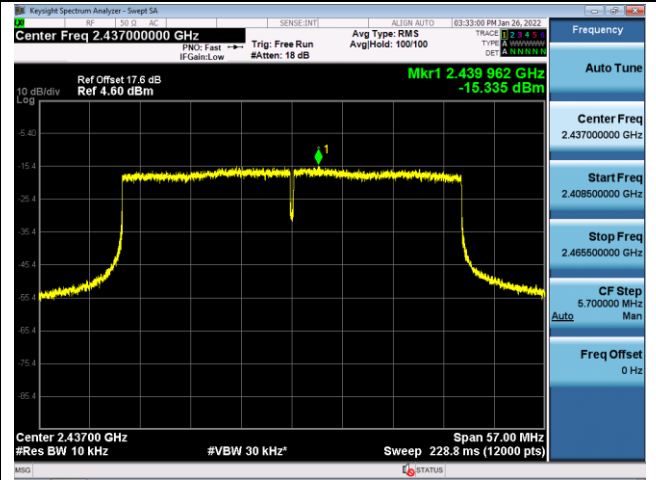


802.11ax-HE40 AVGPSD - Ant 2

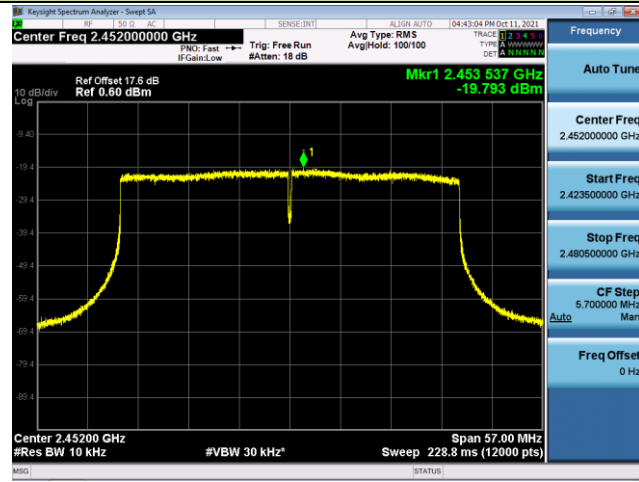
Channel 03 (2422MHz)



Channel 06 (2437MHz)

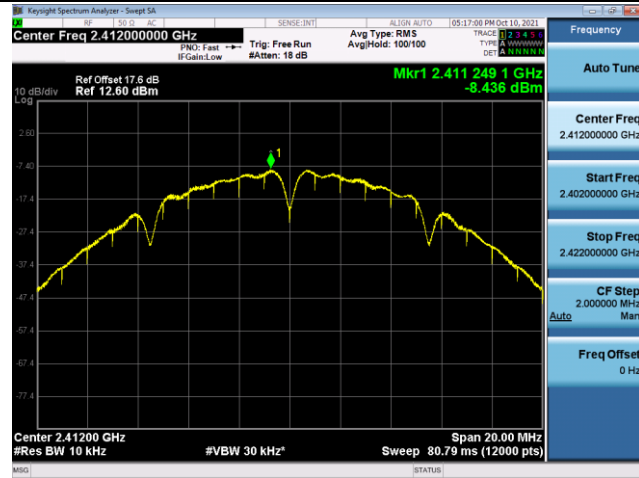


Channel 09 (2452MHz)



802.11b AVGPDS - Ant 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)

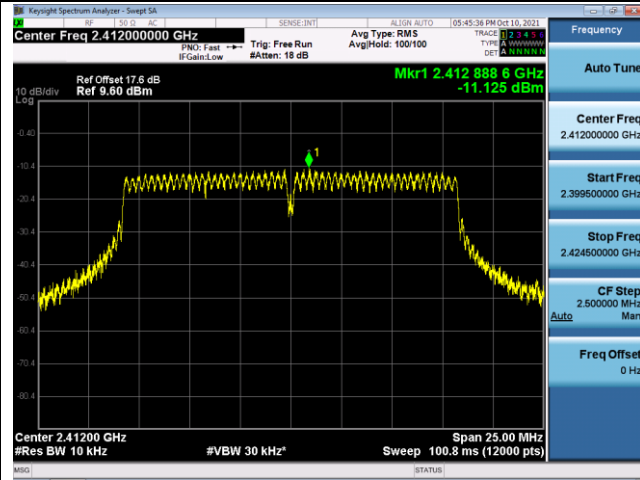


Channel 11 (2462MHz)

