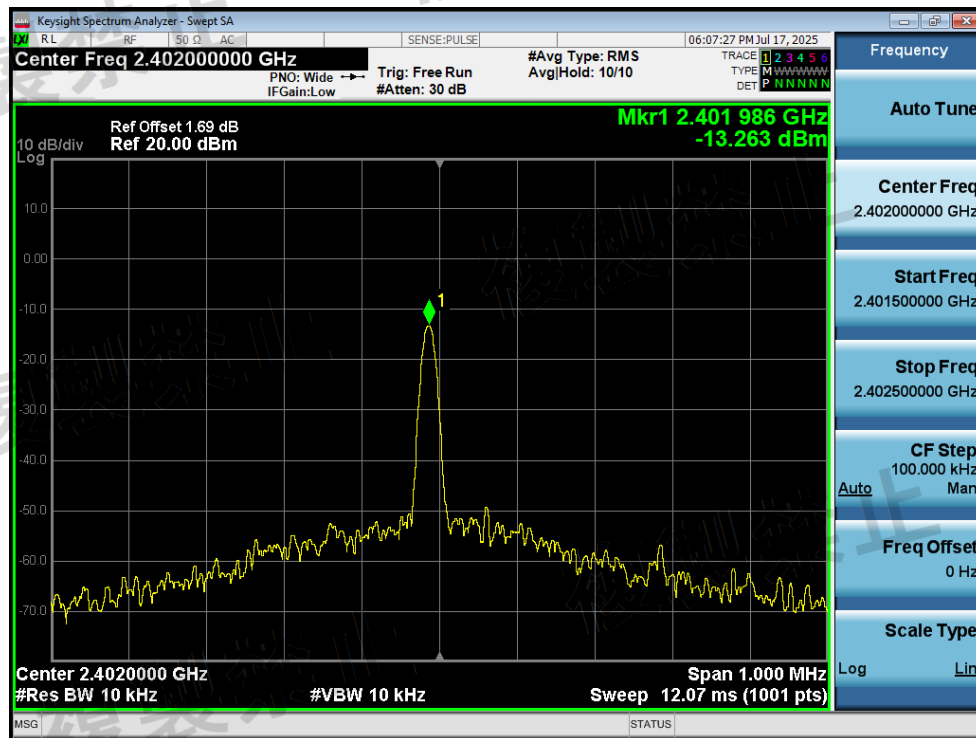


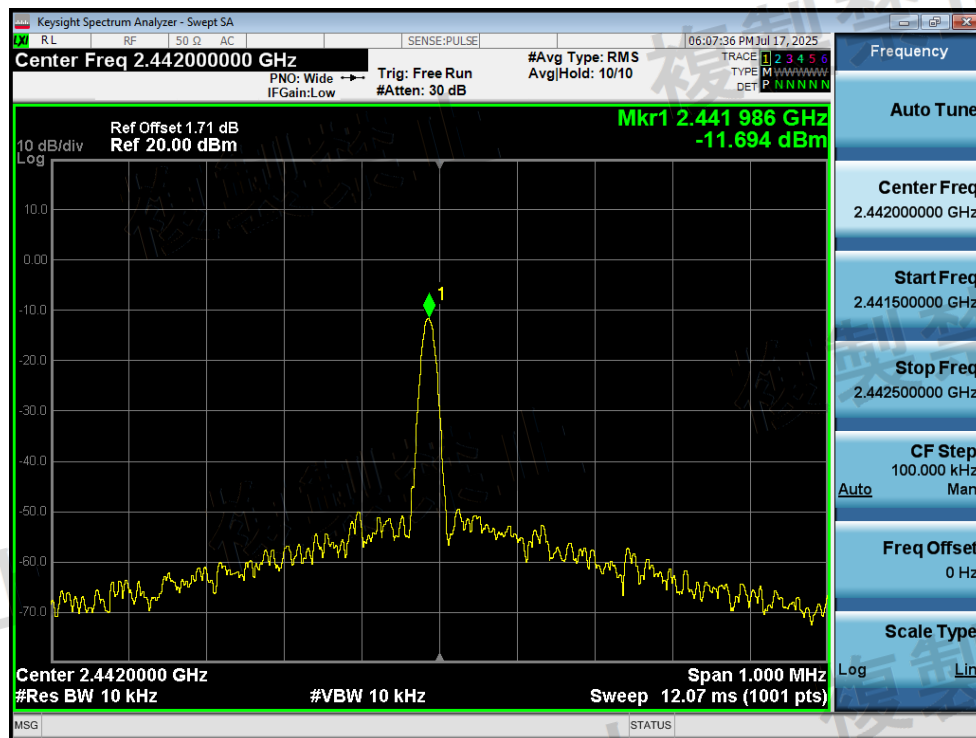
Appendix B of Test Report

1. Frequency Error

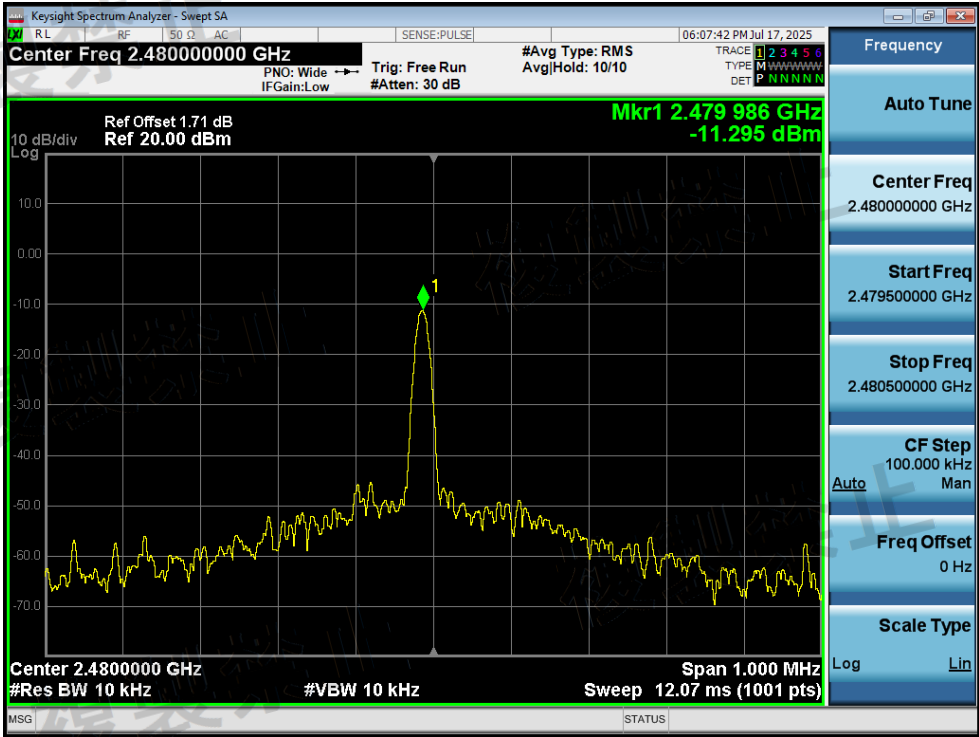
| Condition | Mode      | Frequency<br>(MHz) | Antenna | Measured Frequency<br>(MHz) | Frequency Error<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
|-----------|-----------|--------------------|---------|-----------------------------|-------------------------|--------------------|----------------|---------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | 2401.986                    | -14000                  | -5.83              | ±50            | Pass    |
| NVNT      | BLE<br>1M | 2442               | Ant1    | 2441.986                    | -14000                  | -5.73              | ±50            | Pass    |
| NVNT      | BLE<br>1M | 2480               | Ant1    | 2479.986                    | -14000                  | -5.65              | ±50            | Pass    |



Freq. Error NVNT BLE 1M 2402MHz Ant1



Freq. Error NVNT BLE 1M 2442MHz Ant1



Freq. Error NVNT BLE 1M 2480MHz Ant1

2. Antenna and EIRP Power

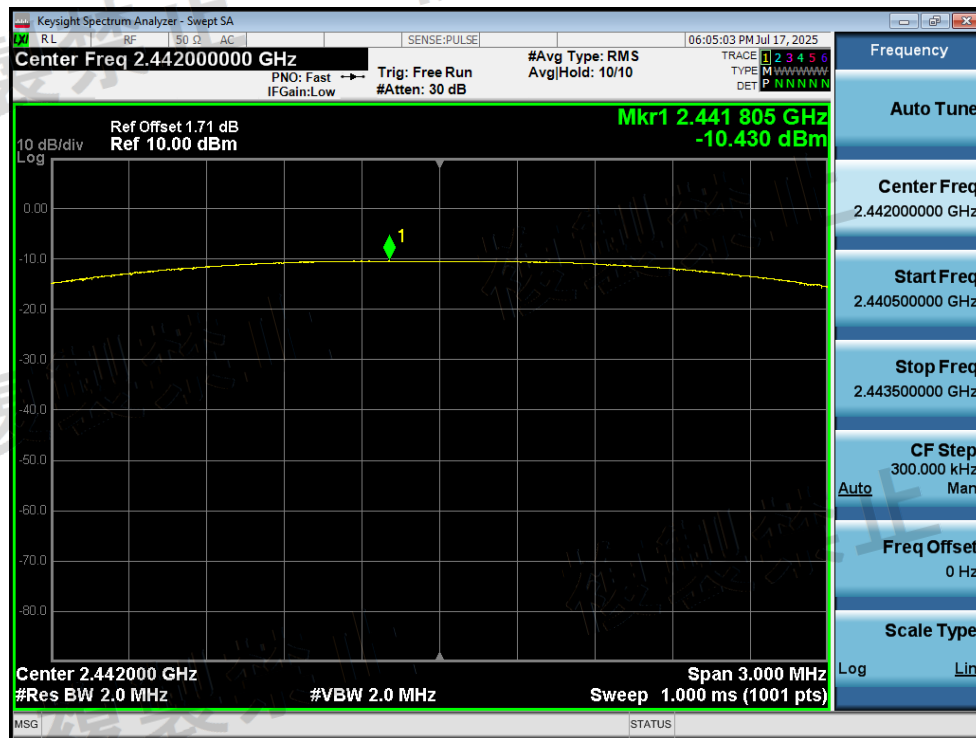
| Condition | Mode      | Frequency<br>(MHz) | Antenna | Power<br>(dBm) | Antenna<br>Power<br>(mW) | Limit<br>(mW) | Declared<br>Power<br>(mW) | Tolerance<br>(%) | Upper<br>Limit<br>(%) | Verdict |
|-----------|-----------|--------------------|---------|----------------|--------------------------|---------------|---------------------------|------------------|-----------------------|---------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | -11.96         | 0.06                     | 10            | 5                         | -98.8            | +20                   | Pass    |
| NVNT      | BLE<br>1M | 2442               | Ant1    | -10.39         | 0.09                     | 10            | 5                         | -98.2            | +20                   | Pass    |
| NVNT      | BLE<br>1M | 2480               | Ant1    | -10.01         | 0.1                      | 10            | 5                         | -98              | +20                   | Pass    |



