



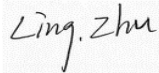
## Appendix A

### RF Test Data for BT V5.0 (DSS) (Conducted Measurement)

Product Name: Tablet

Test Model: 8LA1

#### Environmental Conditions

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Temperature:       | 22.5℃                                                                                           |
| Relative Humidity: | 53.1%                                                                                           |
| ATM Pressure:      | 100.0 kPa                                                                                       |
| Test Engineer:     | <br>Ling Zhu  |
| Supervised by:     | <br>Li Huan |



## A.1 20dB Emission Bandwidth

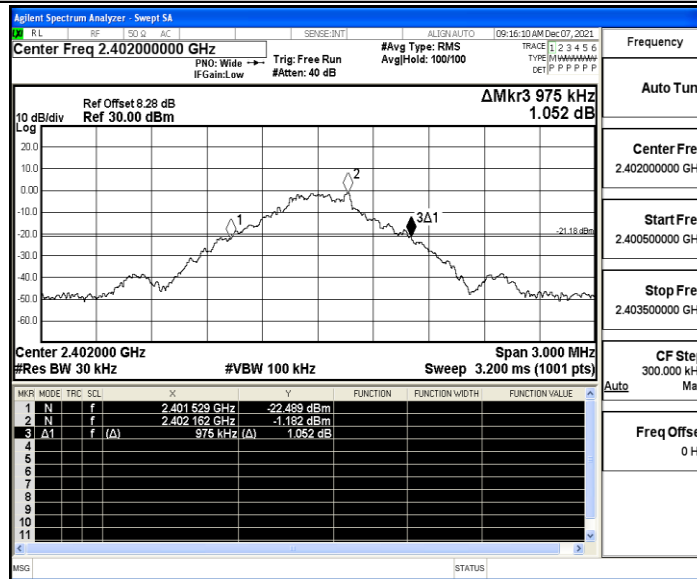
### Test Result

| TestMode | Antenna | Channel | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402    | 0.975         | 2401.529 | 2402.504 | ---        | PASS    |
|          |         | 2441    | 1.029         | 2440.460 | 2441.489 | ---        | PASS    |
|          |         | 2480    | 1.023         | 2479.469 | 2480.492 | ---        | PASS    |
| 2DH5     | Ant1    | 2402    | 1.332         | 2401.331 | 2402.663 | ---        | PASS    |
|          |         | 2441    | 1.296         | 2440.358 | 2441.654 | ---        | PASS    |
|          |         | 2480    | 1.317         | 2479.340 | 2480.657 | ---        | PASS    |
| 3DH5     | Ant1    | 2402    | 1.347         | 2401.322 | 2402.669 | ---        | PASS    |
|          |         | 2441    | 1.317         | 2440.340 | 2441.657 | ---        | PASS    |
|          |         | 2480    | 1.290         | 2479.349 | 2480.639 | ---        | PASS    |

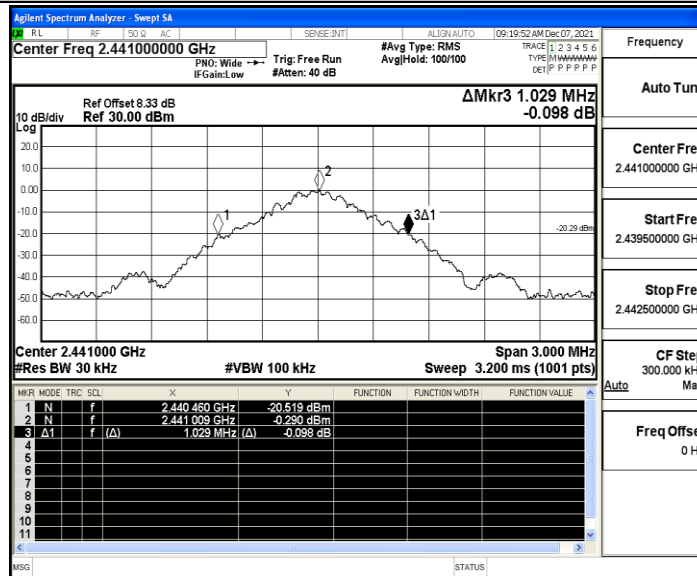


## Test Graphs

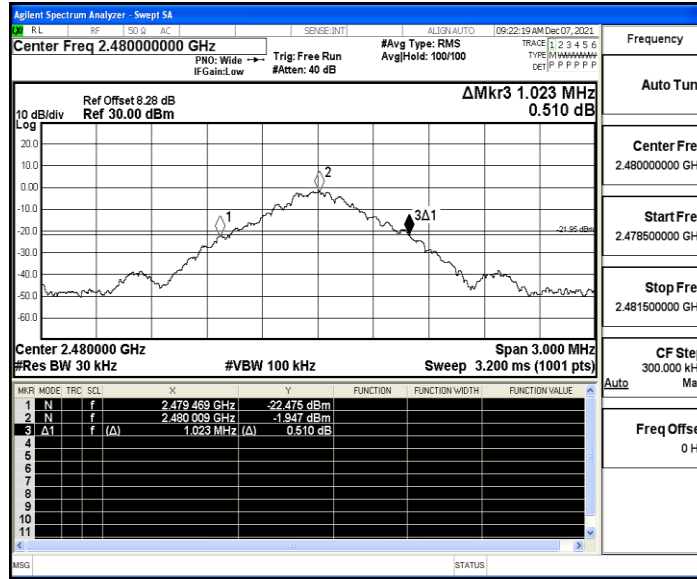
DH5\_Ant1\_2402



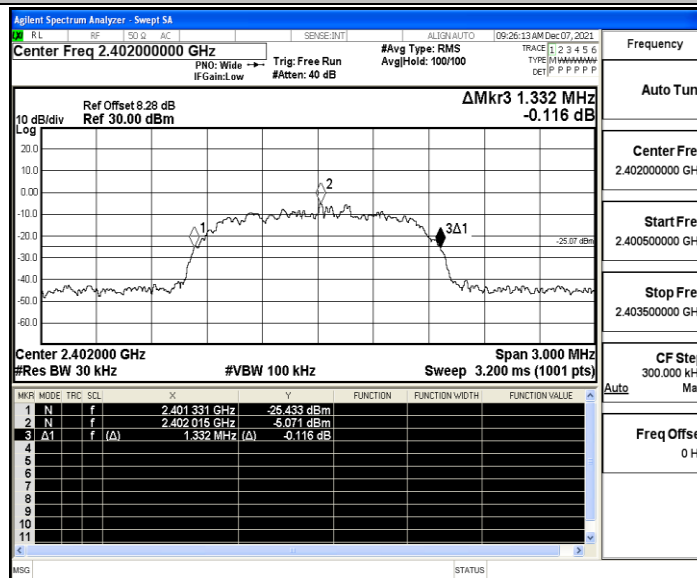
DH5\_Ant1\_2441



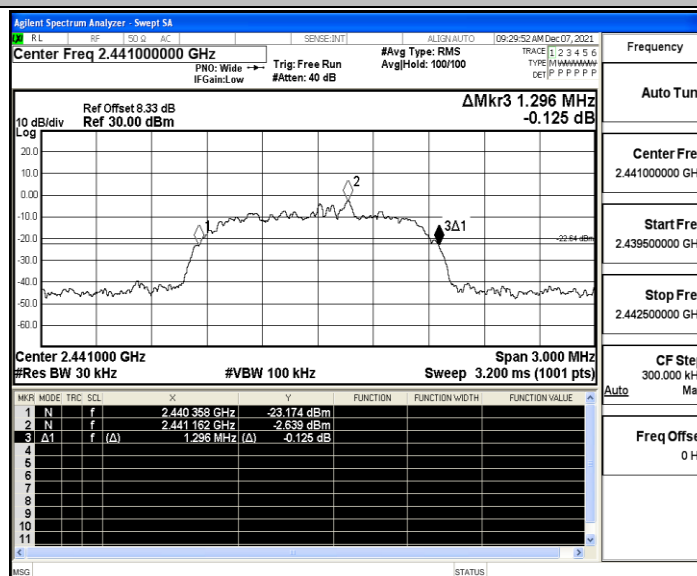
DH5\_Ant1\_2480



2DH5\_Ant1\_2402

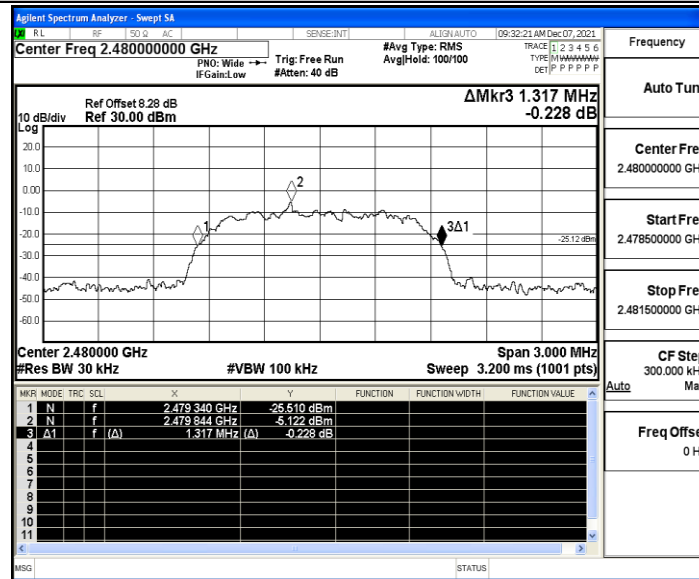


2DH5\_Ant1\_2441

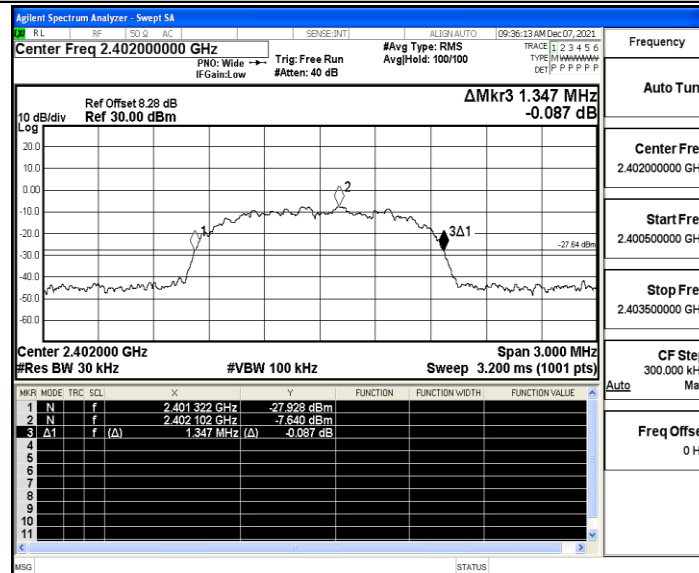




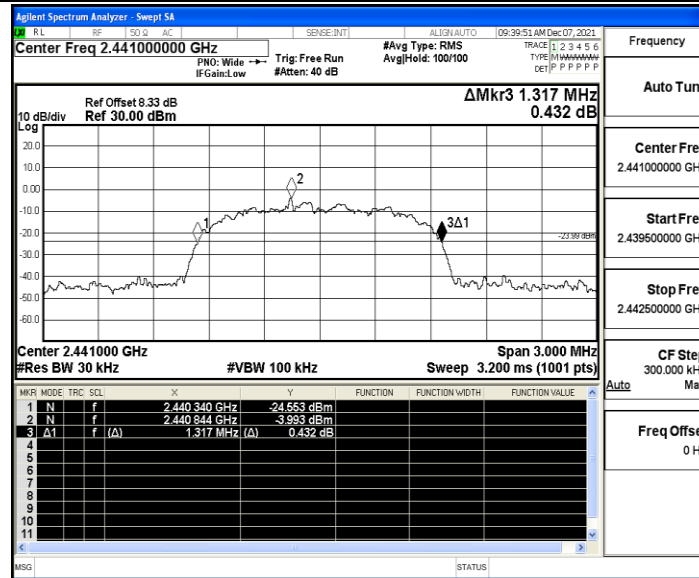
## 2DH5\_Ant1\_2480



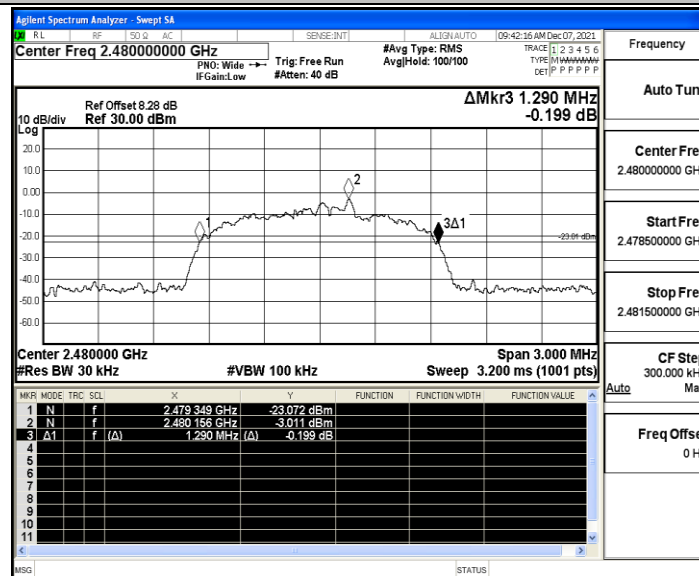
## 3DH5\_Ant1\_2402



## 3DH5\_Ant1\_2441



## 3DH5\_Ant1\_2480





## A.2 Maximum peak conducted output power

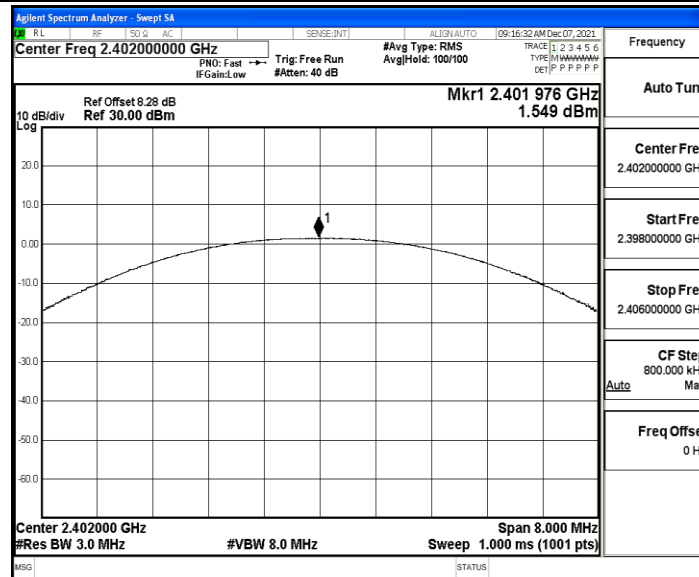
### Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH5      | Ant1    | 2402    | 1.55        | $\leq 20.97$ | PASS    |
|          |         | 2441    | 2.58        | $\leq 20.97$ | PASS    |
|          |         | 2480    | 1.00        | $\leq 20.97$ | PASS    |
| 2DH5     | Ant1    | 2402    | 0.57        | $\leq 20.97$ | PASS    |
|          |         | 2441    | 1.67        | $\leq 20.97$ | PASS    |
|          |         | 2480    | 0.15        | $\leq 20.97$ | PASS    |
| 3DH5     | Ant1    | 2402    | 0.85        | $\leq 20.97$ | PASS    |
|          |         | 2441    | 1.85        | $\leq 20.97$ | PASS    |
|          |         | 2480    | 0.26        | $\leq 20.97$ | PASS    |

