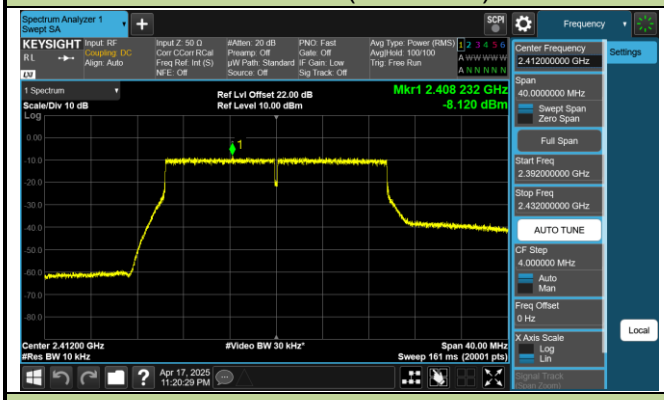
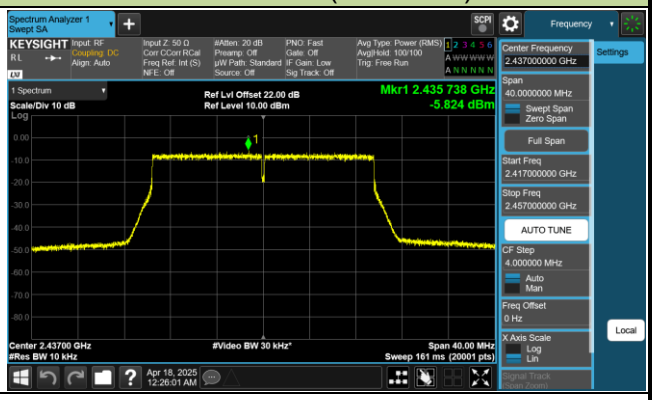
## 802.11ax-HE20 AVGPSD – Ant 1– CDD Mode

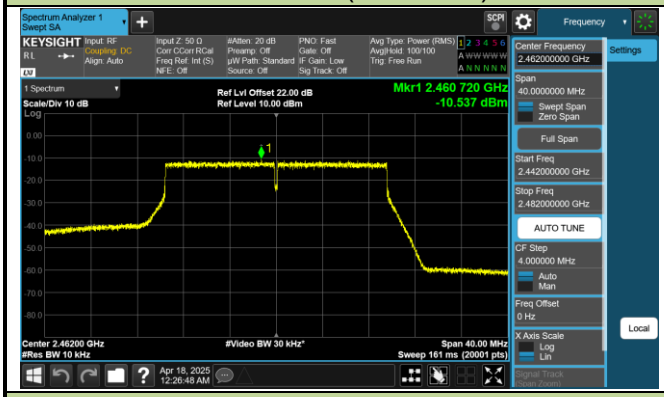
### Channel 01 (2412MHz)




### Channel 06 (2437MHz)

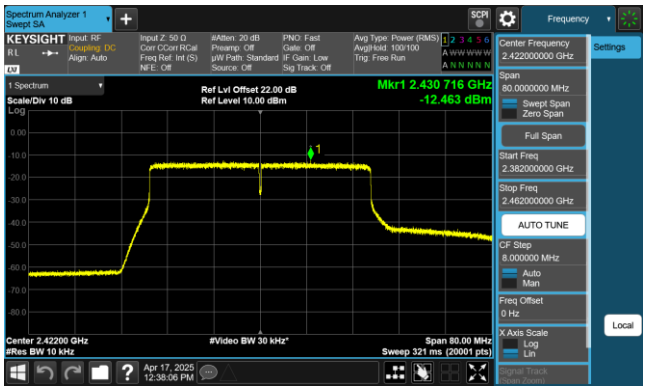



### Channel 11 (2462MHz)

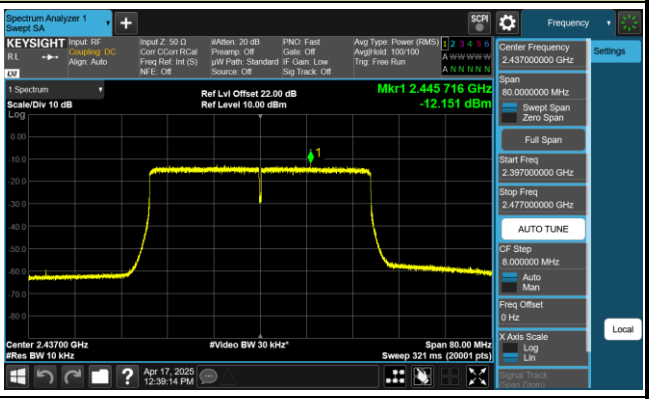



## 802.11ax-HE40 AVGPSD – Ant 1– CDD Mode

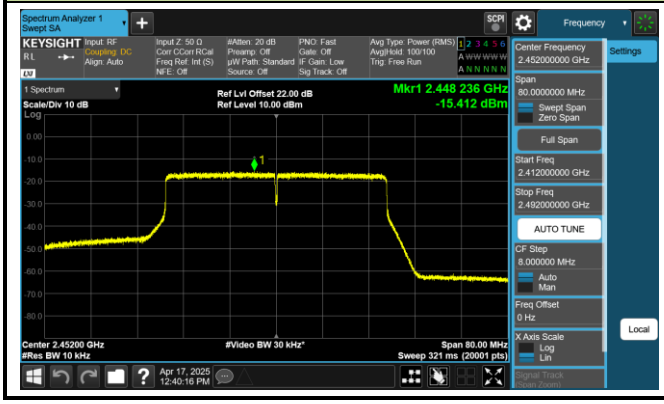
### Channel 03 (2422MHz)




