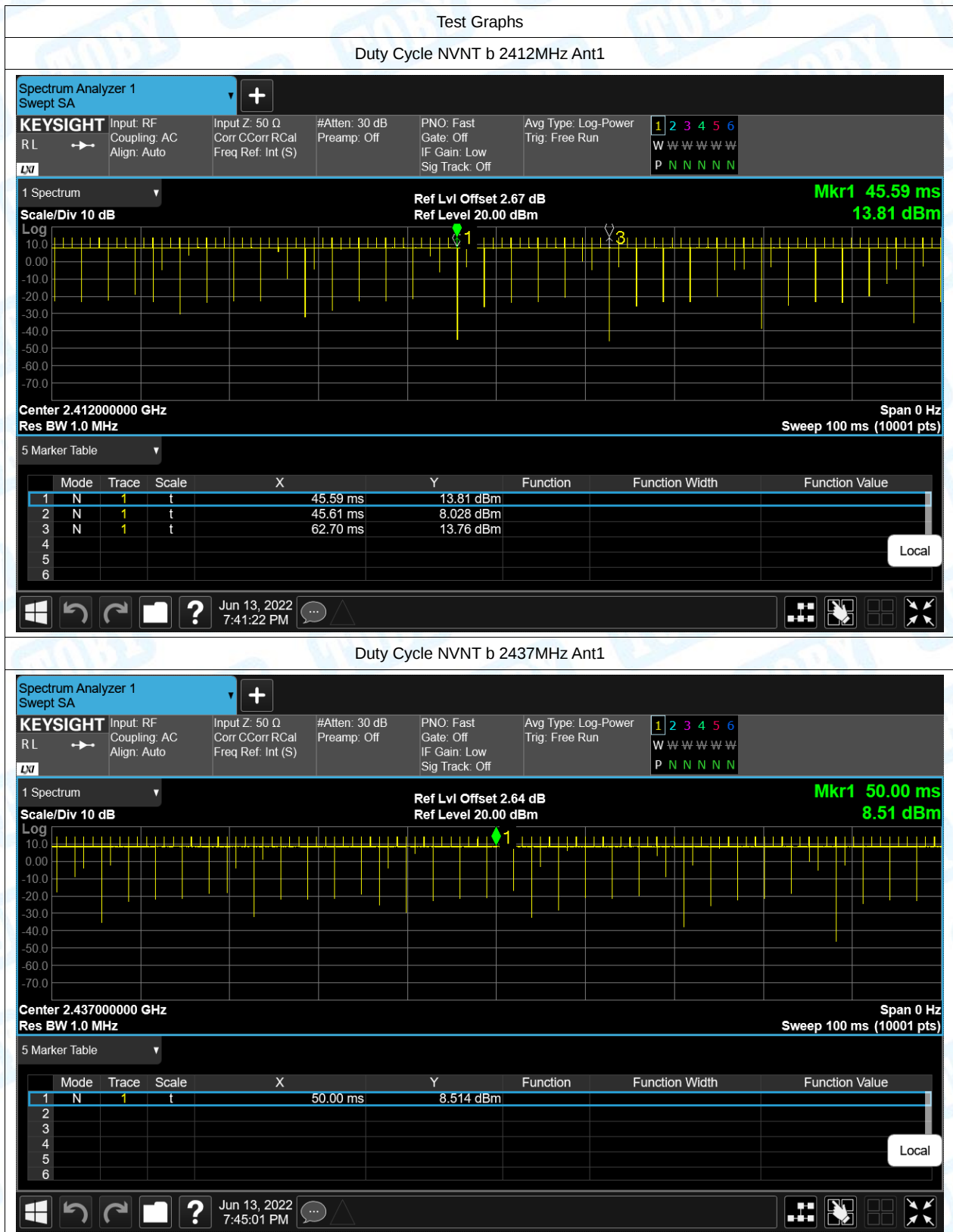


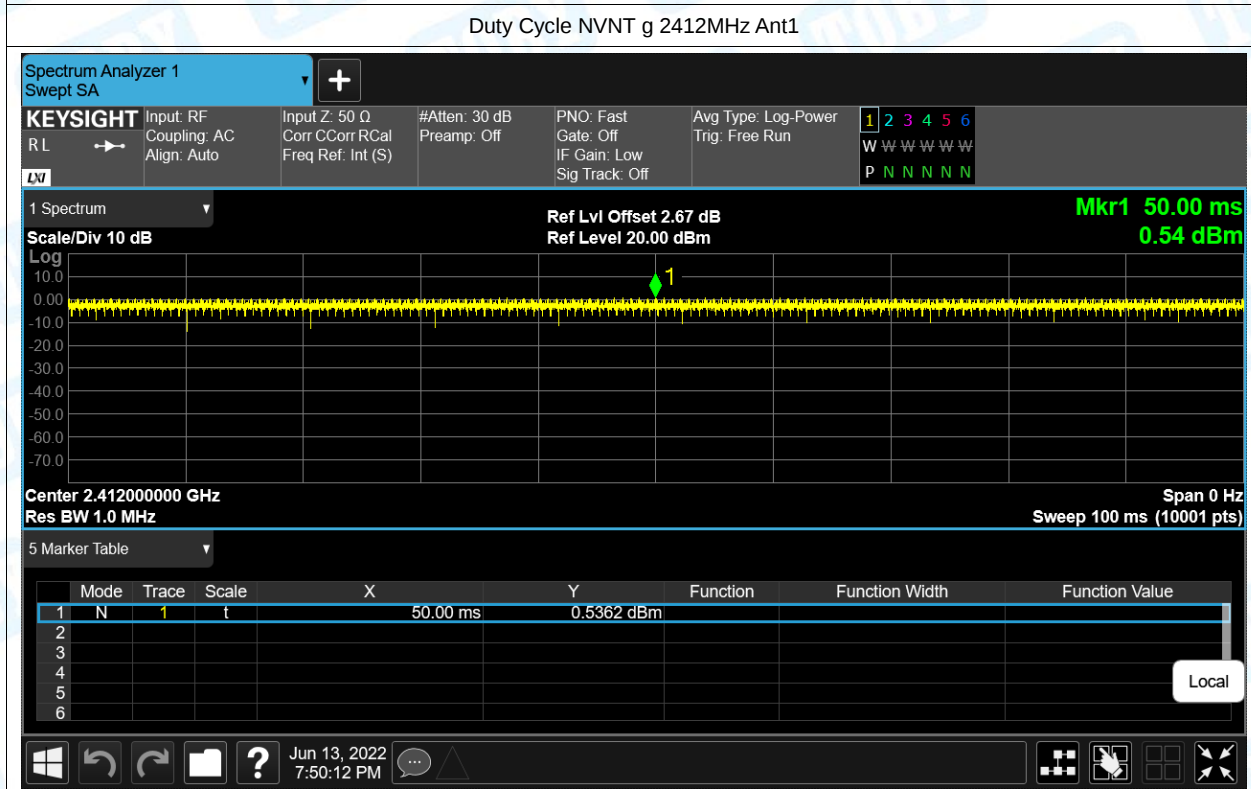
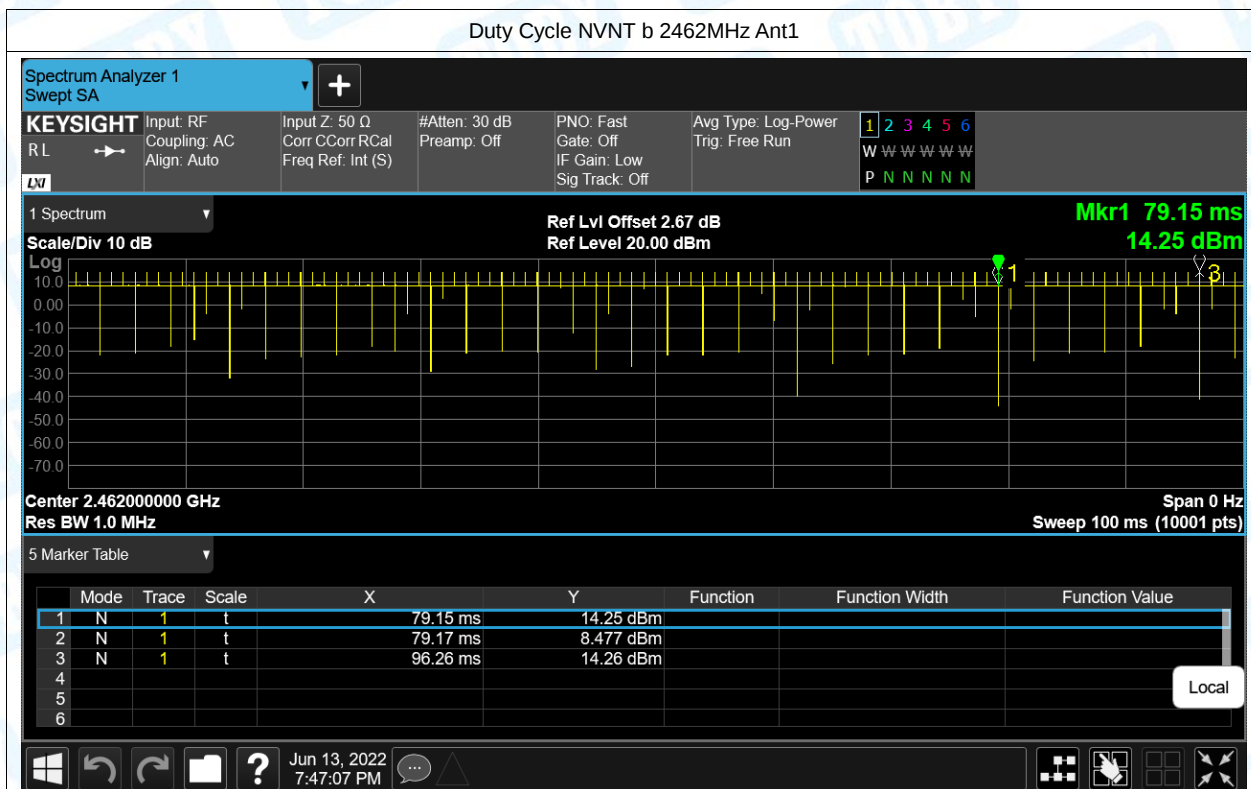
# RF Test Data for 2.4G WiFi (Conducted Measurements)

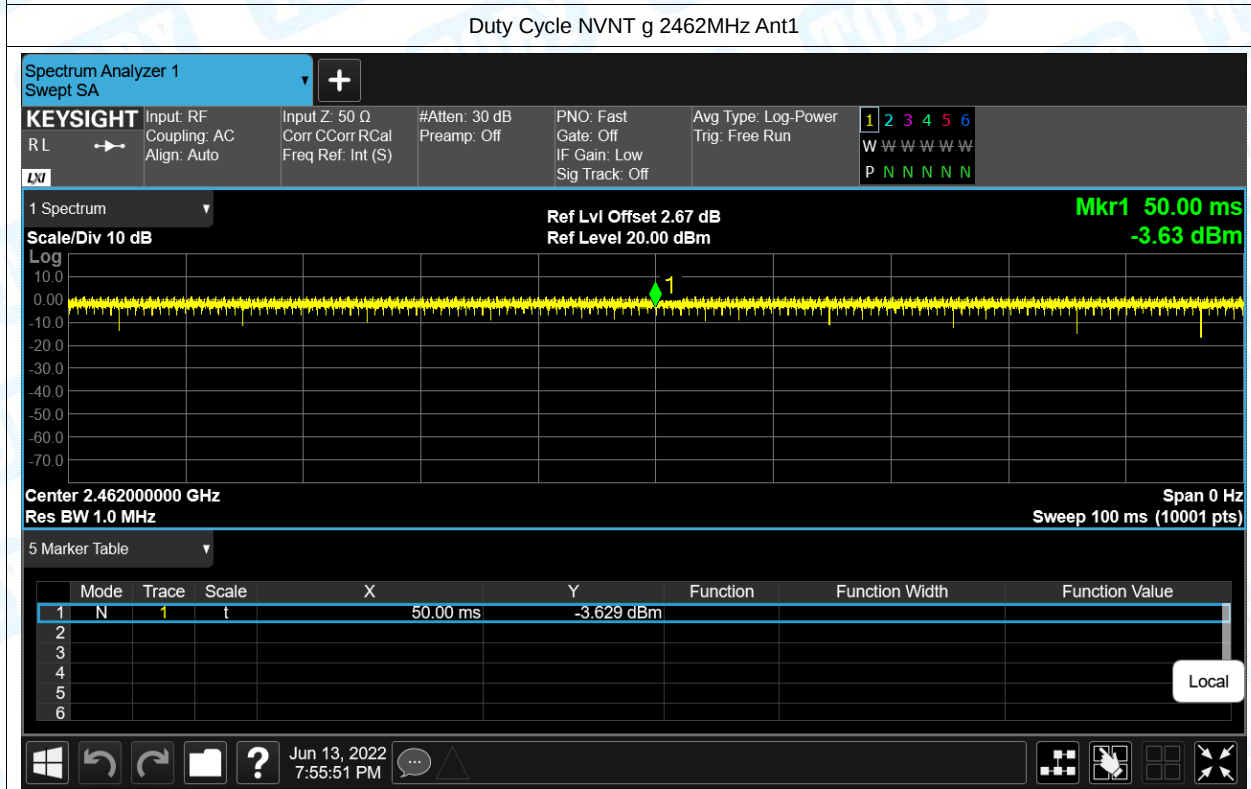
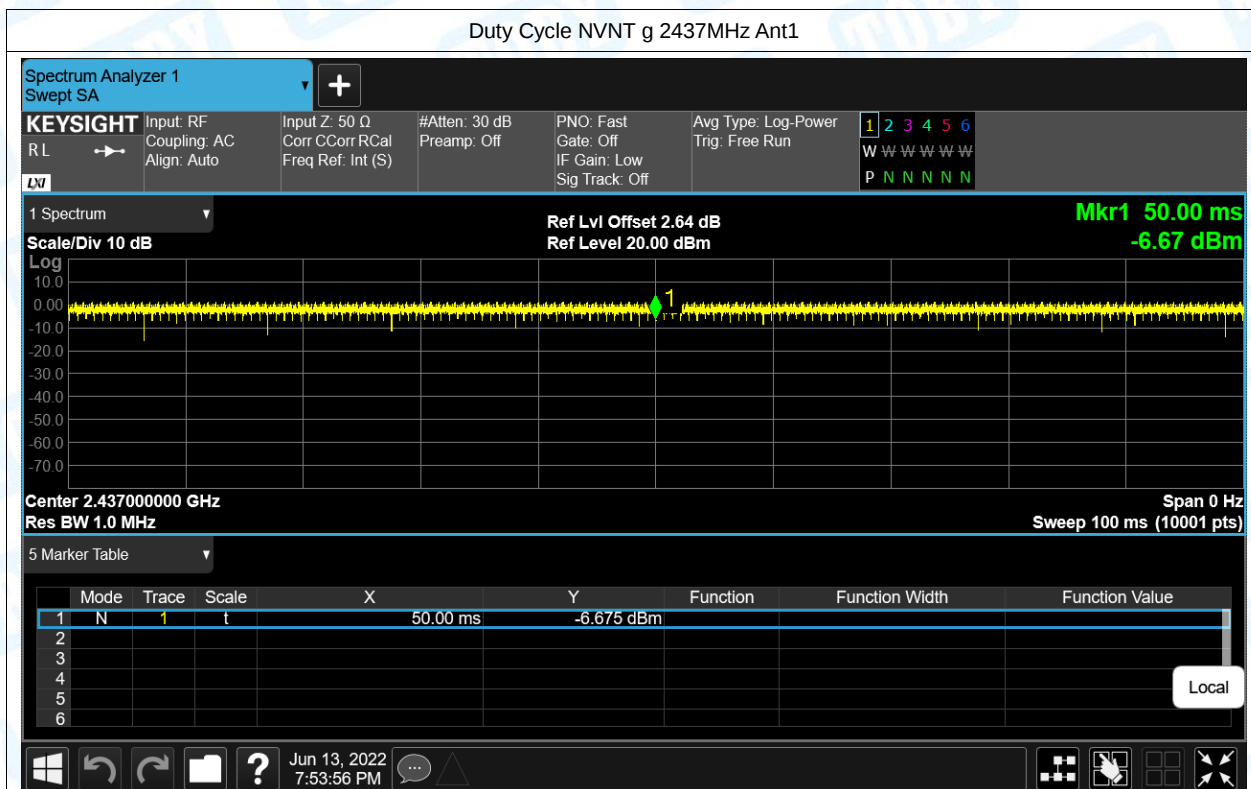
| General Description of EUT                                                                       |                                       |
|--------------------------------------------------------------------------------------------------|---------------------------------------|
| Product Name:                                                                                    | Smart AC Controller with Touch Button |
| Test Model:                                                                                      | TS06Pro                               |
| Sample ID:                                                                                       | RW-C-202205-0291-3-2#                 |
| Environmental Conditions                                                                         |                                       |
| Temperature:                                                                                     | 23.8℃                                 |
| Relative Humidity:                                                                               | 48%                                   |
| Test Voltage:                                                                                    | DC 5V                                 |
| Test Engineer:                                                                                   | Huang jian ping                       |
| Note: For a more detailed features description, please refer to the report TBR-C-202205-0291-61. |                                       |

