

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

| General Description of EUT                                                                                                                    |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Product Name:                                                                                                                                 | Retro Mini PC             |
| Test Model:                                                                                                                                   | AYANEO Retro Mini PC      |
| Sample ID:                                                                                                                                    | HC-C-202310-0170-01-01-2# |
| Environmental Conditions                                                                                                                      |                           |
| Temperature:                                                                                                                                  | 25℃                       |
| Relative Humidity:                                                                                                                            | 55%                       |
| Test Voltage:                                                                                                                                 | DC 12V                    |
| Test Engineer:                                                                                                                                | Li ying jing              |
| Note: For a more detailed features description, please refer to the report TBR-C-202310-0170-102<br>The report only show the worst case data. |                           |

## Contents

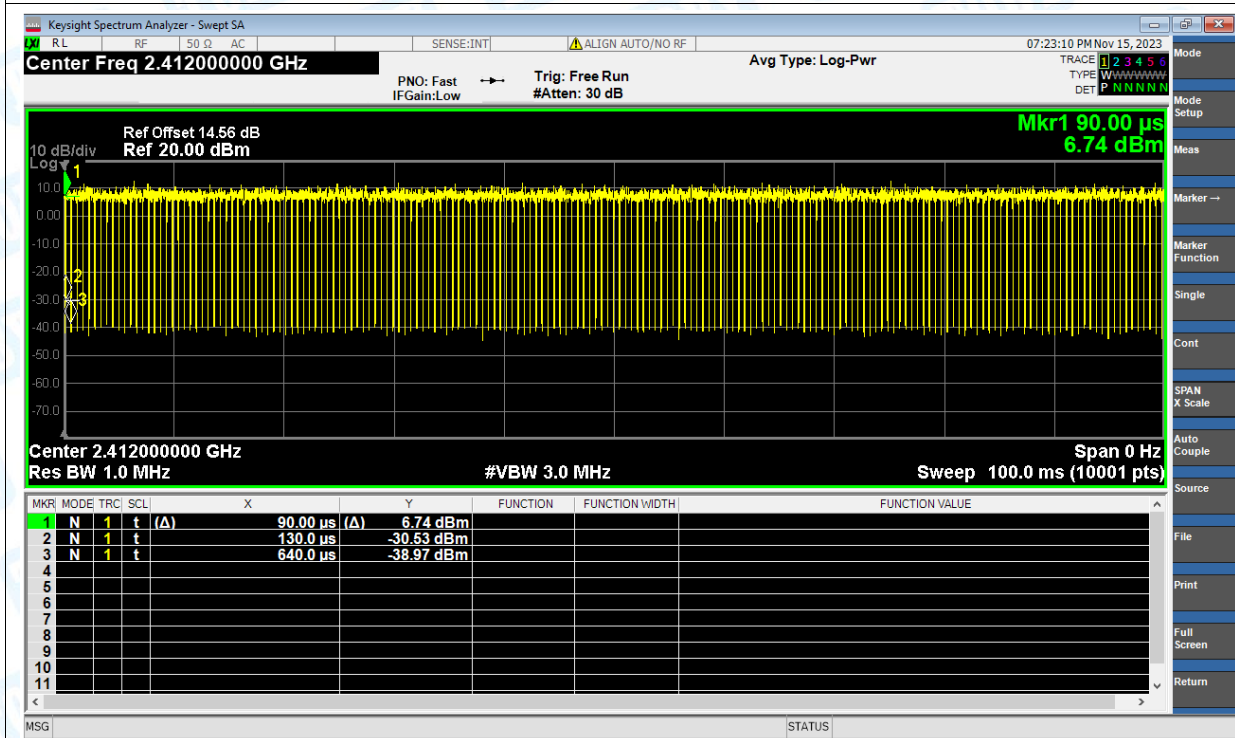
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## 1. Duty Cycle

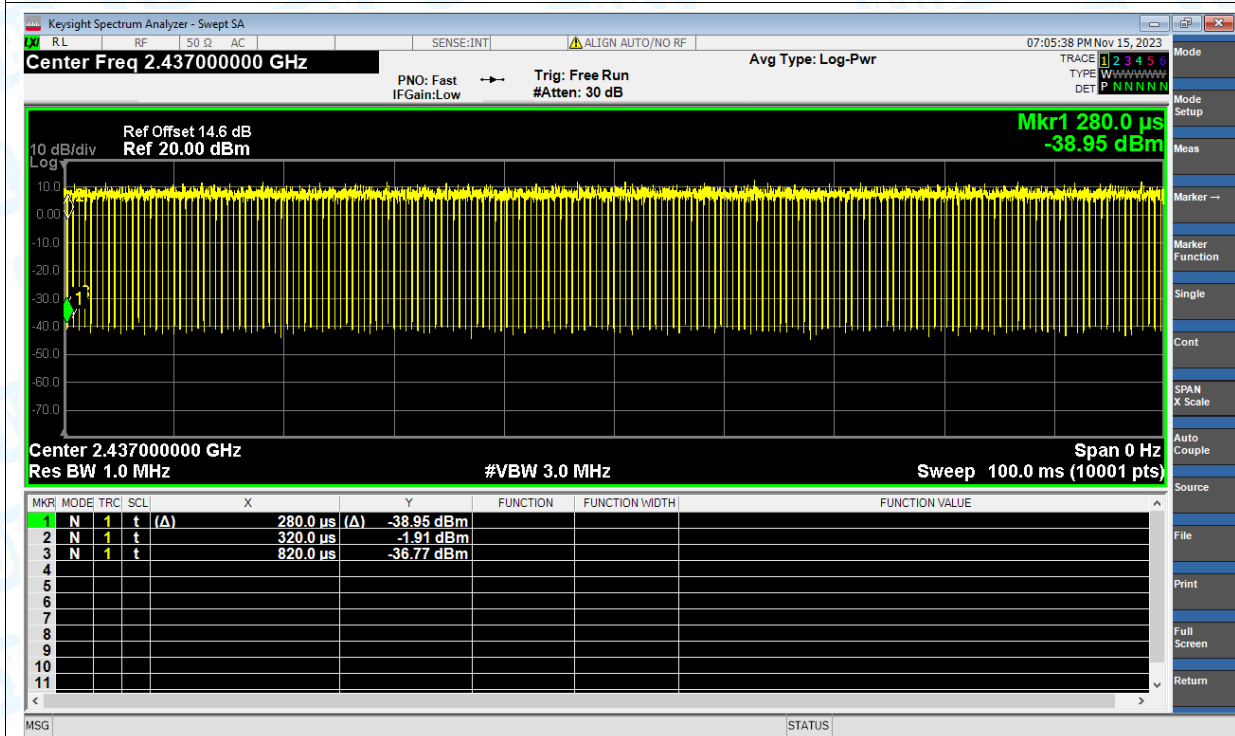
| Condition | Mode      | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-----------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | ax(VHT20) | 2412            | Sum     | 92.73          | 0.33                   | 1.96      |
| NVNT      | ax(VHT20) | 2437            | Sum     | 92.59          | 0.33                   | 2.00      |
| NVNT      | ax(VHT20) | 2462            | Sum     | 94.44          | 0.25                   | 1.96      |
| NVNT      | ax(VHT40) | 2422            | Sum     | 87.80          | 0.57                   | 2.78      |
| NVNT      | ax(VHT40) | 2437            | Sum     | 89.74          | 0.47                   | 2.86      |
| NVNT      | ax(VHT40) | 2452            | Sum     | 95.12          | 0.22                   | 2.56      |
| NVNT      | b         | 2412            | Sum     | 99.76          | 0.01                   | 0.01      |
| NVNT      | b         | 2437            | Sum     | 99.52          | 0.02                   | 0.01      |
| NVNT      | b         | 2462            | Sum     | 99.88          | 0.01                   | 0.01      |
| NVNT      | g         | 2412            | Sum     | 84.62          | 0.73                   | 4.55      |
| NVNT      | g         | 2437            | Sum     | 86.36          | 0.64                   | 5.26      |
| NVNT      | g         | 2462            | Sum     | 93.75          | 0.28                   | 2.22      |
| NVNT      | n(HT20)   | 2412            | Sum     | 95.24          | 0.21                   | 2.50      |
| NVNT      | n(HT20)   | 2437            | Sum     | 94.59          | 0.24                   | 2.86      |
| NVNT      | n(HT20)   | 2462            | Sum     | 90.48          | 0.43                   | 2.63      |
| NVNT      | n(HT40)   | 2422            | Sum     | 89.47          | 0.48                   | 2.94      |
| NVNT      | n(HT40)   | 2437            | Sum     | 94.74          | 0.23                   | 2.78      |
| NVNT      | n(HT40)   | 2452            | Sum     | 90.00          | 0.46                   | 2.78      |

## Test Graphs

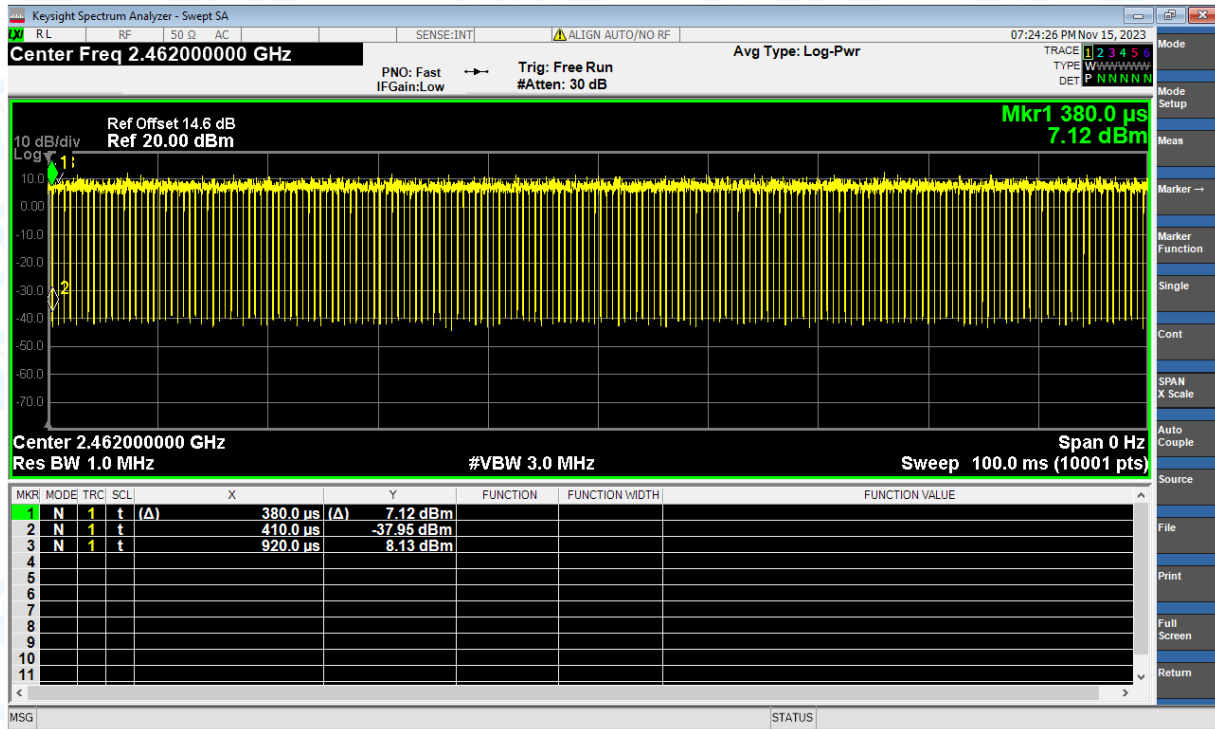
### Duty Cycle NVNT ax(VHT20) 2412MHz Sum



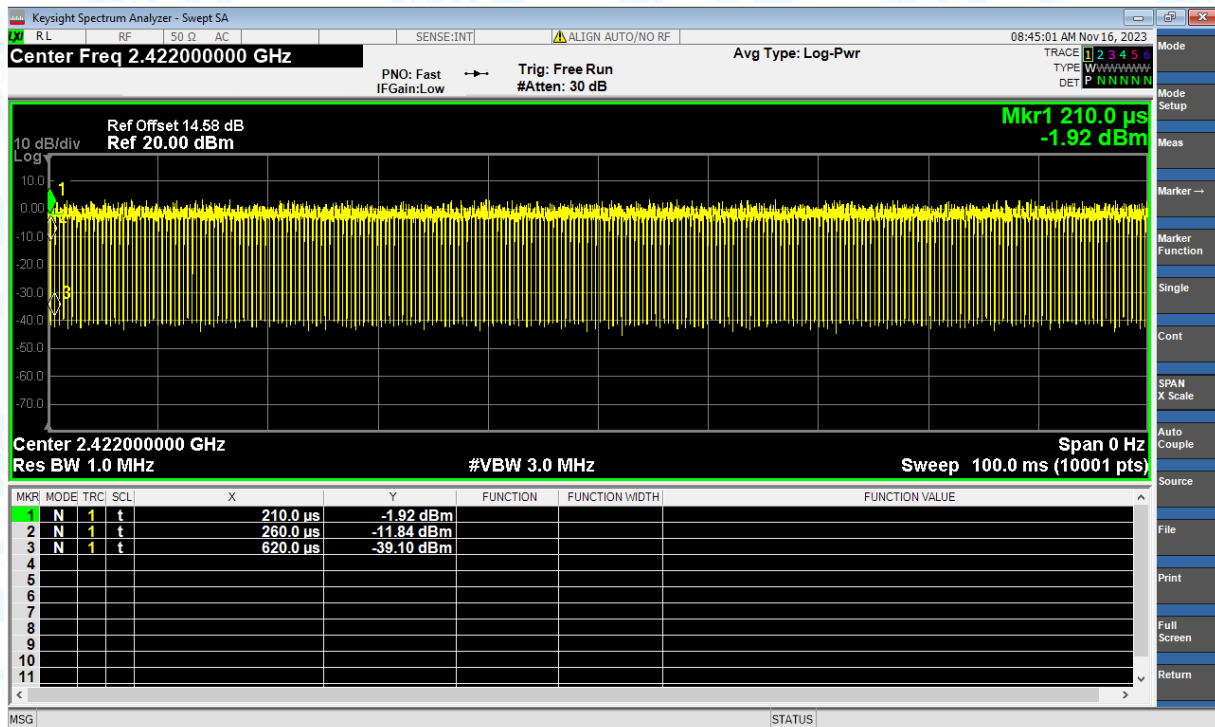
### Duty Cycle NVNT ax(VHT20) 2437MHz Sum



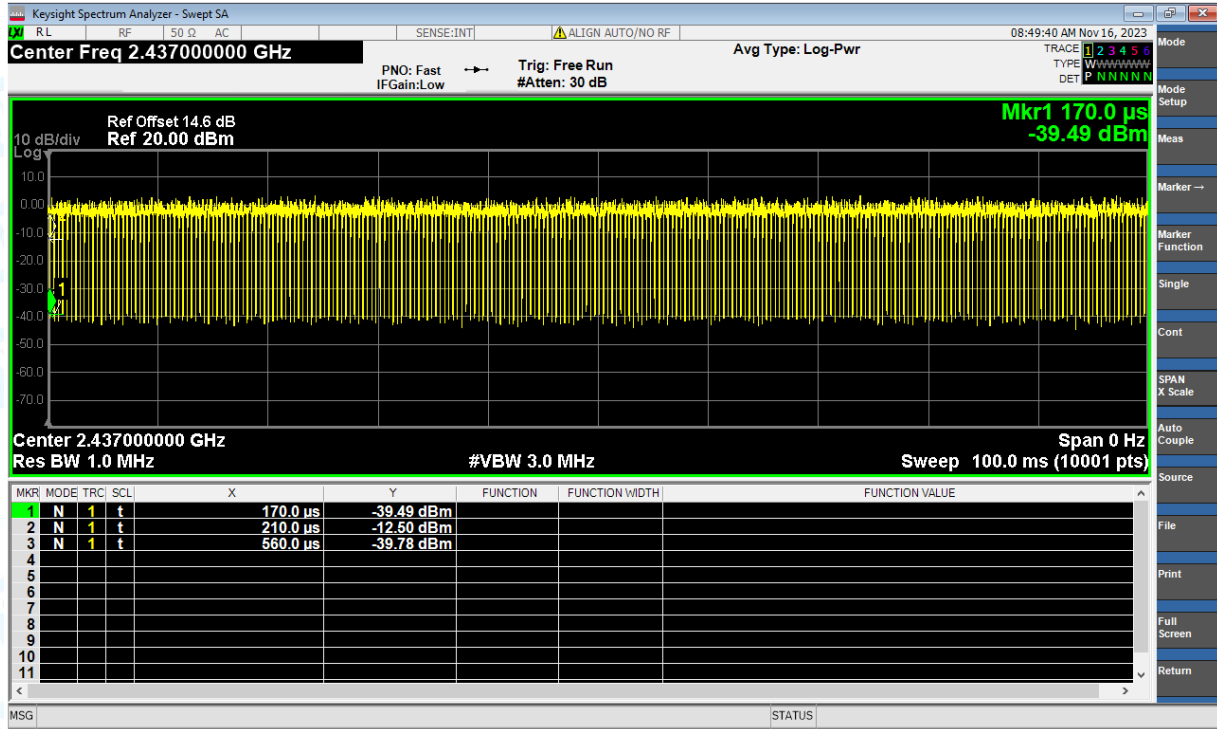
### Duty Cycle NVNT ax(VHT20) 2462MHz Sum



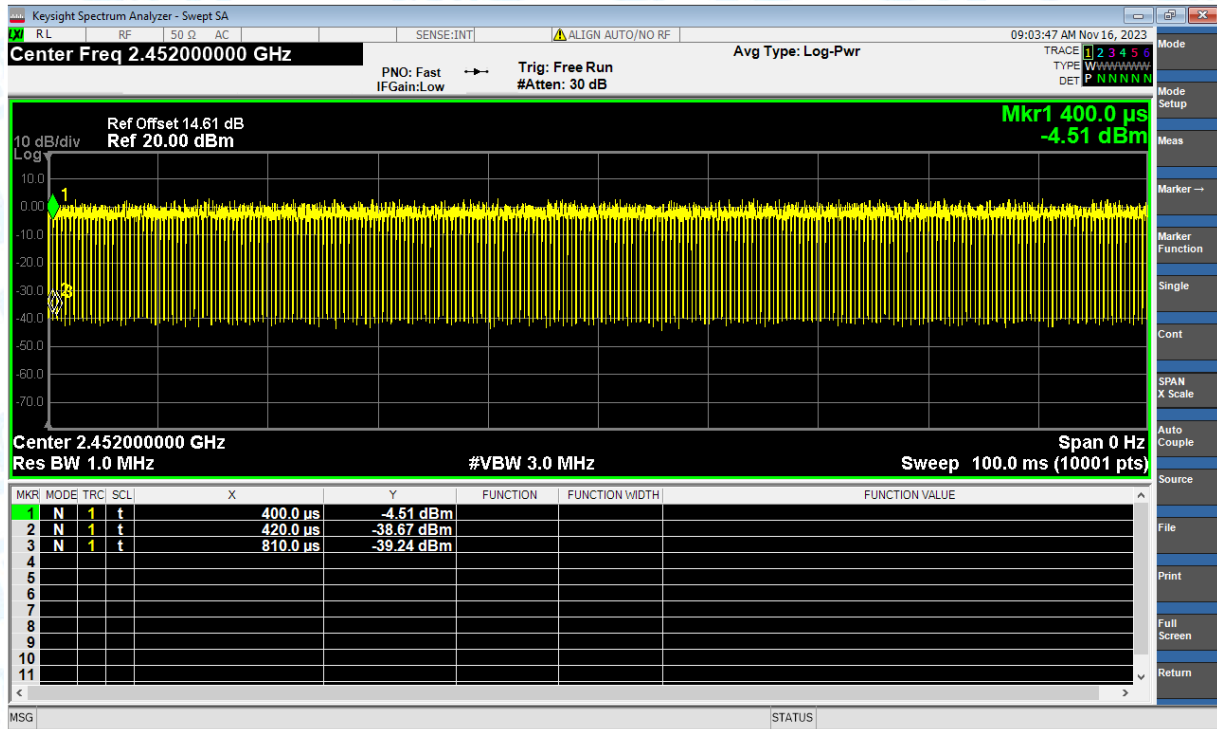
### Duty Cycle NVNT ax(VHT40) 2422MHz Sum