### Channel 06 (2437MHz)

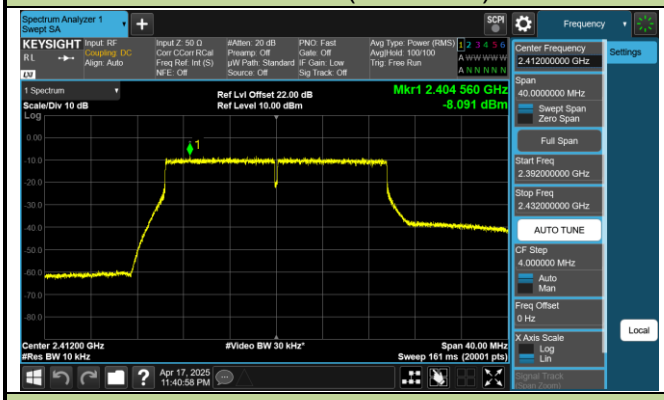



### Channel 09 (2452MHz)

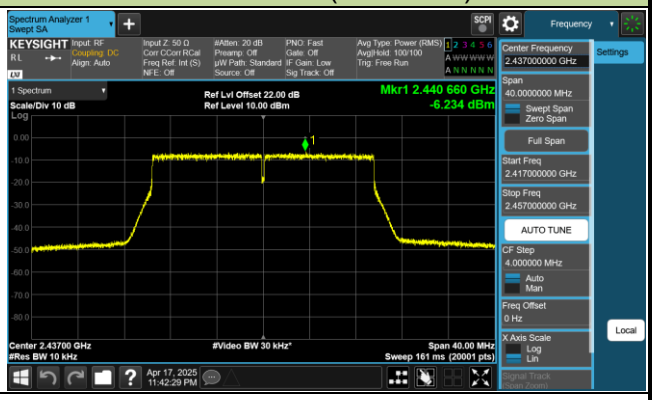


## 802.11be-EHT20 AVGPSD – Ant 1– CDD Mode

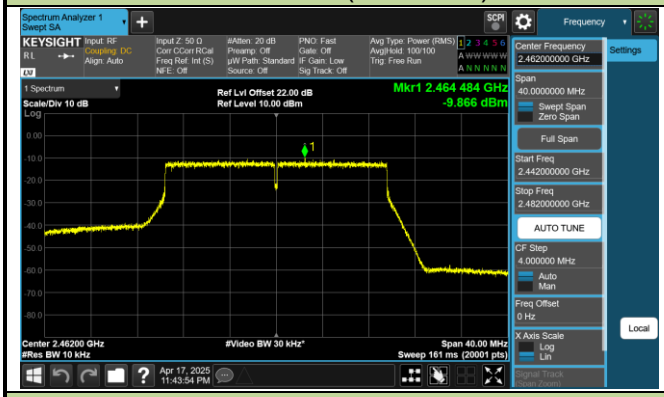
### Channel 01 (2412MHz)




### Channel 06 (2437MHz)

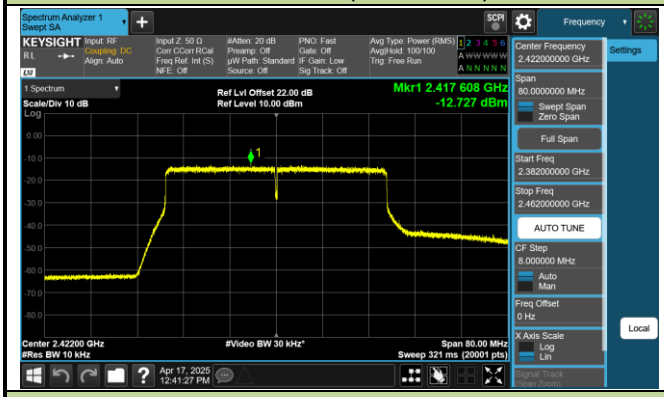



### Channel 11 (2462MHz)

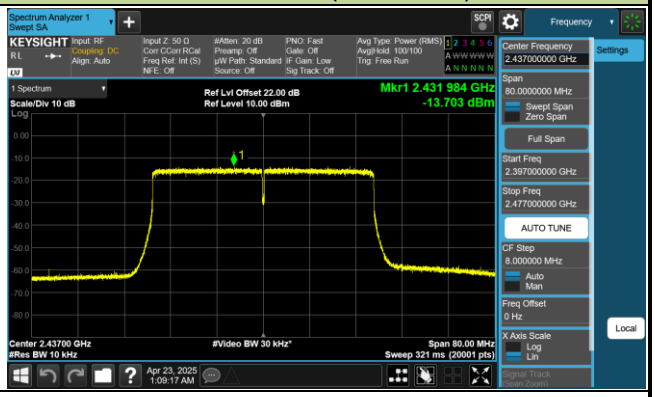



## 802.11be-EHT40 AVGPSD – Ant 1– CDD Mode

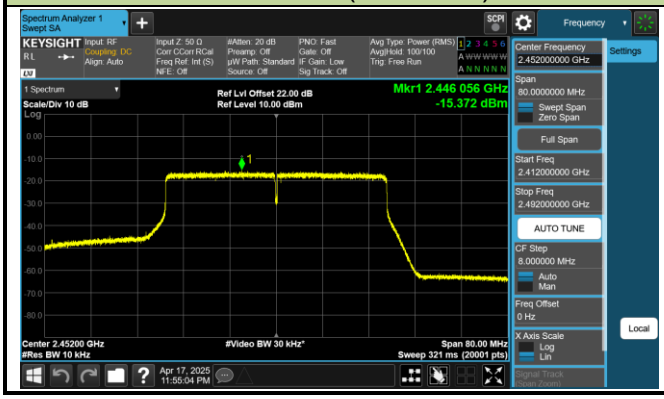
### Channel 03 (2422MHz)




