



## Appendix A

### RF Test Data for BT V5.2 (DSS) (Conducted Measurement)

Product Name: TWS Earbuds

Test Model: Snapods

#### Environmental Conditions

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Temperature:       | 23.7°C                                                                                          |
| Relative Humidity: | 52.3%                                                                                           |
| ATM Pressure:      | 100.0 kPa                                                                                       |
| Test Engineer:     | <br>Wunder Wu |
| Supervised by:     | <br>Li Huan |



## A.1 20dB Emission Bandwidth

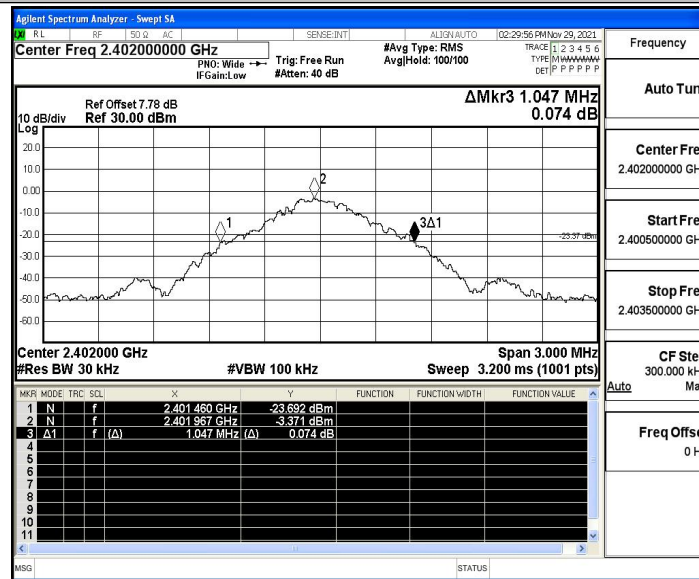
### Test Result

| TestMode | Antenna | Channel | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402    | 1.047         | 2401.460 | 2402.507 | ---        | PASS    |
|          |         | 2441    | 0.972         | 2440.529 | 2441.501 | ---        | PASS    |
|          |         | 2480    | 1.035         | 2479.463 | 2480.498 | ---        | PASS    |
| 2DH5     | Ant1    | 2402    | 1.290         | 2401.364 | 2402.654 | ---        | PASS    |
|          |         | 2441    | 1.311         | 2440.343 | 2441.654 | ---        | PASS    |
|          |         | 2480    | 1.317         | 2479.337 | 2480.654 | ---        | PASS    |
| 3DH5     | Ant1    | 2402    | 1.317         | 2401.340 | 2402.657 | ---        | PASS    |
|          |         | 2441    | 1.305         | 2440.346 | 2441.651 | ---        | PASS    |
|          |         | 2480    | 1.293         | 2479.352 | 2480.645 | ---        | PASS    |