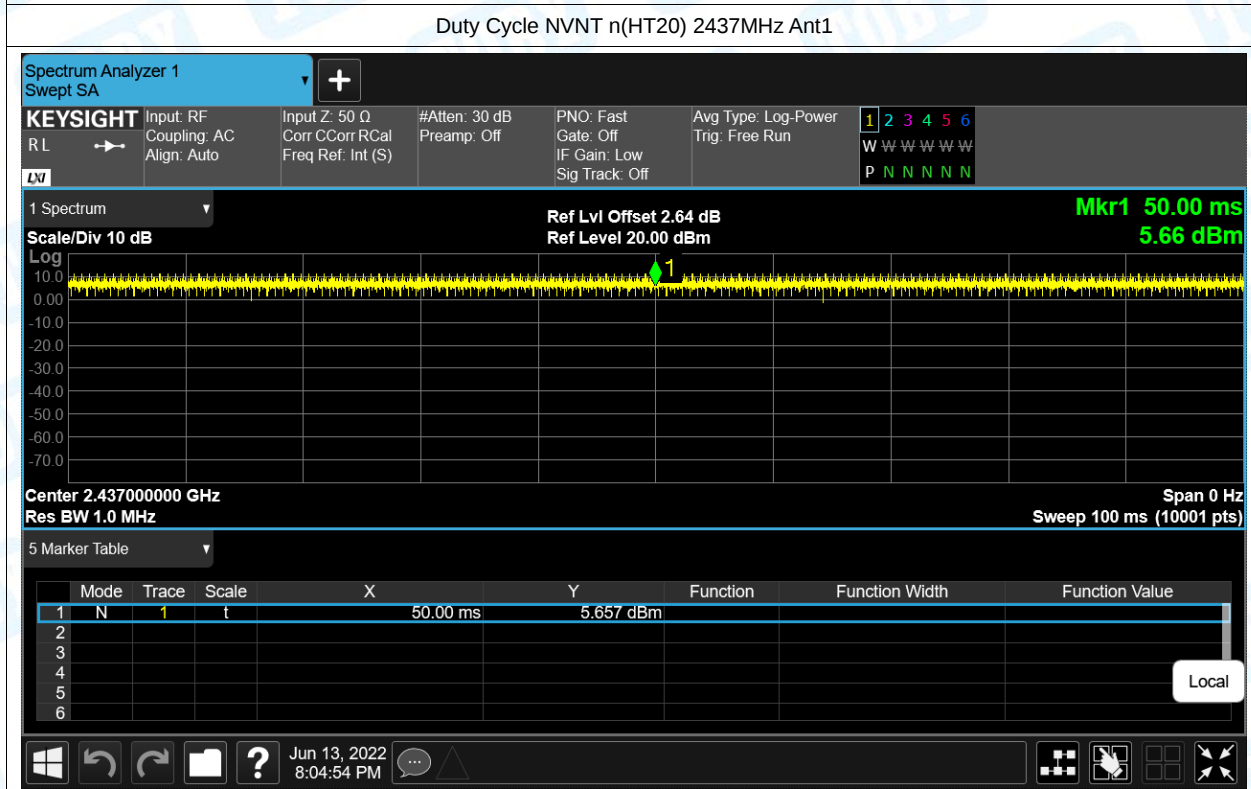
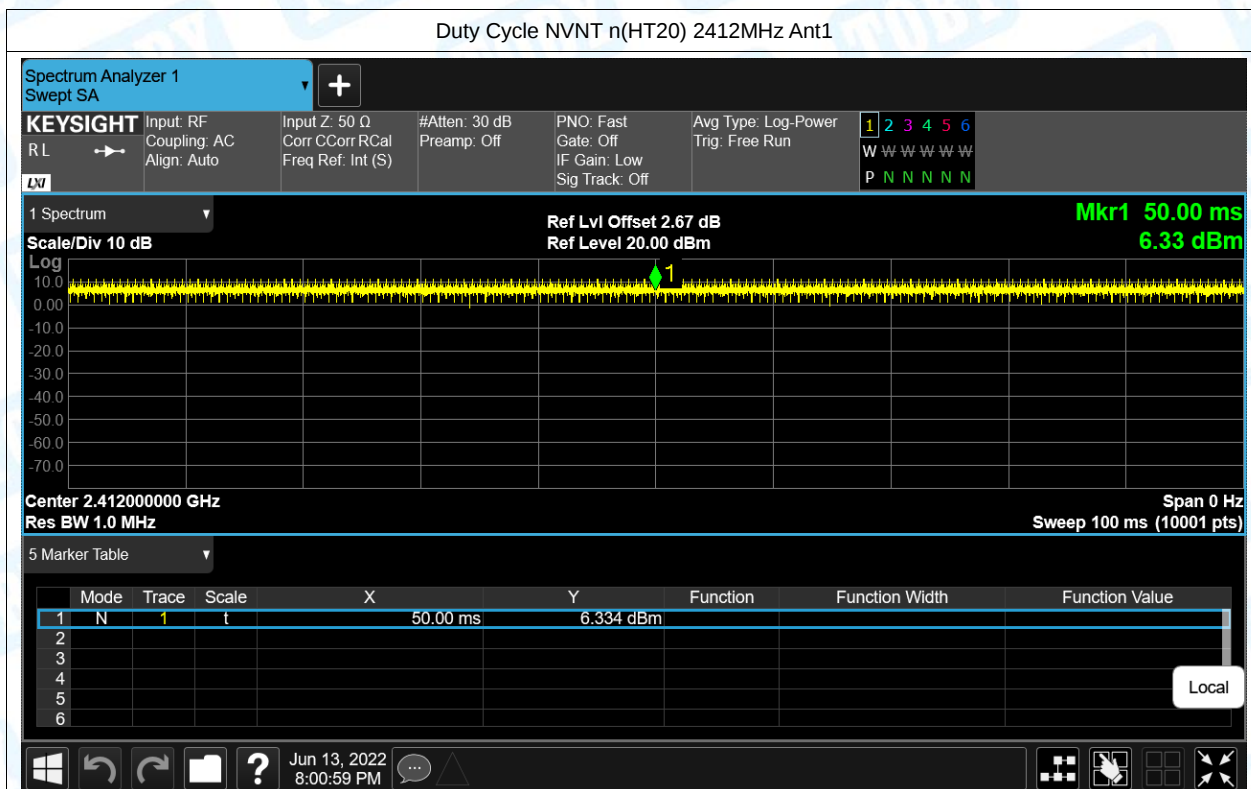
## 1. Duty Cycle

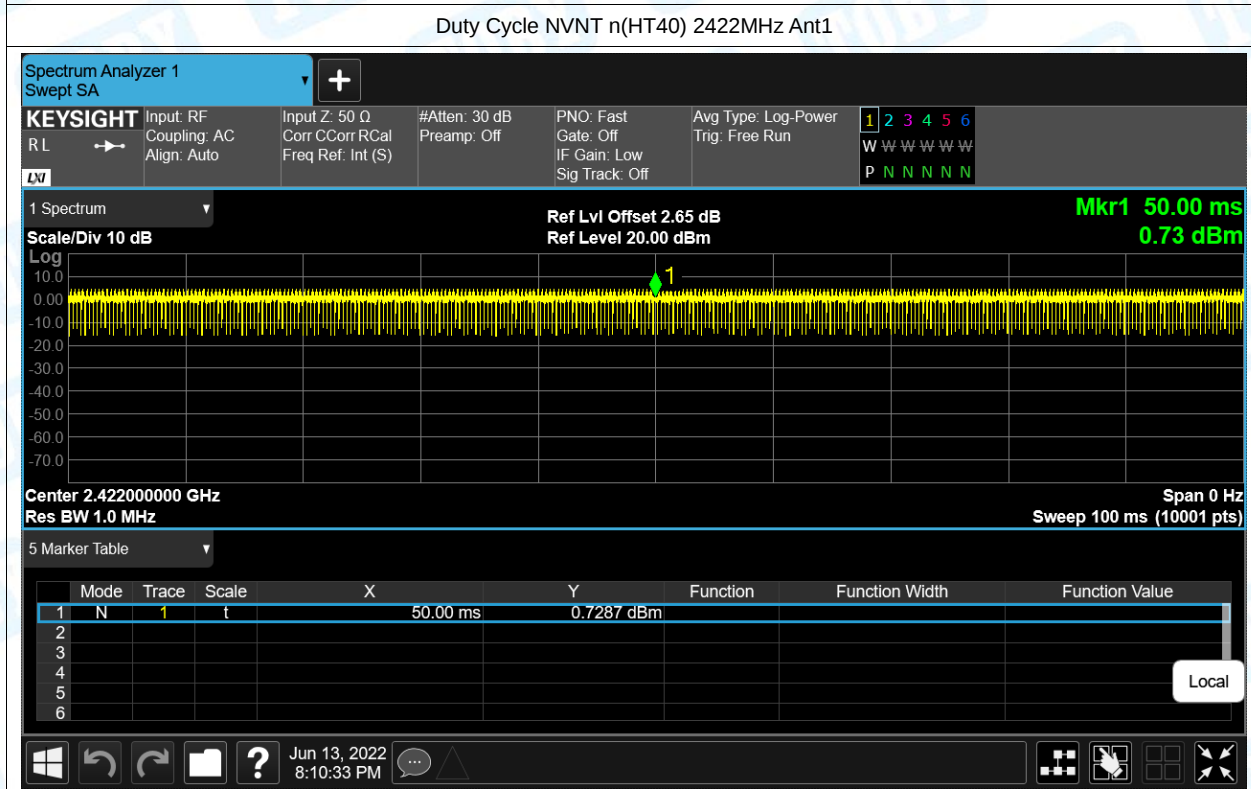
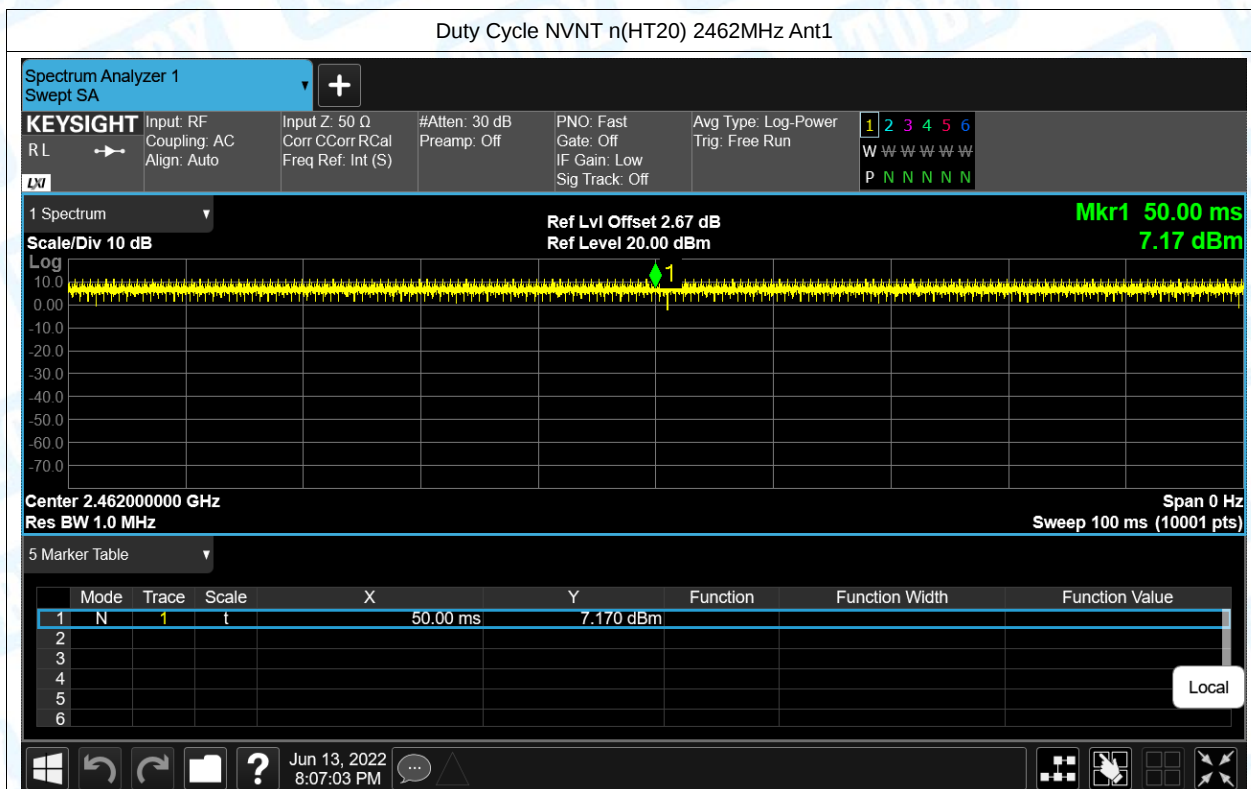
| Condition | Mode    | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|---------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | b       | 2412            | Ant1    | 99.98          | 0                      | 0.06      |
| NVNT      | b       | 2437            | Ant1    | 99.99          | 0                      | 0         |
| NVNT      | b       | 2462            | Ant1    | 99.98          | 0                      | 0.06      |
| NVNT      | g       | 2412            | Ant1    | 100            | 0                      | 0         |
| NVNT      | g       | 2437            | Ant1    | 100            | 0                      | 0         |
| NVNT      | g       | 2462            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n(HT20) | 2412            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n(HT20) | 2437            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n(HT20) | 2462            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n(HT40) | 2422            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n(HT40) | 2437            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n(HT40) | 2452            | Ant1    | 100            | 0                      | 0         |