### 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 - 2013 Section 11.11

### 7.5.3.Test Setting

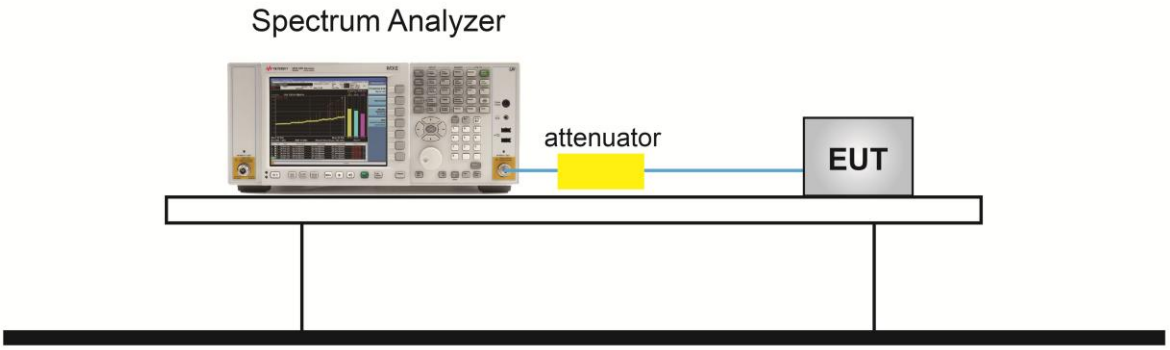
**Reference level measurement**

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW ≥ 3 x 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

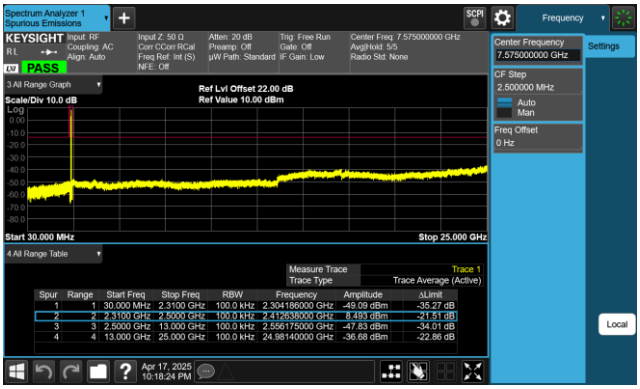
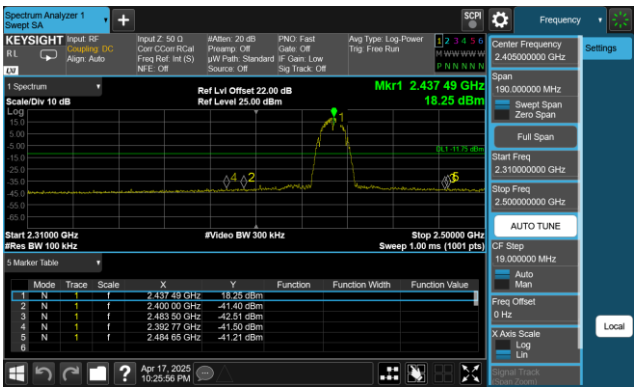
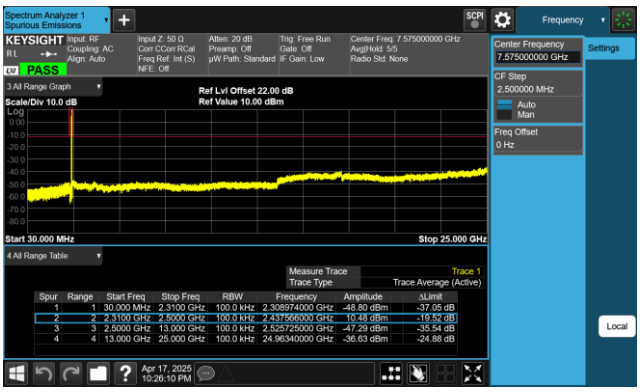
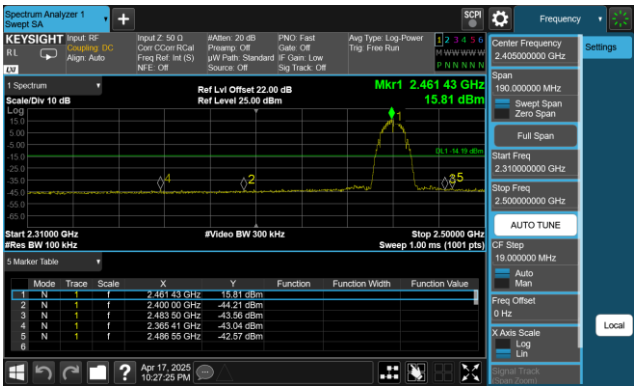
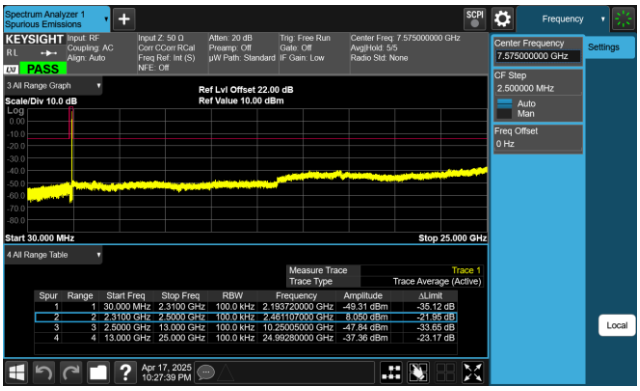
### 7.5.4.Test Setup



