



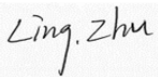

Appendix A

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

Product Name: Remote control

Test Model: RM-RX1

Environmental Conditions

| | |
|--------------------|-------------------------------------------------------------------------------------------------|
| Temperature: | 23.7°C |
| Relative Humidity: | 52.3% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: |  Ling Zhu |
| Supervised by: |  Li Huan |



A.1 20dB Emission Bandwidth

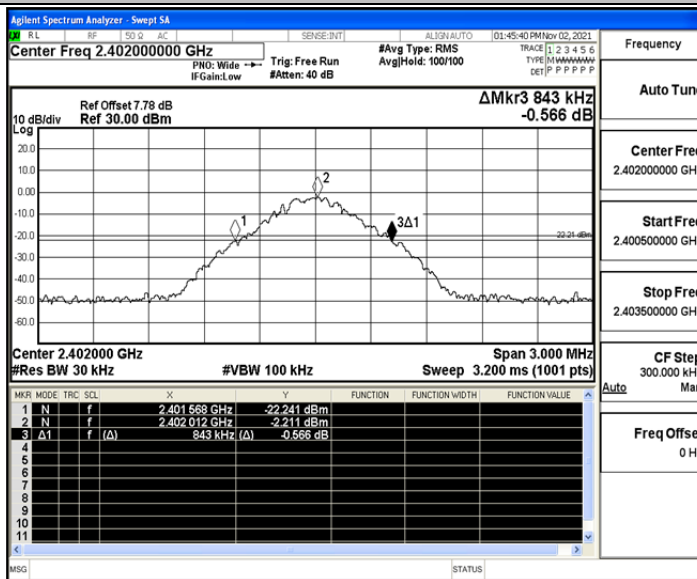
Test Result

| TestMode | Antenna | Channel | 20db EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5 | Ant1 | 2402 | 0.843 | 2401.568 | 2402.411 | --- | PASS |
| | | 2441 | 0.855 | 2440.559 | 2441.414 | --- | PASS |
| | | 2480 | 0.846 | 2479.568 | 2480.414 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 1.317 | 2401.340 | 2402.657 | --- | PASS |
| | | 2441 | 1.335 | 2440.328 | 2441.663 | --- | PASS |
| | | 2480 | 1.281 | 2479.364 | 2480.645 | --- | PASS |
| 3DH5 | Ant1 | 2402 | 1.335 | 2401.331 | 2402.666 | --- | PASS |
| | | 2441 | 1.266 | 2440.355 | 2441.621 | --- | PASS |
| | | 2480 | 1.287 | 2479.349 | 2480.636 | --- | PASS |