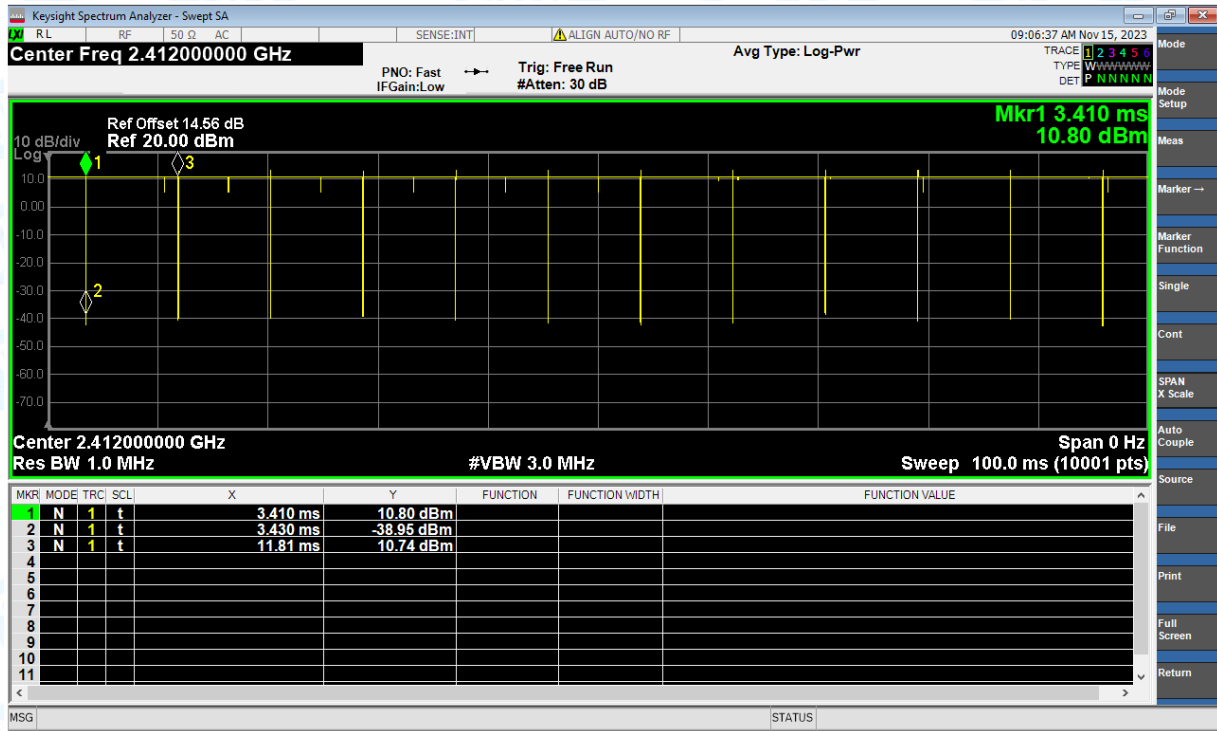
Duty Cycle NVNT ax(VHT40) 2437MHz Sum



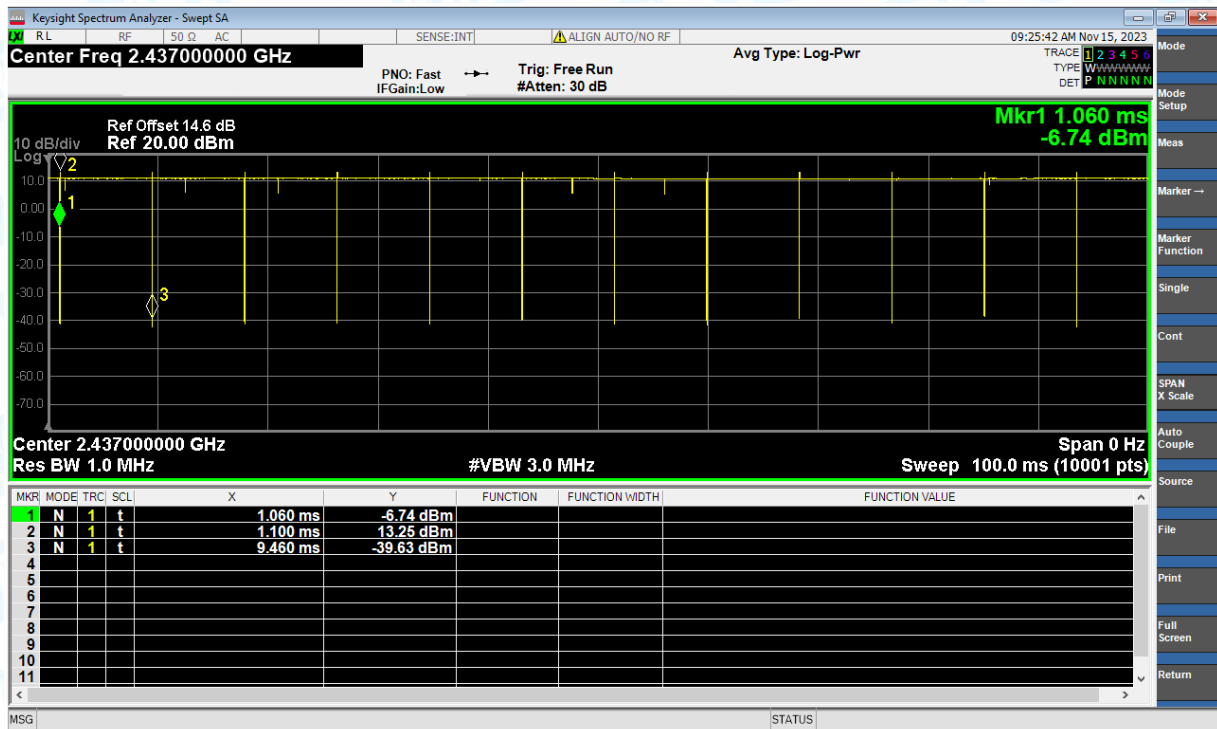
Duty Cycle NVNT ax(VHT40) 2452MHz Sum



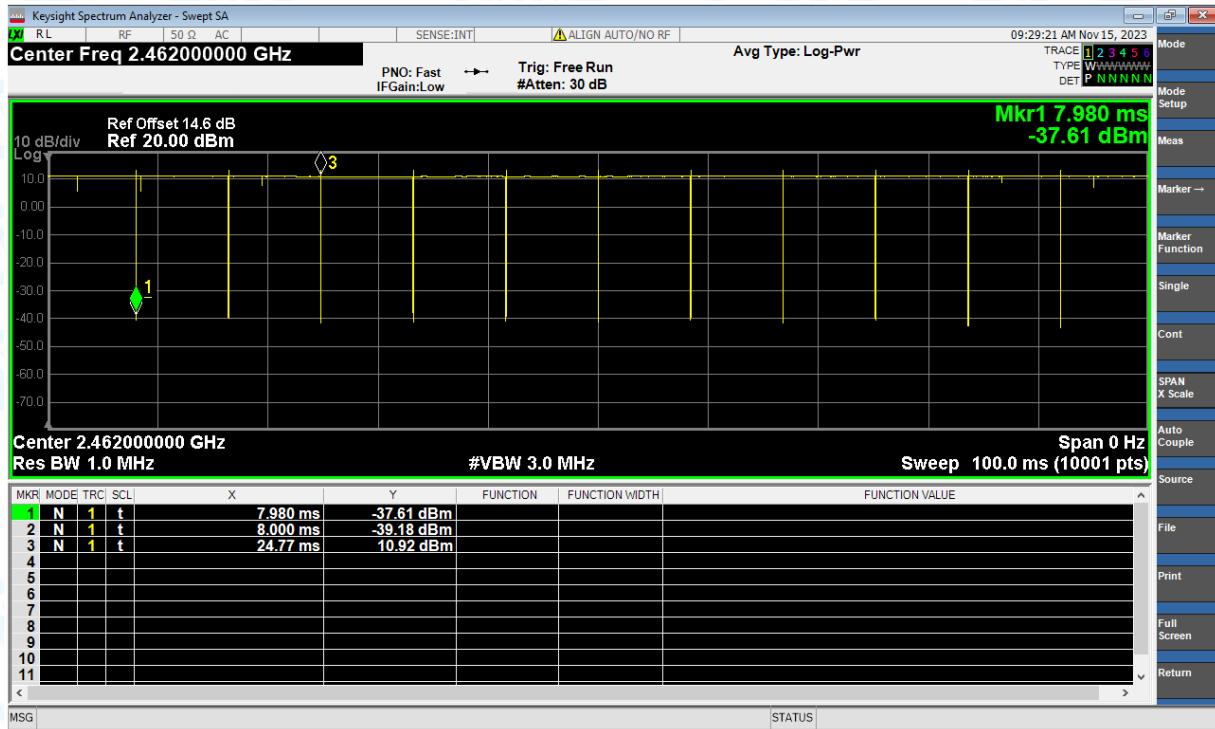
### Duty Cycle NVNT b 2412MHz Sum



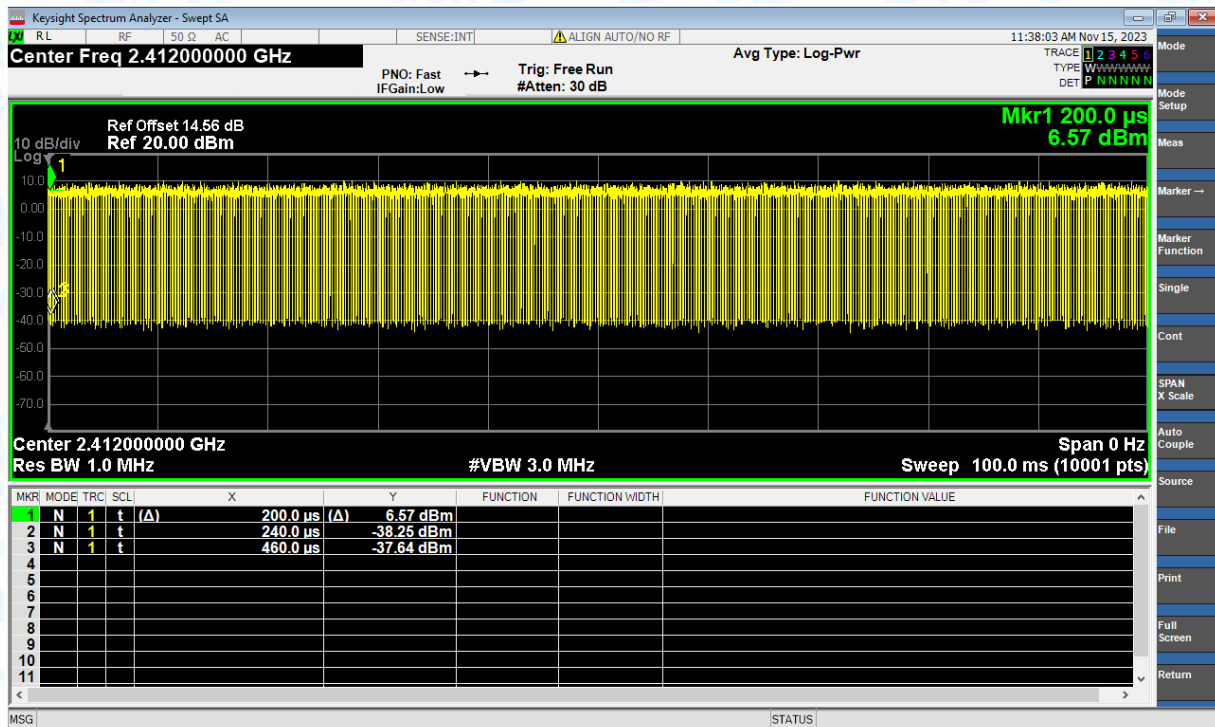
### Duty Cycle NVNT b 2437MHz Sum



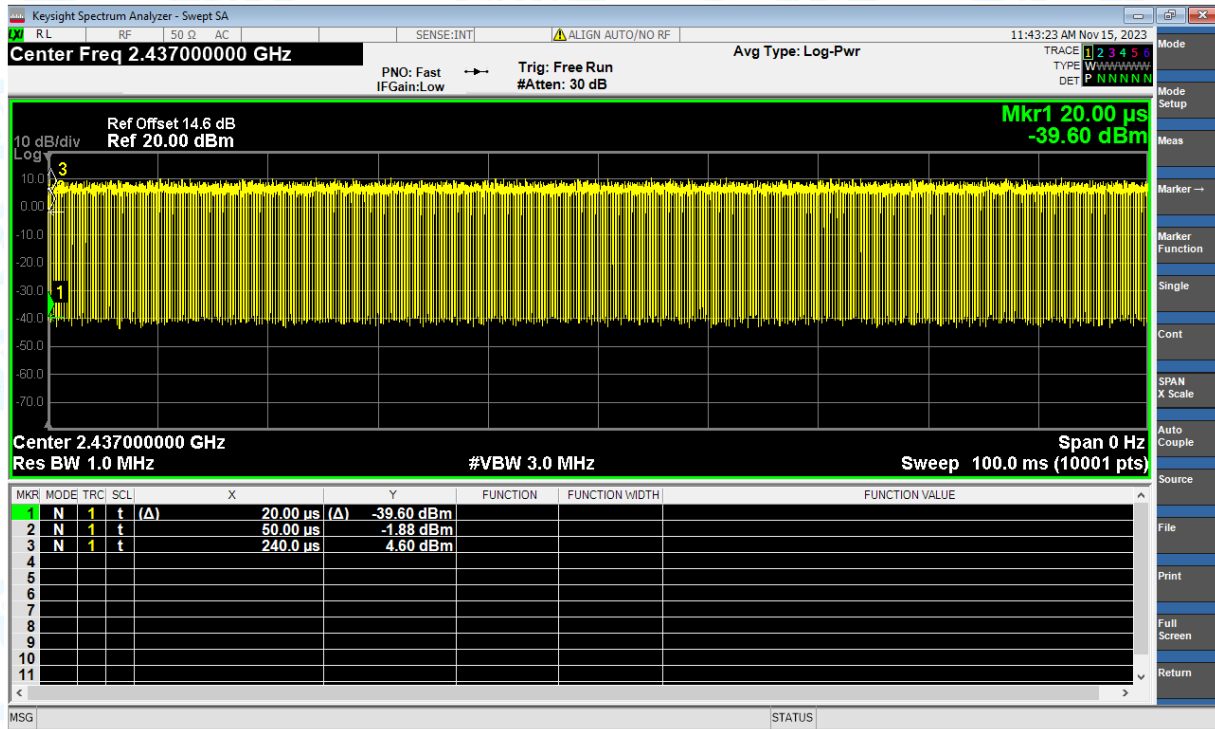
### Duty Cycle NVNT b 2462MHz Sum



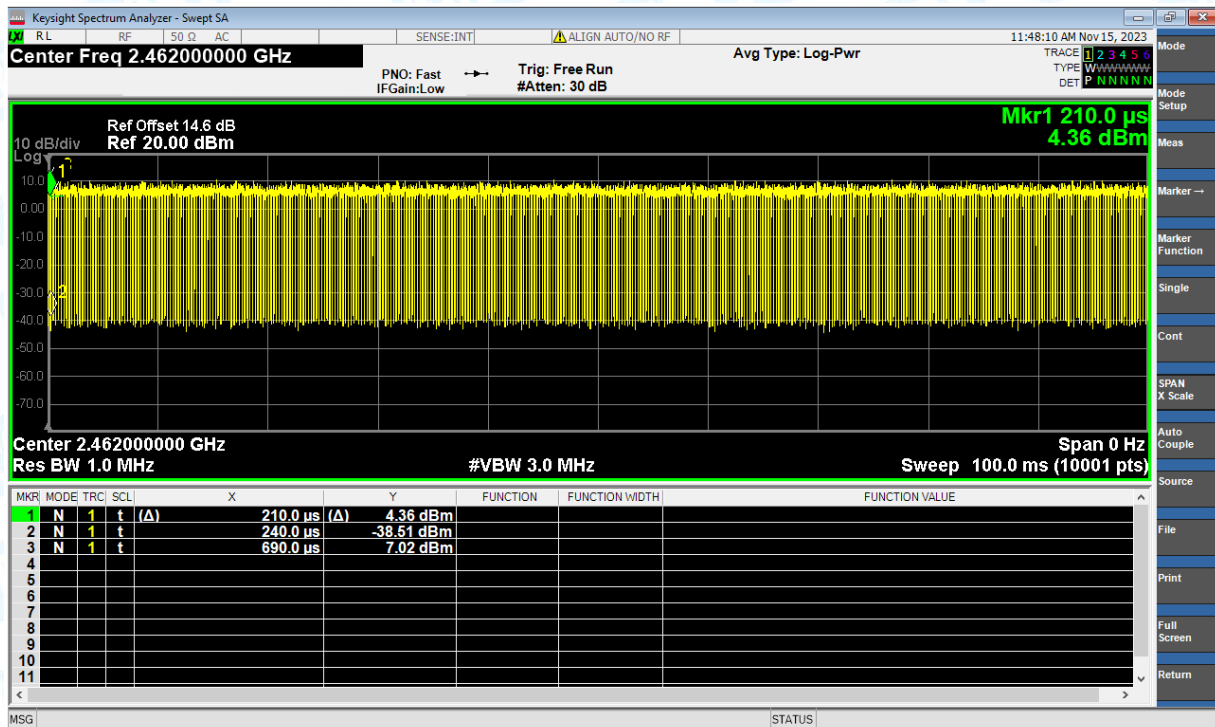
### Duty Cycle NVNT g 2412MHz Sum



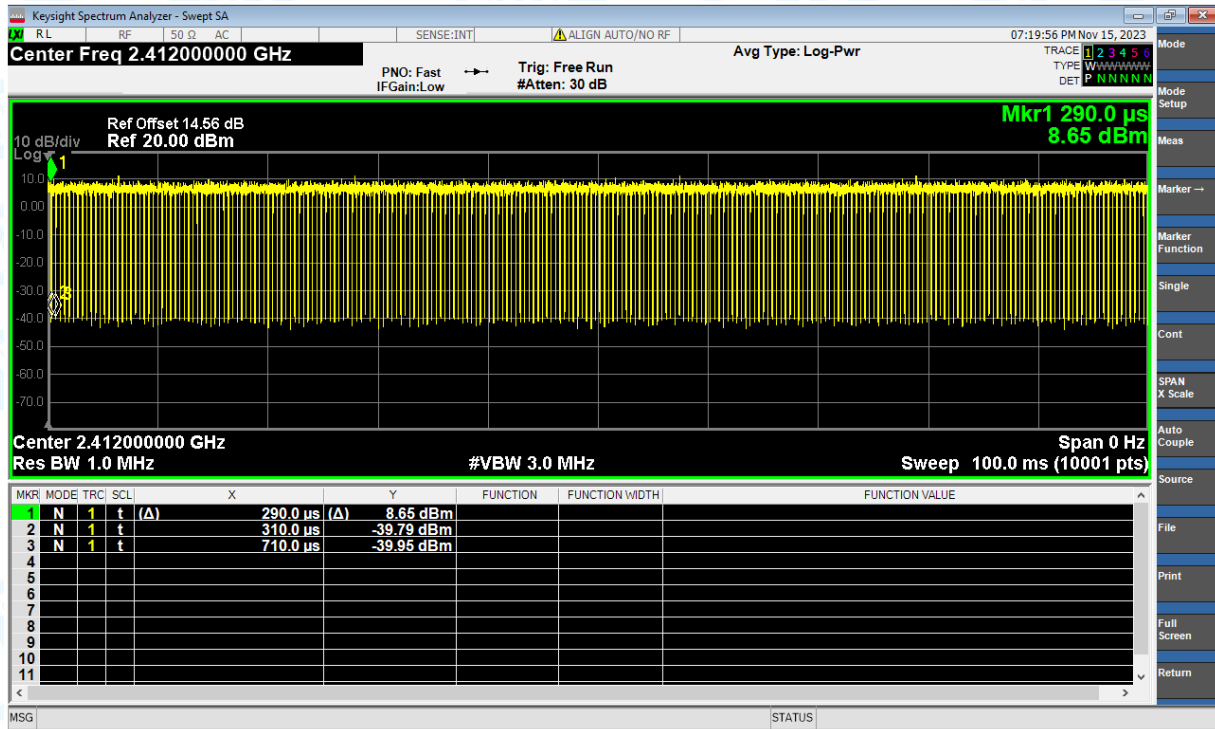
### Duty Cycle NVNT g 2437MHz Sum



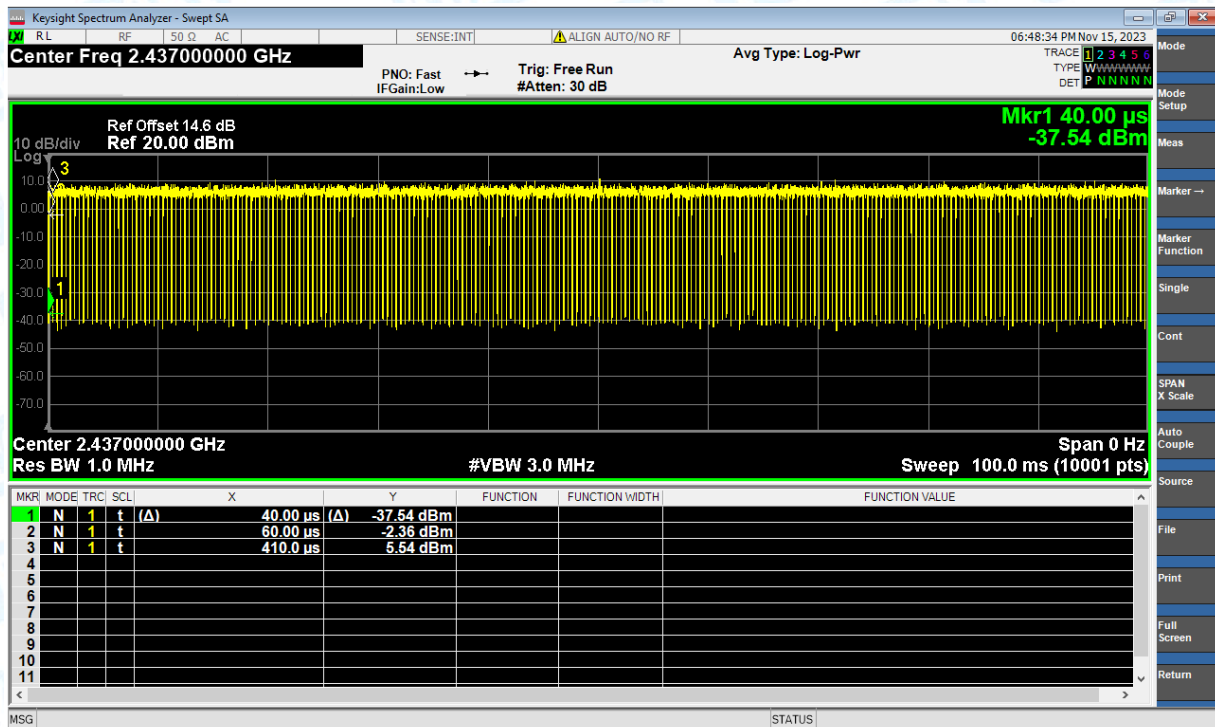
### Duty Cycle NVNT g 2462MHz Sum



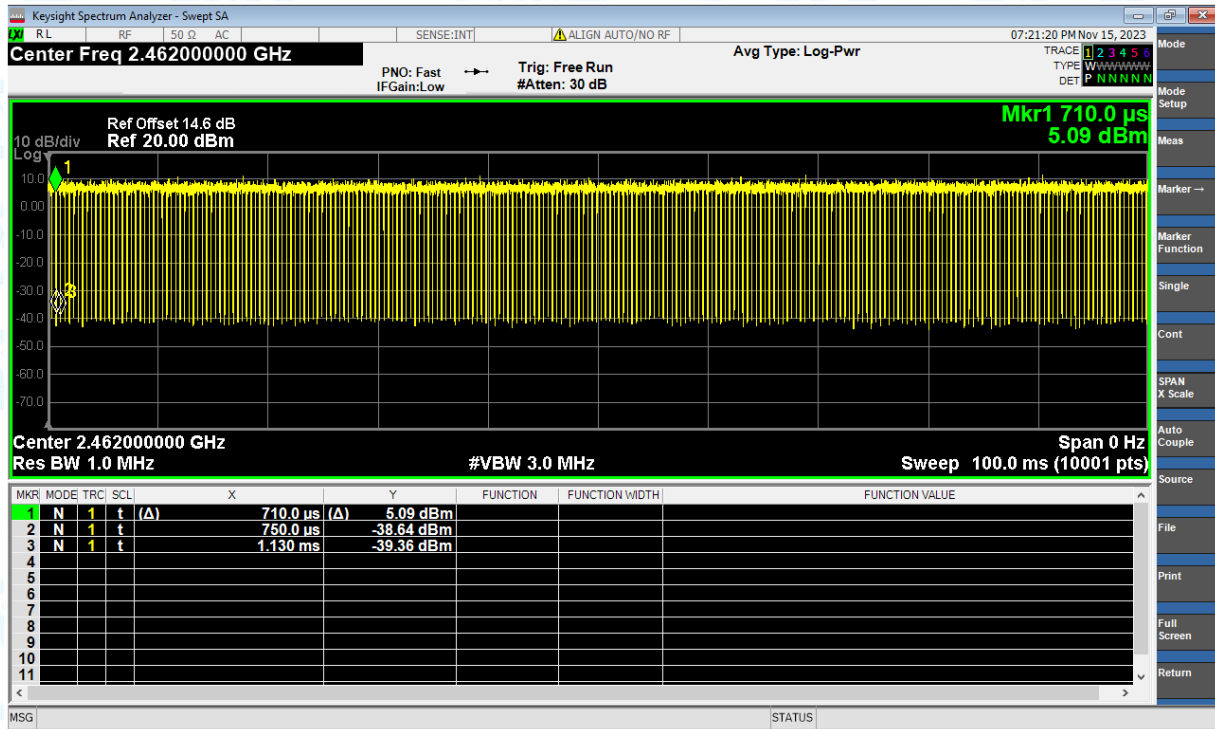
### Duty Cycle NVNT n(HT20) 2412MHz Sum



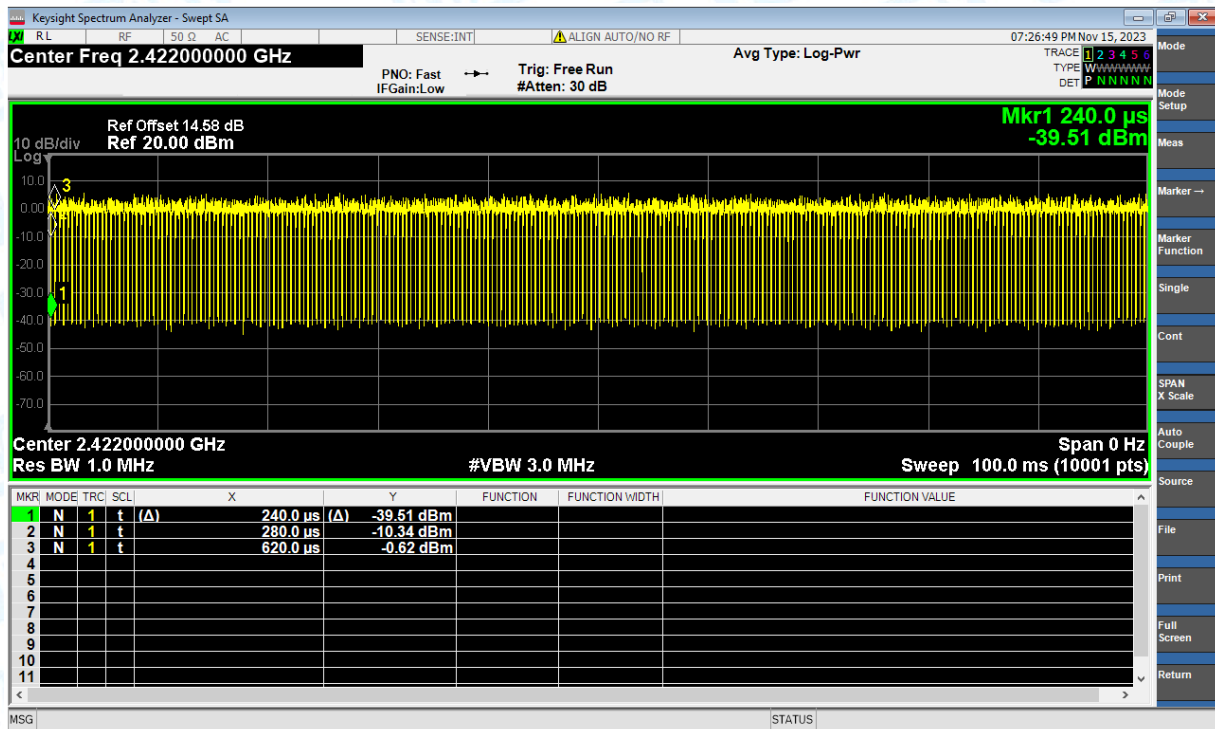
### Duty Cycle NVNT n(HT20) 2437MHz Sum



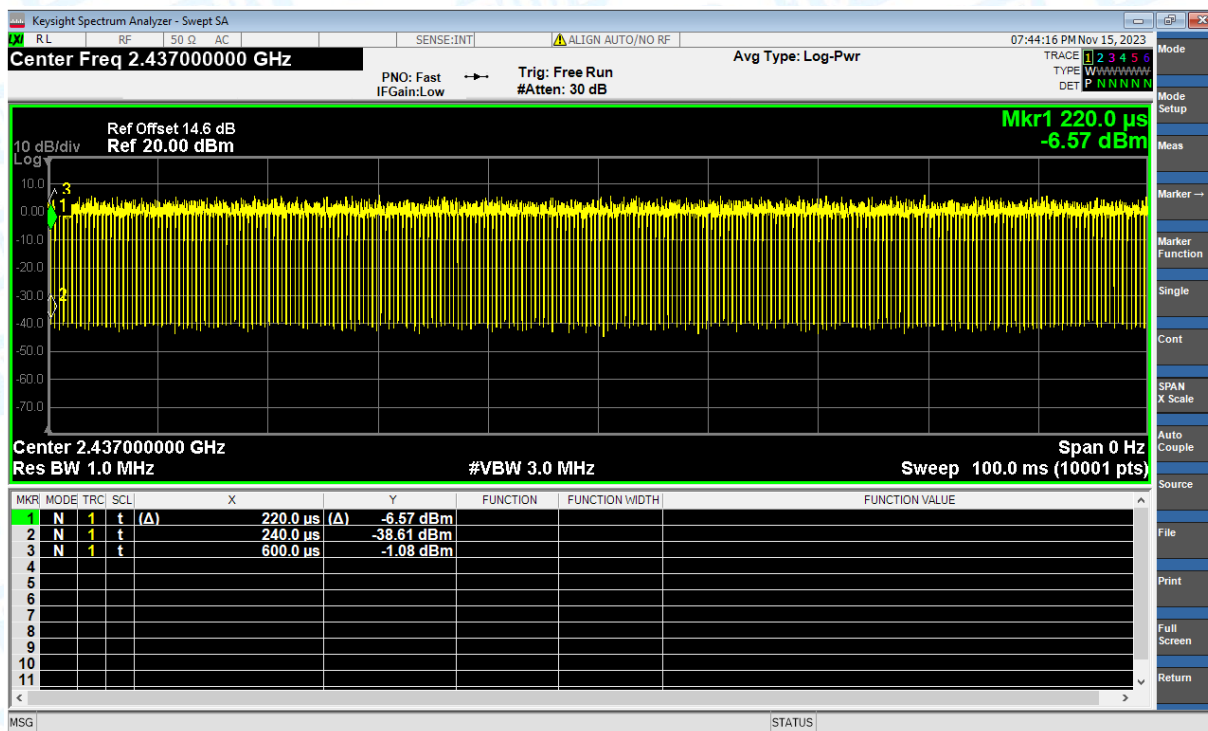
### Duty Cycle NVNT n(HT20) 2462MHz Sum



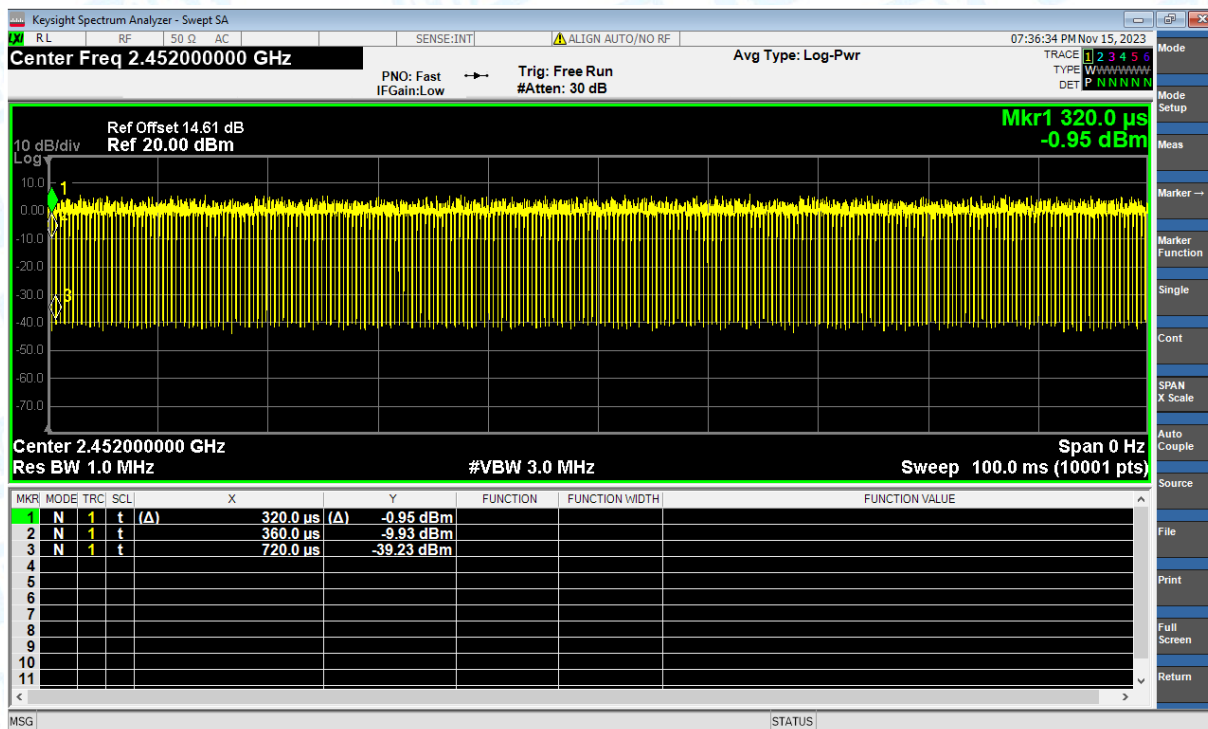
### Duty Cycle NVNT n(HT40) 2422MHz Sum



### Duty Cycle NVNT n(HT40) 2437MHz Sum



### Duty Cycle NVNT n(HT40) 2452MHz Sum



## 2. Maximum Conducted Output Power

| Condition   | Mode             | Frequency (MHz) | Antenna    | Conducted Power (dBm) | Limit (dBm)  | Verdict     |
|-------------|------------------|-----------------|------------|-----------------------|--------------|-------------|
| NVNT        | ax(VHT20)        | 2412            | Ant1       | 13.953                | 30           | Pass        |
| NVNT        | ax(VHT20)        | 2412            | Ant2       | 13.29                 | 30           | Pass        |
| <b>NVNT</b> | <b>ax(VHT20)</b> | <b>2412</b>     | <b>Sum</b> | <b>16.644</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | ax(VHT20)        | 2437            | Ant1       | 14.077                | 30           | Pass        |
| NVNT        | ax(VHT20)        | 2437            | Ant2       | 13.55                 | 30           | Pass        |
| <b>NVNT</b> | <b>ax(VHT20)</b> | <b>2437</b>     | <b>Sum</b> | <b>16.832</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | ax(VHT20)        | 2462            | Ant1       | 13.995                | 30           | Pass        |
| NVNT        | ax(VHT20)        | 2462            | Ant2       | 13.389                | 30           | Pass        |
| <b>NVNT</b> | <b>ax(VHT20)</b> | <b>2462</b>     | <b>Sum</b> | <b>16.713</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | ax(VHT40)        | 2422            | Ant1       | 11.879                | 30           | Pass        |
| NVNT        | ax(VHT40)        | 2422            | Ant2       | 12.228                | 30           | Pass        |
| <b>NVNT</b> | <b>ax(VHT40)</b> | <b>2422</b>     | <b>Sum</b> | <b>15.067</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | ax(VHT40)        | 2437            | Ant1       | 11.919                | 30           | Pass        |
| NVNT        | ax(VHT40)        | 2437            | Ant2       | 11.757                | 30           | Pass        |
| <b>NVNT</b> | <b>ax(VHT40)</b> | <b>2437</b>     | <b>Sum</b> | <b>14.849</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | ax(VHT40)        | 2452            | Ant1       | 11.611                | 30           | Pass        |
| NVNT        | ax(VHT40)        | 2452            | Ant2       | 11.73                 | 30           | Pass        |
| <b>NVNT</b> | <b>ax(VHT40)</b> | <b>2452</b>     | <b>Sum</b> | <b>14.681</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | b                | 2412            | Ant1       | 16.323                | 30           | Pass        |
| NVNT        | b                | 2412            | Ant2       | 15.638                | 30           | Pass        |
| <b>NVNT</b> | <b>b</b>         | <b>2412</b>     | <b>Sum</b> | <b>19.004</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | b                | 2437            | Ant1       | 16.585                | 30           | Pass        |
| NVNT        | b                | 2437            | Ant2       | 15.868                | 30           | Pass        |
| <b>NVNT</b> | <b>b</b>         | <b>2437</b>     | <b>Sum</b> | <b>19.252</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | b                | 2462            | Ant1       | 16.331                | 30           | Pass        |
| NVNT        | b                | 2462            | Ant2       | 15.676                | 30           | Pass        |
| <b>NVNT</b> | <b>b</b>         | <b>2462</b>     | <b>Sum</b> | <b>19.026</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | g                | 2412            | Ant1       | 13.532                | 30           | Pass        |
| NVNT        | g                | 2412            | Ant2       | 13.16                 | 30           | Pass        |
| <b>NVNT</b> | <b>g</b>         | <b>2412</b>     | <b>Sum</b> | <b>16.36</b>          | <b>29.87</b> | <b>Pass</b> |
| NVNT        | g                | 2437            | Ant1       | 13.789                | 30           | Pass        |
| NVNT        | g                | 2437            | Ant2       | 13.274                | 30           | Pass        |
| <b>NVNT</b> | <b>g</b>         | <b>2437</b>     | <b>Sum</b> | <b>16.549</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | g                | 2462            | Ant1       | 13.622                | 30           | Pass        |
| NVNT        | g                | 2462            | Ant2       | 13.814                | 30           | Pass        |
| <b>NVNT</b> | <b>g</b>         | <b>2462</b>     | <b>Sum</b> | <b>16.729</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | n(HT20)          | 2412            | Ant1       | 13.523                | 30           | Pass        |
| NVNT        | n(HT20)          | 2412            | Ant2       | 12.70                 | 30           | Pass        |
| <b>NVNT</b> | <b>n(HT20)</b>   | <b>2412</b>     | <b>Sum</b> | <b>16.141</b>         | <b>29.87</b> | <b>Pass</b> |
| NVNT        | n(HT20)          | 2437            | Ant1       | 13.295                | 30           | Pass        |
| NVNT        | n(HT20)          | 2437            | Ant2       | 13.147                | 30           | Pass        |
| <b>NVNT</b> | <b>n(HT20)</b>   | <b>2437</b>     | <b>Sum</b> | <b>16.232</b>         | <b>29.87</b> | <b>Pass</b> |

|             |                |             |            |               |              |             |
|-------------|----------------|-------------|------------|---------------|--------------|-------------|
| NVNT        | n(HT20)        | 2462        | Ant1       | 13.69         | 30           | Pass        |
| NVNT        | n(HT20)        | 2462        | Ant2       | 13.404        | 30           | Pass        |
| <b>NVNT</b> | <b>n(HT20)</b> | <b>2462</b> | <b>Sum</b> | <b>16.56</b>  | <b>29.87</b> | <b>Pass</b> |
| NVNT        | n(HT40)        | 2422        | Ant1       | 14.206        | 30           | Pass        |
| NVNT        | n(HT40)        | 2422        | Ant2       | 14.045        | 30           | Pass        |
| <b>NVNT</b> | <b>n(HT40)</b> | <b>2422</b> | <b>Sum</b> | <b>17.137</b> | <b>29.87</b> | <b>Pass</b> |
| NVNT        | n(HT40)        | 2437        | Ant1       | 14.406        | 30           | Pass        |
| NVNT        | n(HT40)        | 2437        | Ant2       | 13.893        | 30           | Pass        |
| <b>NVNT</b> | <b>n(HT40)</b> | <b>2437</b> | <b>Sum</b> | <b>17.167</b> | <b>29.87</b> | <b>Pass</b> |
| NVNT        | n(HT40)        | 2452        | Ant1       | 14.396        | 30           | Pass        |
| NVNT        | n(HT40)        | 2452        | Ant2       | 13.909        | 30           | Pass        |
| <b>NVNT</b> | <b>n(HT40)</b> | <b>2452</b> | <b>Sum</b> | <b>17.170</b> | <b>29.87</b> | <b>Pass</b> |

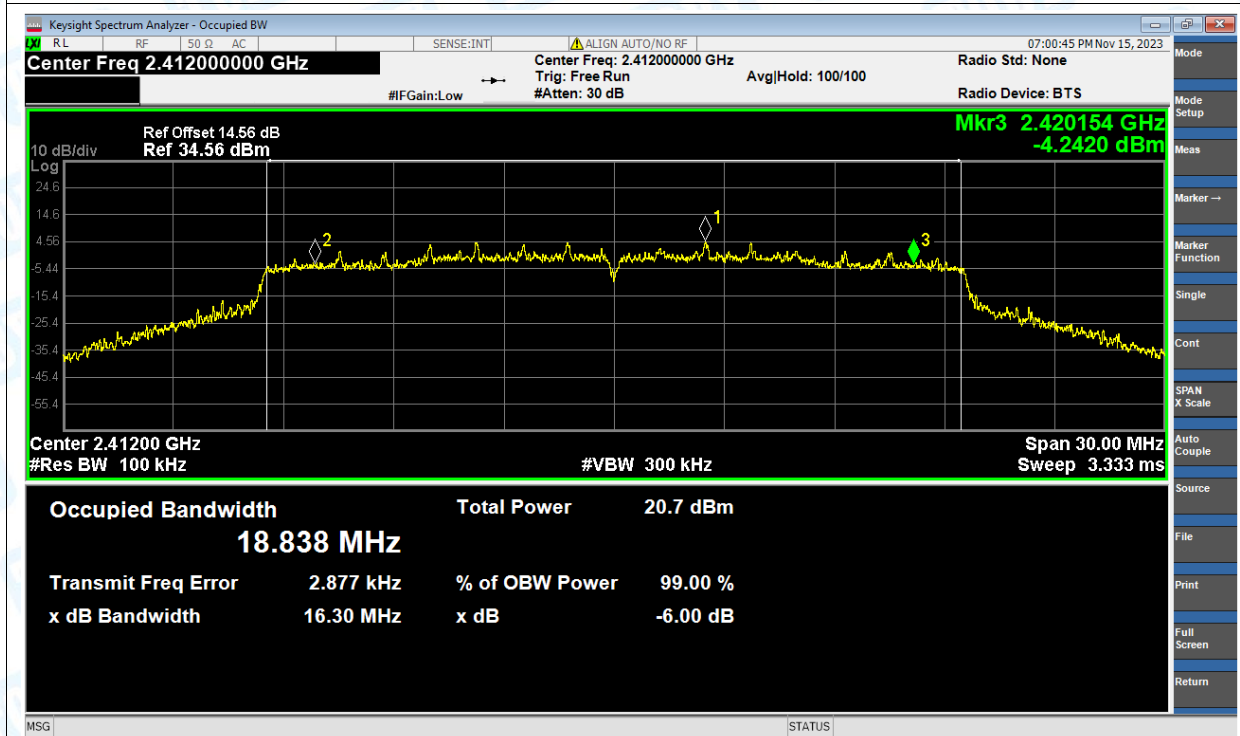
Note: The Duty Cycle Factor is compensated in the graph.

### 3. -6dB Bandwidth

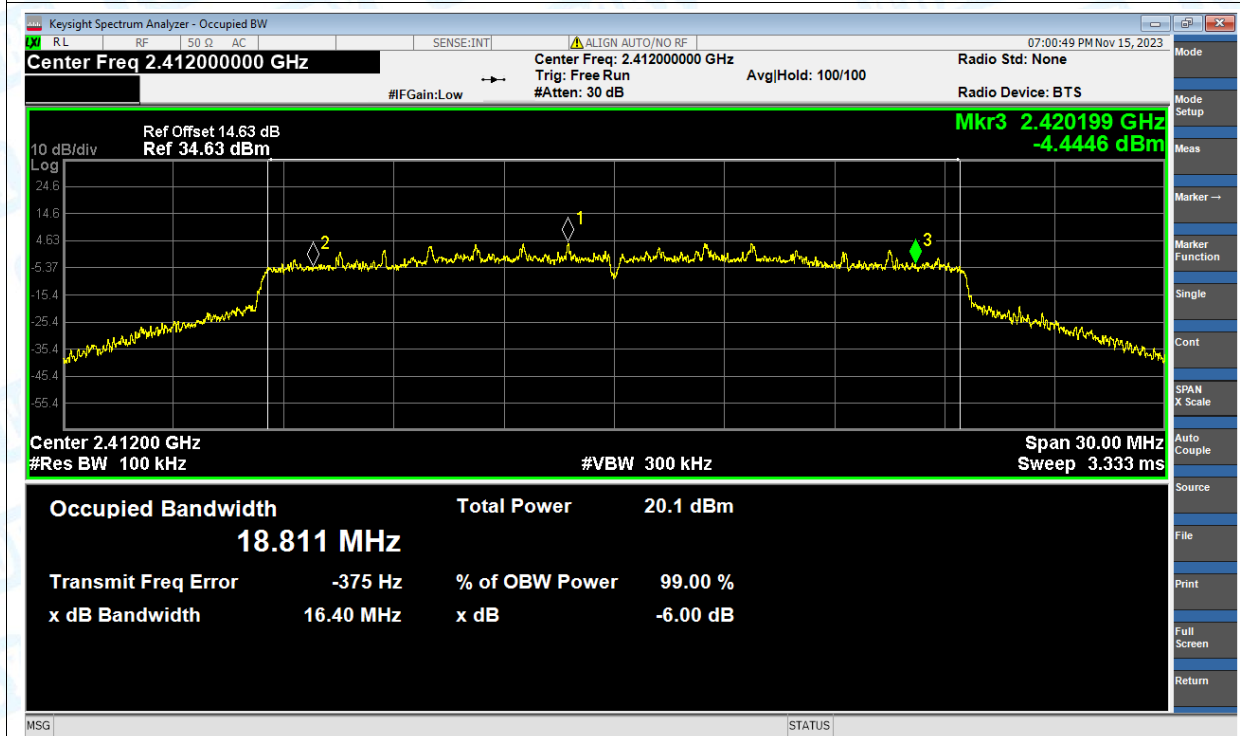
| Condition | Mode      | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|-----------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | ax(VHT20) | 2412            | Ant1    | 16.3                  | 0.5                         | Pass    |
| NVNT      | ax(VHT20) | 2412            | Ant2    | 16.4                  | 0.5                         | Pass    |
| NVNT      | ax(VHT20) | 2437            | Ant1    | 15.13                 | 0.5                         | Pass    |
| NVNT      | ax(VHT20) | 2437            | Ant2    | 15.05                 | 0.5                         | Pass    |
| NVNT      | ax(VHT20) | 2462            | Ant1    | 15.07                 | 0.5                         | Pass    |
| NVNT      | ax(VHT20) | 2462            | Ant2    | 16.23                 | 0.5                         | Pass    |
| NVNT      | ax(VHT40) | 2422            | Ant1    | 35.04                 | 0.5                         | Pass    |
| NVNT      | ax(VHT40) | 2422            | Ant2    | 35.06                 | 0.5                         | Pass    |
| NVNT      | ax(VHT40) | 2437            | Ant1    | 35.05                 | 0.5                         | Pass    |
| NVNT      | ax(VHT40) | 2437            | Ant2    | 35.11                 | 0.5                         | Pass    |
| NVNT      | ax(VHT40) | 2452            | Ant1    | 35.1                  | 0.5                         | Pass    |
| NVNT      | ax(VHT40) | 2452            | Ant2    | 35.1                  | 0.5                         | Pass    |
| NVNT      | b         | 2412            | Ant1    | 8.06                  | 0.5                         | Pass    |
| NVNT      | b         | 2412            | Ant2    | 8.58                  | 0.5                         | Pass    |
| NVNT      | b         | 2437            | Ant1    | 9.06                  | 0.5                         | Pass    |
| NVNT      | b         | 2437            | Ant2    | 8.58                  | 0.5                         | Pass    |
| NVNT      | b         | 2462            | Ant1    | 9.04                  | 0.5                         | Pass    |
| NVNT      | b         | 2462            | Ant2    | 8.54                  | 0.5                         | Pass    |
| NVNT      | g         | 2412            | Ant1    | 16.32                 | 0.5                         | Pass    |
| NVNT      | g         | 2412            | Ant2    | 16.31                 | 0.5                         | Pass    |
| NVNT      | g         | 2437            | Ant1    | 16.31                 | 0.5                         | Pass    |
| NVNT      | g         | 2437            | Ant2    | 16.32                 | 0.5                         | Pass    |
| NVNT      | g         | 2462            | Ant1    | 16.31                 | 0.5                         | Pass    |
| NVNT      | g         | 2462            | Ant2    | 16.33                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 2412            | Ant1    | 15.11                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 2412            | Ant2    | 15.13                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 2437            | Ant1    | 15.09                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 2437            | Ant2    | 15.08                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 2462            | Ant1    | 15.08                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 2462            | Ant2    | 15.11                 | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 2422            | Ant1    | 35.04                 | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 2422            | Ant2    | 35.1                  | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 2437            | Ant1    | 35.1                  | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 2437            | Ant2    | 35.09                 | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 2452            | Ant1    | 35.07                 | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 2452            | Ant2    | 35.1                  | 0.5                         | Pass    |

### Test Graphs

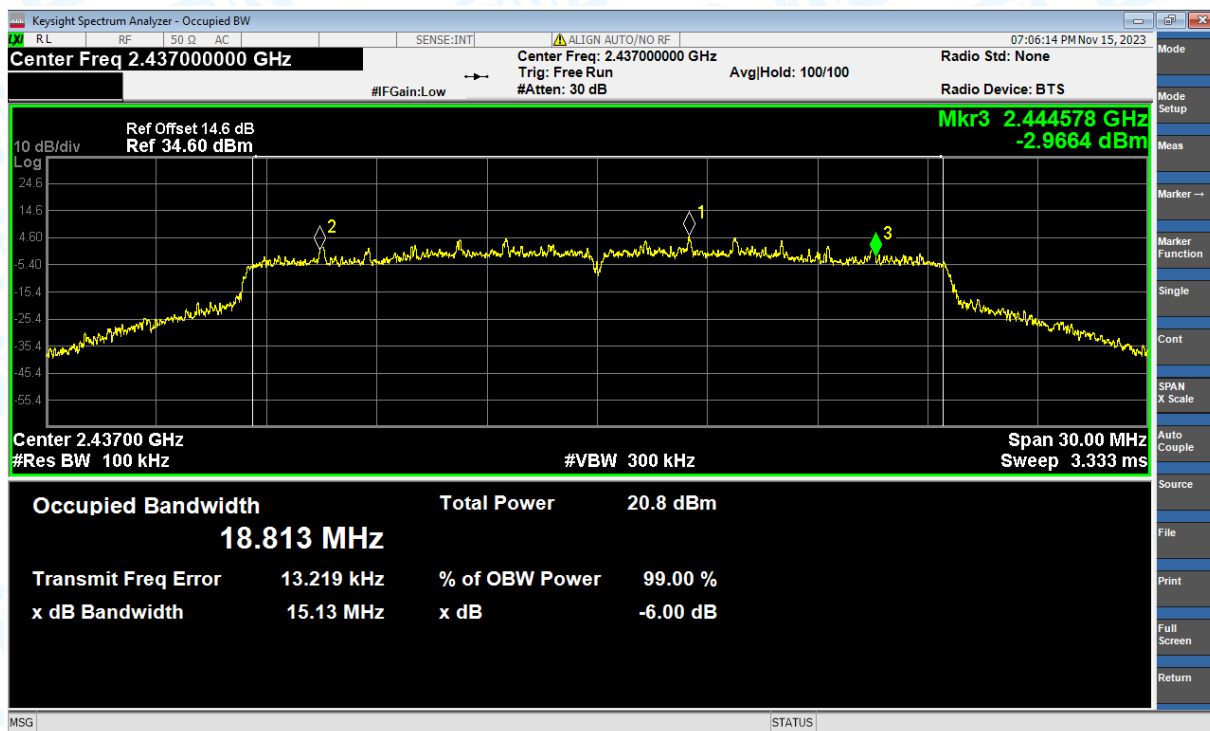
#### -6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant1



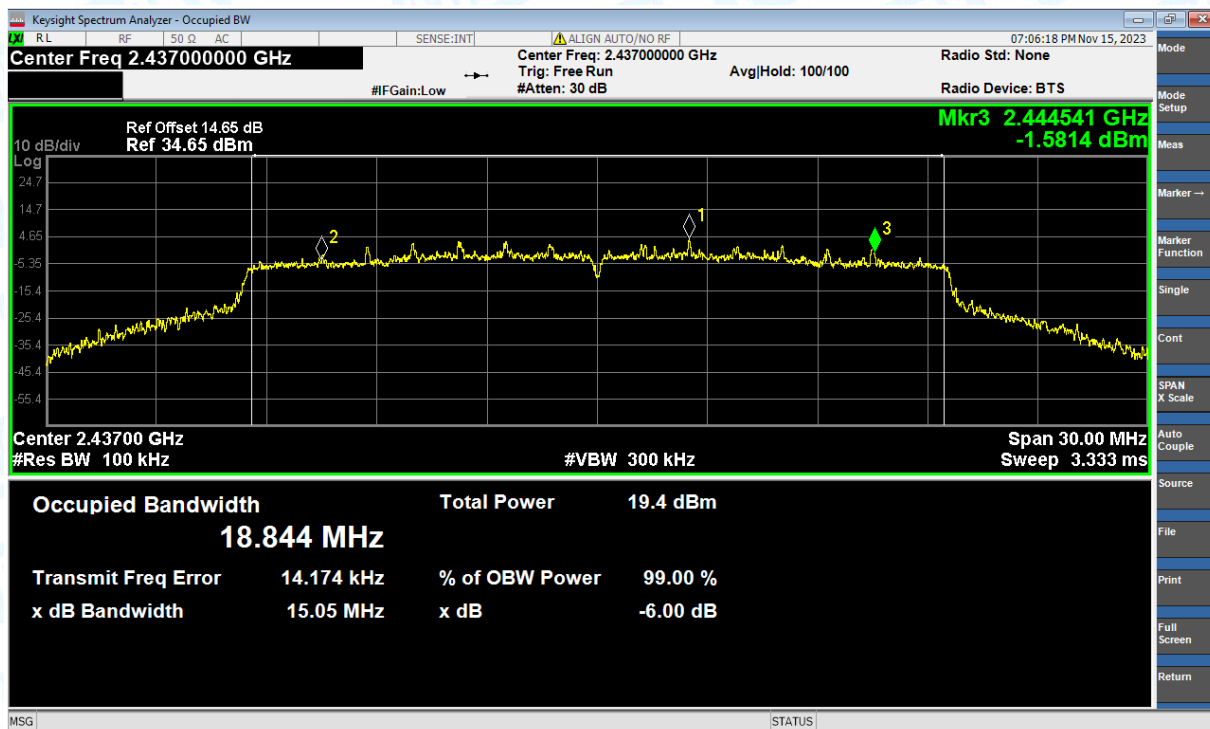
#### -6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant2



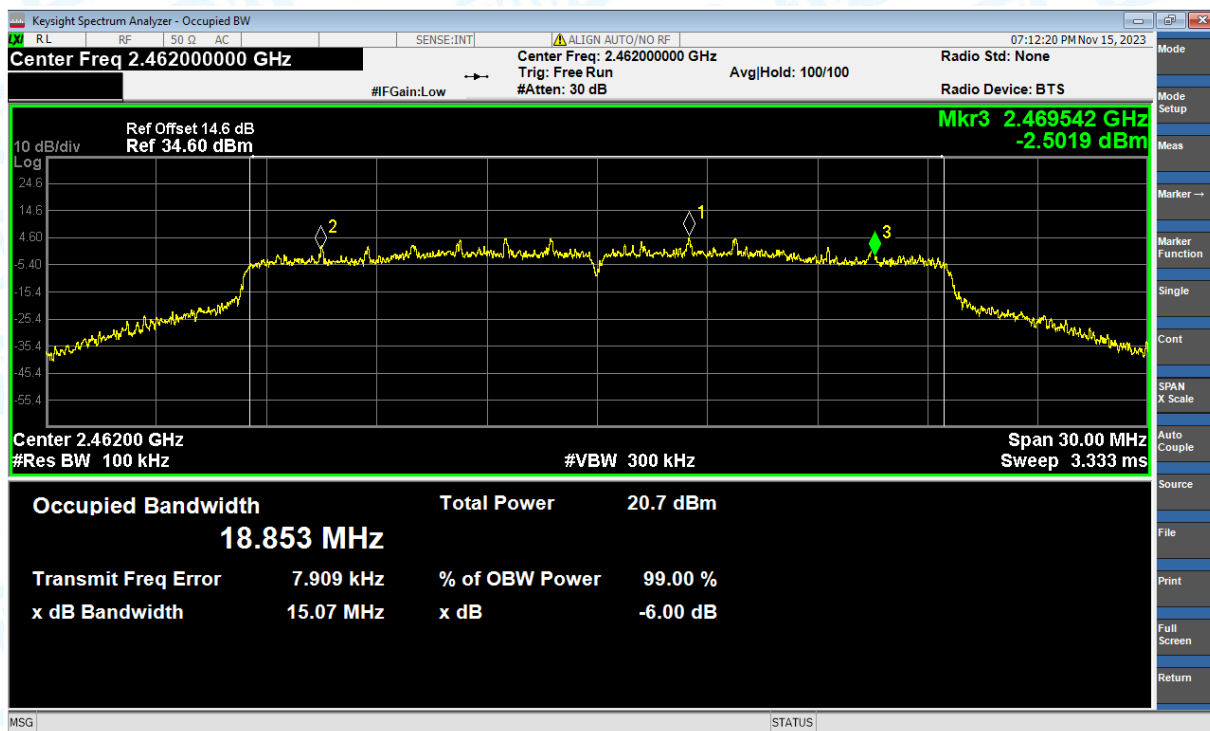
-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant1