### 7.5.5.Test Result

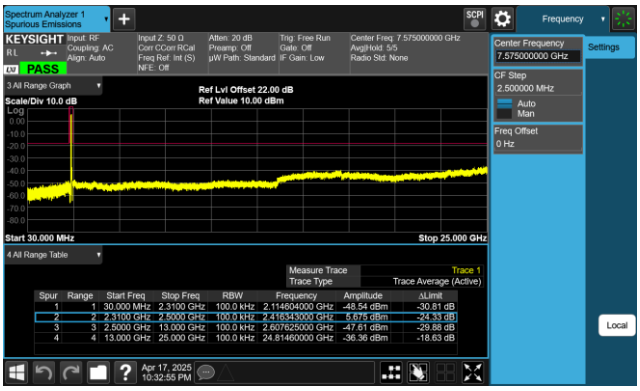
| Product | BE3600 Dual-Band Wi-Fi 7 Router | Temperature | 25°C |
|---|---|---|---|
| Test Engineer | Peter | Relative Humidity | 54% |
| Test Site | SR6 | Test Date | 2025/4/17~2025/4/18 |

| 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 |
| 802.11be-EHT20 | MCS0 | 01 | 2412 | 30 | Pass |
| 802.11be-EHT20 | MCS0 | 06 | 2437 | 30 | Pass |
| 802.11be-EHT20 | MCS0 | 11 | 2462 | 30 | Pass |
| 802.11be-EHT40 | MCS0 | 03 | 2422 | 30 | Pass |
| 802.11be-EHT40 | MCS0 | 06 | 2437 | 30 | Pass |
| 802.11be-EHT40 | MCS0 | 09 | 2452 | 30 | Pass |

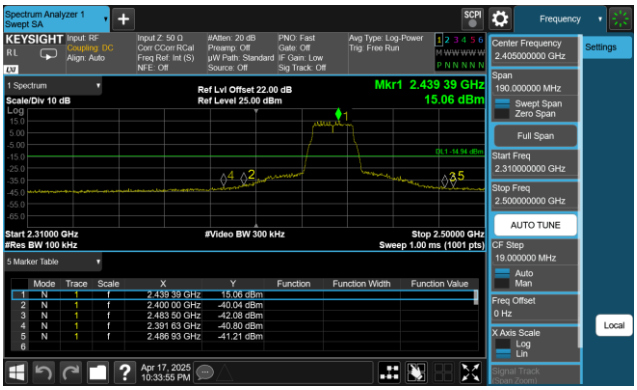
| Ant 0 | |
|---|---|
| 802.11 b CH01 (2412MHz) | 802.11 b CH01 (2412MHz) |
| |  |
| 802.11 b CH06 (2437MHz) | 802.11 b CH06 (2437MHz) |
|  |  |
| 802.11 b CH11 (2462MHz) | 802.11 b CH11 (2462MHz) |
|  |  |

## 802.11 g CH01 (2412MHz)

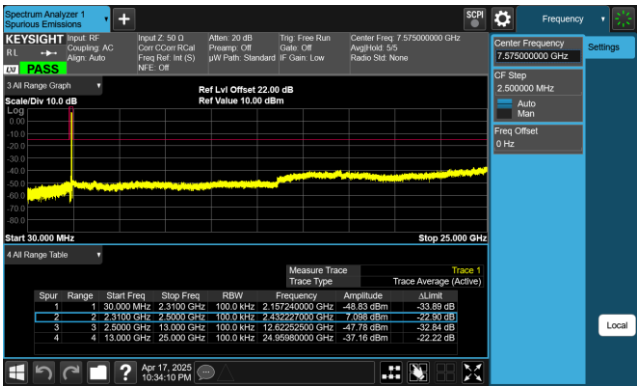
## 802.11 g CH01 (2412MHz)




## 802.11 g CH06 (2437MHz)

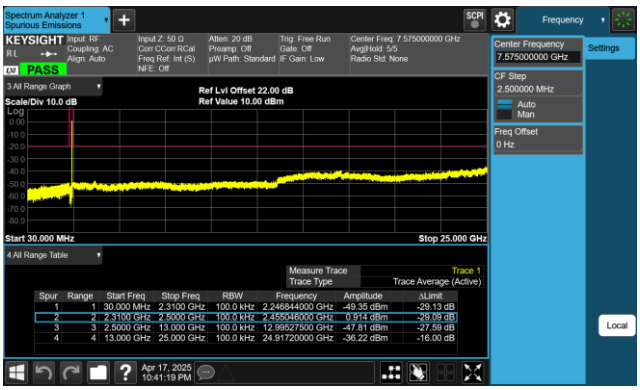


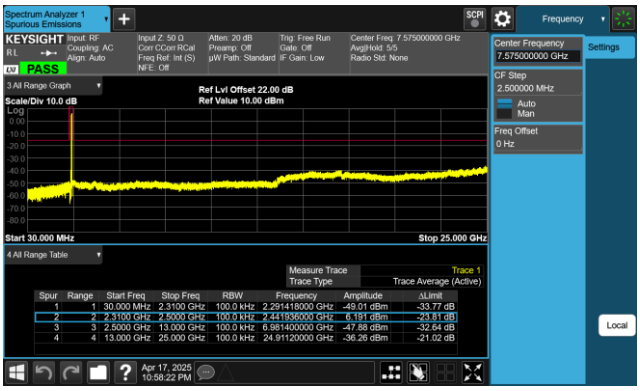
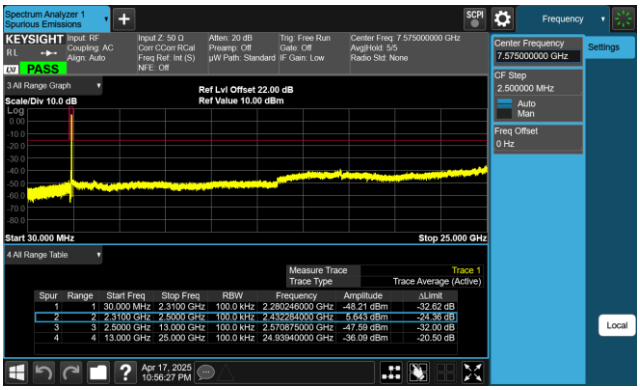
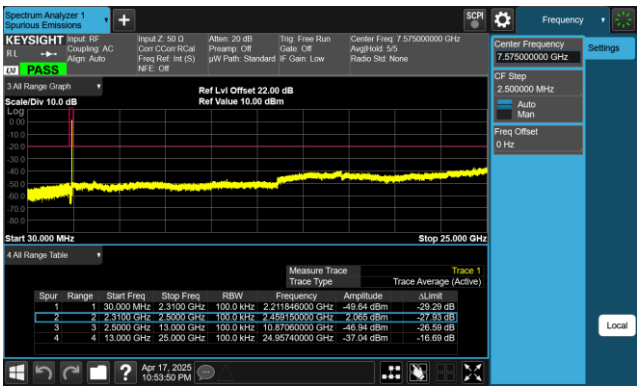