Power NVNT BLE 1M 2402MHz Ant1 Pre Scan



Power NVNT BLE 1M 2402MHz Ant1 Zero Span



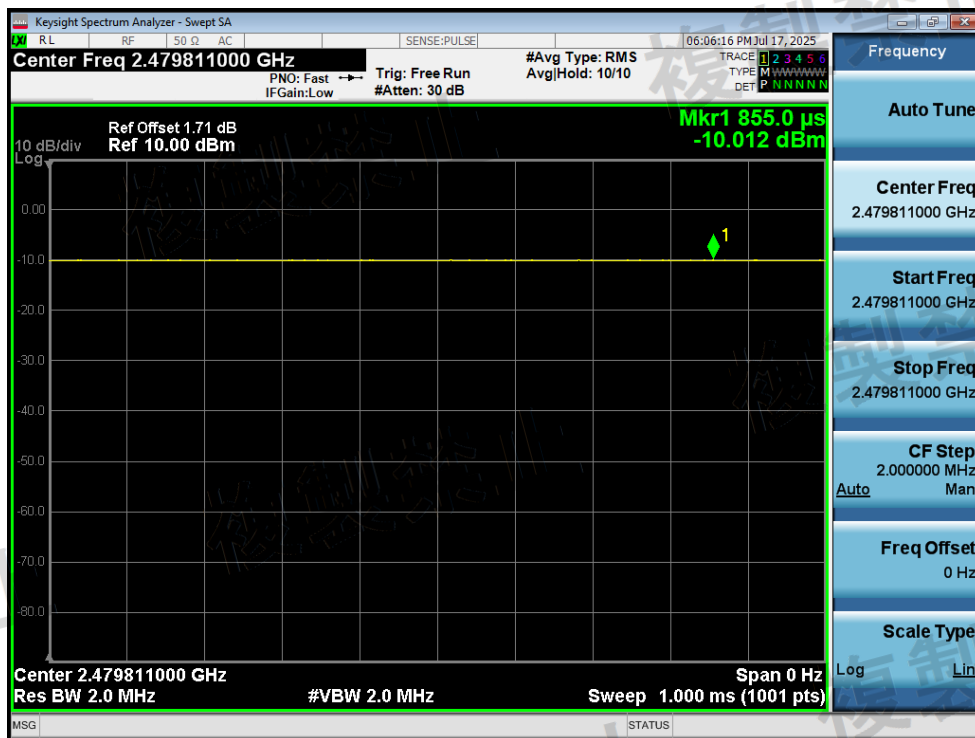
Power NVNT BLE 1M 2442MHz Ant1 Pre Scan



Power NVNT BLE 1M 2442MHz Ant1 Zero Span



Power NVNT BLE 1M 2480MHz Ant1 Pre Scan



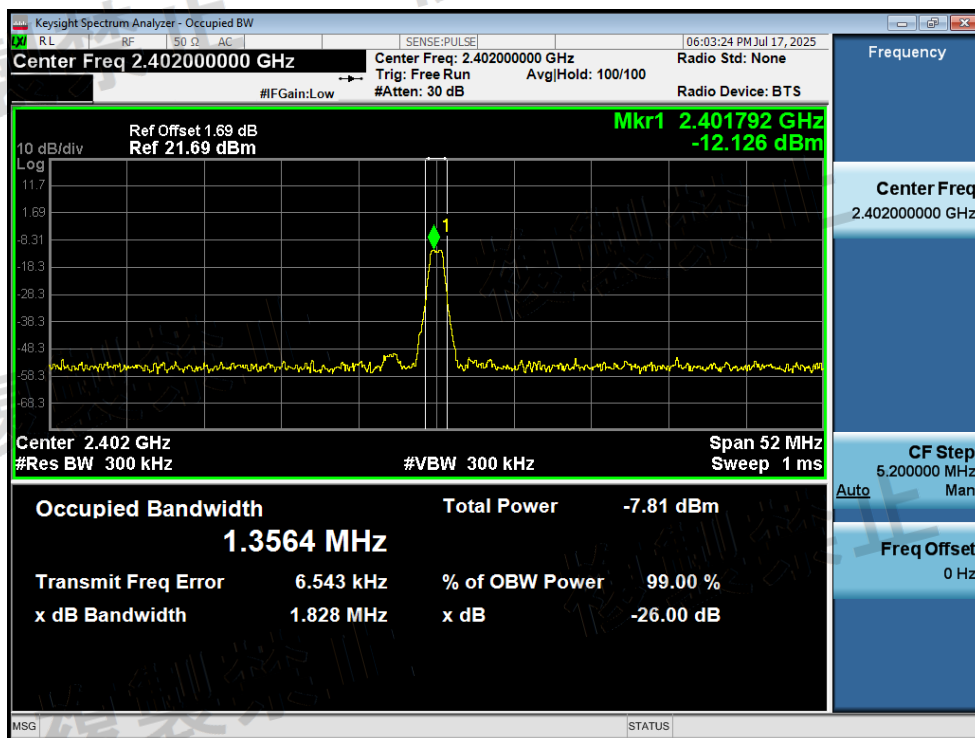
Power NVNT BLE 1M 2480MHz Ant1 Zero Span

3. EIRP Power

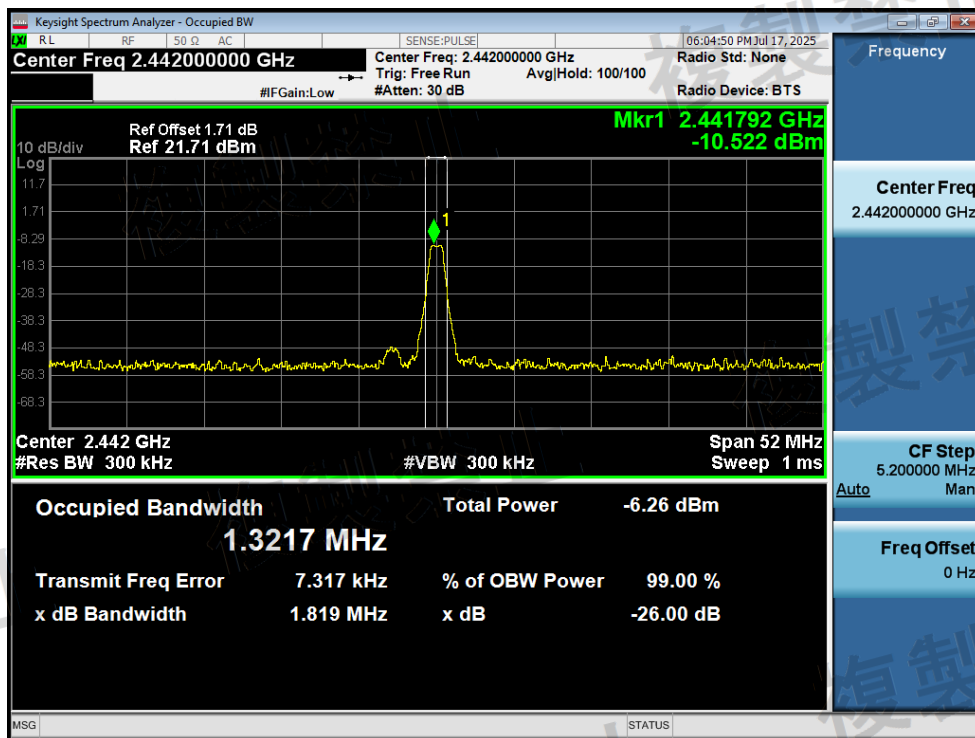
| Condition | Mode   | Frequency (MHz) | Antenna | Antenna Power (dBm) | Gain (dBi) | EIRP Power (dBm) | Limit (dBm) | Verdict |
|-----------|--------|-----------------|---------|---------------------|------------|------------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -11.96              | 2.338      | -9.62            | 12.14       | Pass    |
| NVNT      | BLE 1M | 2442            | Ant1    | -10.39              | 2.338      | -8.05            | 12.14       | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -10.01              | 2.338      | -7.67            | 12.14       | Pass    |

#### 4. Occupied Channel Bandwidth

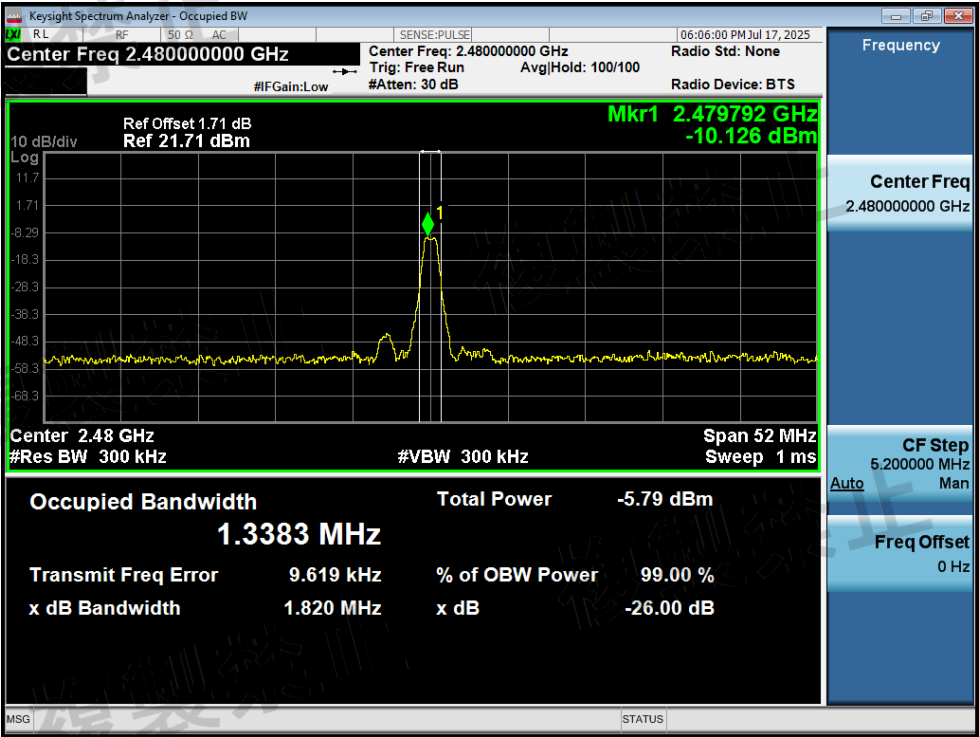
| Condition | Mode   | Frequency (MHz) | Antenna | 99% OBW (MHz) | Limit (MHz) | Verdict |
|-----------|--------|-----------------|---------|---------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 1.356         | $\leq 26$   | Pass    |
| NVNT      | BLE 1M | 2442            | Ant1    | 1.322         | $\leq 26$   | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 1.338         | $\leq 26$   | Pass    |