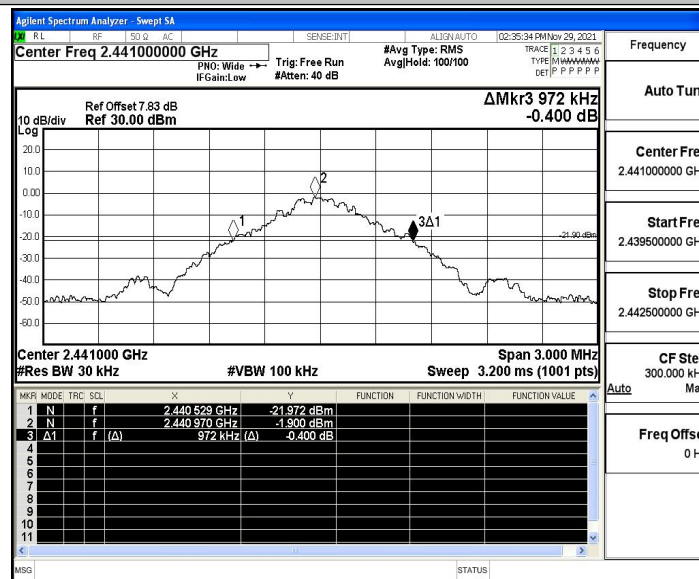


## Test Graphs

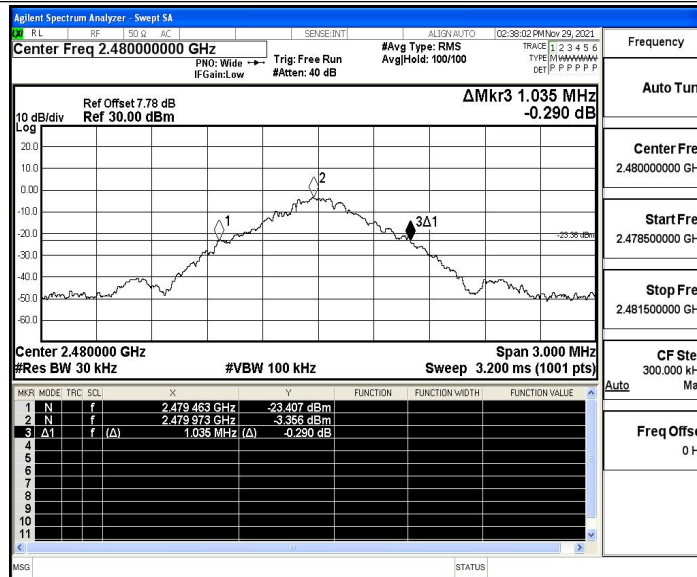
DH5\_Ant1\_2402



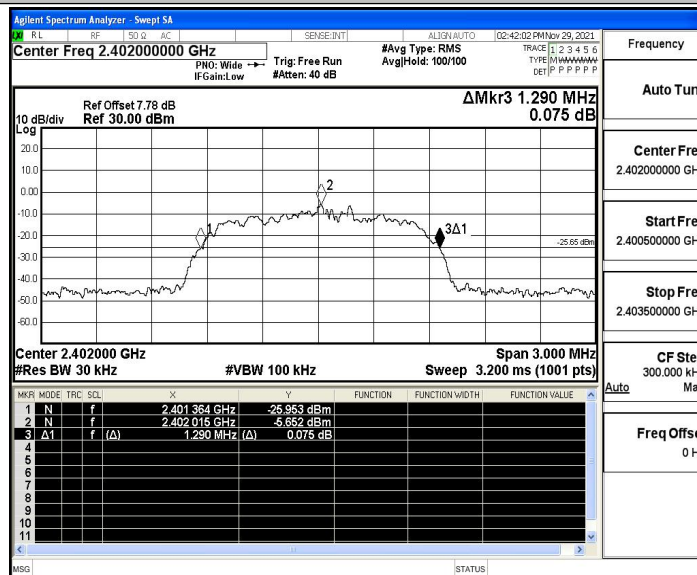
DH5\_Ant1\_2441



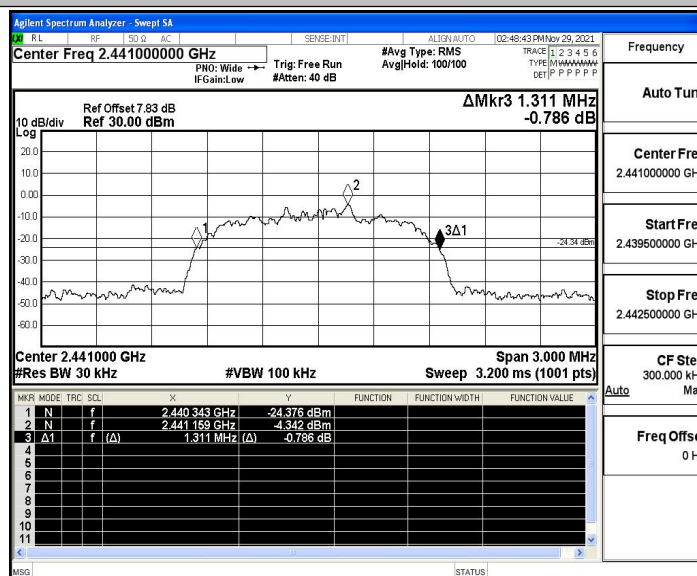
DH5\_Ant1\_2480



2DH5\_Ant1\_2402

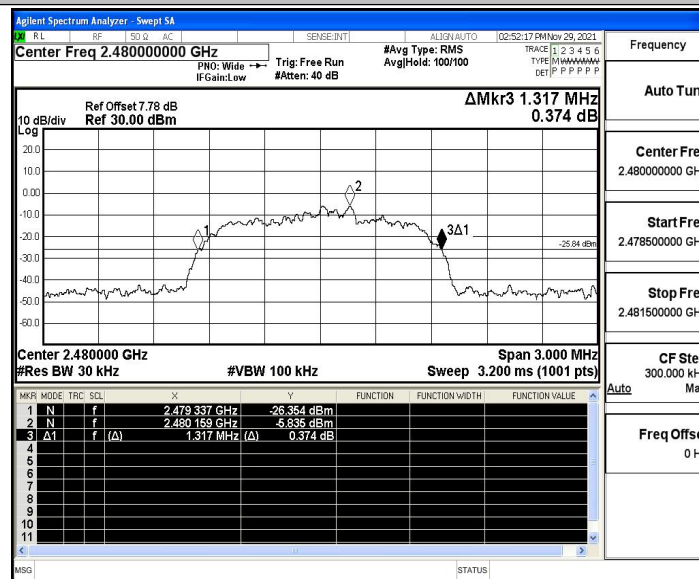


2DH5\_Ant1\_2441

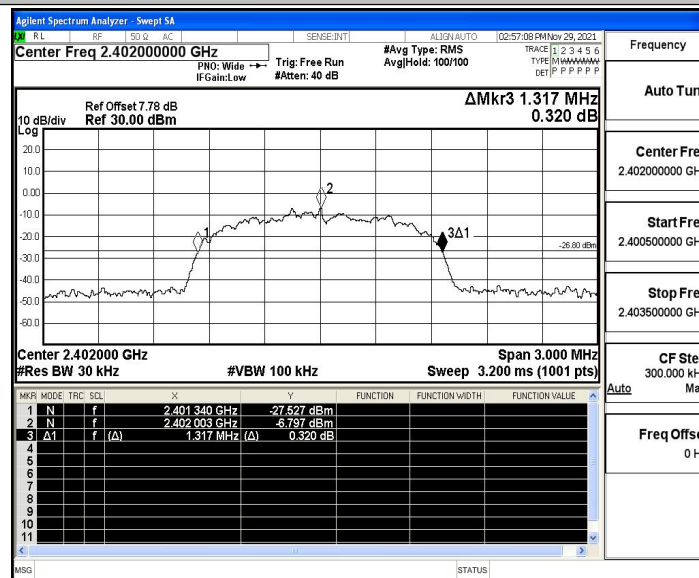




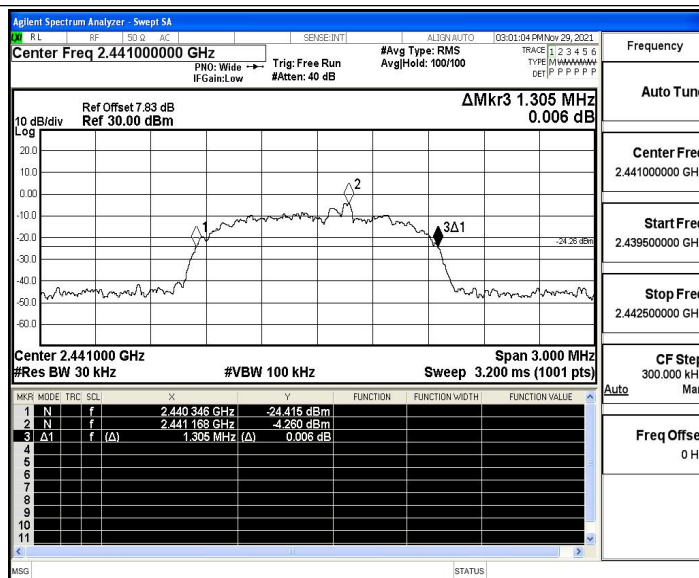
## 2DH5\_Ant1\_2480



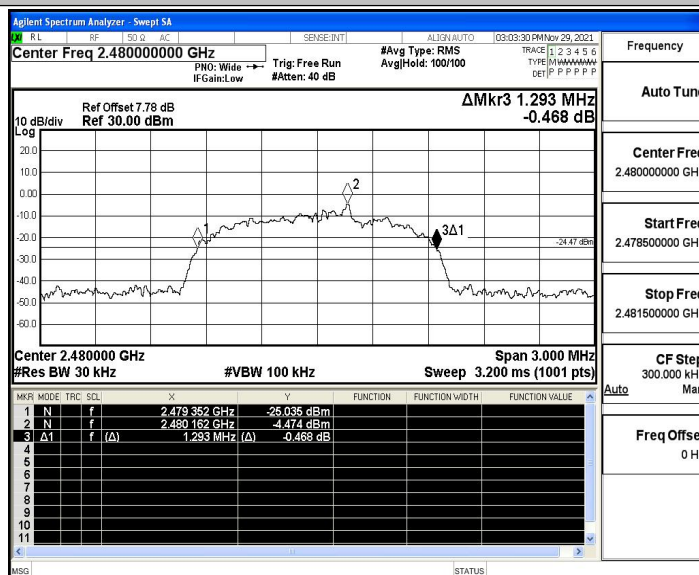
## 3DH5\_Ant1\_2402



## 3DH5\_Ant1\_2441



3DH5\_Ant1\_2480





## A.2 Maximum peak conducted output power

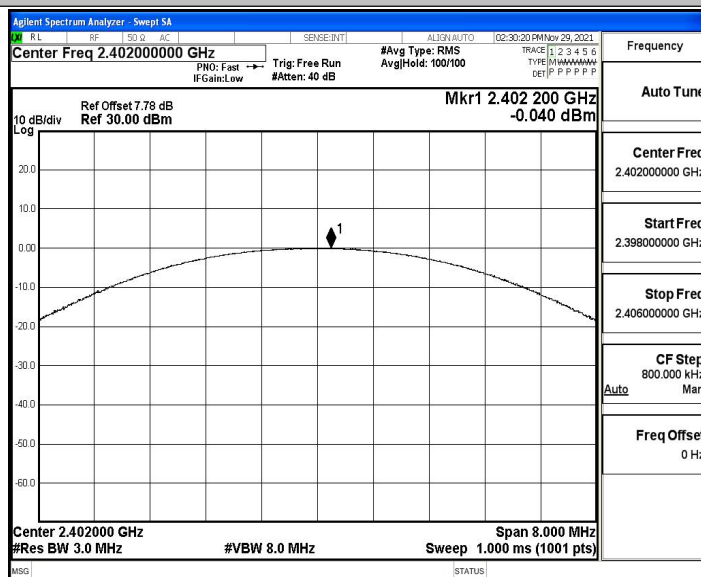
### Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | 2402    | -0.04       | ≤20.97     | PASS    |
|          |         | 2441    | 1.13        | ≤20.97     | PASS    |
|          |         | 2480    | -0.32       | ≤20.97     | PASS    |
| 2DH5     | Ant1    | 2402    | -0.97       | ≤20.97     | PASS    |
|          |         | 2441    | 0.26        | ≤20.97     | PASS    |
|          |         | 2480    | -1.26       | ≤20.97     | PASS    |
| 3DH5     | Ant1    | 2402    | -0.74       | ≤20.97     | PASS    |
|          |         | 2441    | 0.35        | ≤20.97     | PASS    |
|          |         | 2480    | -0.97       | ≤20.97     | PASS    |