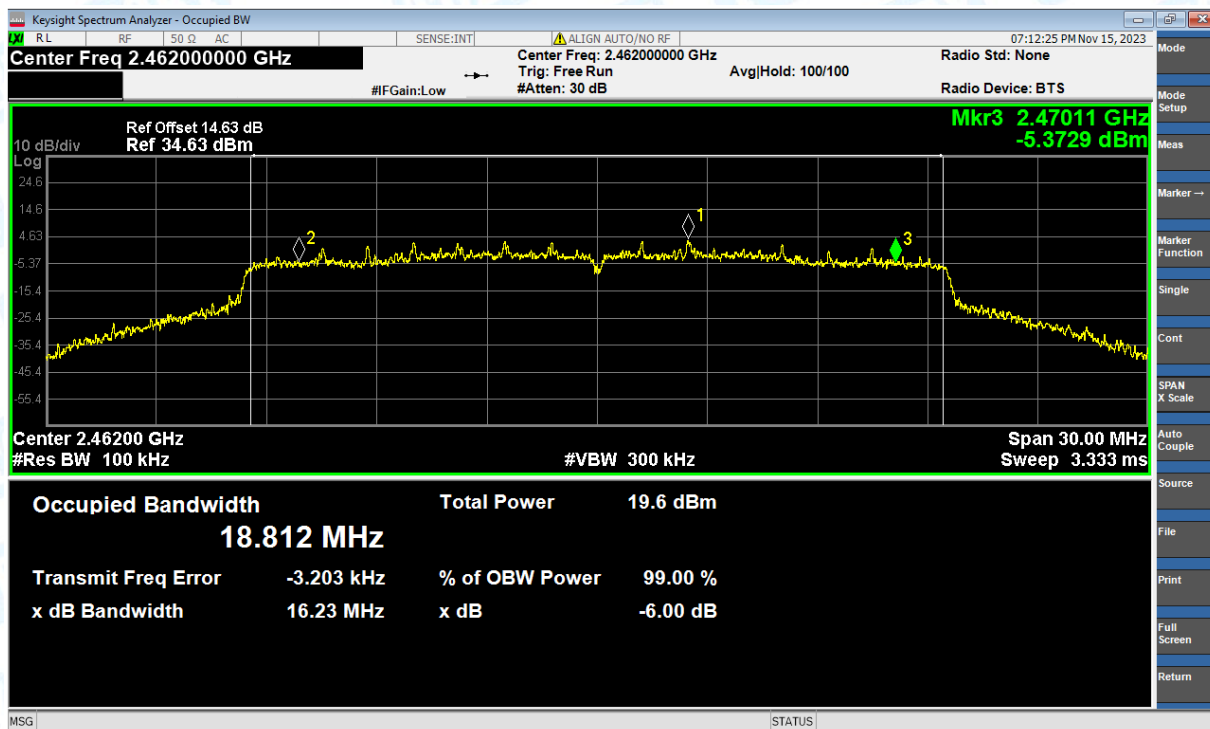
-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant2



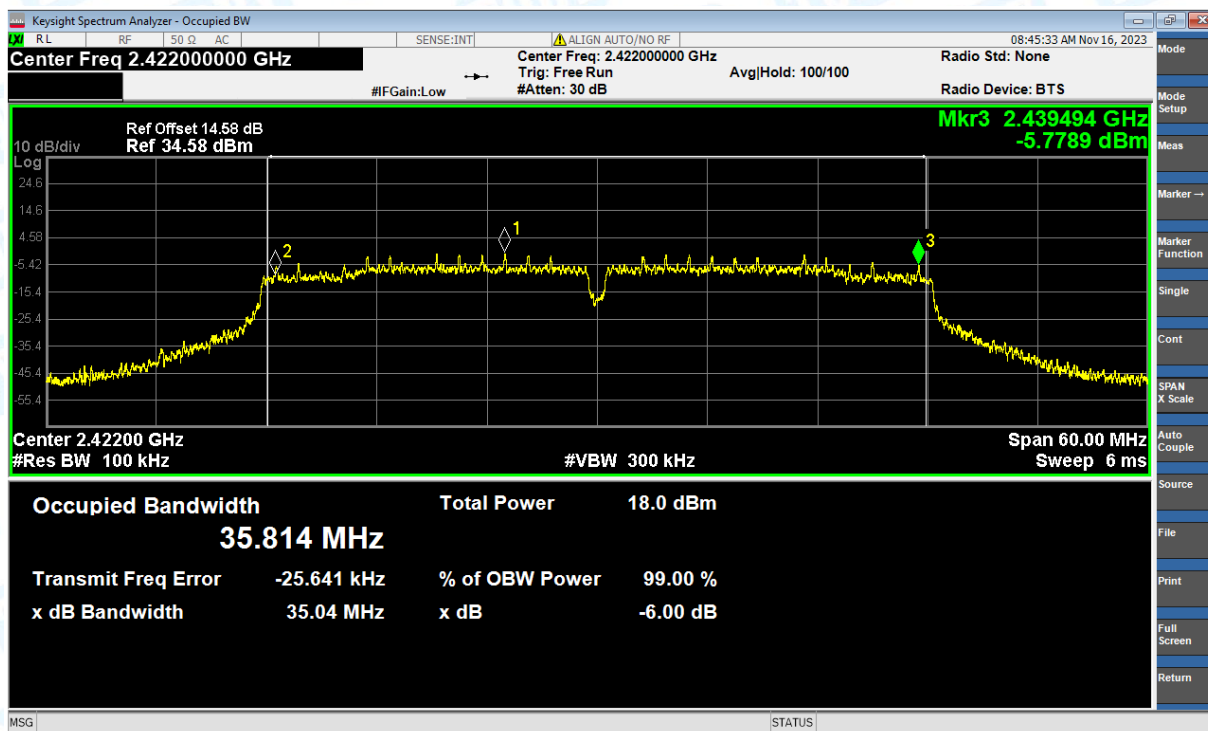
-6dB Bandwidth NVNT ax(VHT20) 2462MHz Ant1



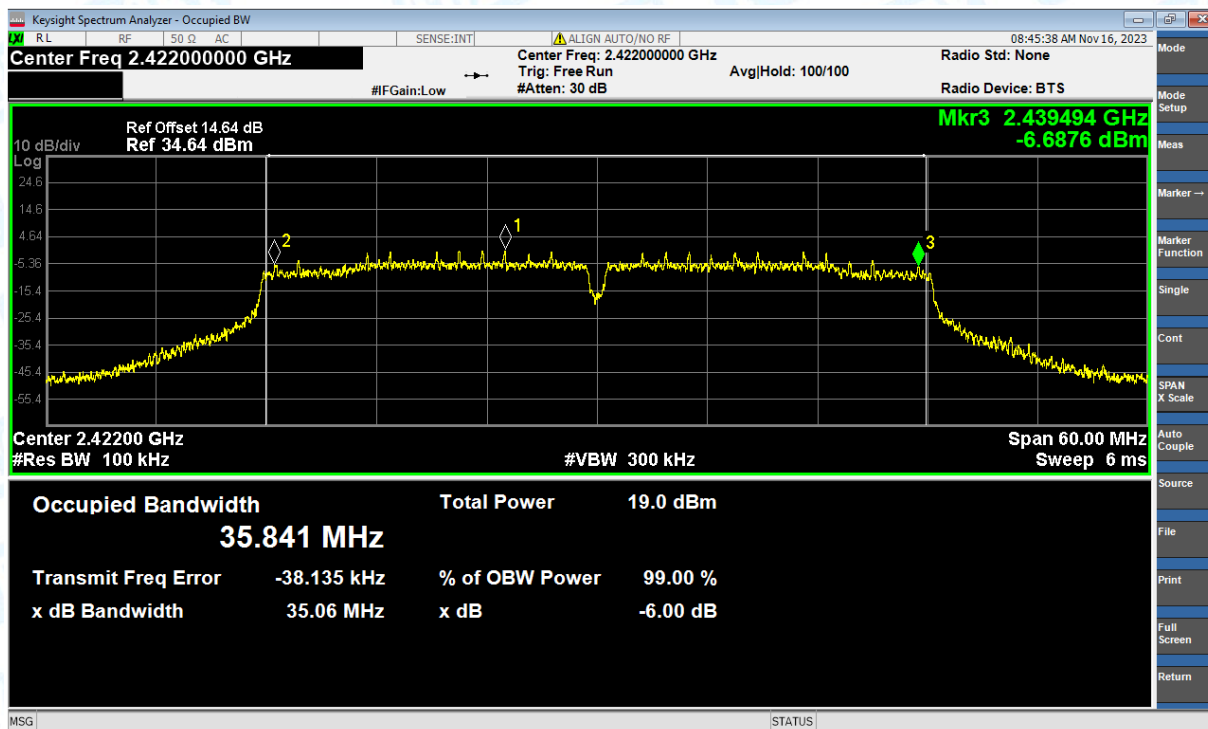
-6dB Bandwidth NVNT ax(VHT20) 2462MHz Ant2



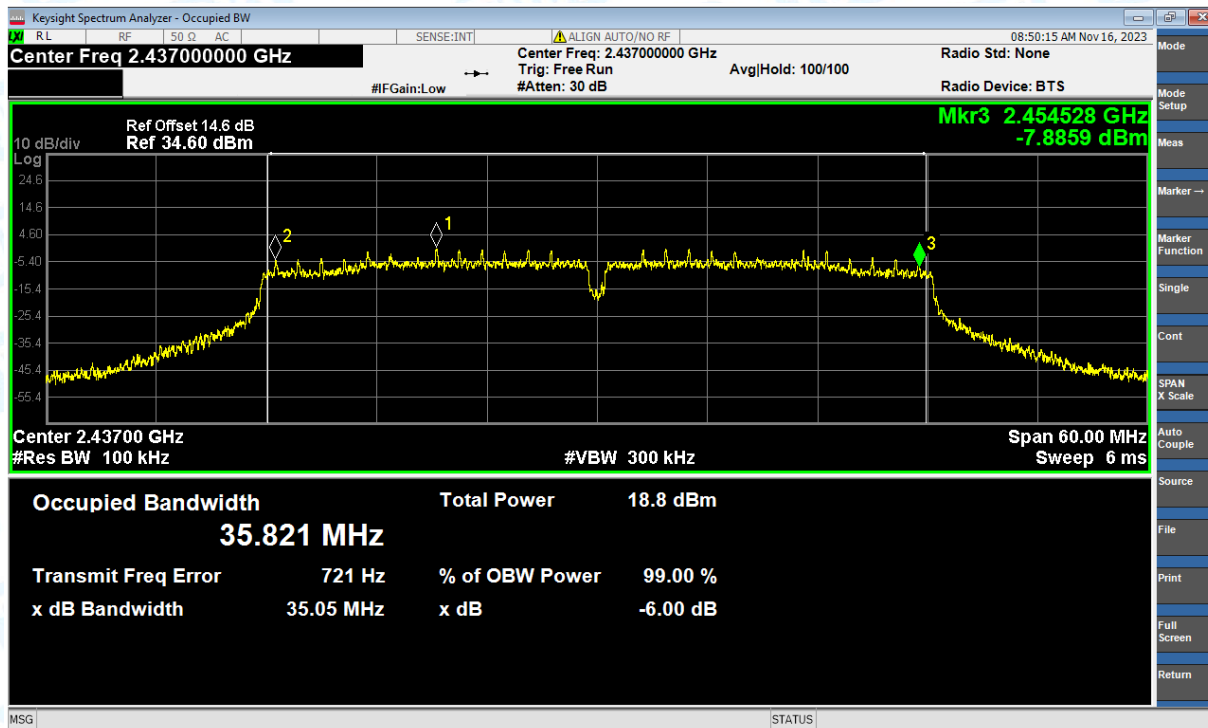
-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant1



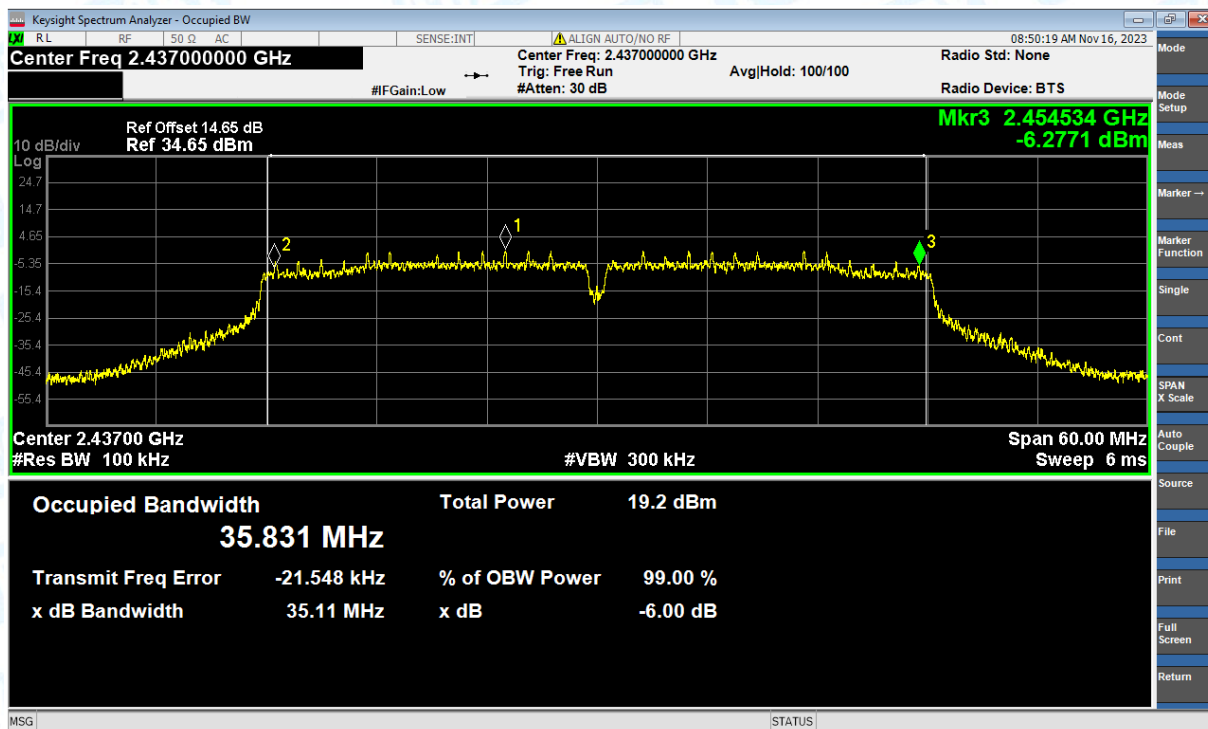
-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant2



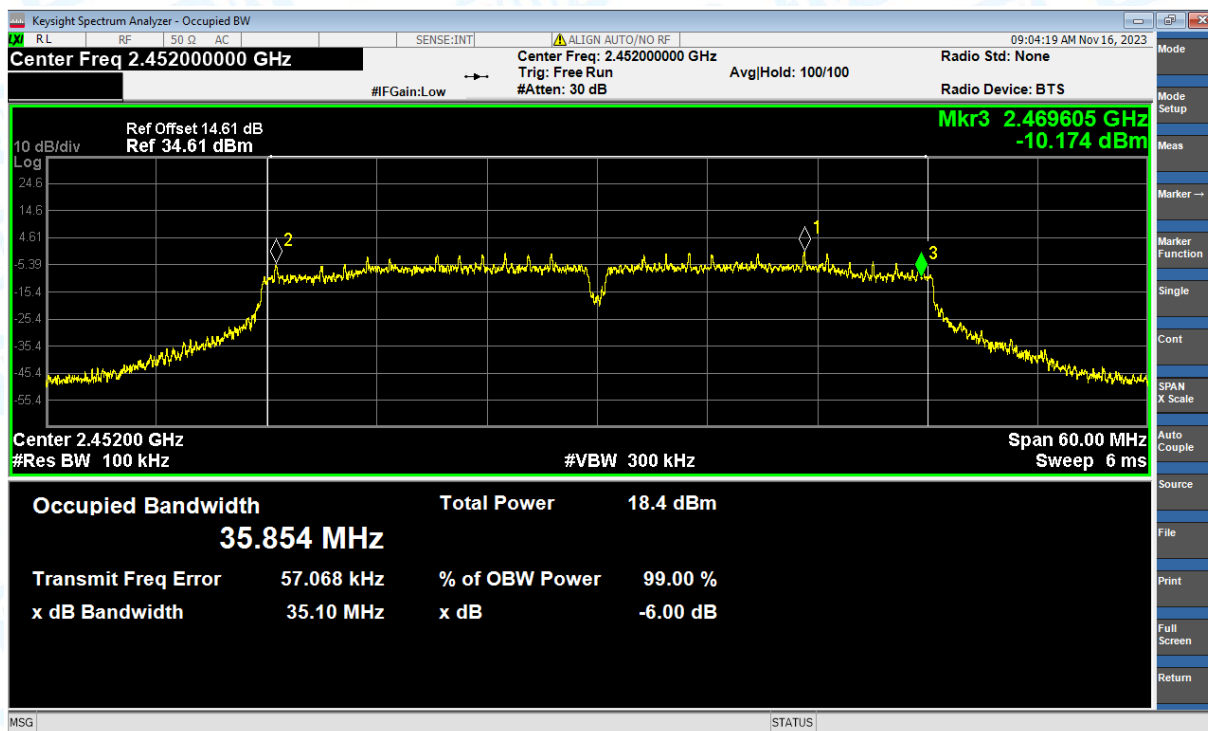
-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant1



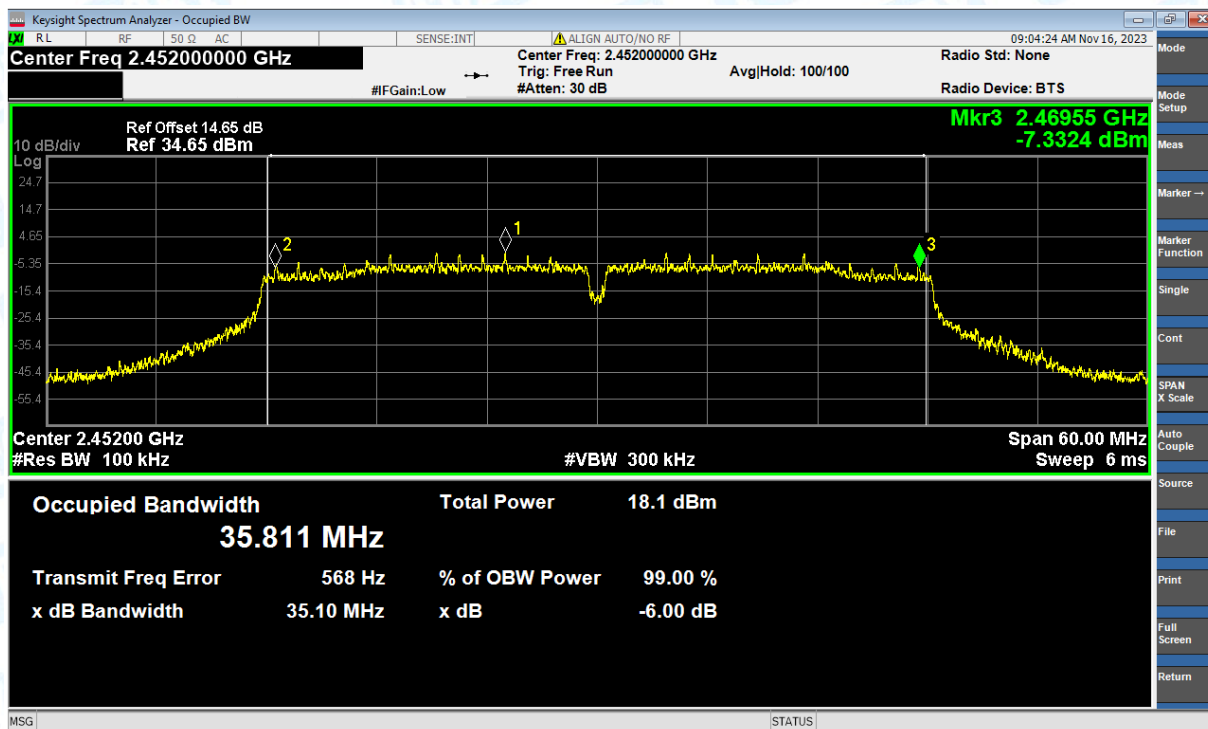
-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant2



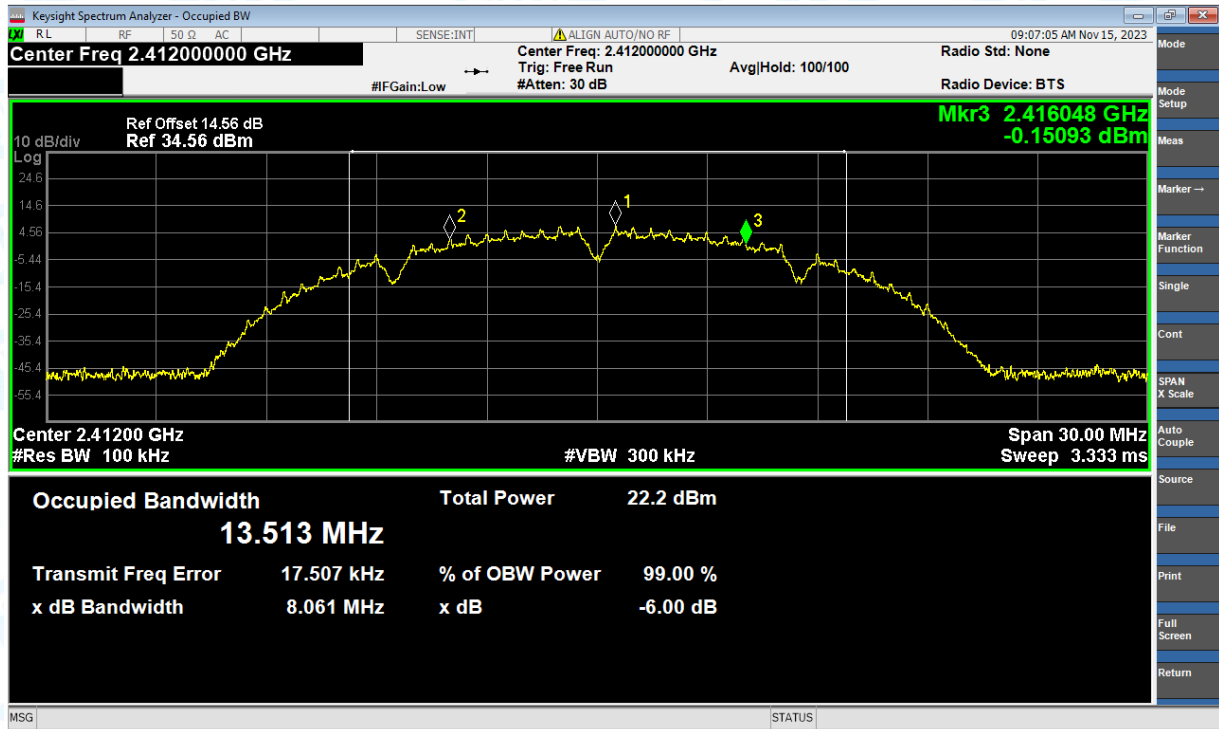
-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant1



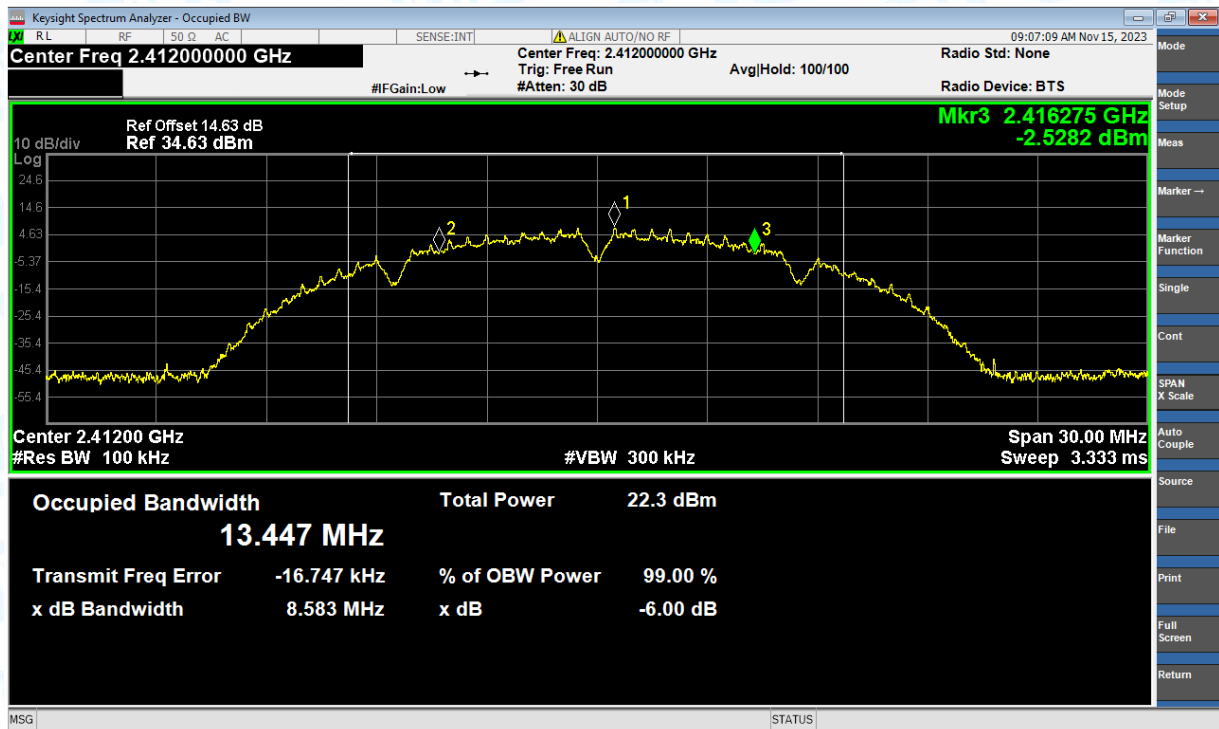
-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant2