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2442MHz Ant1

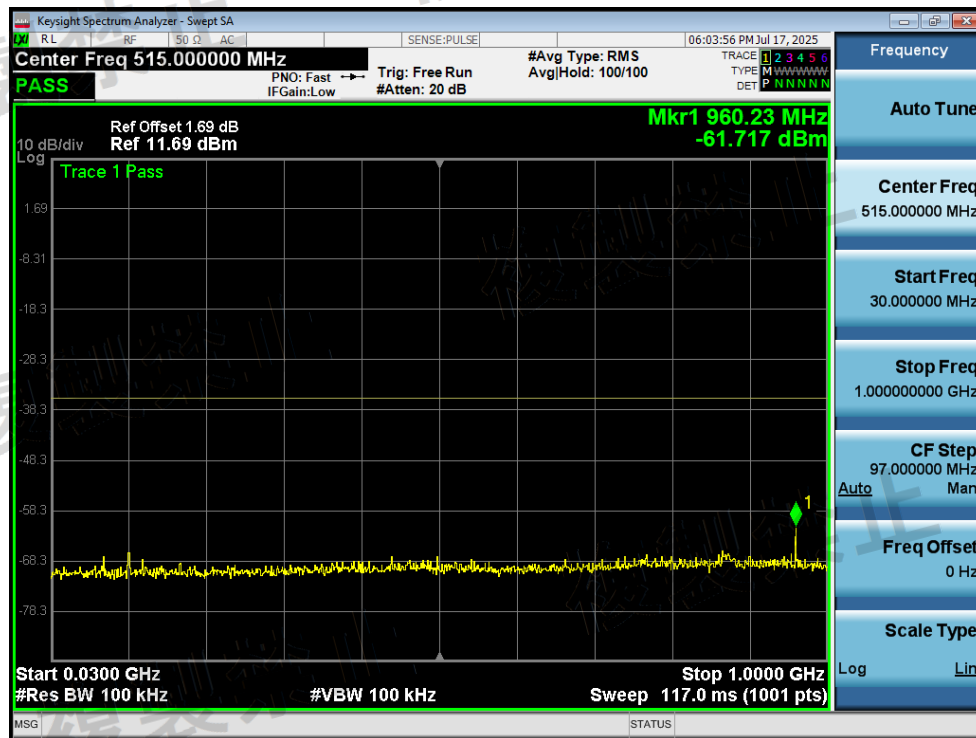


OBW NVNT BLE 1M 2480MHz Ant1

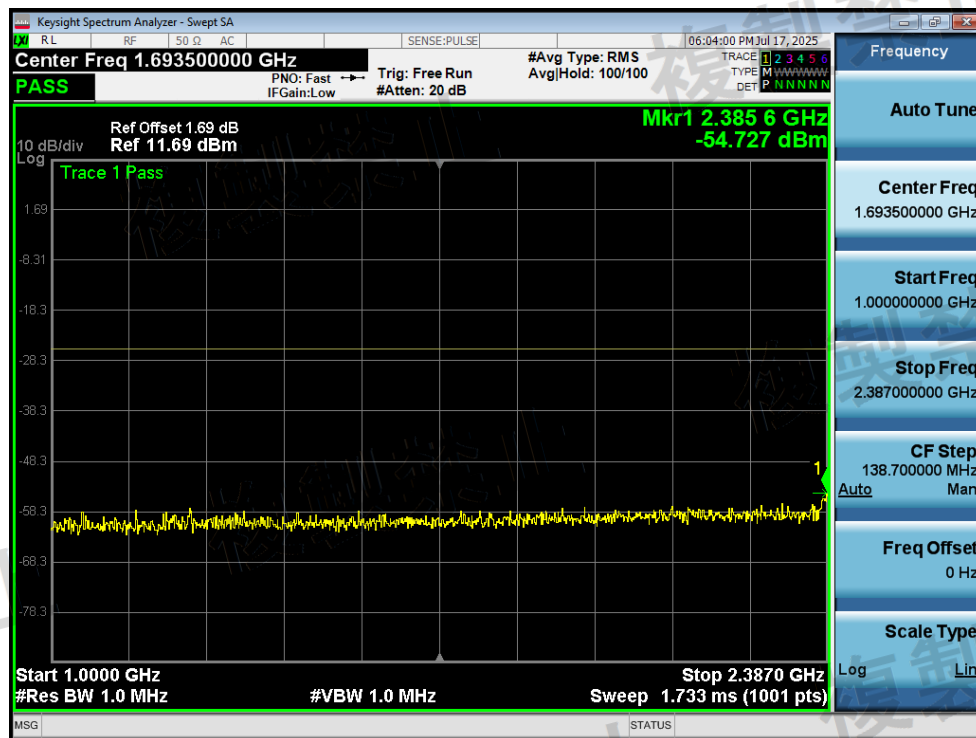
## 5. Tx Spurious Emission

| Condition | Mode   | Frequency<br>(MHz) | Antenna | Range (MHz)   | Emission<br>Frequency (MHz) | Max Value<br>(dBm) | Max Value<br>( $\mu$ W/ MHz) | Limit<br>( $\mu$ W/ MHz) | Verdict |
|-----------|--------|--------------------|---------|---------------|-----------------------------|--------------------|------------------------------|--------------------------|---------|
| NVNT      | BLE 1M | 2402               | Ant1    | 30-1000       | 960.23                      | -51.72             | 0.0067                       | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2402               | Ant1    | 1000-2387     | 2385.61                     | -54.73             | 0.0034                       | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2402               | Ant1    | 2387-2400     | 2398.9                      | -44.75             | 0.033                        | 25                       | Pass    |
| NVNT      | BLE 1M | 2402               | Ant1    | 2483.5-2496.5 | 2494.43                     | -55.45             | 0.003                        | 25                       | Pass    |
| NVNT      | BLE 1M | 2402               | Ant1    | 2496.5-13000  | 2528.01                     | -50.28             | 0.009                        | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2442               | Ant1    | 30-1000       | 960.23                      | -51.95             | 0.006                        | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2442               | Ant1    | 1000-2387     | 2345.39                     | -55.62             | 0.0027                       | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2442               | Ant1    | 2387-2400     | 2395.67                     | -56.57             | 0.0022                       | 25                       | Pass    |
| NVNT      | BLE 1M | 2442               | Ant1    | 2483.5-2496.5 | 2489.99                     | -54.73             | 0.003                        | 25                       | Pass    |
| NVNT      | BLE 1M | 2442               | Ant1    | 2496.5-13000  | 2570.02                     | -44.42             | 0.036                        | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2480               | Ant1    | 30-1000       | 960.23                      | -52.5              | 0.006                        | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2480               | Ant1    | 1000-2387     | 2352.32                     | -51.71             | 0.007                        | 2.5                      | Pass    |
| NVNT      | BLE 1M | 2480               | Ant1    | 2387-2400     | 2392.8                      | -56.16             | 0.0024                       | 25                       | Pass    |
| NVNT      | BLE 1M | 2480               | Ant1    | 2483.5-2496.5 | 2483.57                     | -50.77             | 0.0084                       | 25                       | Pass    |
| NVNT      | BLE 1M | 2480               | Ant1    | 2496.5-13000  | 2612.04                     | -44.71             | 0.034                        | 2.5                      | Pass    |

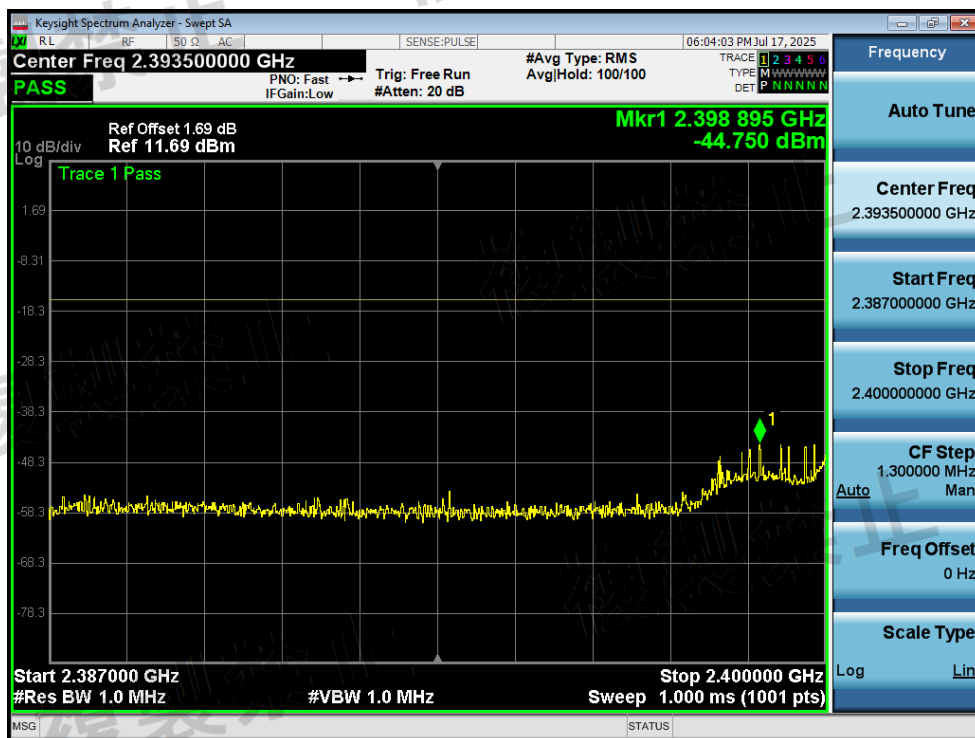
Note: For 30-1000MHz test data, the RBW of the spectrum analyzer is 100kHz, the data measured with RBW=100kHz needs to add 10dB to get the calculated data of RBW=1Mhz.