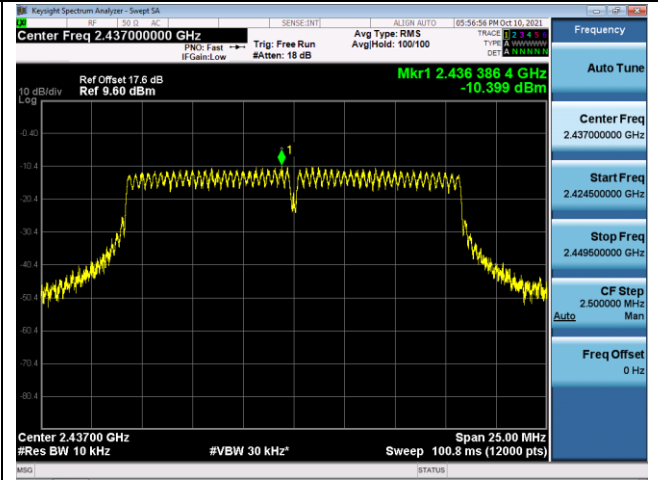


802.11g AVGPSD - Ant 3

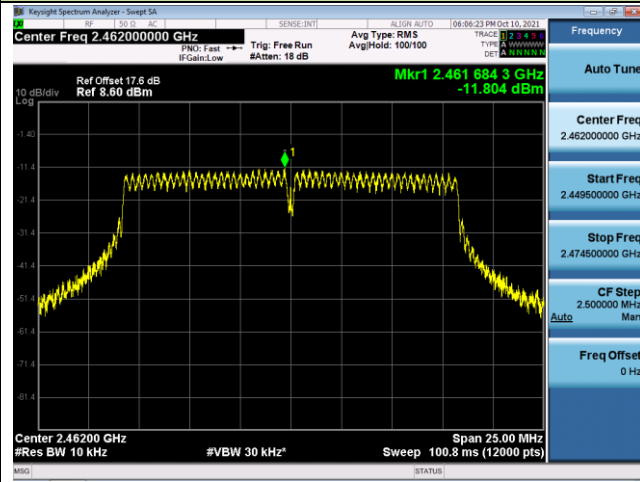
Channel 01 (2412MHz)



Channel 06 (2437MHz)

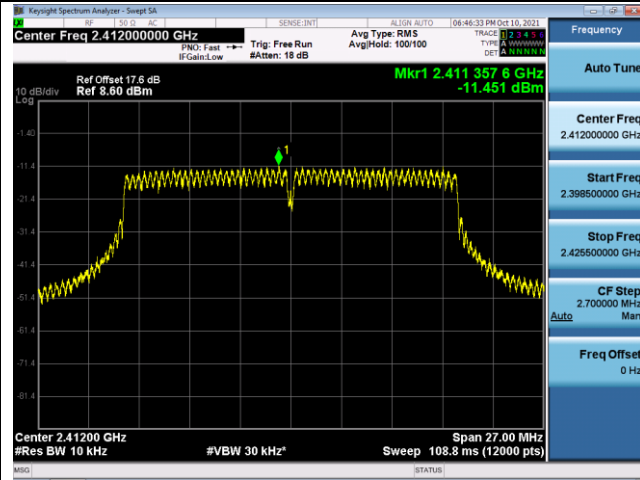


Channel 11 (2462MHz)