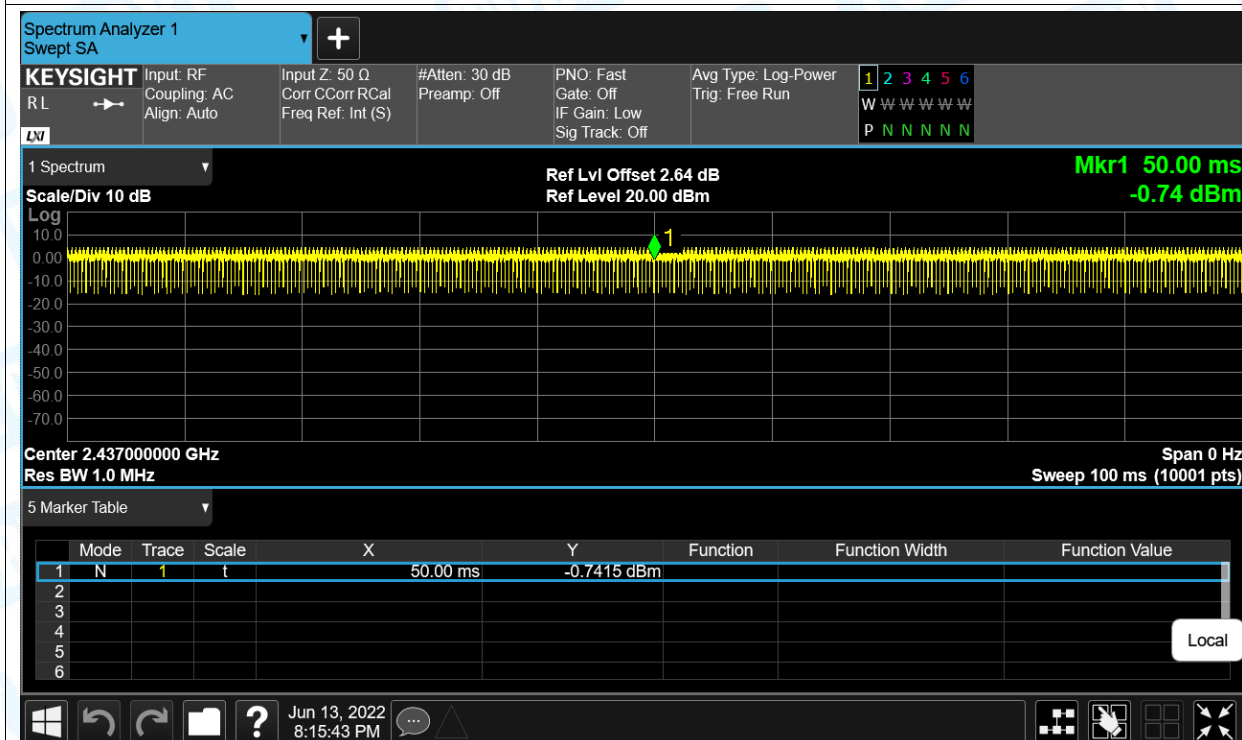




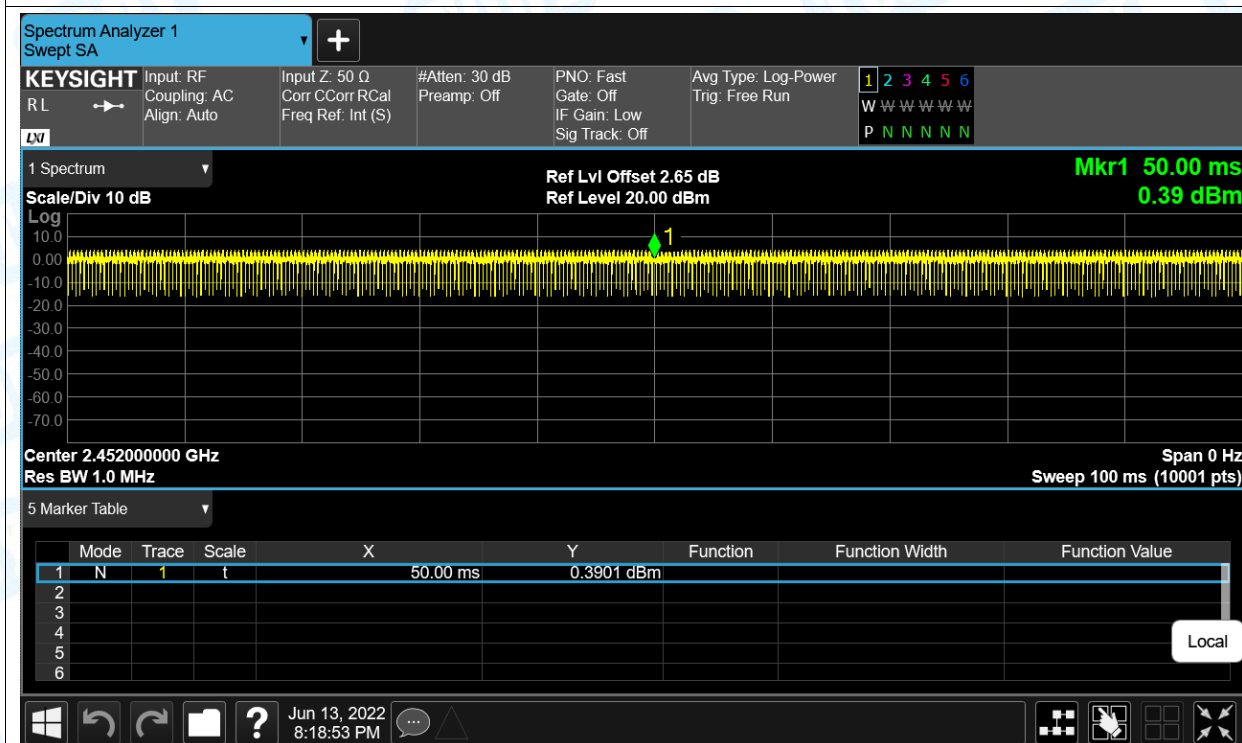




Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



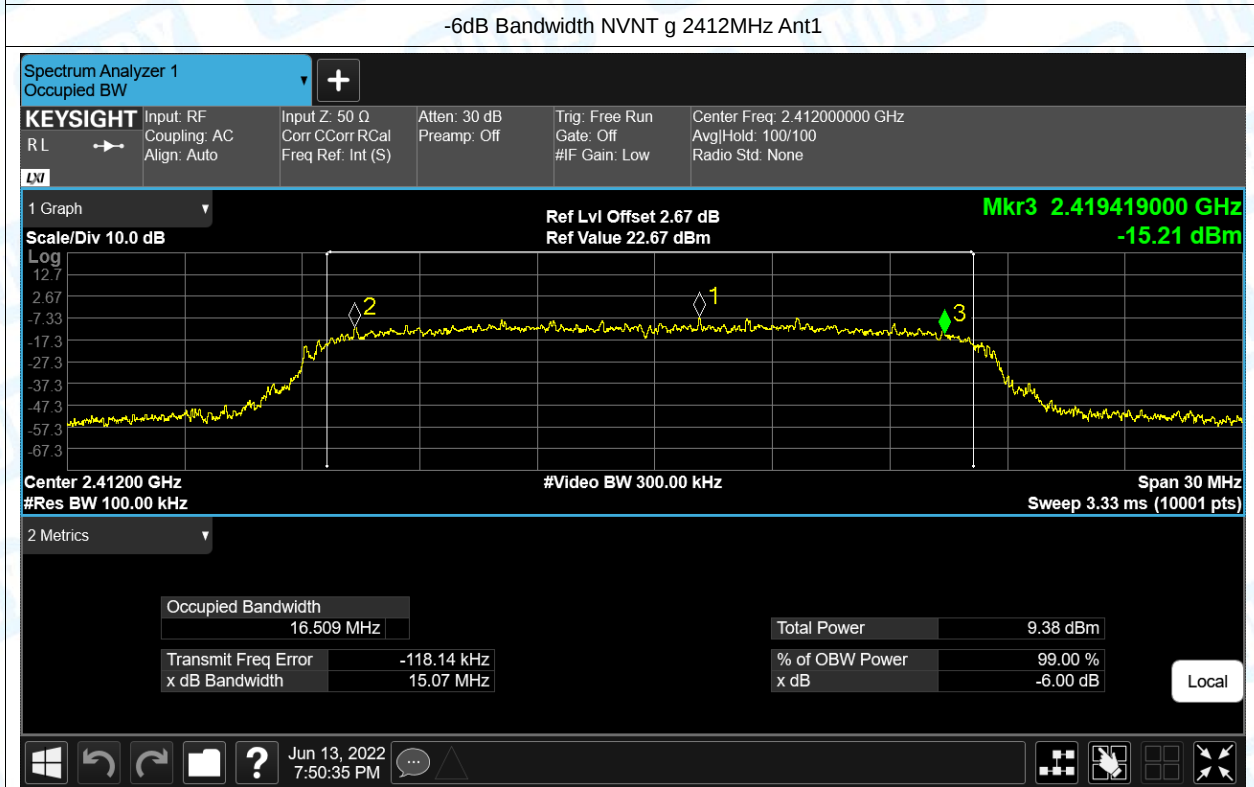
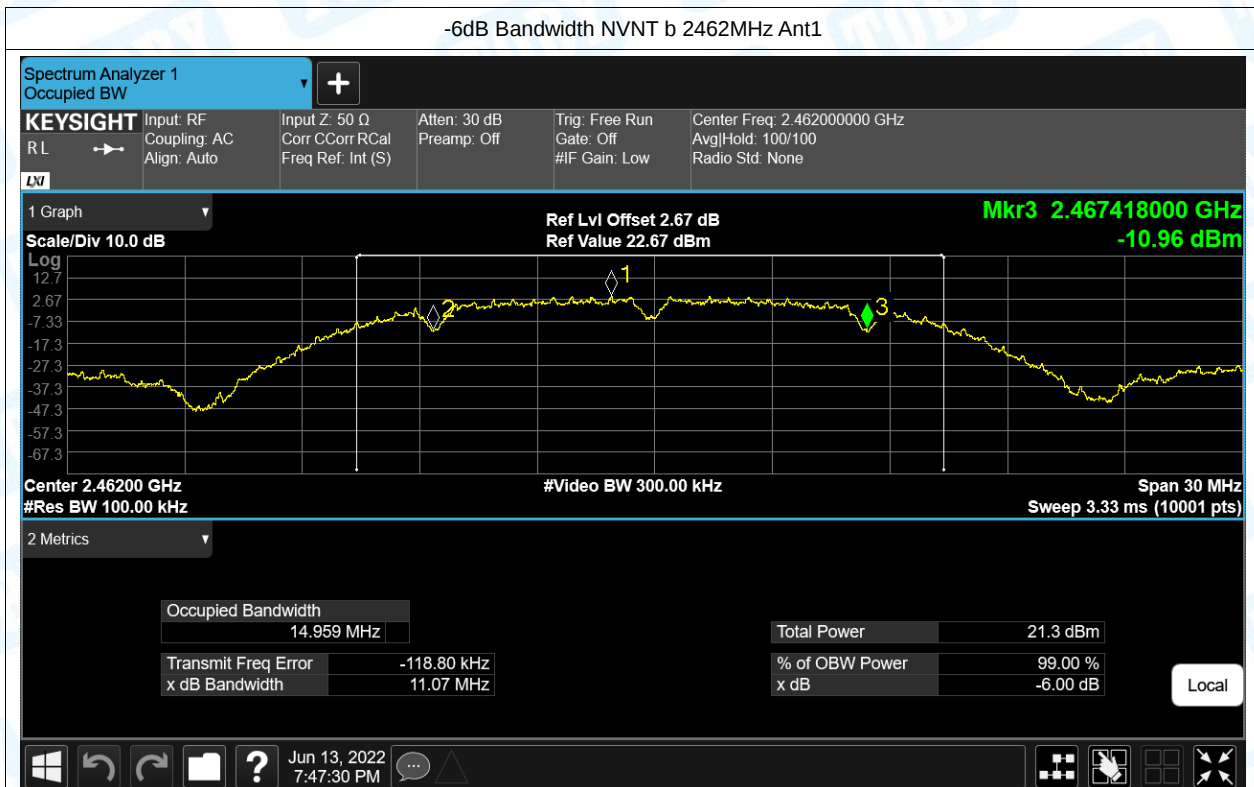
## 2. Maximum Conducted Output Power

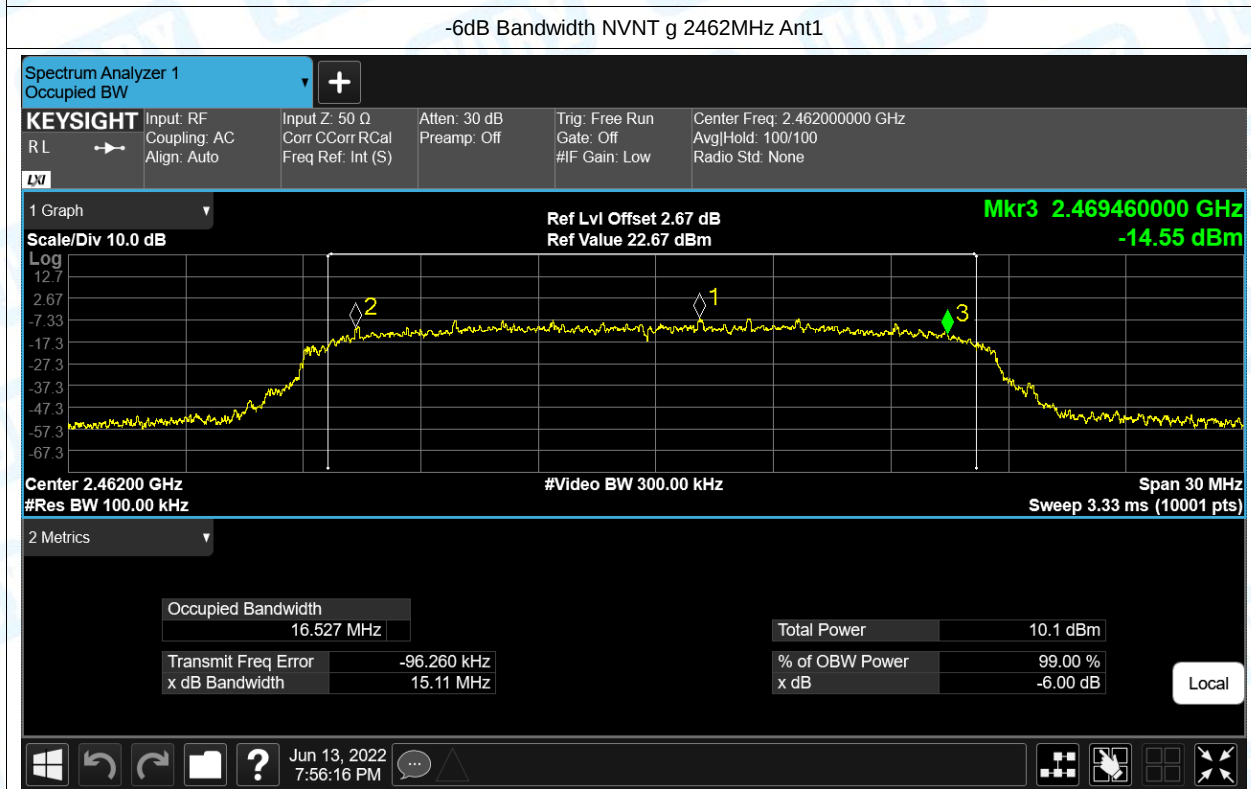
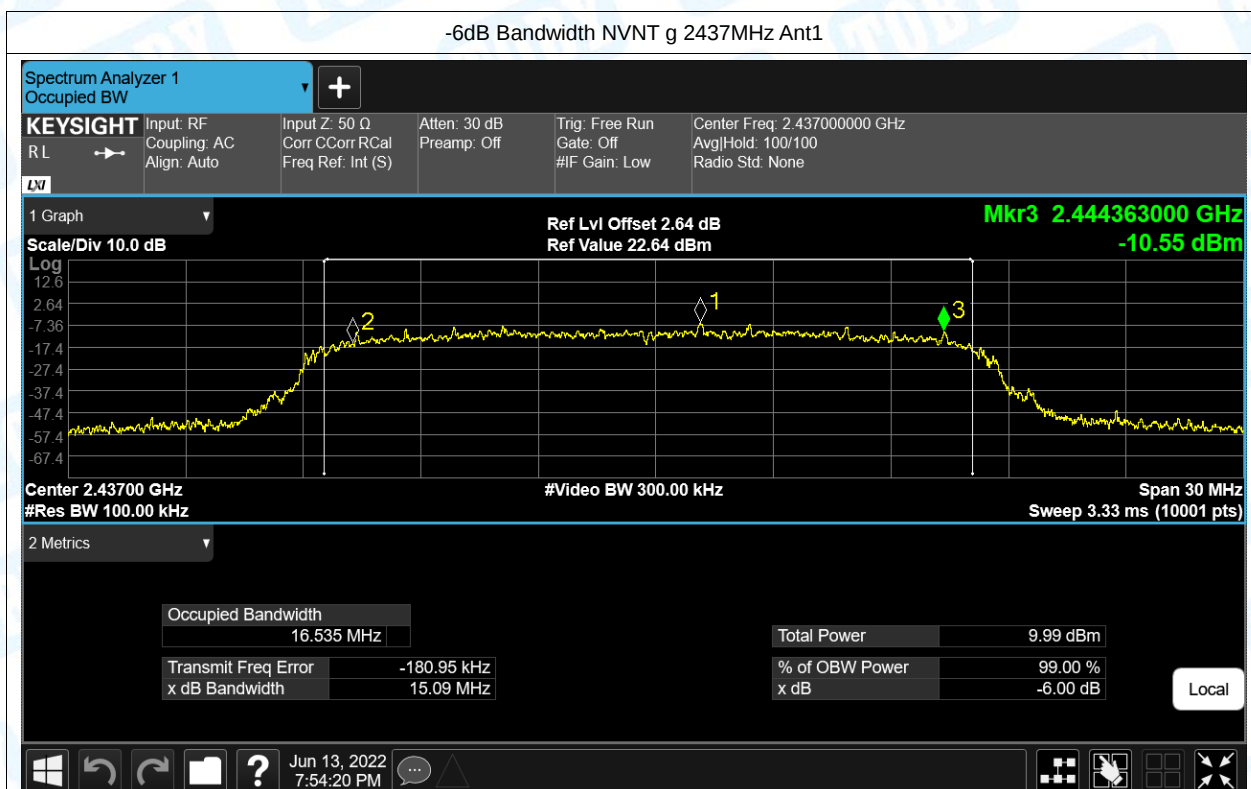
| Condition | Mode    | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | b       | 2412            | Ant1    | 16.03                 | 30          | Pass    |
| NVNT      | b       | 2437            | Ant1    | 16.53                 | 30          | Pass    |
| NVNT      | b       | 2462            | Ant1    | 16.49                 | 30          | Pass    |
| NVNT      | g       | 2412            | Ant1    | 17.45                 | 30          | Pass    |
| NVNT      | g       | 2437            | Ant1    | 17.66                 | 30          | Pass    |
| NVNT      | g       | 2462            | Ant1    | 17.60                 | 30          | Pass    |
| NVNT      | n(HT20) | 2412            | Ant1    | 17.03                 | 30          | Pass    |
| NVNT      | n(HT20) | 2437            | Ant1    | 17.18                 | 30          | Pass    |
| NVNT      | n(HT20) | 2462            | Ant1    | 17.16                 | 30          | Pass    |
| NVNT      | n(HT40) | 2422            | Ant1    | 17.75                 | 30          | Pass    |
| NVNT      | n(HT40) | 2437            | Ant1    | 17.63                 | 30          | Pass    |
| NVNT      | n(HT40) | 2452            | Ant1    | 17.43                 | 30          | Pass    |