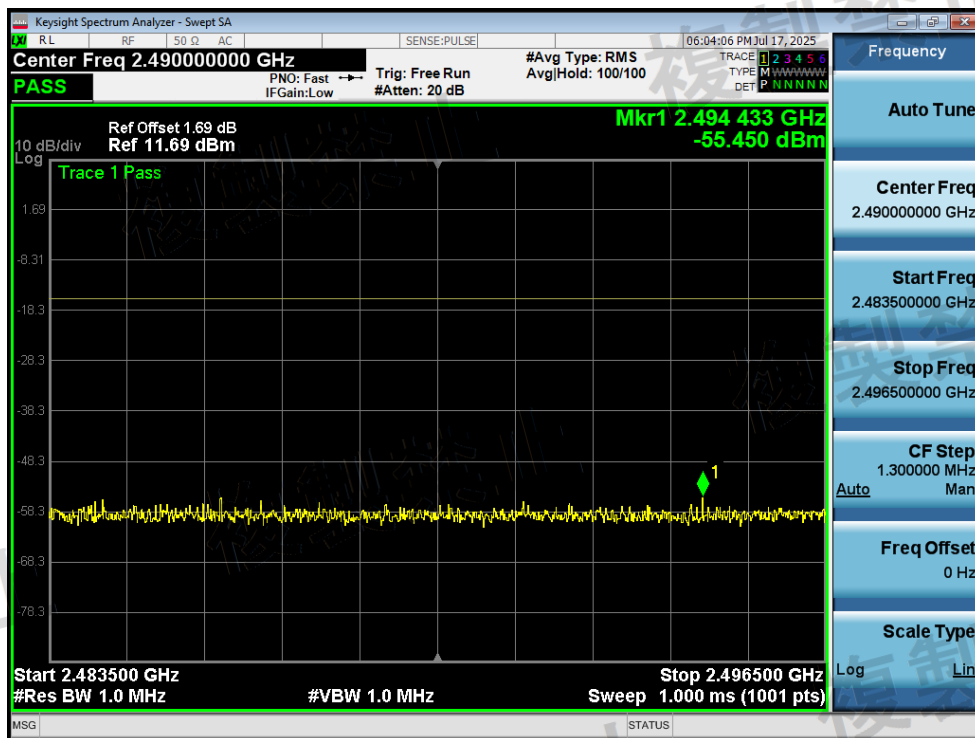
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



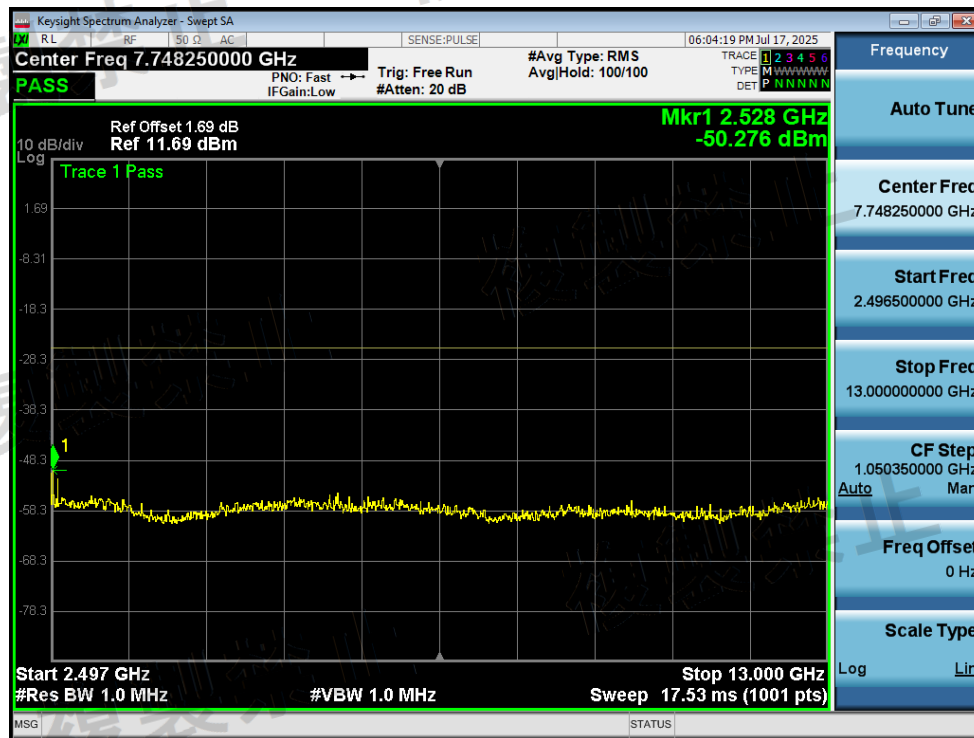
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



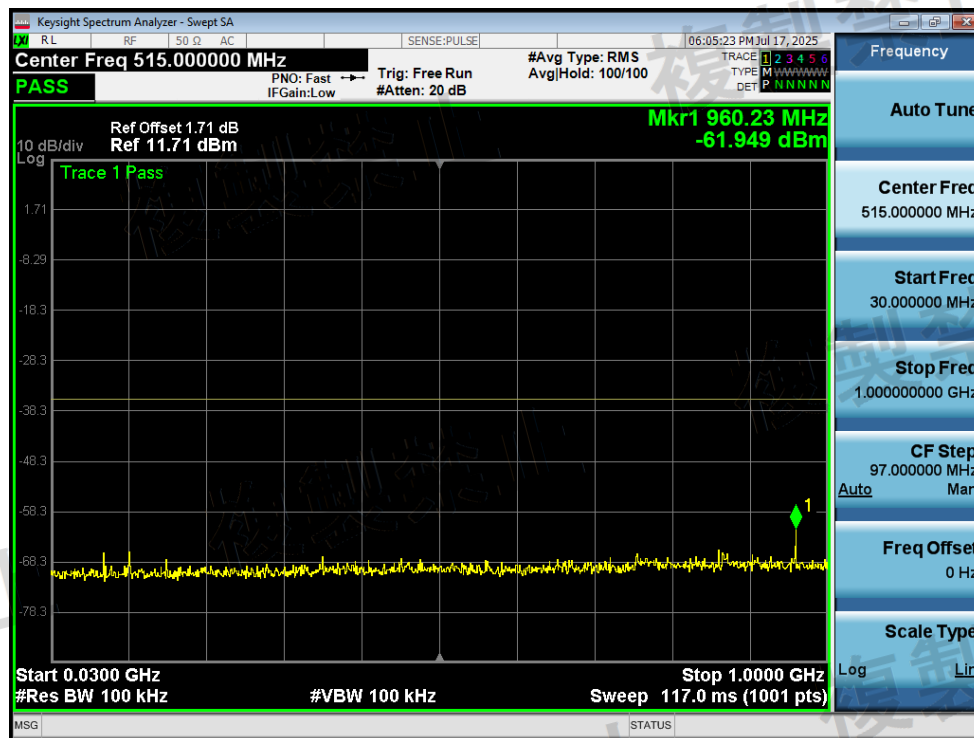
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



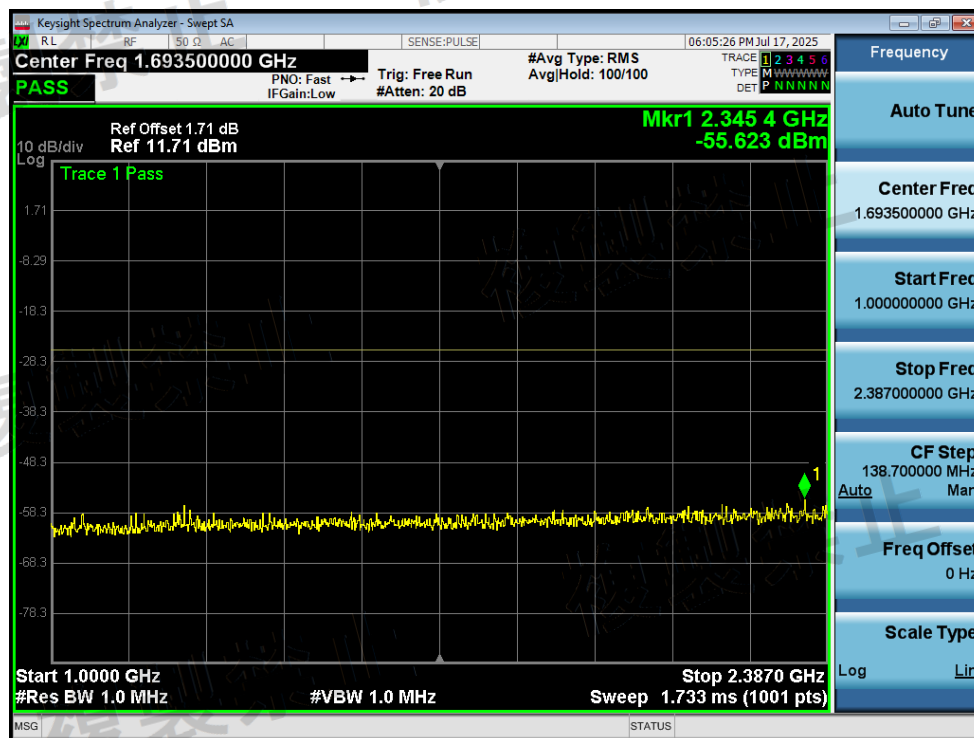
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