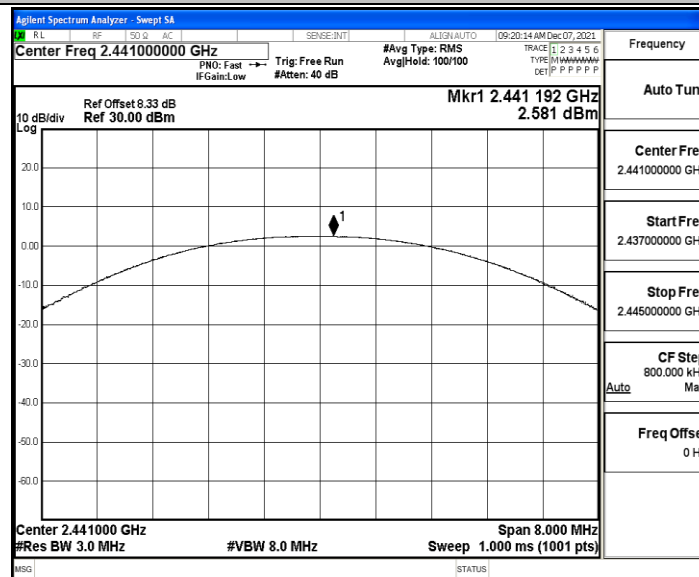


## Test Graphs

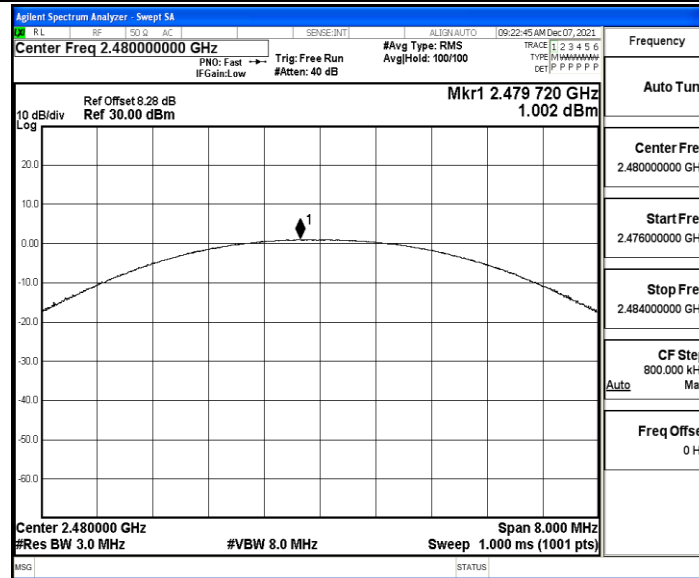
DH5\_Ant1\_2402



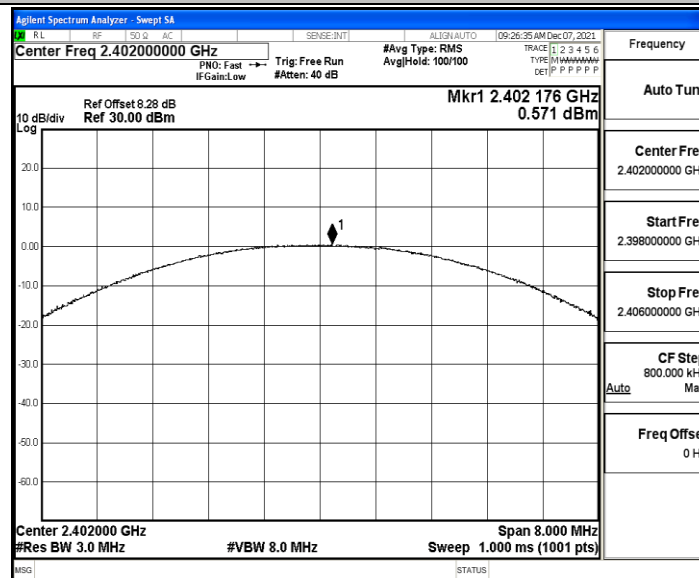
DH5\_Ant1\_2441



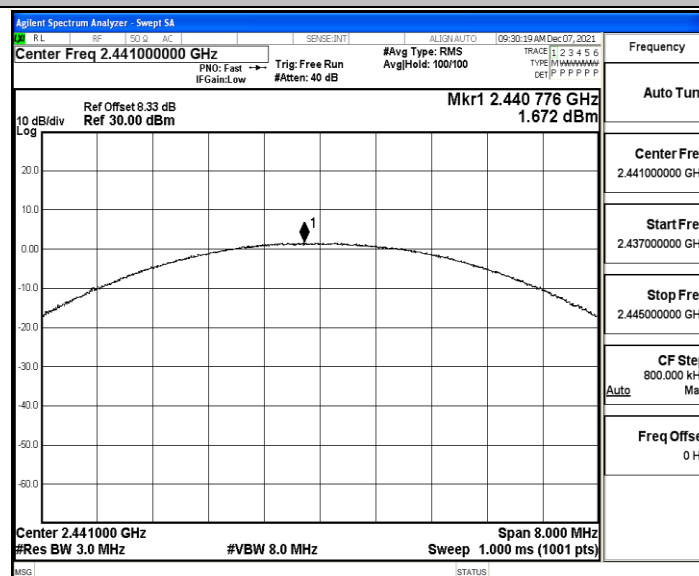
DH5\_Ant1\_2480



2DH5\_Ant1\_2402

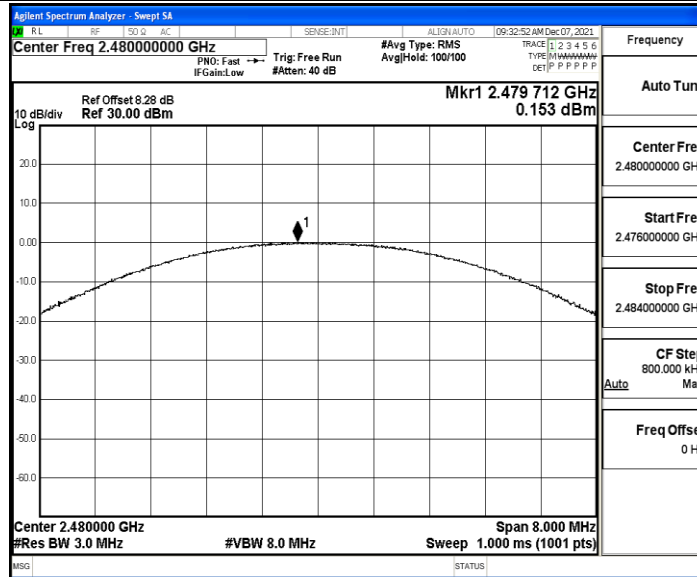


2DH5\_Ant1\_2441

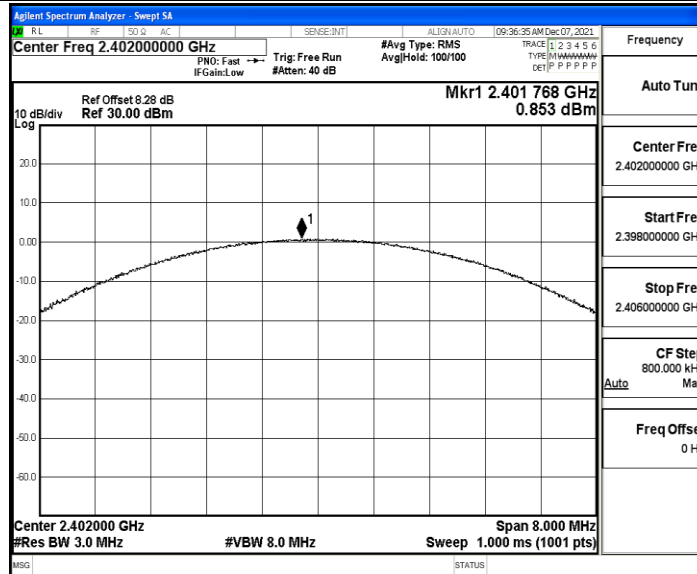




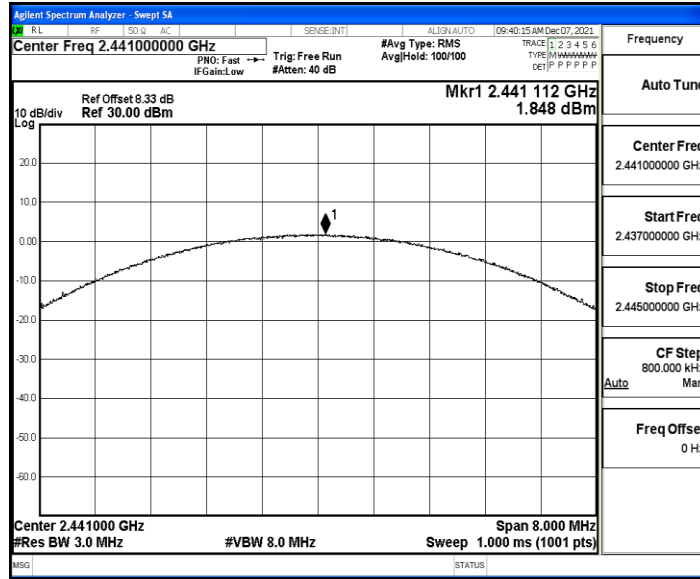
## 2DH5\_Ant1\_2480



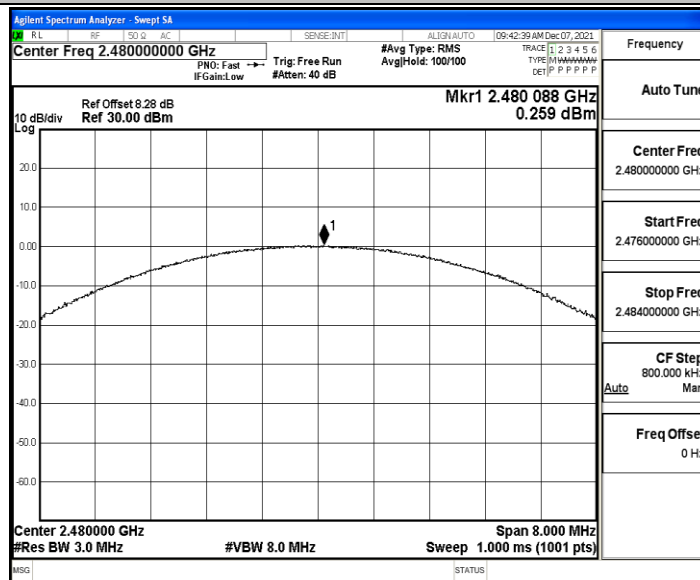
## 3DH5\_Ant1\_2402



## 3DH5\_Ant1\_2441



## 3DH5\_Ant1\_2480





## A.3 Carrier frequency separation

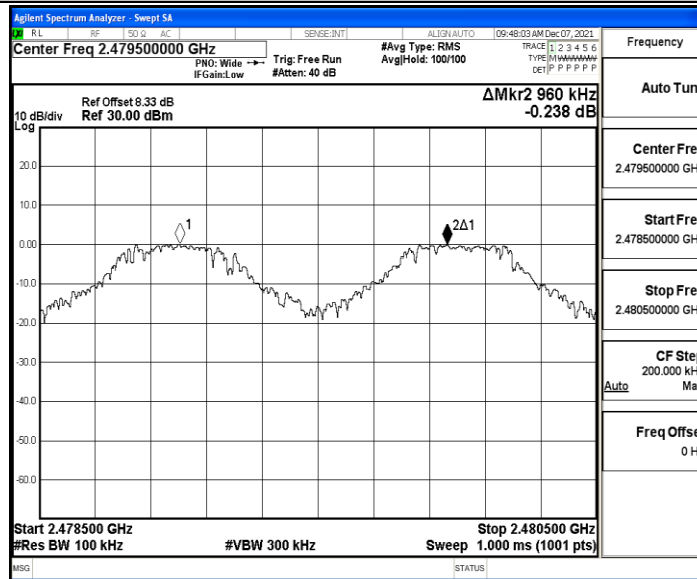
### Test Result

| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH5      | Ant1    | Hop     | 0.96        | $\geq 0.686$ | PASS    |
| 2DH5     | Ant1    | Hop     | 0.964       | $\geq 0.888$ | PASS    |
| 3DH5     | Ant1    | Hop     | 1.096       | $\geq 0.898$ | PASS    |

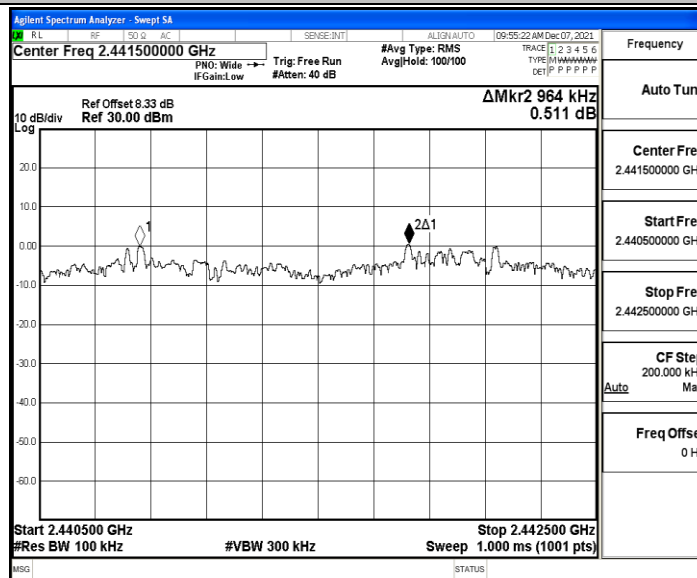


## Test Graphs

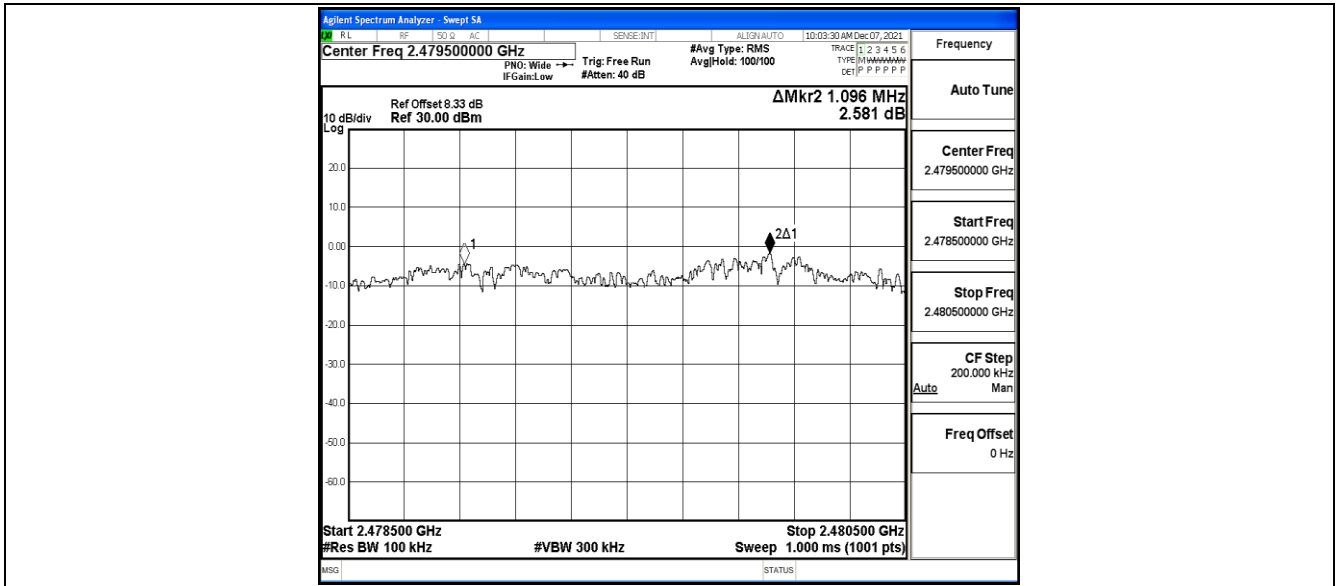
DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop

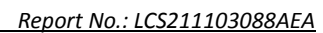


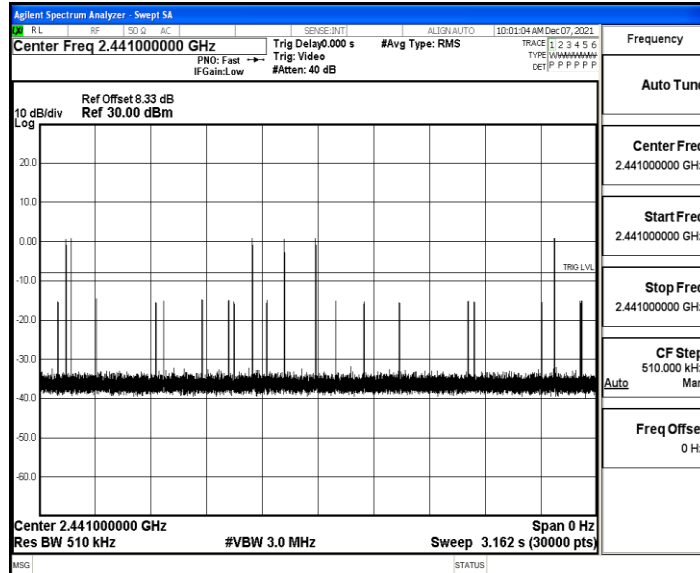
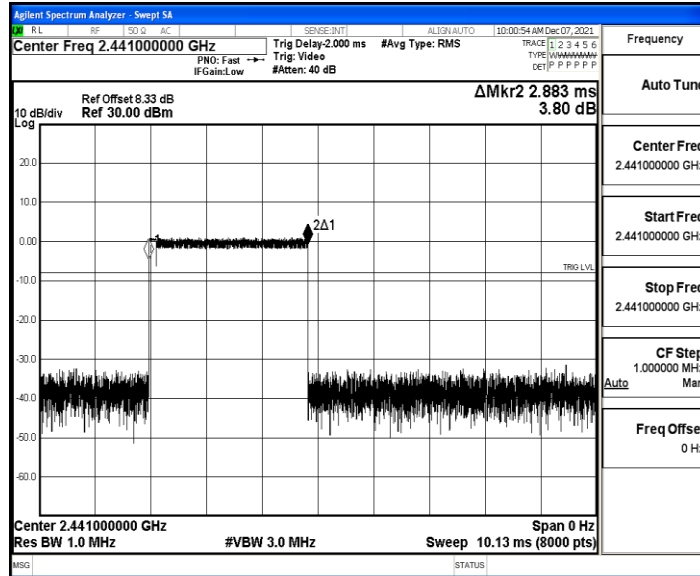


## A.4 Time of occupancy

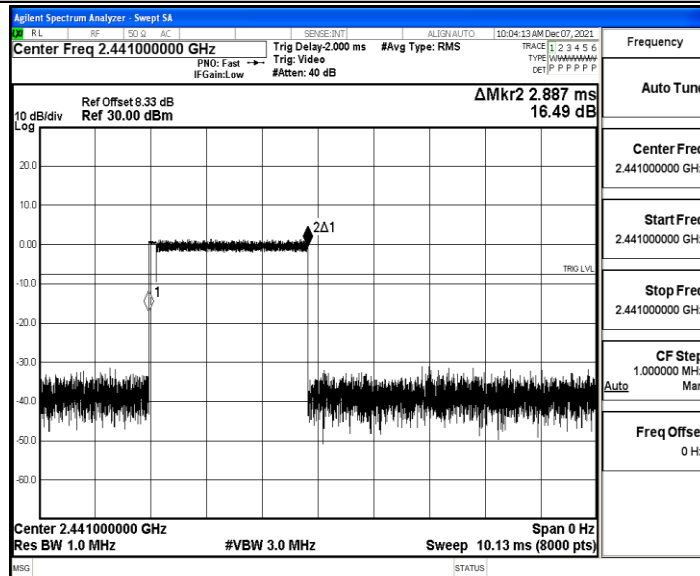
### Test Result

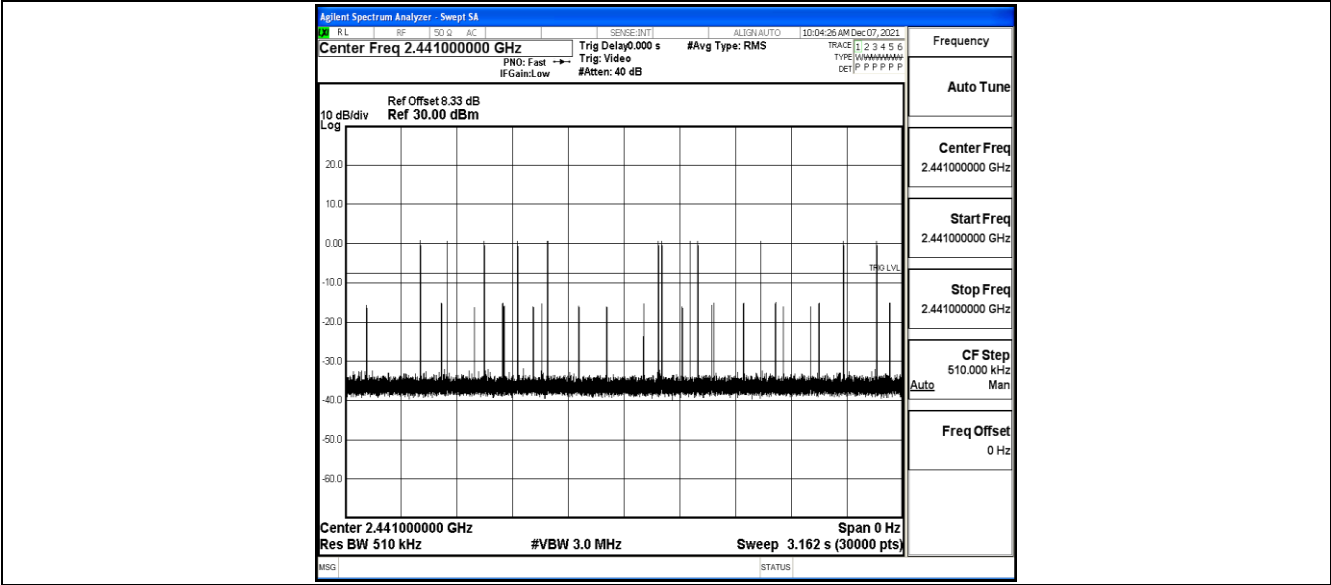
| TestMode | Antenna | Channel | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop     | 2.88               | 100                | 0.288     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop     | 2.88               | 102                | 0.294     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop     | 2.89               | 130                | 0.376     | ≤0.4     | PASS    |





## 3DH5\_Ant1\_Hop







## A.5 Number of hopping channels

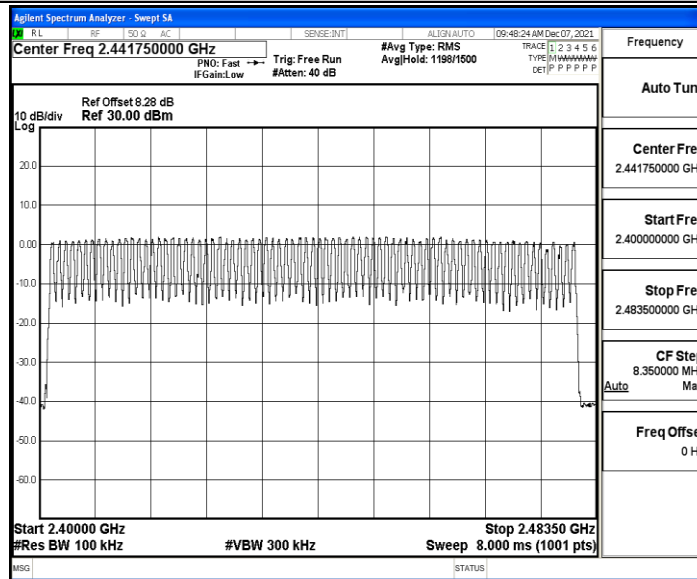
### Test Result

| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |
| 2DH5     | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |
| 3DH5     | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |

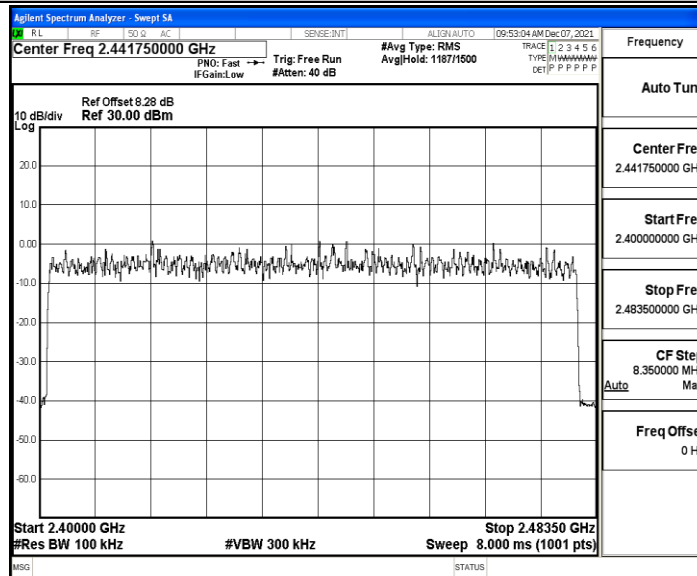


## Test Graphs

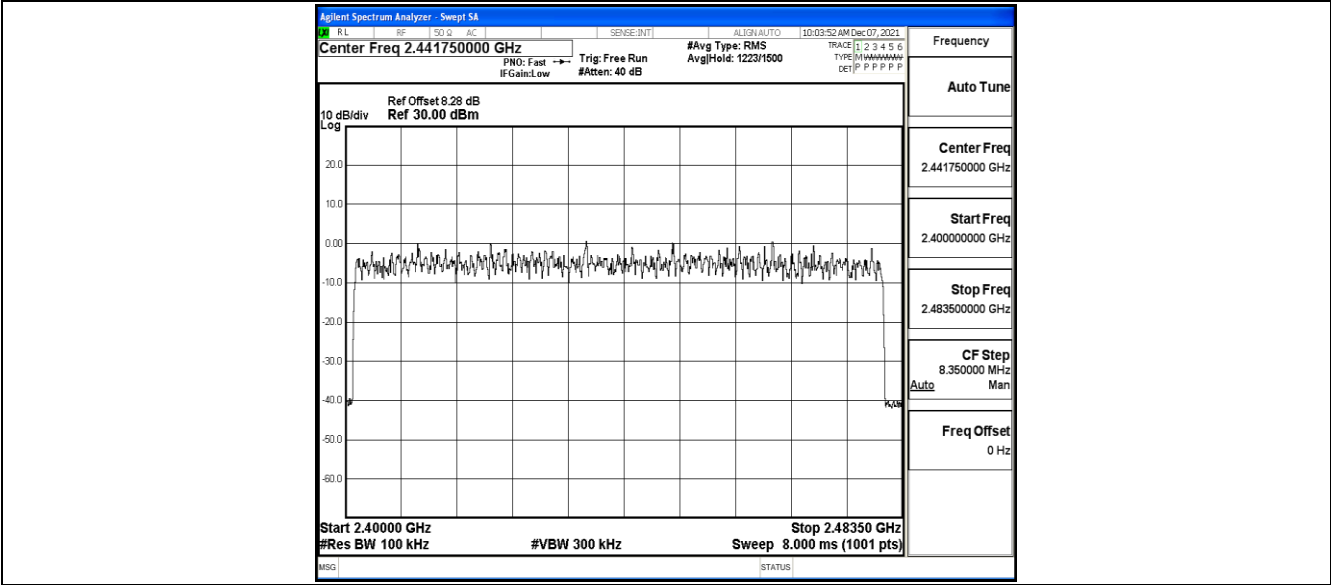
DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop





## A.6 Band edge measurements

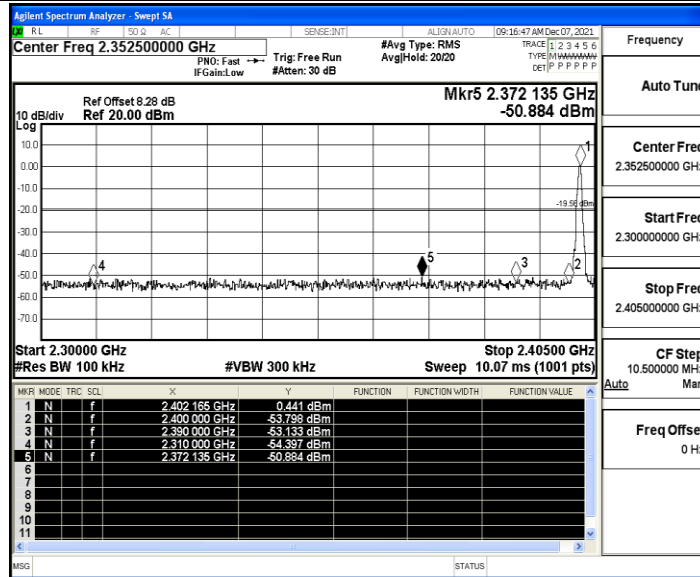
### Test Result

| TestMode | Antenna | ChName | Channel  | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|----------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402     | 0.44              | -50.88          | $\leq -19.56$  | PASS    |
|          |         | High   | 2480     | -0.19             | -49.96          | $\leq -20.19$  | PASS    |
|          |         | Low    | Hop_2402 | 0.90              | -49.01          | $\leq -19.1$   | PASS    |
|          |         | High   | Hop_2480 | 0.79              | -48.52          | $\leq -19.21$  | PASS    |
| 2DH5     | Ant1    | Low    | 2402     | -0.60             | -50.45          | $\leq -20.6$   | PASS    |
|          |         | High   | 2480     | -4.32             | -49.56          | $\leq -24.32$  | PASS    |
|          |         | Low    | Hop_2402 | -3.97             | -49.67          | $\leq -23.97$  | PASS    |
|          |         | High   | Hop_2480 | -2.02             | -48.19          | $\leq -22.02$  | PASS    |
| 3DH5     | Ant1    | Low    | 2402     | -3.81             | -49.54          | $\leq -23.81$  | PASS    |
|          |         | High   | 2480     | -2.27             | -48.97          | $\leq -22.27$  | PASS    |
|          |         | Low    | Hop_2402 | -3.82             | -49.48          | $\leq -23.82$  | PASS    |
|          |         | High   | Hop_2480 | -1.40             | -47.85          | $\leq -21.4$   | PASS    |