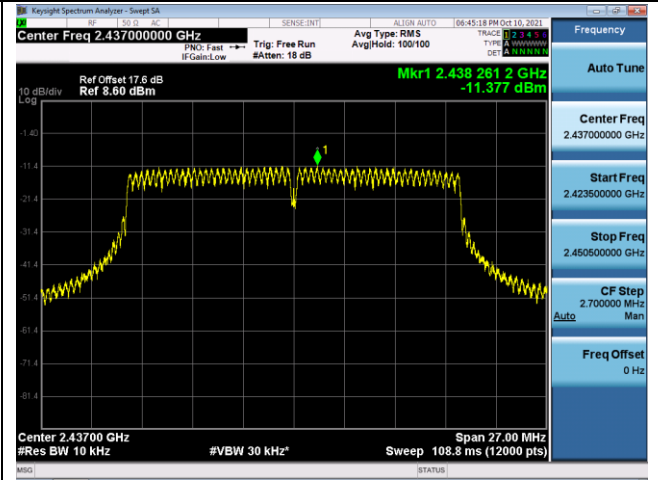


802.11n-HT20 AVGPSD - Ant 3

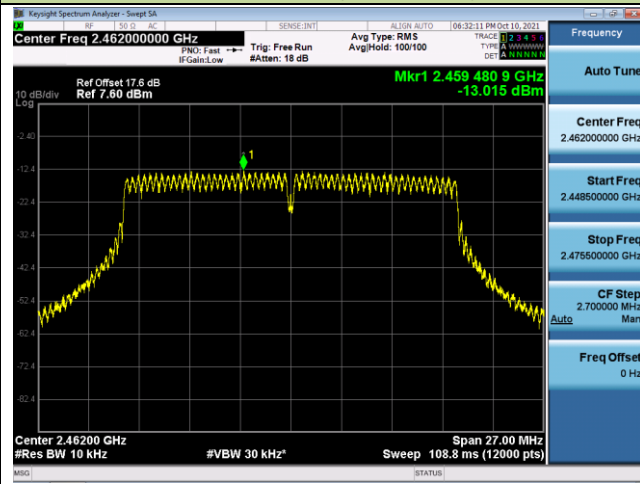
Channel 01 (2412MHz)



Channel 06 (2437MHz)

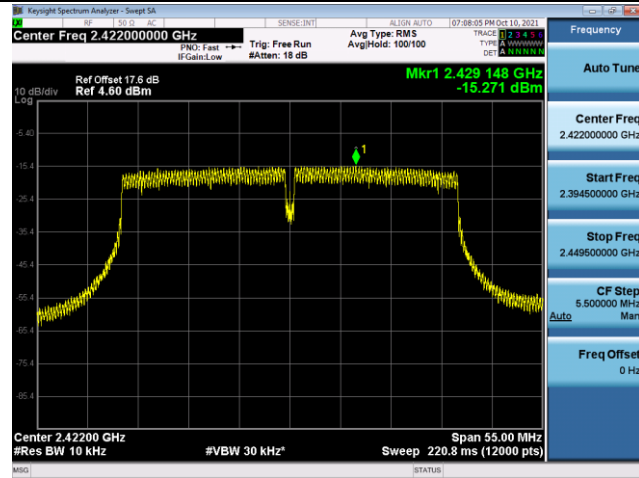


Channel 11 (2462MHz)