## 802.11 g CH06 (2437MHz)

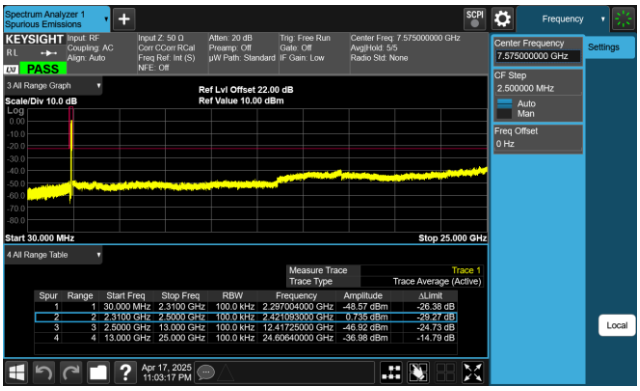
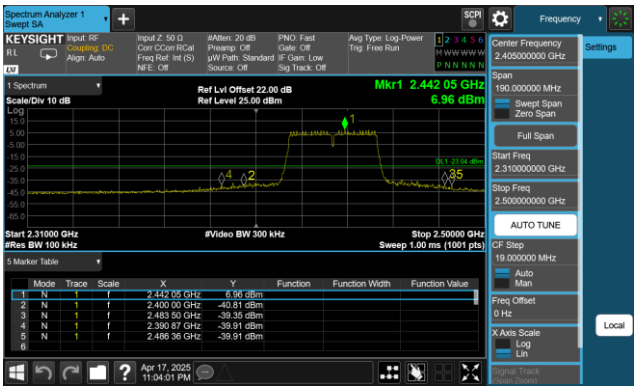
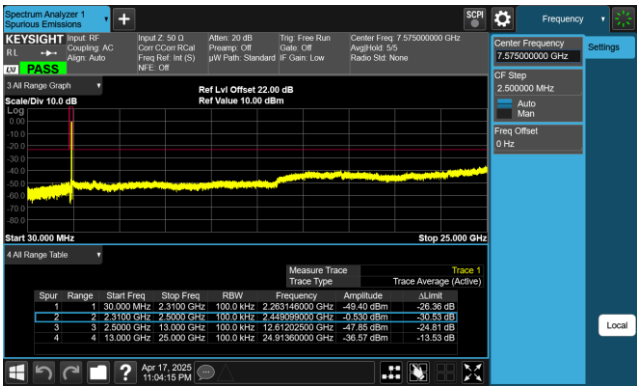
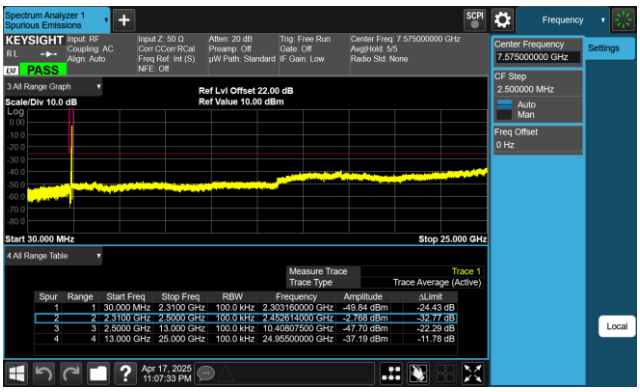