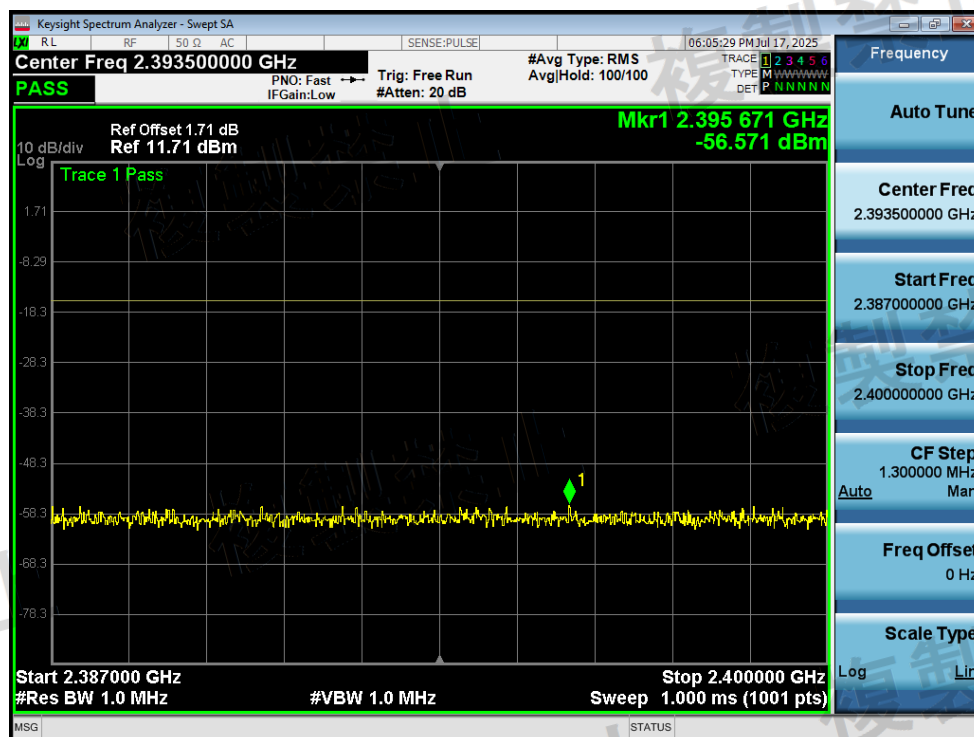
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



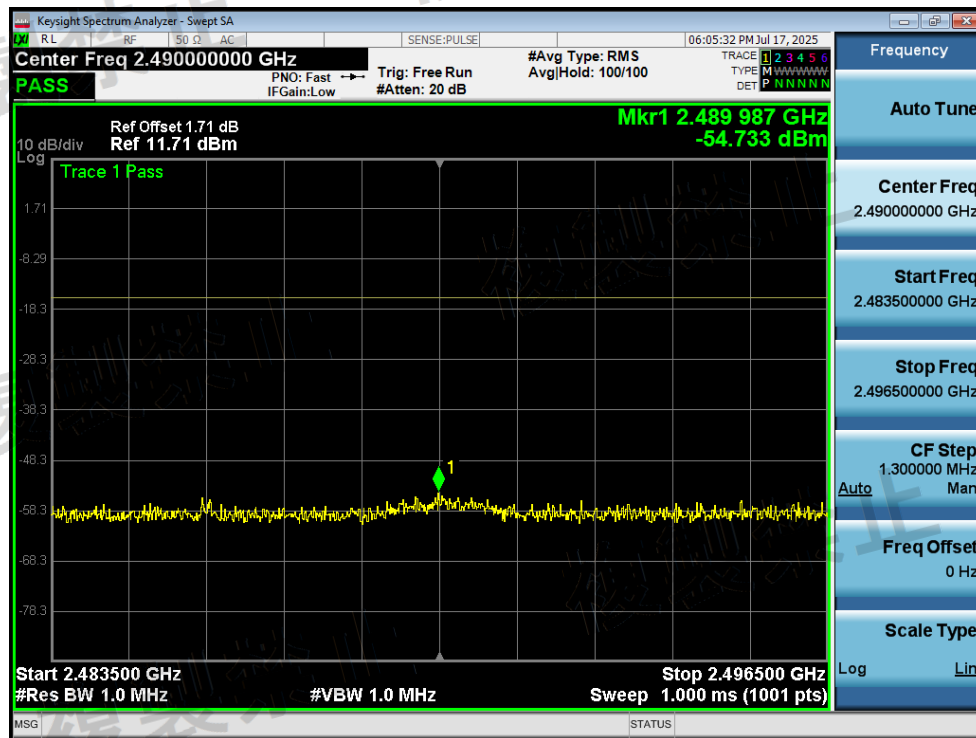
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 30MHz-1000MHz



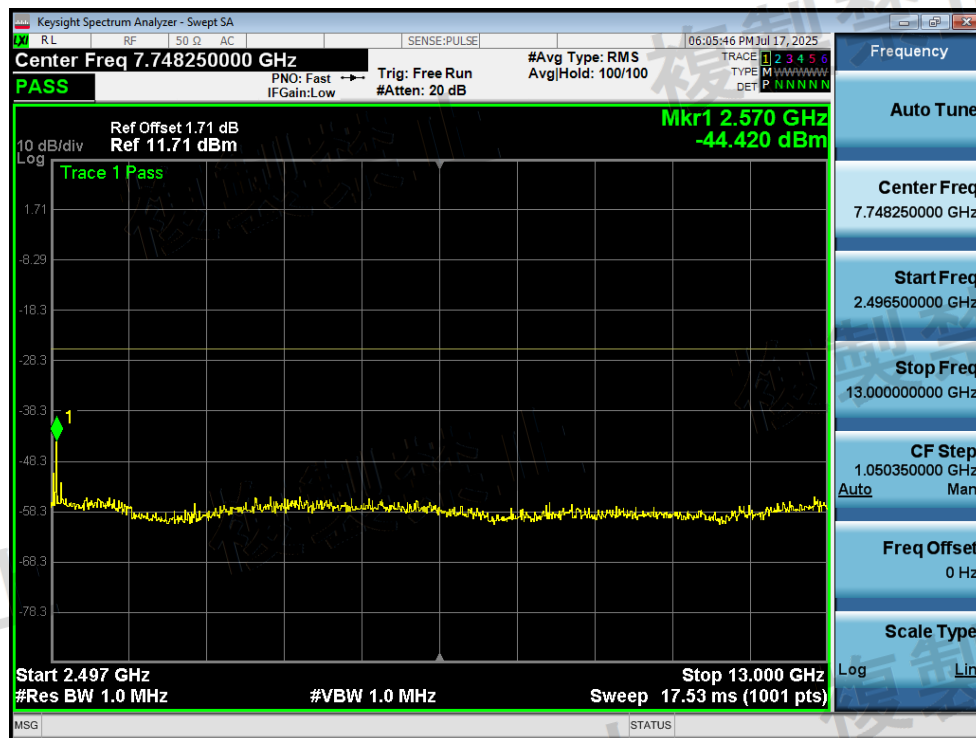
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 1000MHz-2387MHz



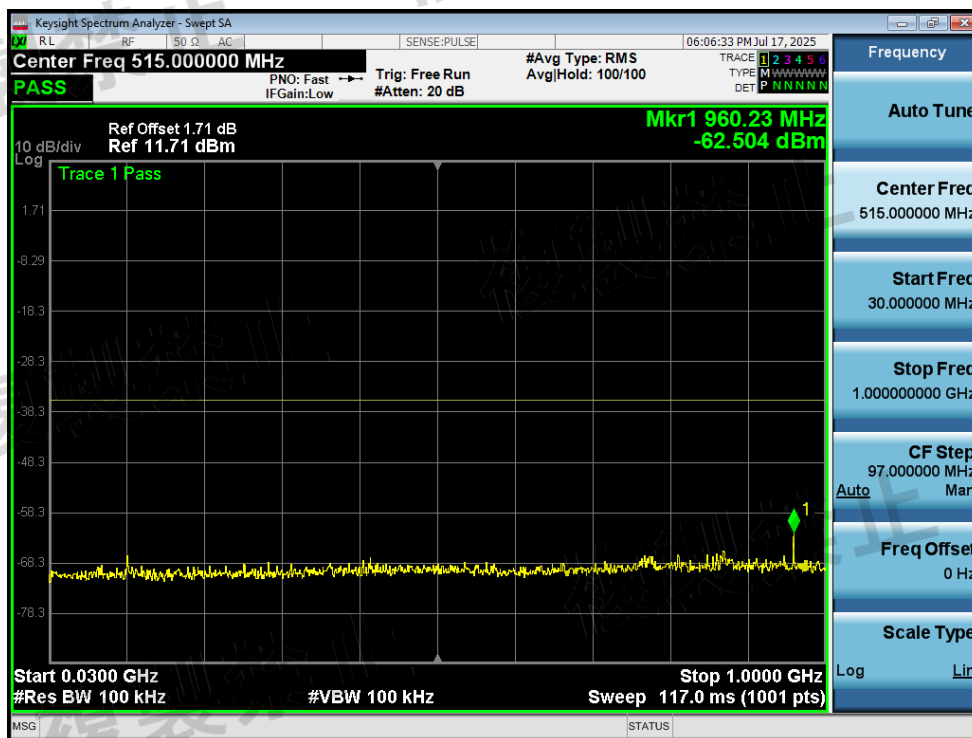
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 2387MHz-2400MHz



