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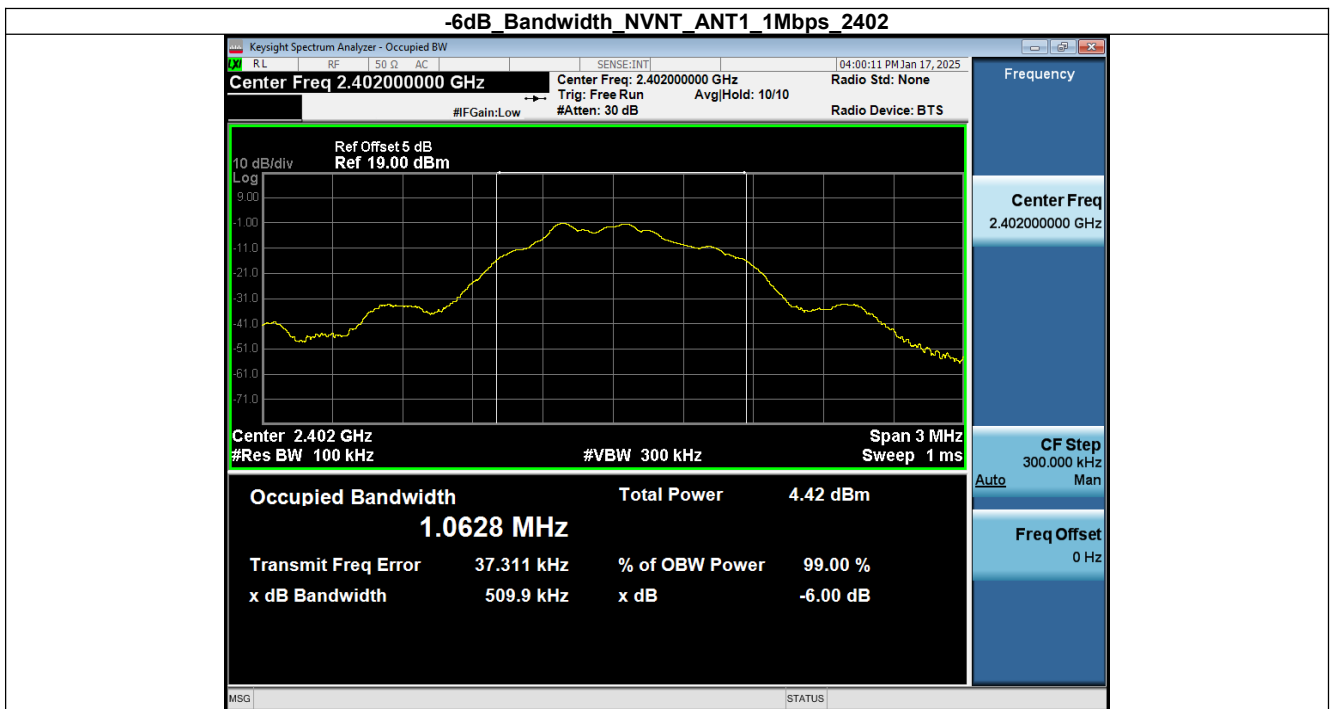
# Report No.:NCT24051452E1-1