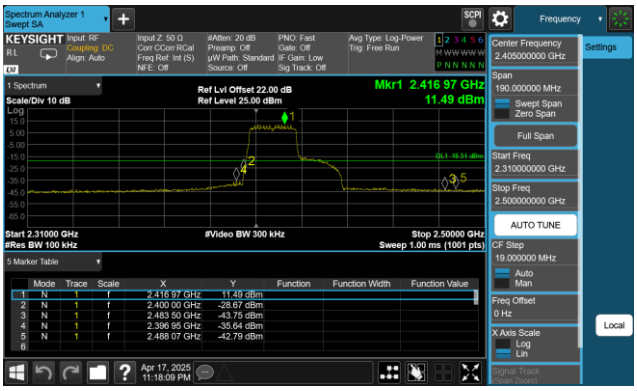
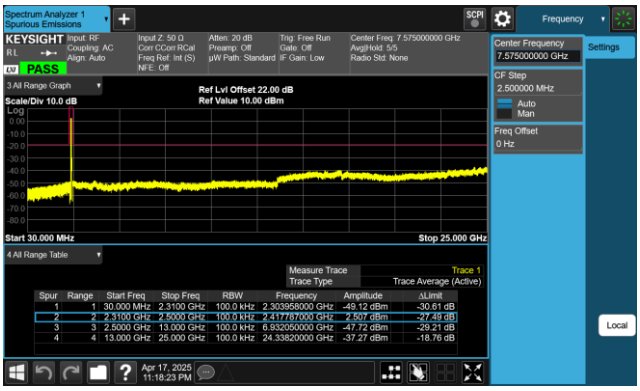
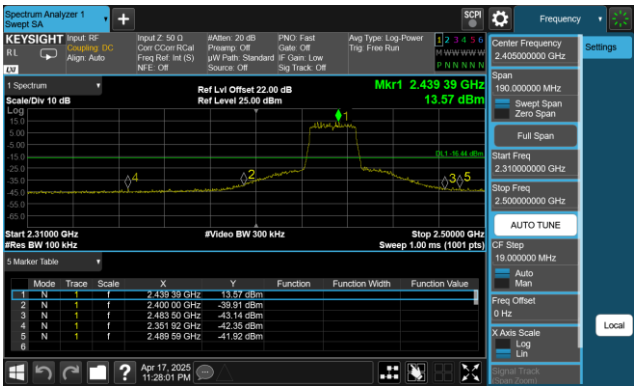
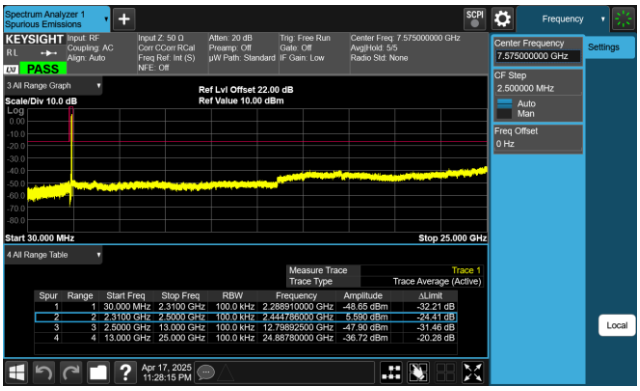
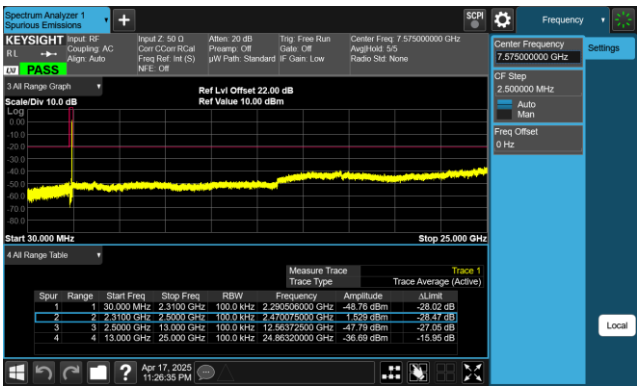

## 802.11 g CH11 (2462MHz)

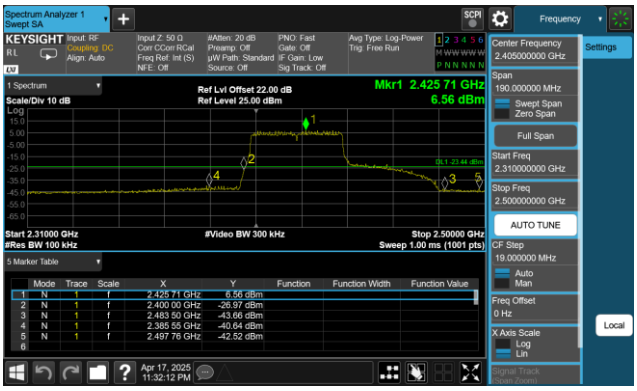
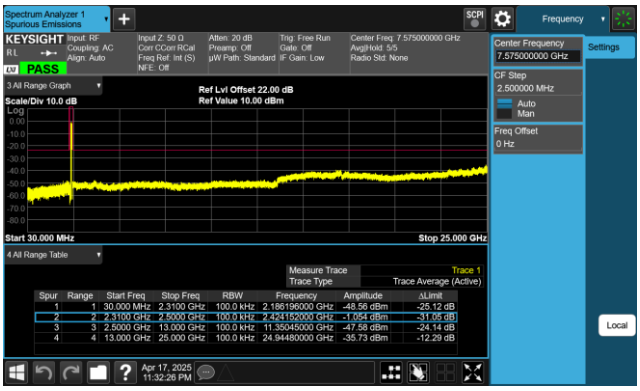
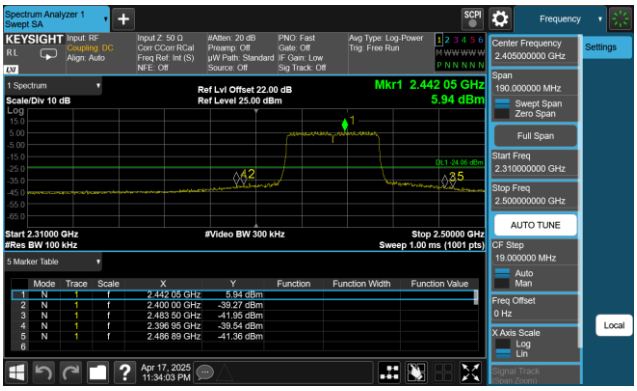
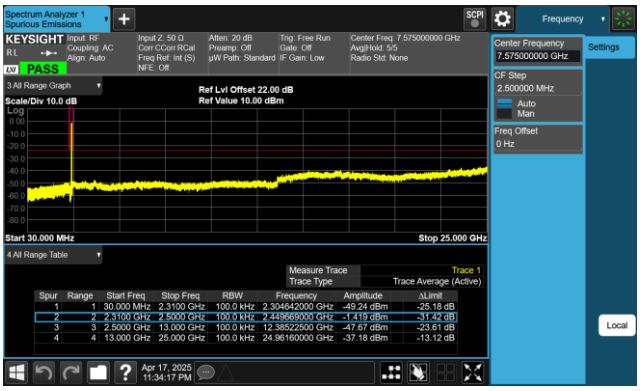
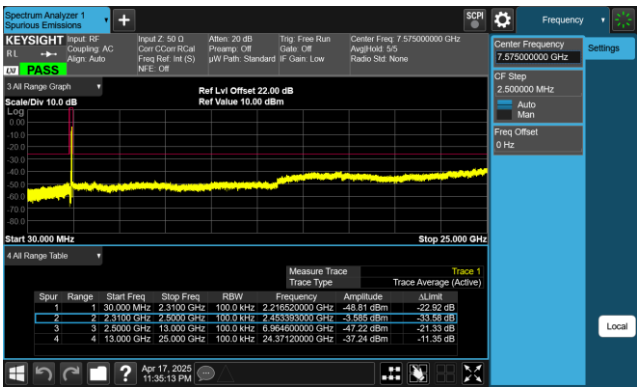
## 802.11 g CH11 (2462MHz)