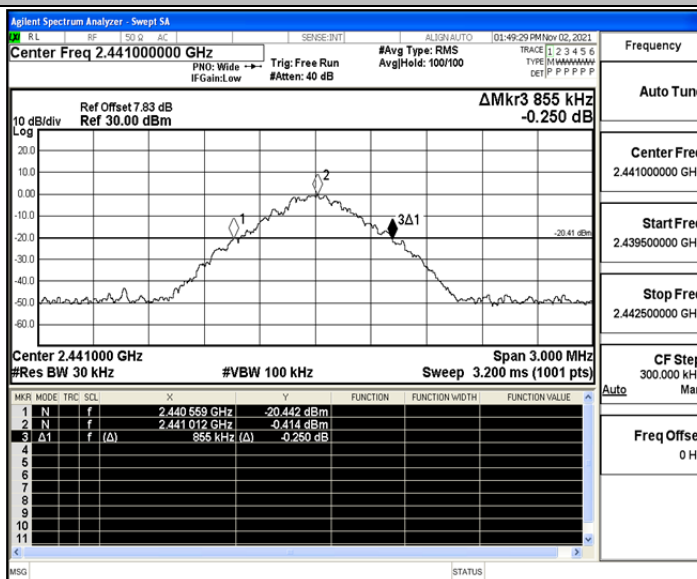


Test Graphs

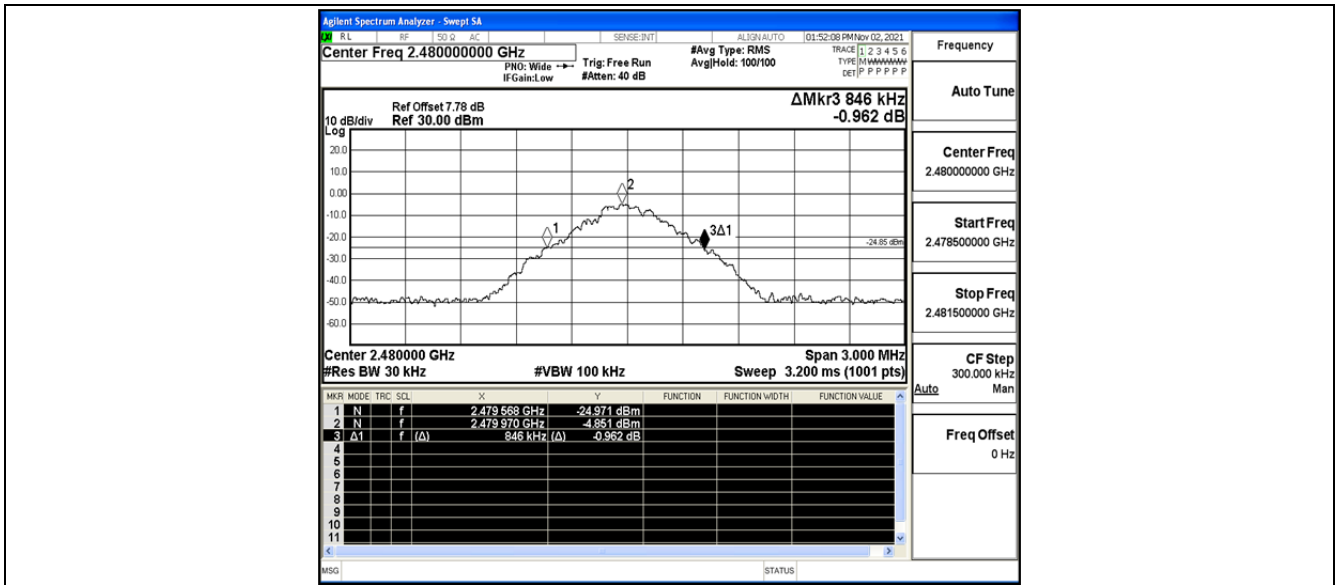
DH5_Ant1_2402



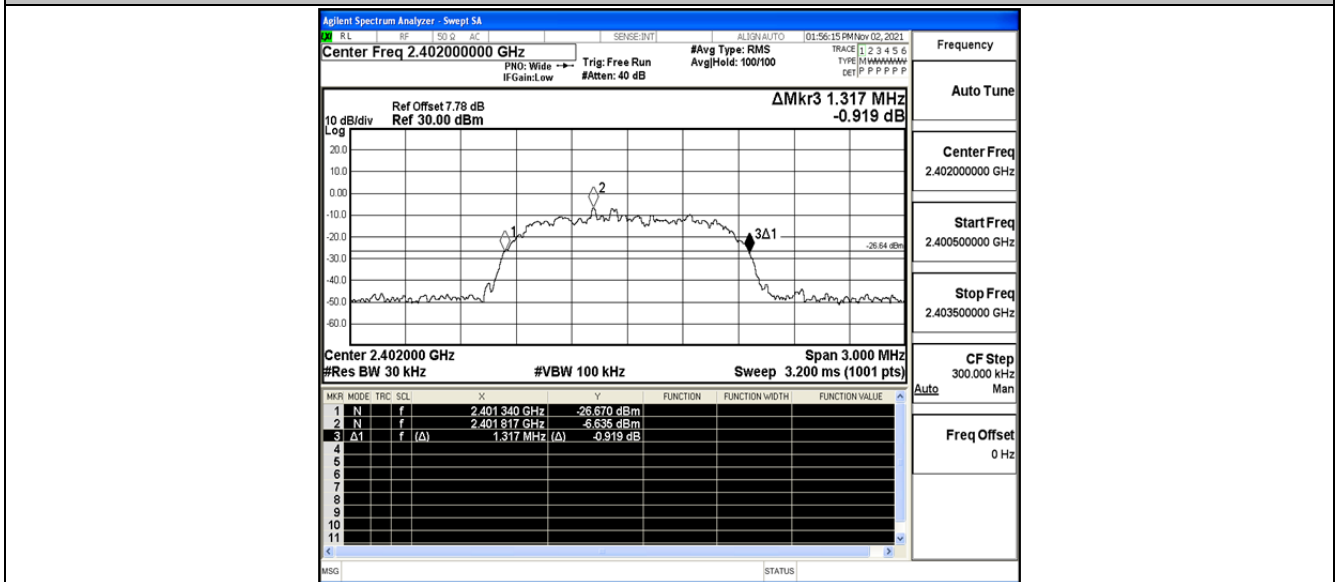
DH5_Ant1_2441



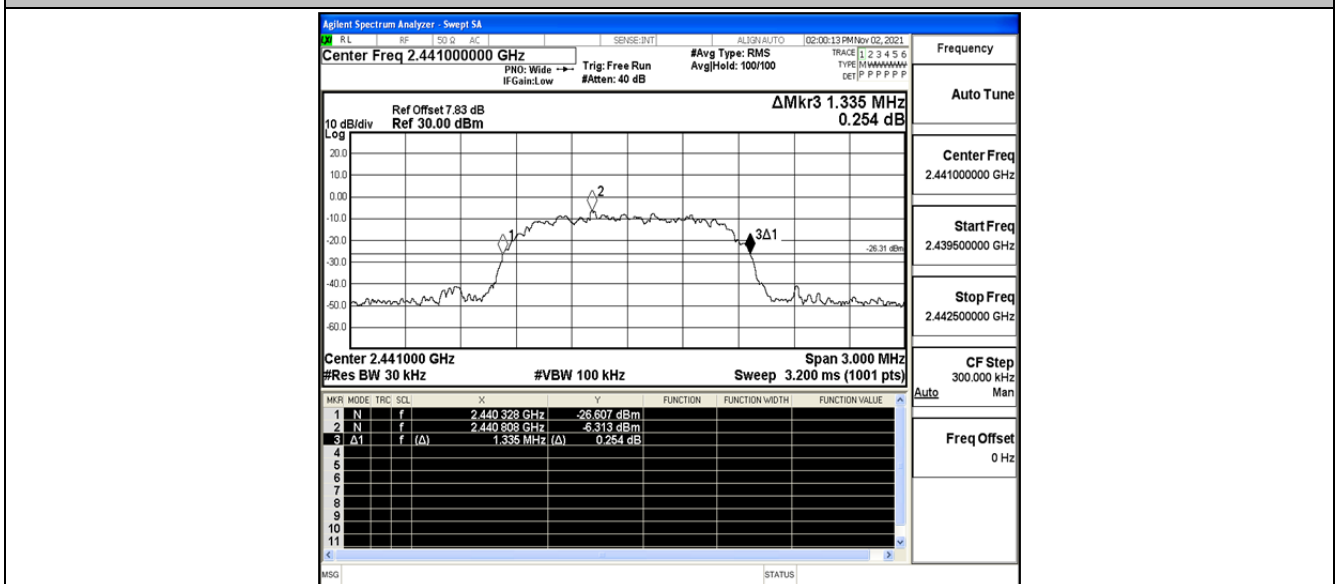
DH5_Ant1_2480



2DH5_Ant1_2402

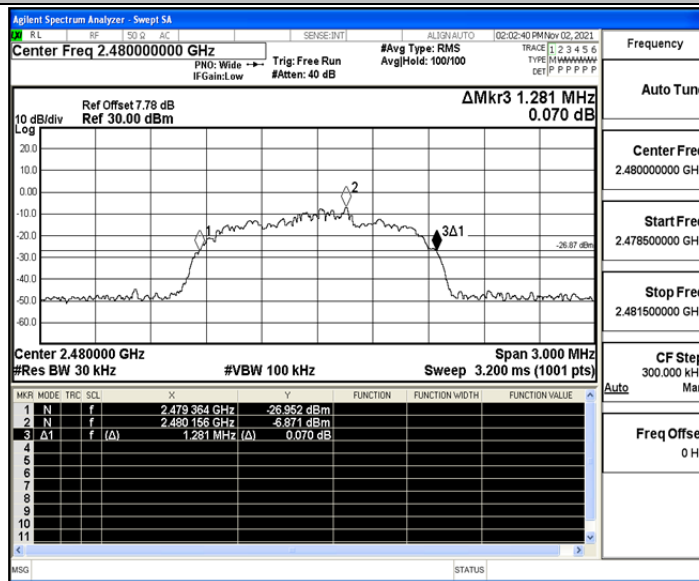


2DH5_Ant1_2441

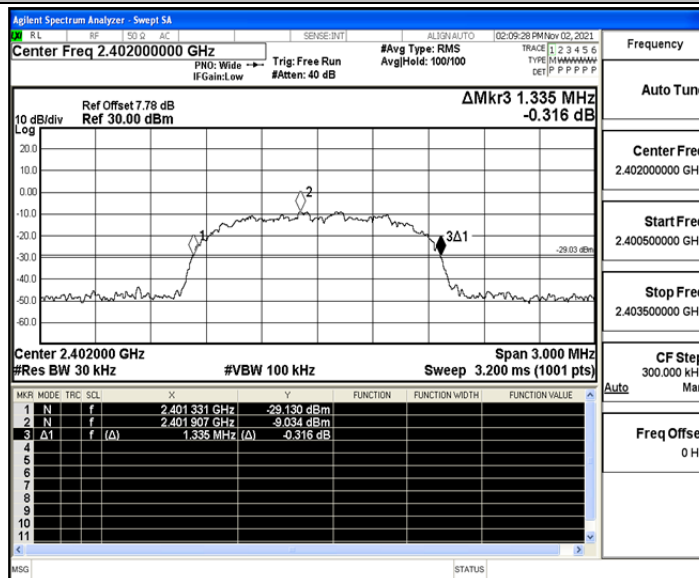




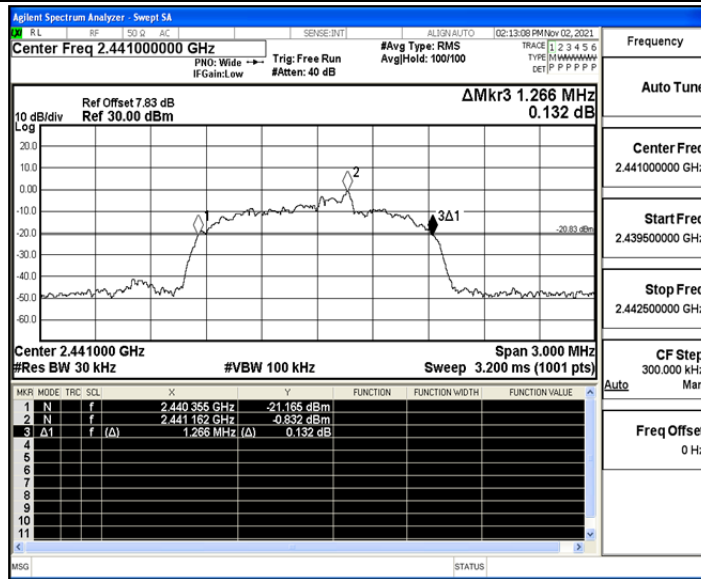
2DH5_Ant1_2480



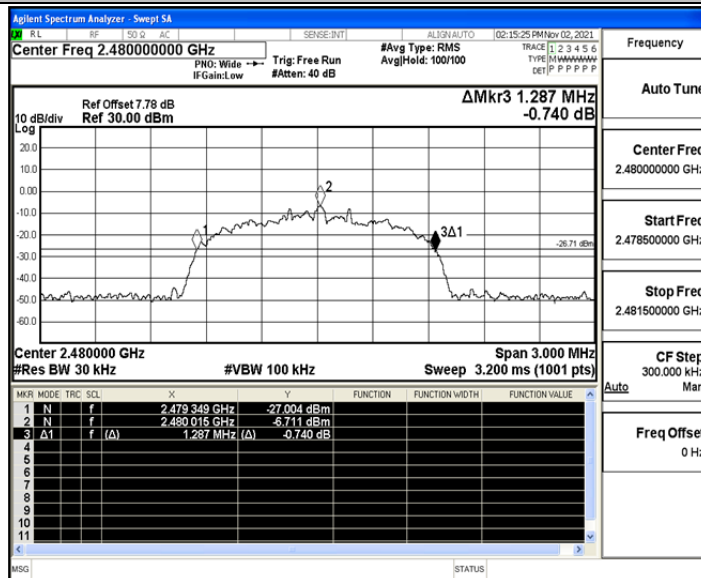