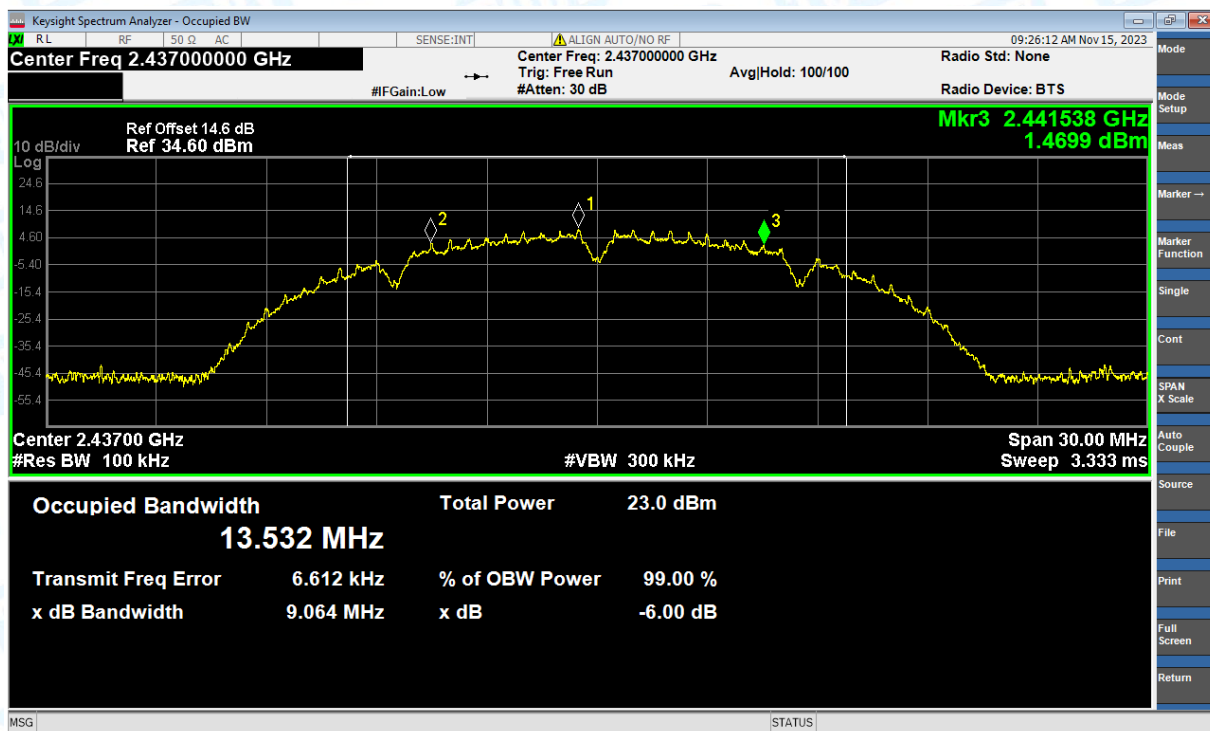
-6dB Bandwidth NVNT b 2412MHz Ant1



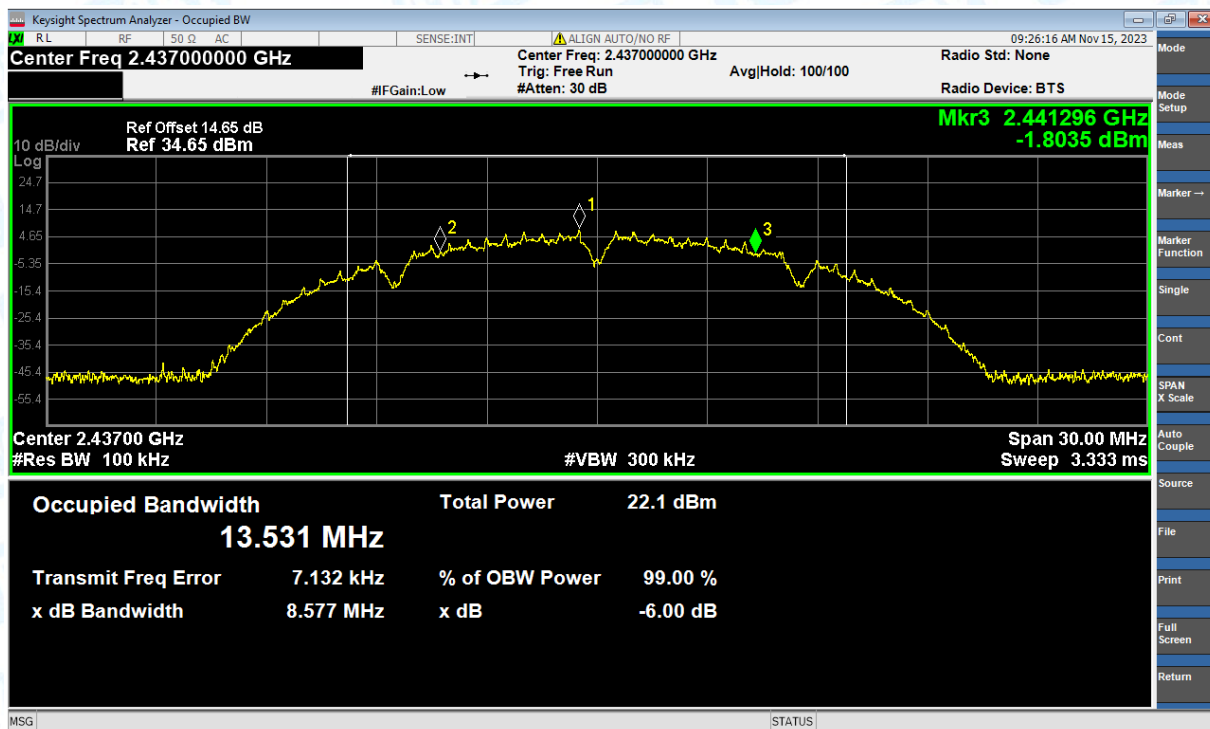
-6dB Bandwidth NVNT b 2412MHz Ant2



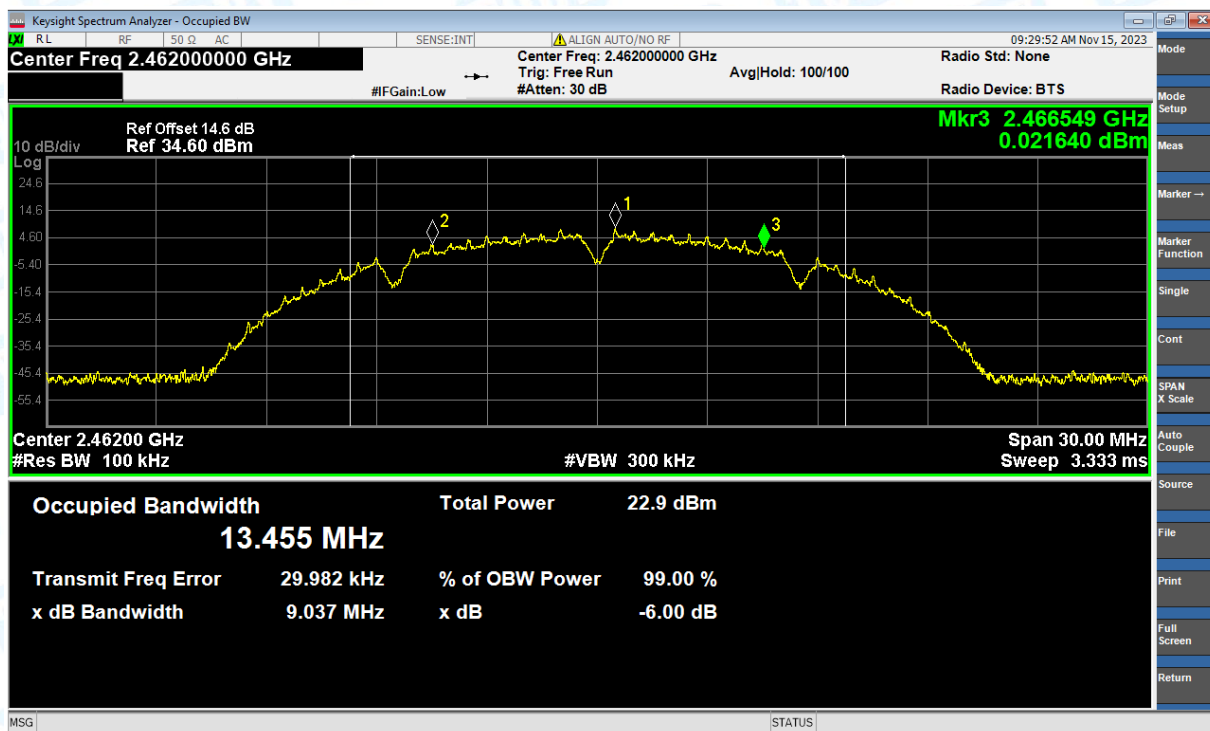
-6dB Bandwidth NVNT b 2437MHz Ant1



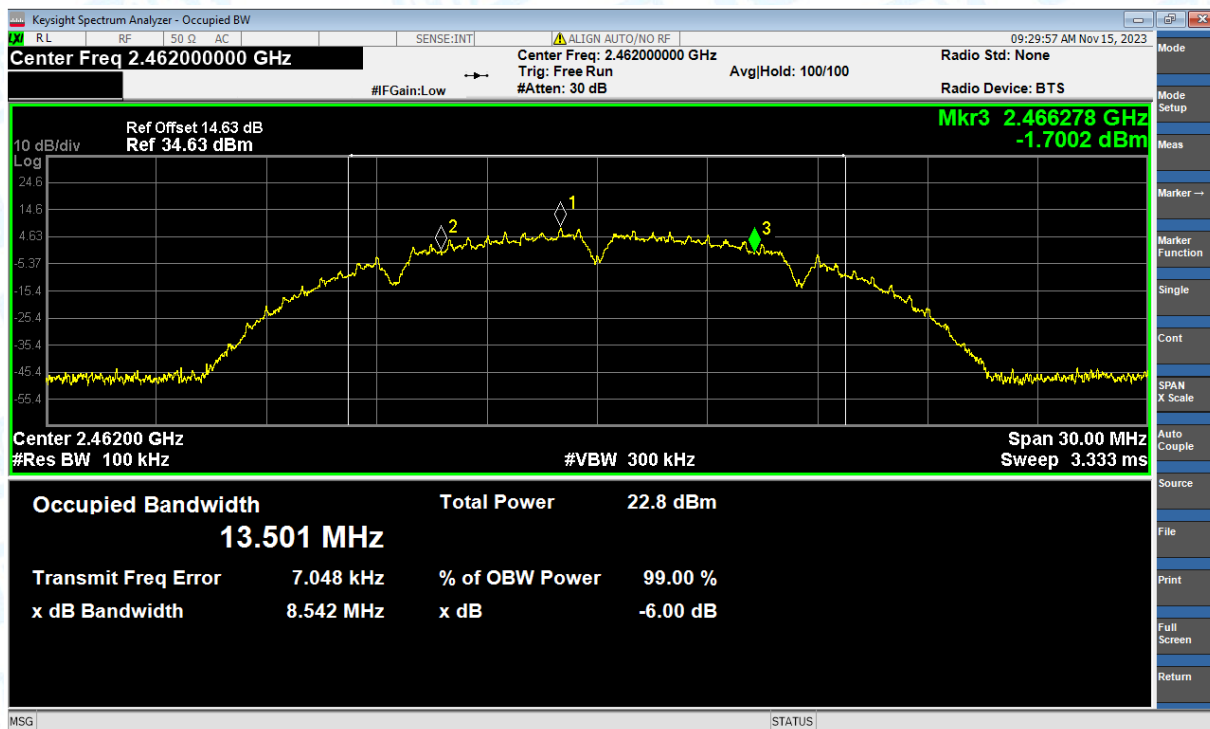
-6dB Bandwidth NVNT b 2437MHz Ant2



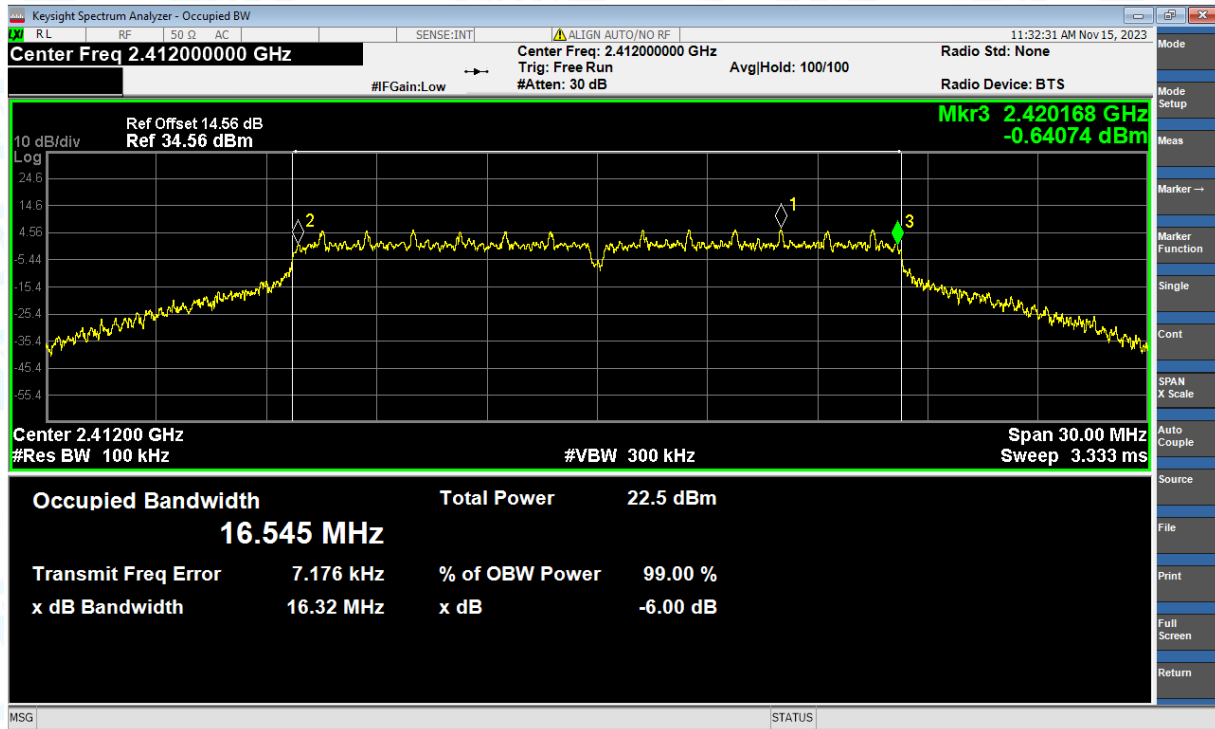
-6dB Bandwidth NVNT b 2462MHz Ant1



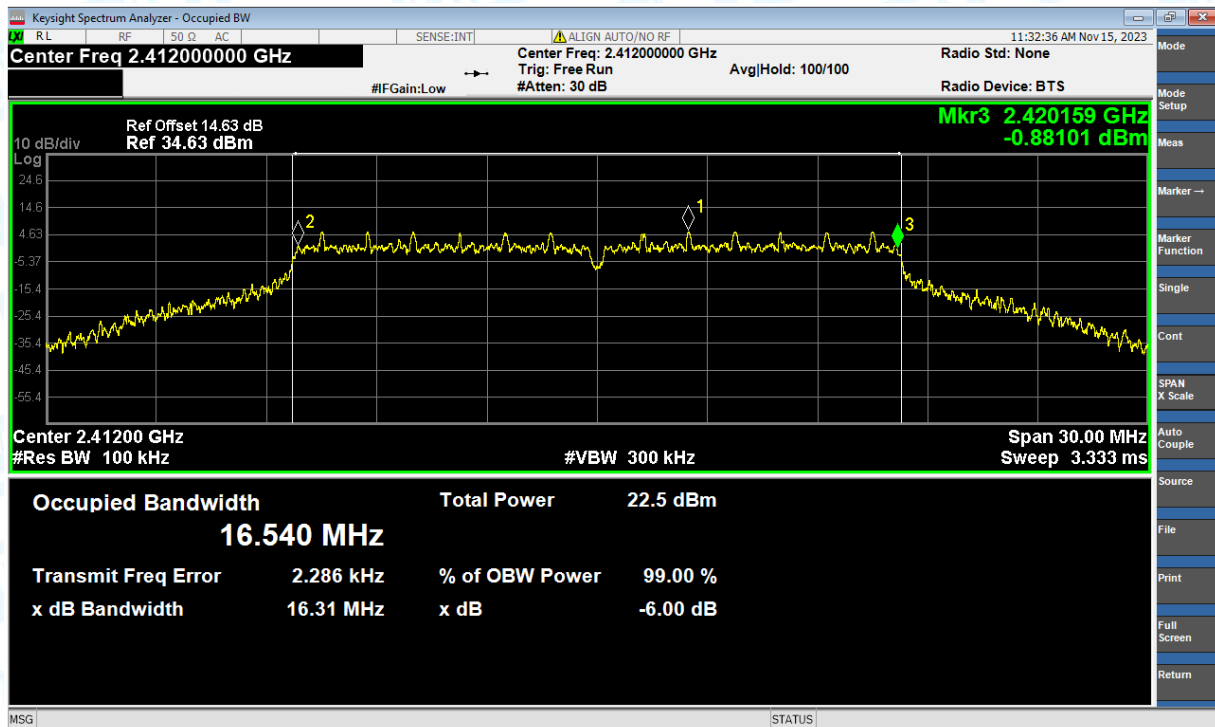
-6dB Bandwidth NVNT b 2462MHz Ant2



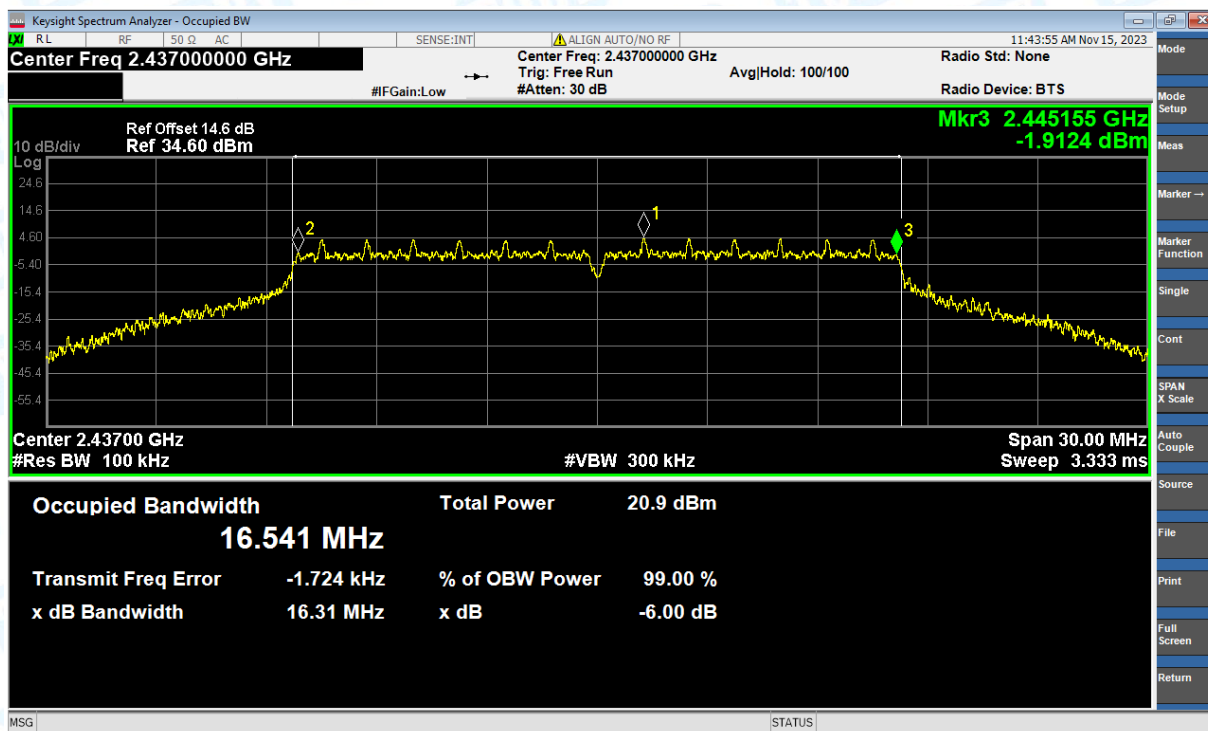
-6dB Bandwidth NVNT g 2412MHz Ant1



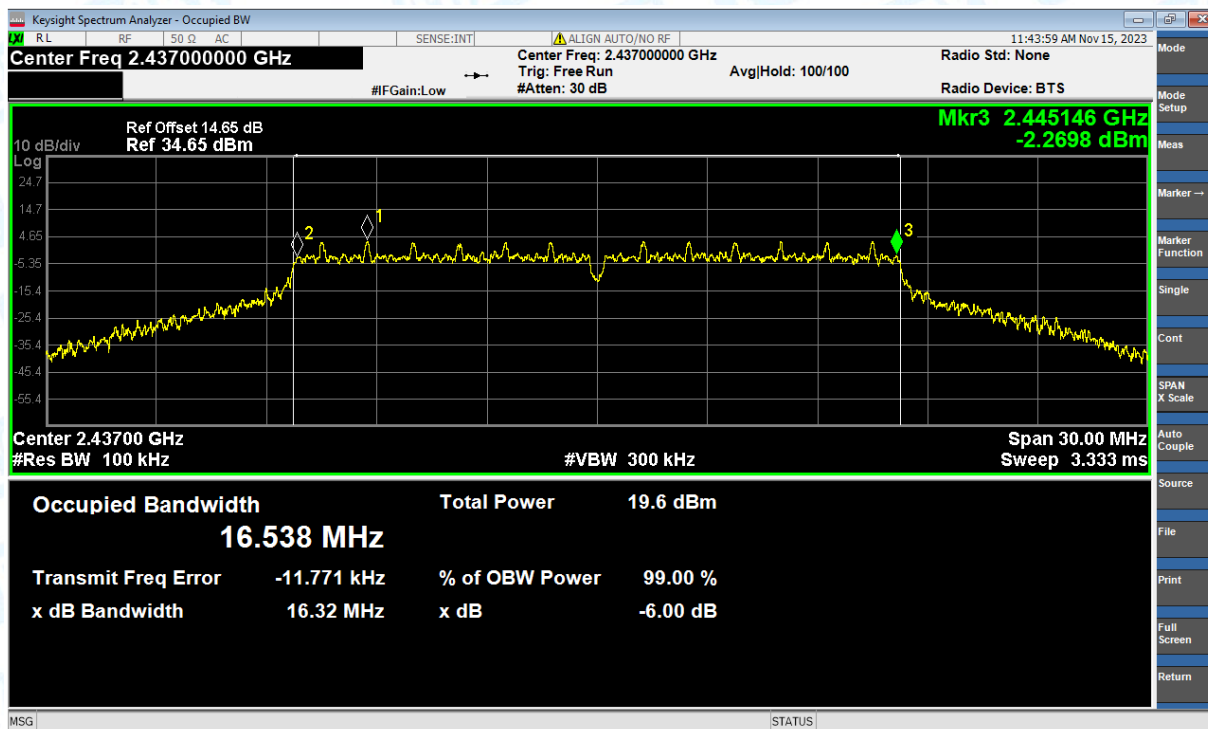
-6dB Bandwidth NVNT g 2412MHz Ant2



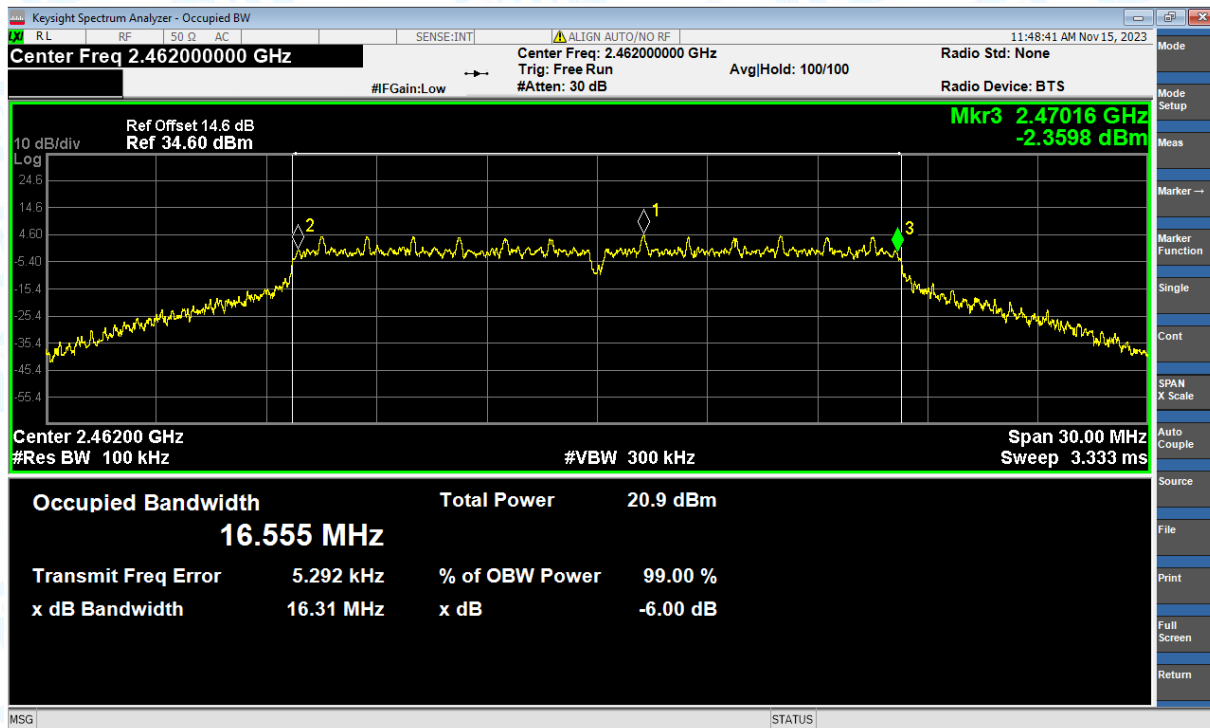
-6dB Bandwidth NVNT g 2437MHz Ant1



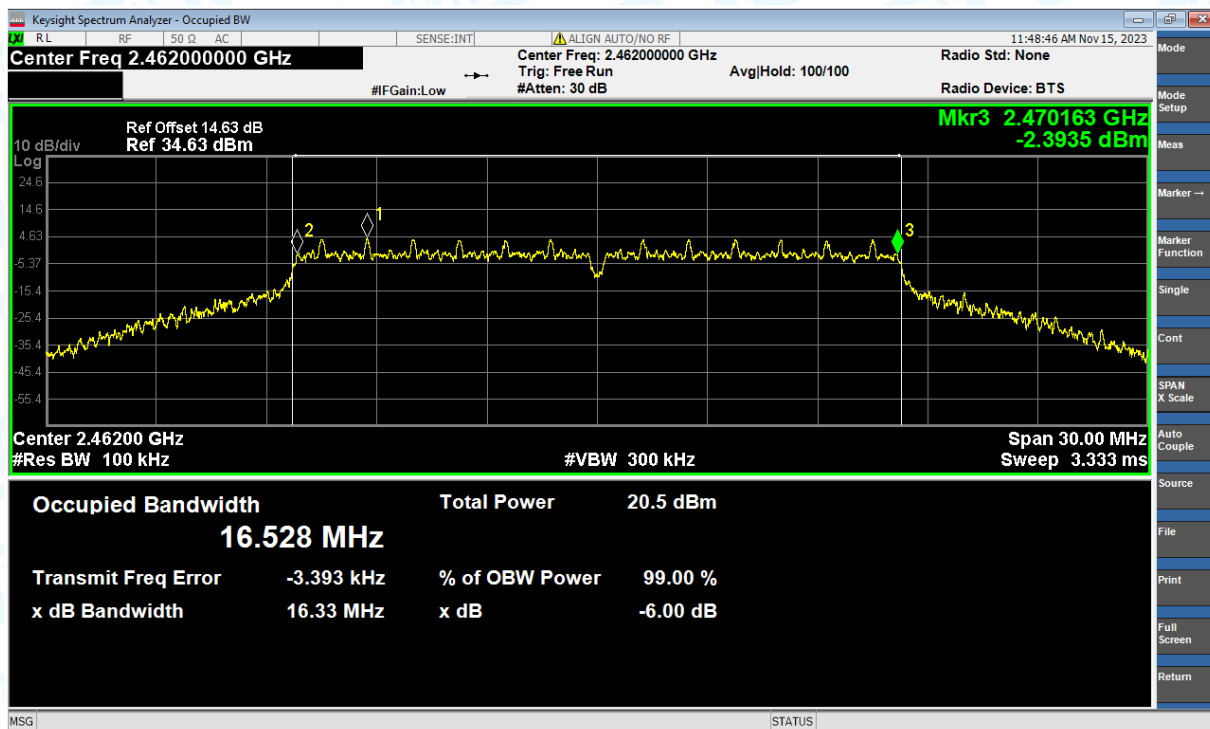
-6dB Bandwidth NVNT g 2437MHz Ant2



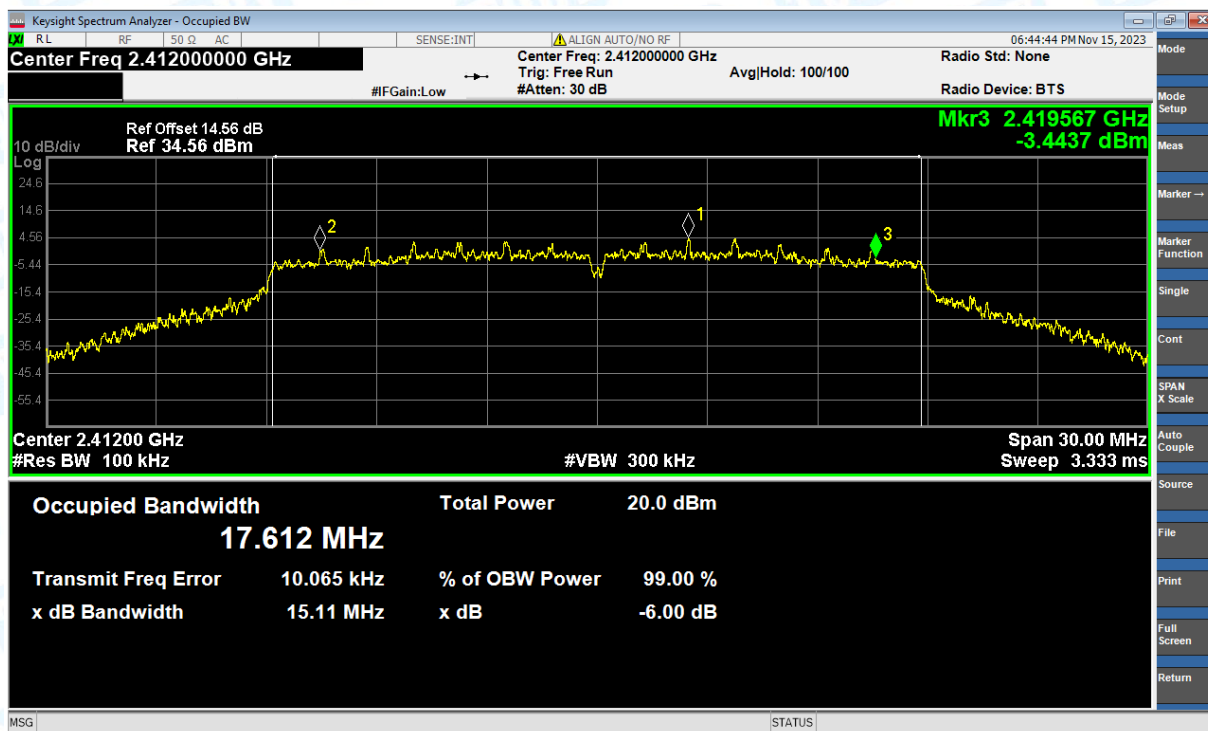
-6dB Bandwidth NVNT g 2462MHz Ant1



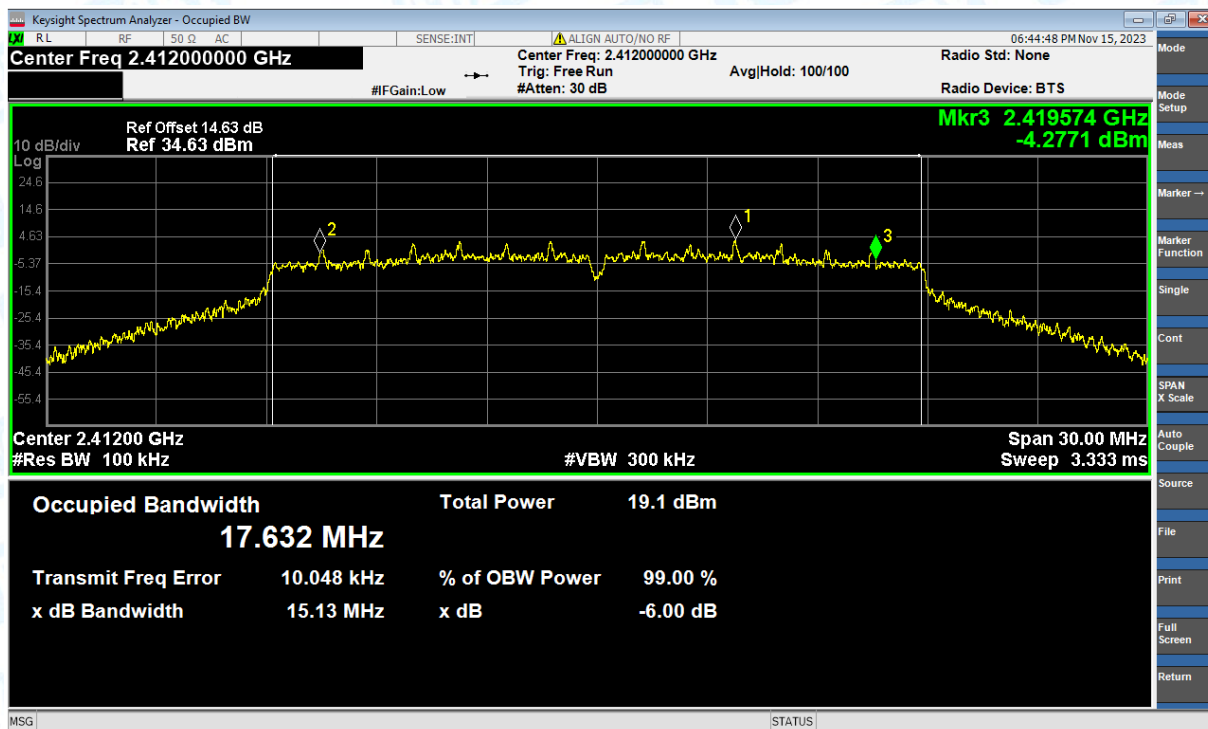
-6dB Bandwidth NVNT g 2462MHz Ant2



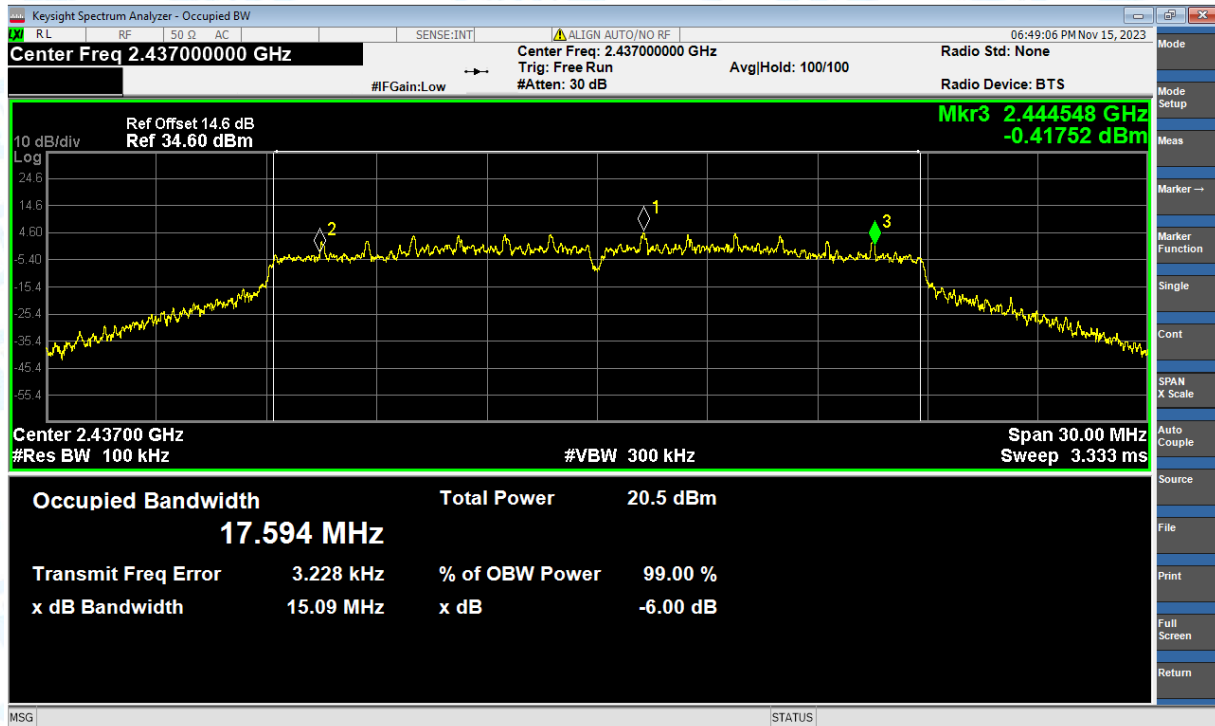
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



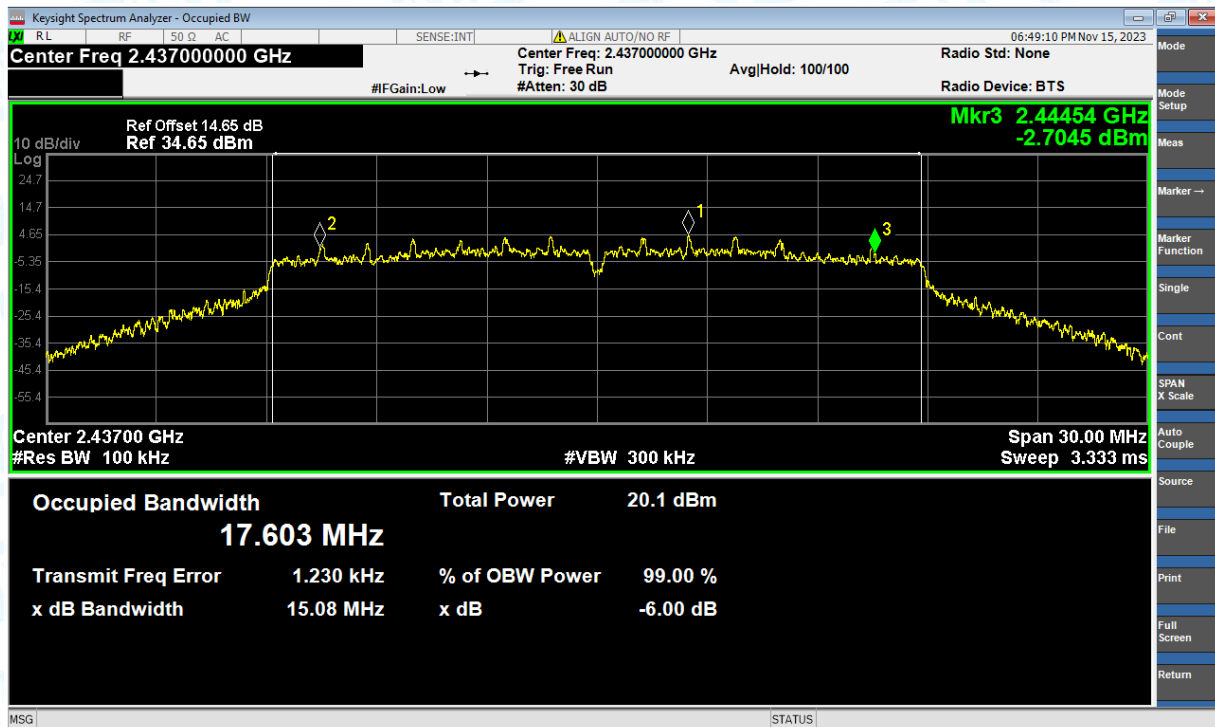
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant2



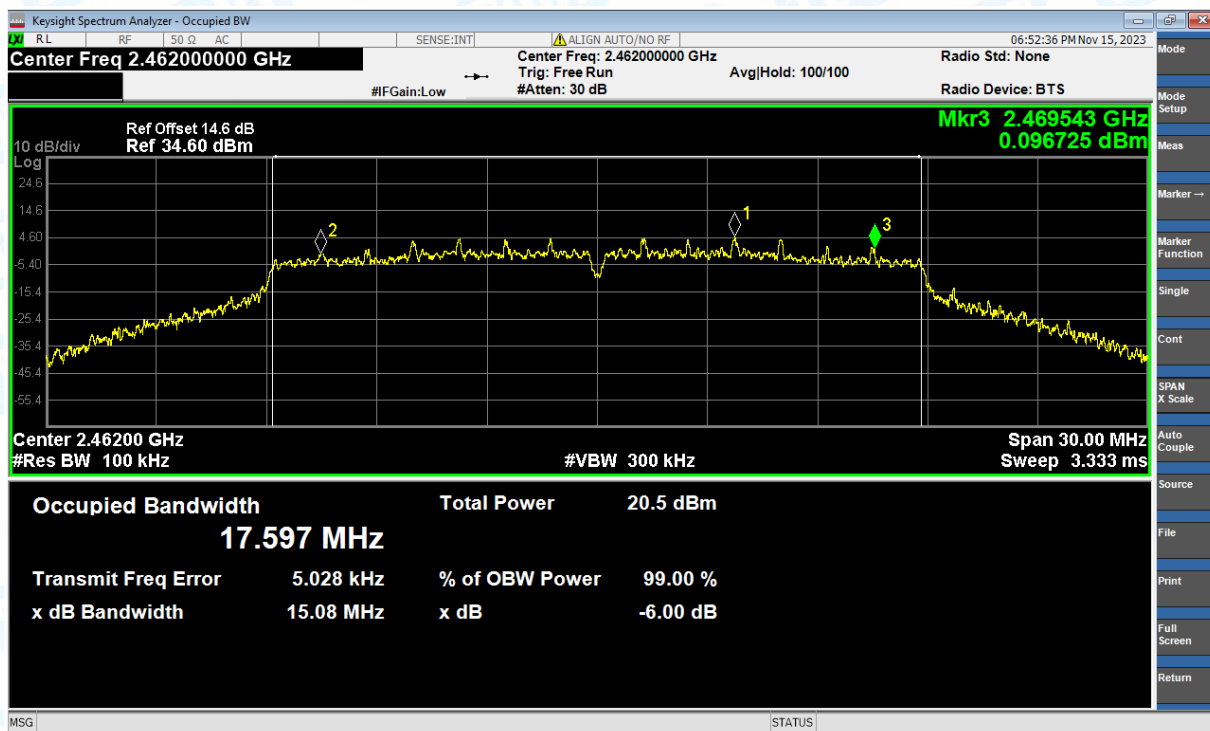
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



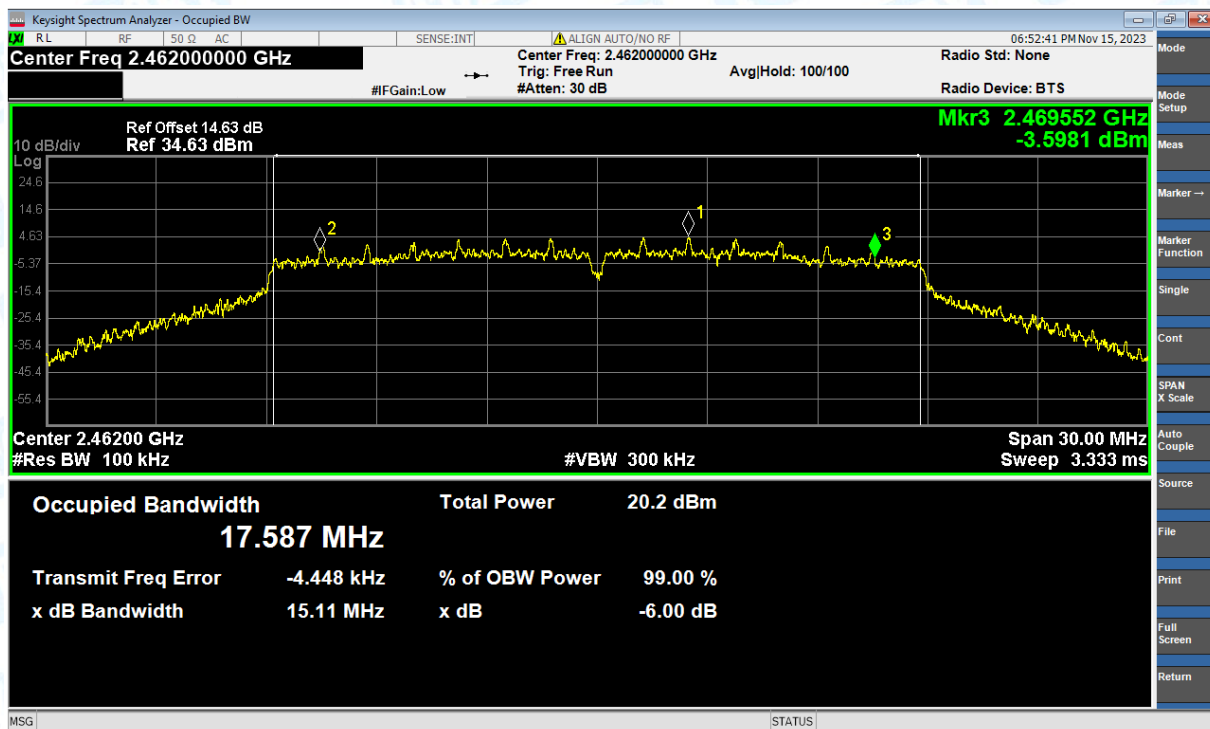
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant2



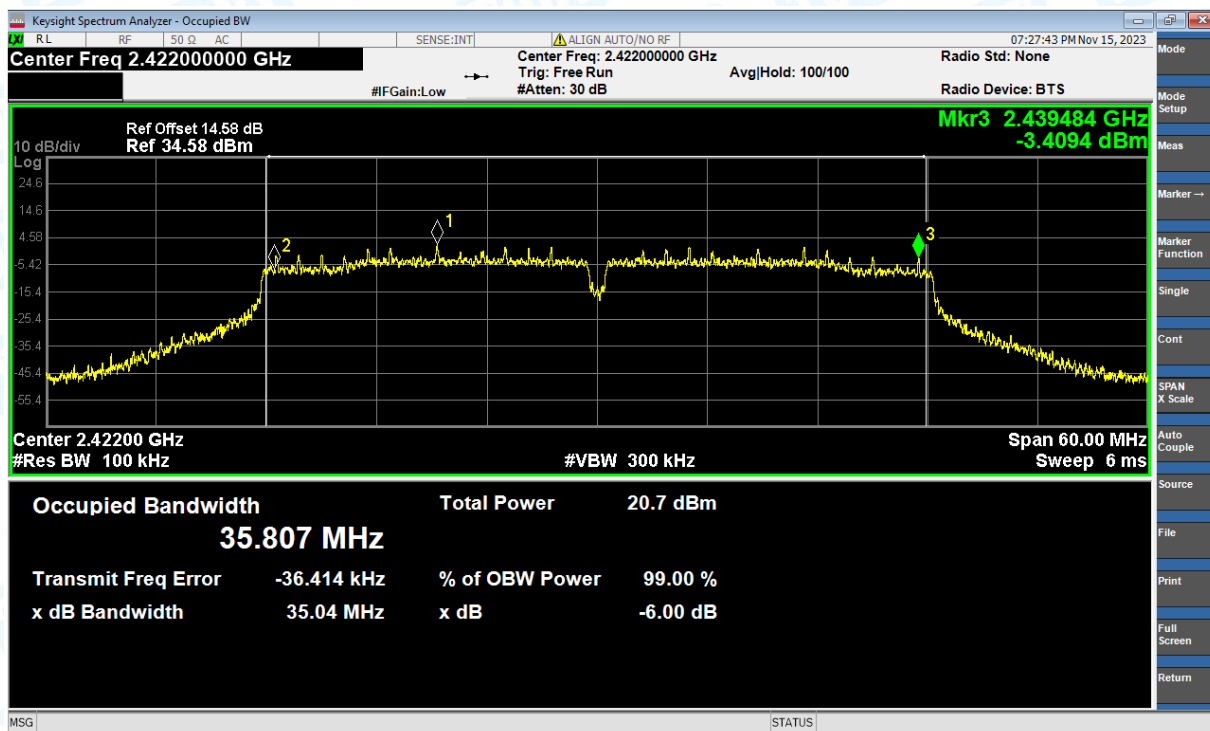
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



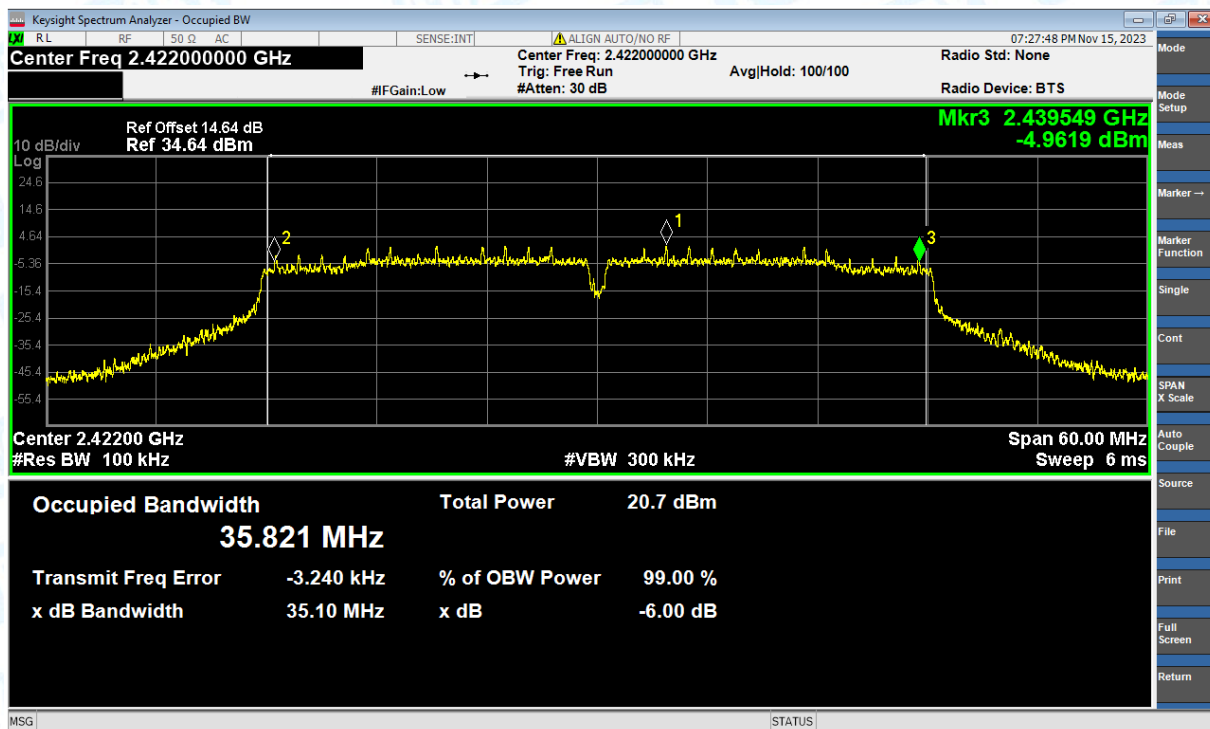
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant2