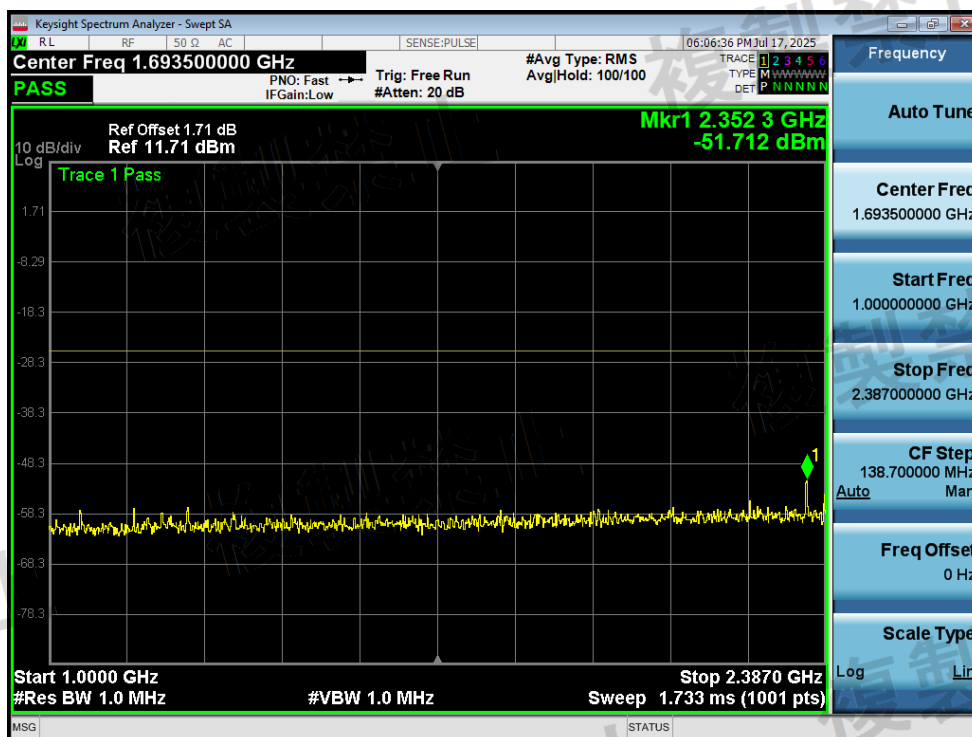
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



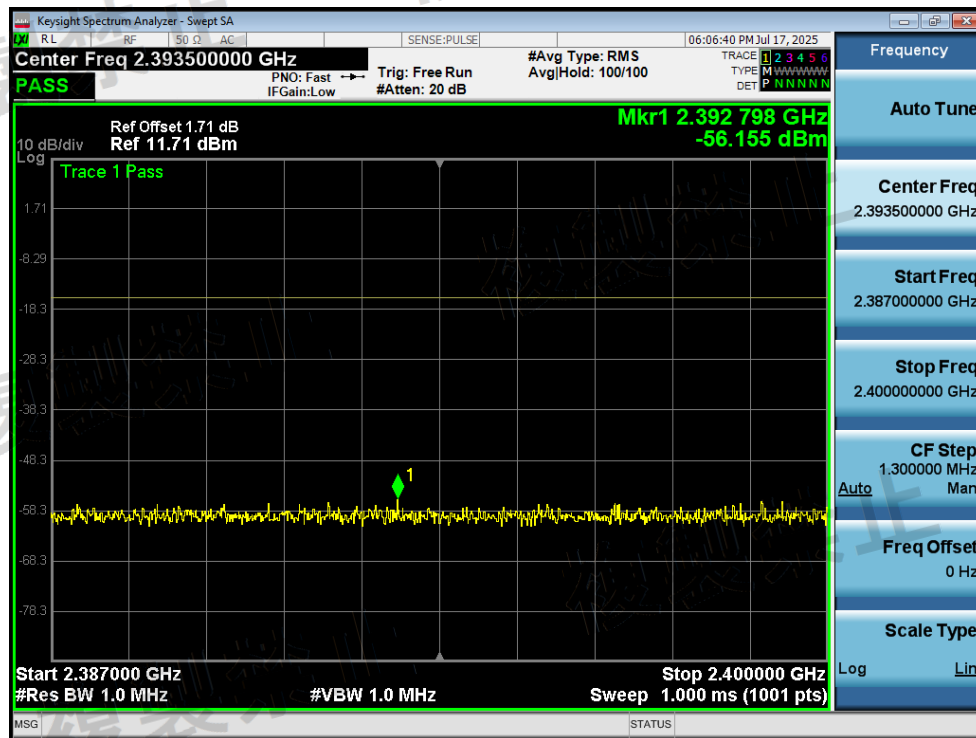
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 2496.5MHz-13000MHz



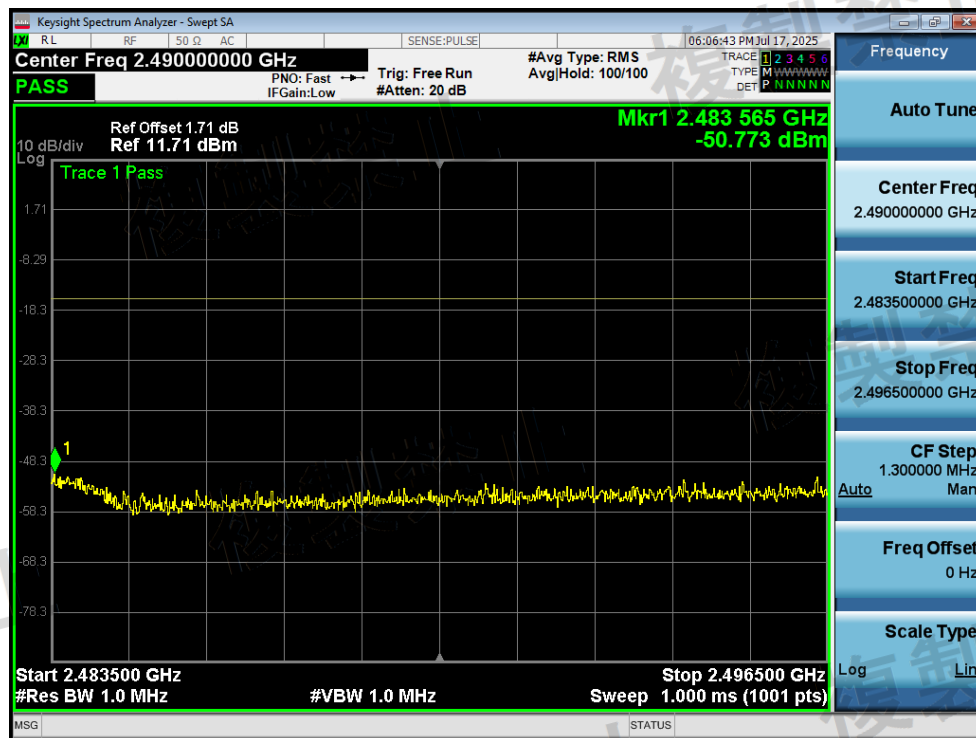
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



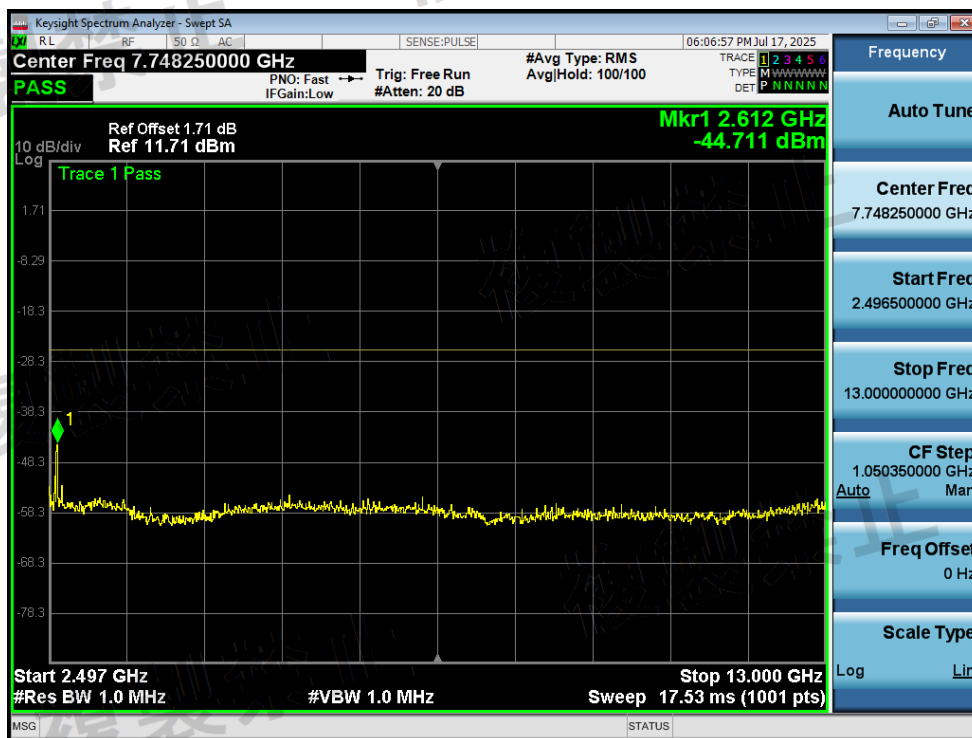
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