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

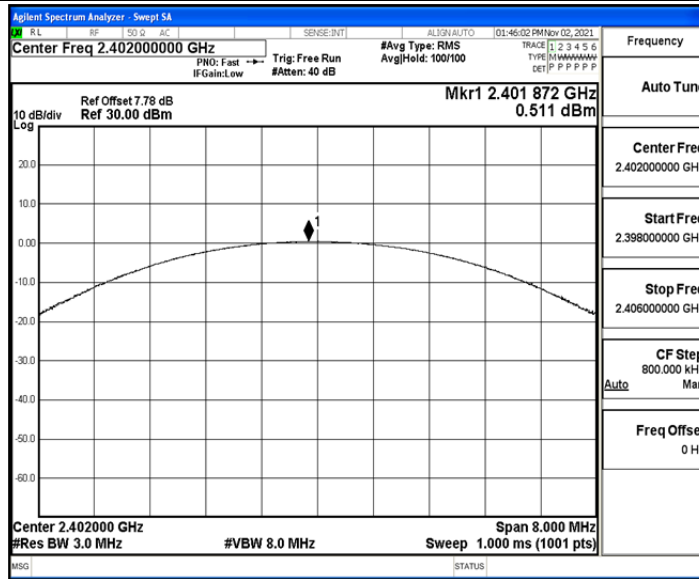
Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5 | Ant1 | 2402 | 0.51 | ≤20.97 | PASS |
| | | 2441 | 2.31 | ≤20.97 | PASS |
| | | 2480 | -1.87 | ≤20.97 | PASS |
| 2DH5 | Ant1 | 2402 | -0.22 | ≤20.97 | PASS |
| | | 2441 | 1.57 | ≤20.97 | PASS |
| | | 2480 | -2.49 | ≤20.97 | PASS |
| 3DH5 | Ant1 | 2402 | -0.17 | ≤20.97 | PASS |
| | | 2441 | 1.74 | ≤20.97 | PASS |
| | | 2480 | -2.45 | ≤20.97 | PASS |