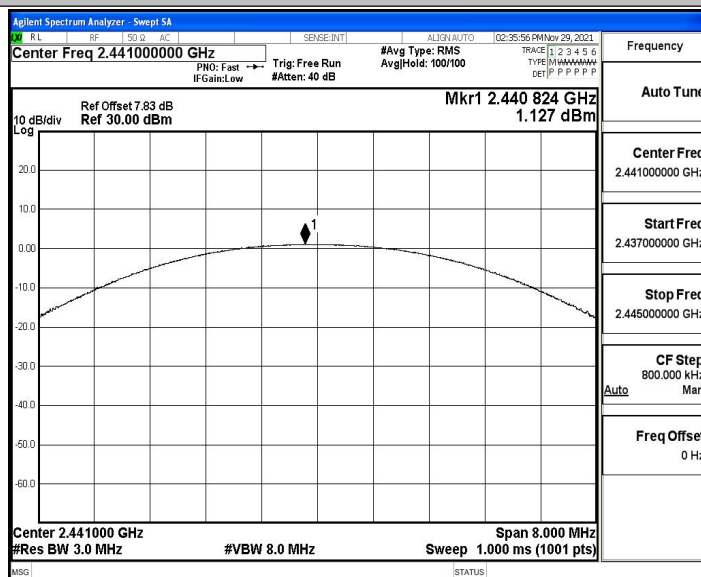


## Test Graphs

DH5\_Ant1\_2402

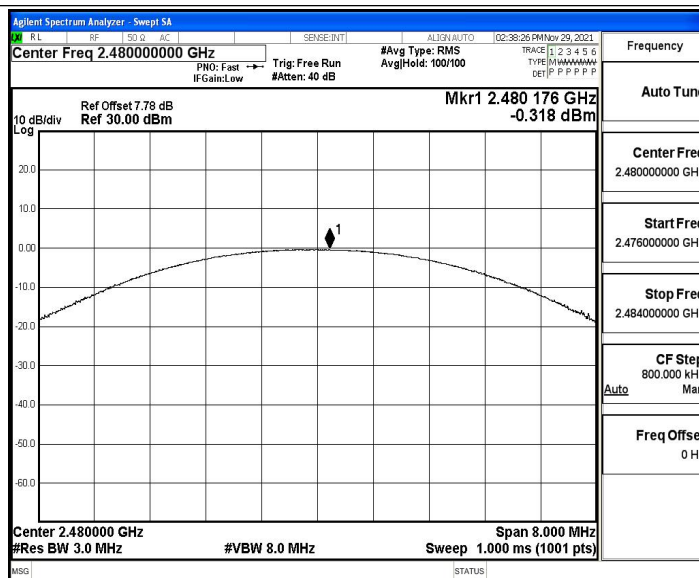


DH5\_Ant1\_2441

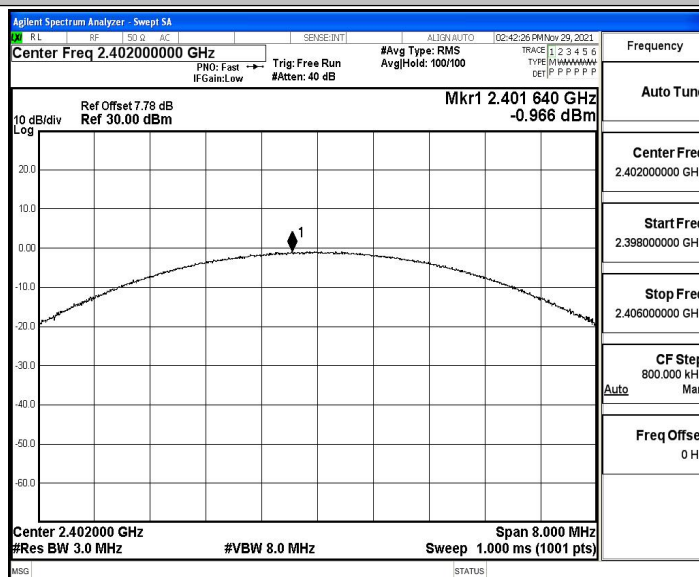


DH5\_Ant1\_2480

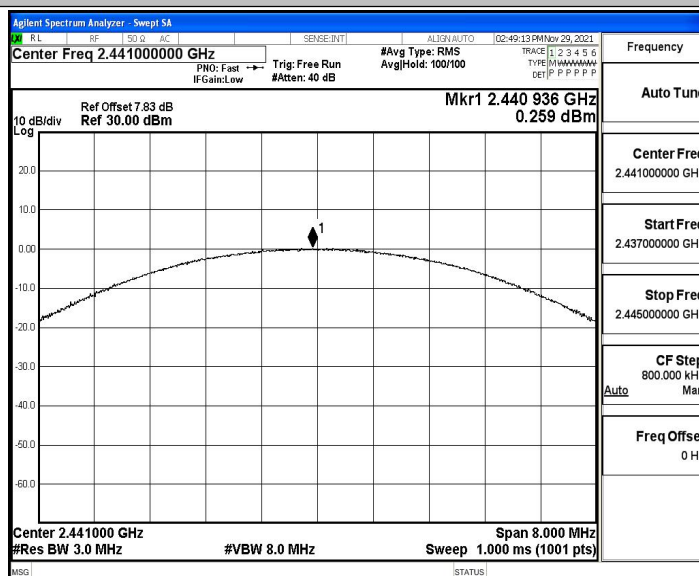




2DH5\_Ant1\_2402

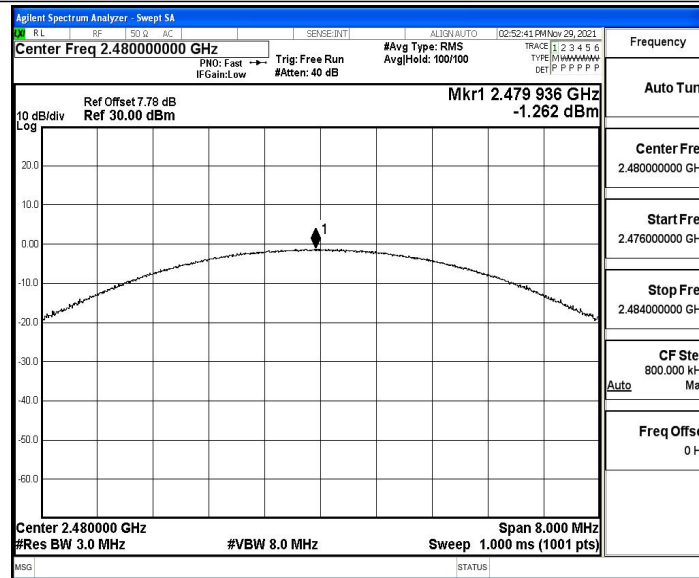


2DH5\_Ant1\_2441

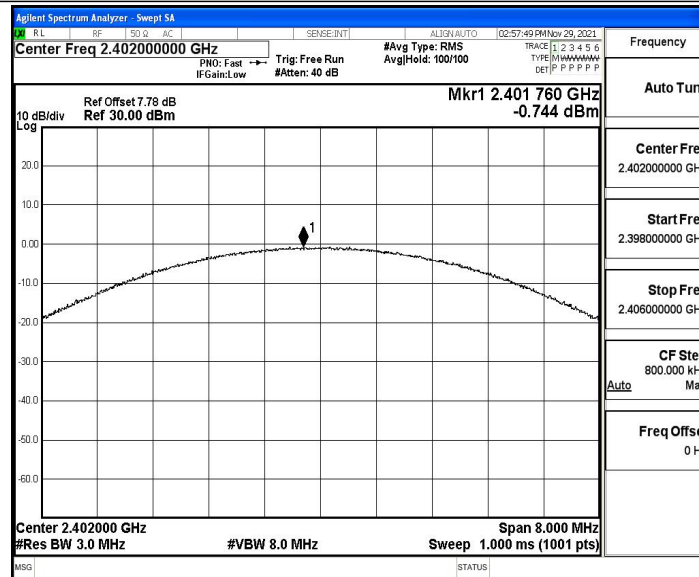




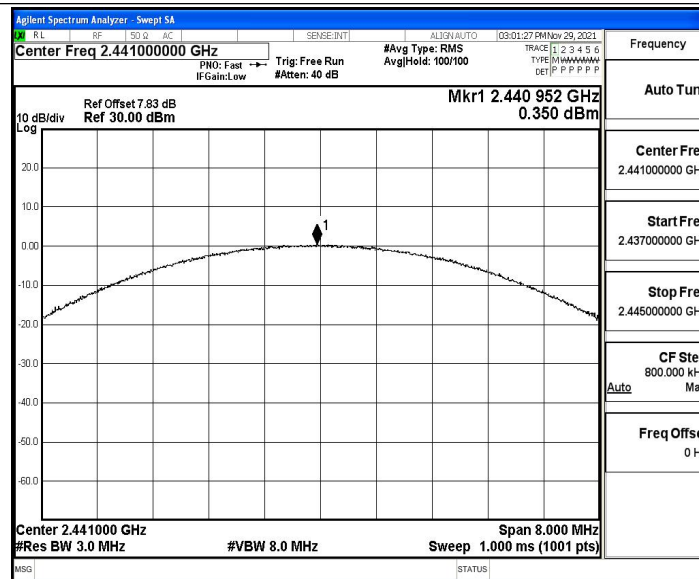
## 2DH5\_Ant1\_2480



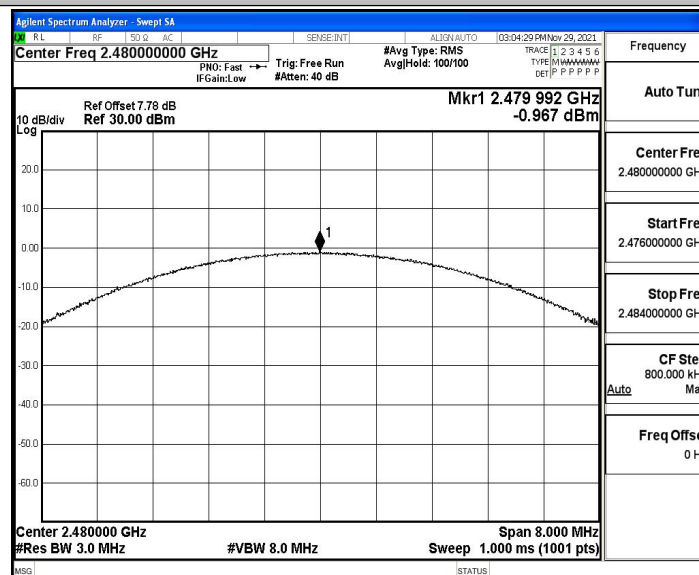
## 3DH5\_Ant1\_2402



## 3DH5\_Ant1\_2441



3DH5\_Ant1\_2480





## A.3 Carrier frequency separation

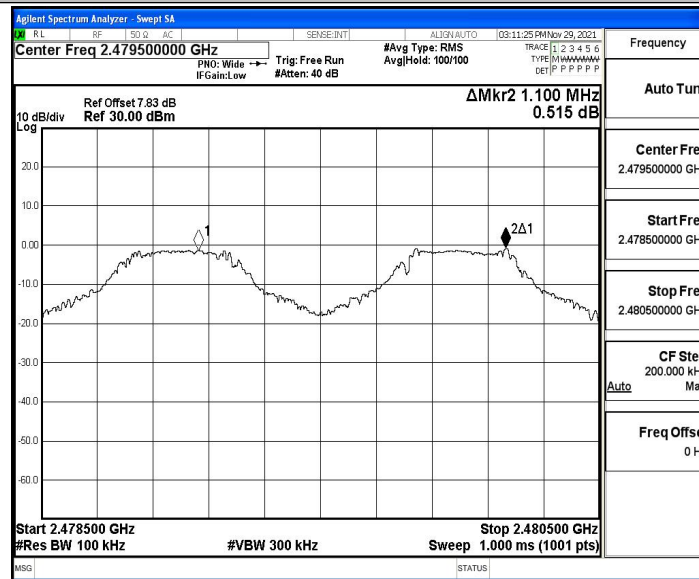
### Test Result

| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH5      | Ant1    | Hop     | 1.1         | $\geq 0.698$ | PASS    |
| 2DH5     | Ant1    | Hop     | 1.01        | $\geq 0.878$ | PASS    |
| 3DH5     | Ant1    | Hop     | 0.938       | $\geq 0.878$ | PASS    |

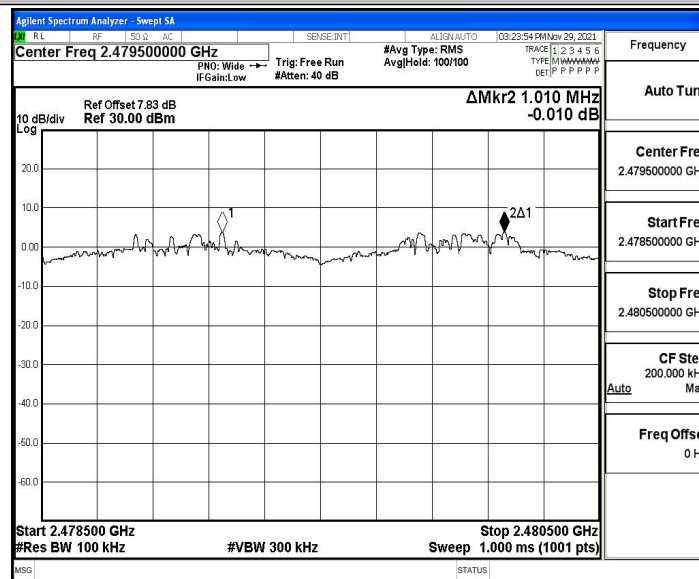


## Test Graphs

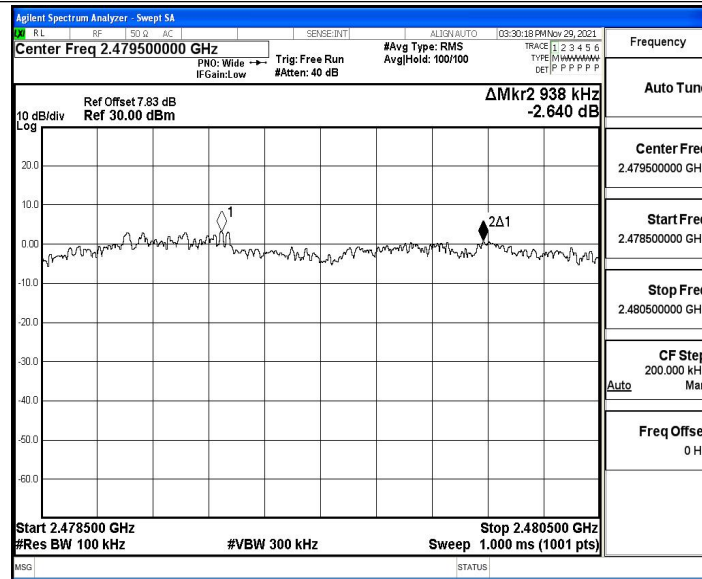
DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop





## A.4 Time of occupancy

### Test Result

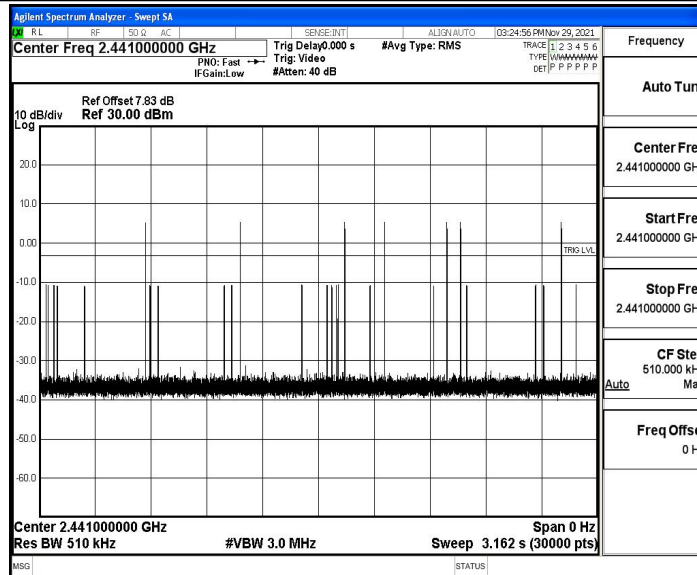
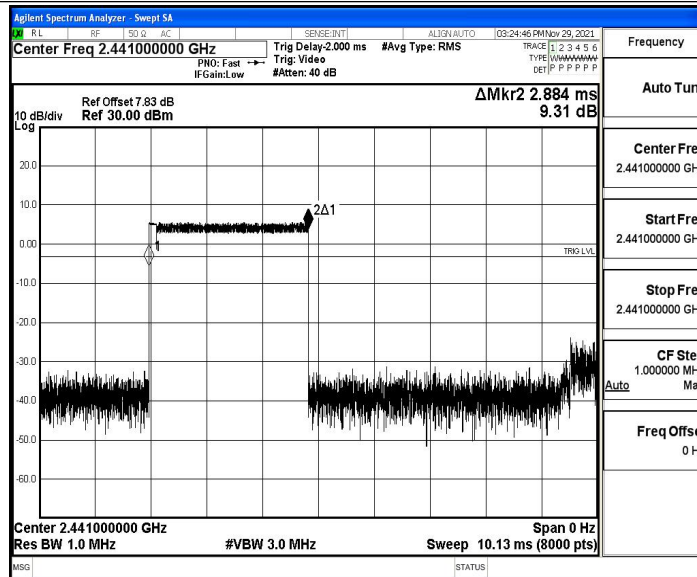
| TestMode | Antenna | Channel | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop     | 2.88               | 100                | 0.288     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop     | 2.88               | 80                 | 0.231     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop     | 2.89               | 60                 | 0.173     | ≤0.4     | PASS    |



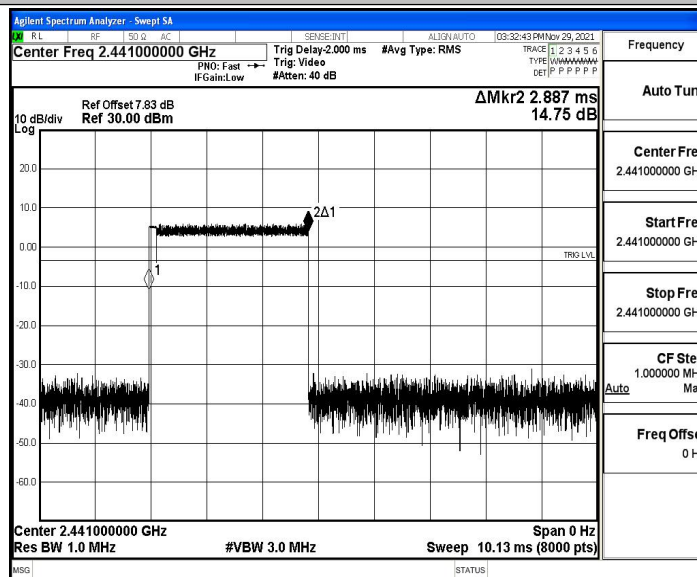
FCC ID: 2A3W6-SNAPODS

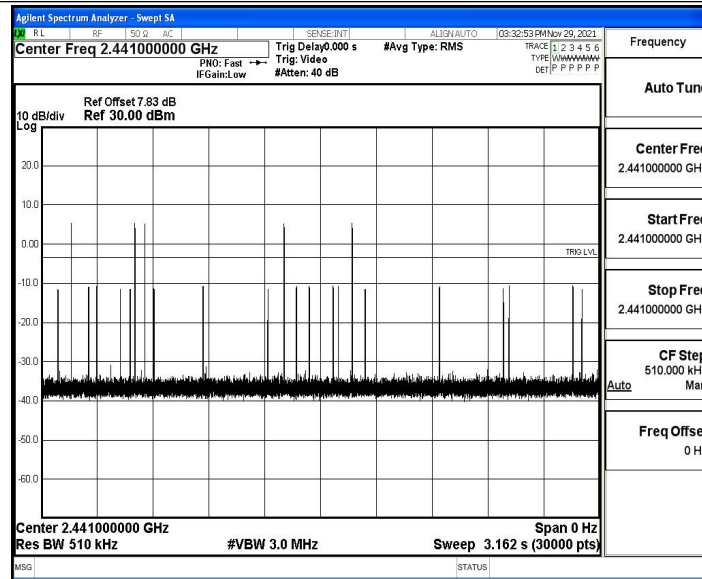
Report No.: LCS211122068AEA





## 3DH5\_Ant1\_Hop







## A.5 Number of hopping channels

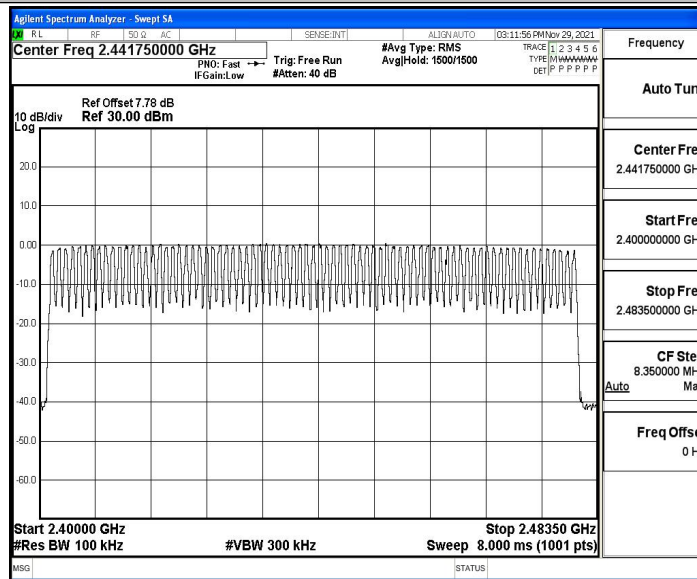
### Test Result

| 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    |

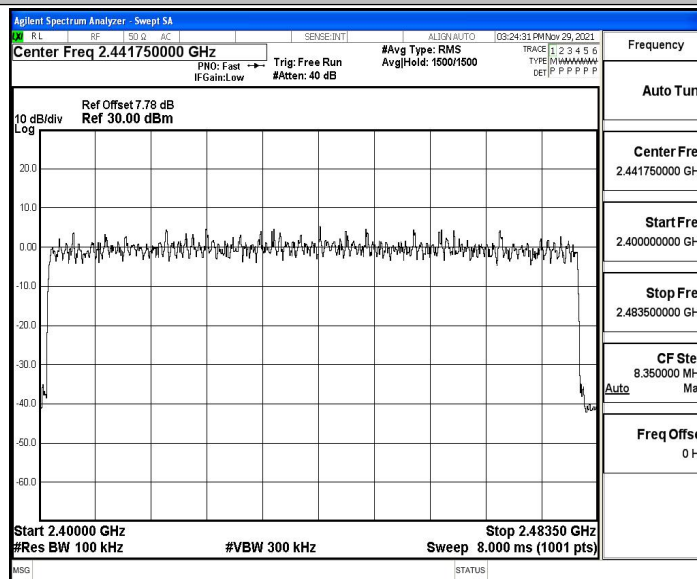


## Test Graphs

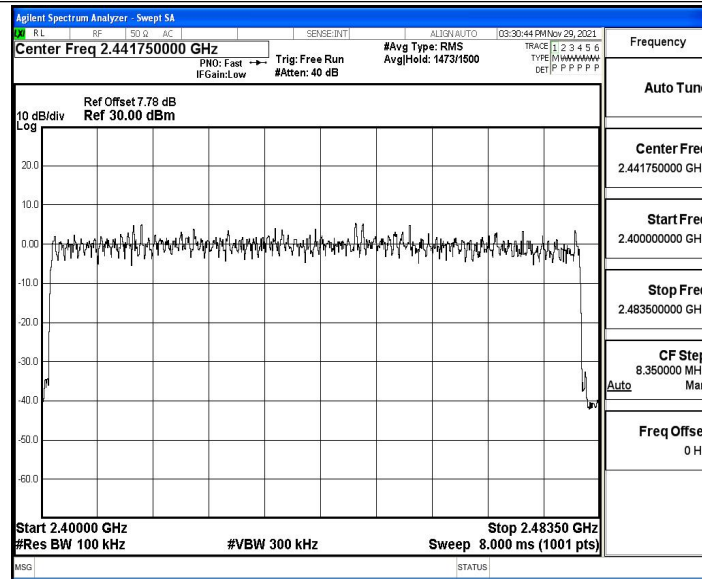
DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop





## A.6 Band edge measurements

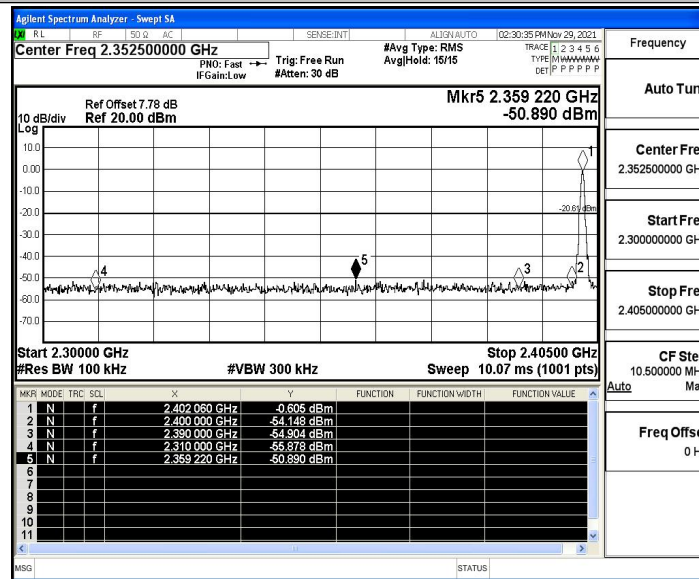
### Test Result

| TestMode | Antenna | ChName | Channel  | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|----------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402     | -0.61             | -50.89          | $\leq -20.61$  | PASS    |
|          |         | High   | 2480     | -0.93             | -50.24          | $\leq -20.93$  | PASS    |
|          |         | Low    | Hop_2402 | -0.78             | -49.44          | $\leq -20.78$  | PASS    |
|          |         | High   | Hop_2480 | 0.05              | -48.04          | $\leq -19.95$  | PASS    |
| 2DH5     | Ant1    | Low    | 2402     | -2.34             | -50.49          | $\leq -22.34$  | PASS    |
|          |         | High   | 2480     | -2.93             | -49.25          | $\leq -22.93$  | PASS    |
|          |         | Low    | Hop_2402 | 2.56              | -49.99          | $\leq -17.44$  | PASS    |
|          |         | High   | Hop_2480 | 2.67              | -47.36          | $\leq -17.33$  | PASS    |
| 3DH5     | Ant1    | Low    | 2402     | -6.38             | -51.04          | $\leq -26.38$  | PASS    |
|          |         | High   | 2480     | -3.61             | -49.22          | $\leq -23.61$  | PASS    |
|          |         | Low    | Hop_2402 | 3.11              | -49.5           | $\leq -16.89$  | PASS    |
|          |         | High   | Hop_2480 | 3.46              | -47.97          | $\leq -16.54$  | PASS    |