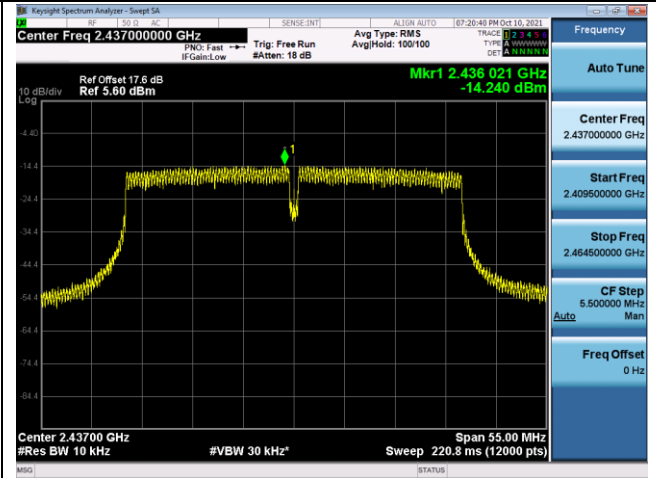


802.11n-HT40 AVGPSD - Ant 3

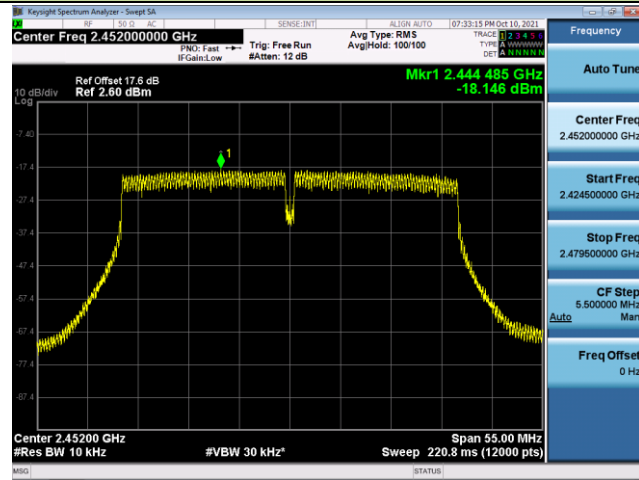
Channel 03 (2422MHz)



Channel 06 (2437MHz)

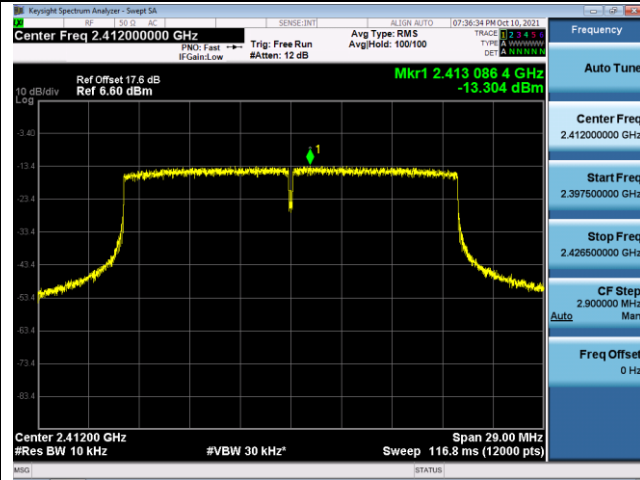


Channel 09 (2452MHz)

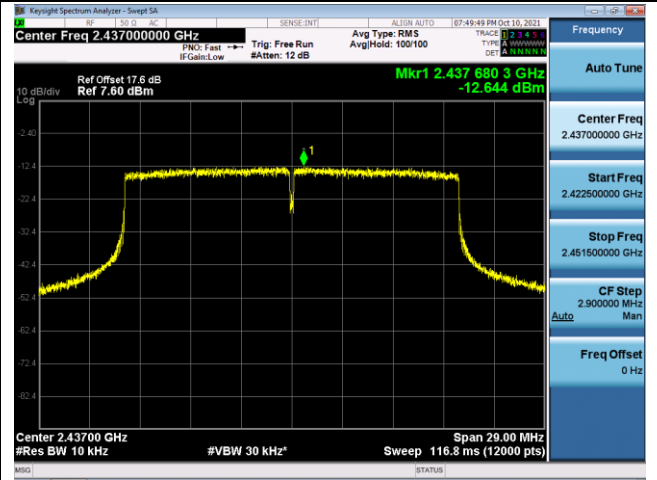


802.11ax-HE20 AVGPSD - Ant 3

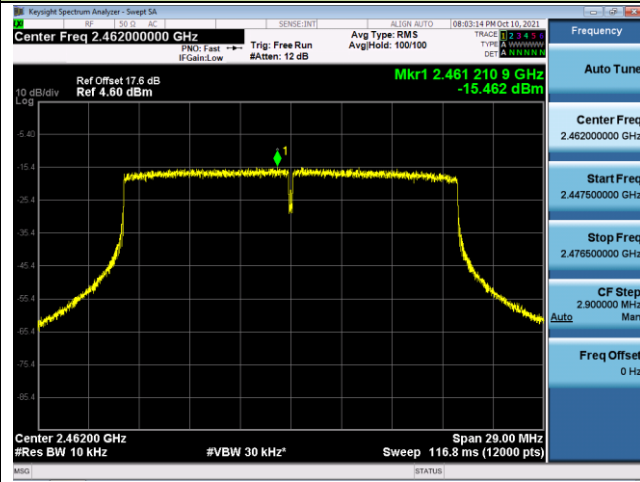
Channel 01 (2412MHz)



Channel 06 (2437MHz)