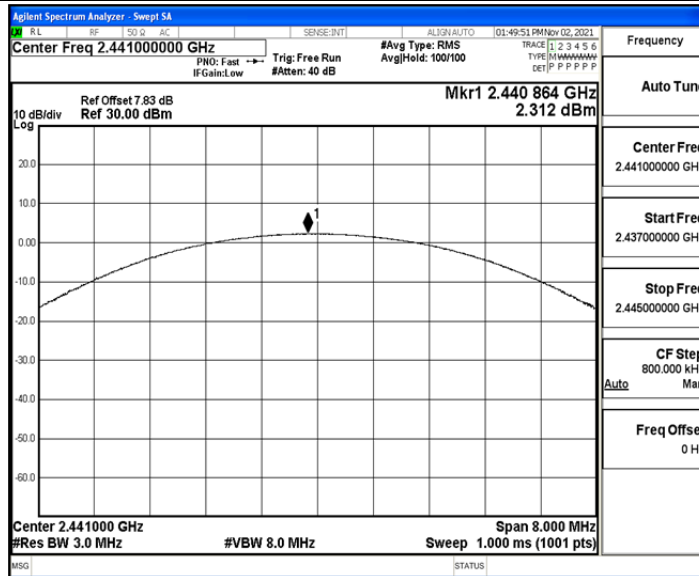


Test Graphs

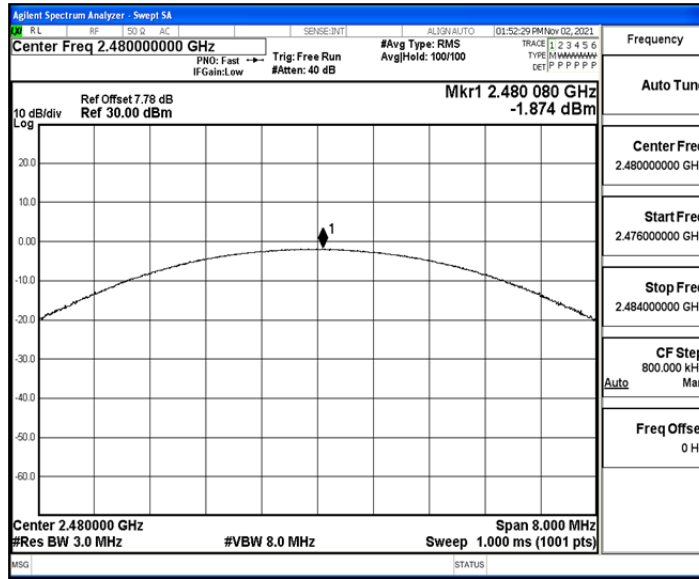
DH5_Ant1_2402



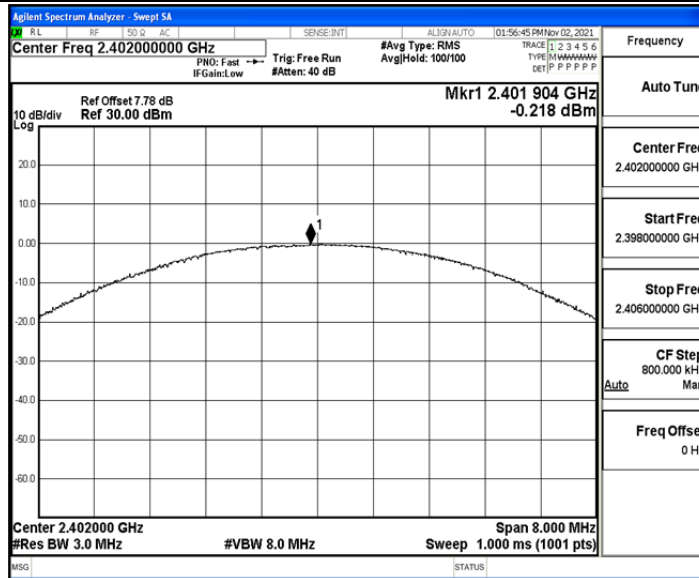
DH5_Ant1_2441



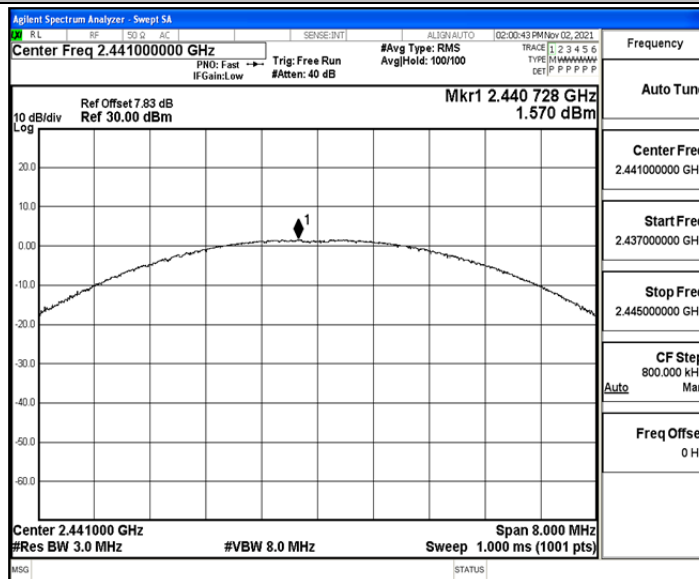
DH5_Ant1_2480



2DH5_Ant1_2402

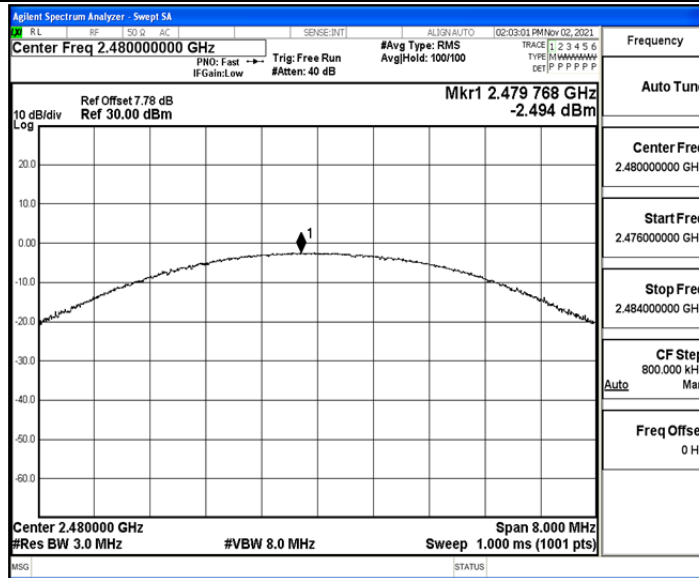


2DH5_Ant1_2441

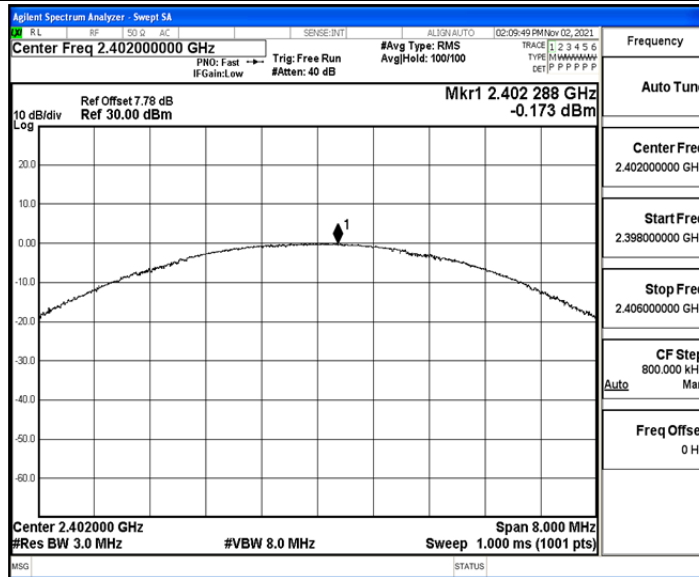




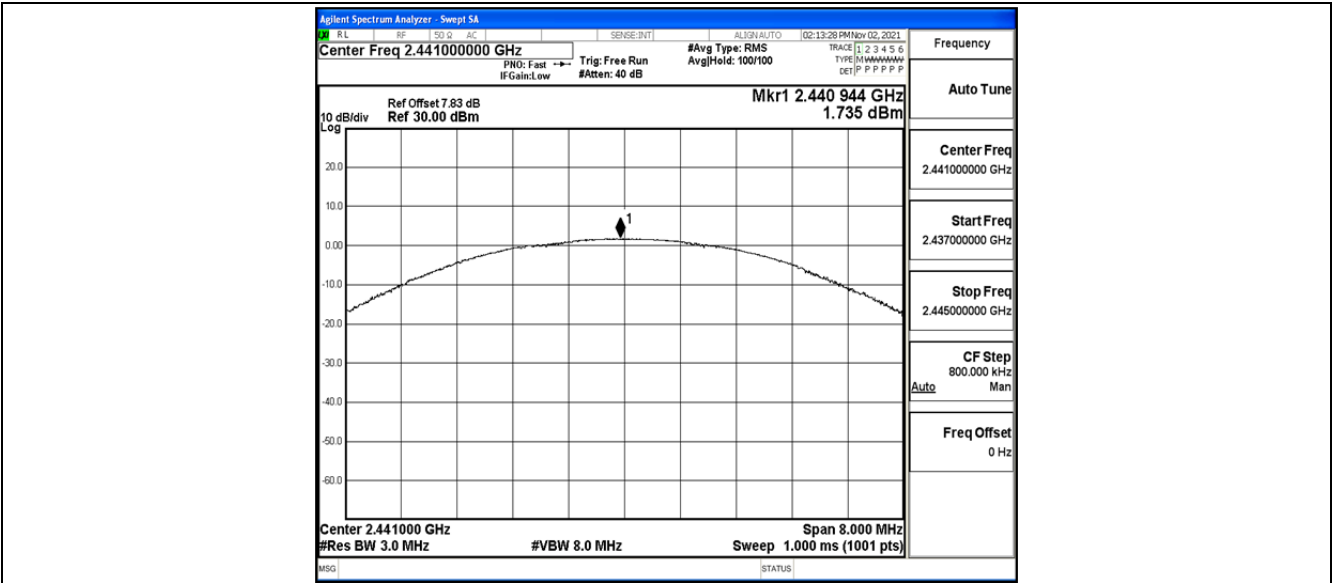
2DH5_Ant1_2480



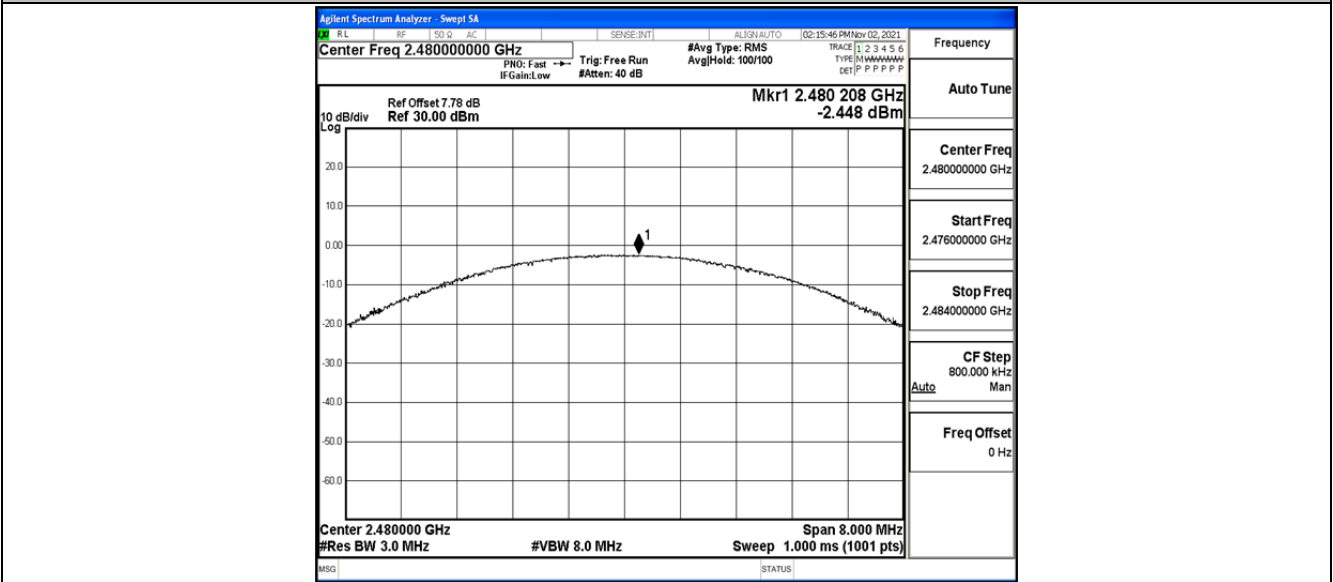
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