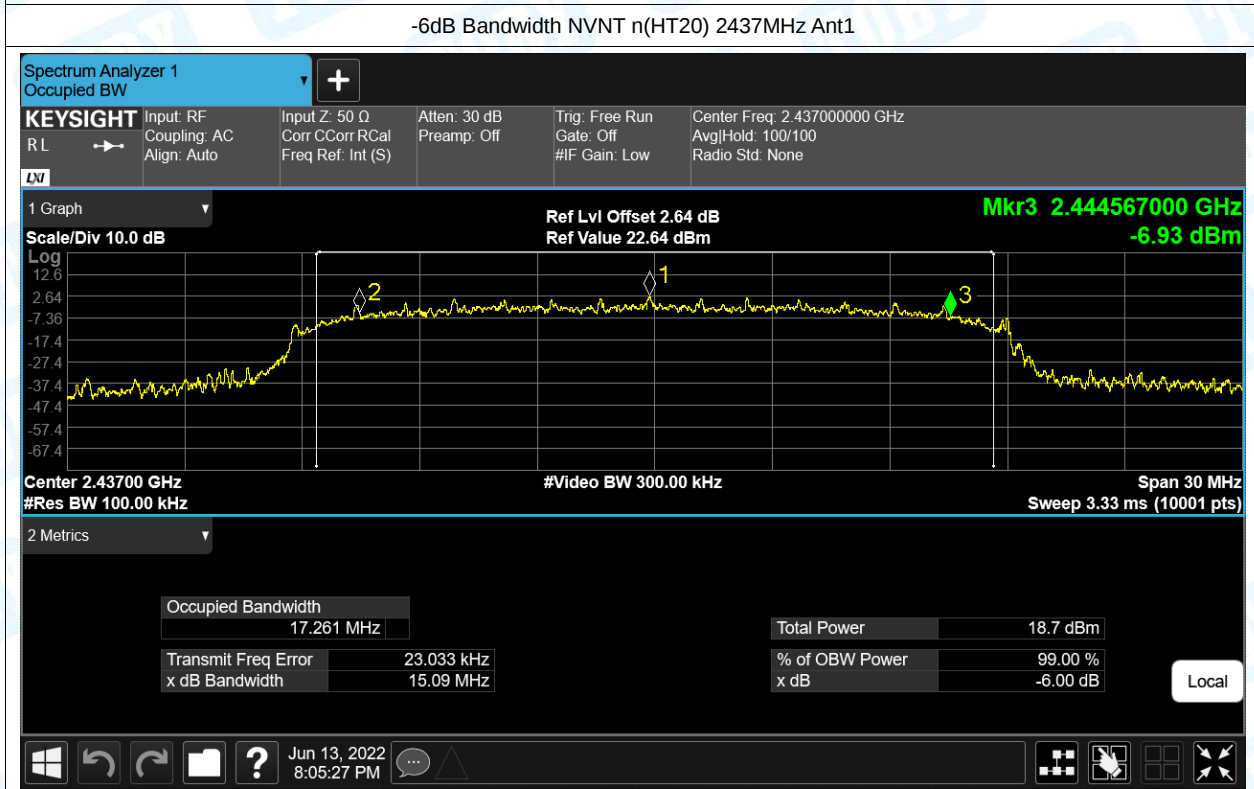
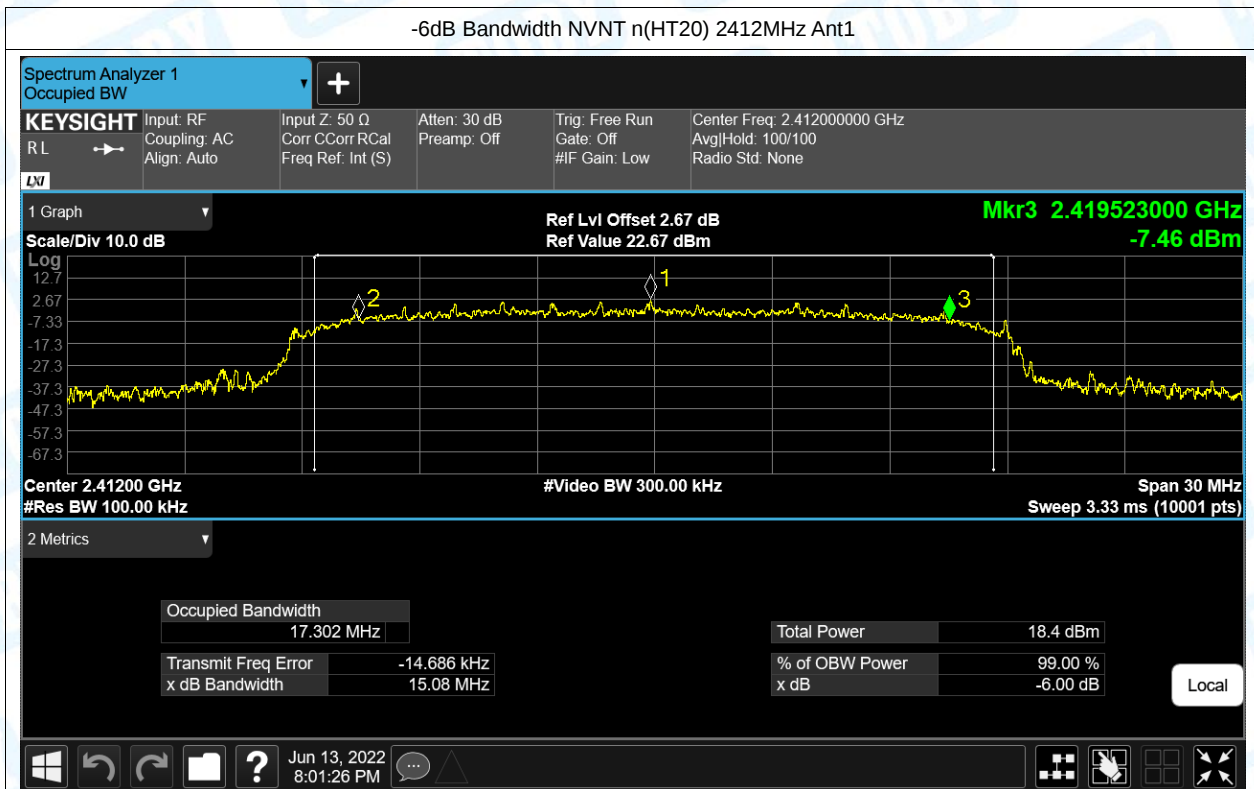
### 3. -6dB Bandwidth

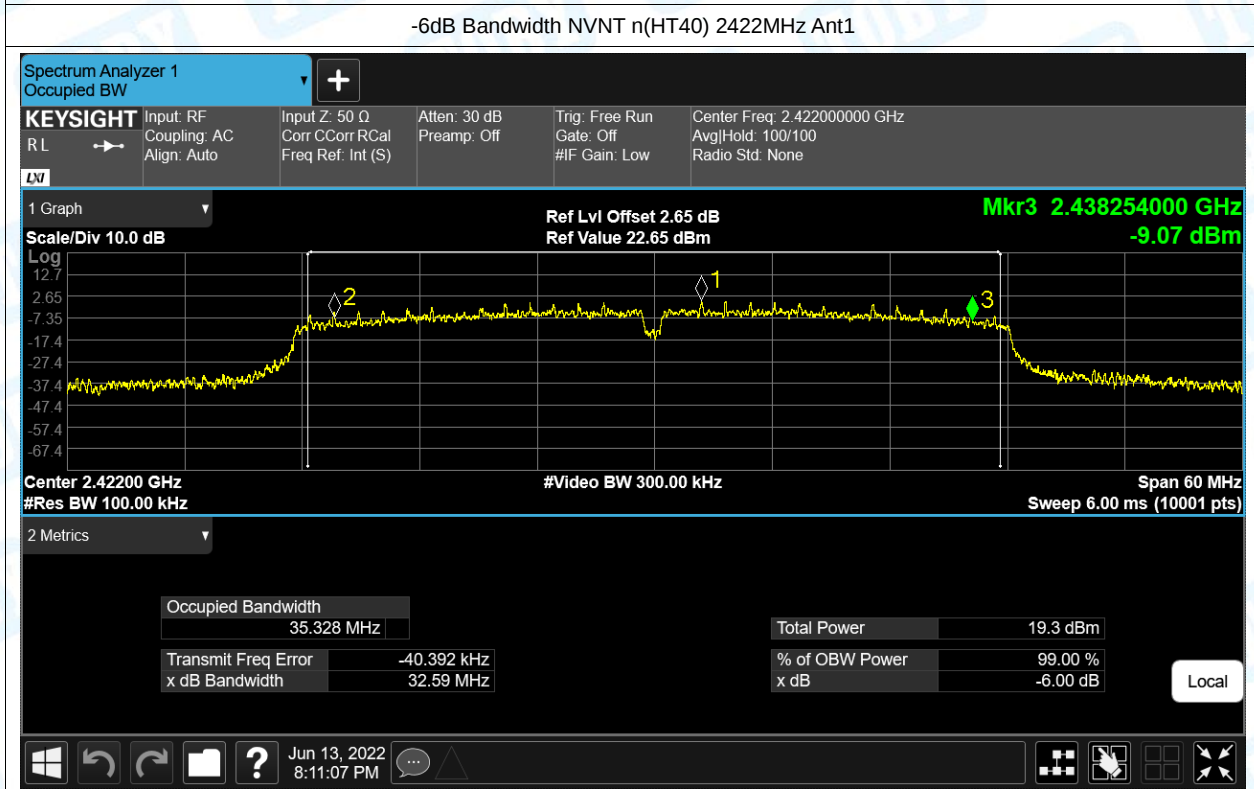
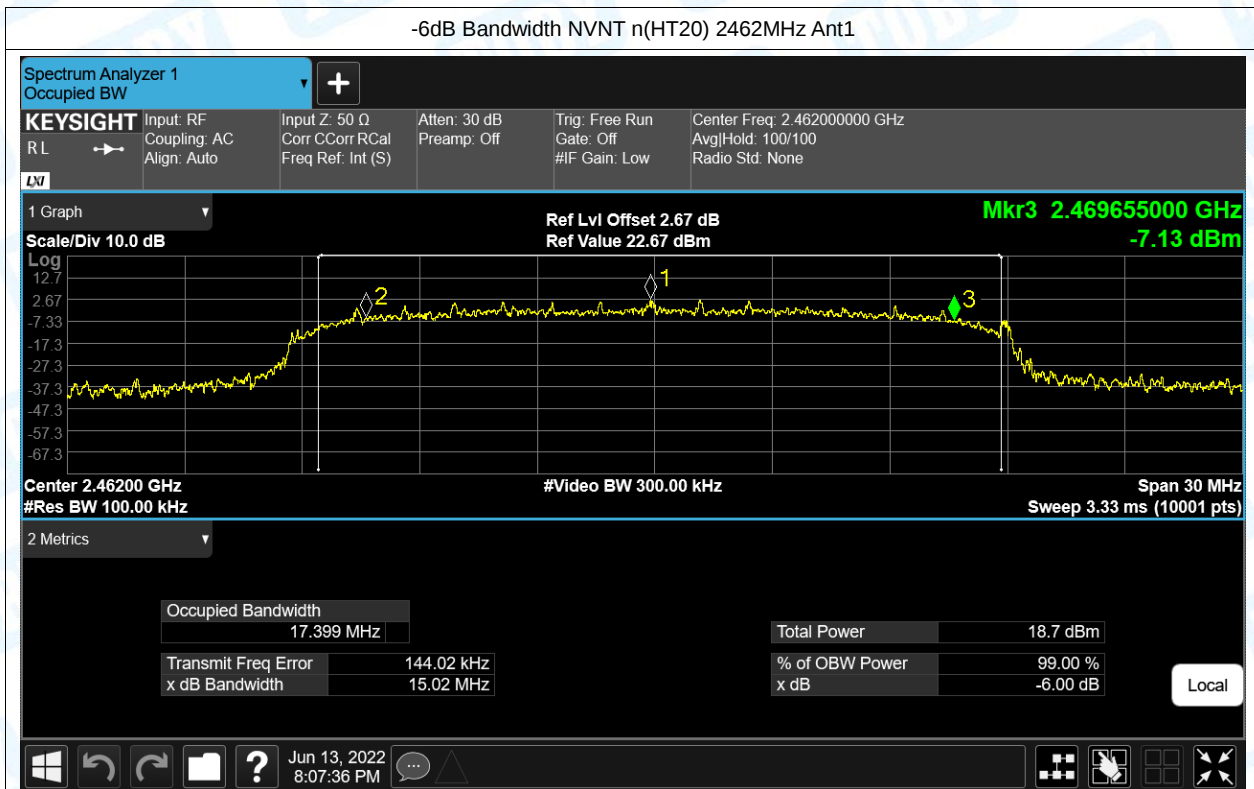
| Condition | Mode    | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|---------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b       | 2412            | Ant1    | 12.06                 | 0.5                         | Pass    |
| NVNT      | b       | 2437            | Ant1    | 12.02                 | 0.5                         | Pass    |
| NVNT      | b       | 2462            | Ant1    | 11.07                 | 0.5                         | Pass    |
| NVNT      | g       | 2412            | Ant1    | 15.07                 | 0.5                         | Pass    |
| NVNT      | g       | 2437            | Ant1    | 15.09                 | 0.5                         | Pass    |
| NVNT      | g       | 2462            | Ant1    | 15.11                 | 0.5                         | Pass    |
| NVNT      | n(HT20) | 2412            | Ant1    | 15.08                 | 0.5                         | Pass    |
| NVNT      | n(HT20) | 2437            | Ant1    | 15.09                 | 0.5                         | Pass    |
| NVNT      | n(HT20) | 2462            | Ant1    | 15.02                 | 0.5                         | Pass    |
| NVNT      | n(HT40) | 2422            | Ant1    | 32.59                 | 0.5                         | Pass    |
| NVNT      | n(HT40) | 2437            | Ant1    | 32.56                 | 0.5                         | Pass    |
| NVNT      | n(HT40) | 2452            | Ant1    | 33.8                  | 0.5                         | Pass    |

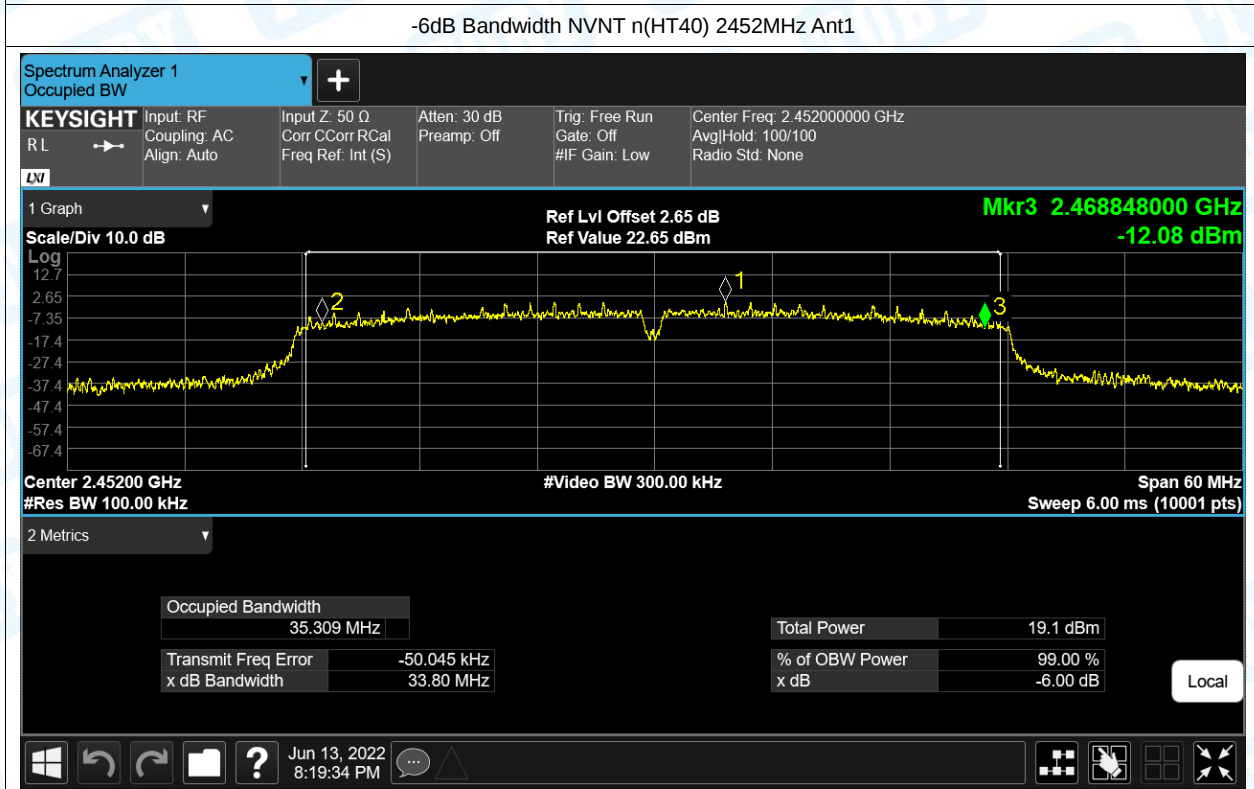
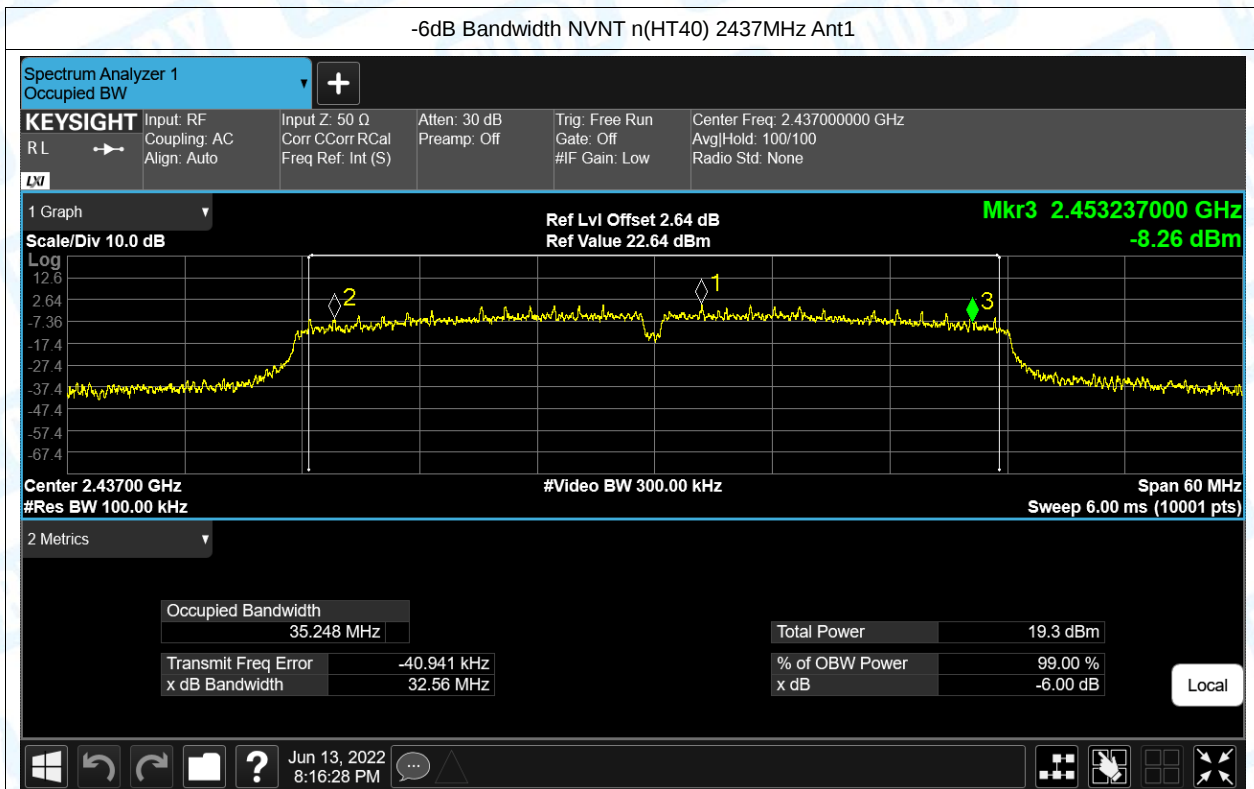