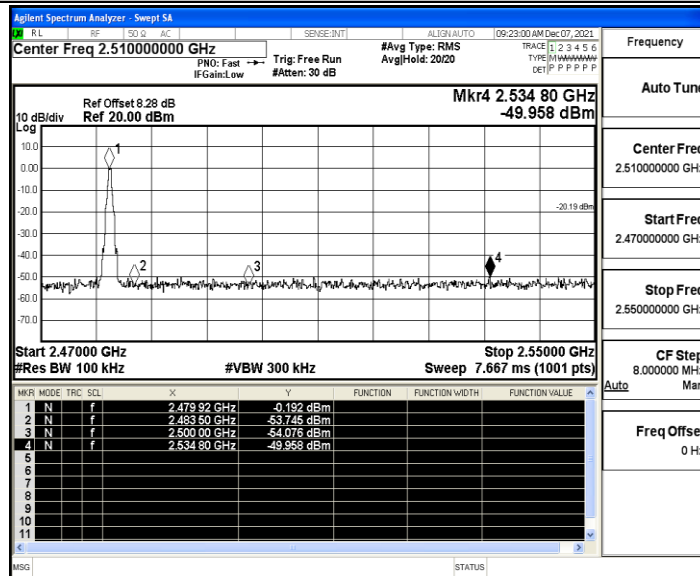


## Test Graphs

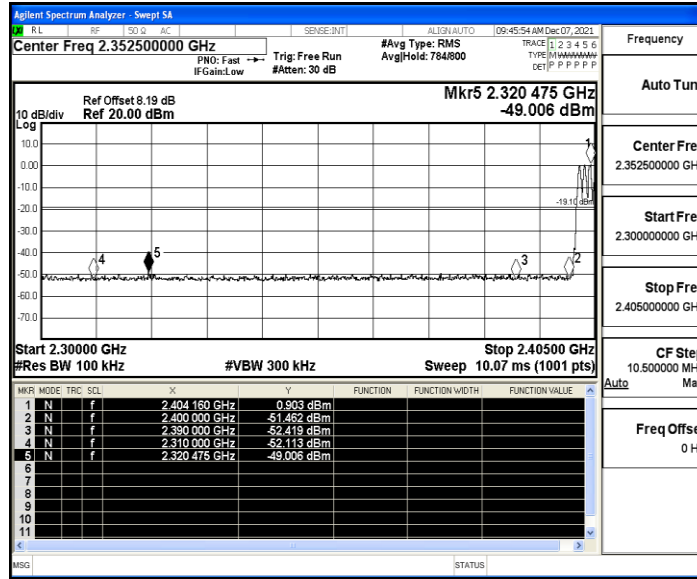
DH5\_Ant1\_Low\_2402



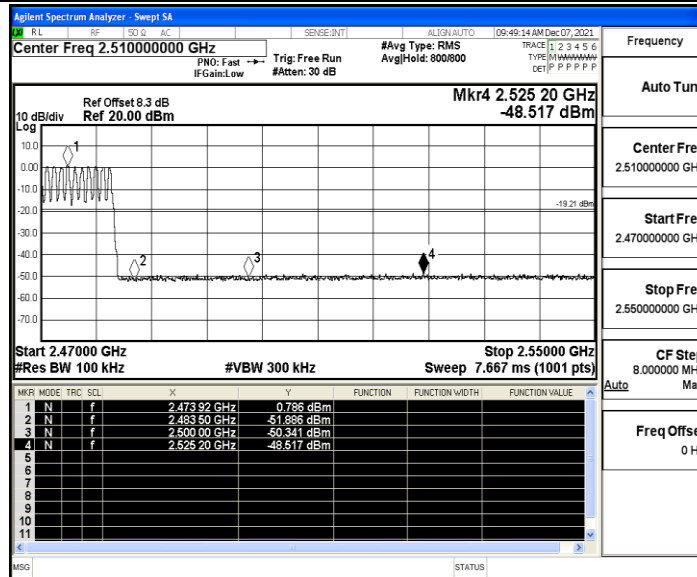
DH5\_Ant1\_High\_2480



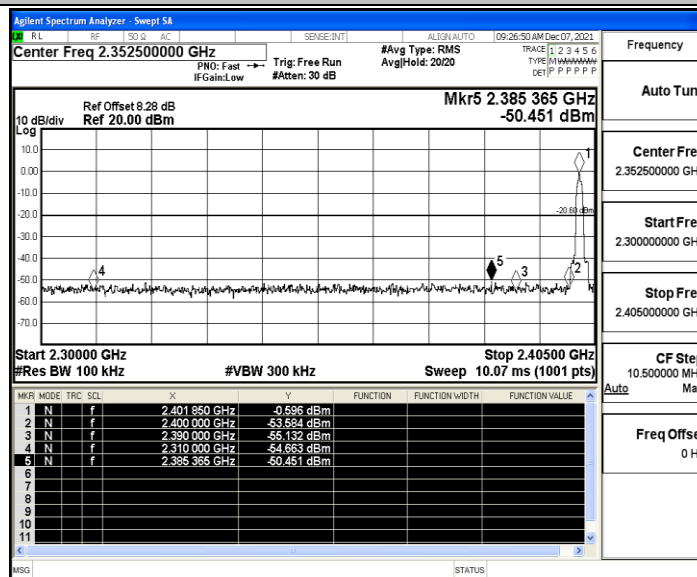
DH5\_Ant1\_Low\_Hop\_2402



DH5\_Ant1\_High\_Hop\_2480

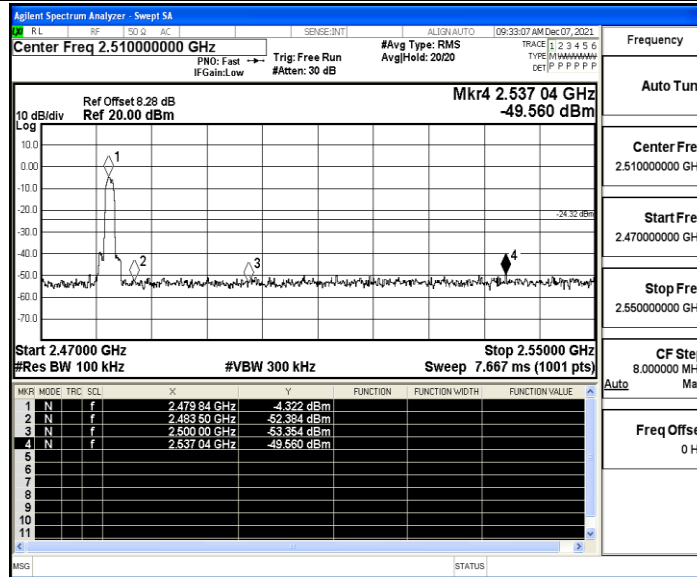


2DH5\_Ant1\_Low\_2402





## 2DH5\_Ant1\_High\_2480



Frequency

Auto Tune

Center Freq  
2.510000000 GHz

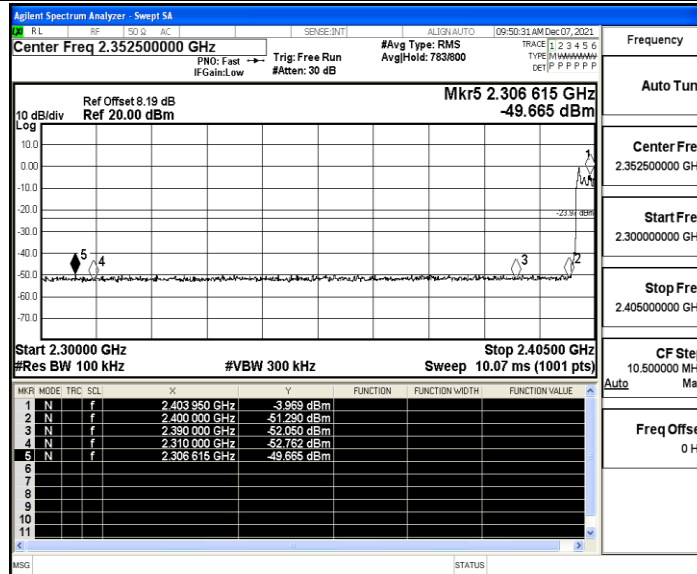
Start Freq  
2.470000000 GHz

Stop Freq  
2.550000000 GHz

CF Step  
8.000000 MHz  
Auto Man

Freq Offset  
0 Hz

## 2DH5\_Ant1\_Low\_Hop\_2402



Frequency

Auto Tune

Center Freq  
2.352500000 GHz

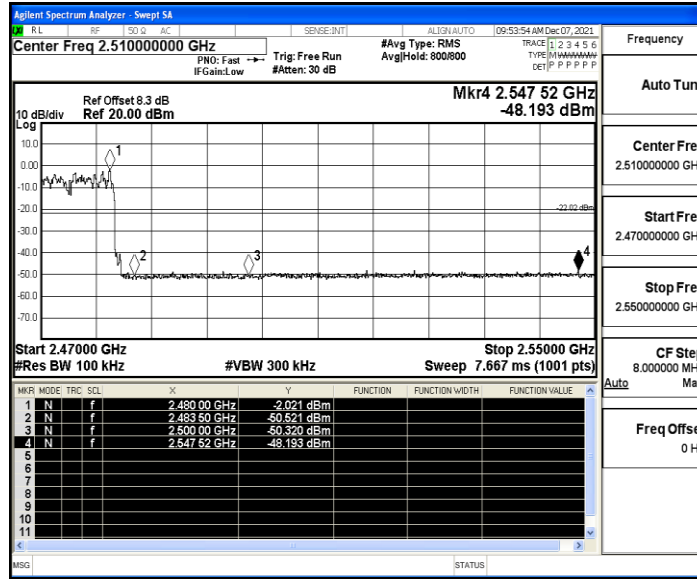
Start Freq  
2.300000000 GHz

Stop Freq  
2.405000000 GHz

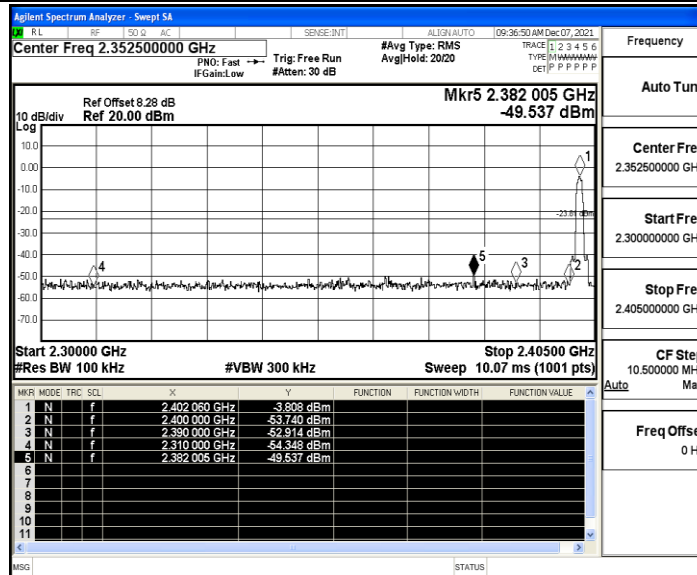
CF Step  
10.500000 MHz  
Auto Man

Freq Offset  
0 Hz

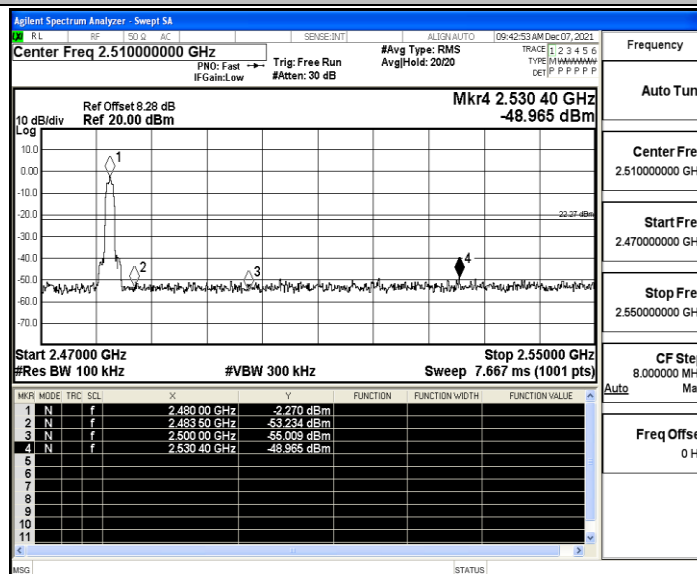
## 2DH5\_Ant1\_High\_Hop\_2480



3DH5\_Ant1\_Low\_2402

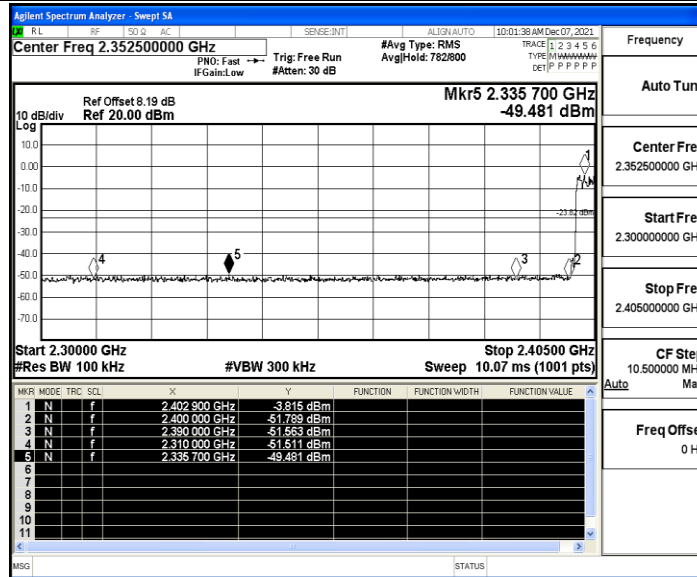


3DH5\_Ant1\_High\_2480

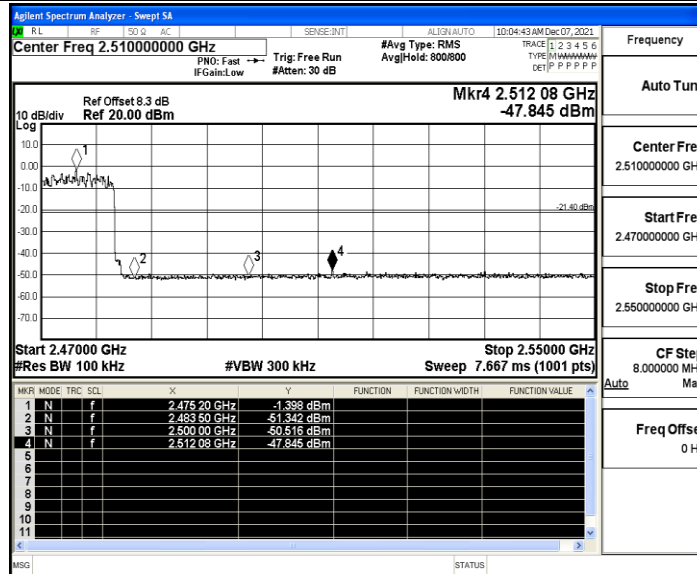




## 3DH5\_Ant1\_Low\_Hop\_2402



## 3DH5\_Ant1\_High\_Hop\_2480





## A.7 Conducted Spurious Emission

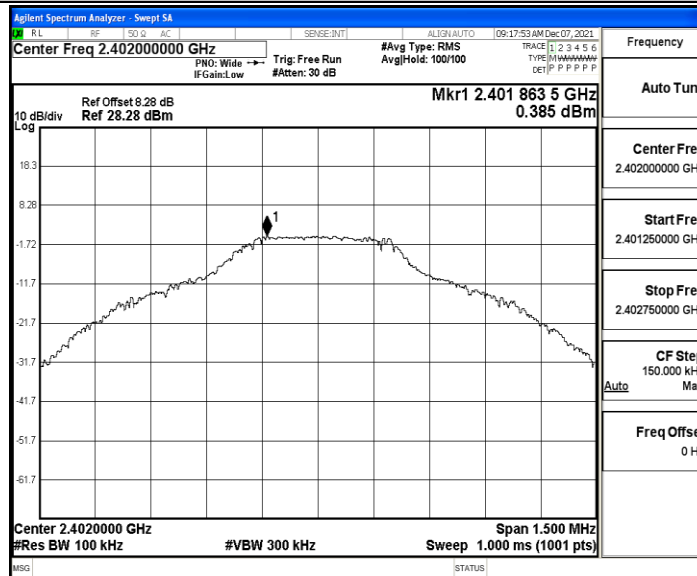
### Test Result

| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | 2402    | Reference          | 0.39              | 0.39            | ---            | PASS    |
|          |         |         | 30~1000            | 0.39              | -61.63          | ≤-19.62        | PASS    |
|          |         |         | 1000~26500         | 0.39              | -46.46          | ≤-19.62        | PASS    |
|          |         | 2441    | Reference          | 1.55              | 1.55            | ---            | PASS    |
|          |         |         | 30~1000            | 1.55              | -60.77          | ≤-18.45        | PASS    |
|          |         |         | 1000~26500         | 1.55              | -47.03          | ≤-18.45        | PASS    |
|          |         | 2480    | Reference          | 0.47              | 0.47            | ---            | PASS    |
|          |         |         | 30~1000            | 0.47              | -60.93          | ≤-19.54        | PASS    |
|          |         |         | 1000~26500         | 0.47              | -47.1           | ≤-19.54        | PASS    |
| 2DH5     | Ant1    | 2402    | Reference          | -0.52             | -0.52           | ---            | PASS    |
|          |         |         | 30~1000            | -0.52             | -60.98          | ≤-20.52        | PASS    |
|          |         |         | 1000~26500         | -0.52             | -46.78          | ≤-20.52        | PASS    |
|          |         | 2441    | Reference          | 0.24              | 0.24            | ---            | PASS    |
|          |         |         | 30~1000            | 0.24              | -60.73          | ≤-19.76        | PASS    |
|          |         |         | 1000~26500         | 0.24              | -47.01          | ≤-19.76        | PASS    |
|          |         | 2480    | Reference          | -1.77             | -1.77           | ---            | PASS    |
|          |         |         | 30~1000            | -1.77             | -61.48          | ≤-21.77        | PASS    |
|          |         |         | 1000~26500         | -1.77             | -47.05          | ≤-21.77        | PASS    |
| 3DH5     | Ant1    | 2402    | Reference          | -0.71             | -0.71           | ---            | PASS    |
|          |         |         | 30~1000            | -0.71             | -60.5           | ≤-20.71        | PASS    |
|          |         |         | 1000~26500         | -0.71             | -46.56          | ≤-20.71        | PASS    |
|          |         | 2441    | Reference          | 0.57              | 0.57            | ---            | PASS    |
|          |         |         | 30~1000            | 0.57              | -59.96          | ≤-19.43        | PASS    |
|          |         |         | 1000~26500         | 0.57              | -46.71          | ≤-19.43        | PASS    |
|          |         | 2480    | Reference          | -4.15             | -4.15           | ---            | PASS    |
|          |         |         | 30~1000            | -4.15             | -61.24          | ≤-24.15        | PASS    |
|          |         |         | 1000~26500         | -4.15             | -46.74          | ≤-24.15        | PASS    |

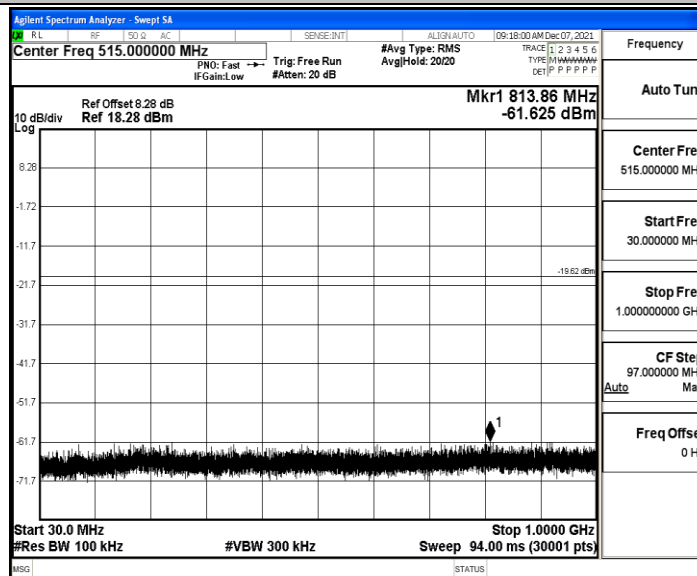


## Test Graphs

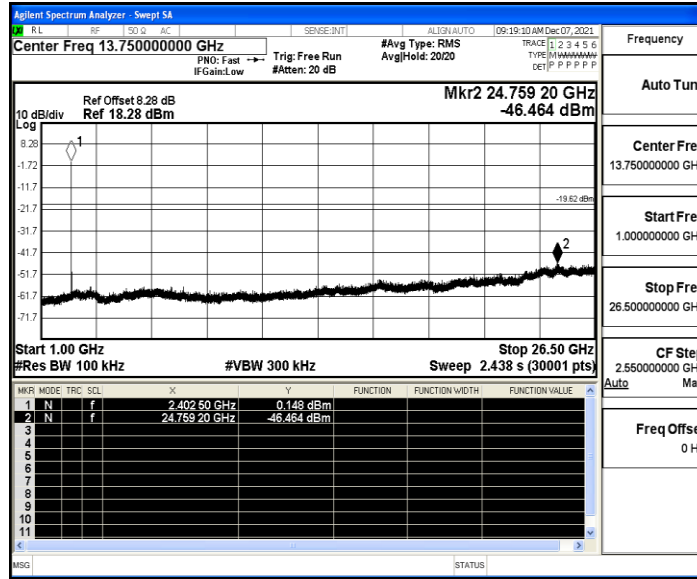
DH5\_Ant1\_2402\_0~Reference



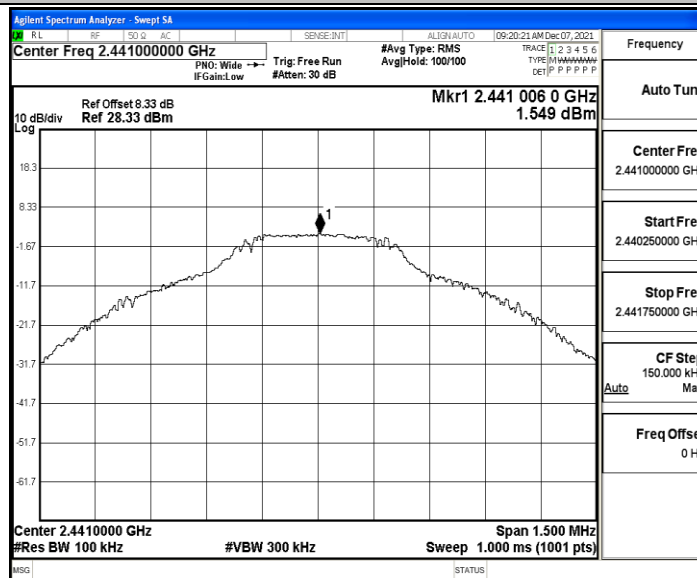
DH5\_Ant1\_2402\_30~1000



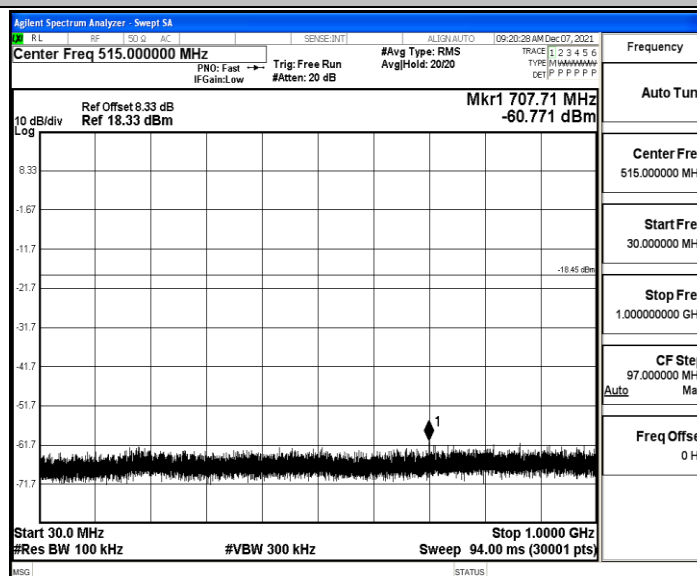
DH5\_Ant1\_2402\_1000~26500



## DH5\_Ant1\_2441\_0-Reference

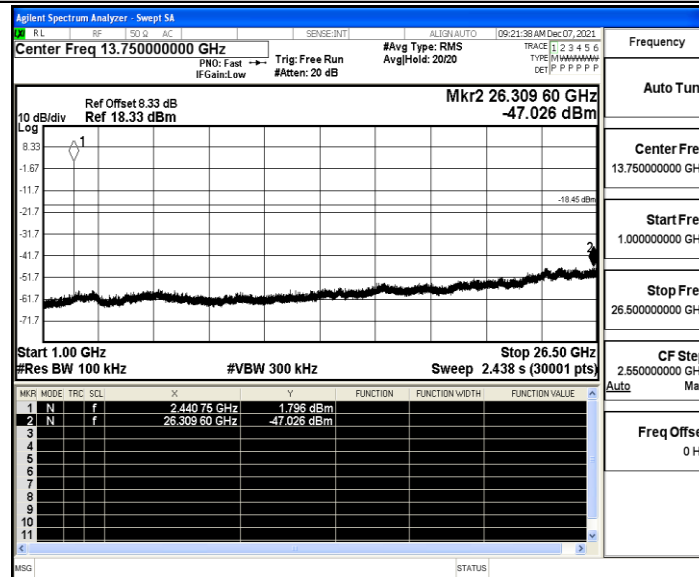


## DH5\_Ant1\_2441\_30-1000

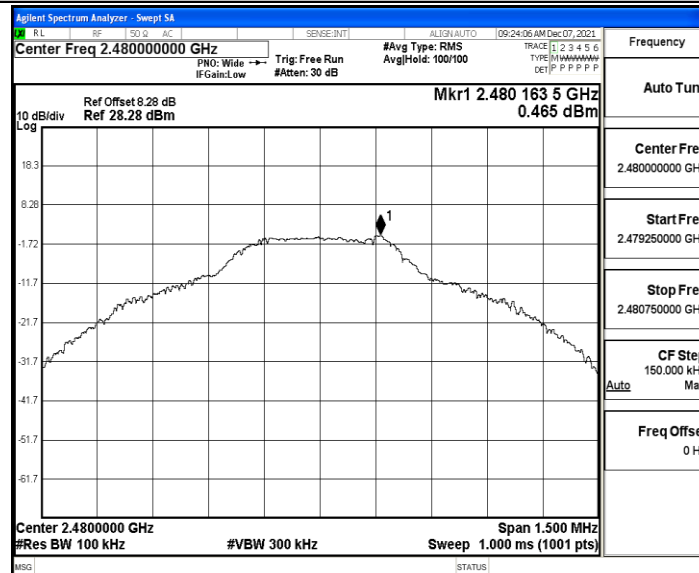




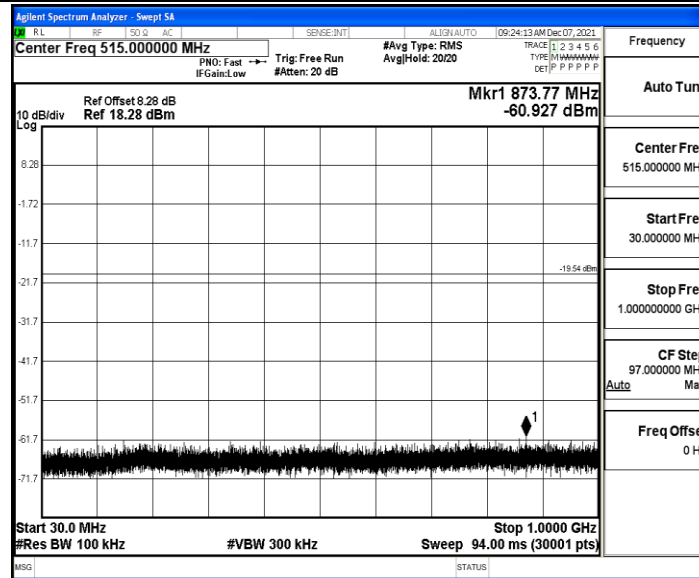
## DH5\_Ant1\_2441\_1000~26500



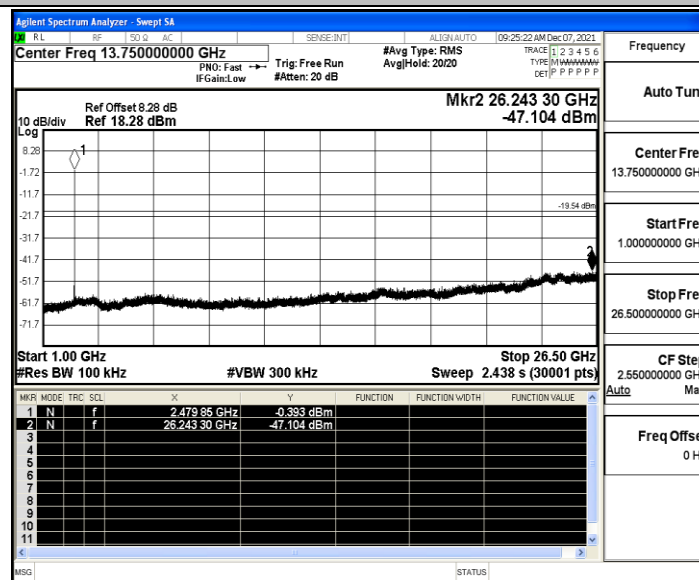
## DH5\_Ant1\_2480\_0~Reference



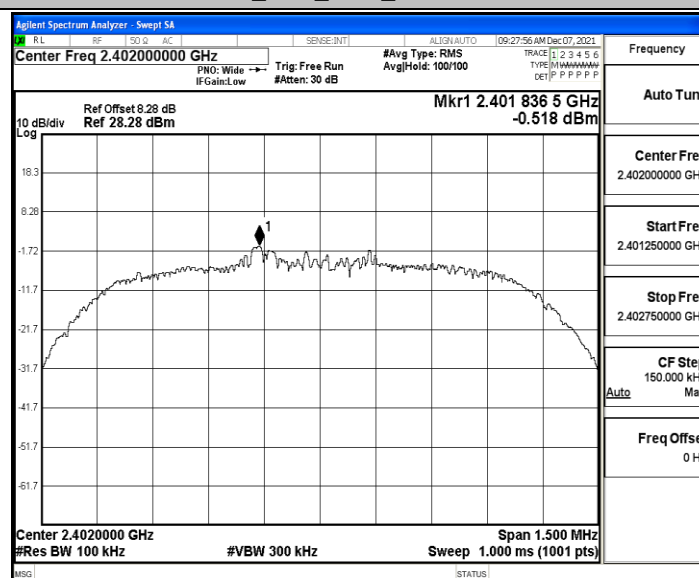
## DH5\_Ant1\_2480\_30~1000



## DH5\_Ant1\_2480\_1000~26500

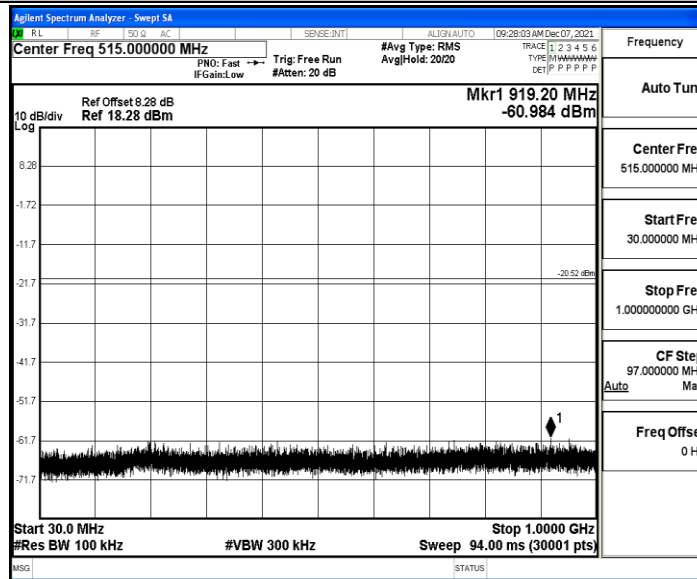


## 2DH5\_Ant1\_2402\_0~Reference

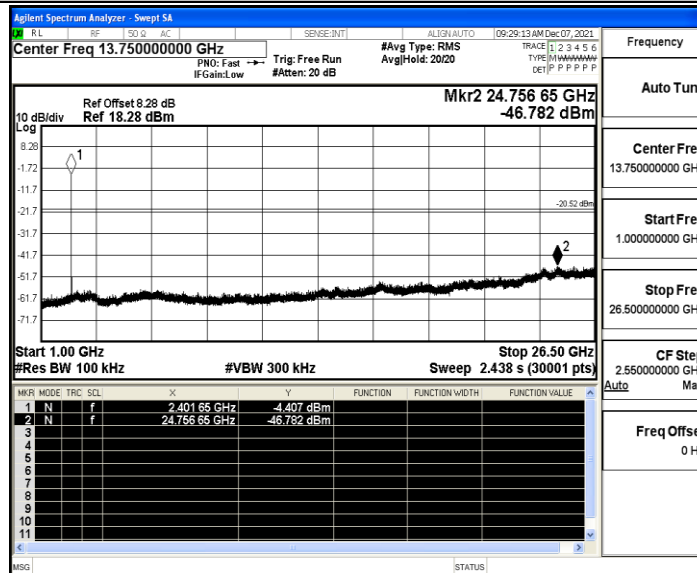




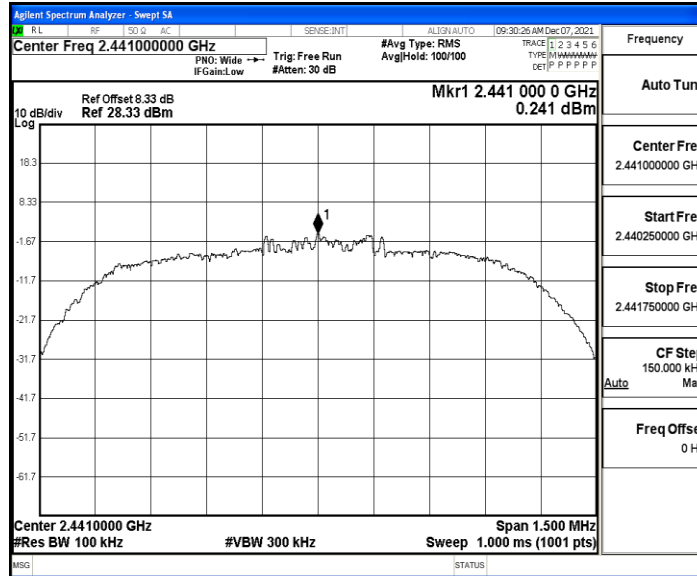
## 2DH5\_Ant1\_2402\_30~1000



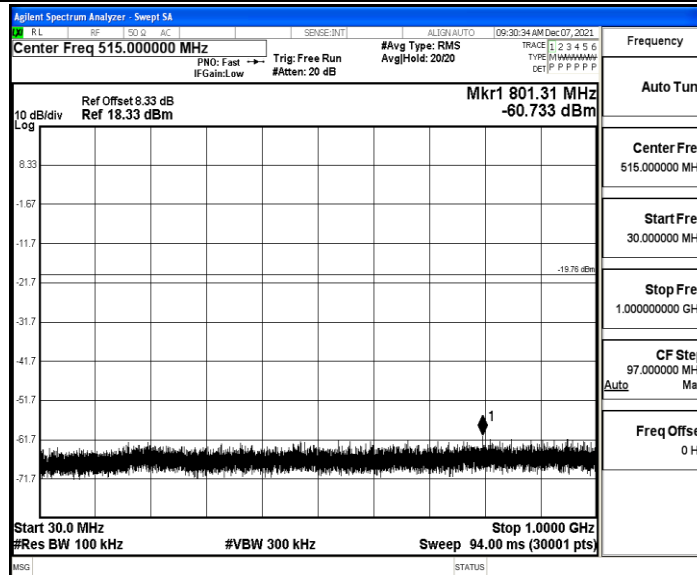
## 2DH5\_Ant1\_2402\_1000~26500



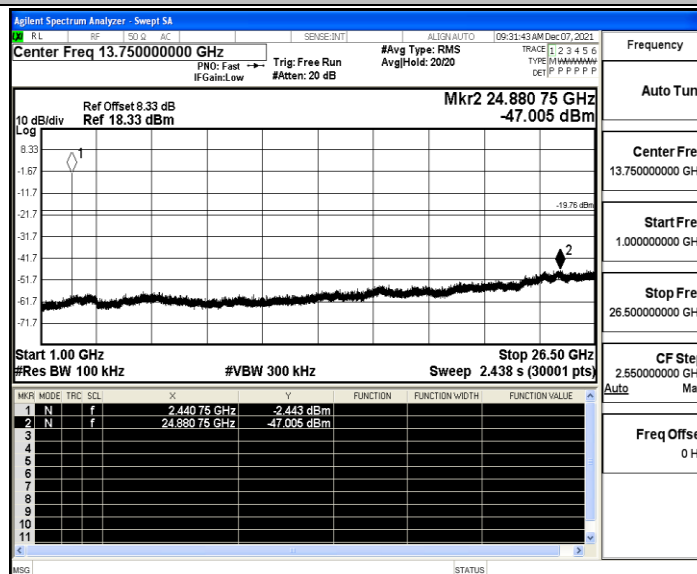
## 2DH5\_Ant1\_2441\_0~Reference



## 2DH5\_Ant1\_2441\_30~1000

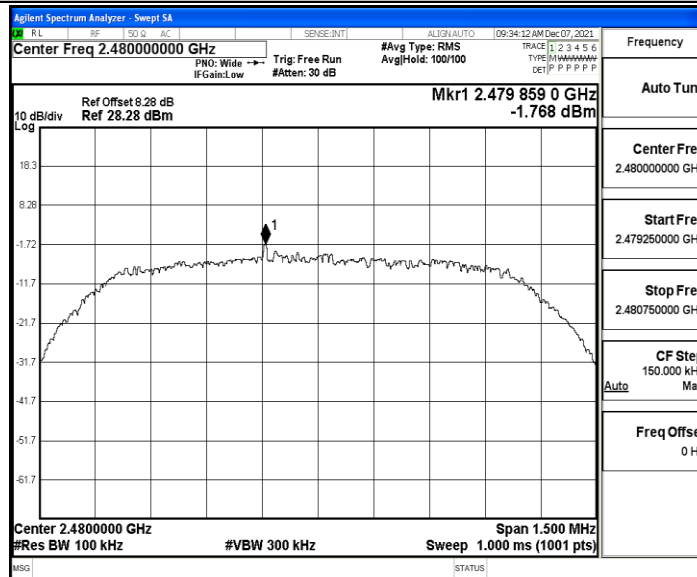


## 2DH5\_Ant1\_2441\_1000~26500

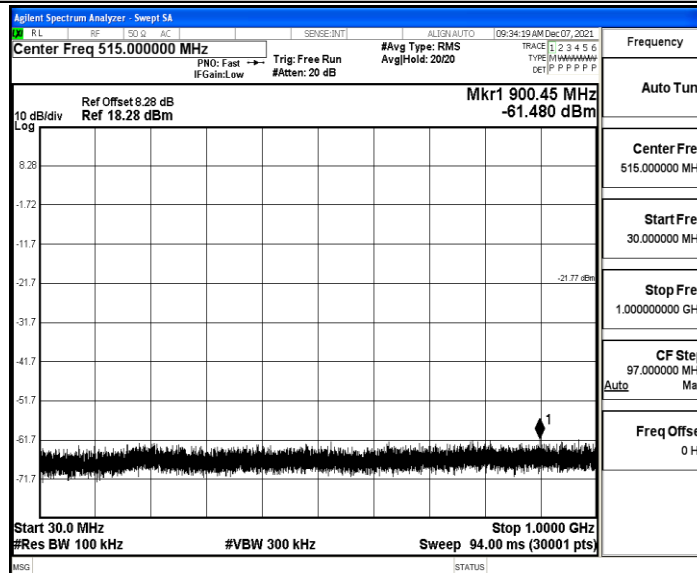




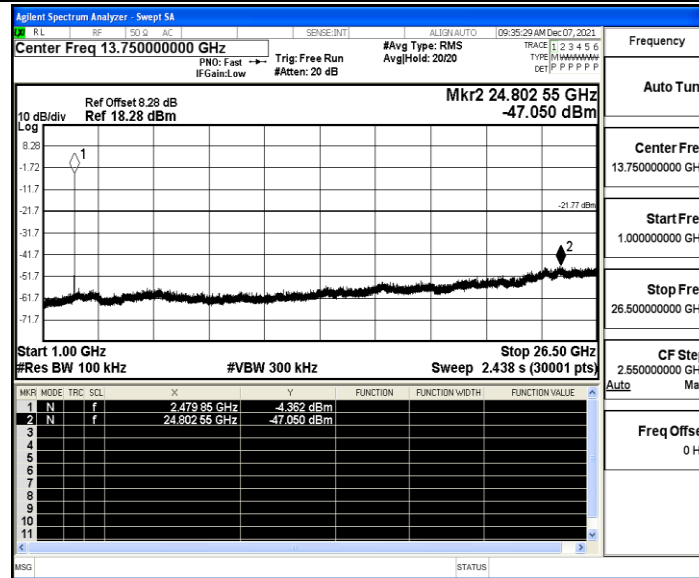
## 2DH5\_Ant1\_2480\_0~Reference



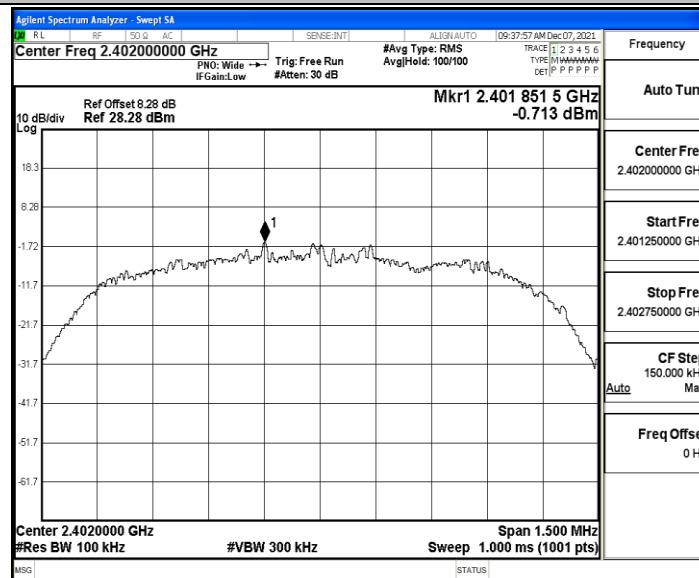
## 2DH5\_Ant1\_2480\_30~1000



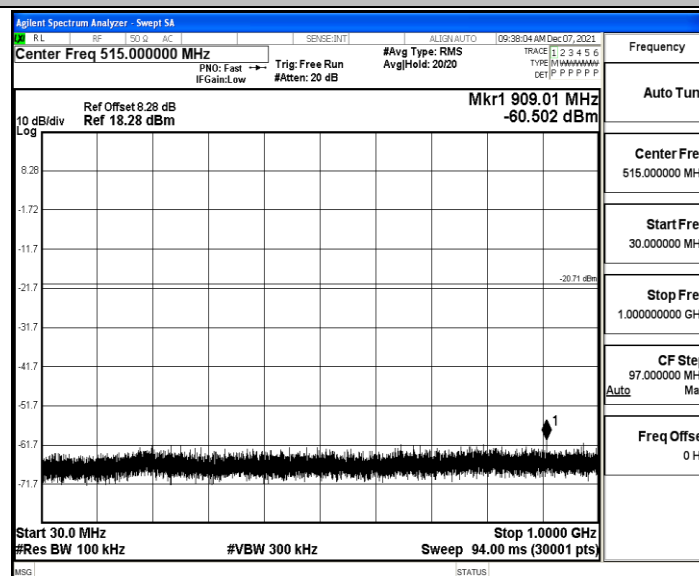
## 2DH5\_Ant1\_2480\_1000~26500



3DH5\_Ant1\_2402\_0-Reference

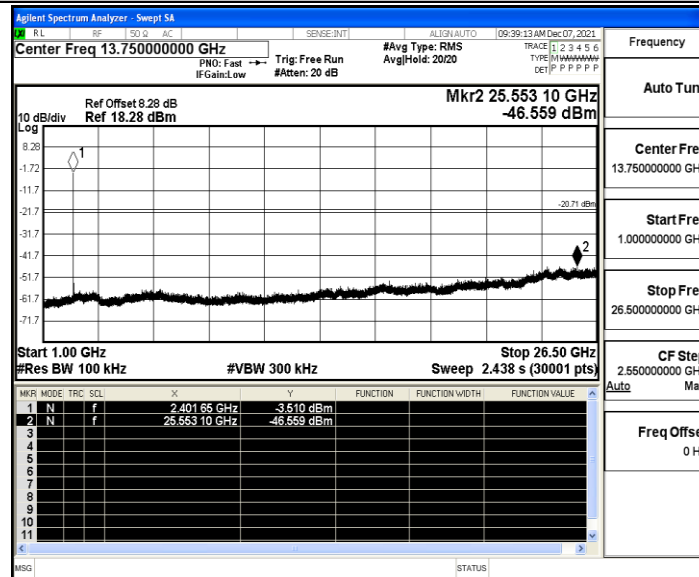


3DH5\_Ant1\_2402\_30~1000

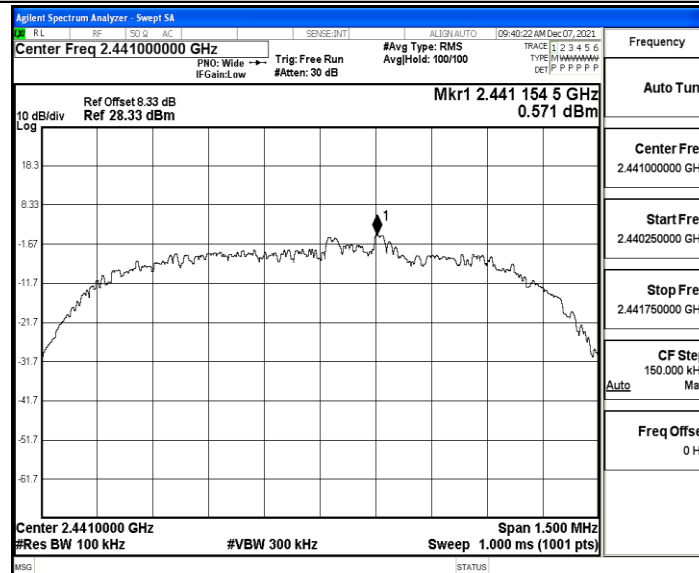




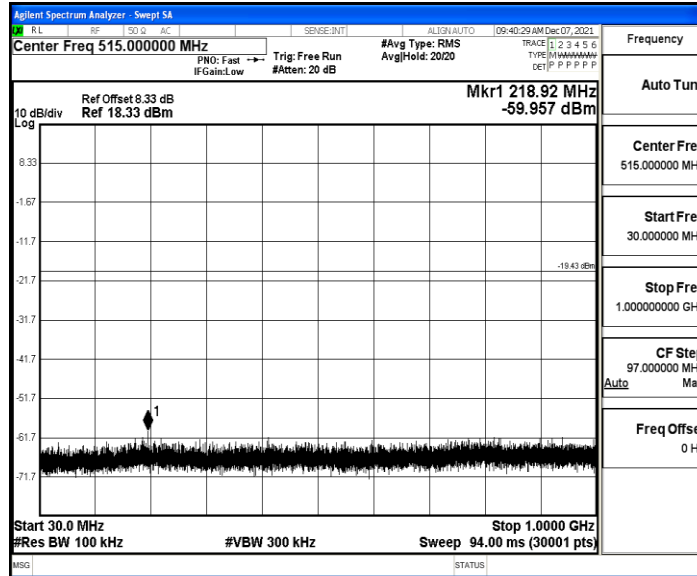
## 3DH5\_Ant1\_2402\_1000~26500



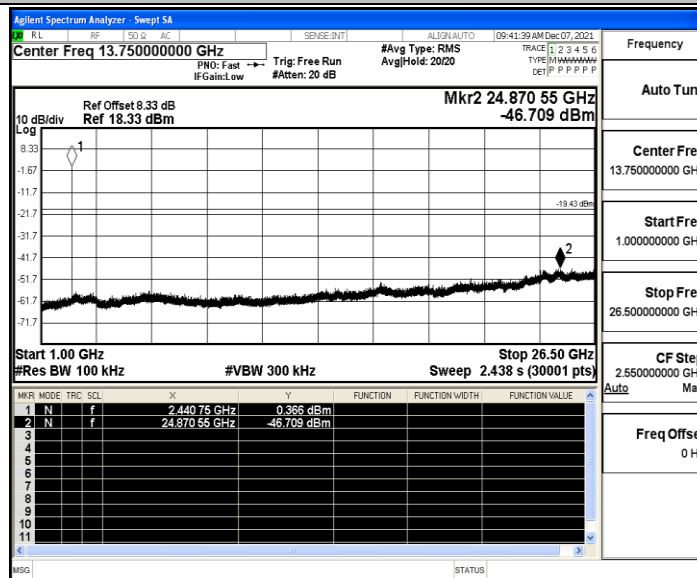
## 3DH5\_Ant1\_2441\_0~Reference



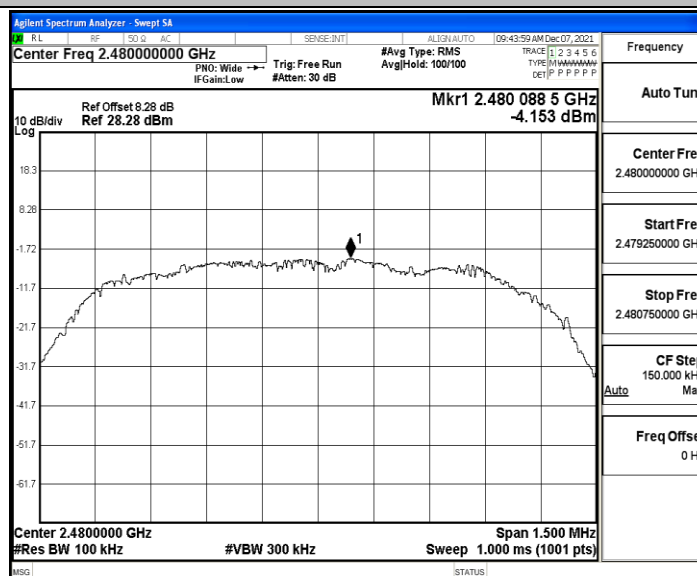
## 3DH5\_Ant1\_2441\_30~1000



3DH5\_Ant1\_2441\_1000~26500

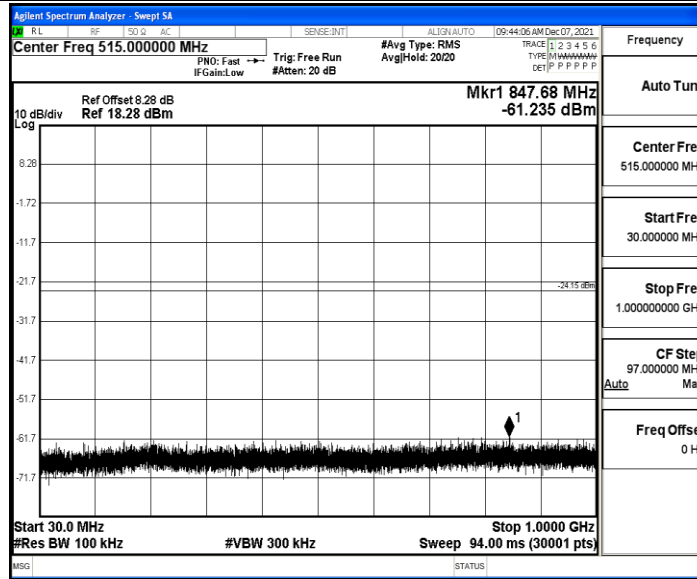


3DH5\_Ant1\_2480\_0~Reference

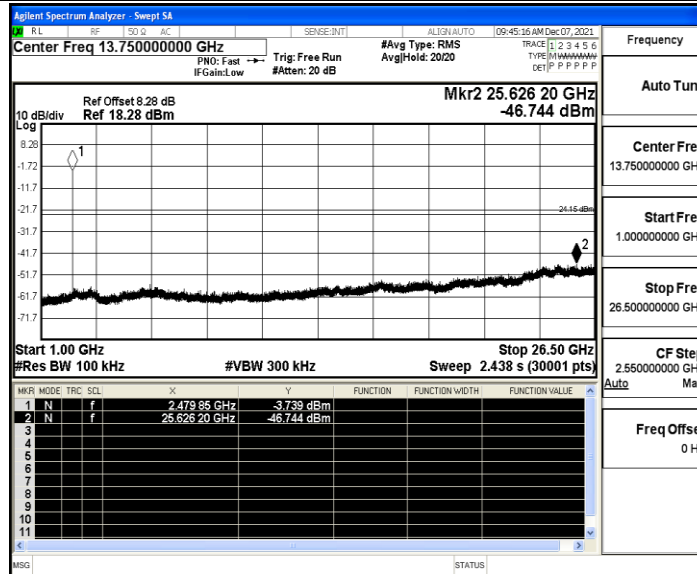




## 3DH5\_Ant1\_2480\_30~1000



## 3DH5\_Ant1\_2480\_1000~26500





## A.8 Emissions in Restricted Bands

### Test Result

| TestMode | Antenna | ChName | Channel | Detector | Freq. [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|----------|---------|--------|---------|----------|-------------|--------------|-------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402    | AV       | 2310.000    | -48.88       | ≤-41.20     | 46.32           | ≤54            | PASS    |
|          |         |        |         | AV       | 2389.040    | -48.36       | ≤-41.20     | 46.84           | ≤54            | PASS    |
|          |         |        |         | AV       | 2390.000    | -48.54       | ≤-41.20     | 46.66           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2310.000    | -42.97       | ≤-21.20     | 52.23           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2332.970    | -39.54       | ≤-21.20     | 55.66           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2390.000    | -42.49       | ≤-21.20     | 52.71           | ≤74            | PASS    |
|          |         | High   | 2480    | AV       | 2483.500    | -47.77       | ≤-41.20     | 47.43           | ≤54            | PASS    |
|          |         |        |         | AV       | 2483.600    | -47.73       | ≤-41.20     | 47.47           | ≤54            | PASS    |