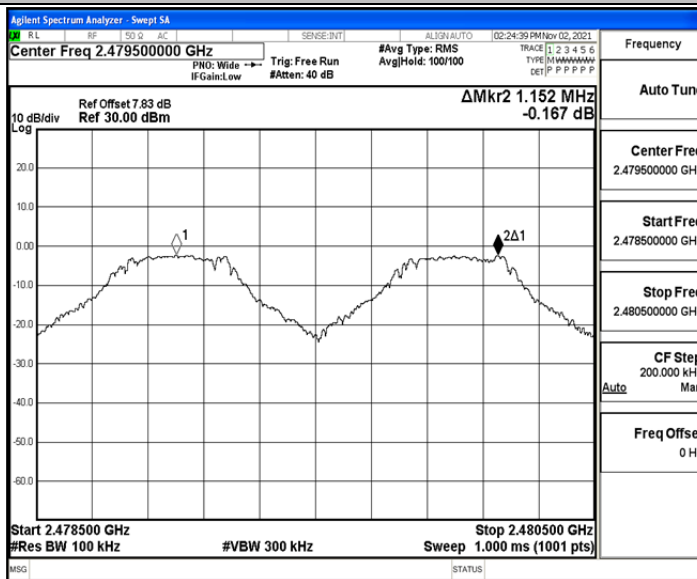
Test Result

| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5 | Ant1 | Hop | 1.152 | ≥0.855 | PASS |
| 2DH5 | Ant1 | Hop | 1.104 | ≥0.890 | PASS |
| 3DH5 | Ant1 | Hop | 1.18 | ≥0.890 | PASS |

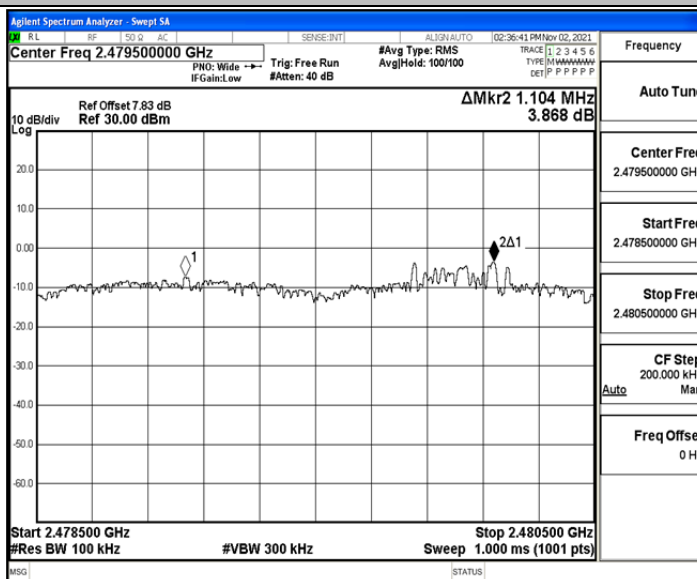


Test Graphs

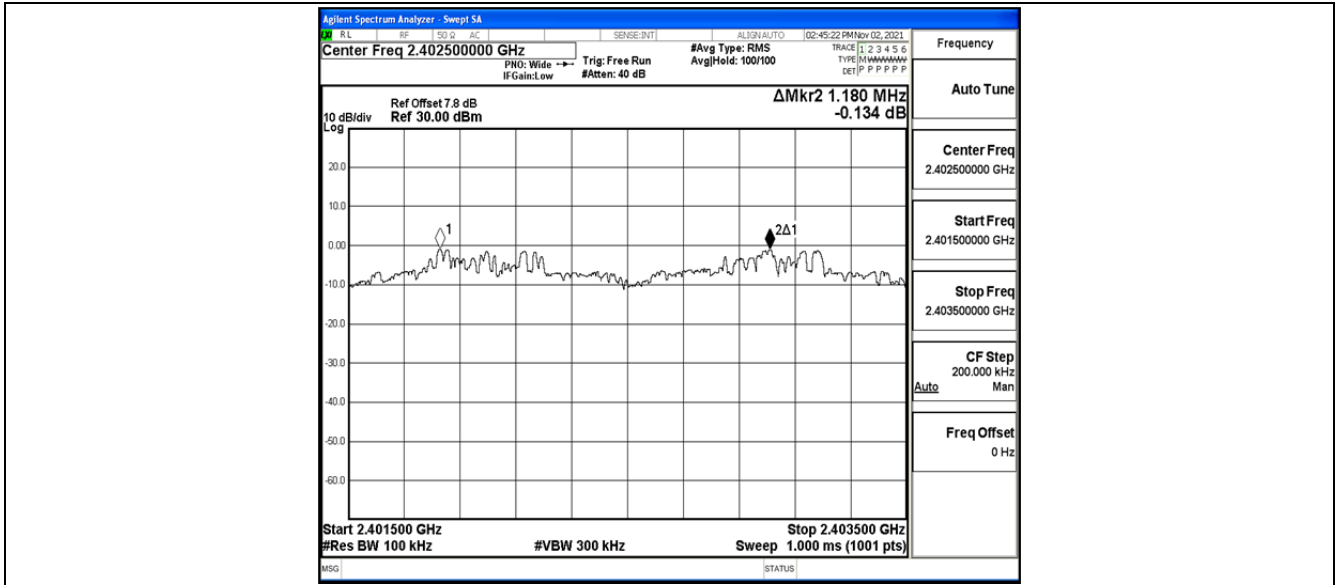
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

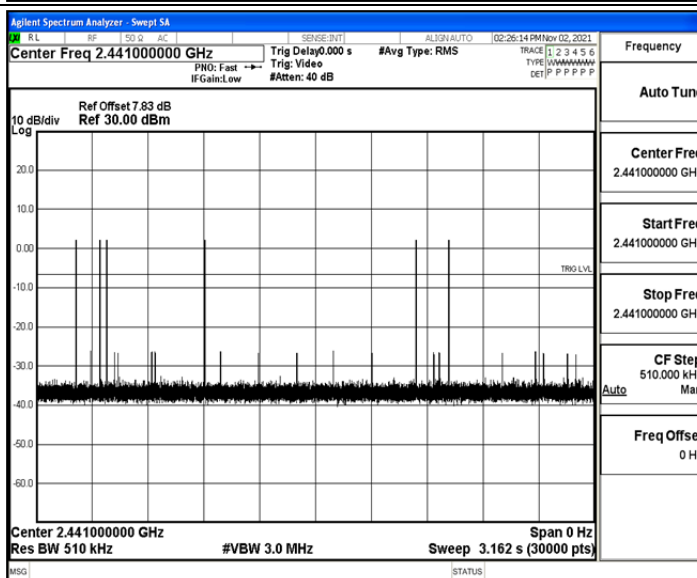
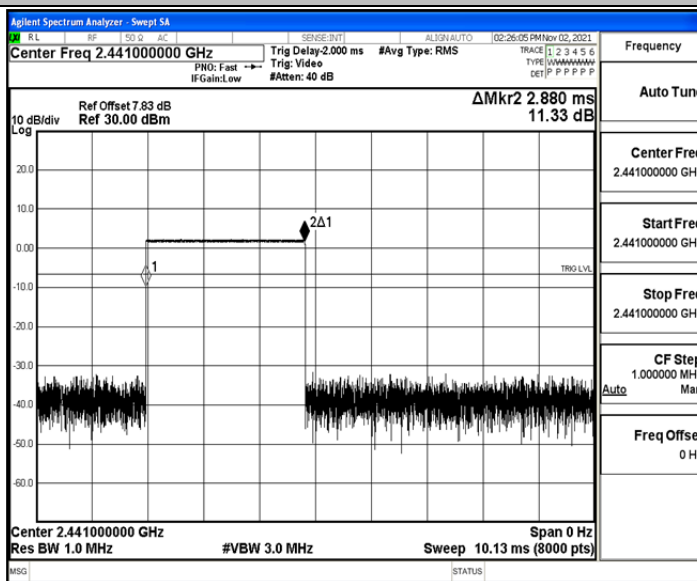
Test Result

| TestMode | Antenna | Channel | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|----------|---------|
| DH5 | Ant1 | Hop | 2.88 | 70 | 0.202 | ≤0.4 | PASS |
| 2DH5 | Ant1 | Hop | 2.88 | 100 | 0.288 | ≤0.4 | PASS |
| 3DH5 | Ant1 | Hop | 2.89 | 100 | 0.289 | ≤0.4 | PASS |

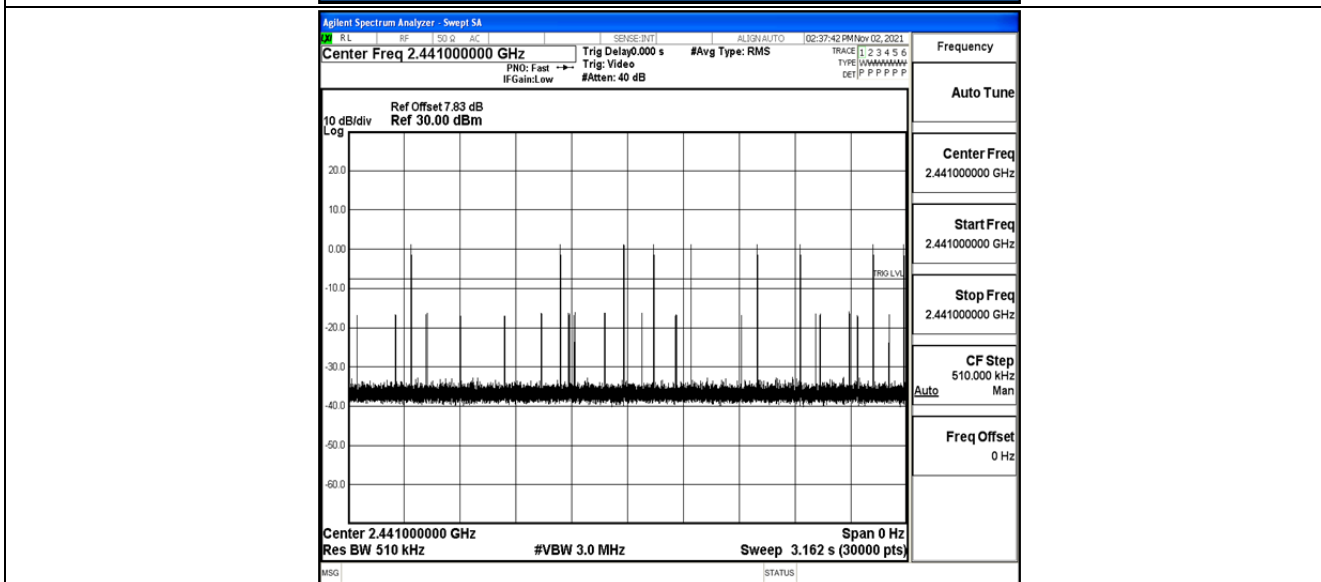
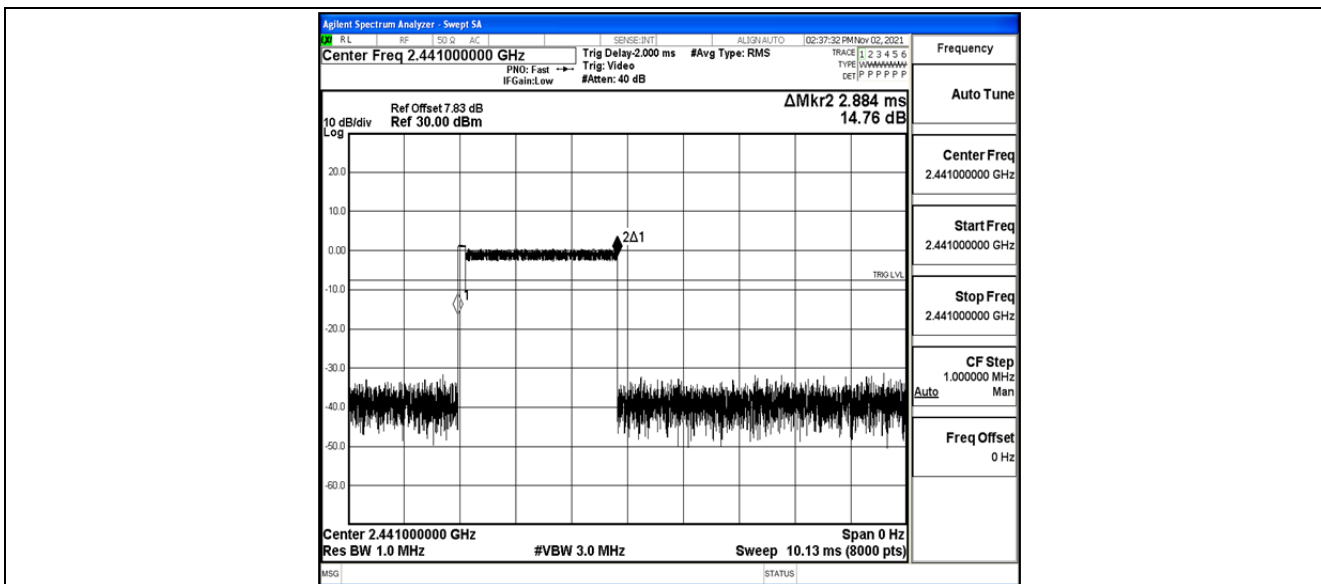