## FCC ID:2BMXP-BTW055PRO

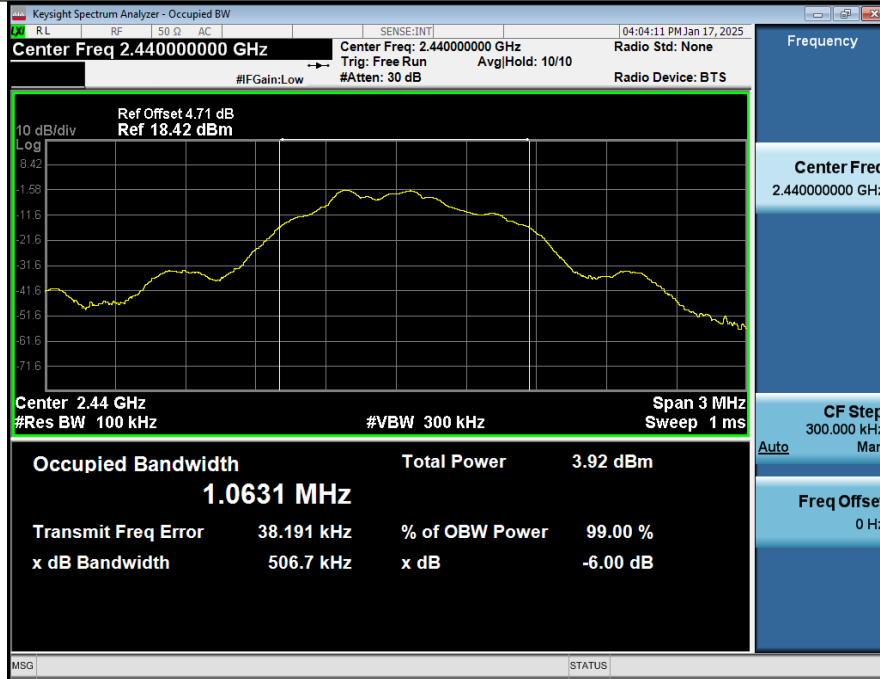
### FCC\_BLE (Part15.247) Test Data

#### 1. -6dB Bandwidth

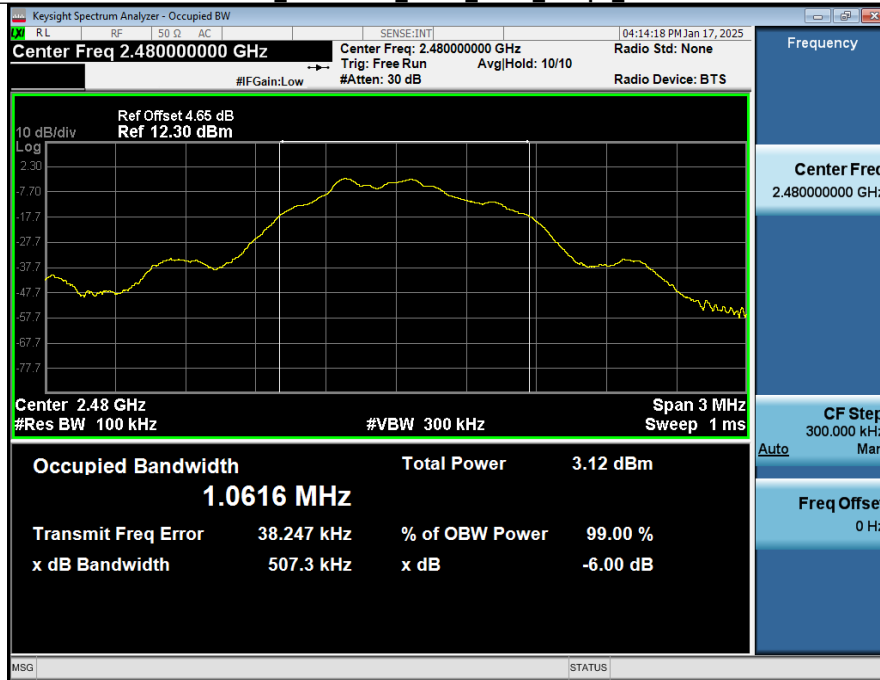
| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 509.91       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 506.73       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 507.29       | 500        | Pass   |



-6dB Bandwidth NVNT\_ANT1\_1Mbps\_2440

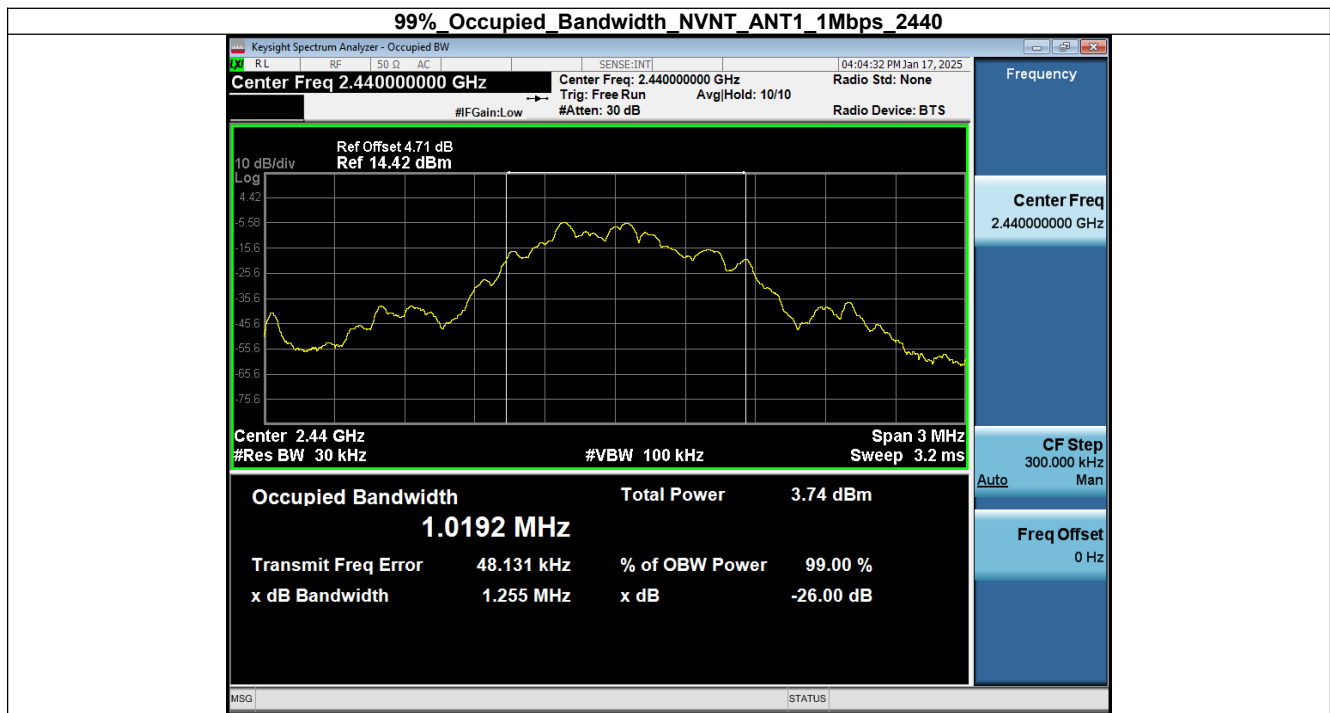


-6dB Bandwidth NVNT\_ANT1\_1Mbps\_2480



2. 99% Occupied Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | 99% BW (MHz) |
|-----------|---------|-------|-----------------|--------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 1.019        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.019        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.018        |