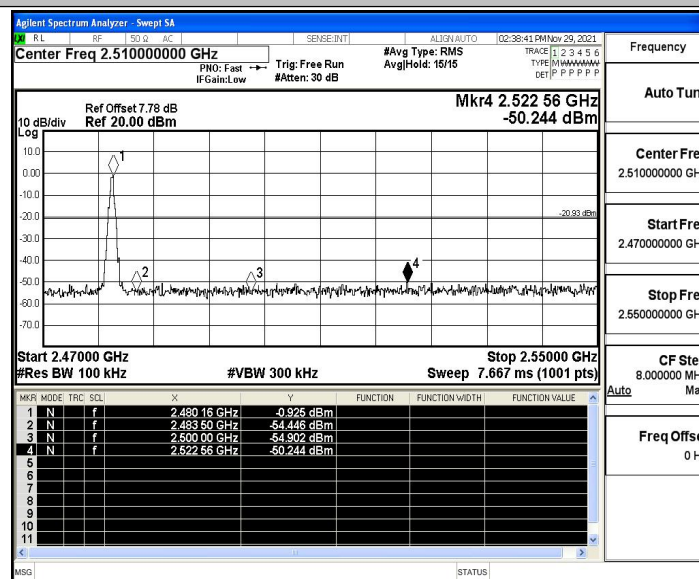


## Test Graphs

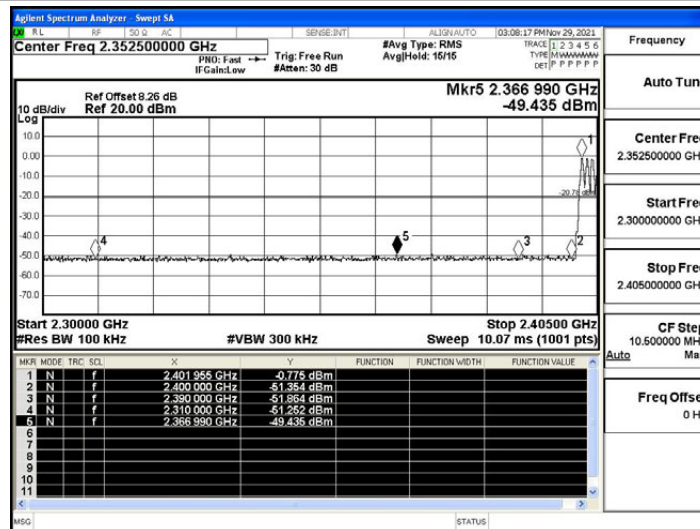
DH5\_Ant1\_Low\_2402



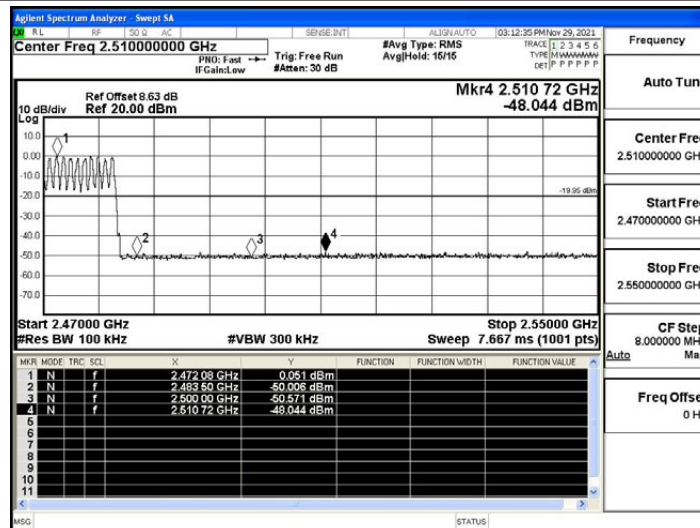
DH5\_Ant1\_High\_2480



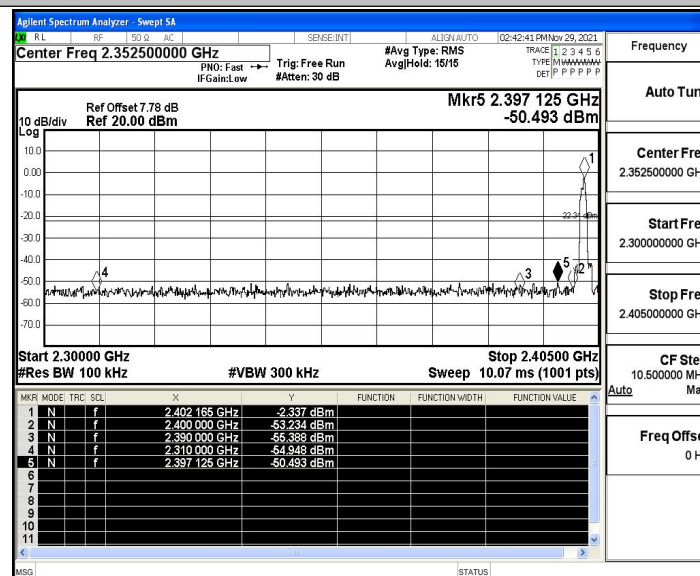
DH5\_Ant1\_Low\_Hop\_2402



DH5\_Ant1\_High\_Hop\_2480

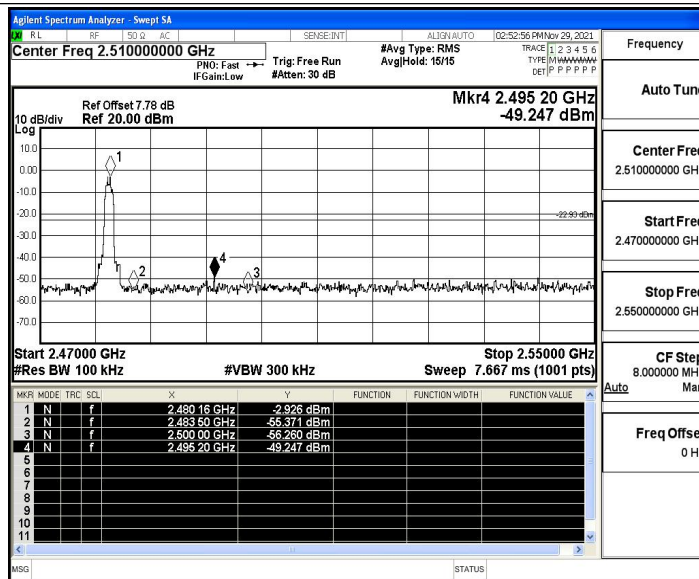


2DH5\_Ant1\_Low\_2402

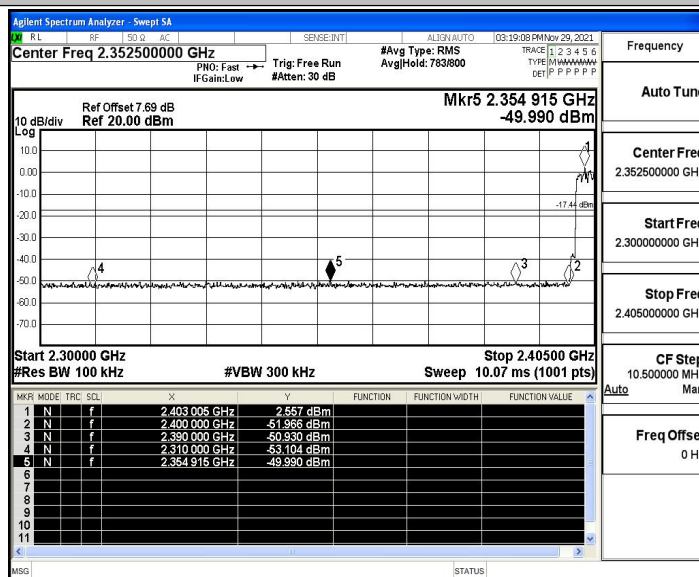


2DH5\_Ant1\_High\_2480

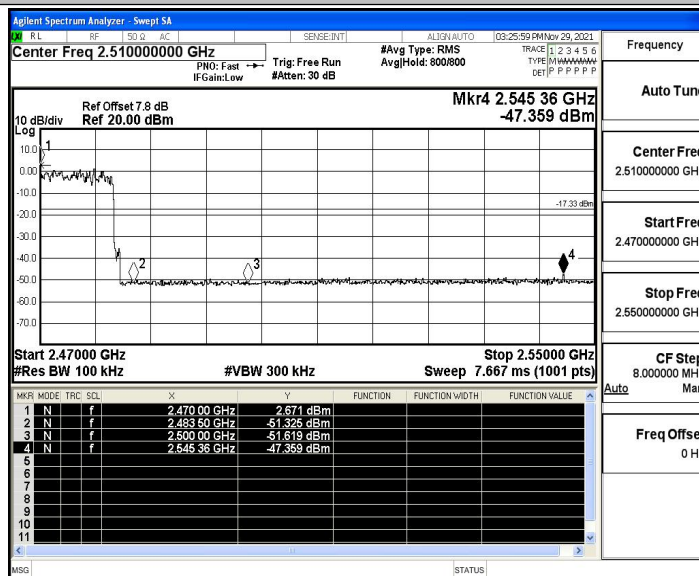




2DH5\_Ant1\_Low\_Hop\_2402

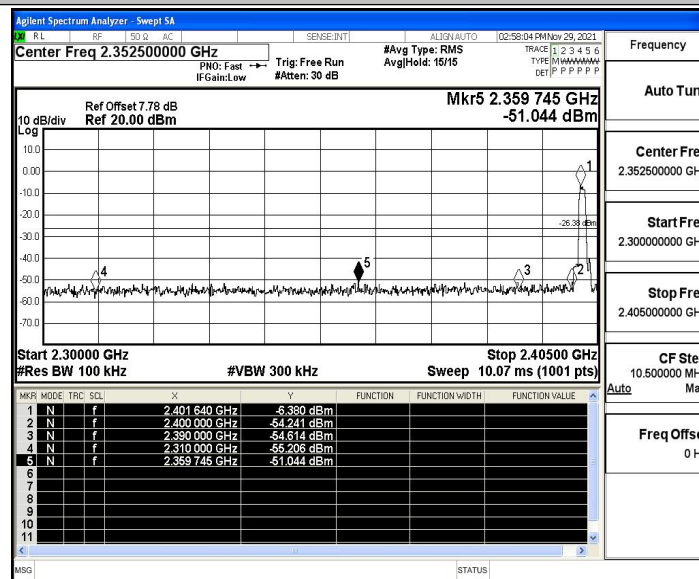


2DH5\_Ant1\_High\_Hop\_2480

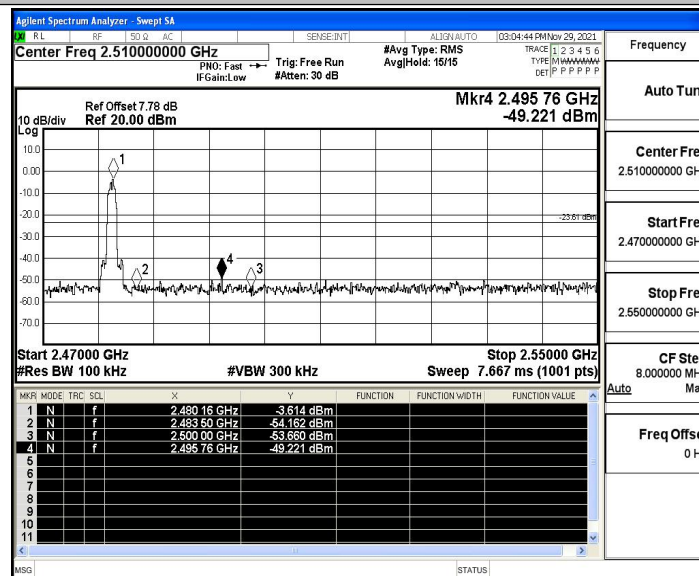




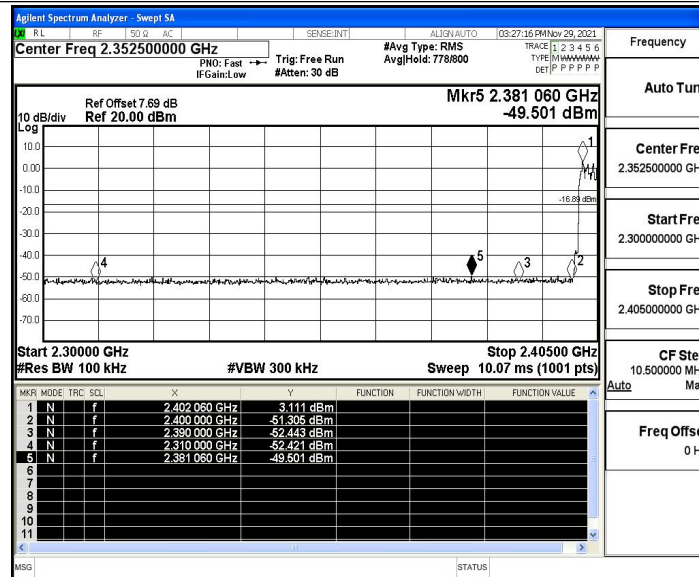
## 3DH5\_Ant1\_Low\_2402



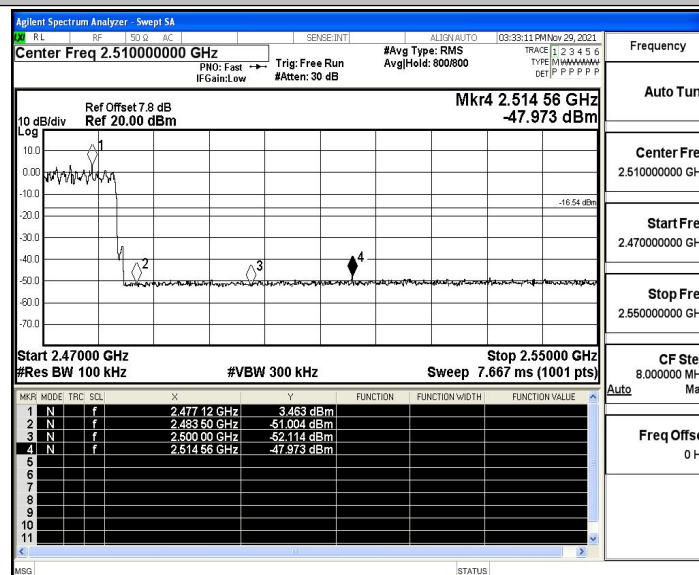
## 3DH5\_Ant1\_High\_2480



## 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          | -1.21             | -1.21           | ---            | PASS    |
|          |         |         | 30~1000            | -1.21             | -61.69          | $\leq -21.21$  | PASS    |
|          |         |         | 1000~26500         | -1.21             | -47.5           | $\leq -21.21$  | PASS    |
|          |         | 2441    | Reference          | 0.48              | 0.48            | ---            | PASS    |
|          |         |         | 30~1000            | 0.48              | -61.58          | $\leq -19.52$  | PASS    |
|          |         |         | 1000~26500         | 0.48              | -46.55          | $\leq -19.52$  | PASS    |
|          |         | 2480    | Reference          | -1.24             | -1.24           | ---            | PASS    |
|          |         |         | 30~1000            | -1.24             | -61.76          | $\leq -21.24$  | PASS    |
|          |         |         | 1000~26500         | -1.24             | -46.99          | $\leq -21.24$  | PASS    |
| 2DH5     | Ant1    | 2402    | Reference          | -2.83             | -2.83           | ---            | PASS    |