Test Graphs

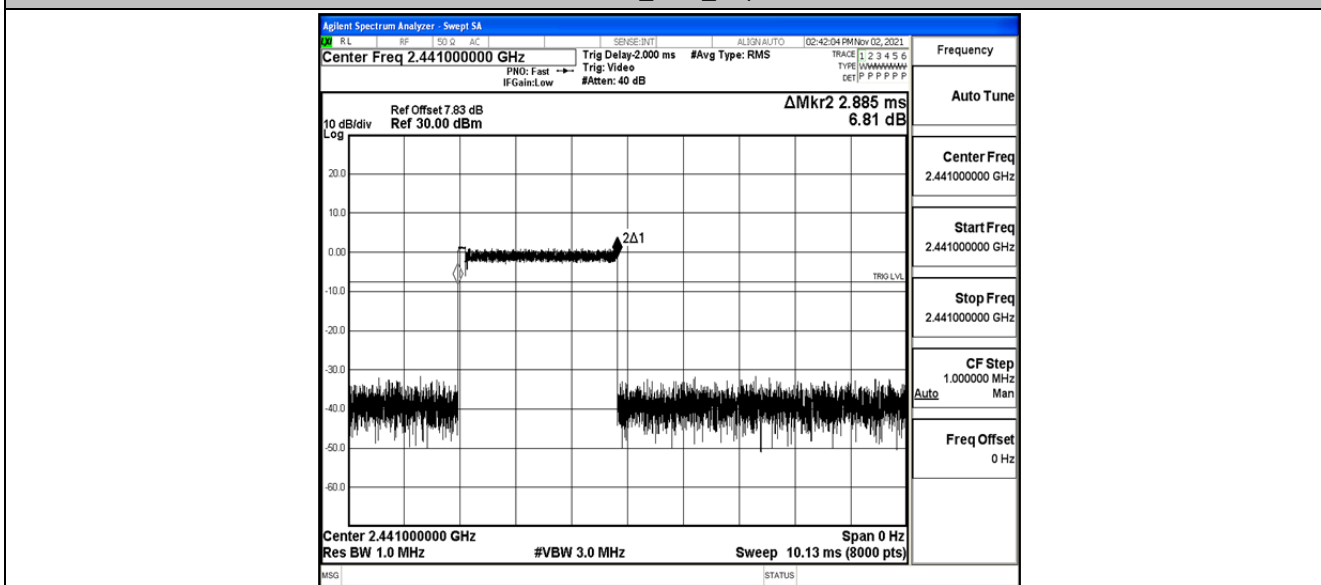
DH5_Ant1_Hop

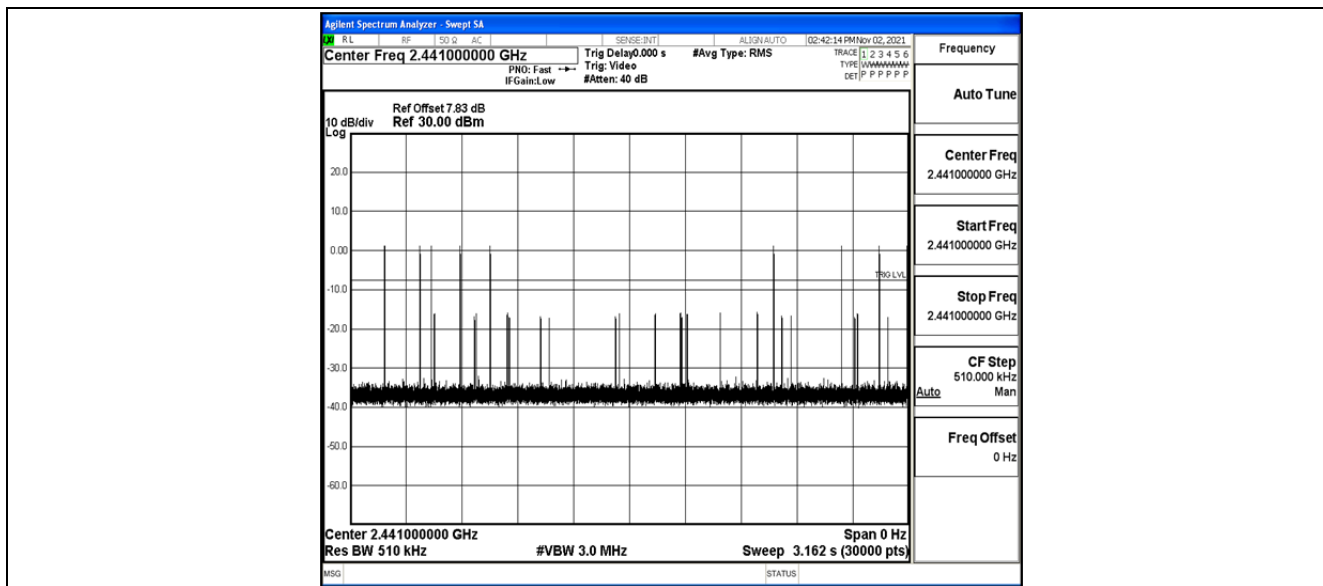


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

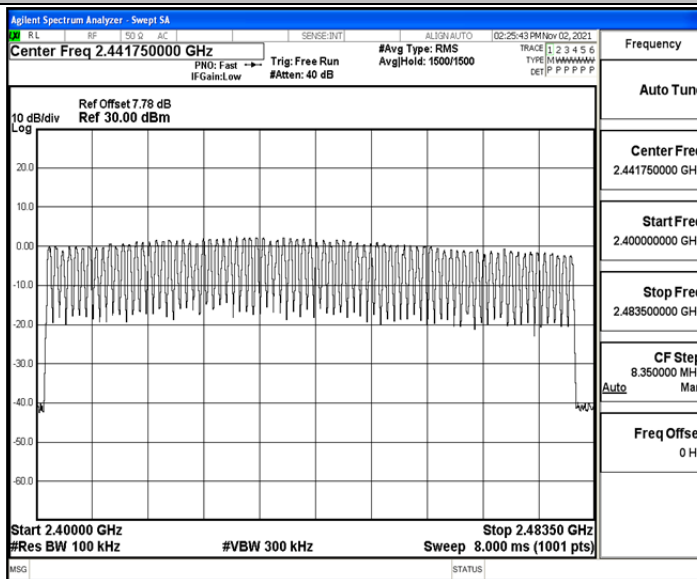
Test Result

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

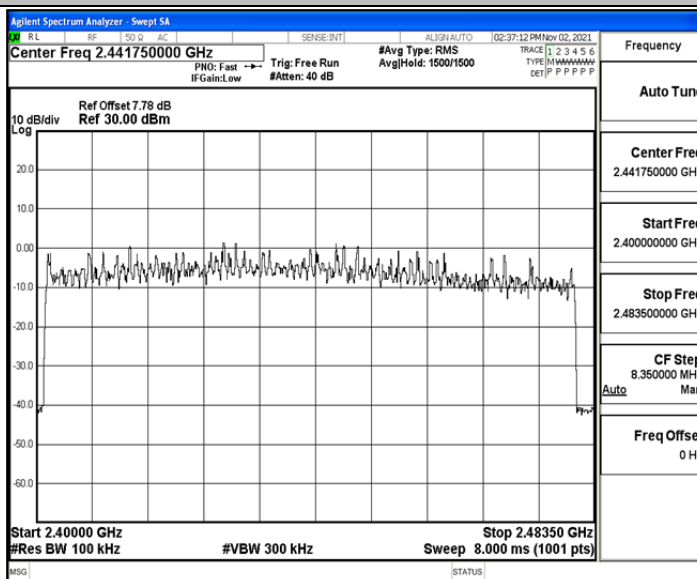


Test Graphs

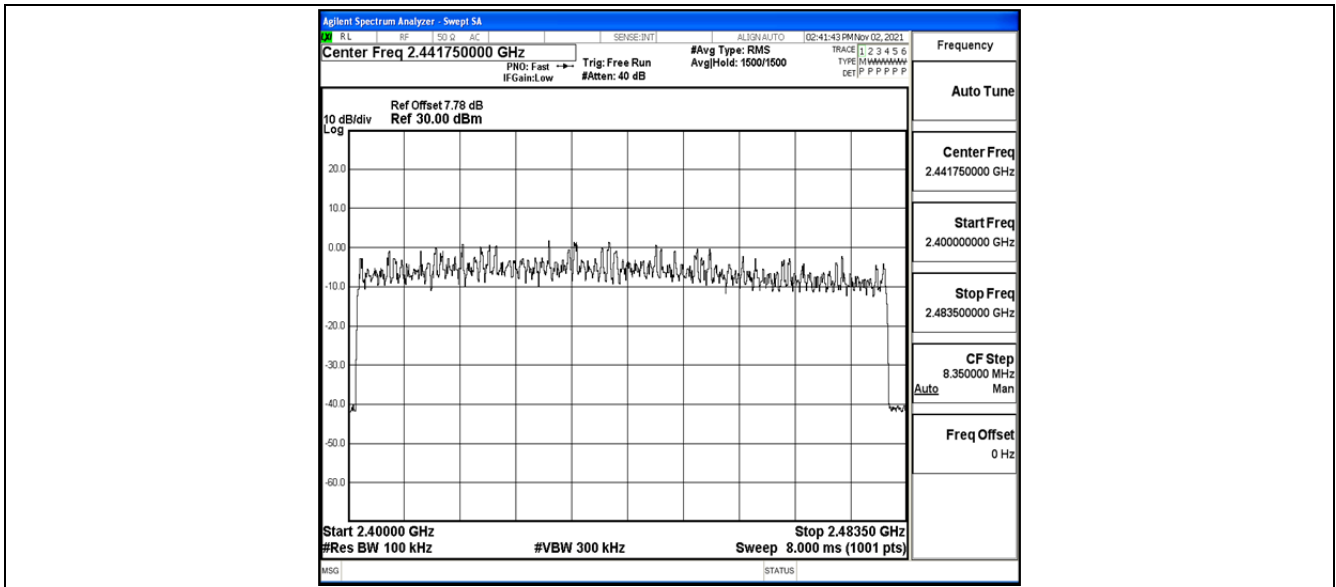
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