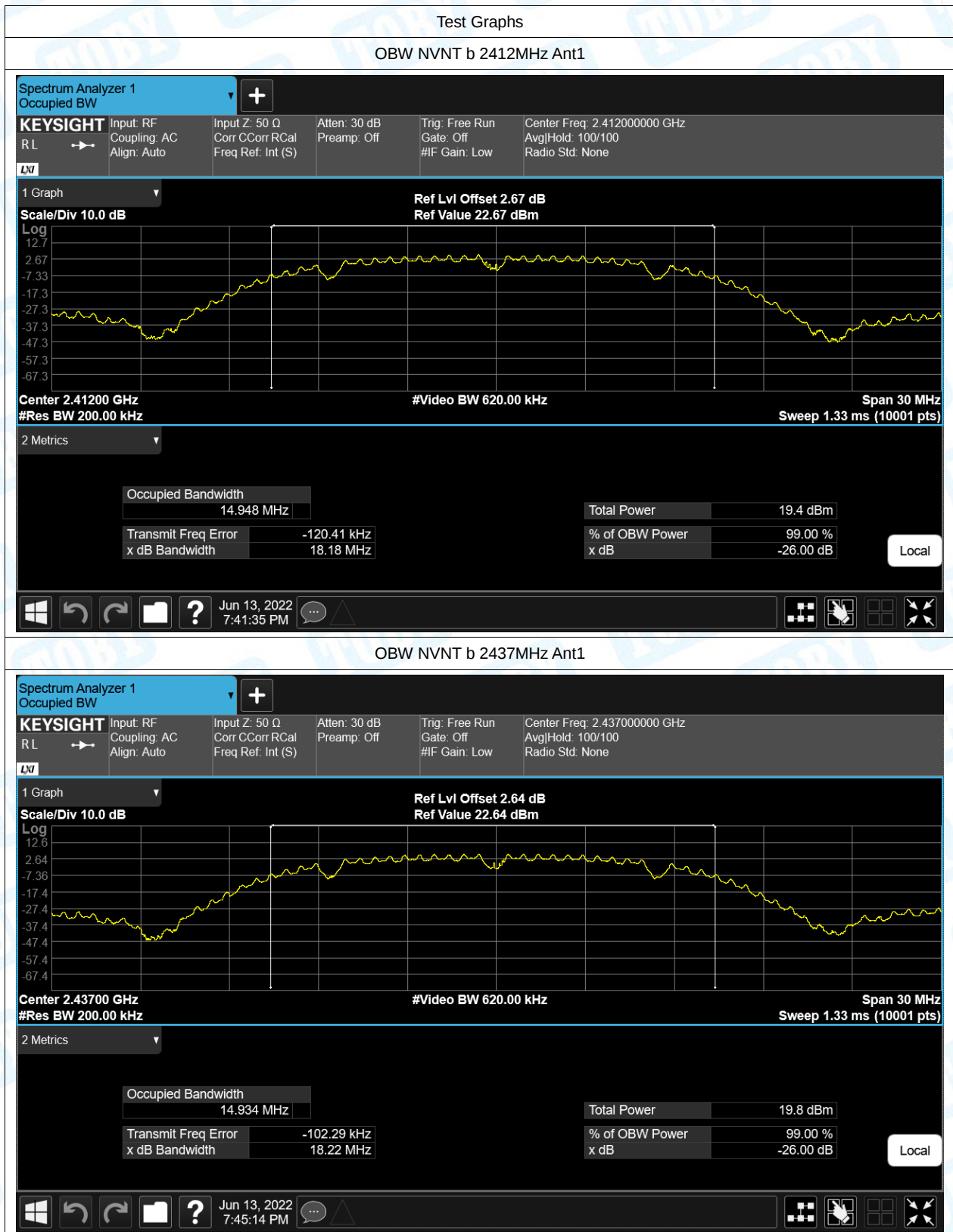


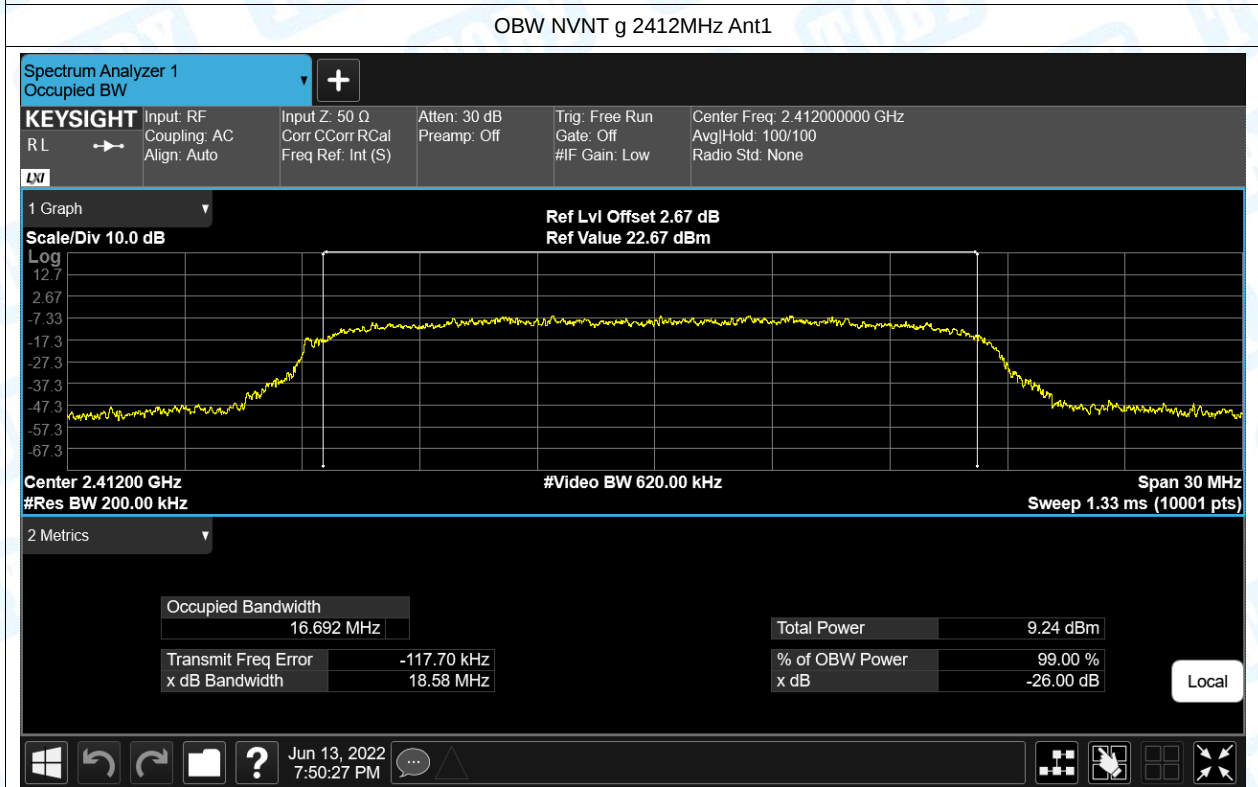


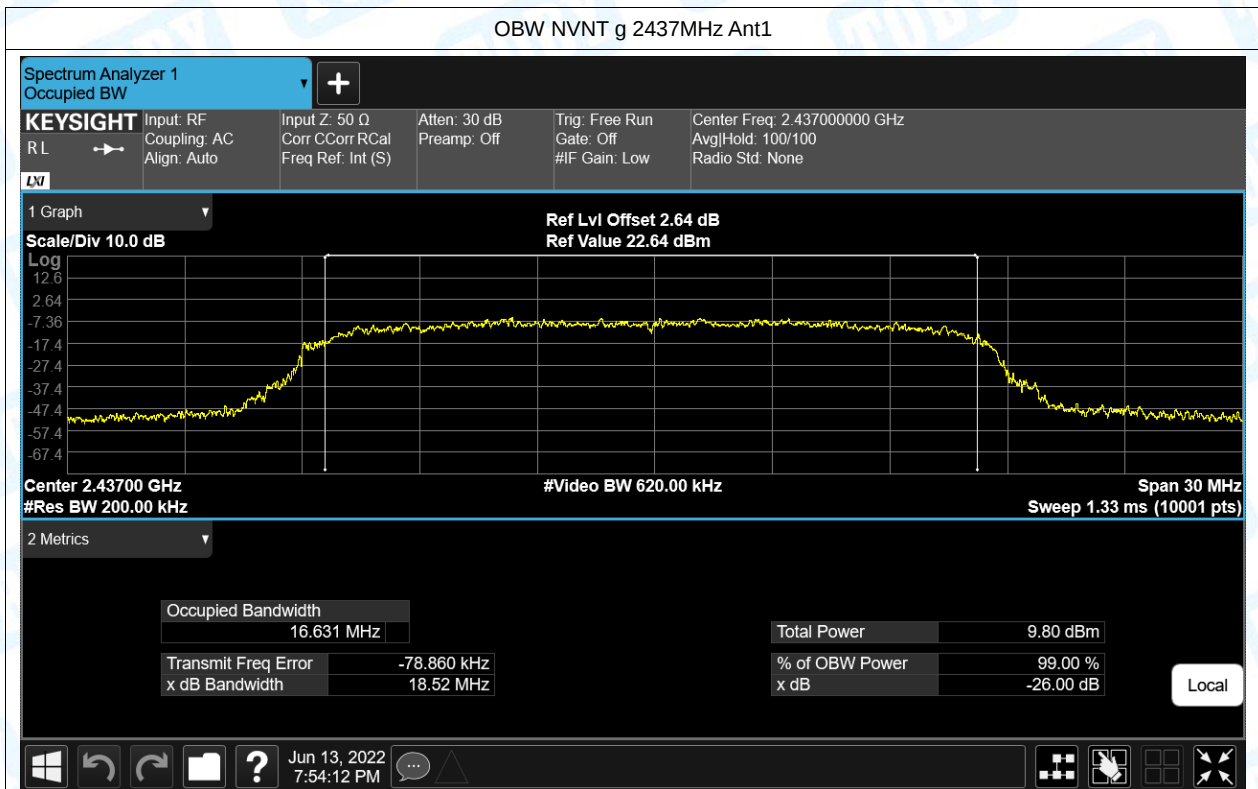


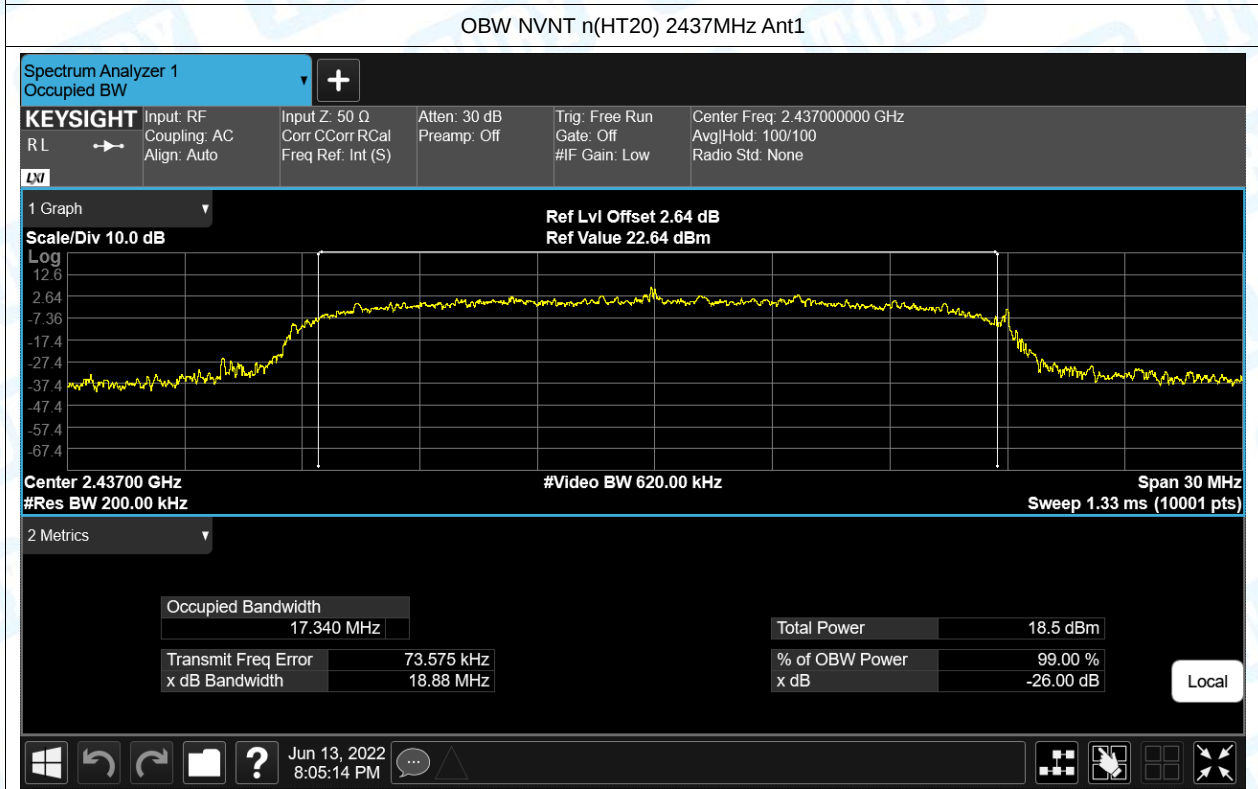
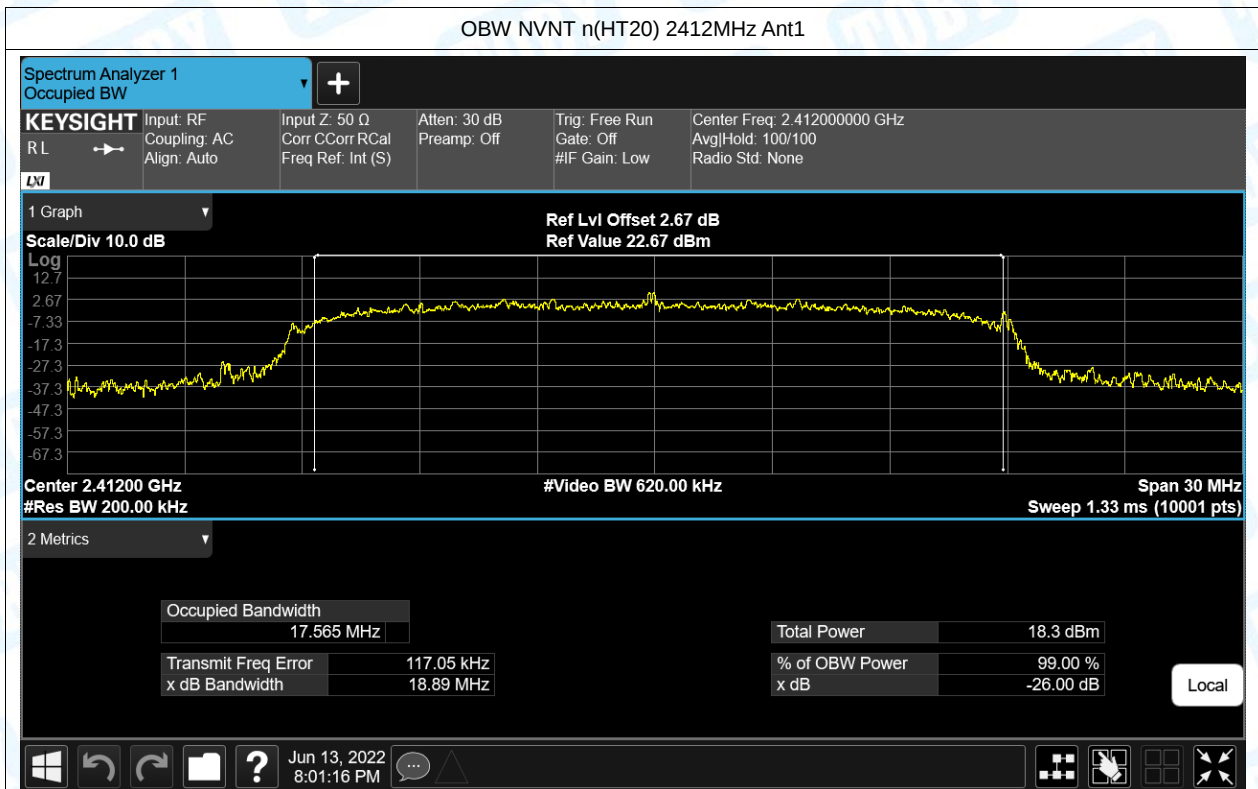
## 4. Occupied Channel Bandwidth