|          |         |        |         | AV       | 2500.000    | -47.88       | ≤-41.20     | 47.32           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2483.500    | -42.83       | ≤-21.20     | 52.37           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2486.320    | -39.06       | ≤-21.20     | 56.14           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2500.000    | -45.45       | ≤-21.20     | 49.75           | ≤74            | PASS    |
| 2DH5     | Ant1    | Low    | 2402    | AV       | 2310.000    | -48.83       | ≤-41.20     | 46.37           | ≤54            | PASS    |
|          |         |        |         | AV       | 2381.375    | -48.24       | ≤-41.20     | 46.96           | ≤54            | PASS    |
|          |         |        |         | AV       | 2390.000    | -48.53       | ≤-41.20     | 46.67           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2310.000    | -42.81       | ≤-21.20     | 52.39           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2367.935    | -39.52       | ≤-21.20     | 55.68           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2390.000    | -41.6        | ≤-21.20     | 53.60           | ≤74            | PASS    |
|          |         | High   | 2480    | AV       | 2483.500    | -47.76       | ≤-41.20     | 47.44           | ≤54            | PASS    |
|          |         |        |         | AV       | 2499.920    | -47.66       | ≤-41.20     | 47.54           | ≤54            | PASS    |
|          |         |        |         | AV       | 2500.000    | -47.62       | ≤-41.20     | 47.58           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2483.500    | -43.24       | ≤-21.20     | 51.96           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2497.760    | -39.06       | ≤-21.20     | 56.14           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2500.000    | -42.71       | ≤-21.20     | 52.49           | ≤74            | PASS    |
| 3DH5     | Ant1    | Low    | 2402    | AV       | 2310.000    | -48.82       | ≤-41.20     | 46.38           | ≤54            | PASS    |
|          |         |        |         | AV       | 2385.575    | -48.21       | ≤-41.20     | 46.99           | ≤54            | PASS    |
|          |         |        |         | AV       | 2390.000    | -48.36       | ≤-41.20     | 46.84           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2310.000    | -41.04       | ≤-21.20     | 54.16           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2365.730    | -37.96       | ≤-21.20     | 57.24           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2390.000    | -43.09       | ≤-21.20     | 52.11           | ≤74            | PASS    |
|          |         | High   | 2480    | AV       | 2483.500    | -47.68       | ≤-41.20     | 47.52           | ≤54            | PASS    |
|          |         |        |         | AV       | 2497.120    | -47.66       | ≤-41.20     | 47.54           | ≤54            | PASS    |
|          |         |        |         | AV       | 2500.000    | -47.77       | ≤-41.20     | 47.43           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2483.500    | -43.98       | ≤-21.20     | 51.22           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2498.560    | -39.07       | ≤-21.20     | 56.13           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2500.000    | -41.4        | ≤-21.20     | 53.80           | ≤74            | PASS    |