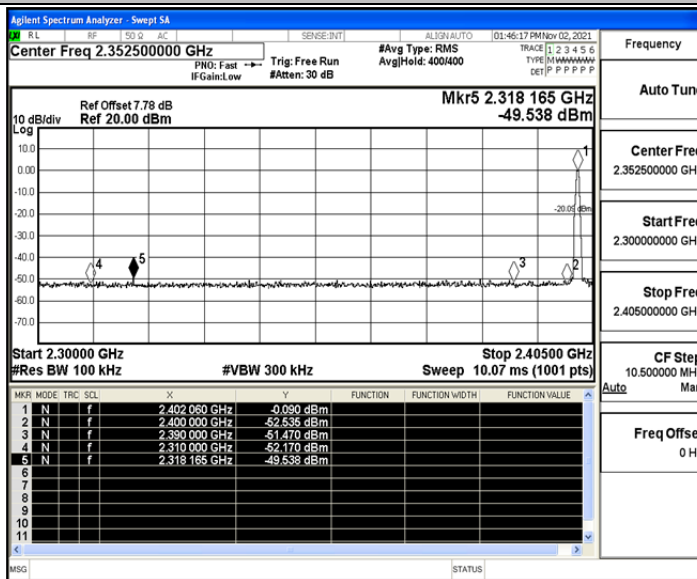
Test Result

| TestMode | Antenna | ChName | Channel | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------|----------------|--------------|---------------|---------|
| DH5 | Ant1 | Low | 2402 | -0.09 | -49.54 | ≤ -20.09 | PASS |
| | | High | 2480 | -2.27 | -49.23 | ≤ -22.27 | PASS |
| | | Low | Hop_2402 | -0.13 | -49.99 | ≤ -20.13 | PASS |
| | | High | Hop_2480 | -1.16 | -48.19 | ≤ -21.16 | PASS |
| 2DH5 | Ant1 | Low | 2402 | -0.59 | -50.06 | ≤ -20.59 | PASS |
| | | High | 2480 | -3.35 | -35.14 | ≤ -23.35 | PASS |
| | | Low | Hop_2402 | -5.80 | -50.16 | ≤ -25.8 | PASS |
| 3DH5 | Ant1 | Low | 2402 | -0.52 | -50.05 | ≤ -20.52 | PASS |
| | | High | 2480 | -2.92 | -47.91 | ≤ -22.92 | PASS |
| | | Low | Hop_2402 | -1.51 | -49.74 | ≤ -21.51 | PASS |
| | | High | Hop_2480 | -4.38 | -48.81 | ≤ -24.38 | PASS |

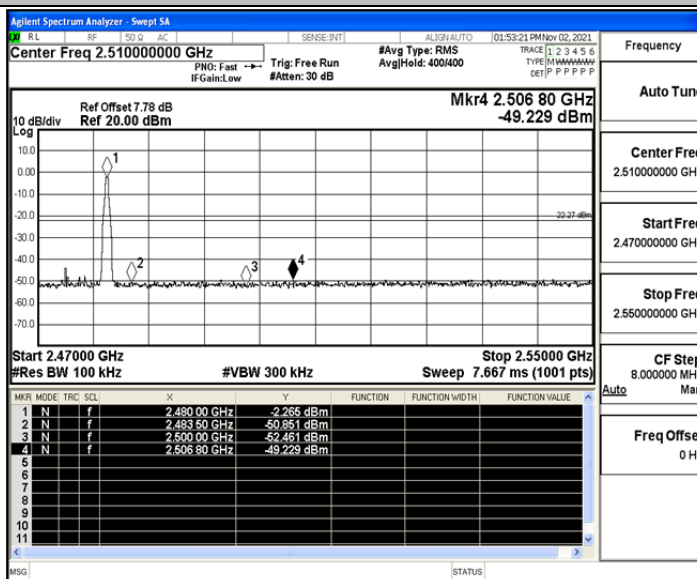


Test Graphs

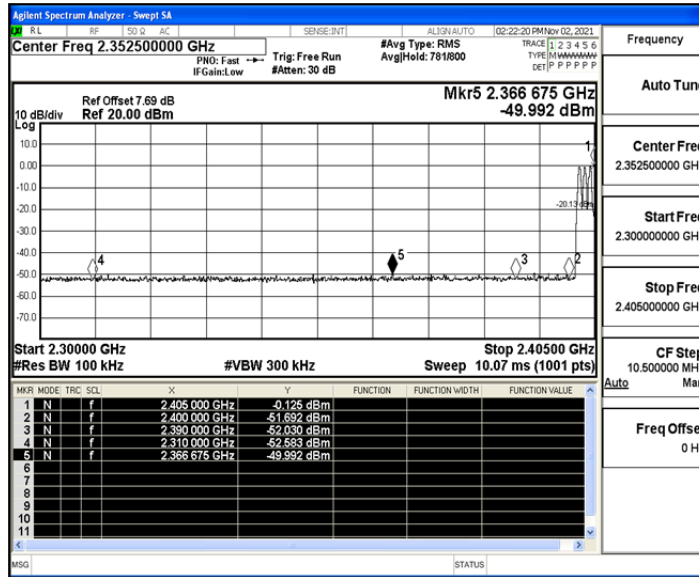
DH5_Ant1_Low_2402



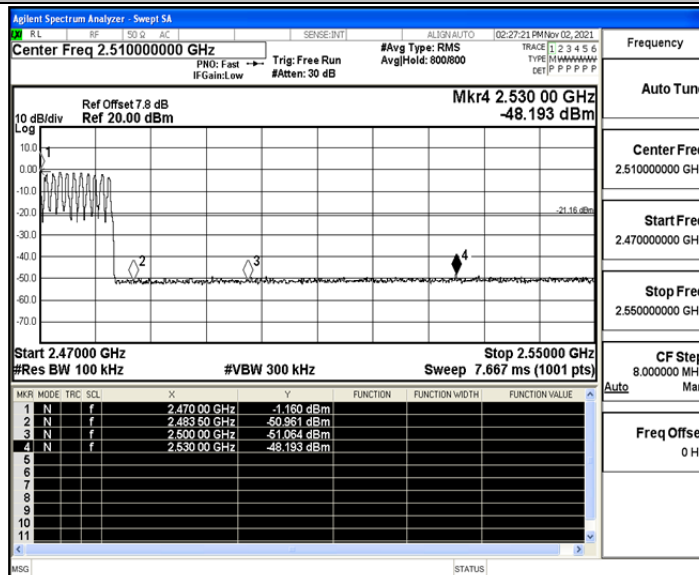
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