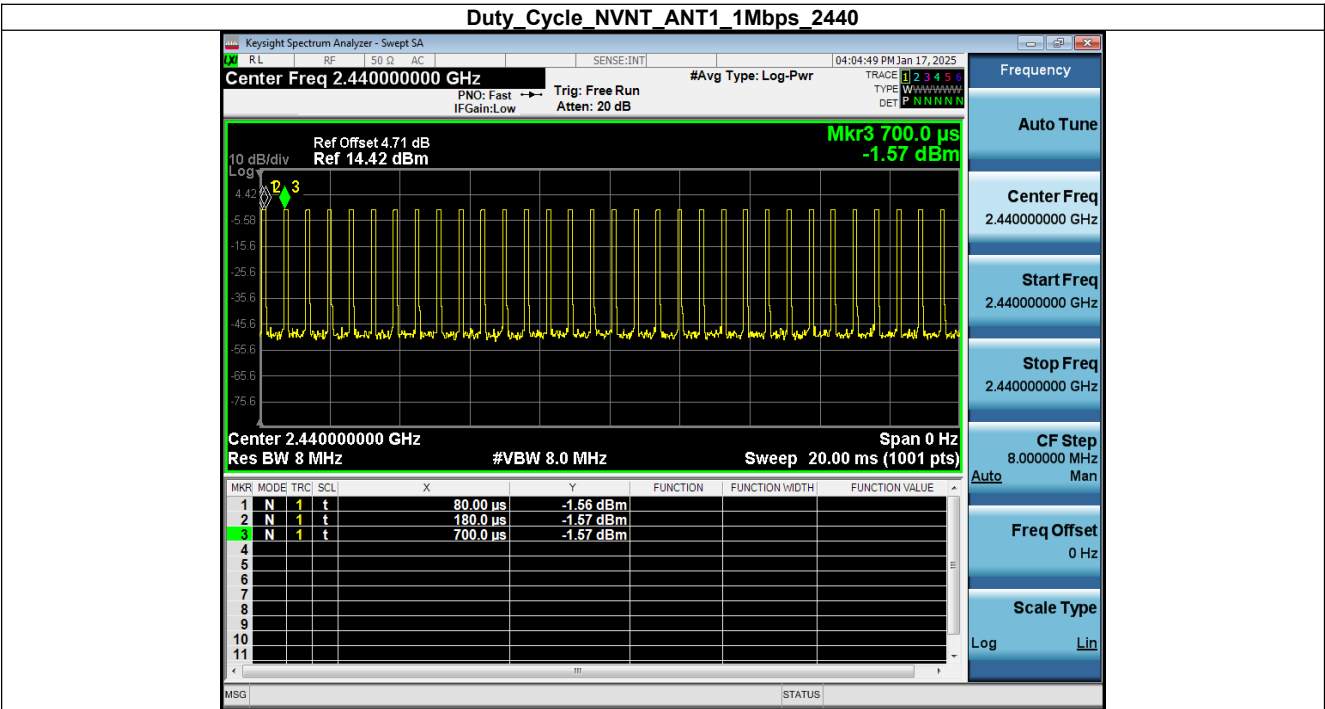
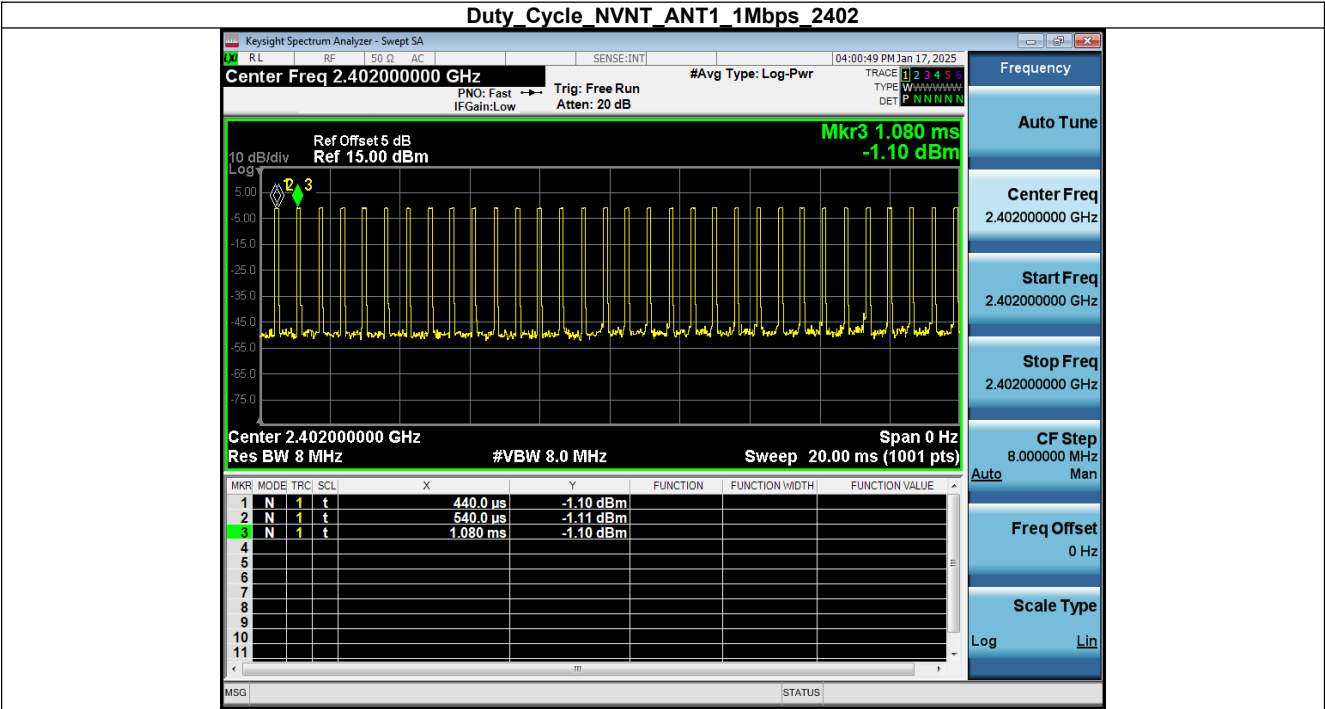


# 99% Occupied Bandwidth NVNT\_ANT1\_1Mbps\_2480

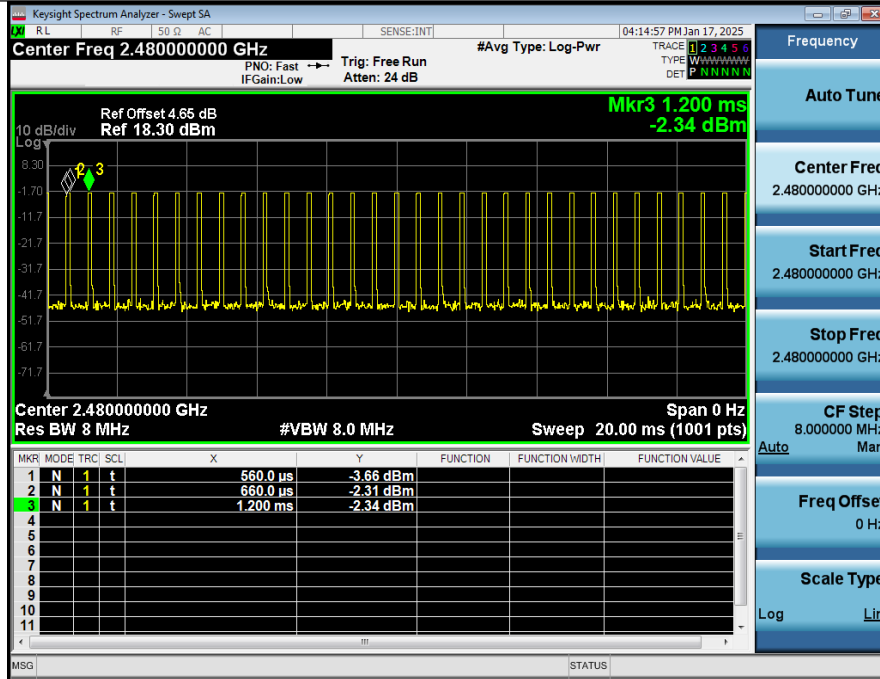


3. Duty Cycle

| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 15.62        | 8.06        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 16.13        | 7.92        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 18.75        | 7.27        |

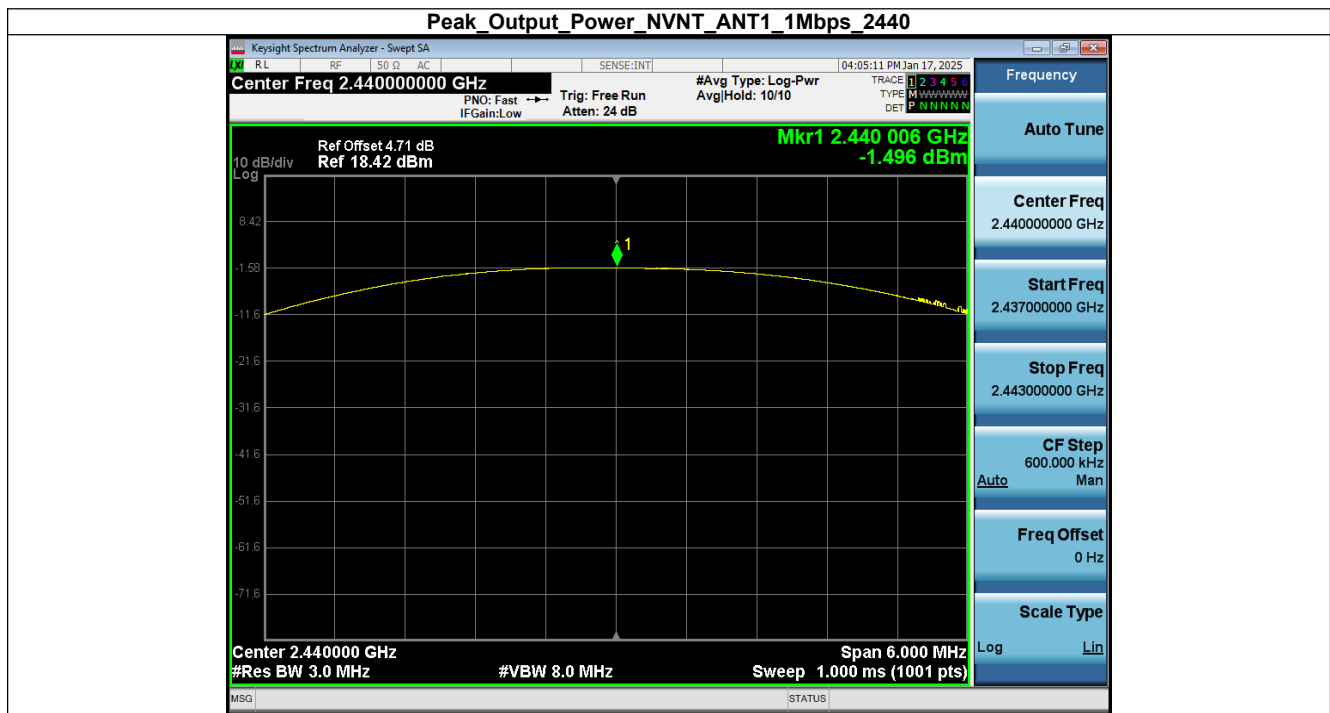
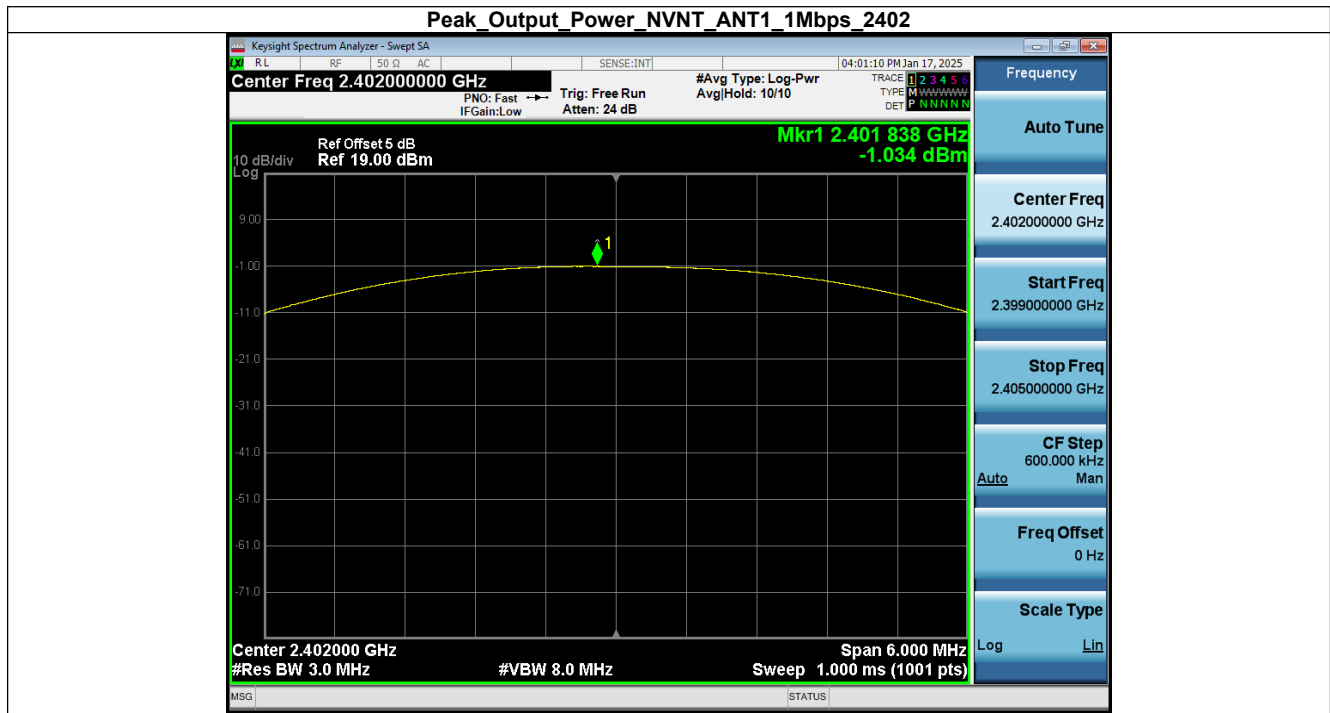


# Duty Cycle\_NVNT\_ANT1\_1Mbps\_2480



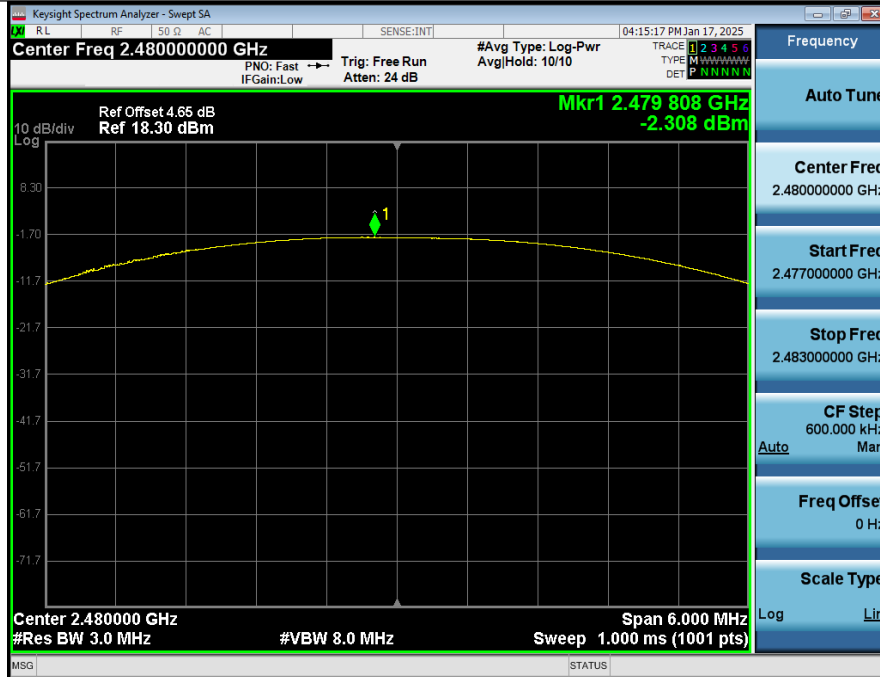
4. Peak Output Power

| Condition | Antenna | Rate  | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|-------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -1.03                     | 0.79                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -1.50                     | 0.71                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -2.31                     | 0.59                     | 1000      | Pass   |



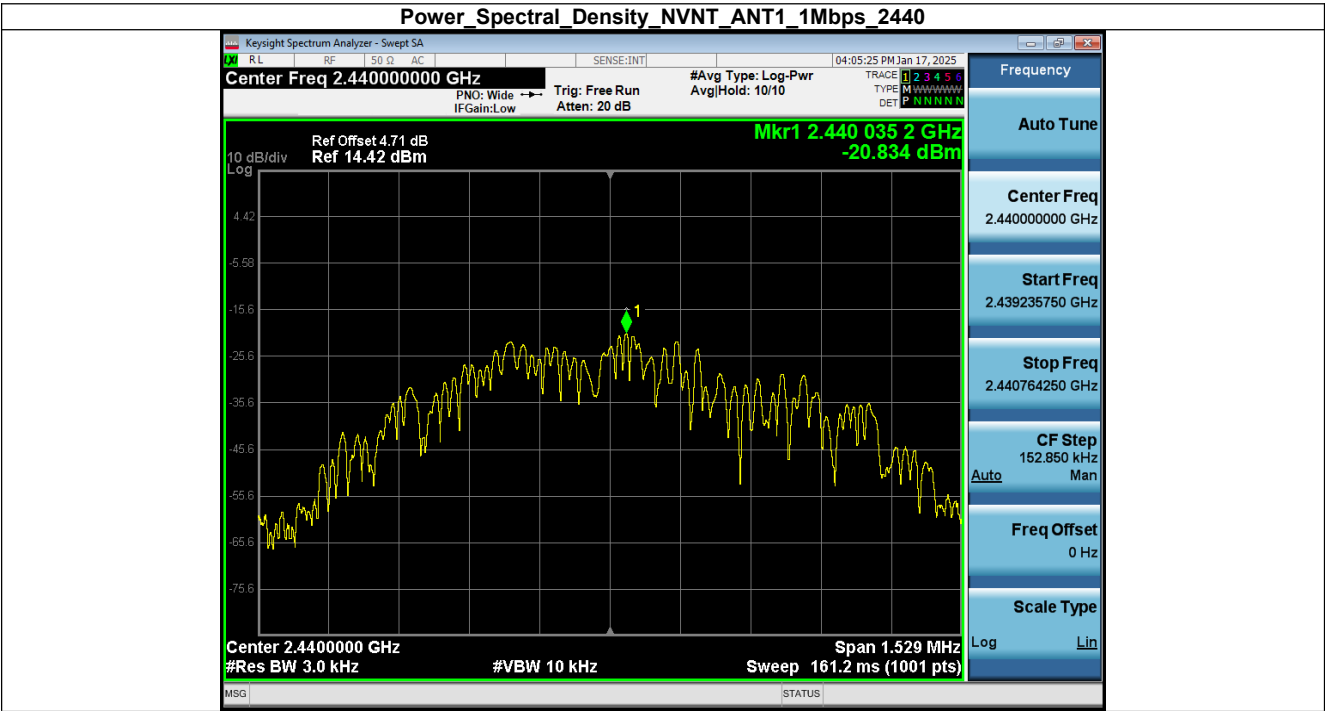
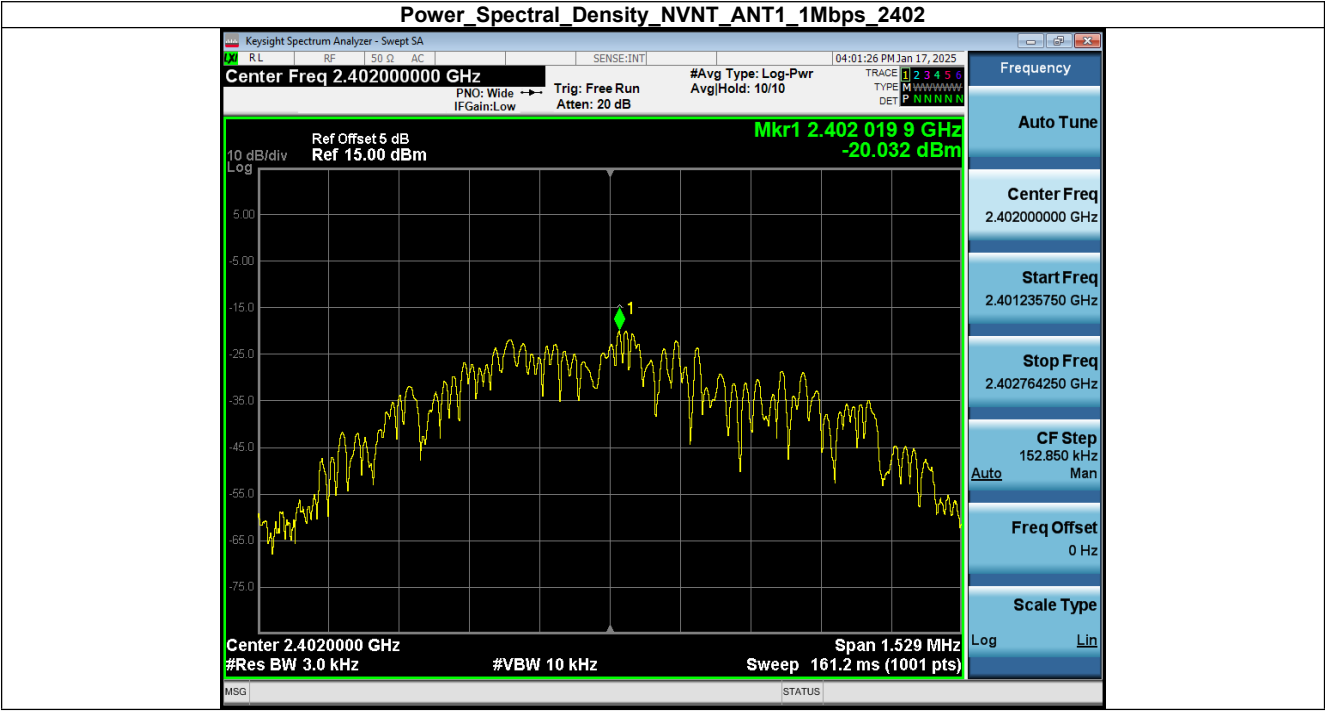


# Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2480

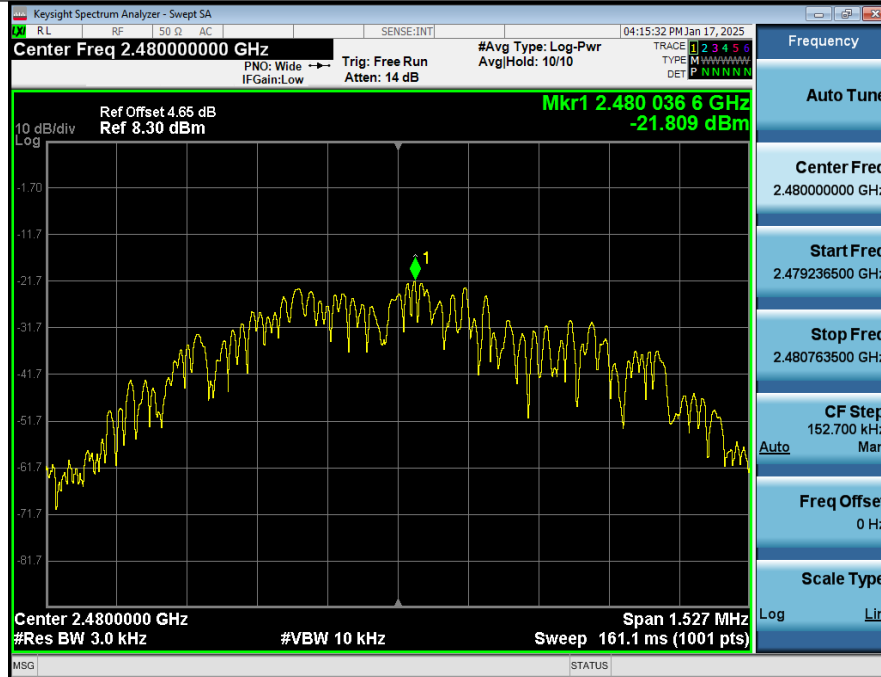


5. Power Spectral Density

| Condition | Antenna | Rate  | Frequency (MHz) | Power Spectral Density(dBm/3kHz) | Limit(dBm/3kHz) | Result |
|-----------|---------|-------|-----------------|----------------------------------|-----------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -20.03                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -20.83                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -21.81                           | 8               | Pass   |