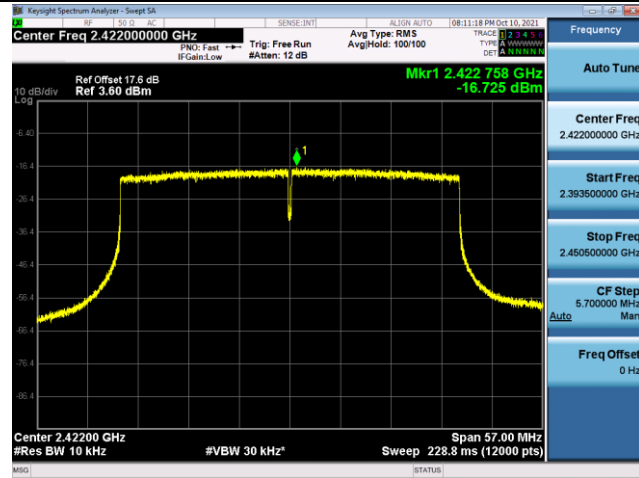


Channel 11 (2462MHz)

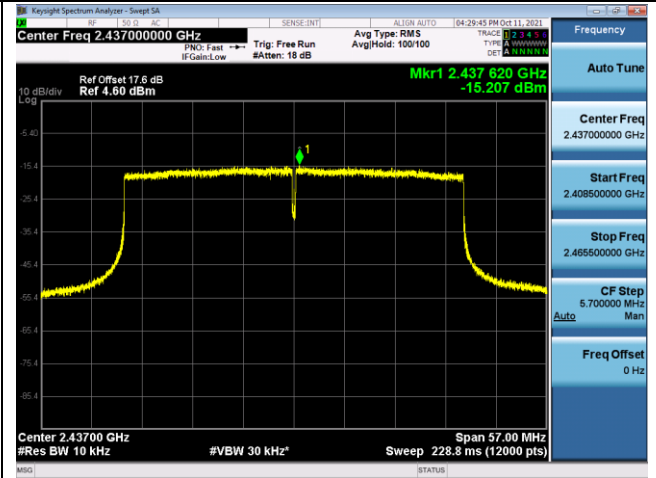


802.11ax-HE40 AVGPSD - Ant 3

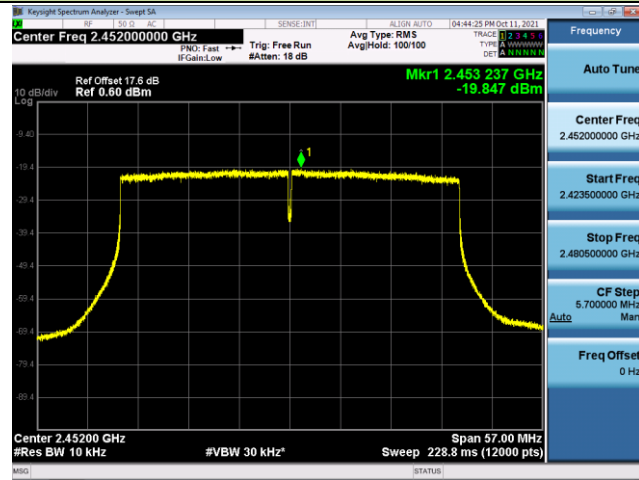
Channel 03 (2422MHz)