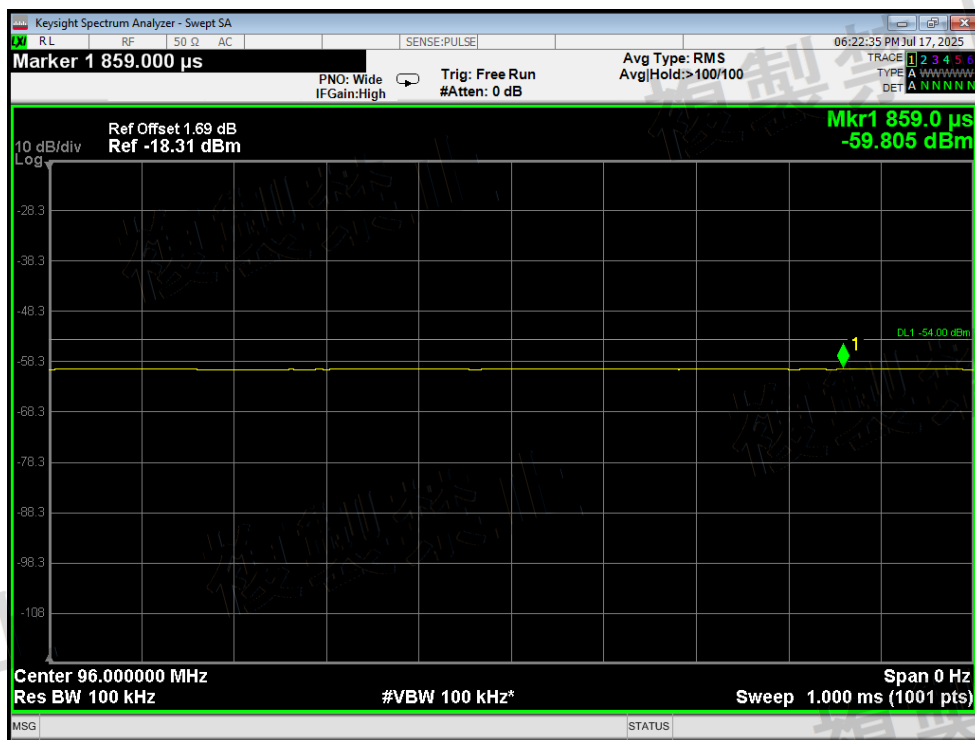
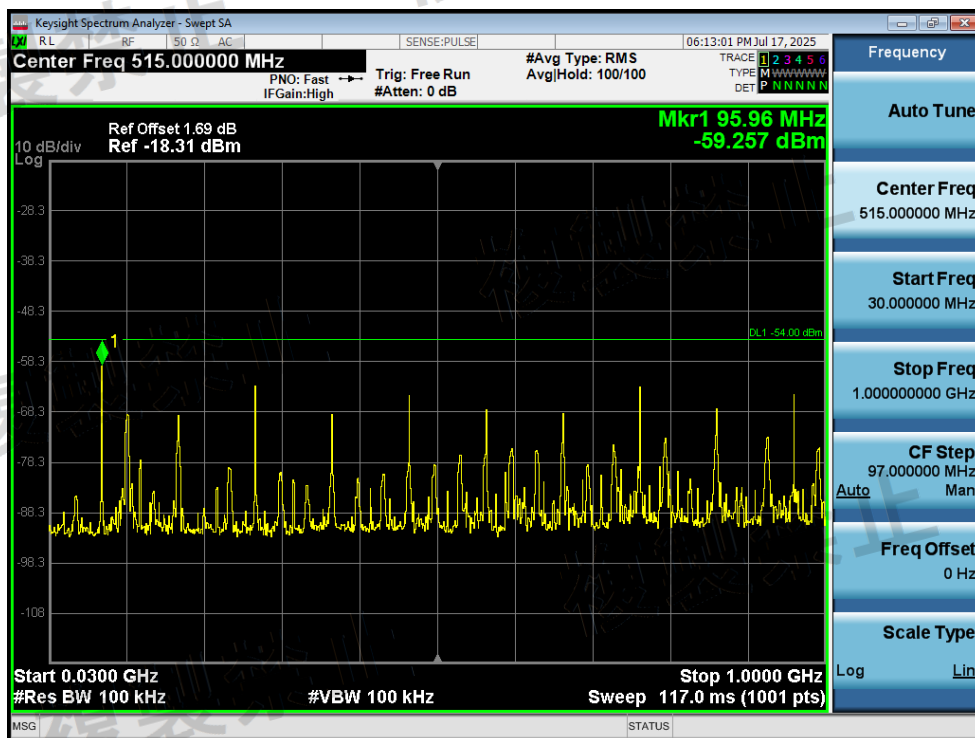
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



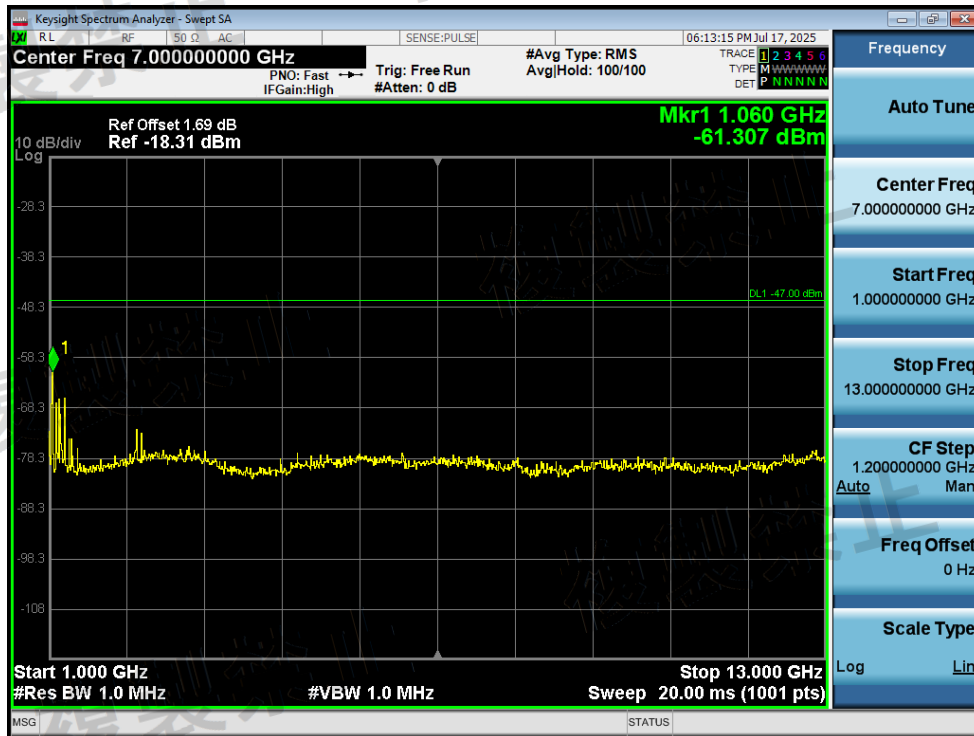
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz

6. Rx Spurious Emission

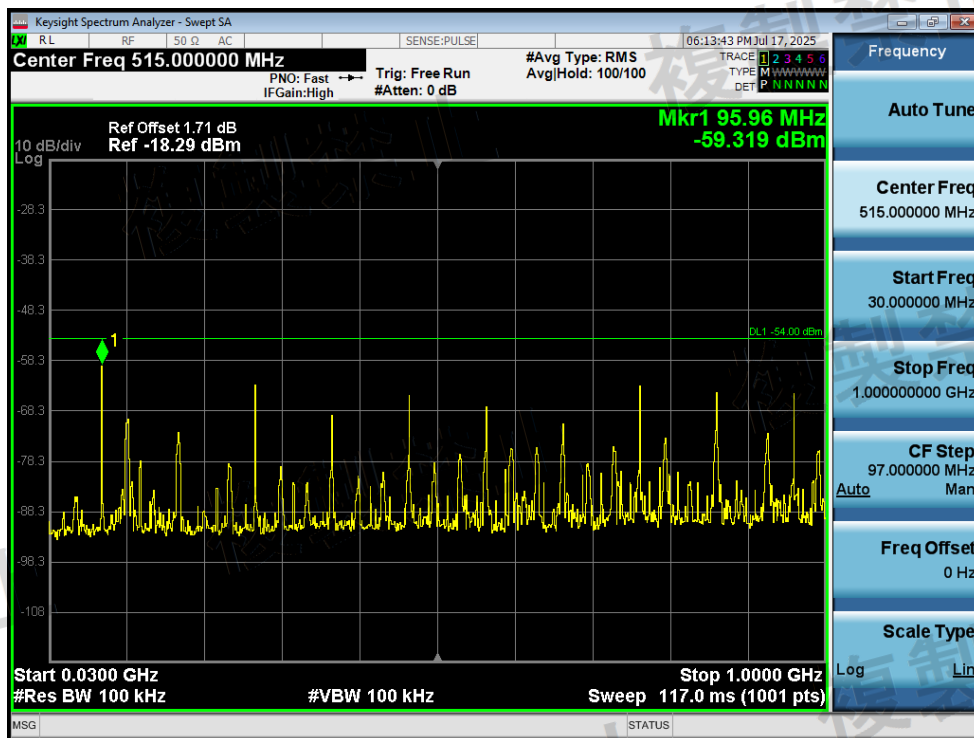
| Condition | Mode   | Frequency (MHz) | Antenna | Range (MHz) | Emission Frequency (MHz) | Max Value (dBm) | Max Value (nW) | Limit (nw) | Verdict |
|-----------|--------|-----------------|---------|-------------|--------------------------|-----------------|----------------|------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 30-1000     | 95.96                    | -59.81          | 1.045          | 4          | Pass    |
| NVNT      | BLE 1M | 2402            | Ant1    | 1000-13000  | 1060                     | -61.31          | 0.74           | 20         | Pass    |
| NVNT      | BLE 1M | 2442            | Ant1    | 30-1000     | 95.96                    | -59.77          | 1.054          | 4          | Pass    |
| NVNT      | BLE 1M | 2442            | Ant1    | 1000-13000  | 1060                     | -64.51          | 0.35           | 20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 30-1000     | 95.96                    | -59.68          | 1.076          | 4          | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 1000-13000  | 1252                     | -65.8           | 0.26           | 20         | Pass    |