|          |         |         | 30~1000            | -2.83             | -61.2           | $\leq -22.83$  | PASS    |
|          |         |         | 1000~26500         | -2.83             | -47.28          | $\leq -22.83$  | PASS    |
|          |         | 2441    | Reference          | -1.08             | -1.08           | ---            | PASS    |
|          |         |         | 30~1000            | -1.08             | -61.01          | $\leq -21.08$  | PASS    |
|          |         |         | 1000~26500         | -1.08             | -46.81          | $\leq -21.08$  | PASS    |
|          |         | 2480    | Reference          | -3.33             | -3.33           | ---            | PASS    |
|          |         |         | 30~1000            | -3.33             | -61.29          | $\leq -23.33$  | PASS    |
|          |         |         | 1000~26500         | -3.33             | -47.13          | $\leq -23.33$  | PASS    |
| 3DH5     | Ant1    | 2402    | Reference          | -2.03             | -2.03           | ---            | PASS    |
|          |         |         | 30~1000            | -2.03             | -61.98          | $\leq -22.03$  | PASS    |
|          |         |         | 1000~26500         | -2.03             | -47.35          | $\leq -22.03$  | PASS    |
|          |         | 2441    | Reference          | -4.20             | -4.20           | ---            | PASS    |
|          |         |         | 30~1000            | -4.20             | -61.16          | $\leq -24.2$   | PASS    |
|          |         |         | 1000~26500         | -4.20             | -46.9           | $\leq -24.2$   | PASS    |
|          |         | 2480    | Reference          | -3.64             | -3.64           | ---            | PASS    |
|          |         |         | 30~1000            | -3.64             | -61.74          | $\leq -23.64$  | PASS    |
|          |         |         | 1000~26500         | -3.64             | -46.71          | $\leq -23.64$  | PASS    |