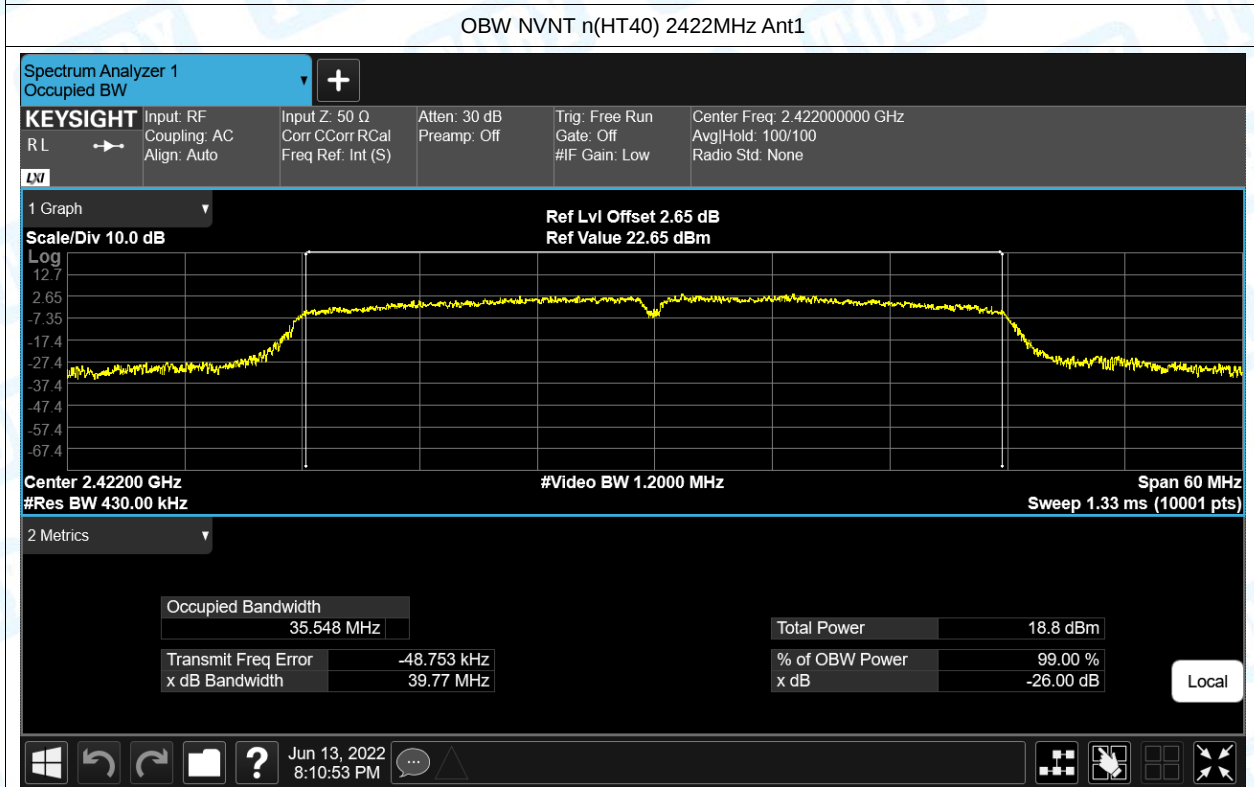
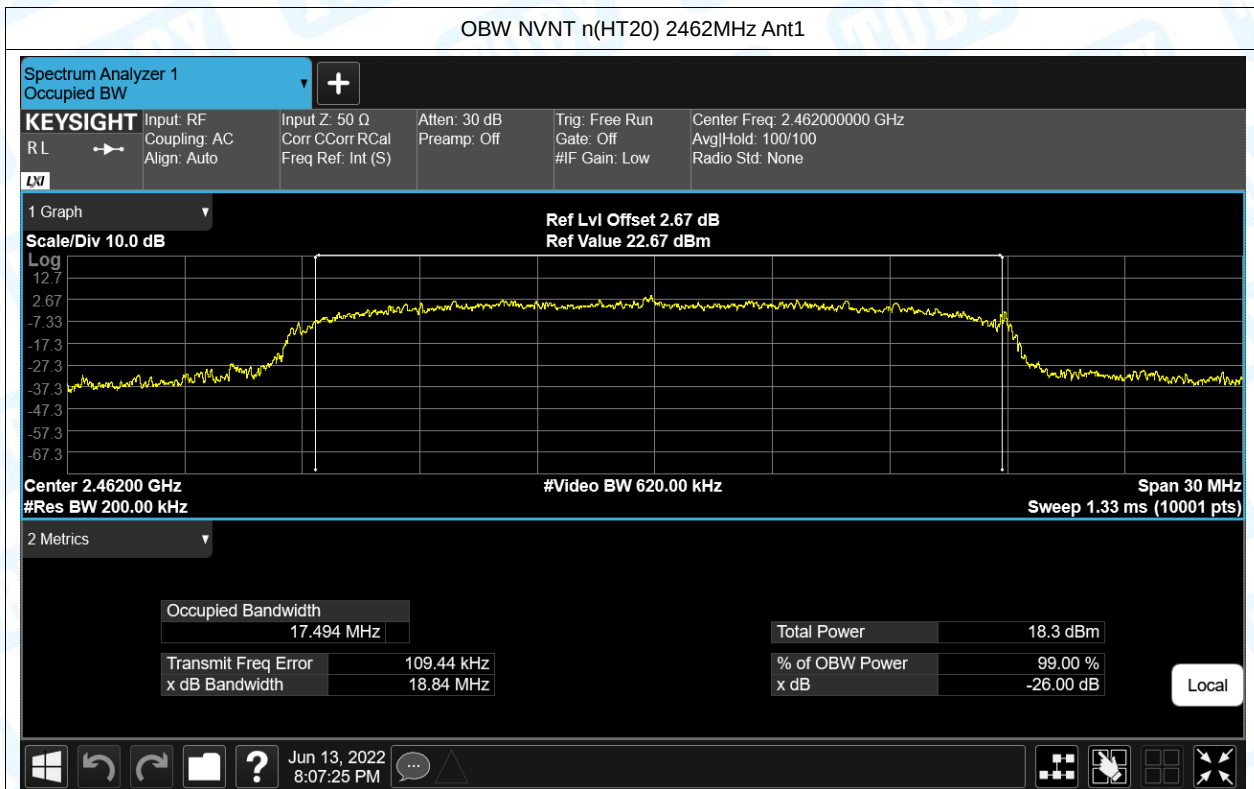
| Condition | Mode    | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|---------|-----------------|---------|---------------|
| NVNT      | b       | 2412            | Ant1    | 14.948        |
| NVNT      | b       | 2437            | Ant1    | 14.934        |
| NVNT      | b       | 2462            | Ant1    | 14.977        |
| NVNT      | g       | 2412            | Ant1    | 16.692        |
| NVNT      | g       | 2437            | Ant1    | 16.631        |
| NVNT      | g       | 2462            | Ant1    | 16.664        |
| NVNT      | n(HT20) | 2412            | Ant1    | 17.565        |
| NVNT      | n(HT20) | 2437            | Ant1    | 17.34         |
| NVNT      | n(HT20) | 2462            | Ant1    | 17.494        |
| NVNT      | n(HT40) | 2422            | Ant1    | 35.548        |
| NVNT      | n(HT40) | 2437            | Ant1    | 35.487        |
| NVNT      | n(HT40) | 2452            | Ant1    | 35.487        |

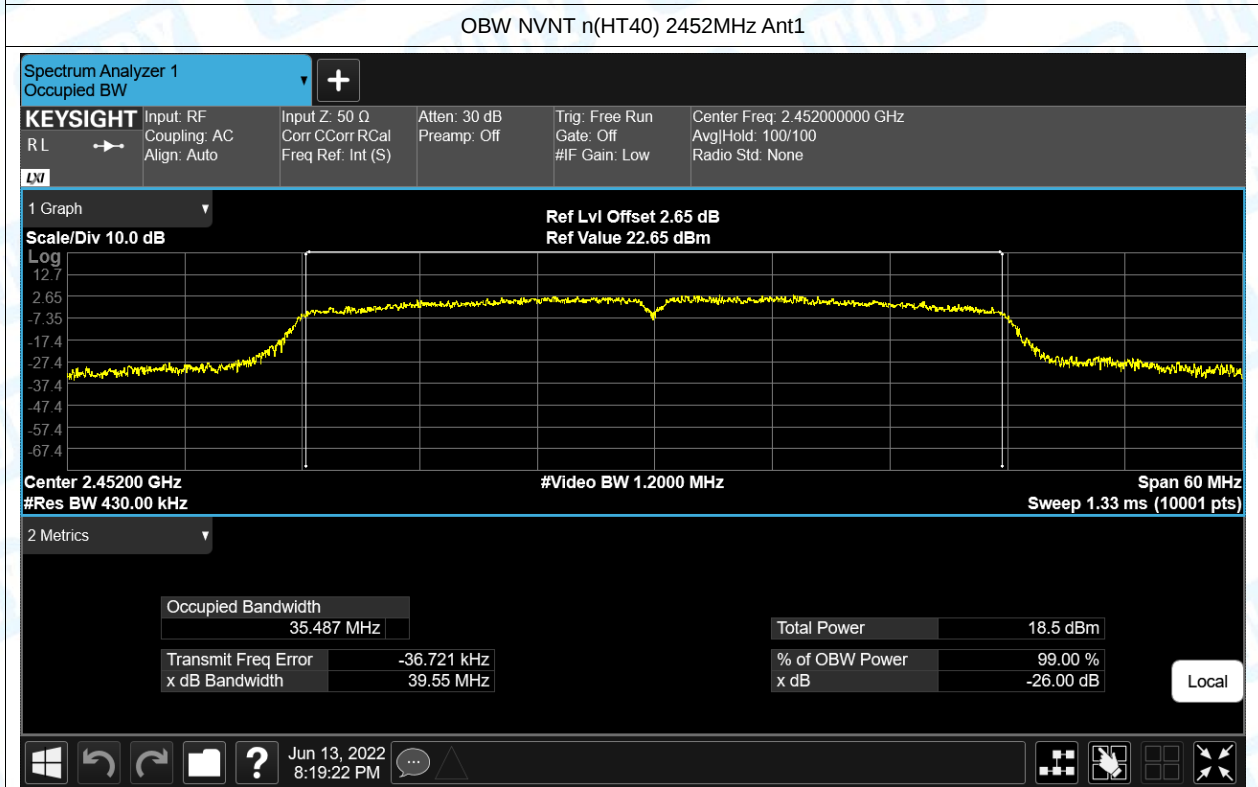
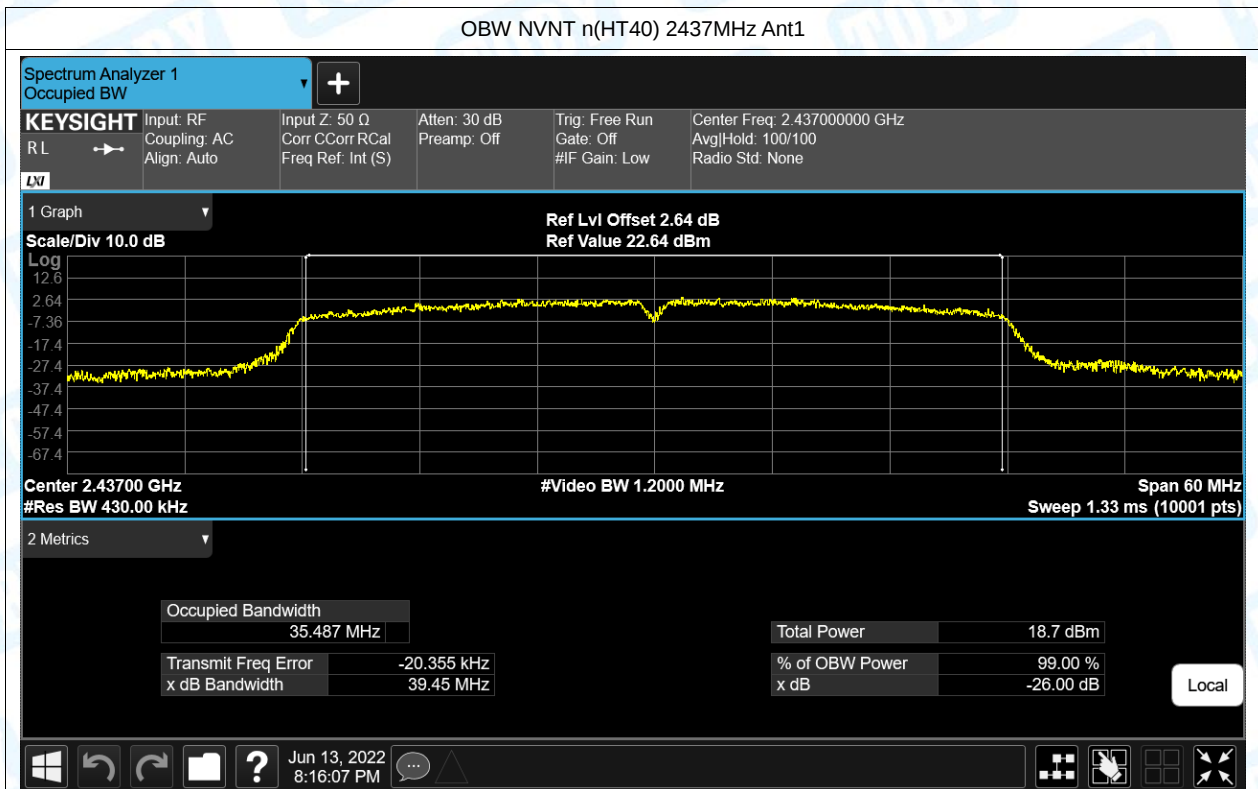