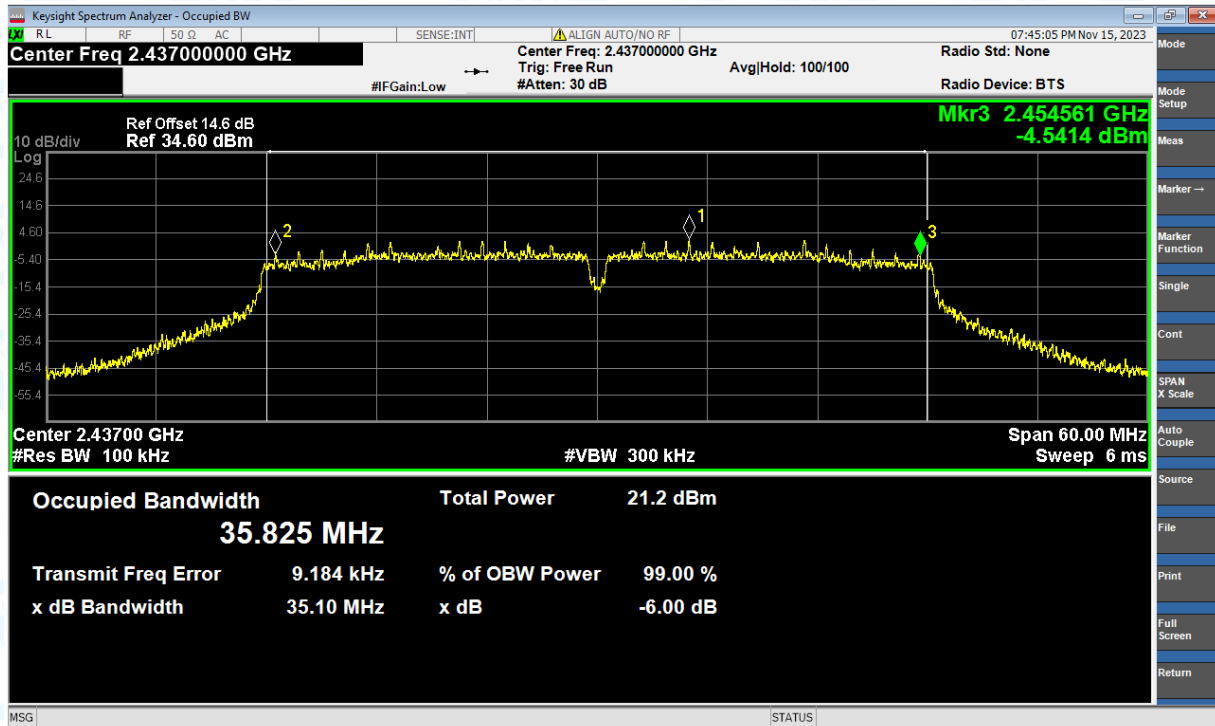
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



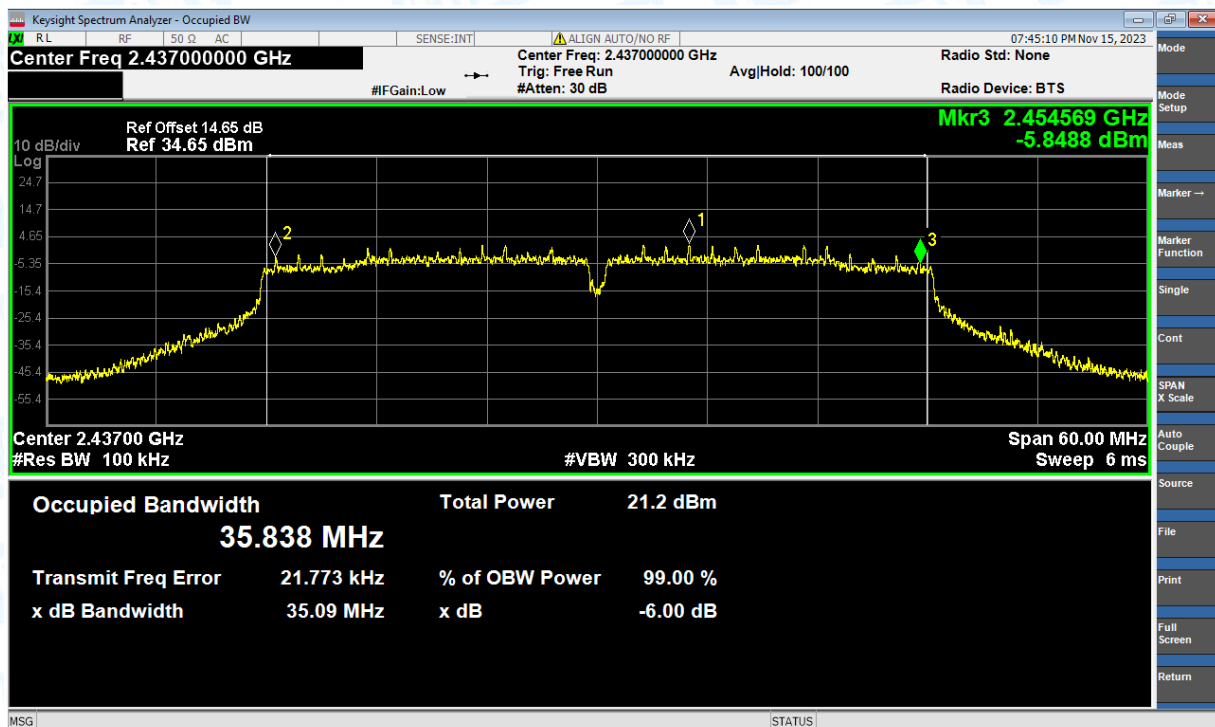
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant2



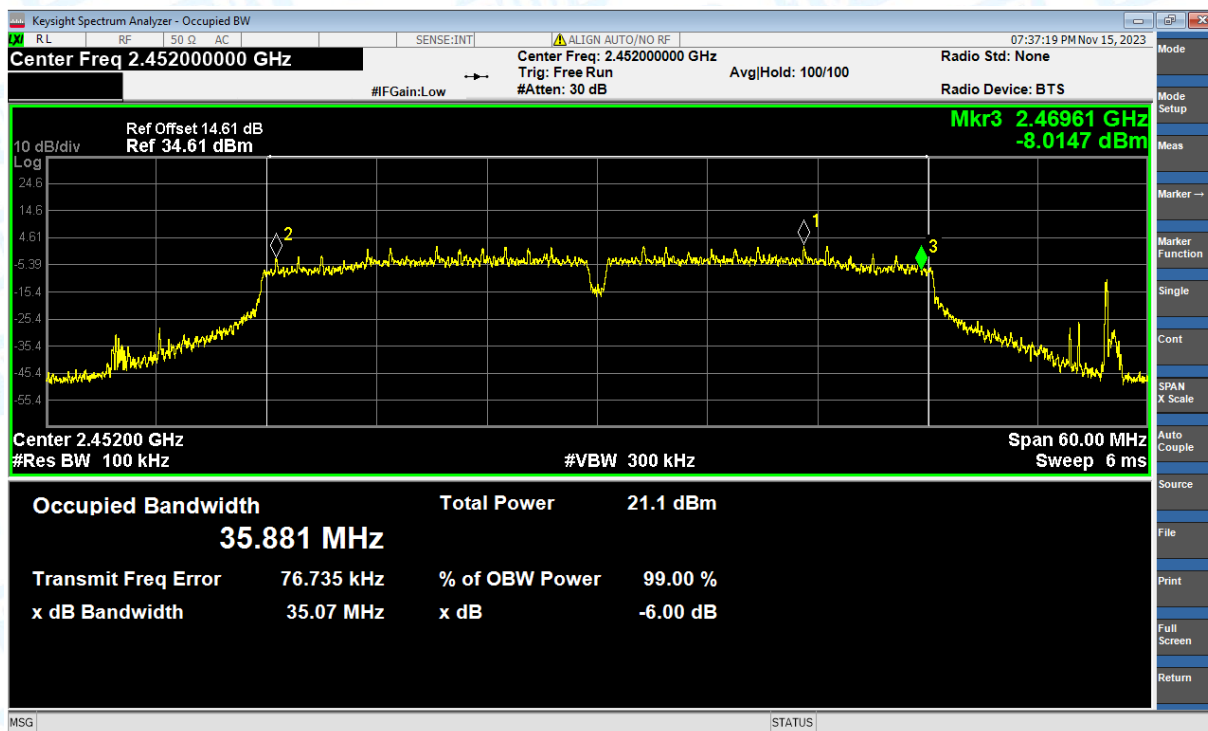
-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



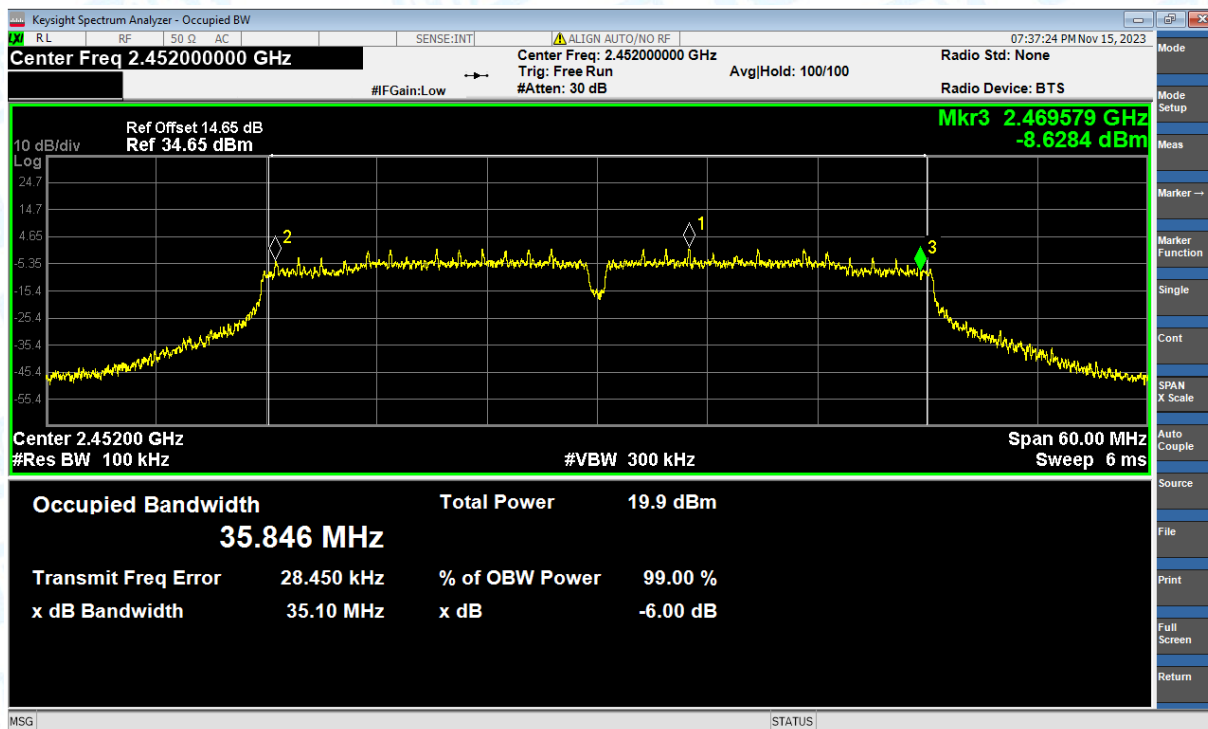
-6dB Bandwidth NVNT n(HT40) 2437MHz Ant2



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant2

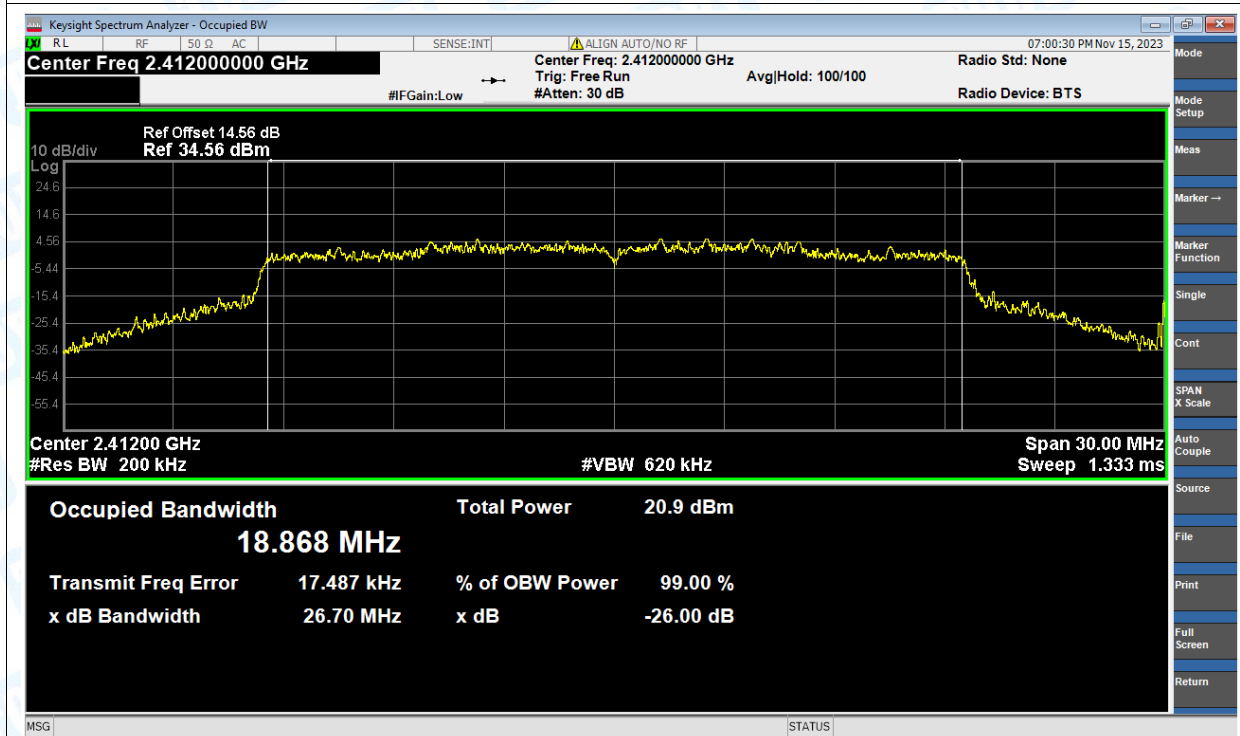


## 4. Occupied Channel Bandwidth

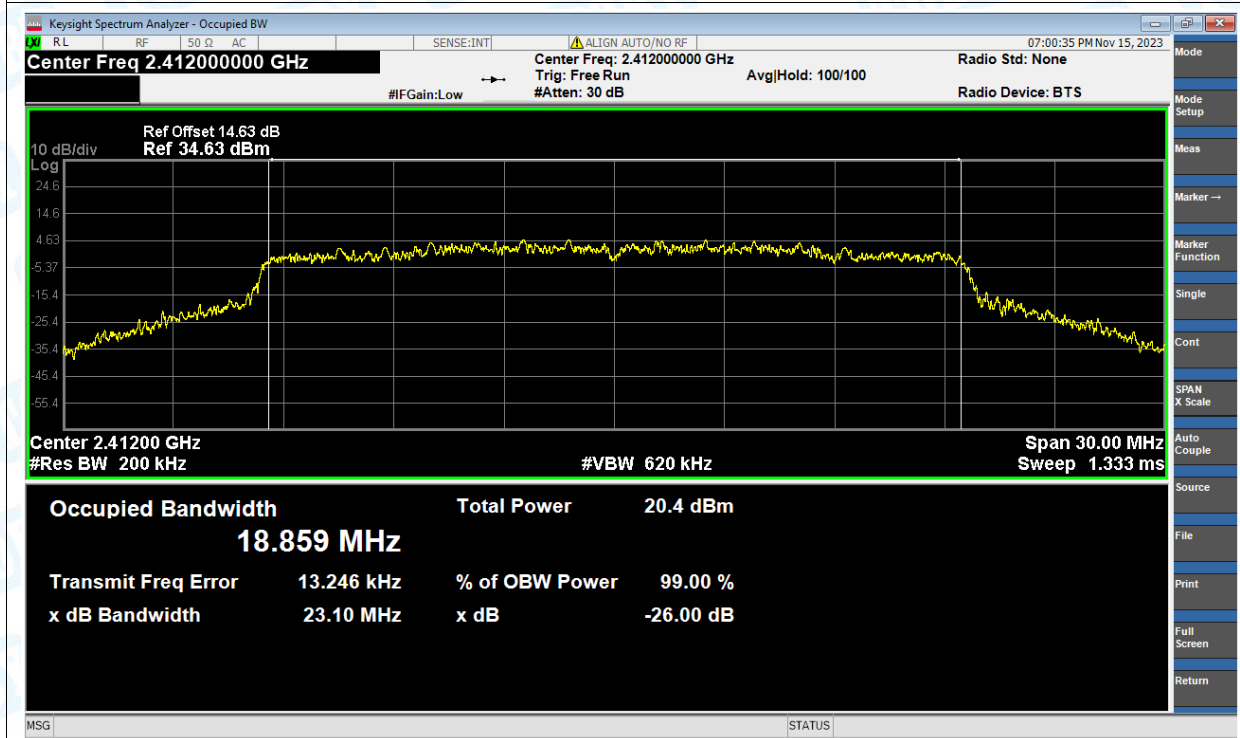
| Condition | Mode      | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-----------|-----------------|---------|---------------|
| NVNT      | ax(VHT20) | 2412            | Ant1    | 18.868        |
| NVNT      | ax(VHT20) | 2412            | Ant2    | 18.859        |
| NVNT      | ax(VHT20) | 2437            | Ant1    | 18.84         |
| NVNT      | ax(VHT20) | 2437            | Ant2    | 18.83         |
| NVNT      | ax(VHT20) | 2462            | Ant1    | 18.887        |
| NVNT      | ax(VHT20) | 2462            | Ant2    | 18.935        |
| NVNT      | ax(VHT40) | 2422            | Ant1    | 35.98         |
| NVNT      | ax(VHT40) | 2422            | Ant2    | 35.91         |
| NVNT      | ax(VHT40) | 2437            | Ant1    | 35.931        |
| NVNT      | ax(VHT40) | 2437            | Ant2    | 35.906        |
| NVNT      | ax(VHT40) | 2452            | Ant1    | 35.977        |
| NVNT      | ax(VHT40) | 2452            | Ant2    | 35.94         |
| NVNT      | b         | 2412            | Ant1    | 13.507        |
| NVNT      | b         | 2412            | Ant2    | 13.488        |
| NVNT      | b         | 2437            | Ant1    | 13.509        |
| NVNT      | b         | 2437            | Ant2    | 13.512        |
| NVNT      | b         | 2462            | Ant1    | 13.471        |
| NVNT      | b         | 2462            | Ant2    | 13.494        |
| NVNT      | g         | 2412            | Ant1    | 16.741        |
| NVNT      | g         | 2412            | Ant2    | 16.675        |
| NVNT      | g         | 2437            | Ant1    | 16.686        |
| NVNT      | g         | 2437            | Ant2    | 16.669        |
| NVNT      | g         | 2462            | Ant1    | 16.687        |
| NVNT      | g         | 2462            | Ant2    | 16.643        |
| NVNT      | n(HT20)   | 2412            | Ant1    | 23.137        |
| NVNT      | n(HT20)   | 2412            | Ant2    | 17.63         |
| NVNT      | n(HT20)   | 2437            | Ant1    | 17.628        |
| NVNT      | n(HT20)   | 2437            | Ant2    | 17.664        |
| NVNT      | n(HT20)   | 2462            | Ant1    | 17.648        |
| NVNT      | n(HT20)   | 2462            | Ant2    | 17.647        |
| NVNT      | n(HT40)   | 2422            | Ant1    | 35.919        |
| NVNT      | n(HT40)   | 2422            | Ant2    | 35.931        |
| NVNT      | n(HT40)   | 2437            | Ant1    | 35.955        |
| NVNT      | n(HT40)   | 2437            | Ant2    | 35.891        |
| NVNT      | n(HT40)   | 2452            | Ant1    | 35.962        |
| NVNT      | n(HT40)   | 2452            | Ant2    | 35.906        |