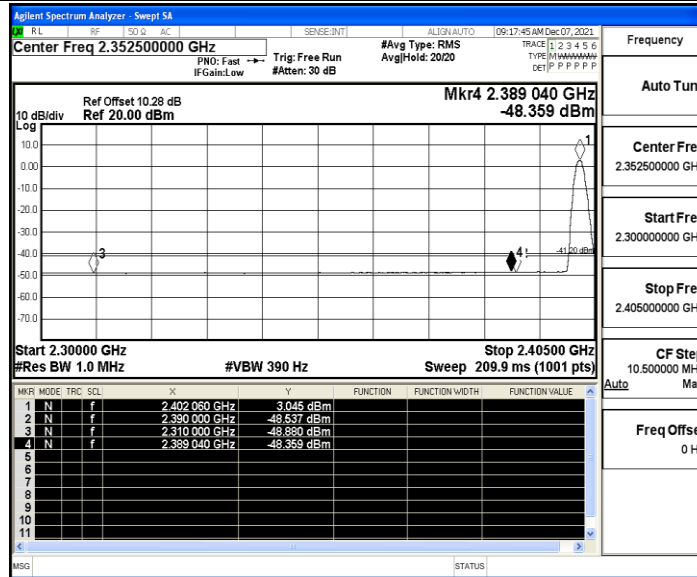
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

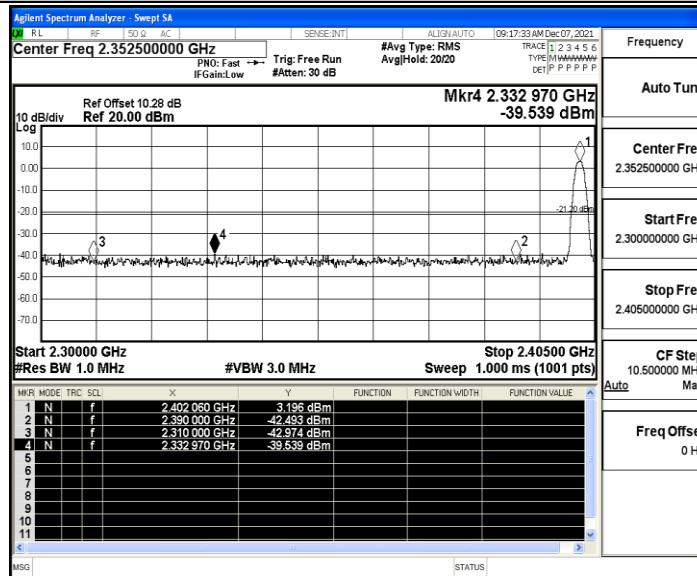


## Test Graphs

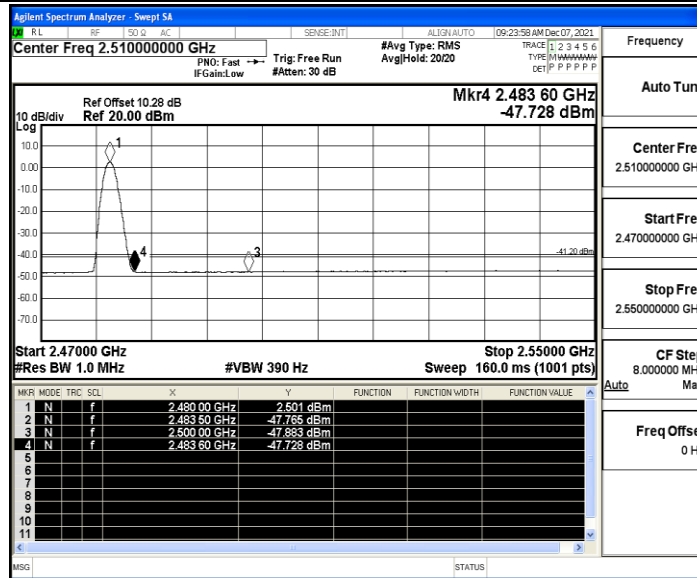
DH5\_Ant1\_Low\_2402\_AV



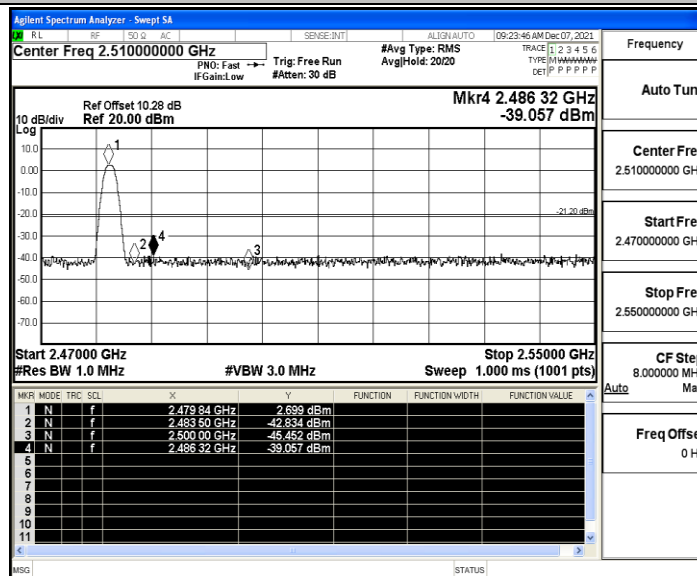
DH5\_Ant1\_Low\_2402\_Peak



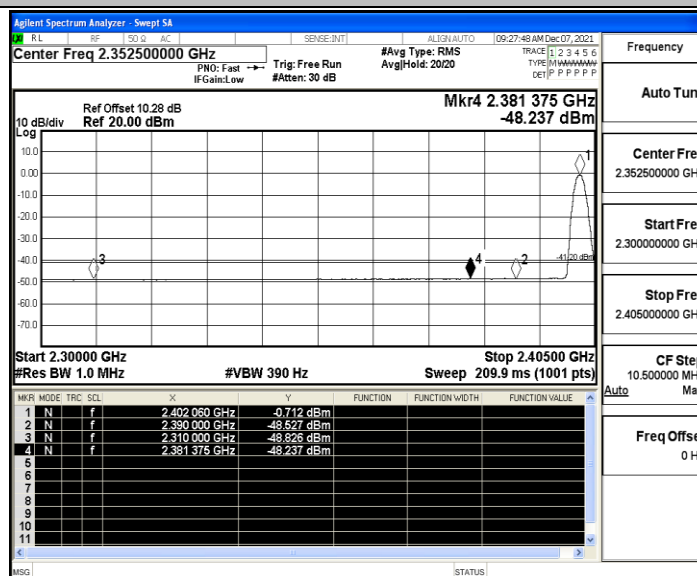
DH5\_Ant1\_High\_2480\_AV



DH5\_Ant1\_High\_2480\_Peak

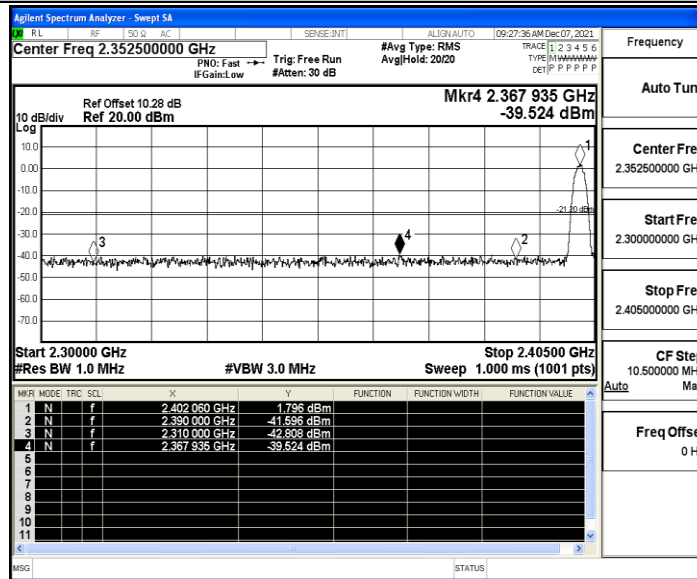


2DH5\_Ant1\_Low\_2402\_AV

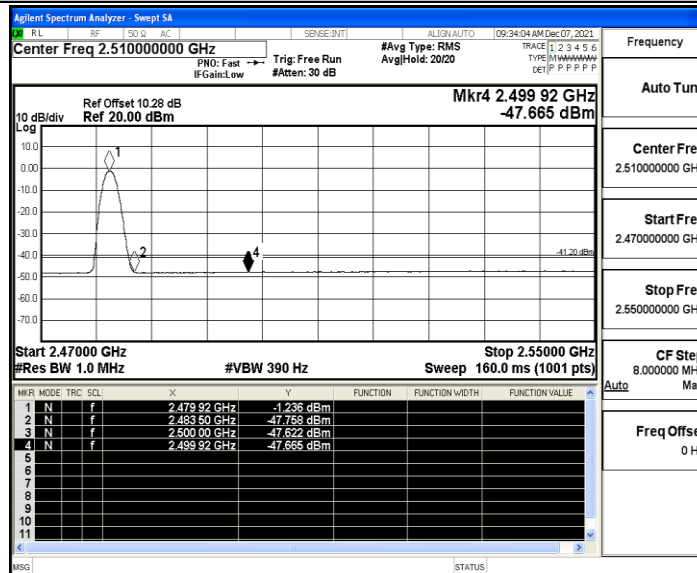




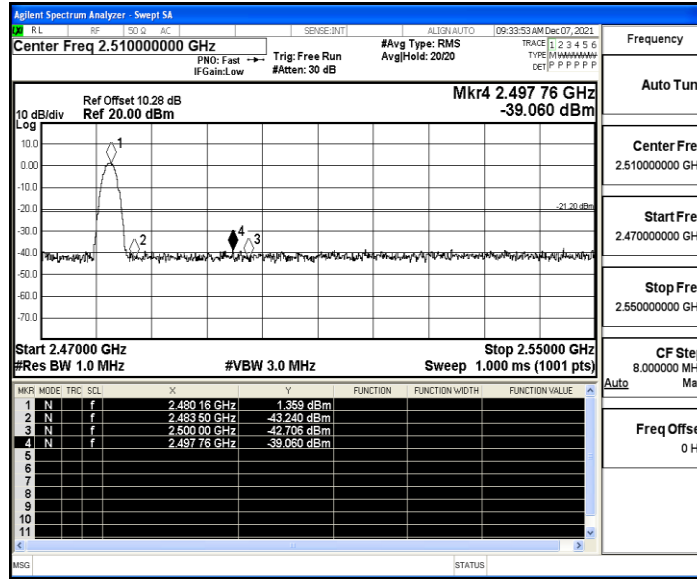
## 2DH5\_Ant1\_Low\_2402\_Peak



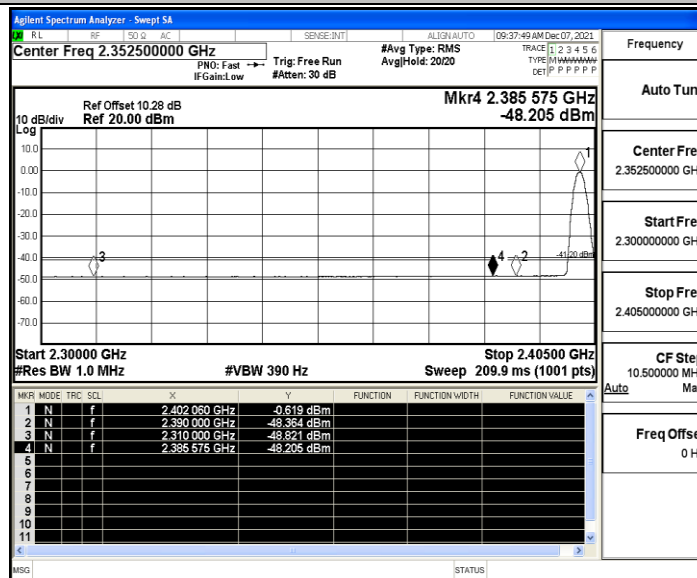
## 2DH5\_Ant1\_High\_2480\_AV



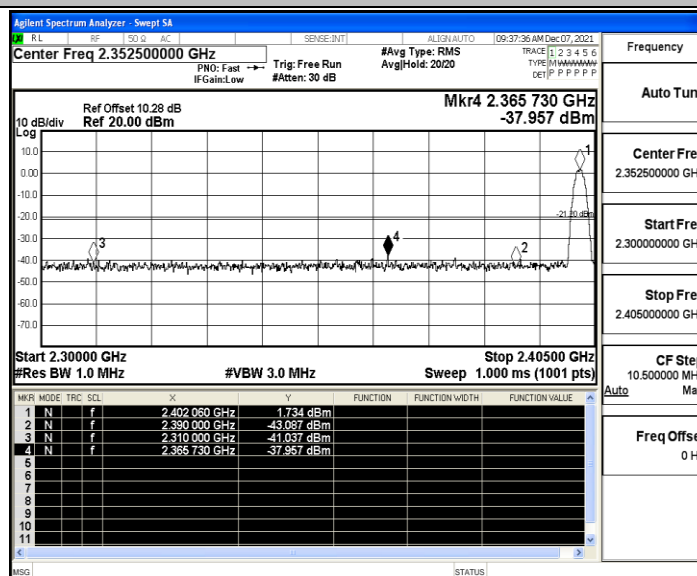
## 2DH5\_Ant1\_High\_2480\_Peak



3DH5\_Ant1\_Low\_2402\_AV

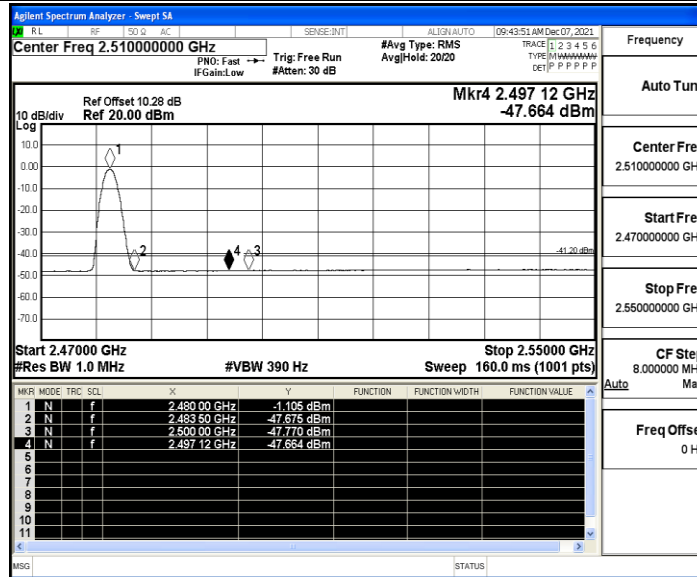


3DH5\_Ant1\_Low\_2402\_Peak





## 3DH5\_Ant1\_High\_2480\_AV



## 3DH5\_Ant1\_High\_2480\_Peak