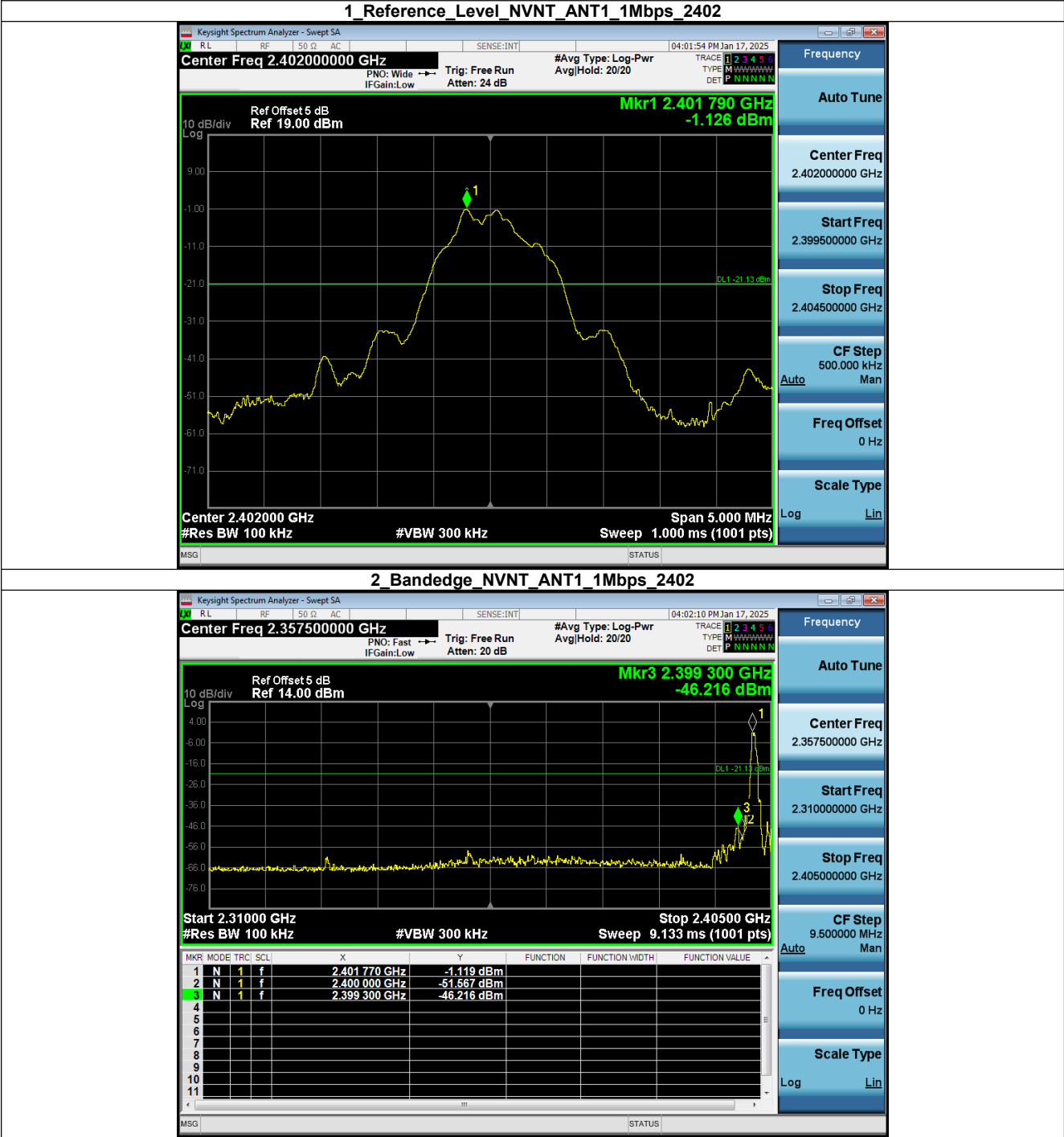


# Power Spectral Density\_NVNT\_ANT1\_1Mbps\_2480



6. Bandedge

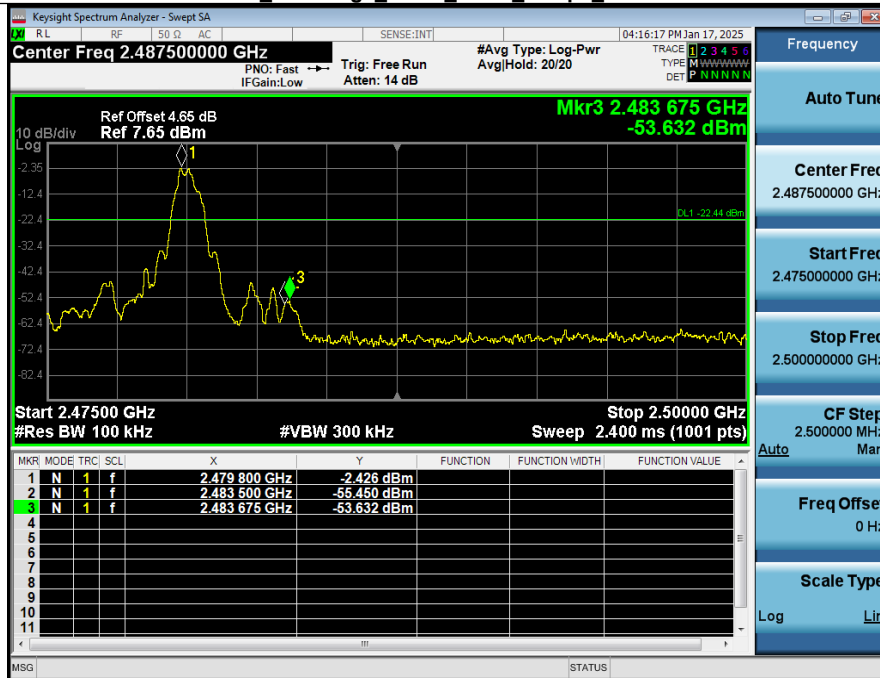
| Condition | Antenna | Modulation | TX_Frequency (MHz) | Max. Mark_freq(MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|---------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | 2399.300            | -1.126         | -46.216             | -21.126    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | 2483.675            | -2.443         | -53.632             | -22.443    | Pass   |



# 1 Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480

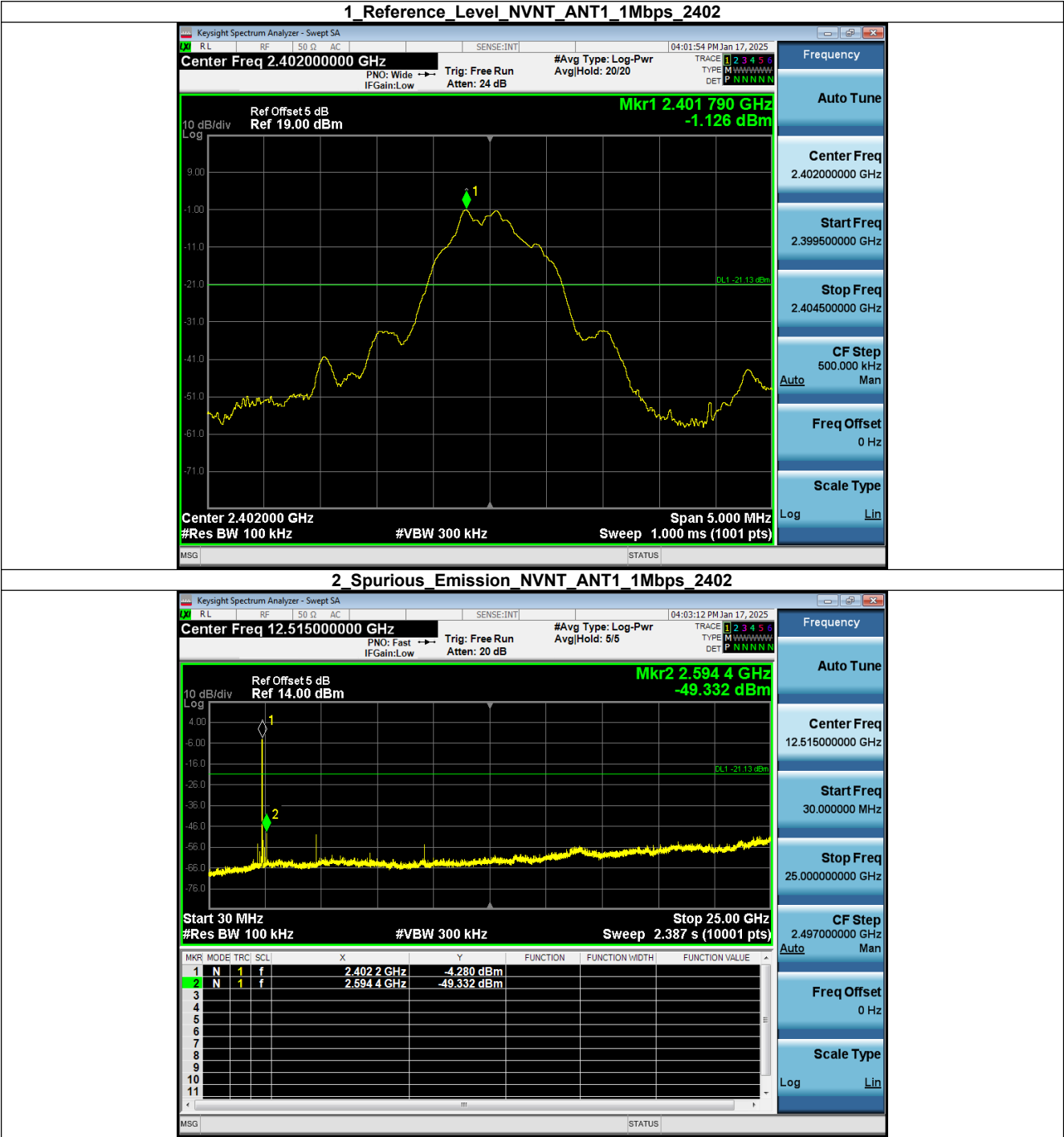


# 2 Bandedge\_NVNT\_ANT1\_1Mbps\_2480



7. Spurious Emission

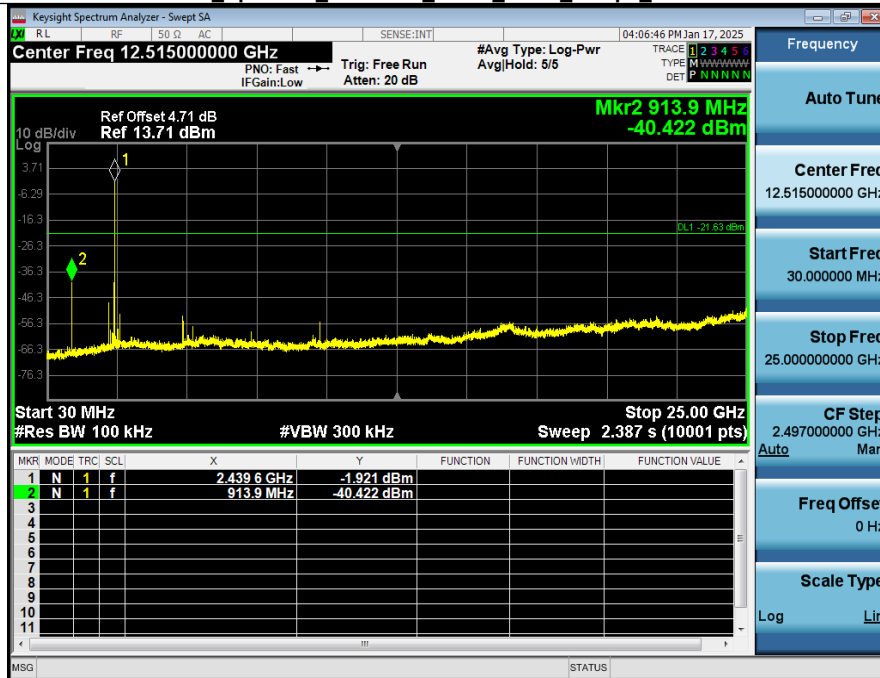
| Condition | Antenna | Modulation | TX_Frequency (MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | -1.126         | -49.332             | -21.126    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2440.00            | -1.627         | -40.422             | -21.627    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | -2.443         | -49.153             | -22.443    | Pass   |



# 1 Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440



# 2 Spurious Emission\_NVNT\_ANT1\_1Mbps\_2440



# 1 Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



# 2 Spurious Emission\_NVNT\_ANT1\_1Mbps\_2480