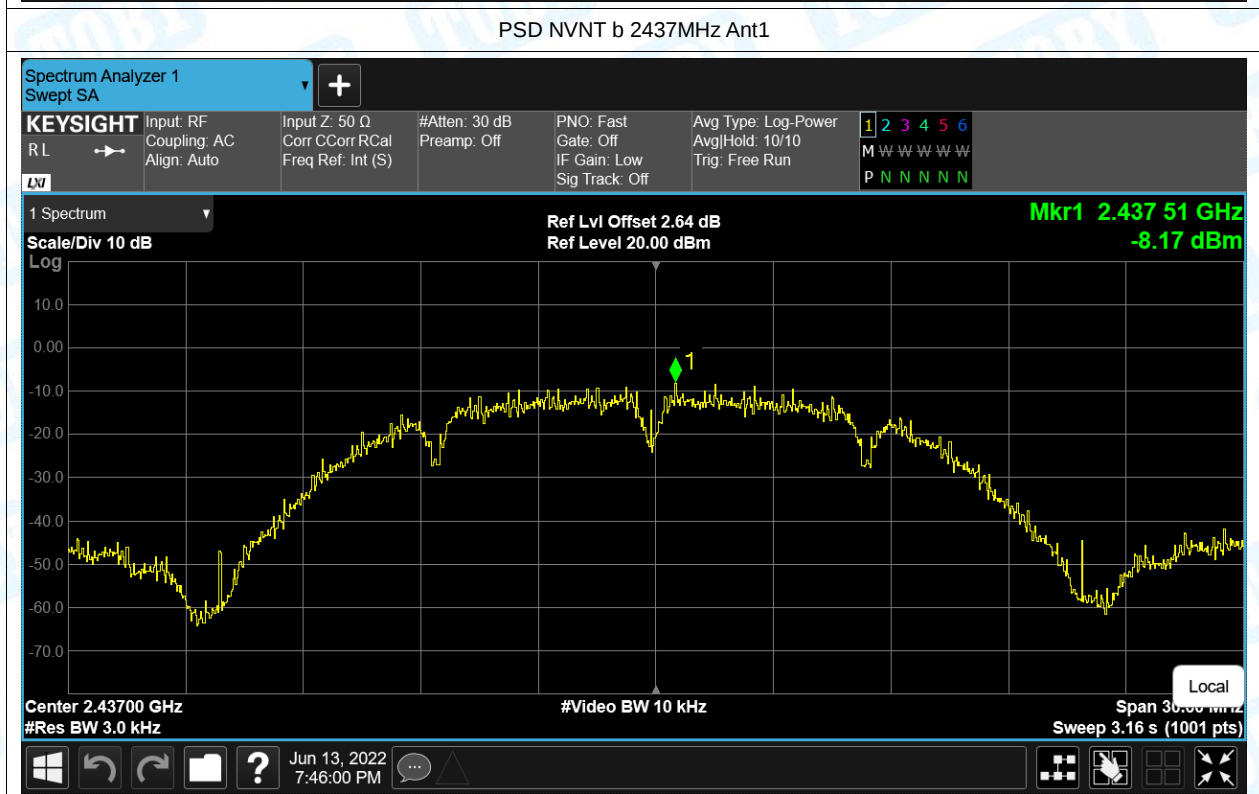
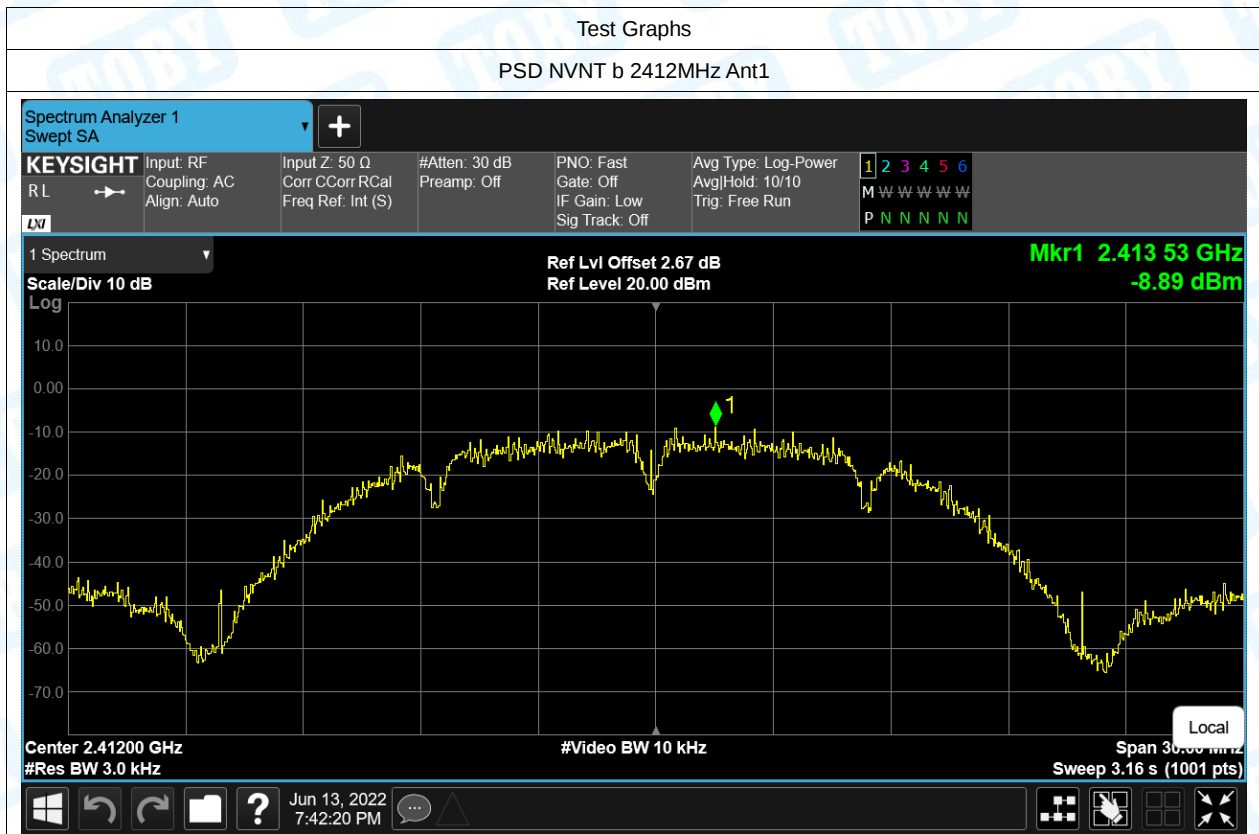


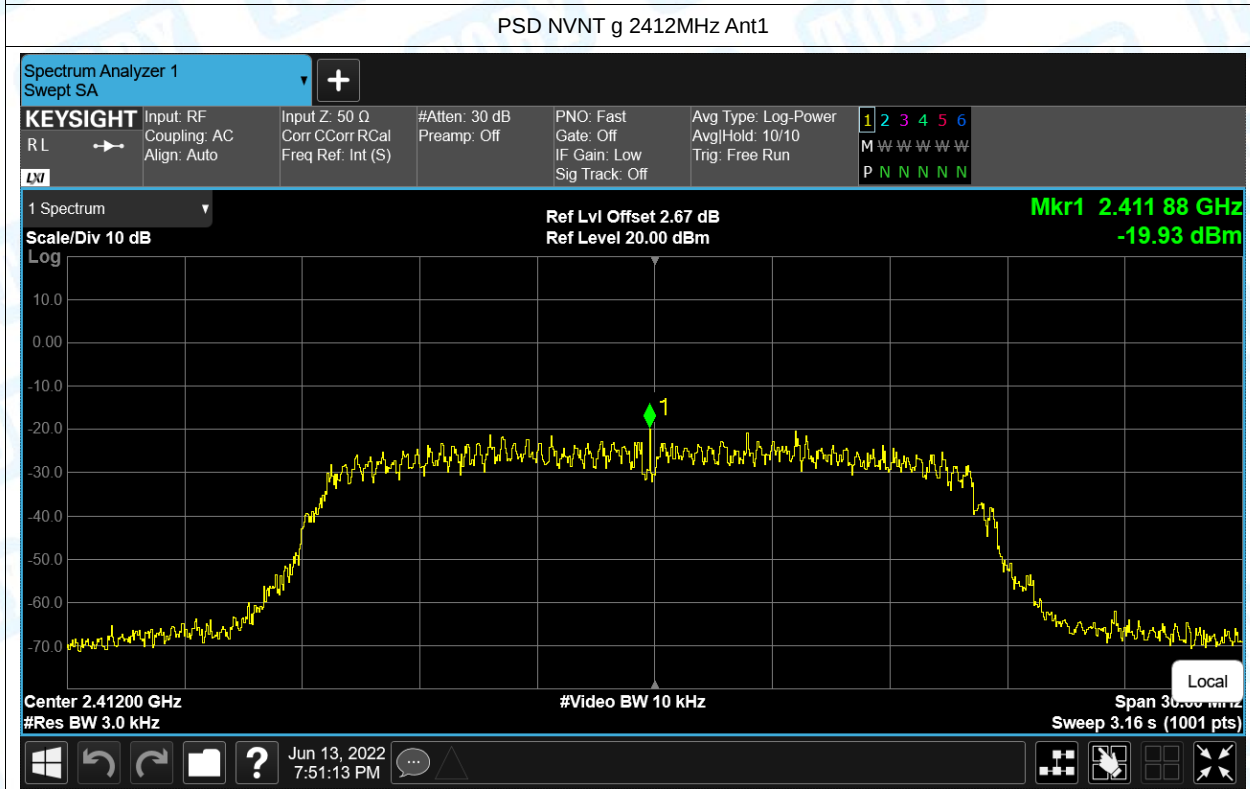
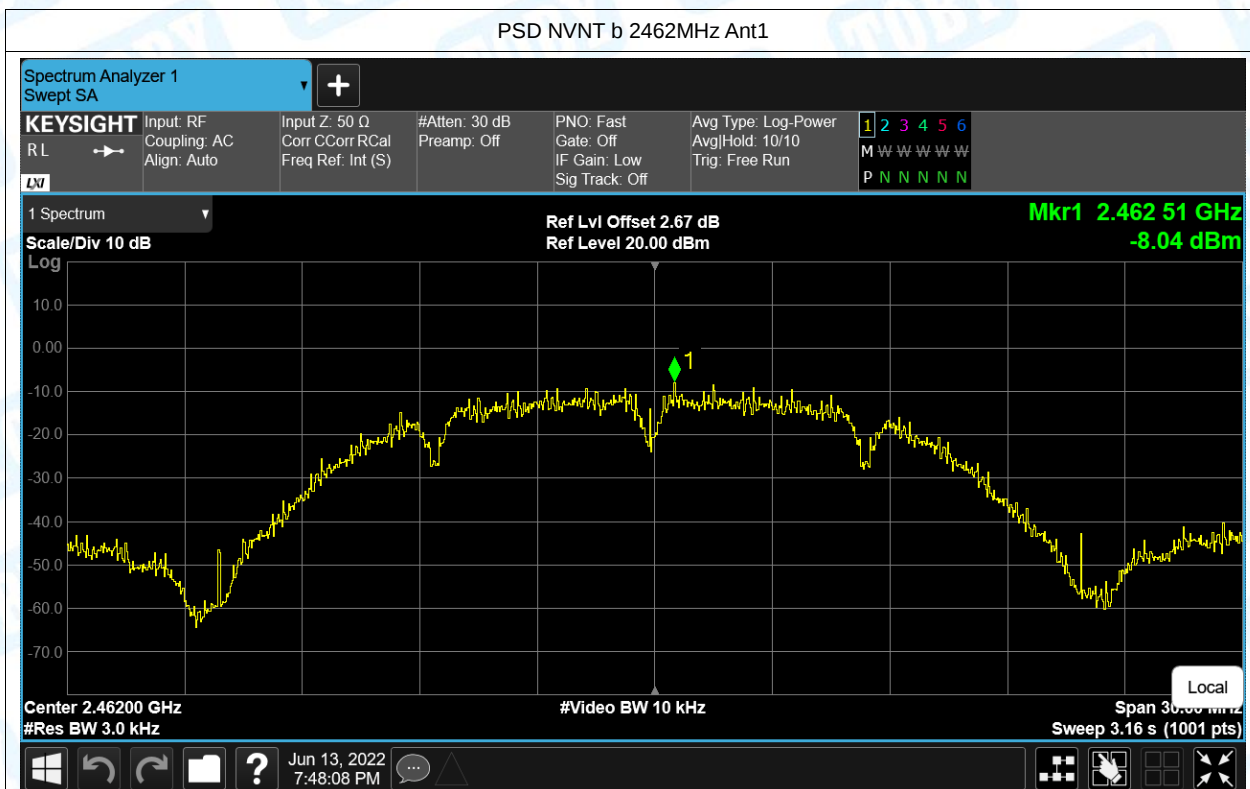


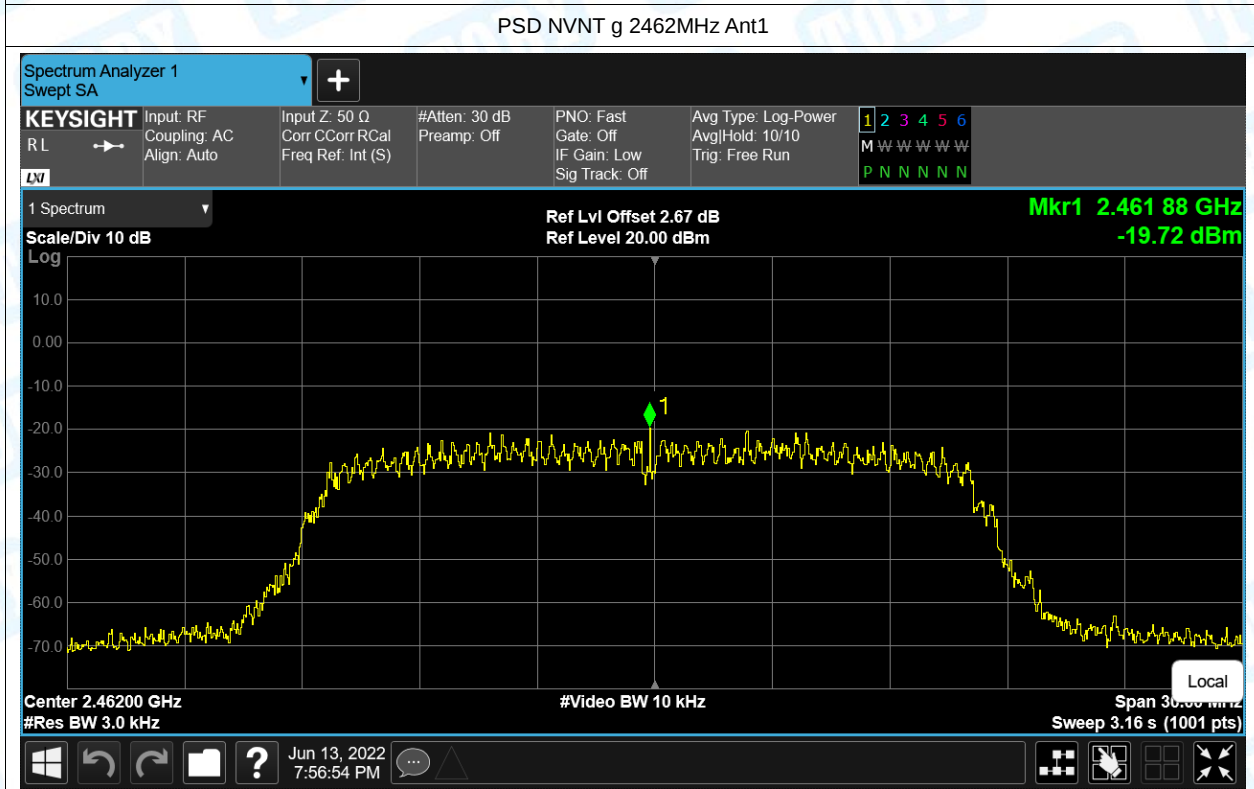


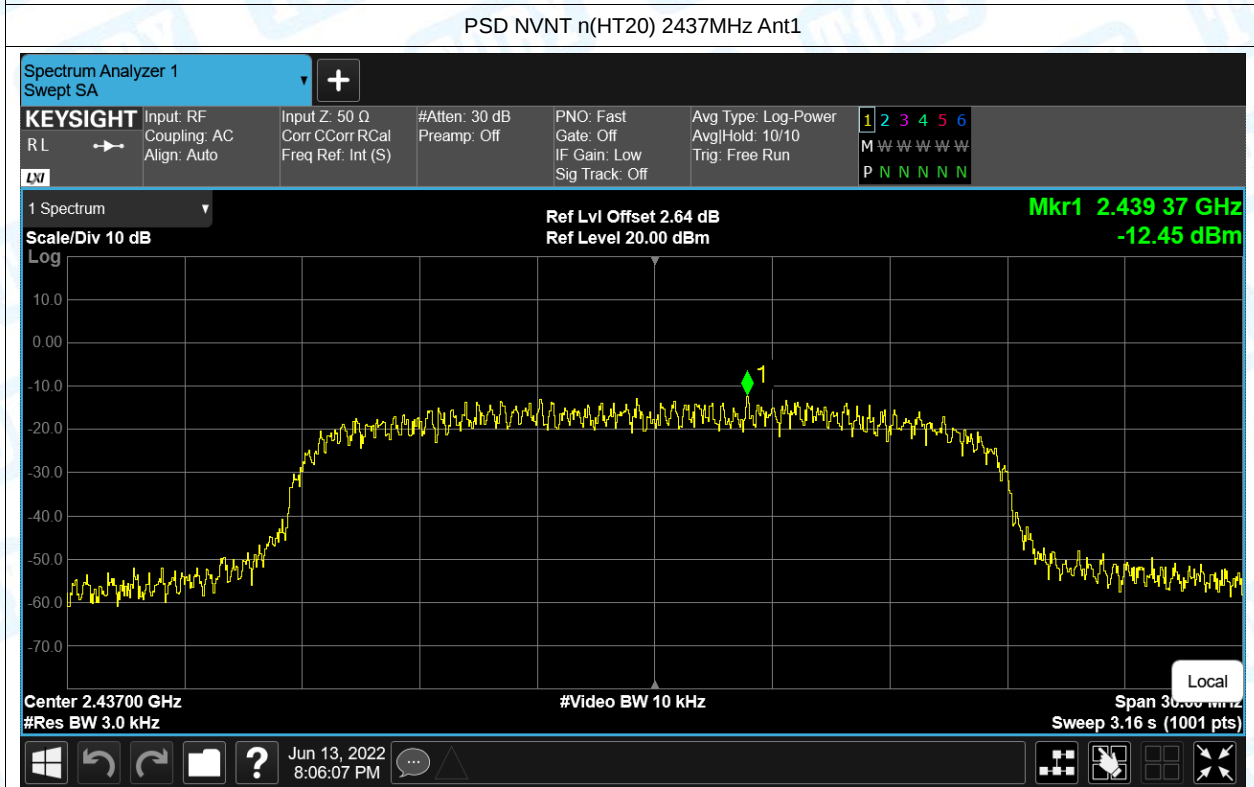
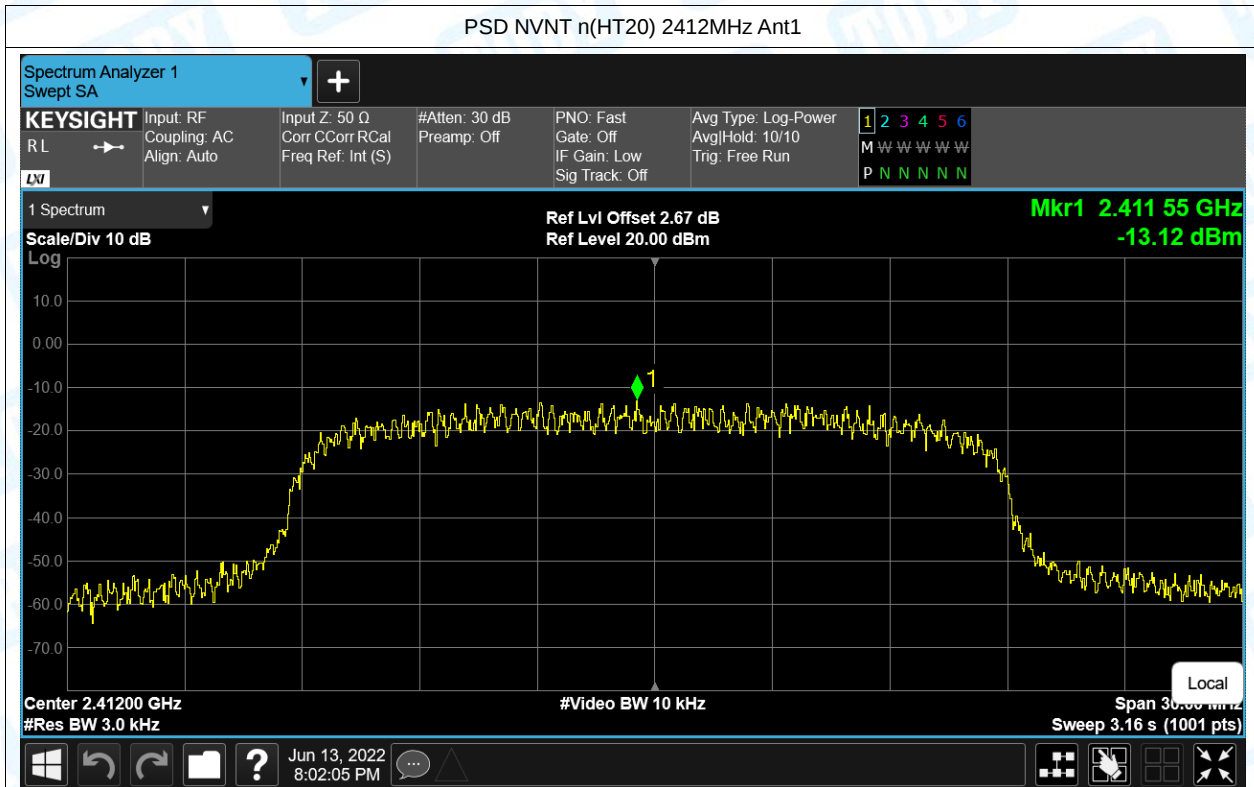
## 5. Maximum Power Spectral Density Level