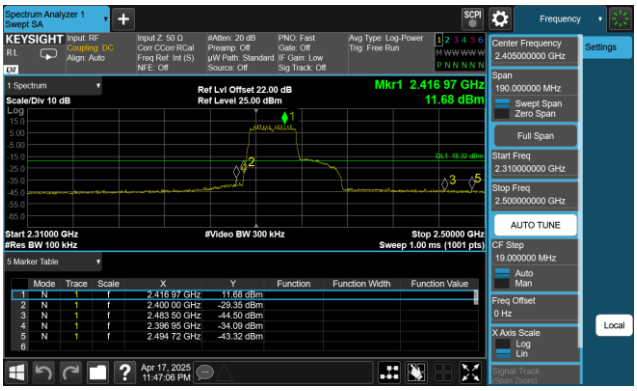
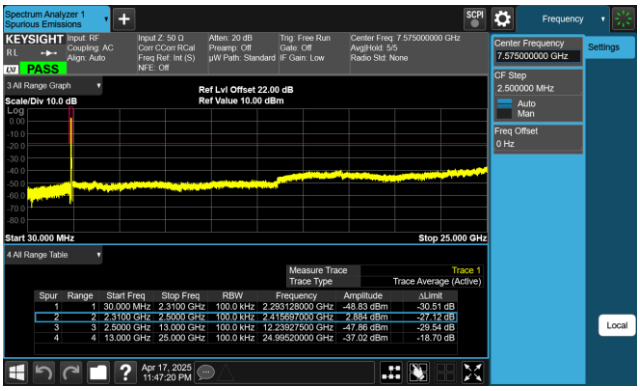
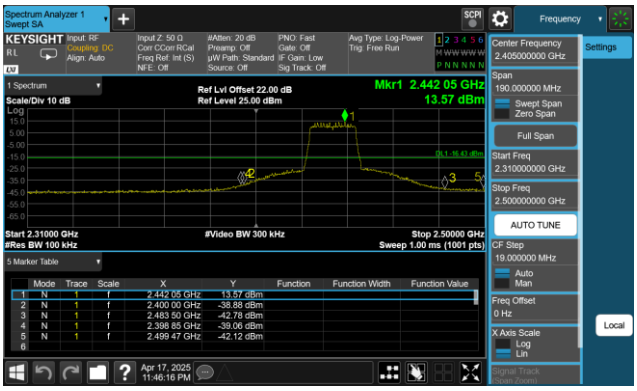
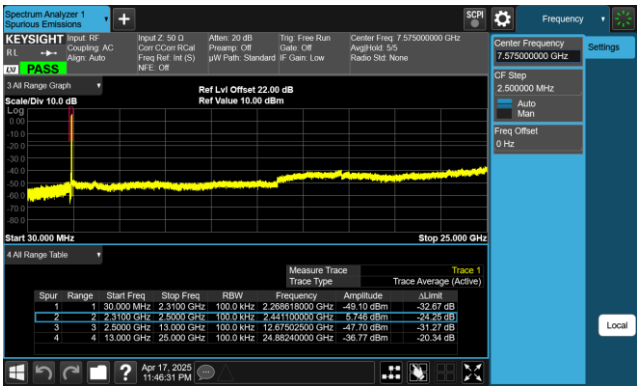
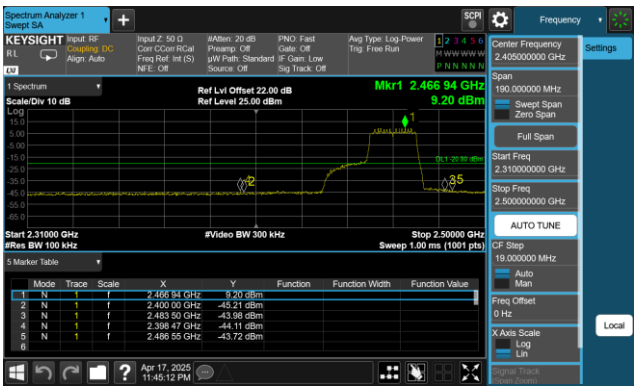
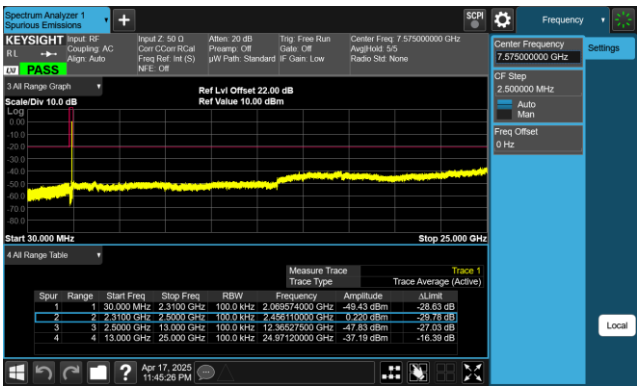