### Test Graphs

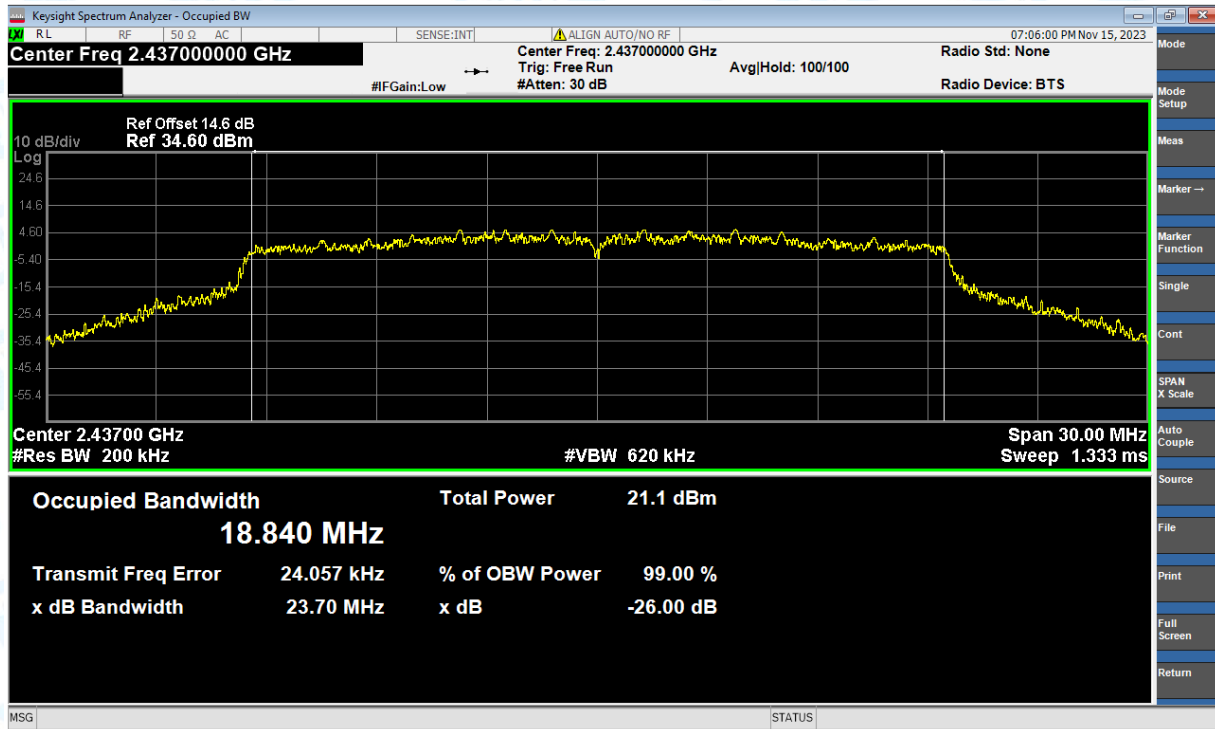
#### OBW NVNT ax(VHT20) 2412MHz Ant1



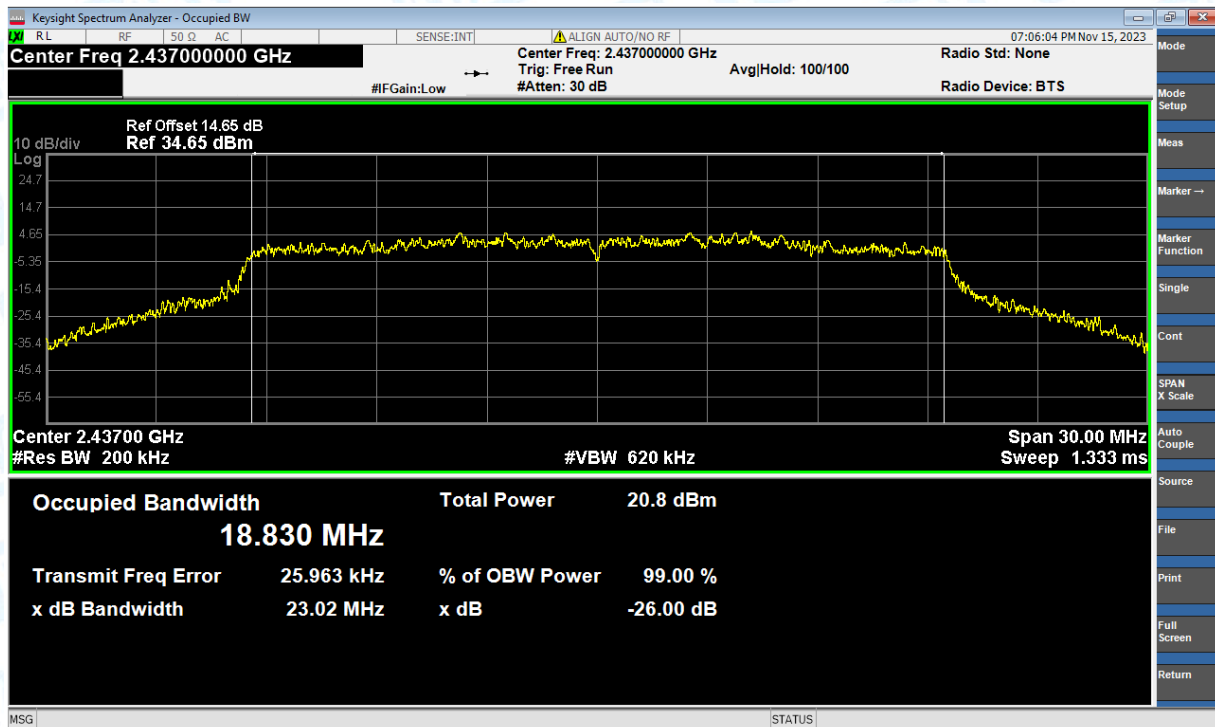
#### OBW NVNT ax(VHT20) 2412MHz Ant2



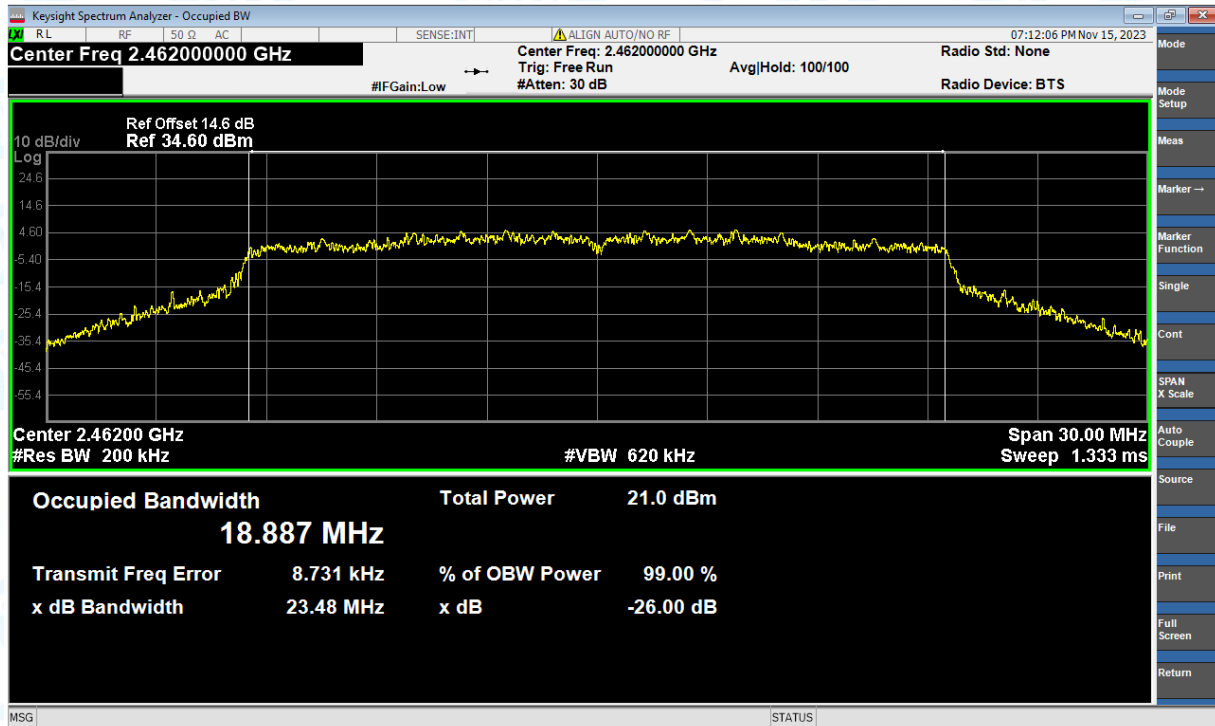
OBW NVNT ax(VHT20) 2437MHz Ant1



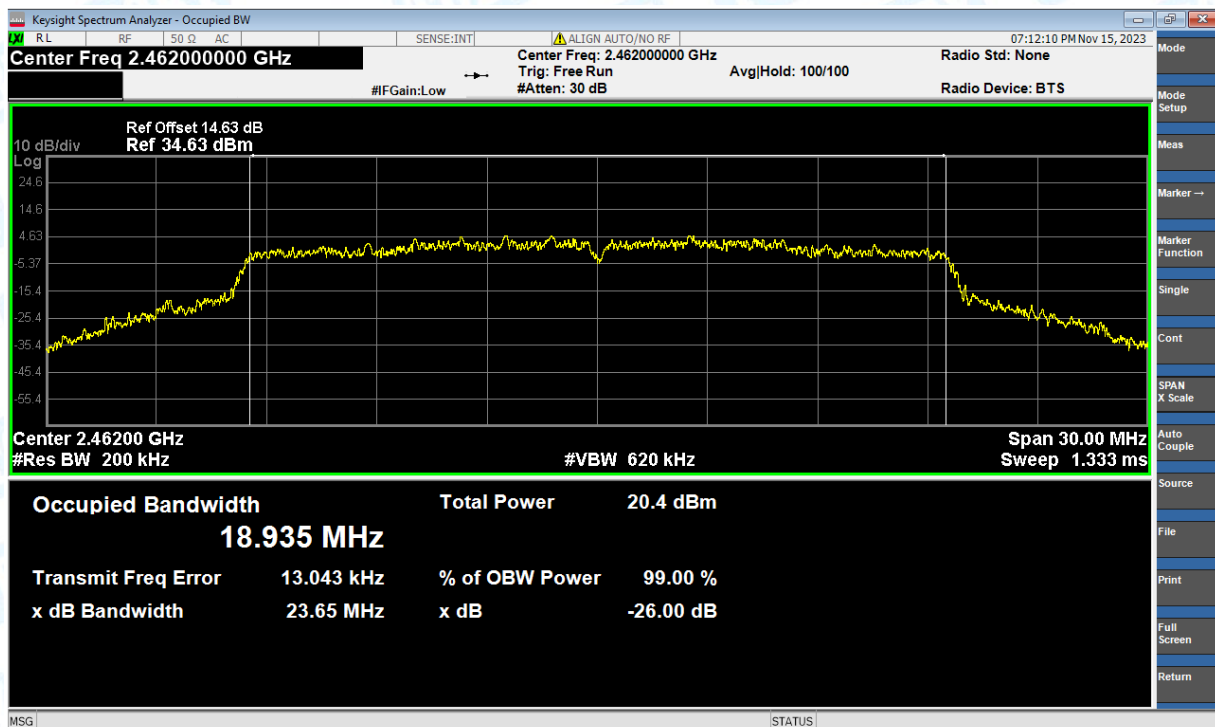
OBW NVNT ax(VHT20) 2437MHz Ant2



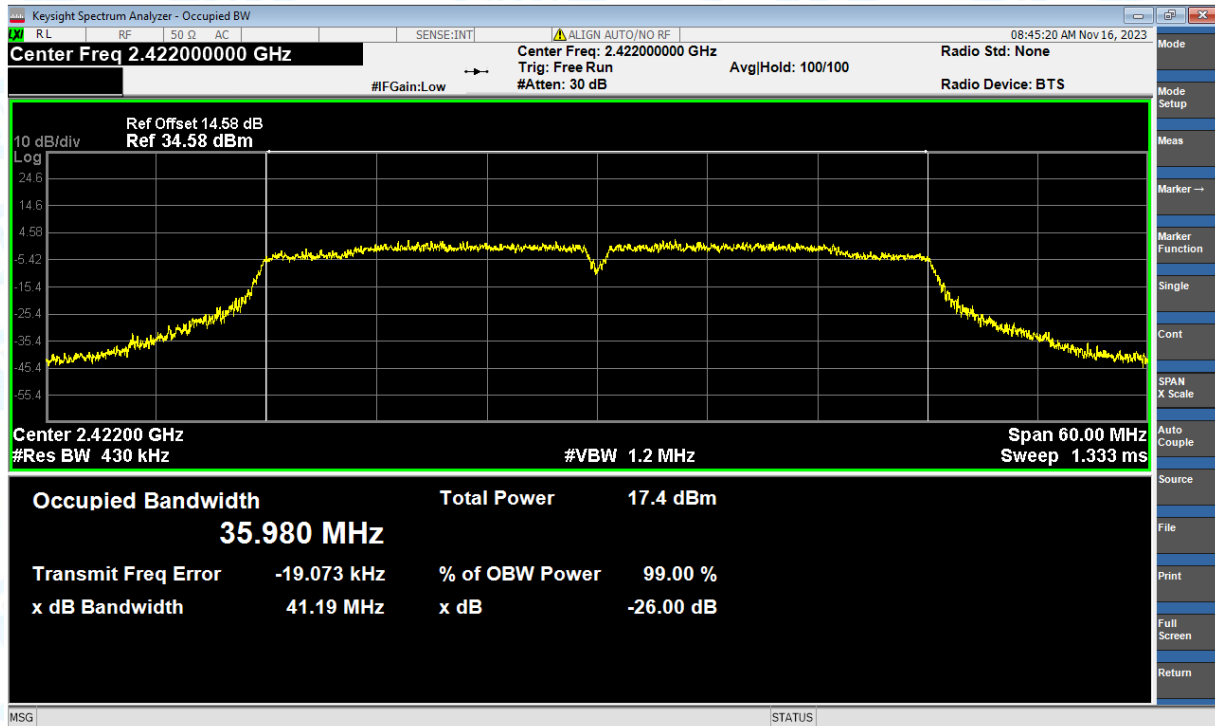
OBW NVNT ax(VHT20) 2462MHz Ant1



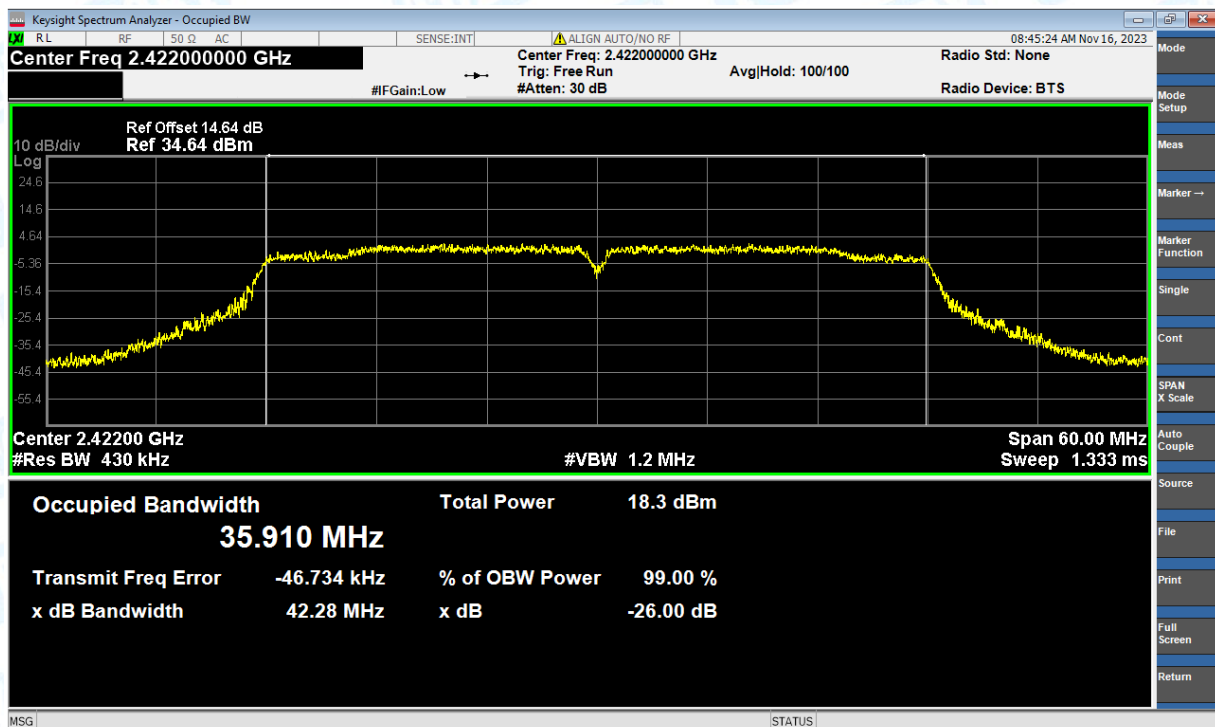
OBW NVNT ax(VHT20) 2462MHz Ant2



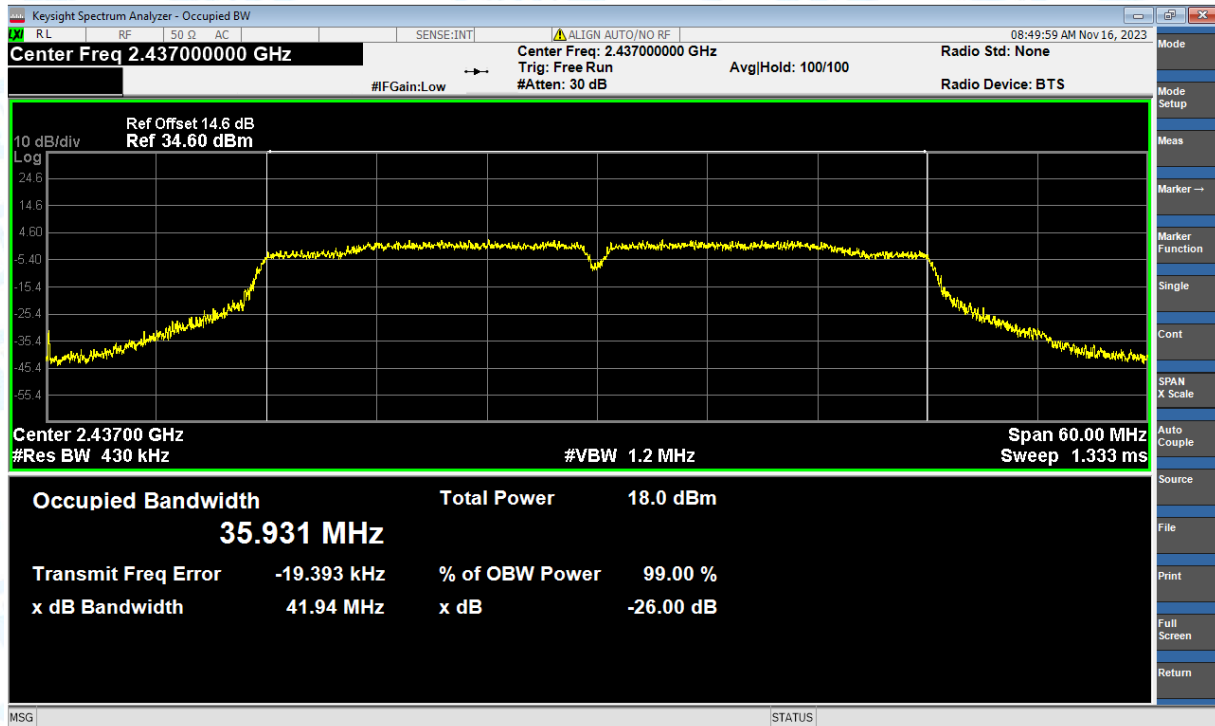
OBW NVNT ax(VHT40) 2422MHz Ant1



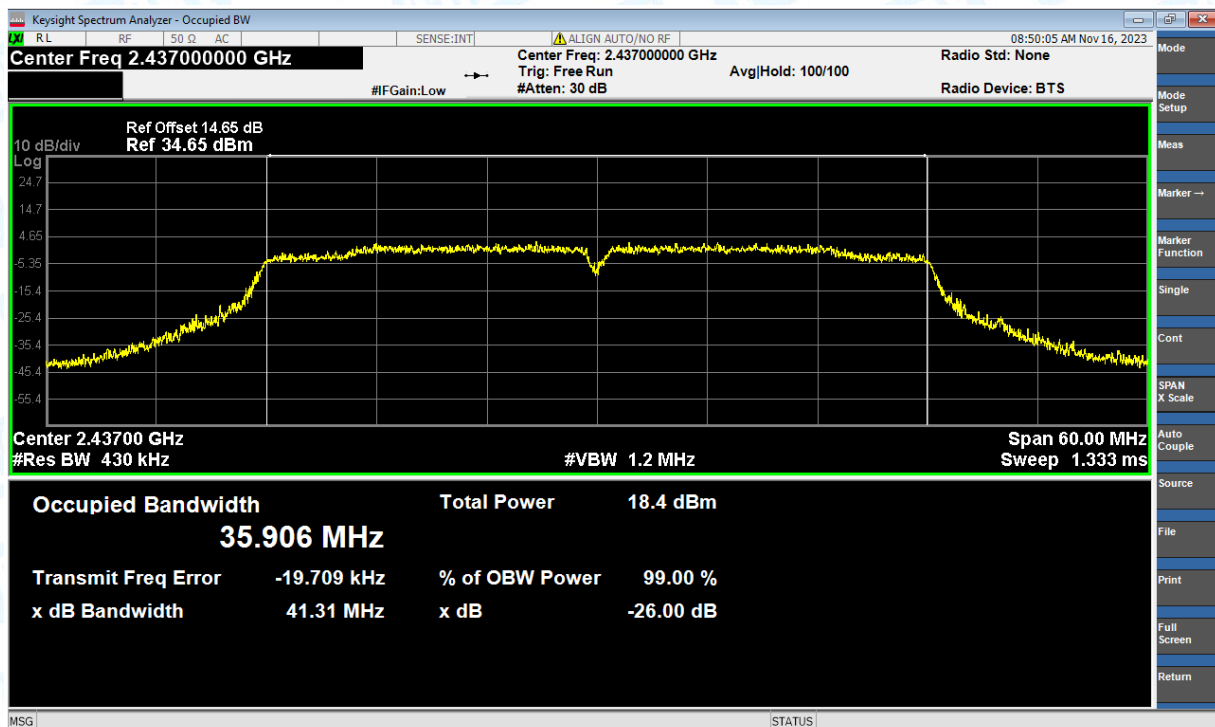
OBW NVNT ax(VHT40) 2422MHz Ant2



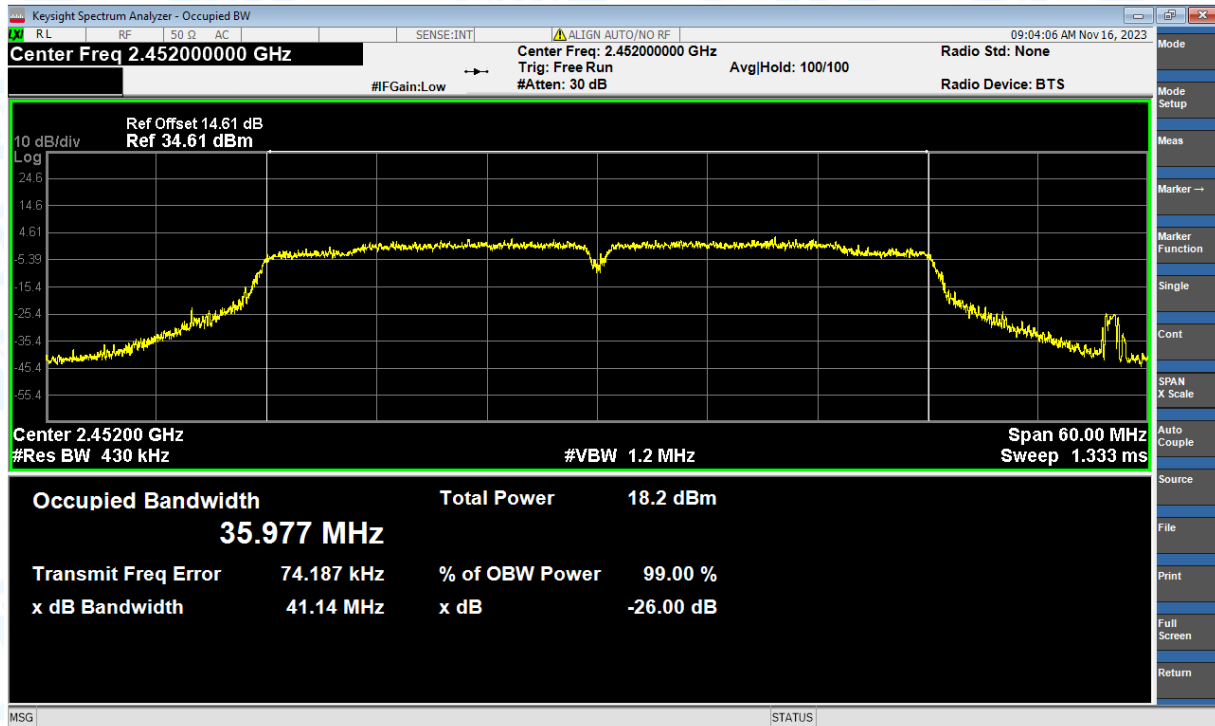
OBW NVNT ax(VHT40) 2437MHz Ant1



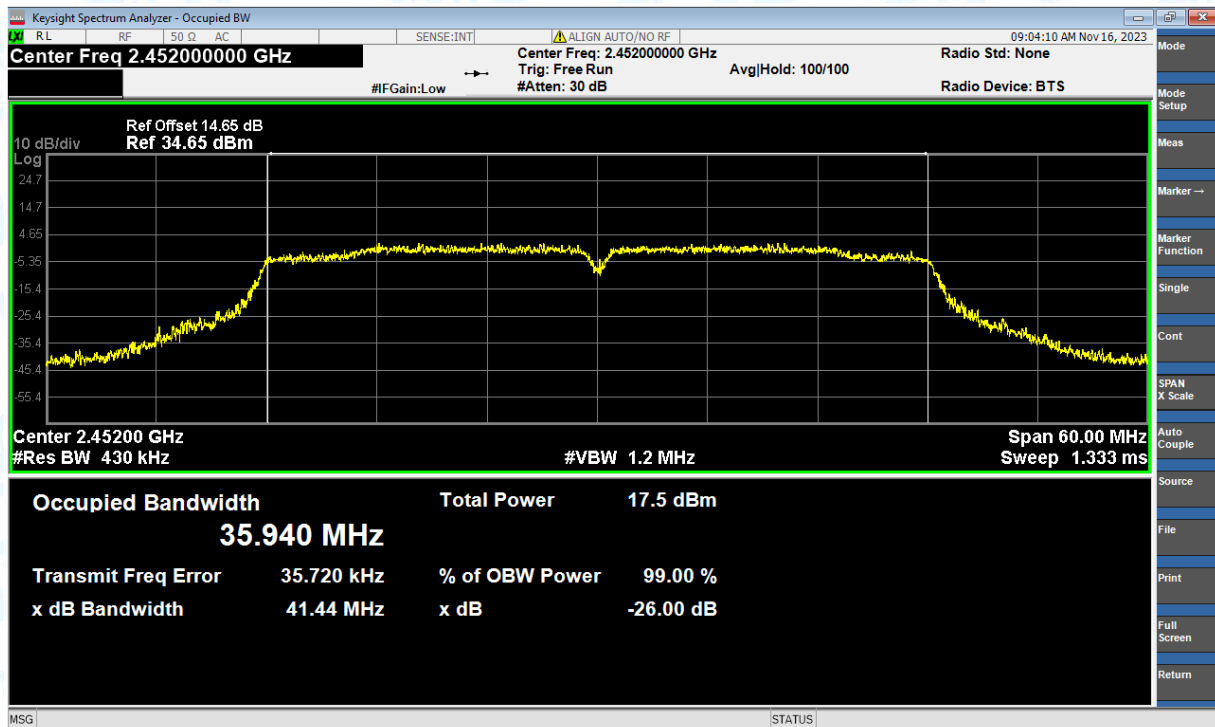
OBW NVNT ax(VHT40) 2437MHz Ant2



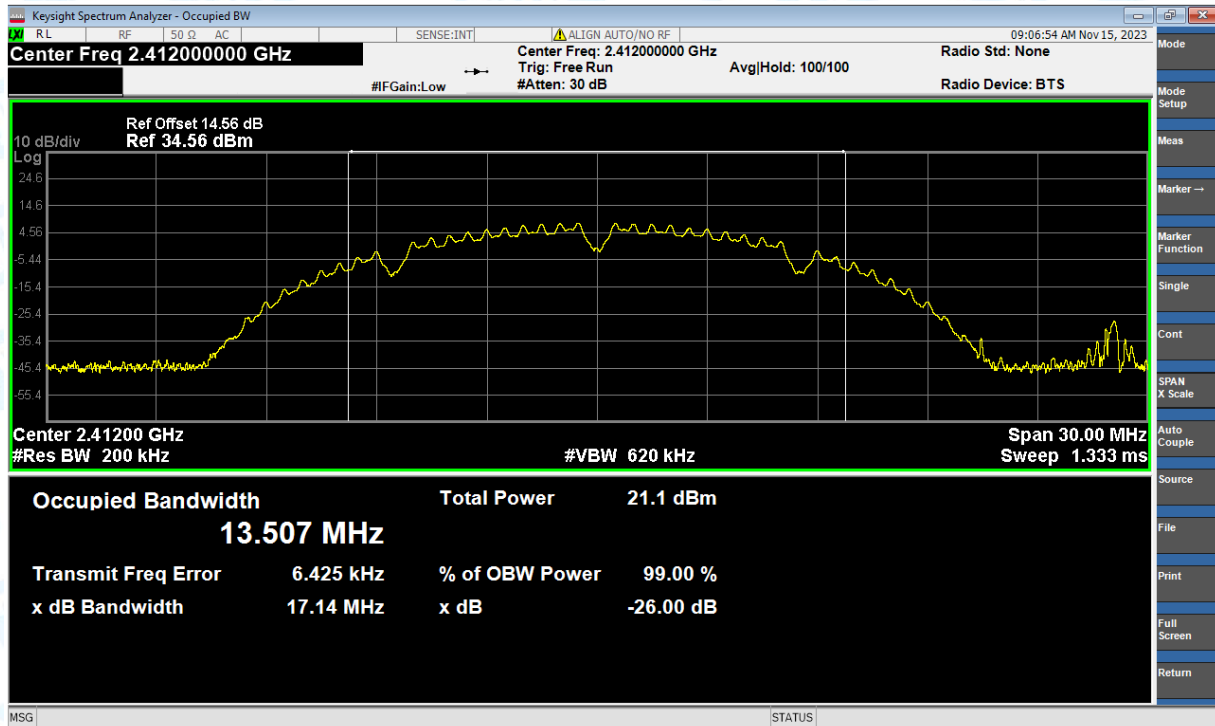
OBW NVNT ax(VHT40) 2452MHz Ant1



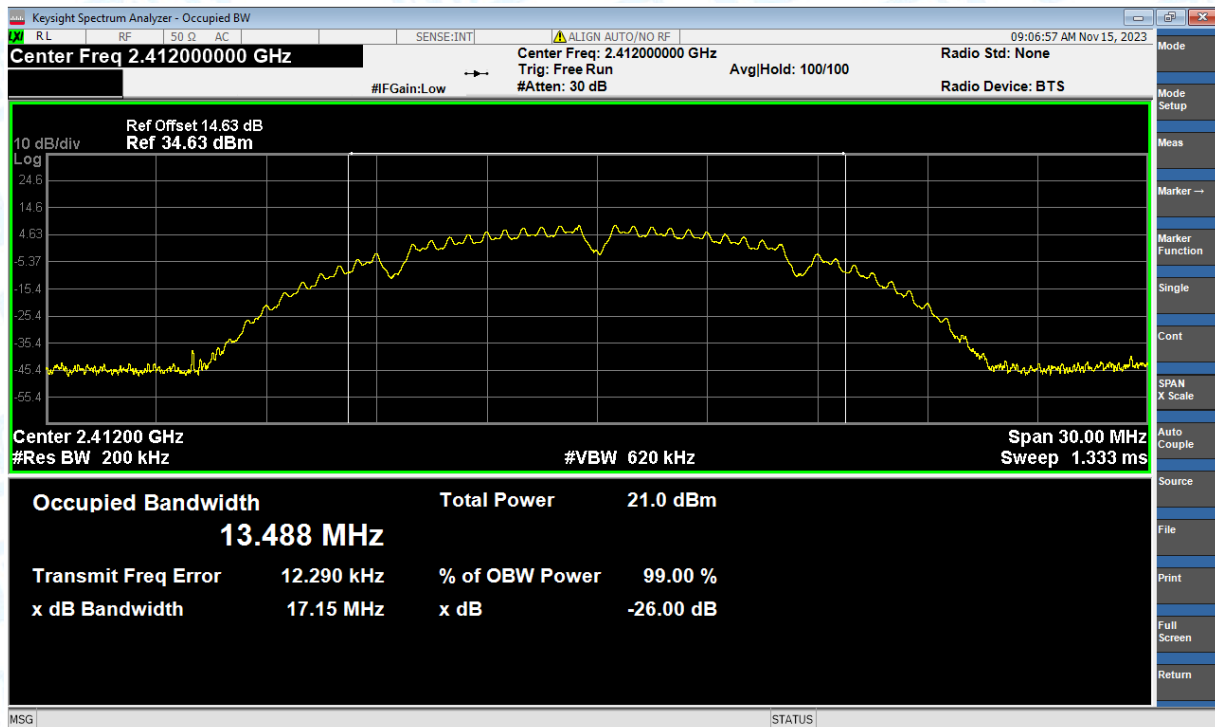
OBW NVNT ax(VHT40) 2452MHz Ant2



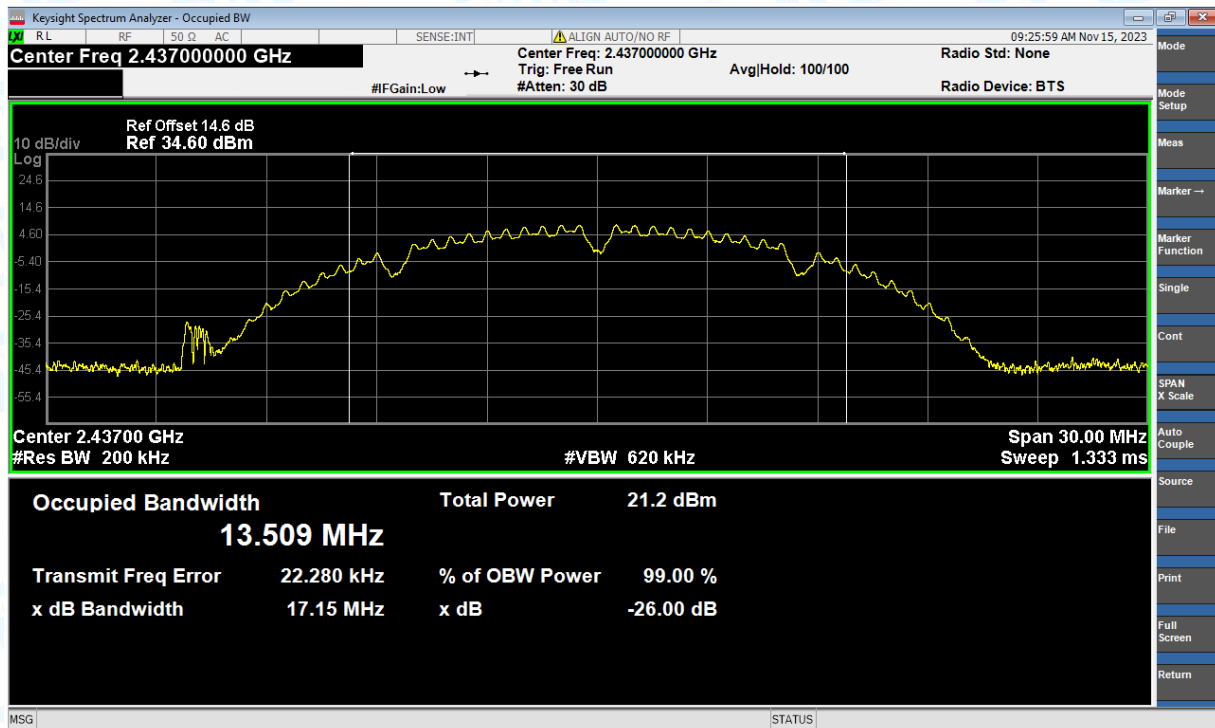
OBW NVNT b 2412MHz Ant1



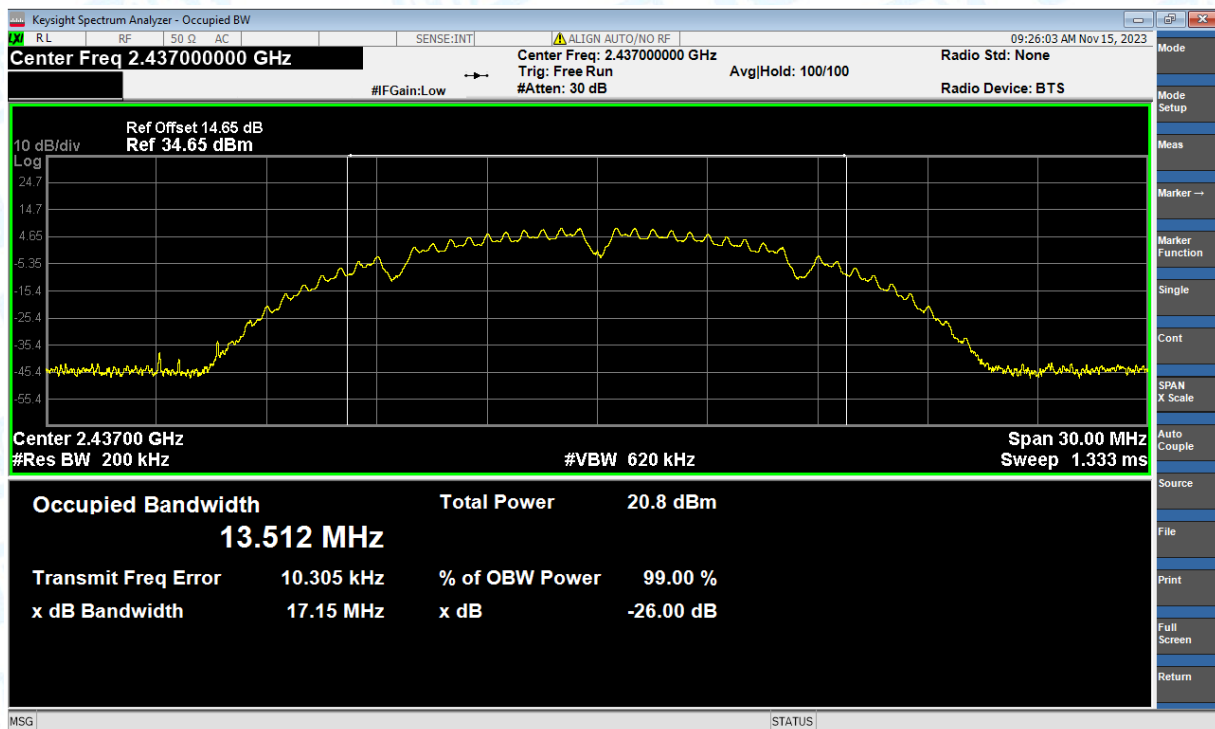
OBW NVNT b 2412MHz Ant2



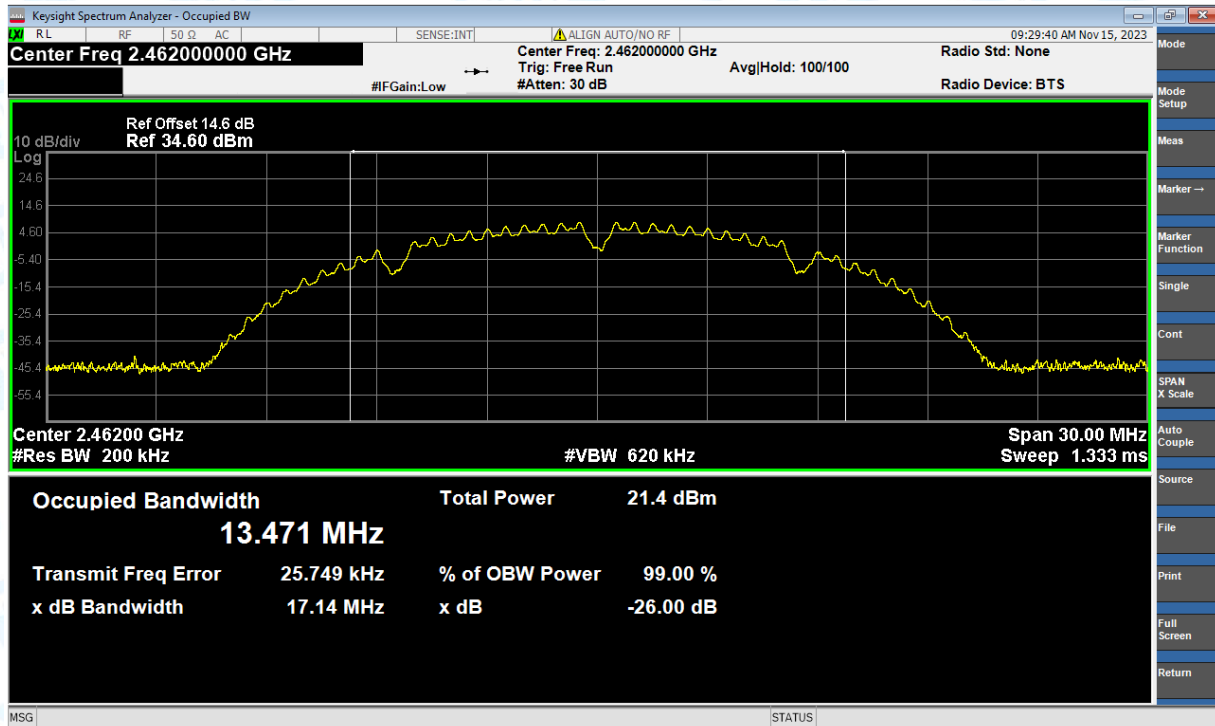
OBW NVNT b 2437MHz Ant1



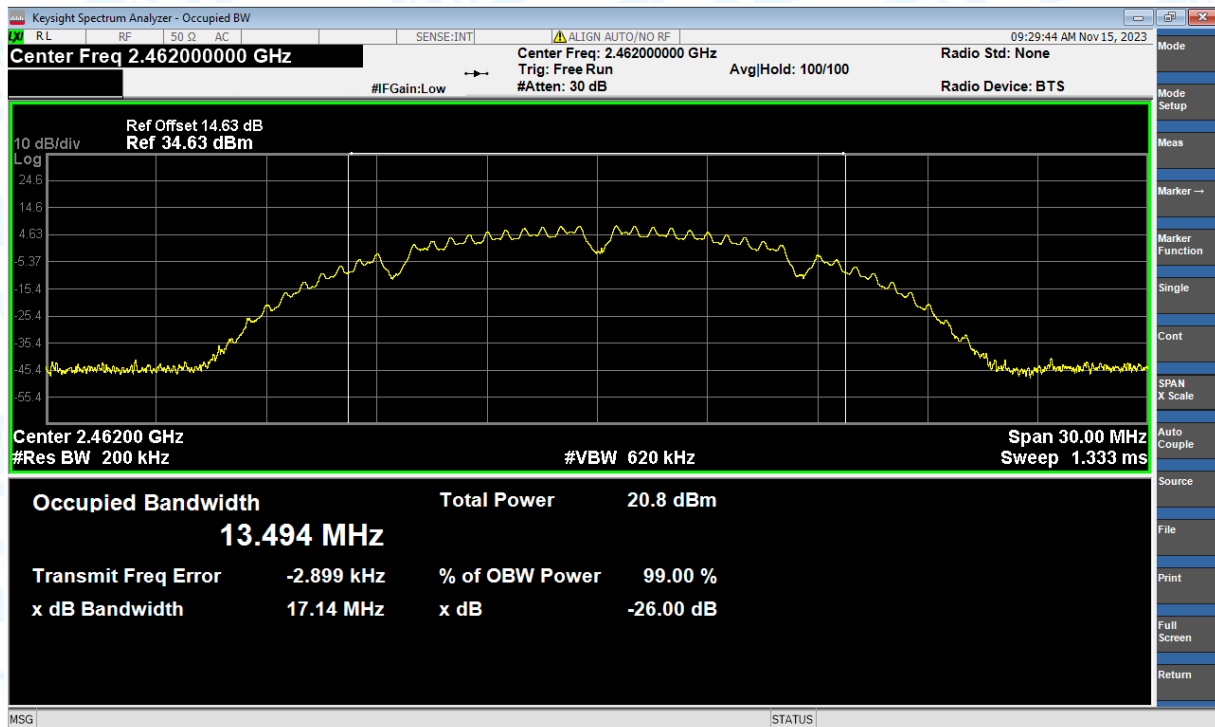
OBW NVNT b 2437MHz Ant2



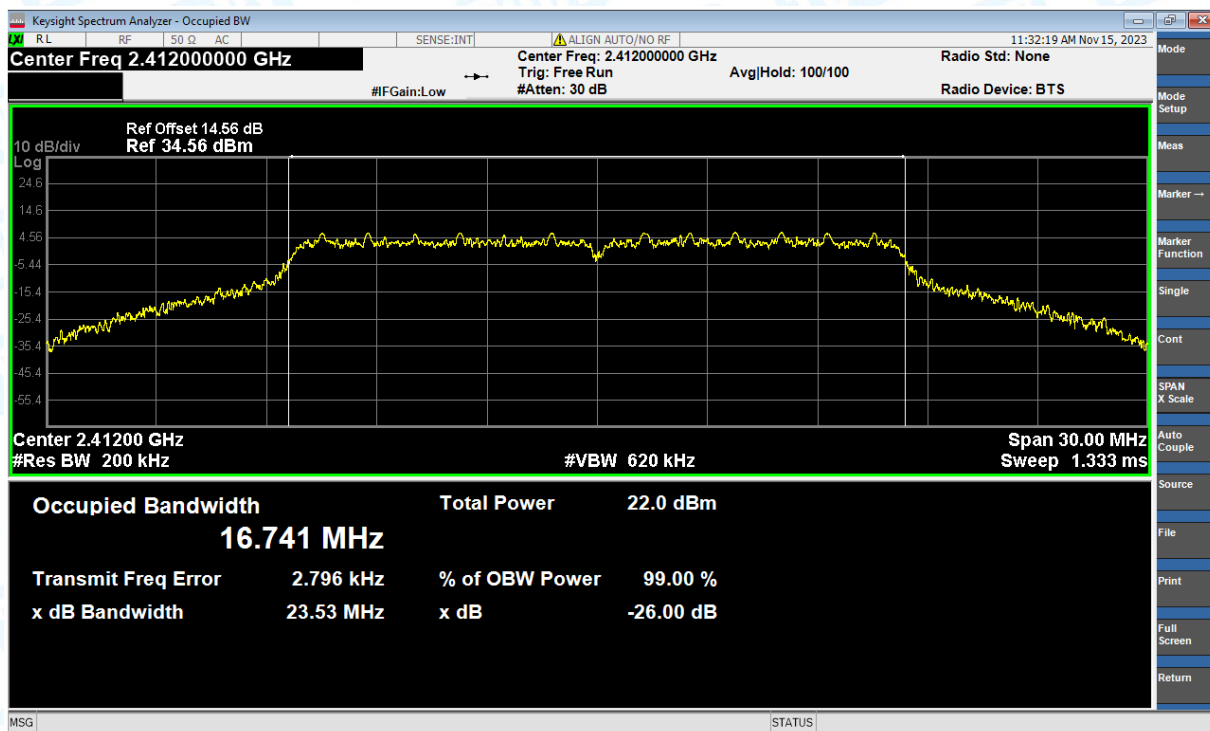
OBW NVNT b 2462MHz Ant1



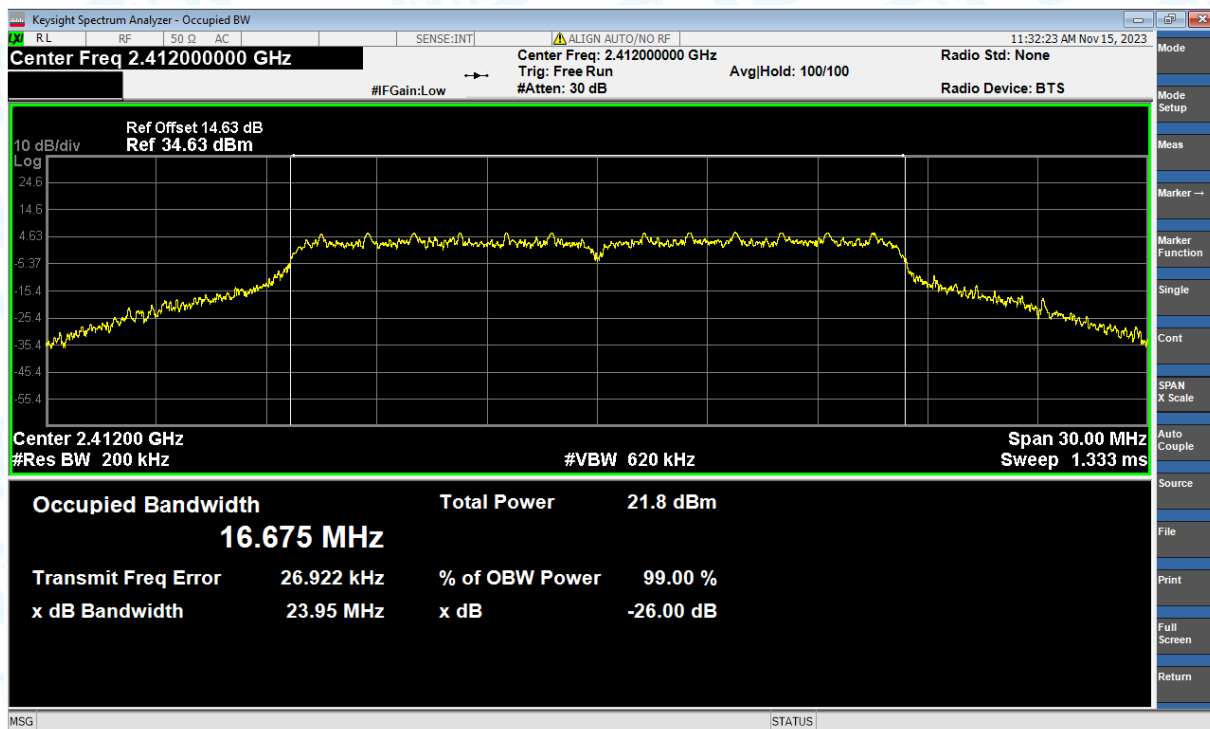
OBW NVNT b 2462MHz Ant2



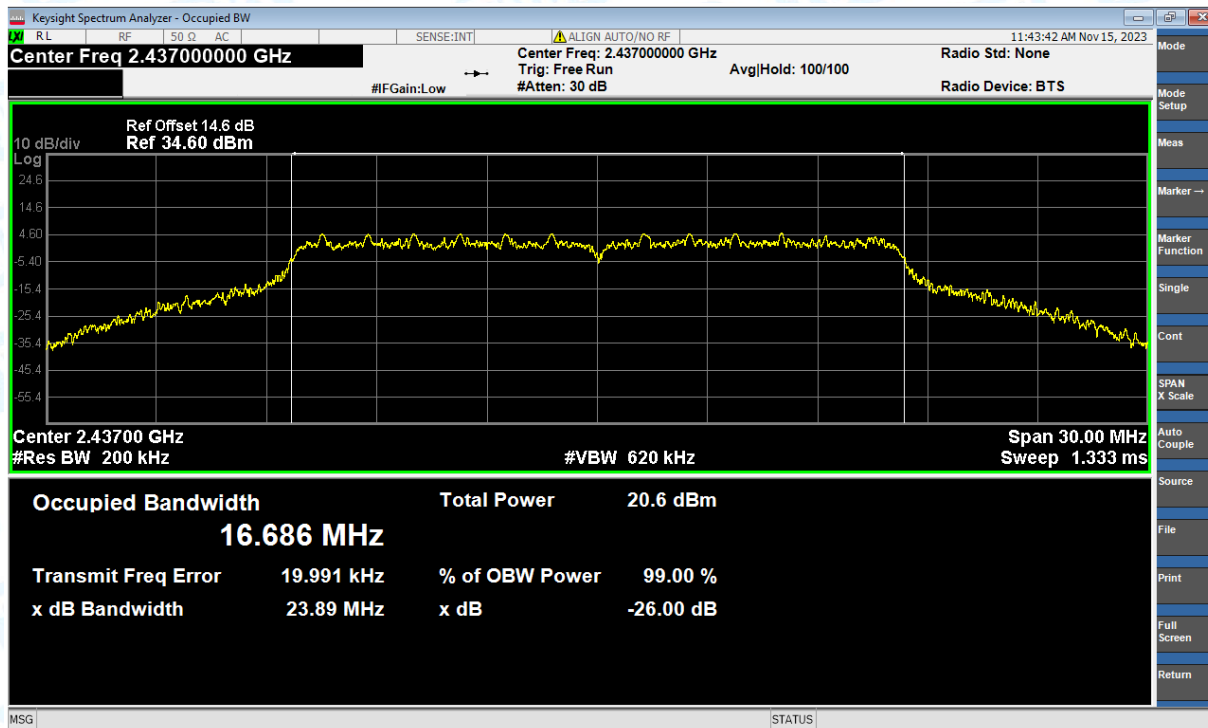
OBW NVNT g 2412MHz Ant1



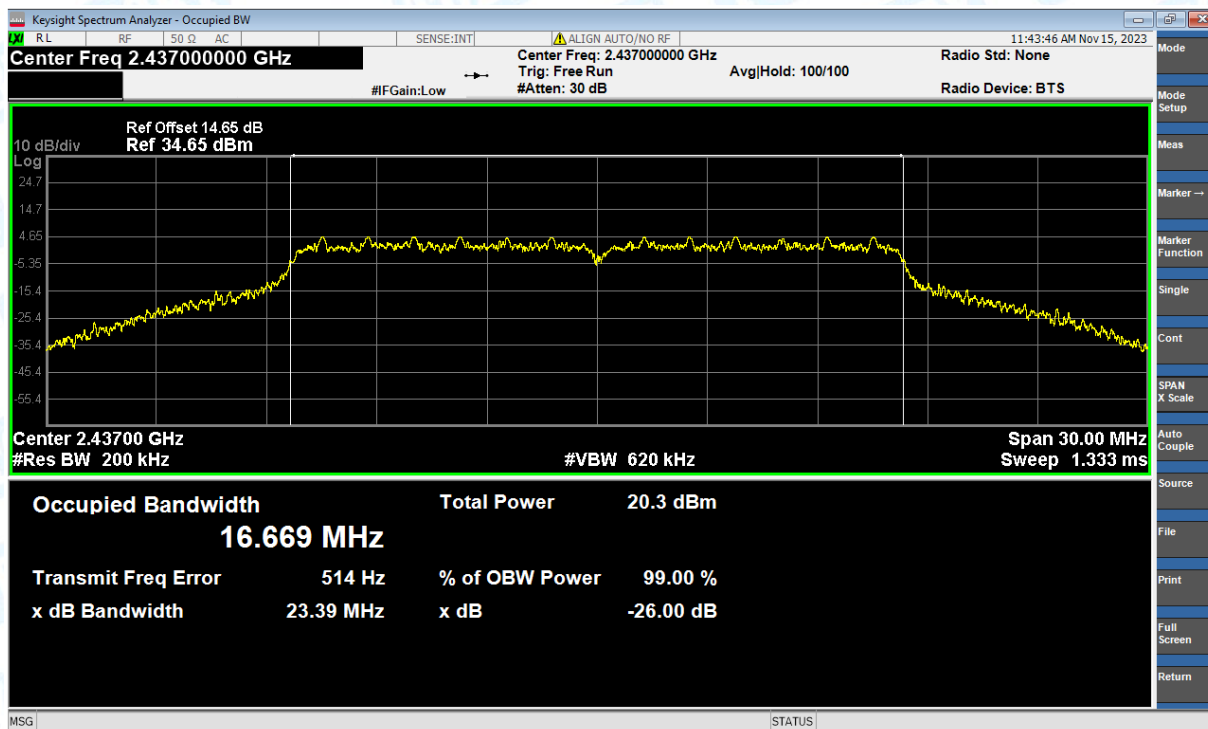
OBW NVNT g 2412MHz Ant2



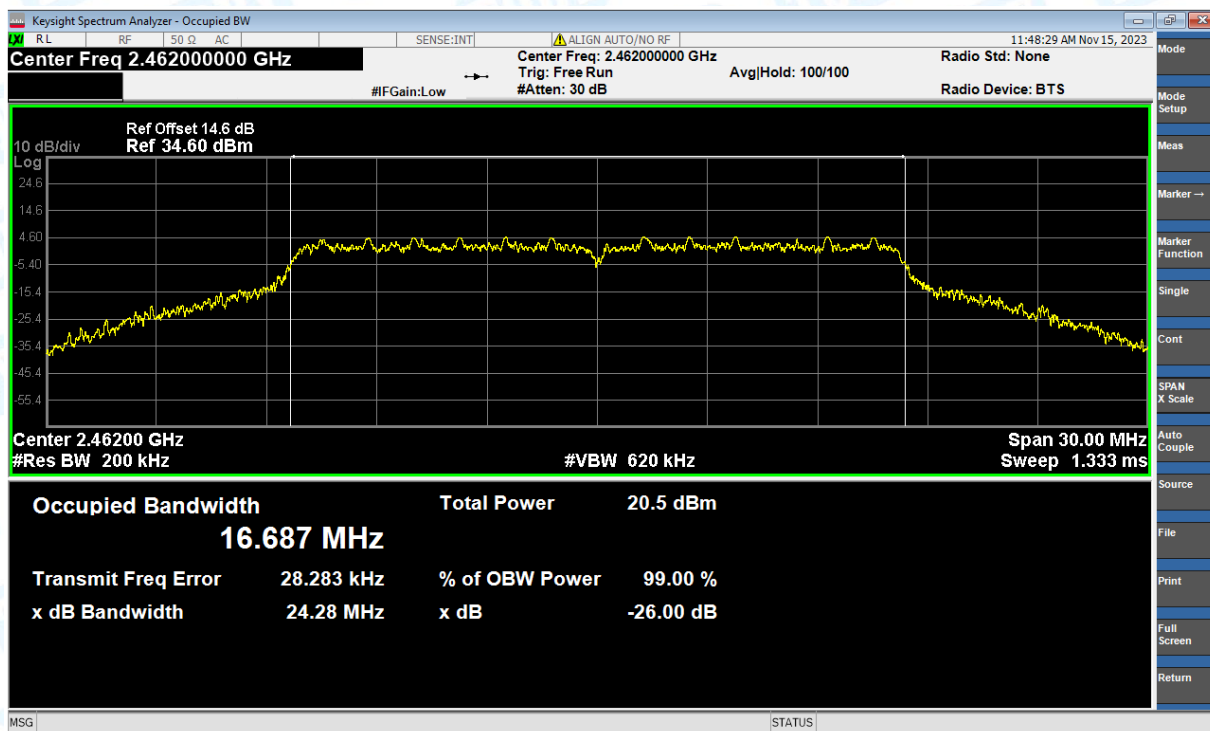
OBW NVNT g 2437MHz Ant1



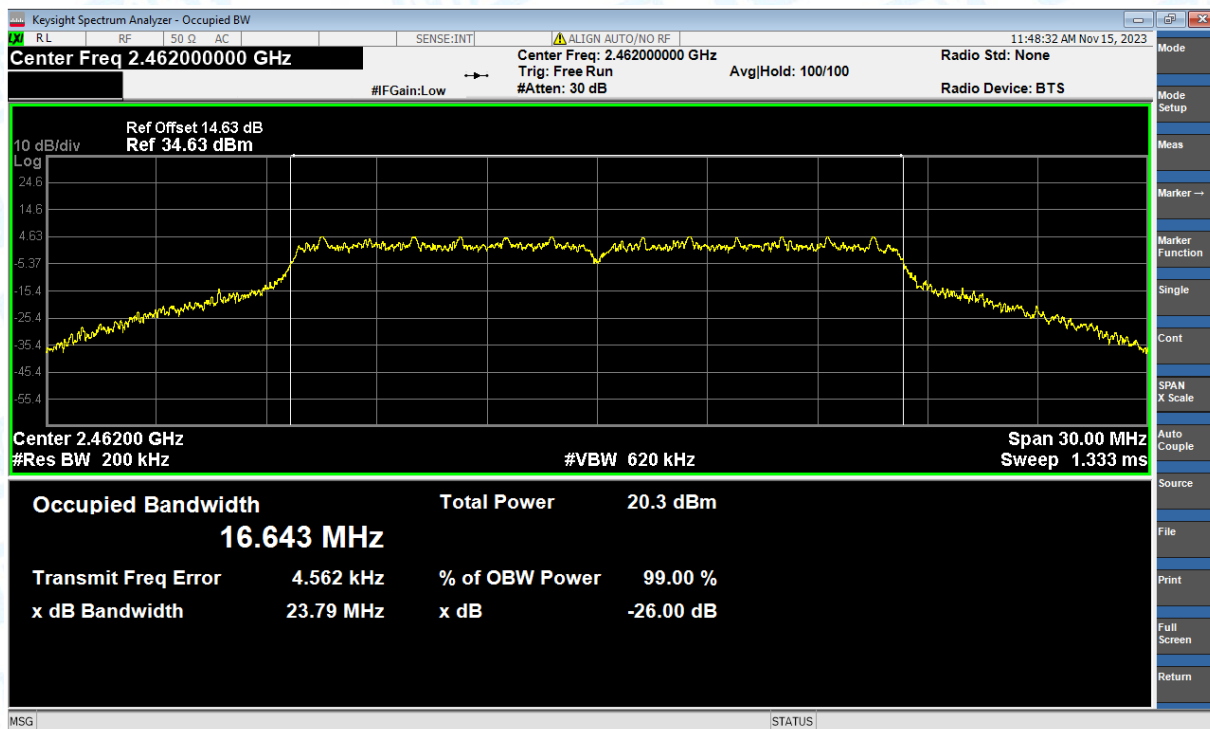
OBW NVNT g 2437MHz Ant2



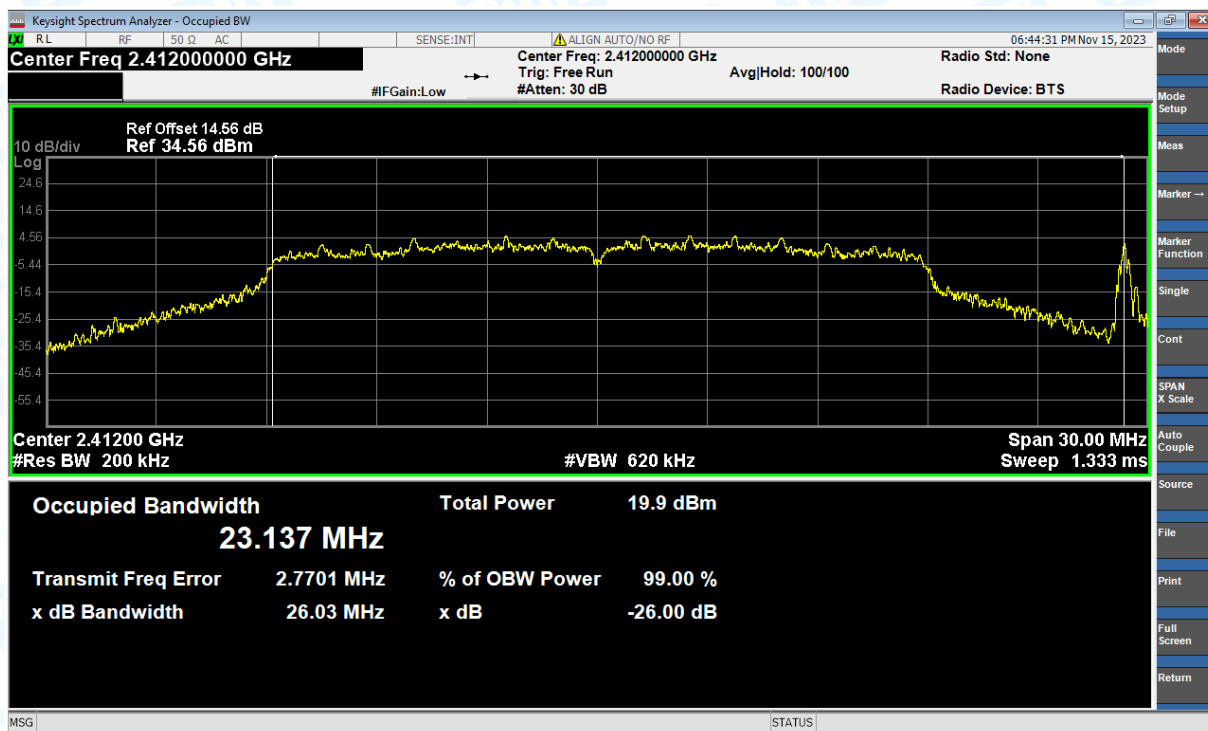
OBW NVNT g 2462MHz Ant1



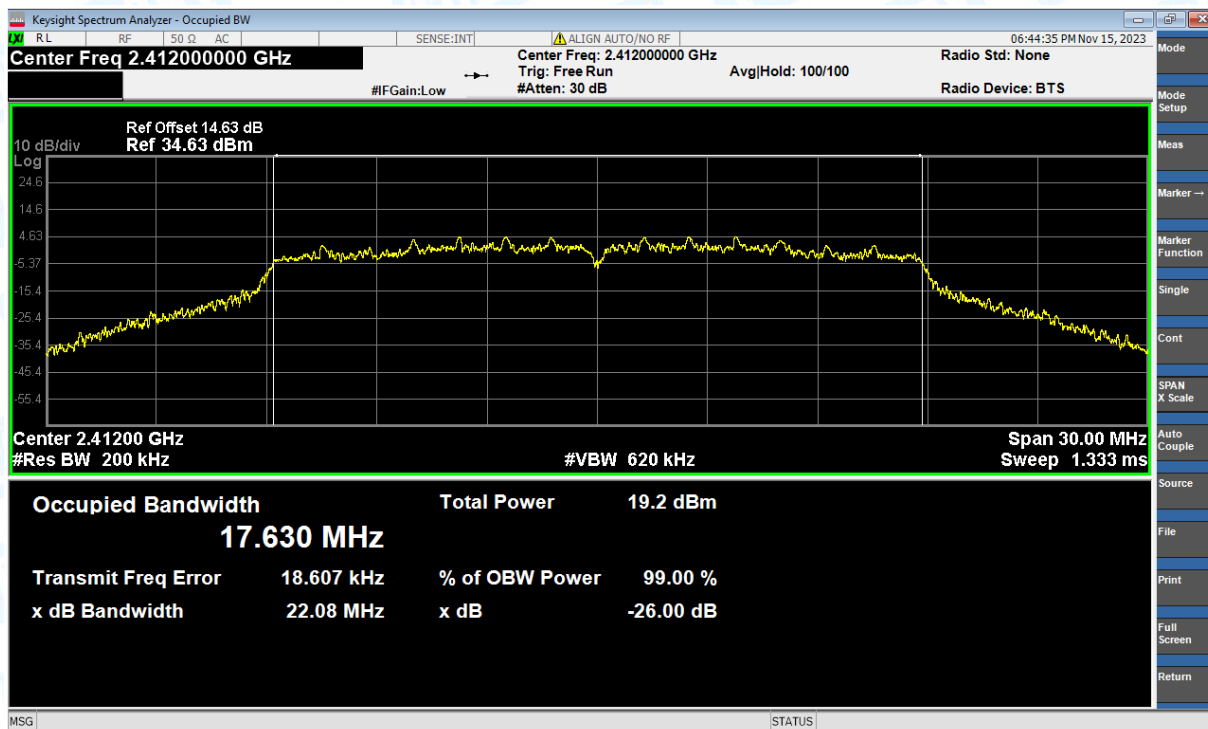
OBW NVNT g 2462MHz Ant2



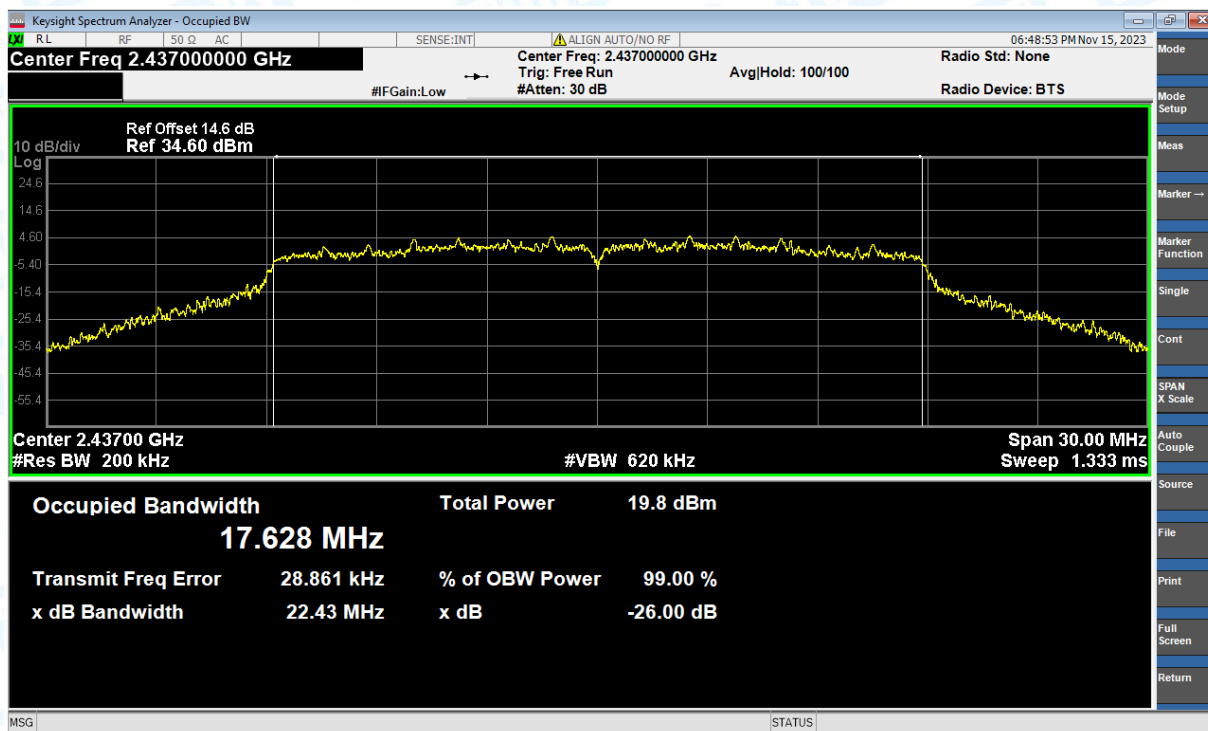
OBW NVNT n(HT20) 2412MHz Ant1



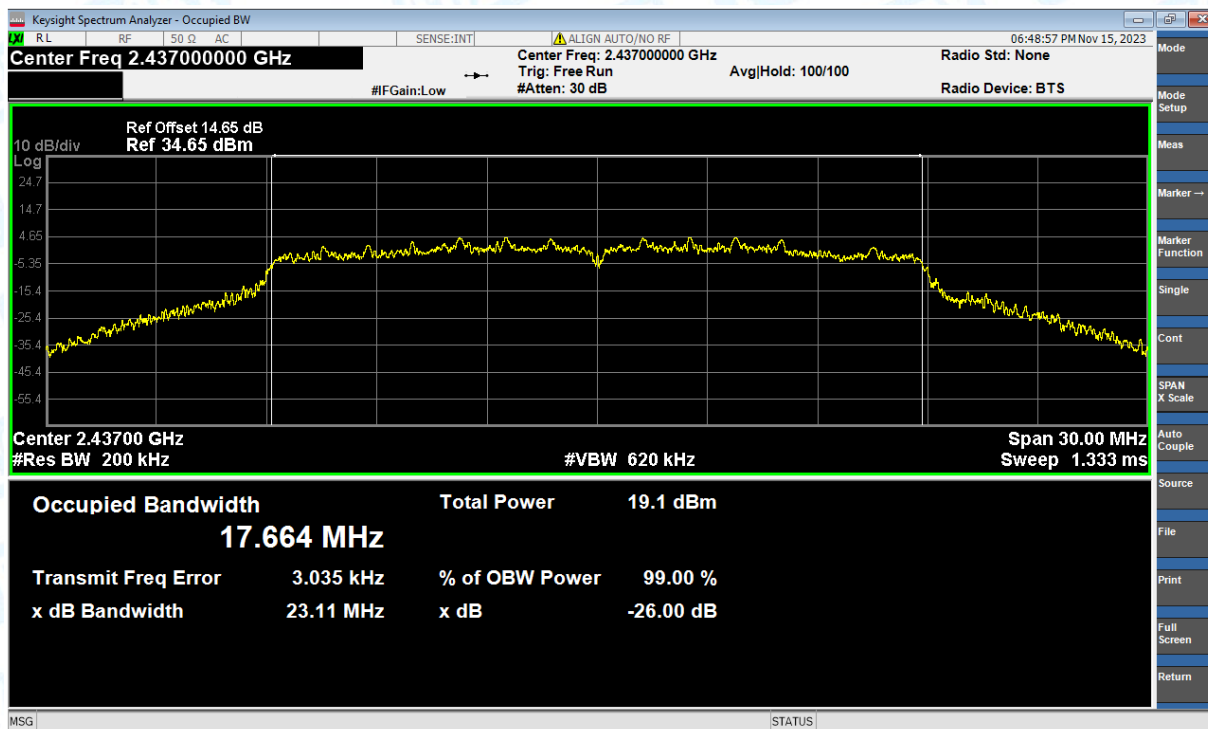
OBW NVNT n(HT20) 2412MHz Ant2



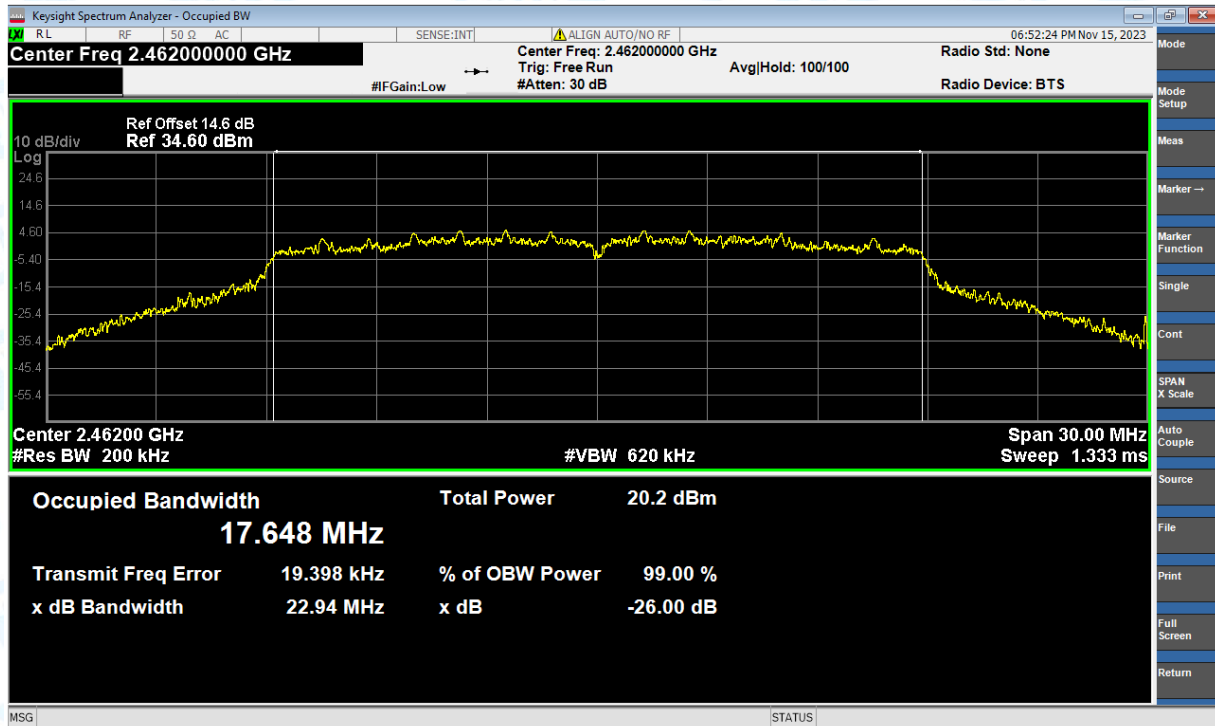
OBW NVNT n(HT20) 2437MHz Ant1



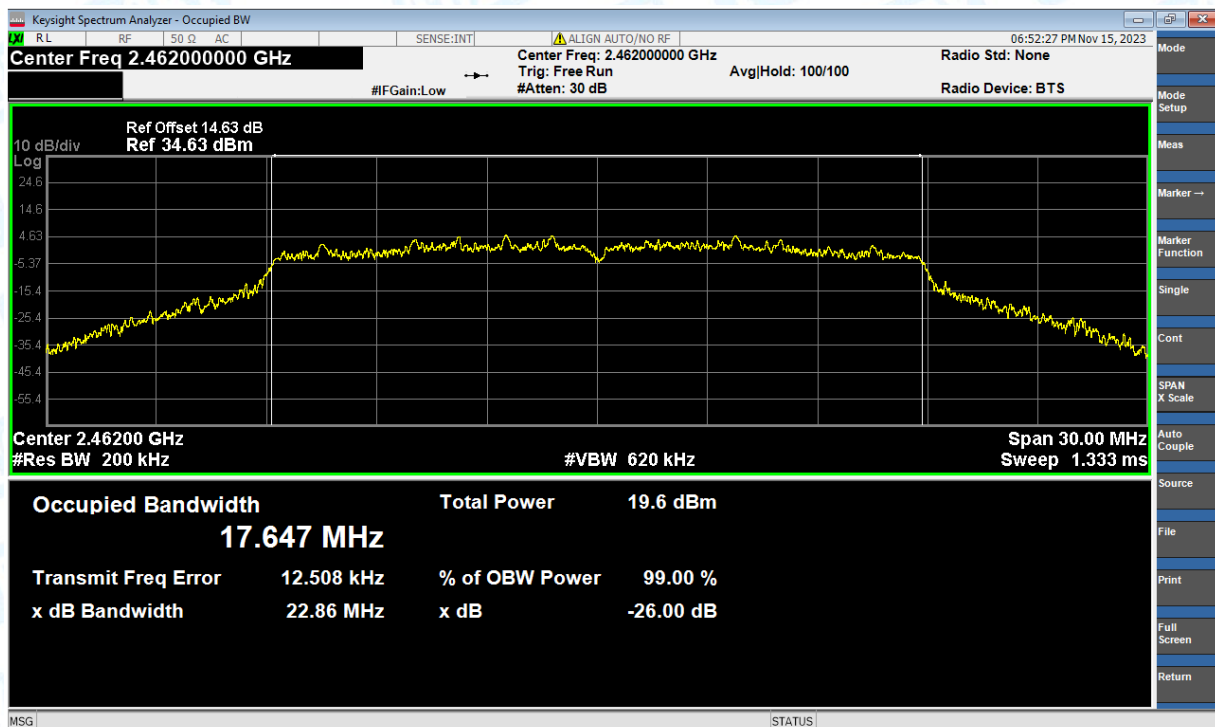
OBW NVNT n(HT20) 2437MHz Ant2



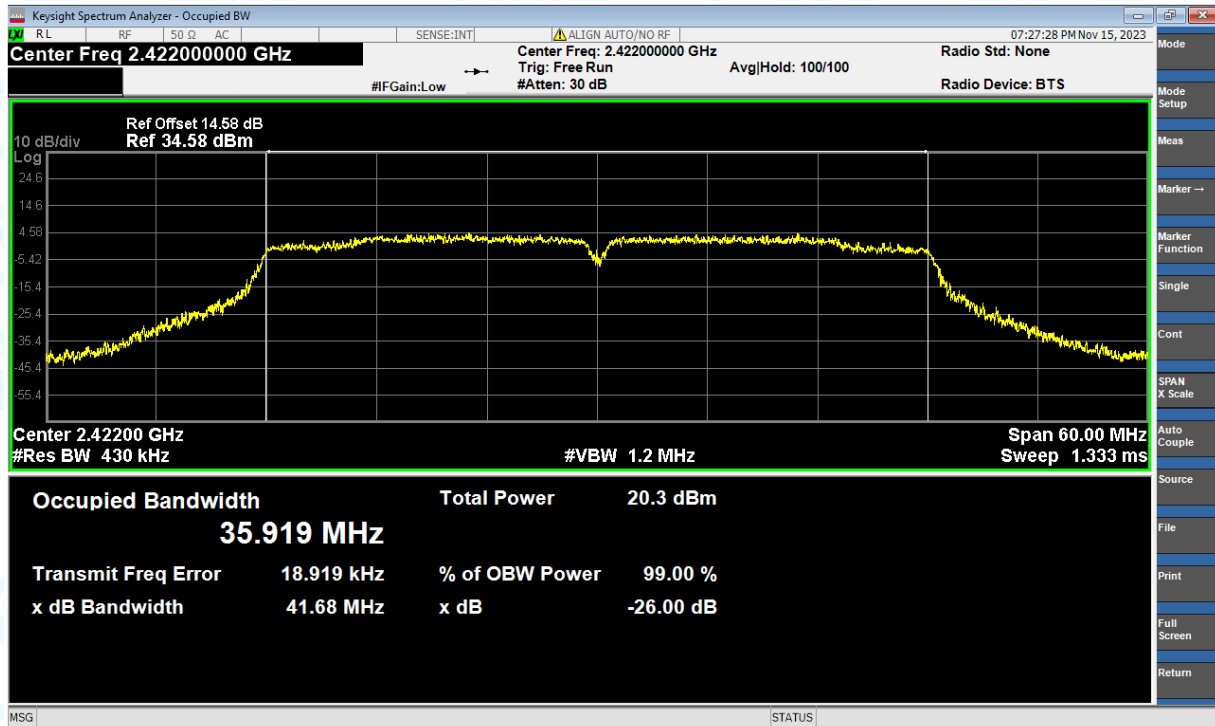
OBW NVNT n(HT20) 2462MHz Ant1



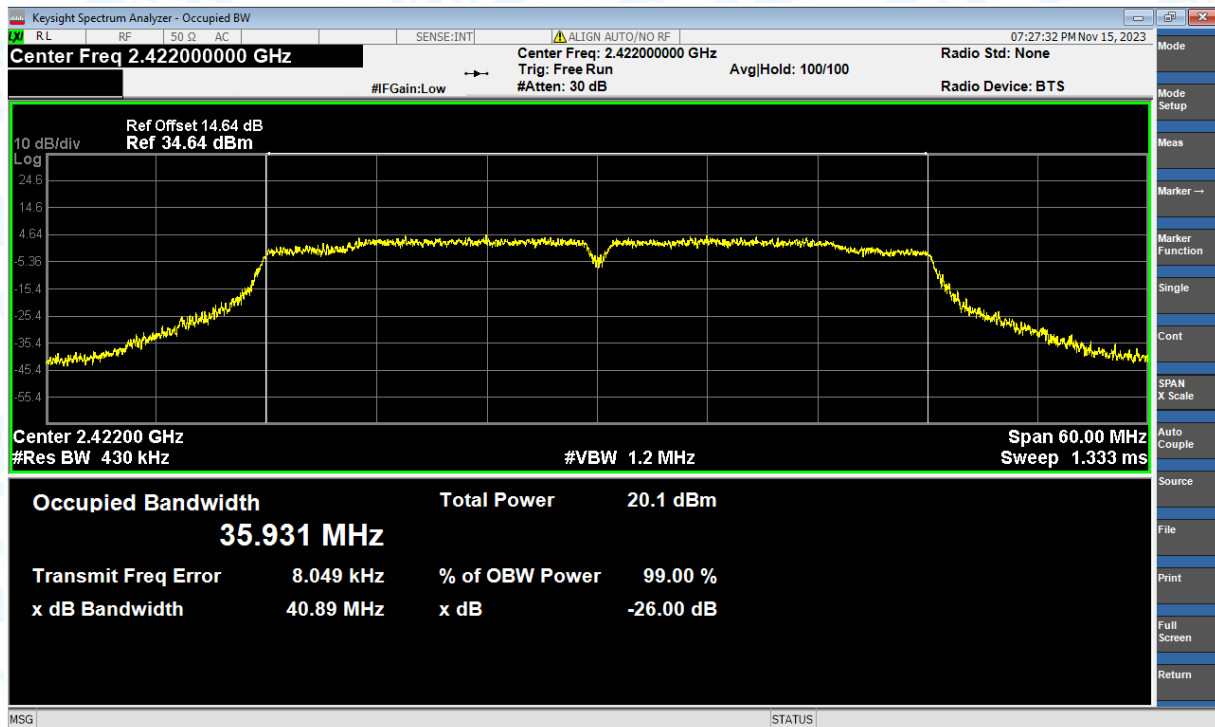
OBW NVNT n(HT20) 2462MHz Ant2



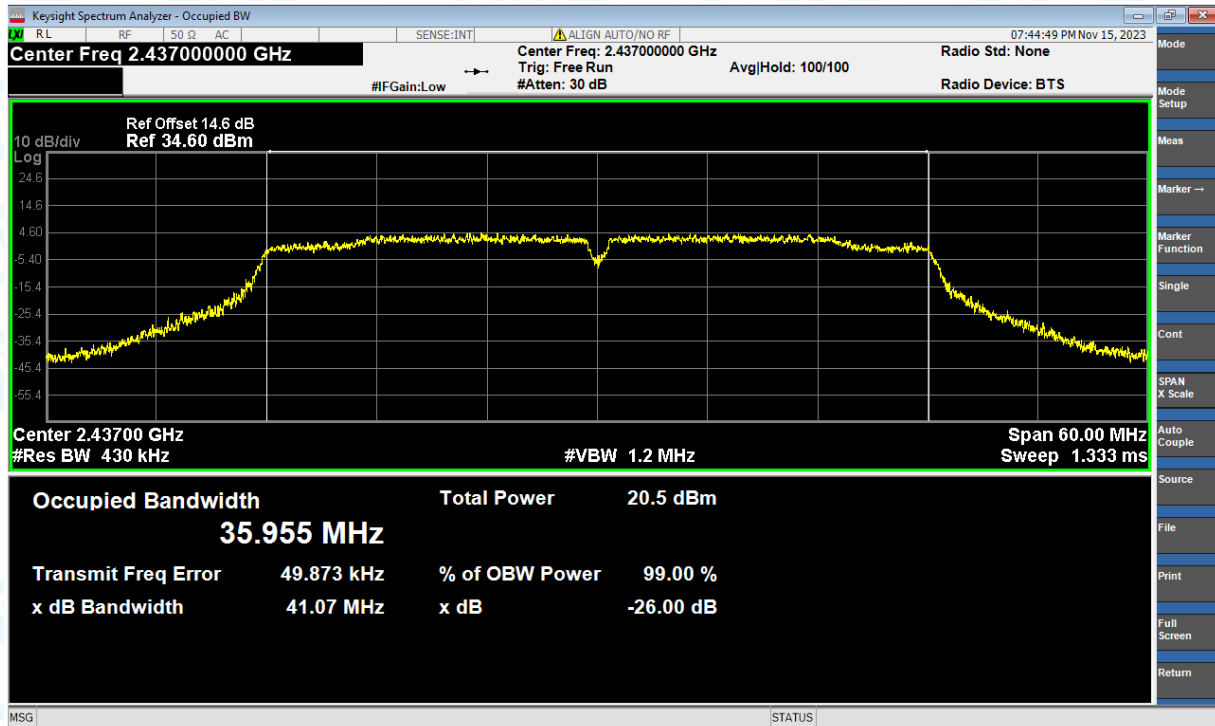
OBW NVNT n(HT40) 2422MHz Ant1



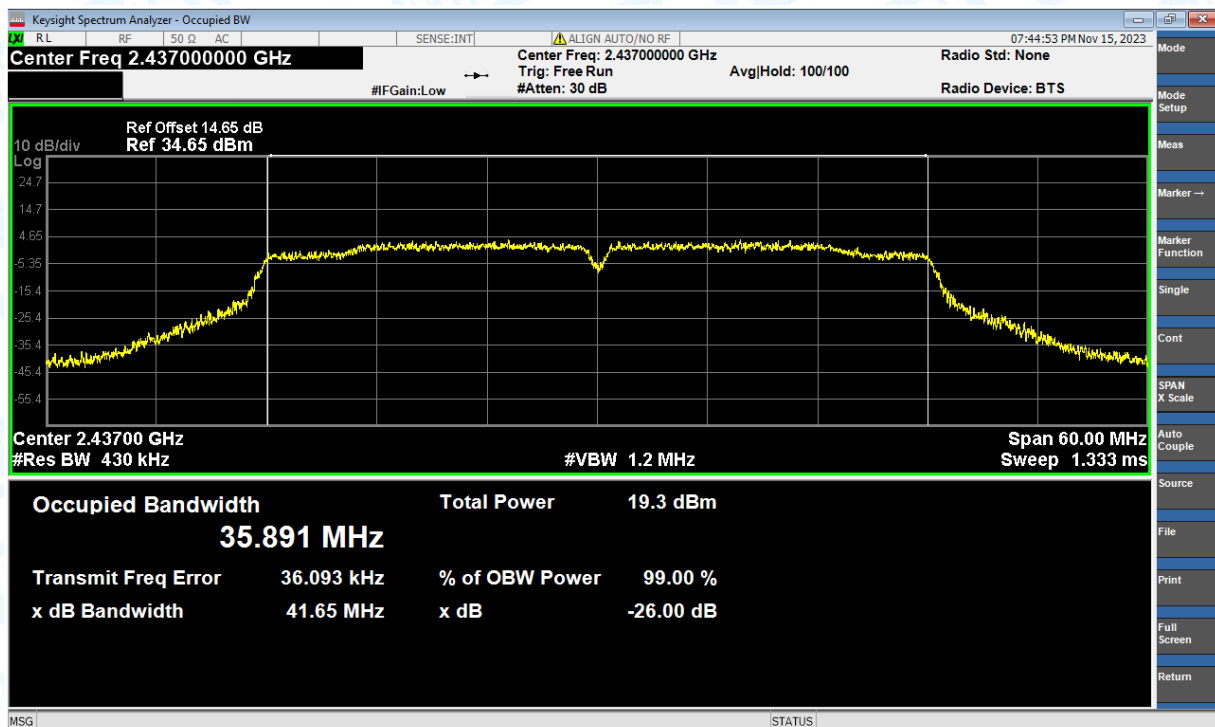
OBW NVNT n(HT40) 2422MHz Ant2



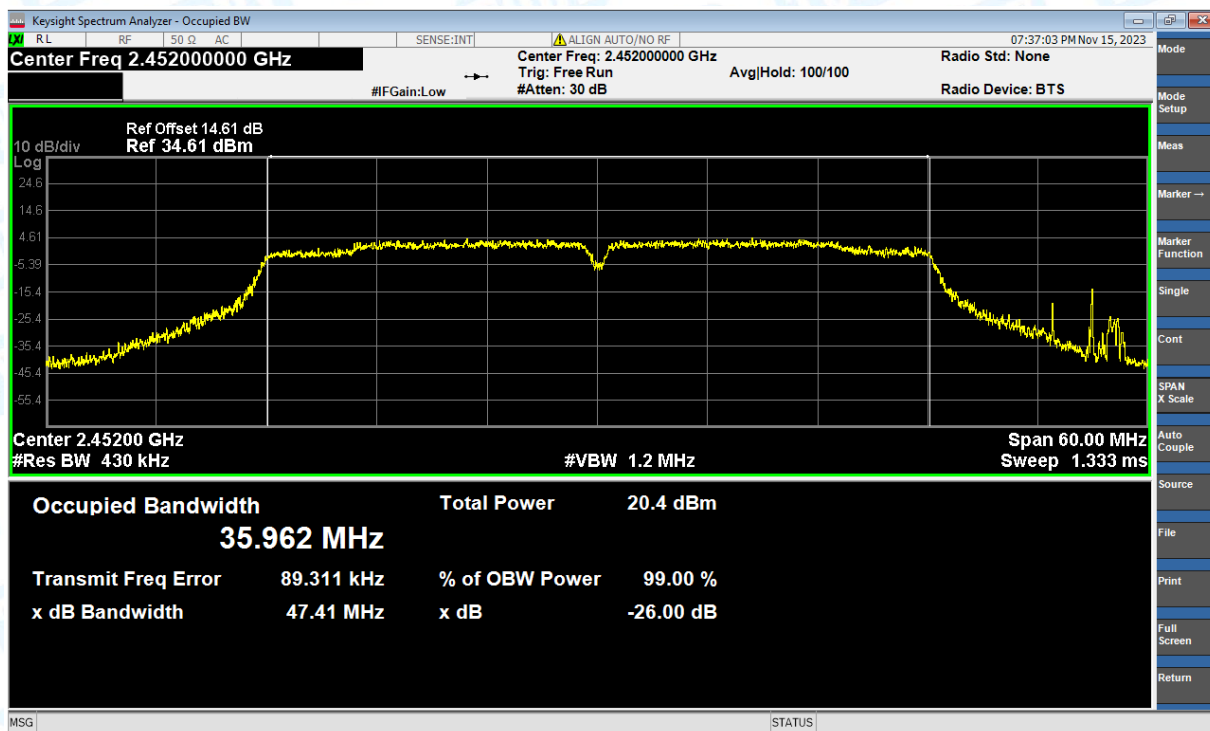
OBW NVNT n(HT40) 2437MHz Ant1



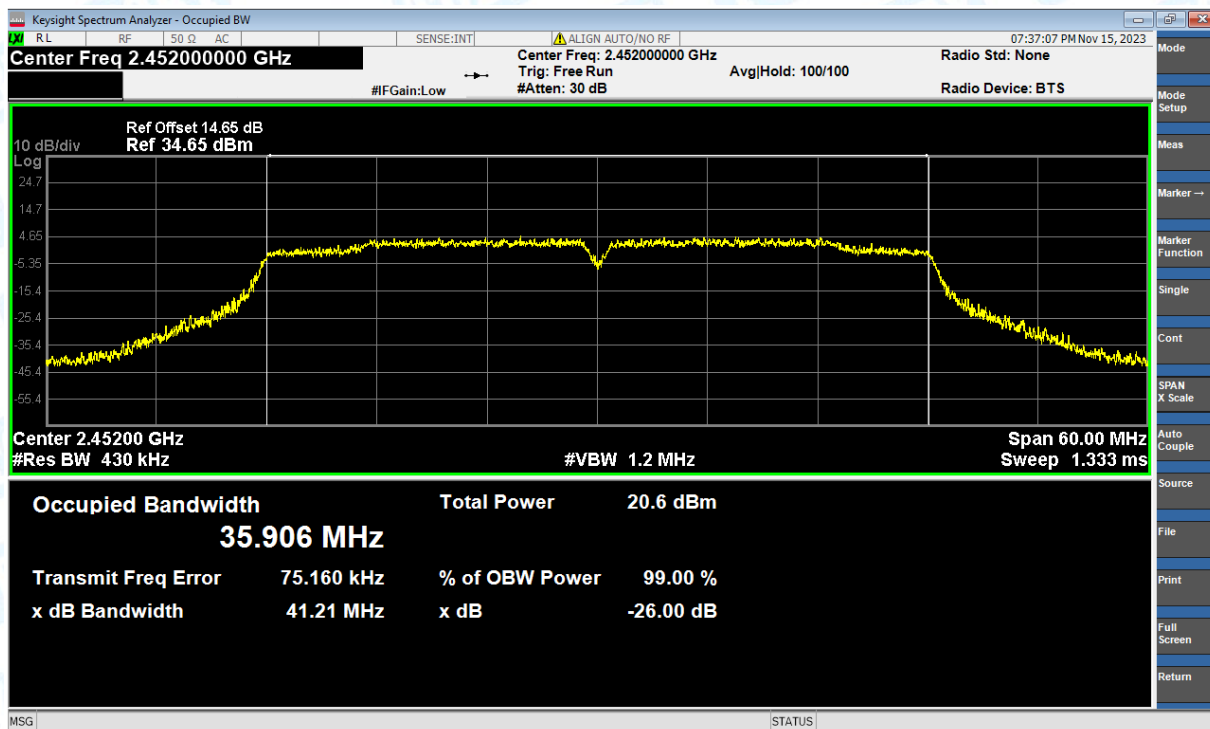
OBW NVNT n(HT40) 2437MHz Ant2



OBW NVNT n(HT40) 2452MHz Ant1



OBW NVNT n(HT40) 2452MHz Ant2



## 5. Maximum Power Spectral Density Level

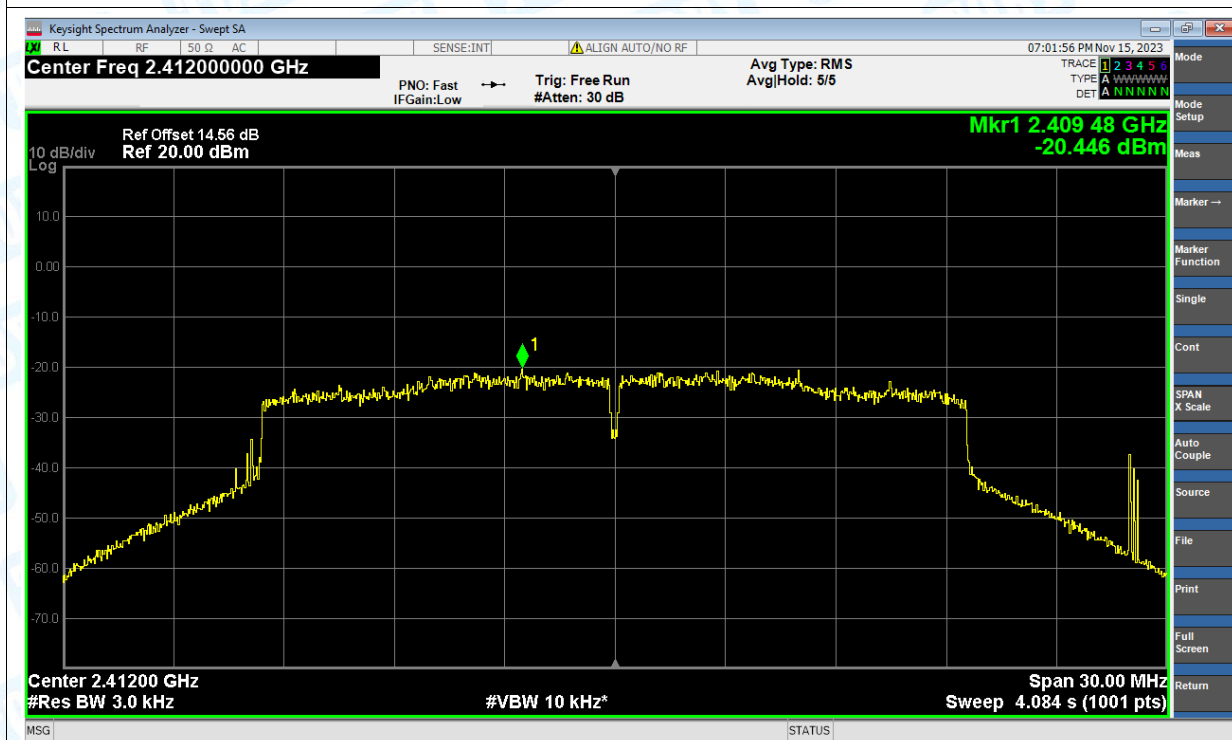
| Condition   | Mode             | Frequency (MHz) | Antenna    | Max PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict     |
|-------------|------------------|-----------------|------------|--------------------|------------------|-------------|
| NVNT        | ax(VHT20)        | 2412            | Ant1       | -20.446            | 8                | Pass        |
| NVNT        | ax(VHT20)        | 2412            | Ant2       | -20.373            | 8                | Pass        |
| <b>NVNT</b> | <b>ax(VHT20)</b> | <b>2412</b>     | <b>Sum</b> | <b>-17.399</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | ax(VHT20)        | 2437            | Ant1       | -20.193            | 8                | Pass        |
| NVNT        | ax(VHT20)        | 2437            | Ant2       | -20.191            | 8                | Pass        |
| <b>NVNT</b> | <b>ax(VHT20)</b> | <b>2437</b>     | <b>Sum</b> | <b>-17.182</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | ax(VHT20)        | 2462            | Ant1       | -20.594            | 8                | Pass        |
| NVNT        | ax(VHT20)        | 2462            | Ant2       | -20.783            | 8                | Pass        |
| <b>NVNT</b> | <b>ax(VHT20)</b> | <b>2462</b>     | <b>Sum</b> | <b>-17.677</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | ax(VHT40)        | 2422            | Ant1       | -24.477            | 8                | Pass        |
| NVNT        | ax(VHT40)        | 2422            | Ant2       | -24.718            | 8                | Pass        |
| <b>NVNT</b> | <b>ax(VHT40)</b> | <b>2422</b>     | <b>Sum</b> | <b>-21.586</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | ax(VHT40)        | 2437            | Ant1       | -24.351            | 8                | Pass        |
| NVNT        | ax(VHT40)        | 2437            | Ant2       | -25.152            | 8                | Pass        |
| <b>NVNT</b> | <b>ax(VHT40)</b> | <b>2437</b>     | <b>Sum</b> | <b>-21.723</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | ax(VHT40)        | 2452            | Ant1       | -24.562            | 8                | Pass        |
| NVNT        | ax(VHT40)        | 2452            | Ant2       | -24.011            | 8                | Pass        |
| <b>NVNT</b> | <b>ax(VHT40)</b> | <b>2452</b>     | <b>Sum</b> | <b>-21.267</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | b                | 2412            | Ant1       | -16.248            | 8                | Pass        |
| NVNT        | b                | 2412            | Ant2       | -15.428            | 8                | Pass        |
| <b>NVNT</b> | <b>b</b>         | <b>2412</b>     | <b>Sum</b> | <b>-12.808</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | b                | 2437            | Ant1       | -14.823            | 8                | Pass        |
| NVNT        | b                | 2437            | Ant2       | -15.974            | 8                | Pass        |
| <b>NVNT</b> | <b>b</b>         | <b>2437</b>     | <b>Sum</b> | <b>-12.35</b>      | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | b                | 2462            | Ant1       | -14.933            | 8                | Pass        |
| NVNT        | b                | 2462            | Ant2       | -15.85             | 8                | Pass        |
| <b>NVNT</b> | <b>b</b>         | <b>2462</b>     | <b>Sum</b> | <b>-12.357</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | g                | 2412            | Ant1       | -19.181            | 8                | Pass        |
| NVNT        | g                | 2412            | Ant2       | -19.312            | 8                | Pass        |
| <b>NVNT</b> | <b>g</b>         | <b>2412</b>     | <b>Sum</b> | <b>-16.236</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | g                | 2437            | Ant1       | -19.215            | 8                | Pass        |
| NVNT        | g                | 2437            | Ant2       | -19.819            | 8                | Pass        |
| <b>NVNT</b> | <b>g</b>         | <b>2437</b>     | <b>Sum</b> | <b>-16.496</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | g                | 2462            | Ant1       | -18.746            | 8                | Pass        |
| NVNT        | g                | 2462            | Ant2       | -18.98             | 8                | Pass        |
| <b>NVNT</b> | <b>g</b>         | <b>2462</b>     | <b>Sum</b> | <b>-15.851</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | n(HT20)          | 2412            | Ant1       | -19.309            | 8                | Pass        |
| NVNT        | n(HT20)          | 2412            | Ant2       | -19.073            | 8                | Pass        |
| <b>NVNT</b> | <b>n(HT20)</b>   | <b>2412</b>     | <b>Sum</b> | <b>-16.179</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | n(HT20)          | 2437            | Ant1       | -18.56             | 8                | Pass        |
| NVNT        | n(HT20)          | 2437            | Ant2       | -20.028            | 8                | Pass        |
| <b>NVNT</b> | <b>n(HT20)</b>   | <b>2437</b>     | <b>Sum</b> | <b>-16.222</b>     | <b>7.87</b>      | <b>Pass</b> |
| NVNT        | n(HT20)          | 2462            | Ant1       | -19.285            | 8                | Pass        |

|             |                |             |            |                |             |             |
|-------------|----------------|-------------|------------|----------------|-------------|-------------|
| NVNT        | n(HT20)        | 2462        | Ant2       | -20.03         | 8           | Pass        |
| <b>NVNT</b> | <b>n(HT20)</b> | <b>2462</b> | <b>Sum</b> | <b>-16.631</b> | <b>7.87</b> | <b>Pass</b> |
| NVNT        | n(HT40)        | 2422        | Ant1       | -22.199        | 8           | Pass        |
| NVNT        | n(HT40)        | 2422        | Ant2       | -22.735        | 8           | Pass        |
| <b>NVNT</b> | <b>n(HT40)</b> | <b>2422</b> | <b>Sum</b> | <b>-19.448</b> | <b>7.87</b> | <b>Pass</b> |
| NVNT        | n(HT40)        | 2437        | Ant1       | -21.95         | 8           | Pass        |
| NVNT        | n(HT40)        | 2437        | Ant2       | -22.585        | 8           | Pass        |
| <b>NVNT</b> | <b>n(HT40)</b> | <b>2437</b> | <b>Sum</b> | <b>-19.246</b> | <b>7.87</b> | <b>Pass</b> |
| NVNT        | n(HT40)        | 2452        | Ant1       | -22.177        | 8           | Pass        |
| NVNT        | n(HT40)        | 2452        | Ant2       | -22.611        | 8           | Pass        |
| <b>NVNT</b> | <b>n(HT40)</b> | <b>2452</b> | <b>Sum</b> | <b>-19.378</b> | <b>7.87</b> | <b>Pass</b> |

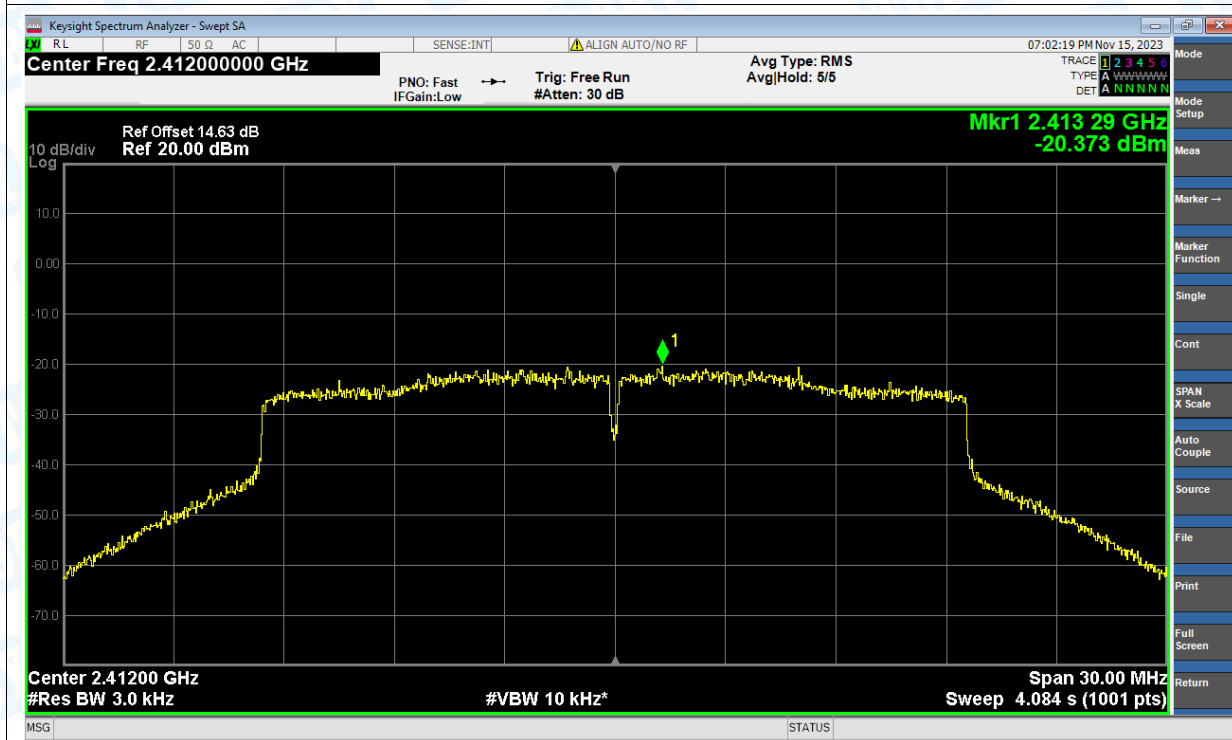
Note: The Duty Cycle Factor is compensated in the graph.

# Test Graphs

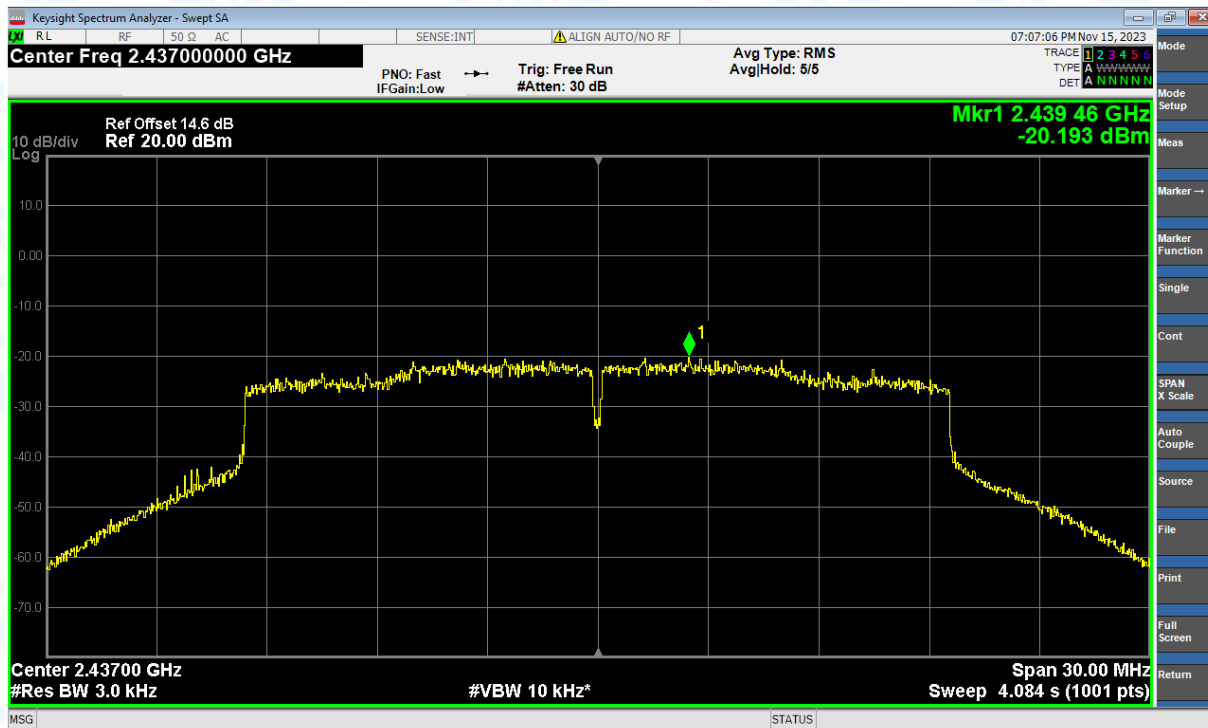
## PSD NVNT ax(VHT20) 2412MHz Ant1



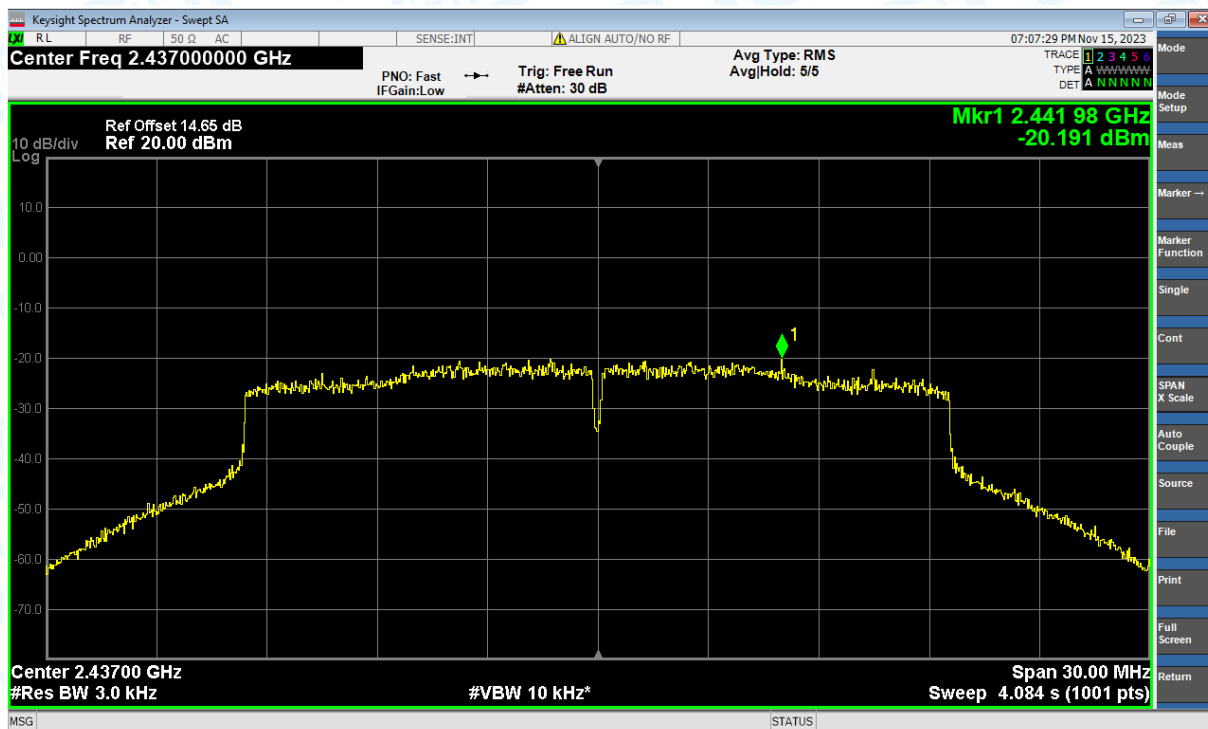
## PSD NVNT ax(VHT20) 2412MHz Ant2



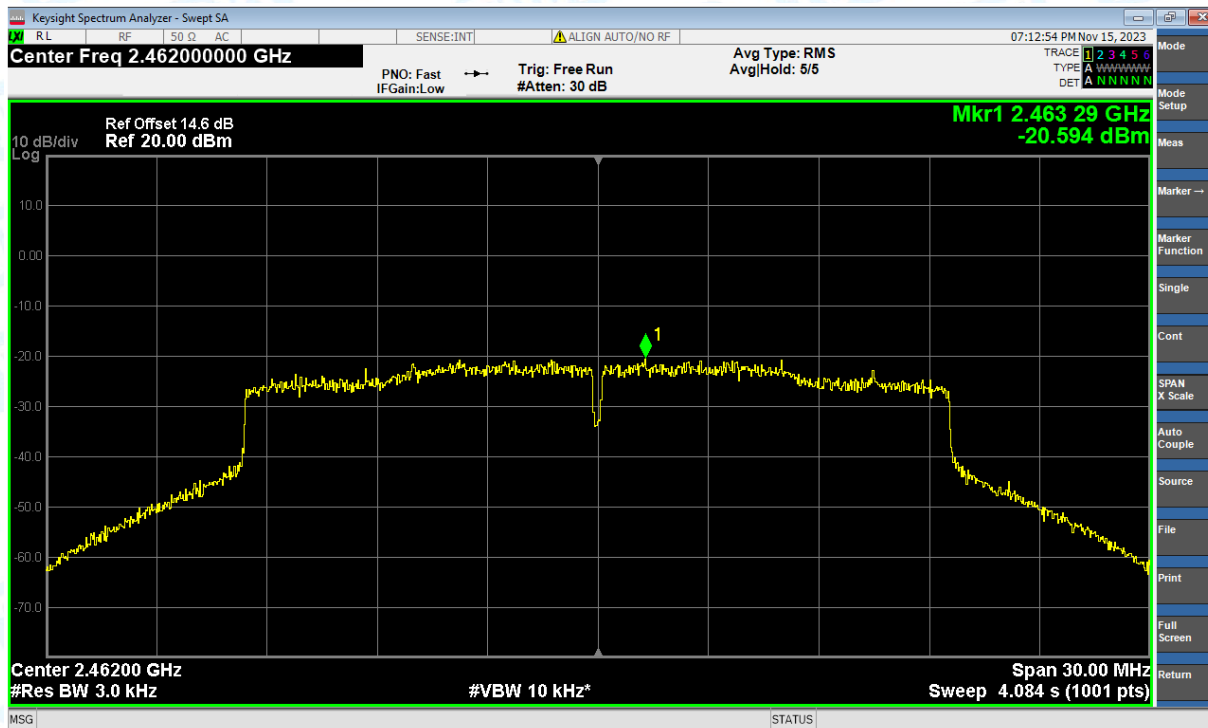
PSD NVNT ax(VHT20) 2437MHz Ant1



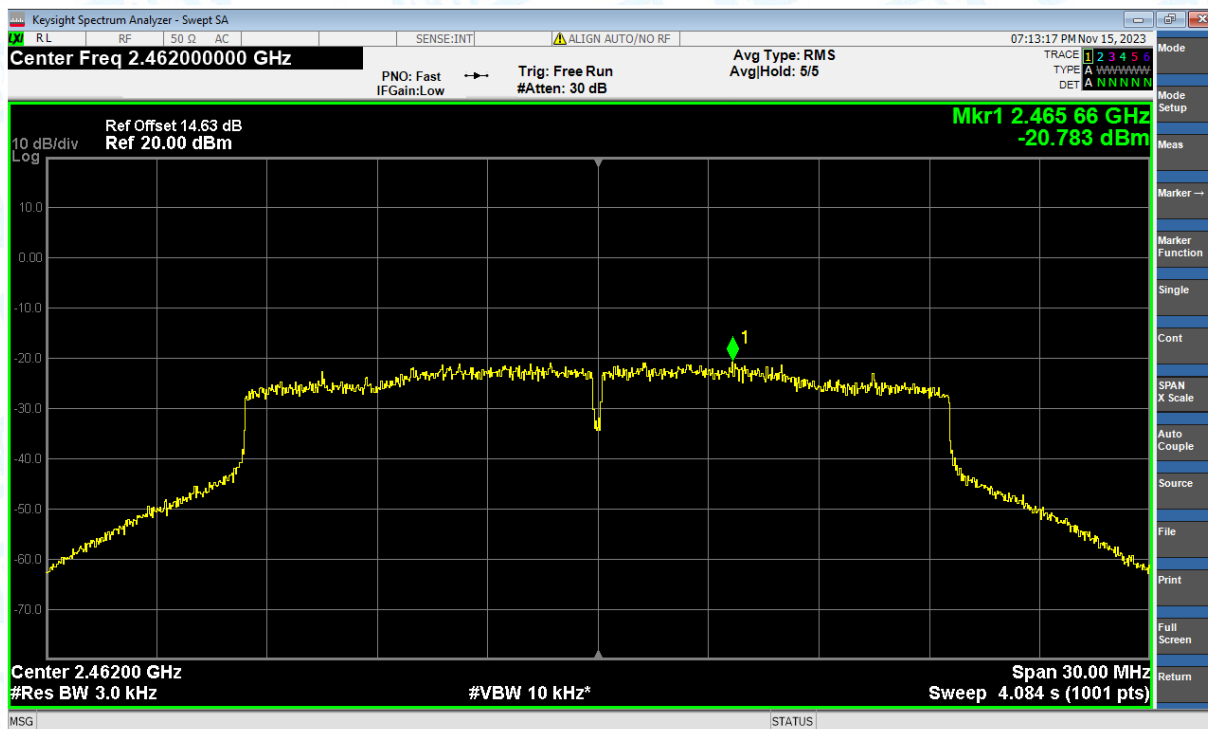
PSD NVNT ax(VHT20) 2437MHz Ant2



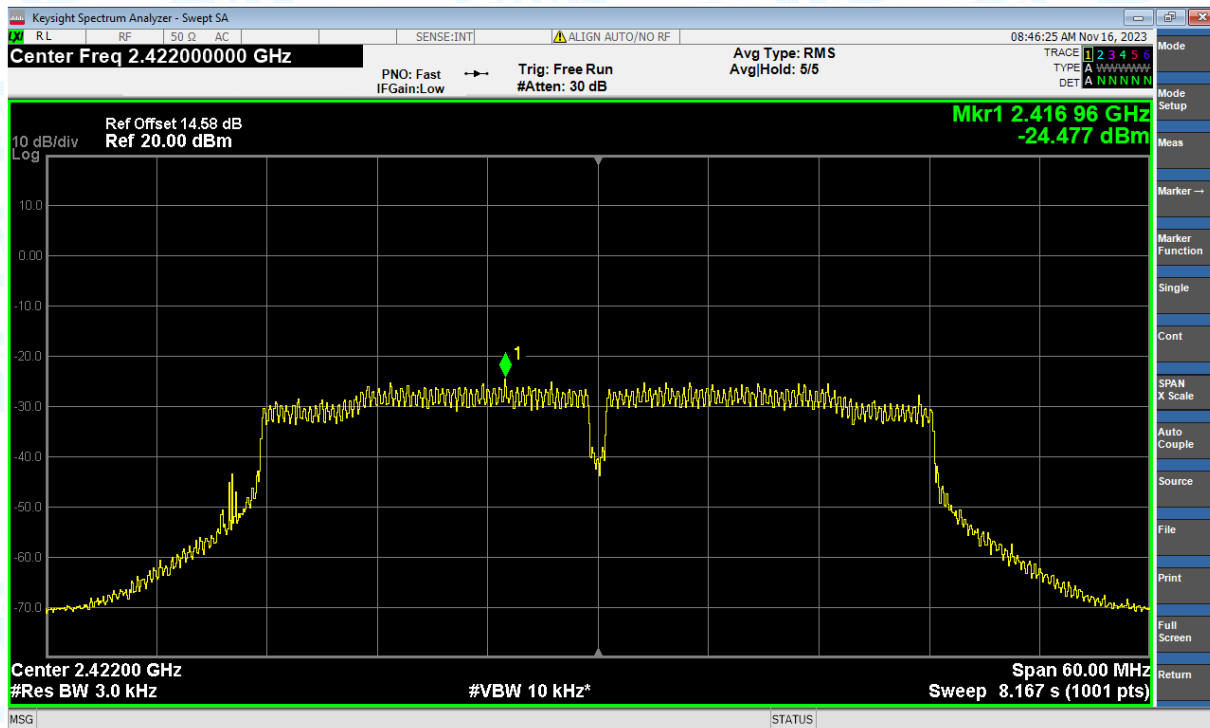
PSD NVNT ax(VHT20) 2462MHz Ant1



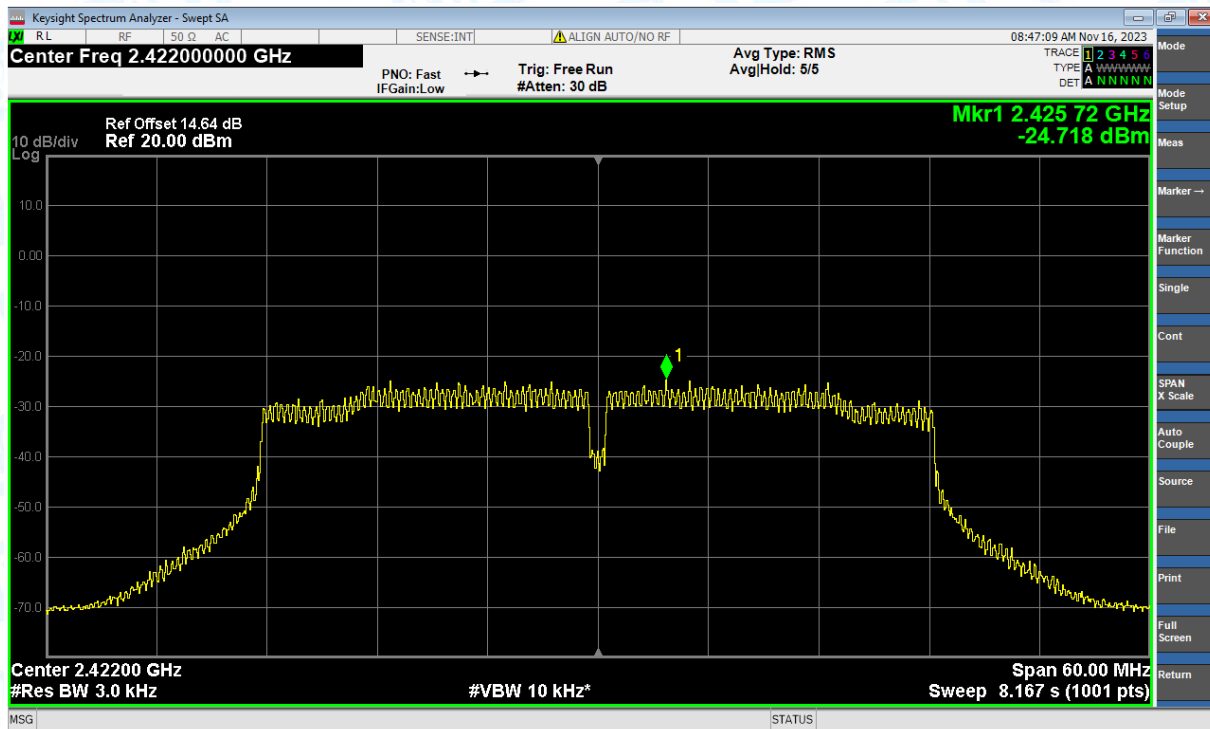
PSD NVNT ax(VHT20) 2462MHz Ant2



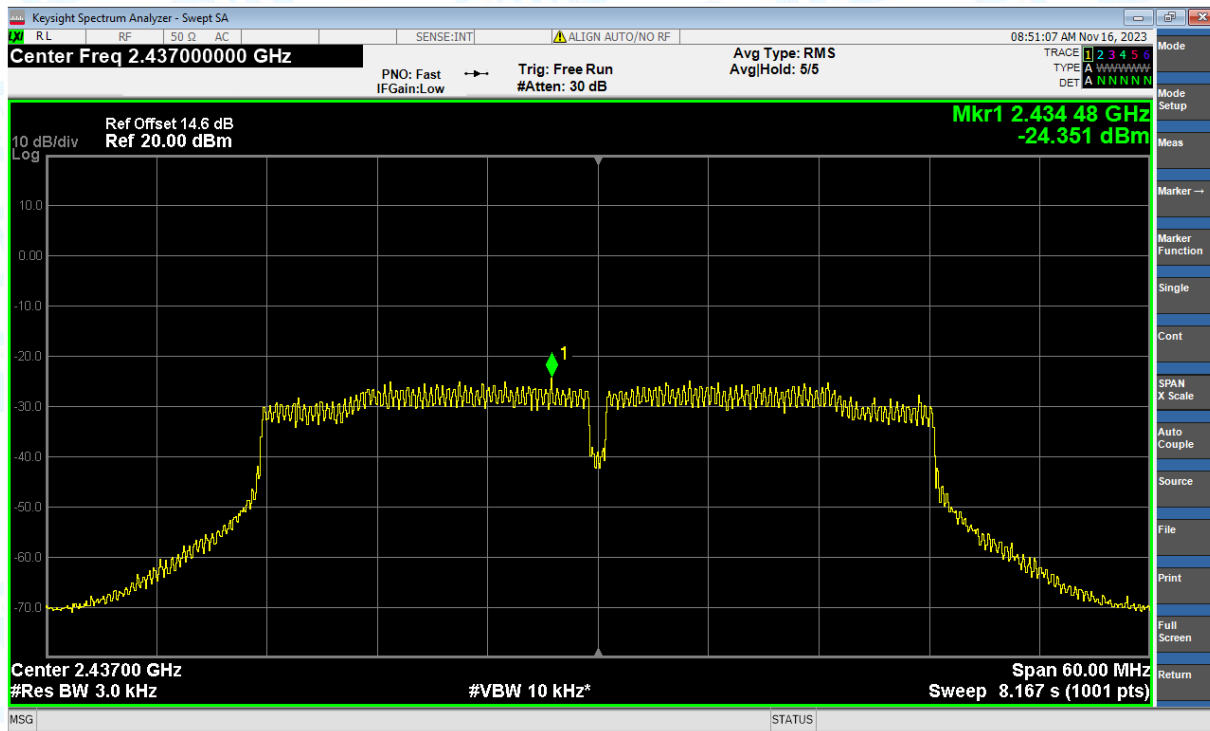
PSD NVNT ax(VHT40) 2422MHz Ant1



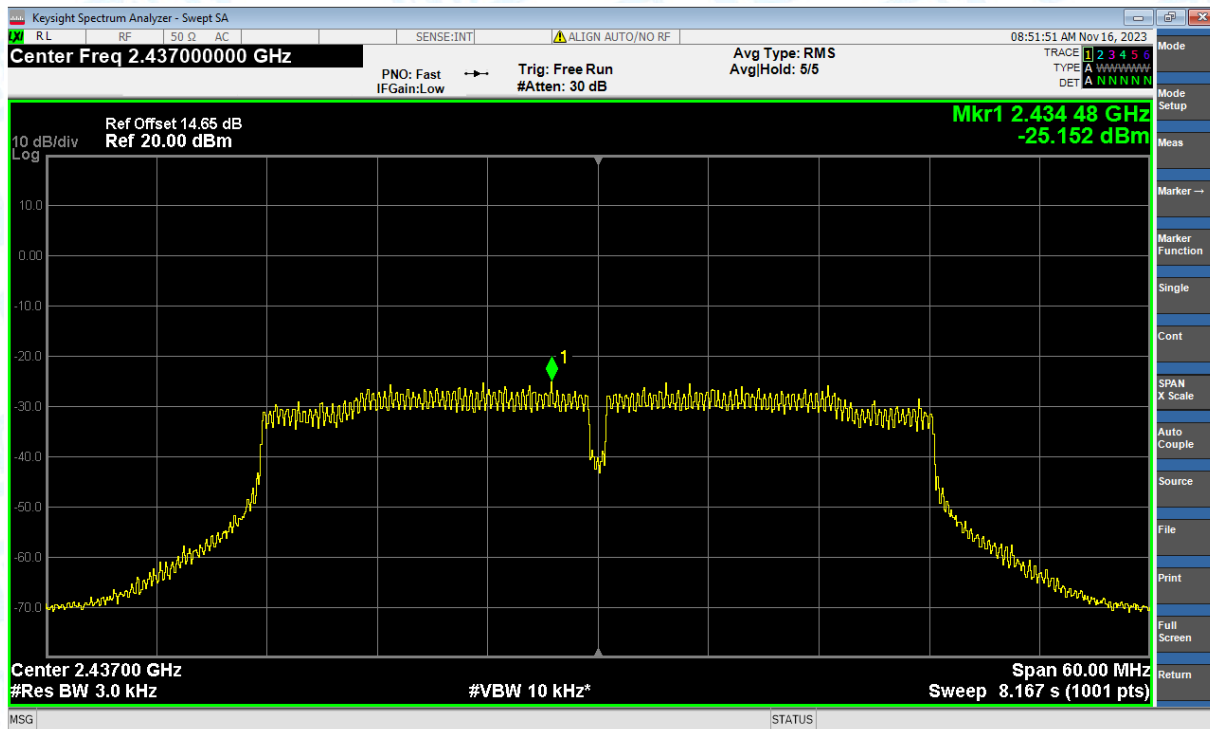
PSD NVNT ax(VHT40) 2422MHz Ant2



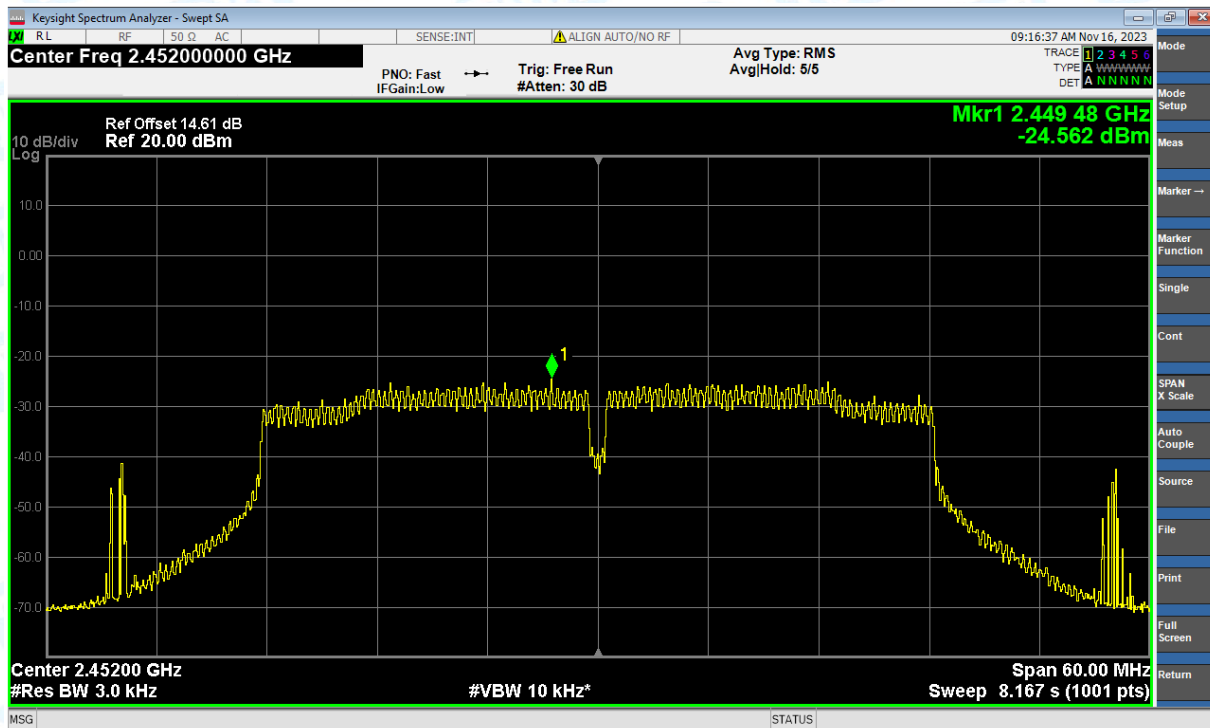
PSD NVNT ax(VHT40) 2437MHz Ant1



PSD NVNT ax(VHT40) 2437MHz Ant2



PSD NVNT ax(VHT40) 2452MHz Ant1



PSD NVNT ax(VHT40) 2452MHz Ant2