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**

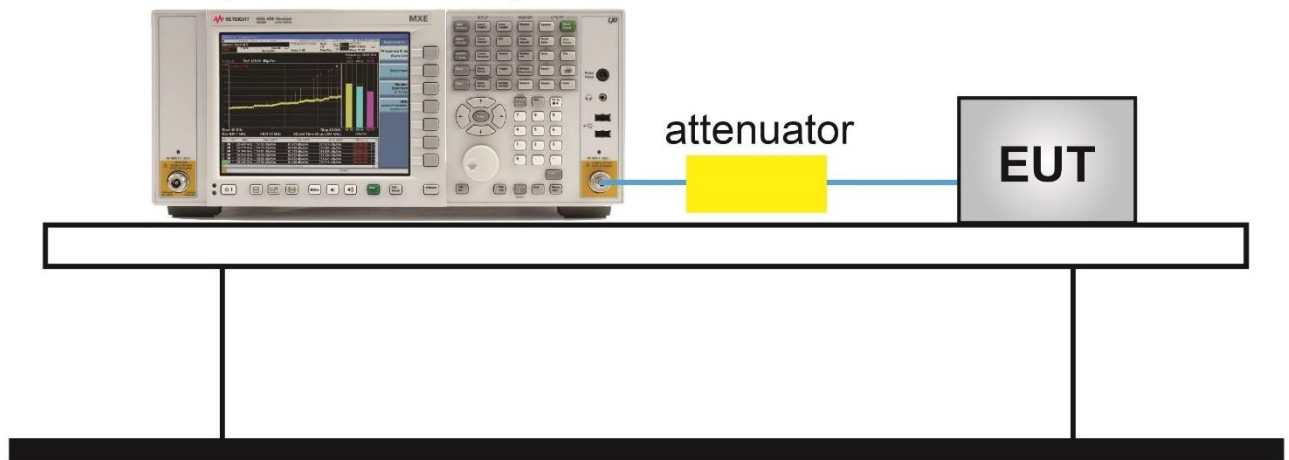
1. Set instrument center frequency to DTS channel center frequency
2. Set the span to  $\geq 1.5$  times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW  $\geq 3 \times$  RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

#### **Emission level measurement**

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100Hz
3. VBW = 300Hz
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

## Spectrum Analyzer



### 7.5.5. Test Result

|                      |              |               |                         |
|----------------------|--------------|---------------|-------------------------|
| Product              | ACCESS POINT | Test Engineer | Eric Lin                |
| Test Site            | SR2          | Test Date     | 2022/01/24 ~ 2022/01/25 |
| Filter Configuration | Filter 1#    |               |                         |

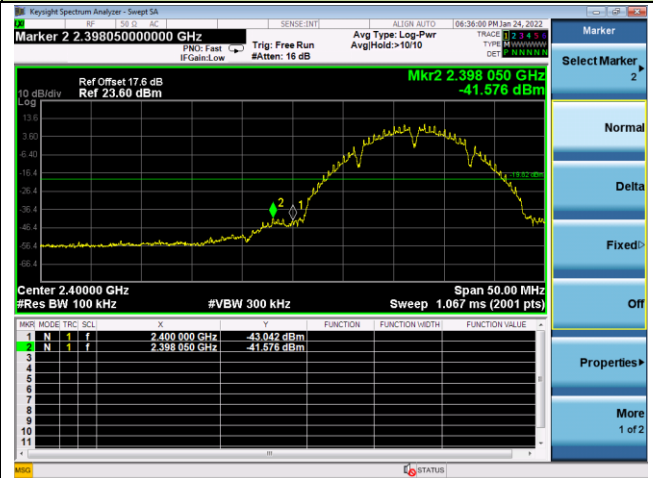
| Test Mode     | Data Rate / MCS | Channel No. | Frequency (MHz) | Limit (dBc) | Result |
|---------------|-----------------|-------------|-----------------|-------------|--------|
| 802.11b       | 1Mbps           | 01          | 2412            | 30          | Pass   |
| 802.11b       | 1Mbps           | 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   |

802.11b Out-of-Band Emissions - Ant 0

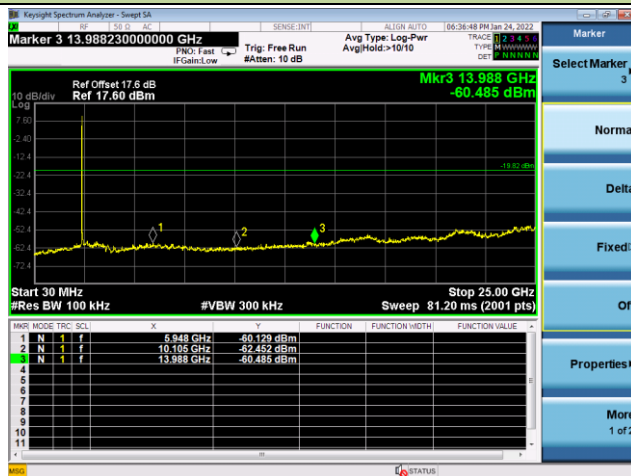
Channel 01 (2412MHz)

100kHz PSD reference Level

Low Band Edge



Spurious Emission



Channel 06 (2437MHz)

100kHz PSD reference Level

Spurious Emission