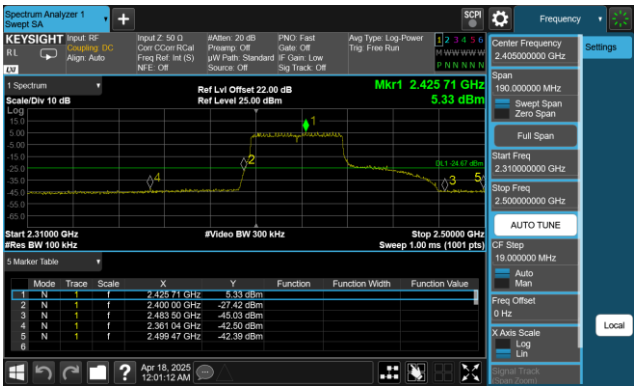
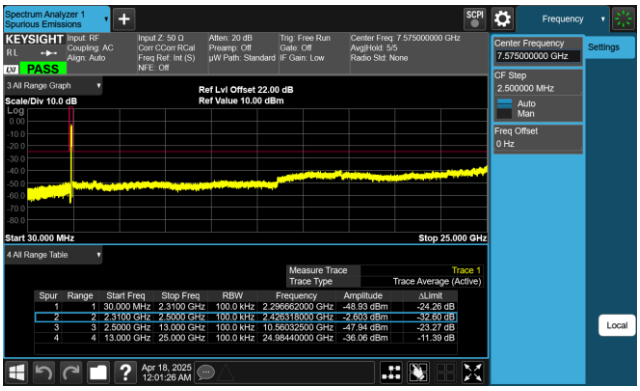
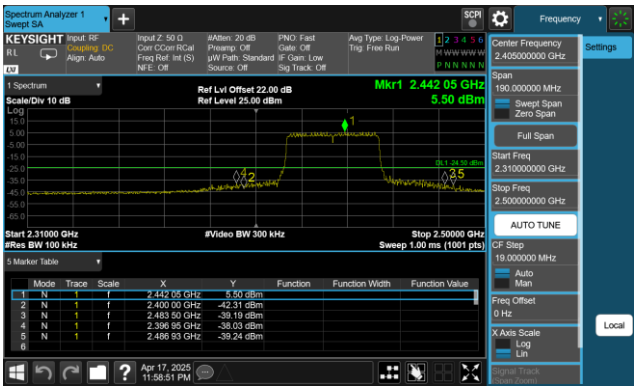
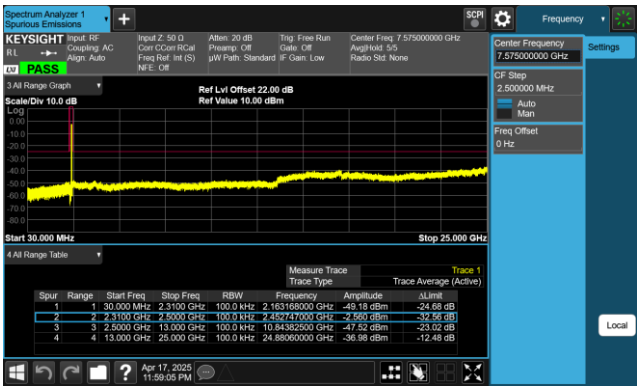
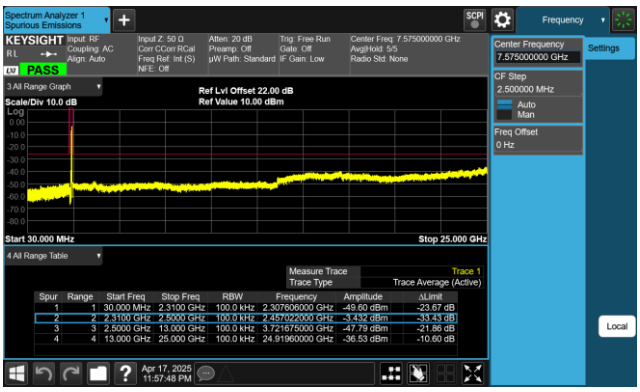
| 802.11 n20 CH01 (2412MHz) | 802.11 n20 CH01 (2412MHz) |
|---|---|
| |  |
| **802.11 n20 CH06 (2437MHz)** | **802.11 n20 CH06 (2437MHz)** |
| |  |
| **802.11 n20 CH11 (2462MHz)** | **802.11 n20 CH11 (2462MHz)** |
| |  |

| 802.11 n40 CH03 (2422MHz) | 802.11 n40 CH03 (2422MHz) |
|---|---|
| |  |
| **802.11 n40 CH06 (2437MHz)** | **802.11 n40 CH06 (2437MHz)** |
|  |  |
| **802.11 n40 CH09 (2452MHz)** | **802.11 n40 CH09 (2452MHz)** |
| |  |

| 802.11 ax20 CH01 (2412MHz) | 802.11 ax20 CH01 (2412MHz) |
|---|---|
|  |  |
| **802.11 ax20 CH06 (2437MHz)** | **802.11 ax20 CH06 (2437MHz)** |
|  |  |
| **802.11 ax20 CH11 (2462MHz)** | **802.11 ax20 CH11 (2462MHz)** |
| |  |

| 802.11 ax40 CH03 (2422MHz) | 802.11 ax40 CH03 (2422MHz) |
|---|---|
|  |  |
| **802.11 ax40 CH06 (2437MHz)** | **802.11 ax40 CH06 (2437MHz)** |
|  |  |
| **802.11 ax40 CH09 (2452MHz)** | **802.11 ax40 CH09 (2452MHz)** |
| |  |

| 802.11be20 CH01 (2412MHz) | 802.11be20 CH01 (2412MHz) |
|---|---|
|  |  |
| **802.11be20 CH06 (2437MHz)** | **802.11be20 CH06 (2437MHz)** |
|  |  |
| **802.11be20 CH11 (2462MHz)** | **802.11be20 CH11 (2462MHz)** |
|  |  |

| 802.11be40 CH03 (2422MHz) | 802.11be40 CH03 (2422MHz) |
|---|---|
|  |  |
| **802.11be40 CH06 (2437MHz)** | **802.11be40 CH06 (2437MHz)** |
|  |  |
| **802.11be40 CH09 (2452MHz)** | **802.11be40 CH09 (2452MHz)** |
| |  |