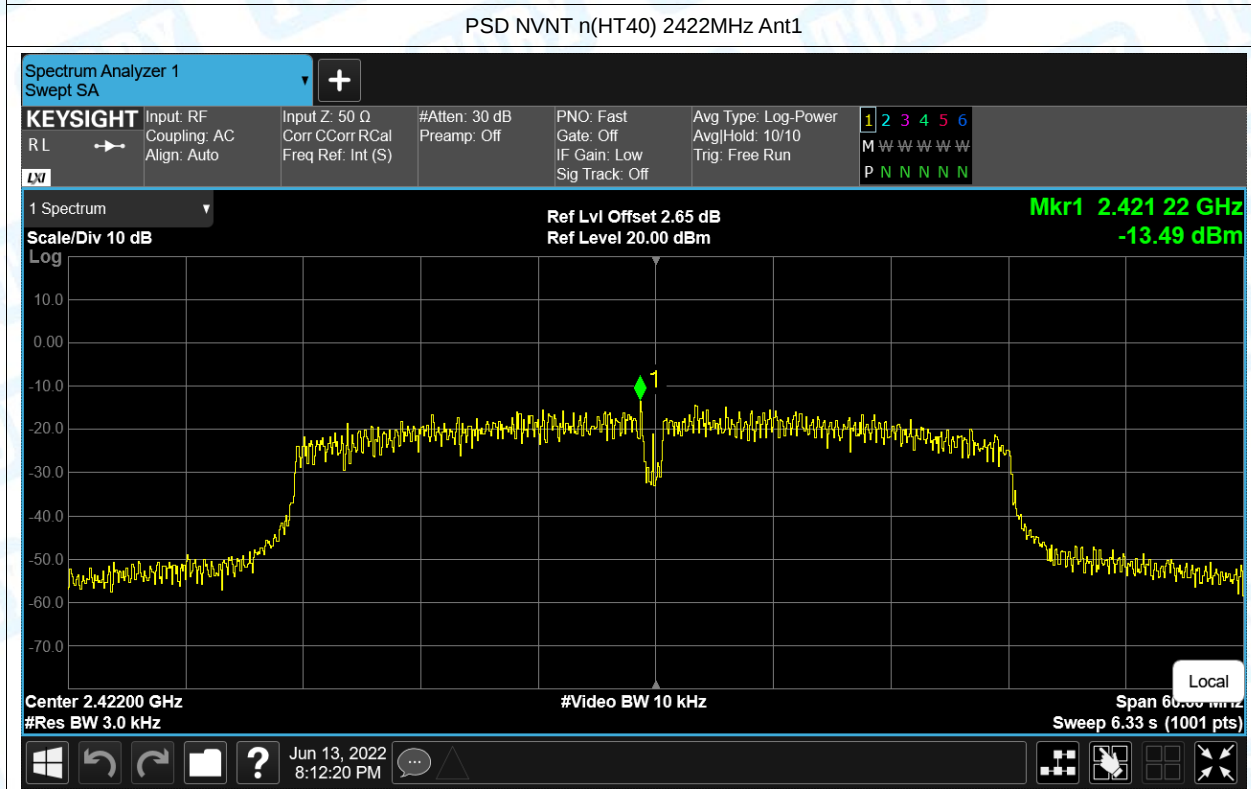
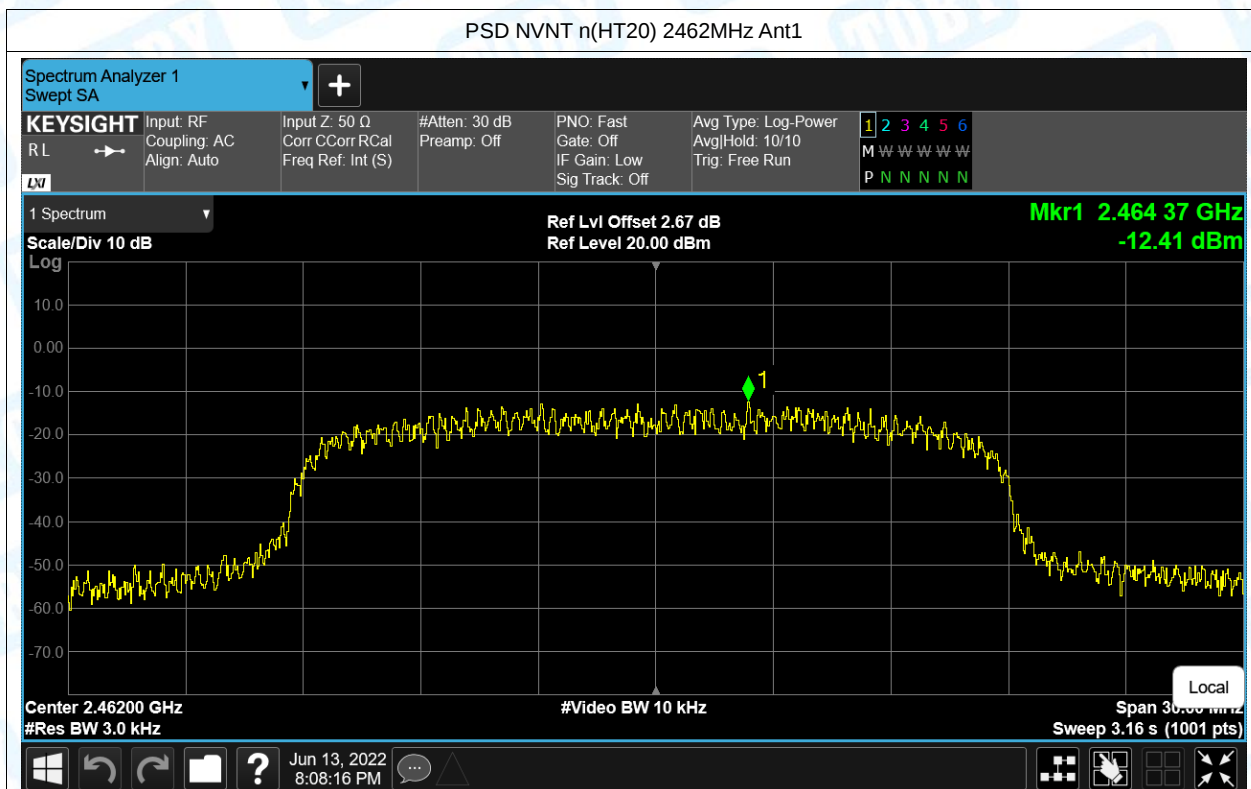
| Condition | Mode    | Frequency (MHz) | Antenna | Max PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|---------|-----------------|---------|--------------------|------------------|---------|
| NVNT      | b       | 2412            | Ant1    | -8.895             | 8                | Pass    |
| NVNT      | b       | 2437            | Ant1    | -8.169             | 8                | Pass    |
| NVNT      | b       | 2462            | Ant1    | -8.041             | 8                | Pass    |
| NVNT      | g       | 2412            | Ant1    | -19.933            | 8                | Pass    |
| NVNT      | g       | 2437            | Ant1    | -19.12             | 8                | Pass    |
| NVNT      | g       | 2462            | Ant1    | -19.721            | 8                | Pass    |
| NVNT      | n(HT20) | 2412            | Ant1    | -13.123            | 8                | Pass    |
| NVNT      | n(HT20) | 2437            | Ant1    | -12.451            | 8                | Pass    |
| NVNT      | n(HT20) | 2462            | Ant1    | -12.407            | 8                | Pass    |
| NVNT      | n(HT40) | 2422            | Ant1    | -13.487            | 8                | Pass    |
| NVNT      | n(HT40) | 2437            | Ant1    | -13.175            | 8                | Pass    |
| NVNT      | n(HT40) | 2452            | Ant1    | -13.468            | 8                | Pass    |

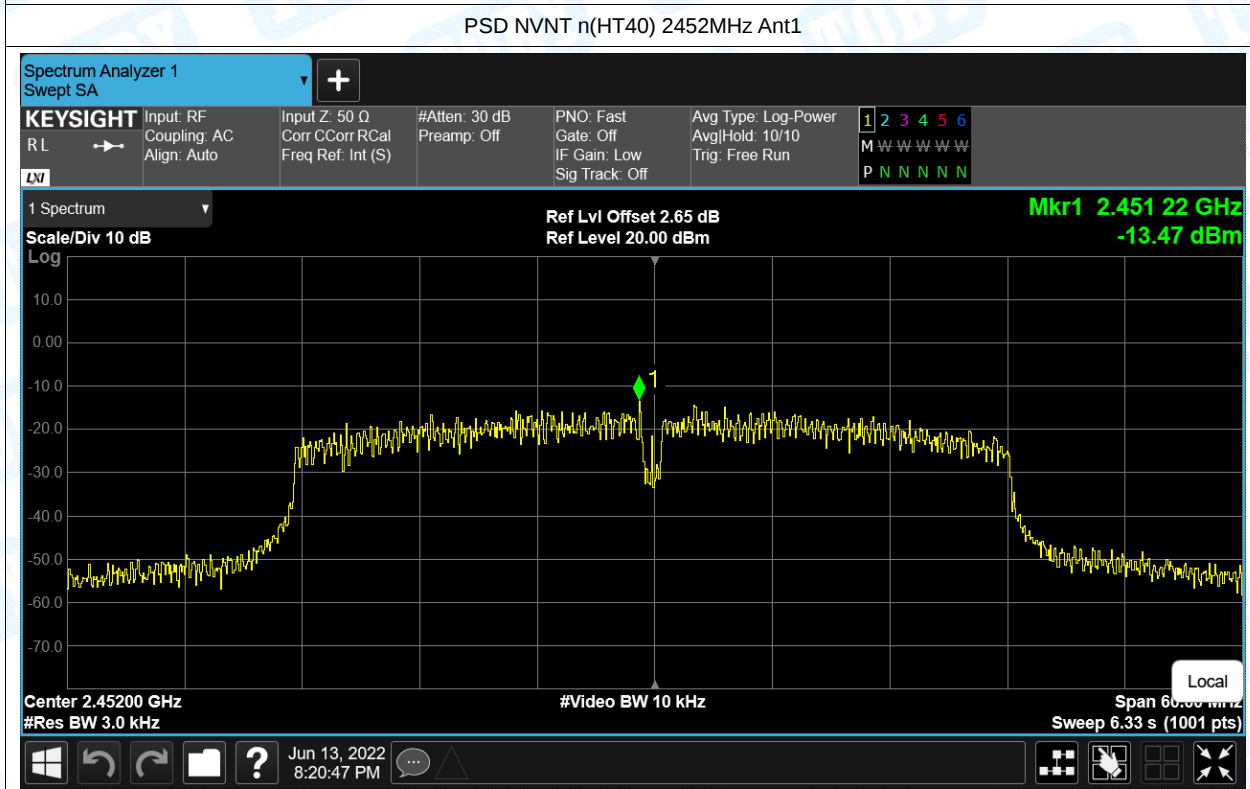










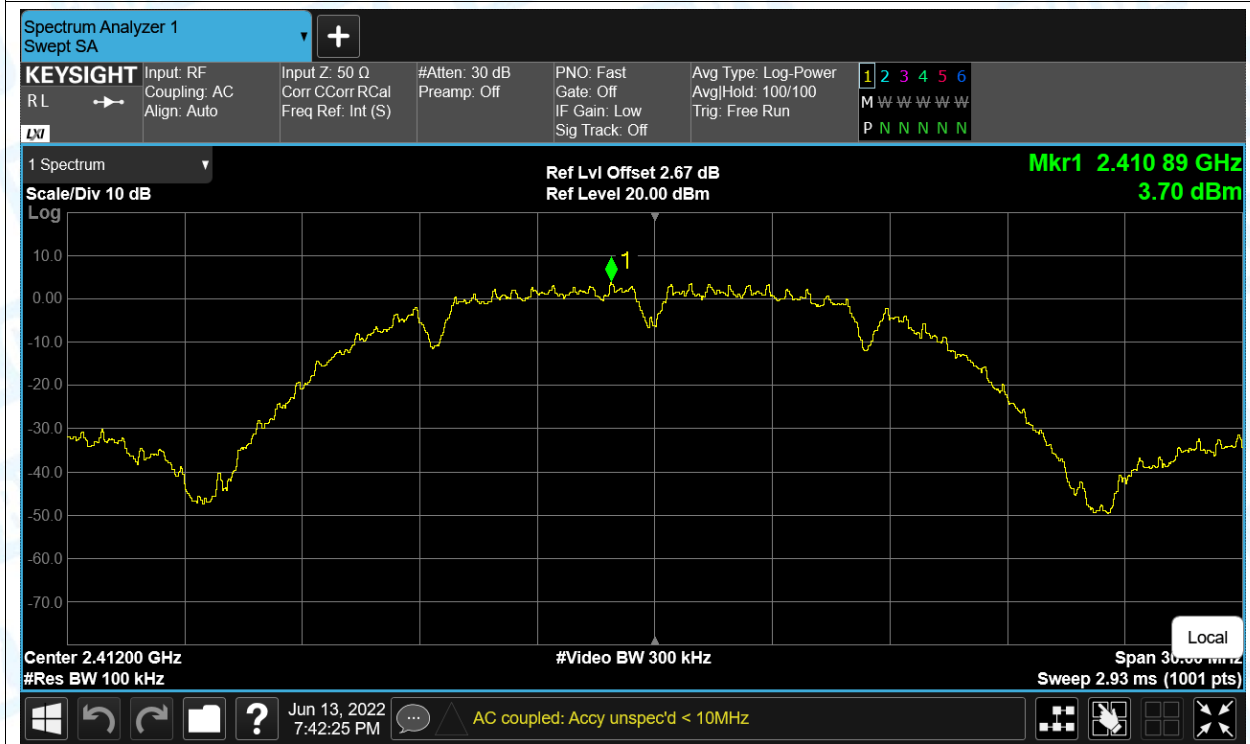


## 6. Band Edge

| Condition | Mode    | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|---------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b       | 2412            | Ant1    | -57.65          | -20         | Pass    |
| NVNT      | b       | 2462            | Ant1    | -50.92          | -20         | Pass    |
| NVNT      | g       | 2412            | Ant1    | -47.84          | -20         | Pass    |
| NVNT      | g       | 2462            | Ant1    | -49.24          | -20         | Pass    |
| NVNT      | n(HT20) | 2412            | Ant1    | -50.07          | -20         | Pass    |
| NVNT      | n(HT20) | 2462            | Ant1    | -45.9           | -20         | Pass    |
| NVNT      | n(HT40) | 2422            | Ant1    | -38.55          | -20         | Pass    |
| NVNT      | n(HT40) | 2452            | Ant1    | -36.4           | -20         | Pass    |

### Test Graphs

#### Band Edge NVNT b 2412MHz Ant1 Ref



#### Band Edge NVNT b 2412MHz Ant1 Emission