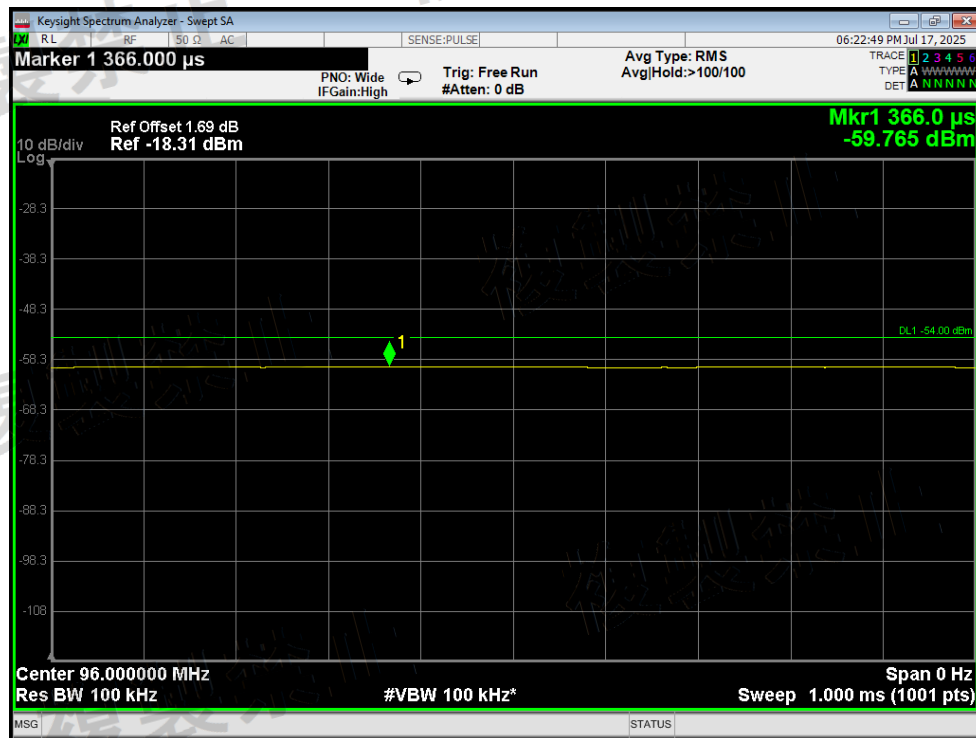


Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz

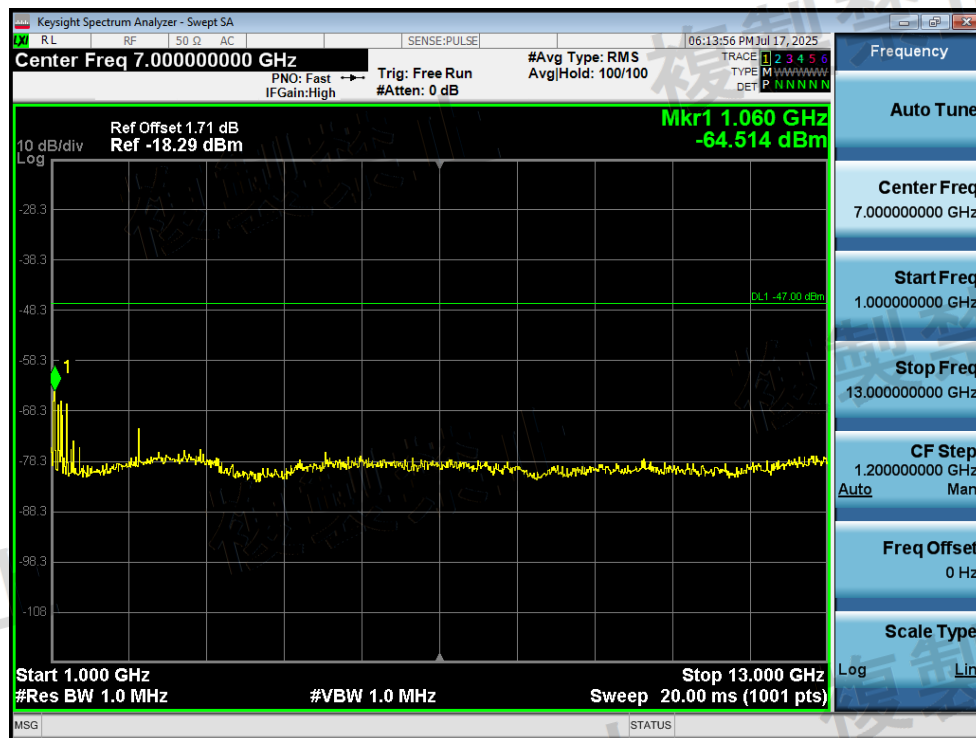


Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz

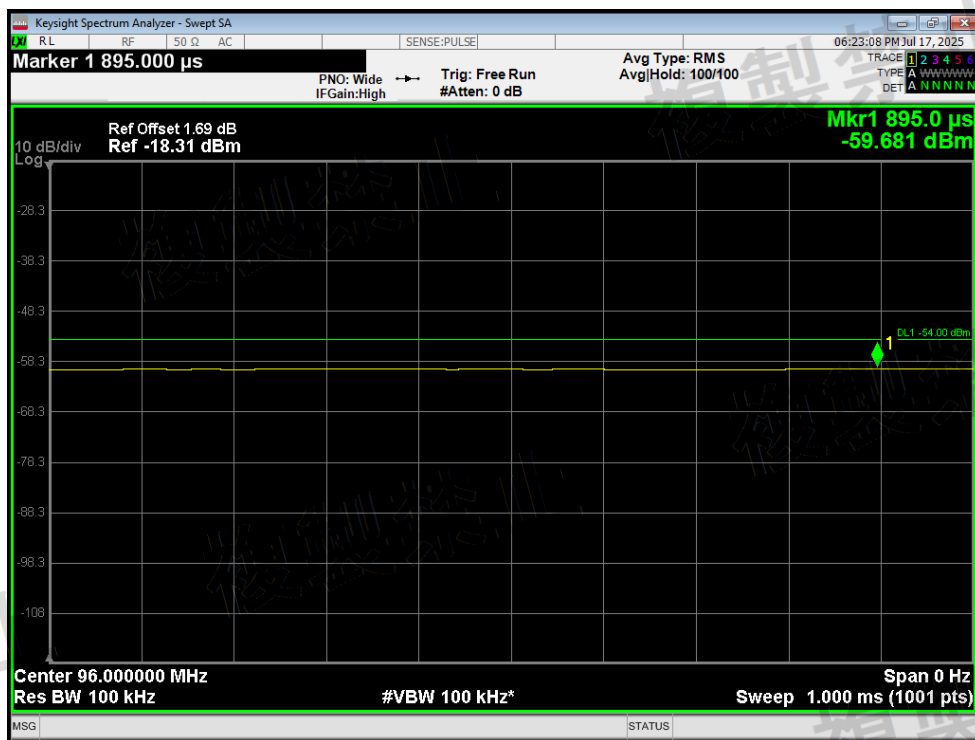
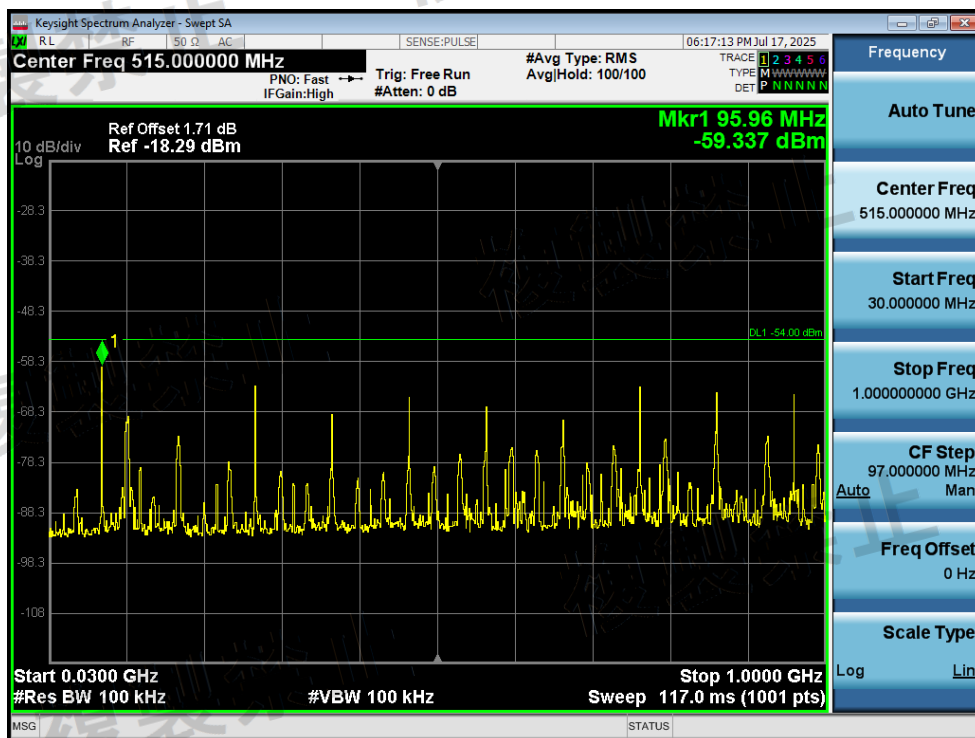




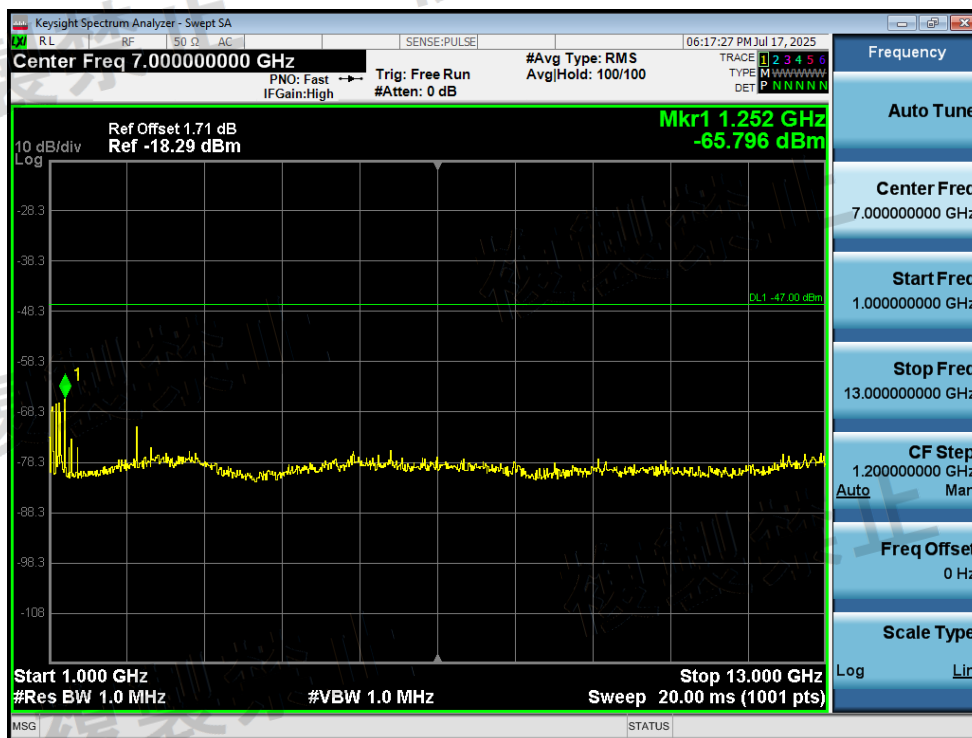
Rx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz