

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: True Wireless Stereo Bluetooth Headset

Trade Mark: aigo

Test Model: TJ150

FCC ID: 2ASNB-TJ150

Environmental Conditions

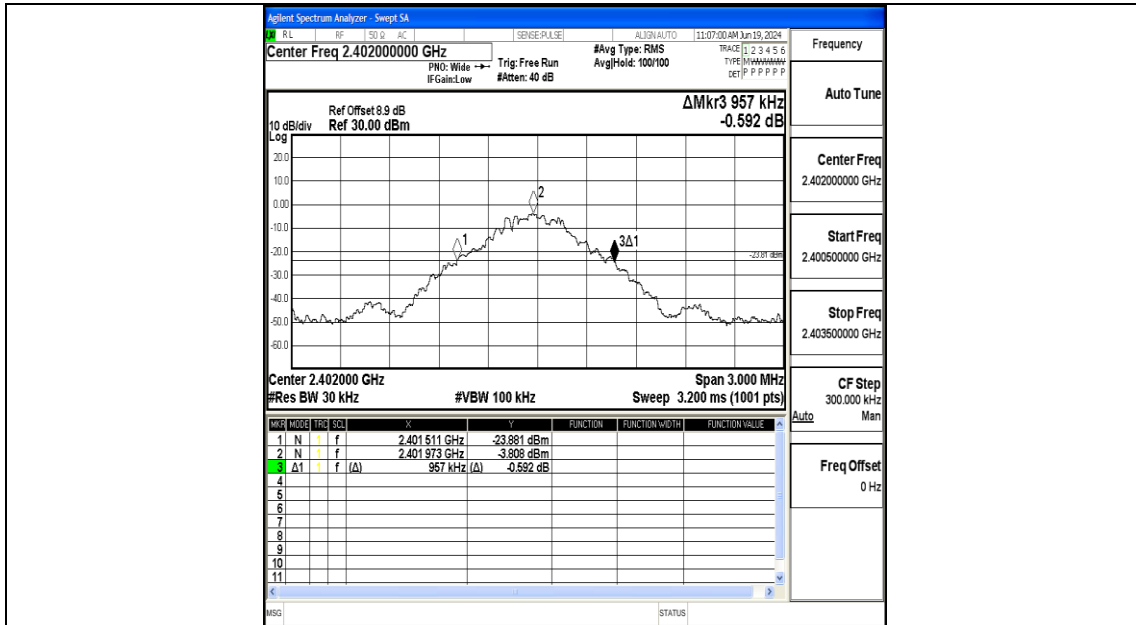
| | |
|--------------------|-----------|
| Temperature: | 22.8° C |
| Relative Humidity: | 56% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Allen Lai |
| Supervised by: | Hugo Chen |
| NOTE | N/A |

Appendix A: 20dB Emission Bandwidth

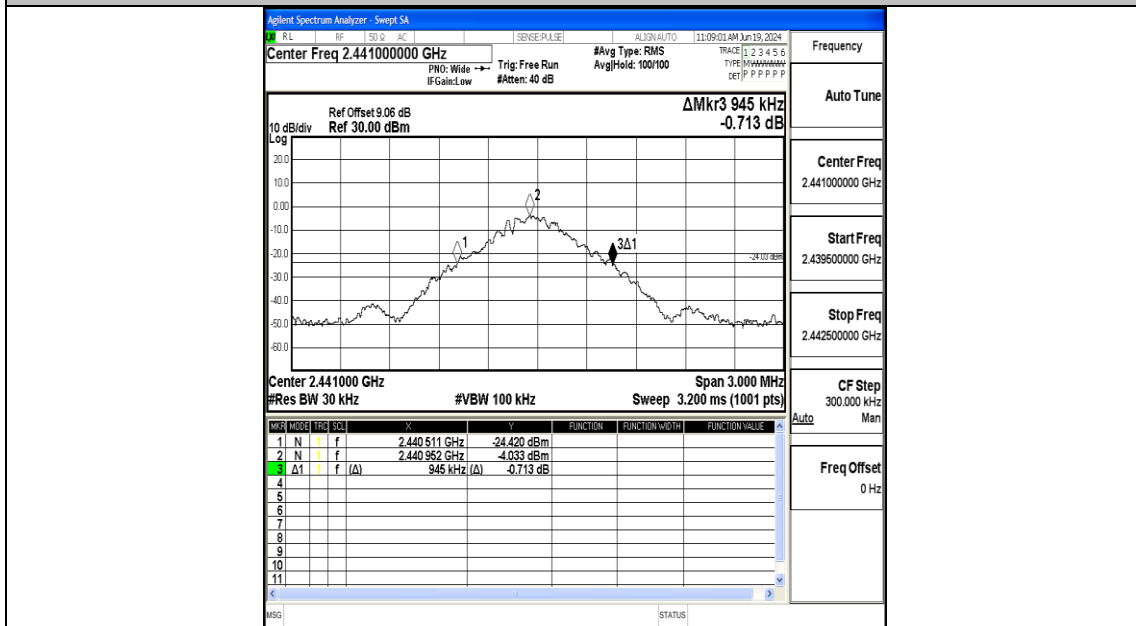
Test Result

| TestMode | Antenna | Frequency[MHz] | 20db EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| DH5 | Ant1 | 2402 | 0.957 | 2401.511 | 2402.468 | --- | --- |
| DH5 | Ant1 | 2441 | 0.945 | 2440.511 | 2441.456 | --- | --- |
| DH5 | Ant1 | 2480 | 0.954 | 2479.511 | 2480.465 | --- | --- |
| 2DH5 | Ant1 | 2402 | 1.311 | 2401.319 | 2402.630 | --- | --- |
| 2DH5 | Ant1 | 2441 | 1.347 | 2440.298 | 2441.645 | --- | --- |
| 2DH5 | Ant1 | 2480 | 1.320 | 2479.310 | 2480.630 | --- | --- |

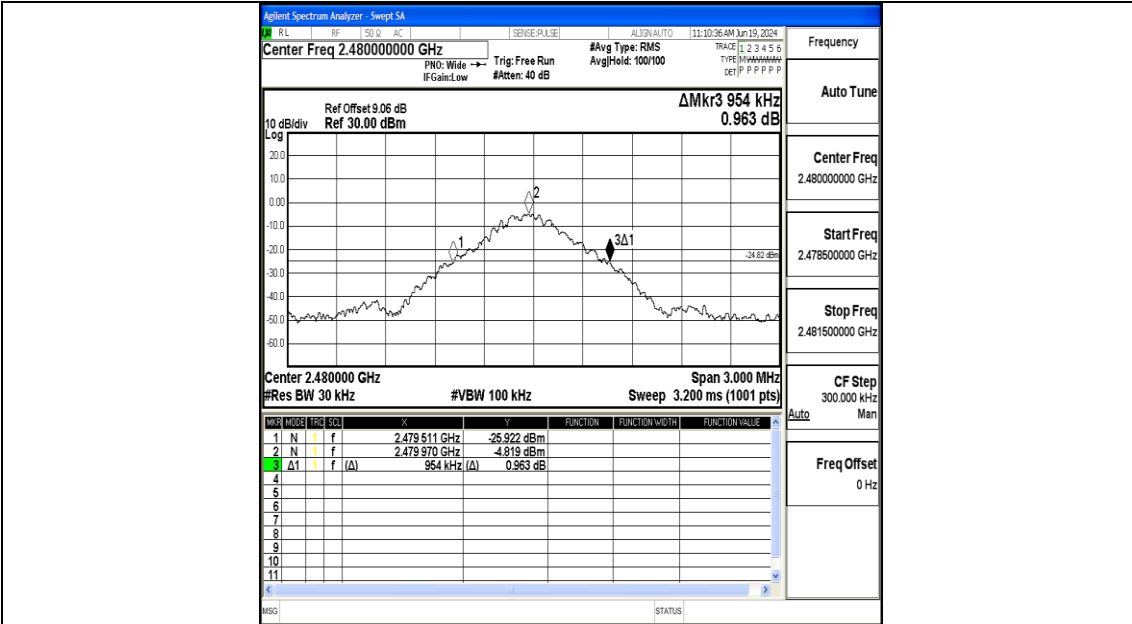
Test Graphs



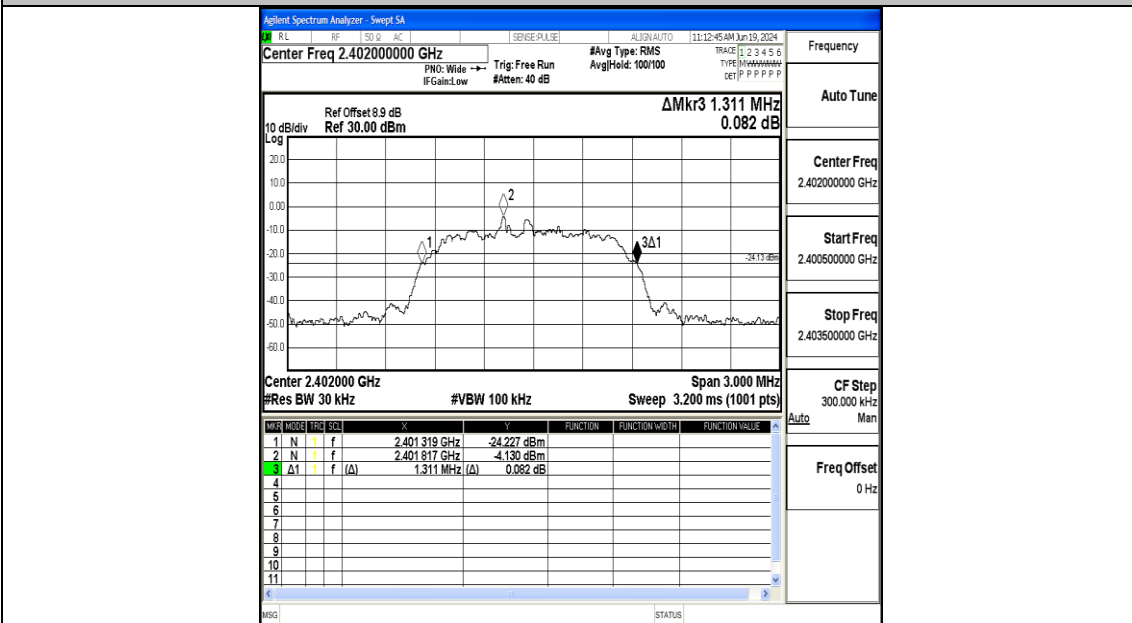
DH5-Ant1-2402



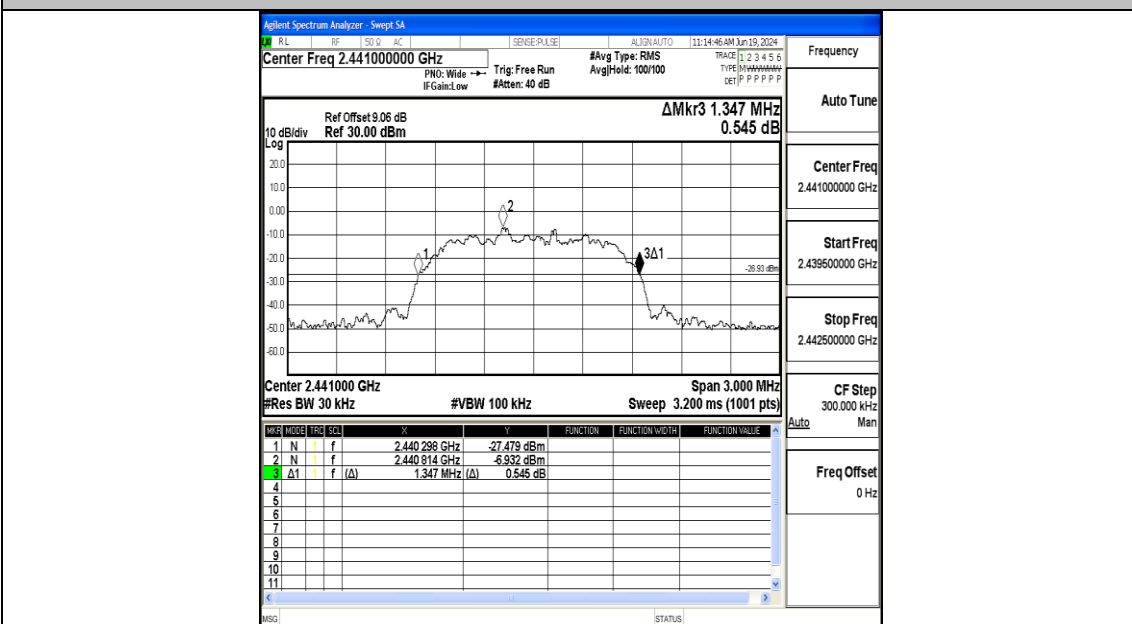
DH5-Ant1-2441



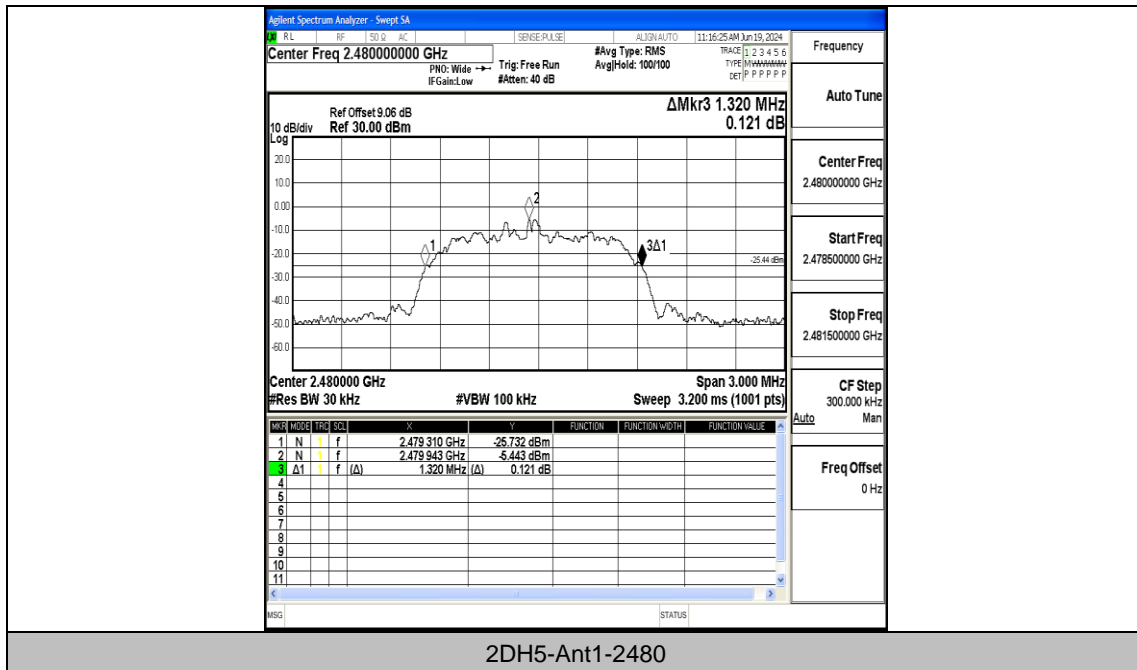
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



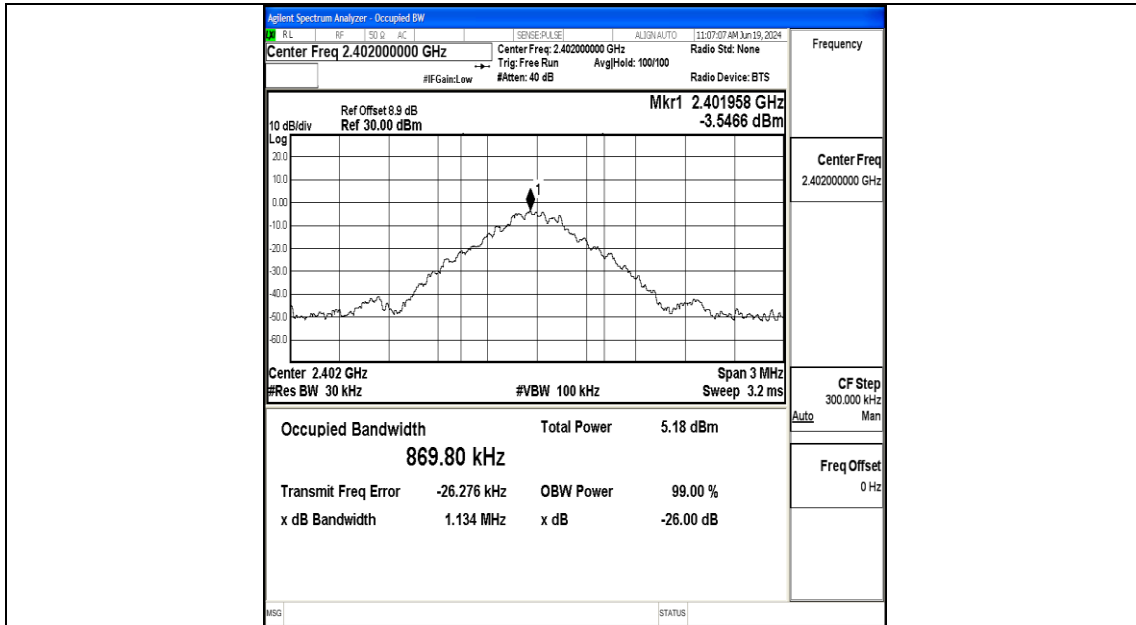
2DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

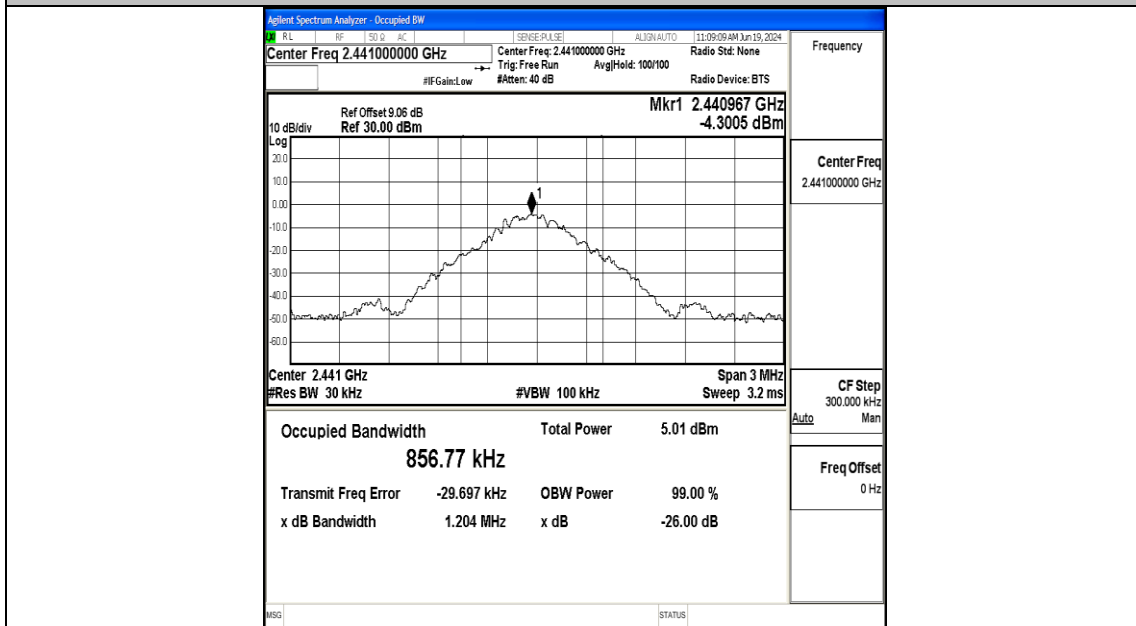
Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5 | Ant1 | 2402 | 0.86980 | 2401.5388 | 2402.4086 | --- | --- |
| DH5 | Ant1 | 2441 | 0.85677 | 2440.5419 | 2441.3987 | --- | --- |
| DH5 | Ant1 | 2480 | 0.86155 | 2479.5399 | 2480.4014 | --- | --- |
| 2DH5 | Ant1 | 2402 | 1.1764 | 2401.3844 | 2402.5608 | --- | --- |
| 2DH5 | Ant1 | 2441 | 1.1981 | 2440.3768 | 2441.5749 | --- | --- |
| 2DH5 | Ant1 | 2480 | 1.1811 | 2479.3829 | 2480.5640 | --- | --- |

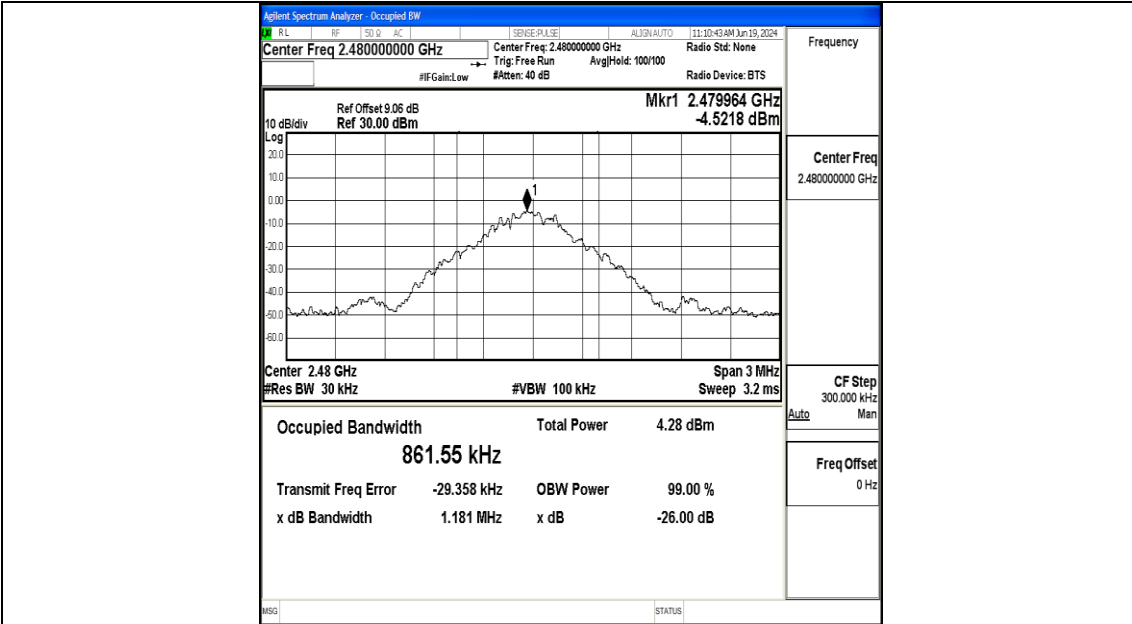
Test Graphs



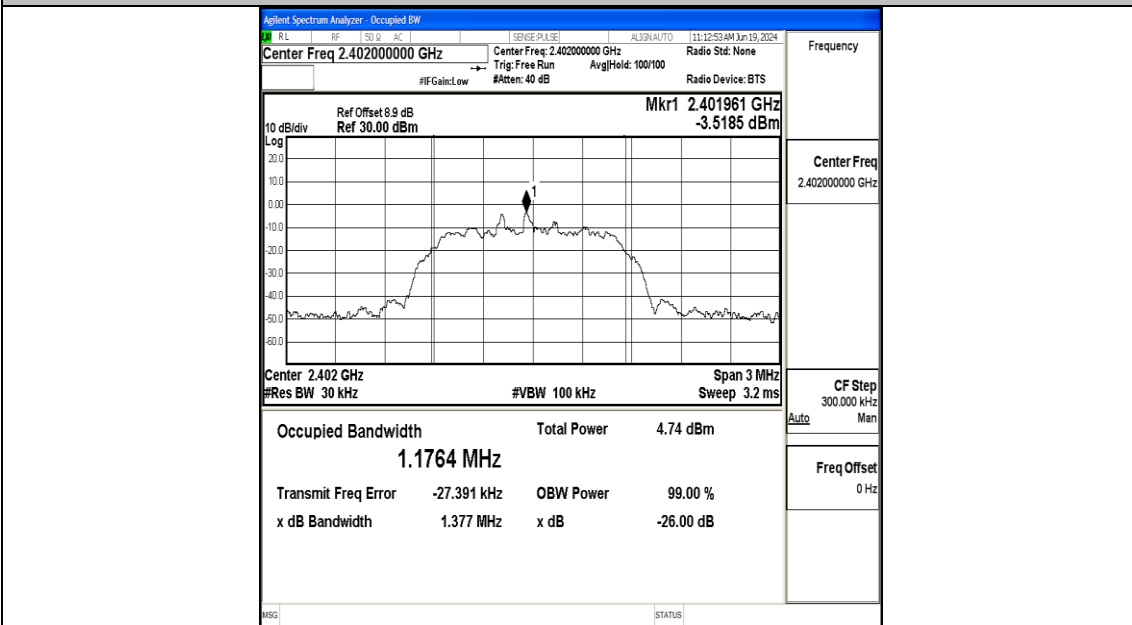
DH5-Ant1-2402



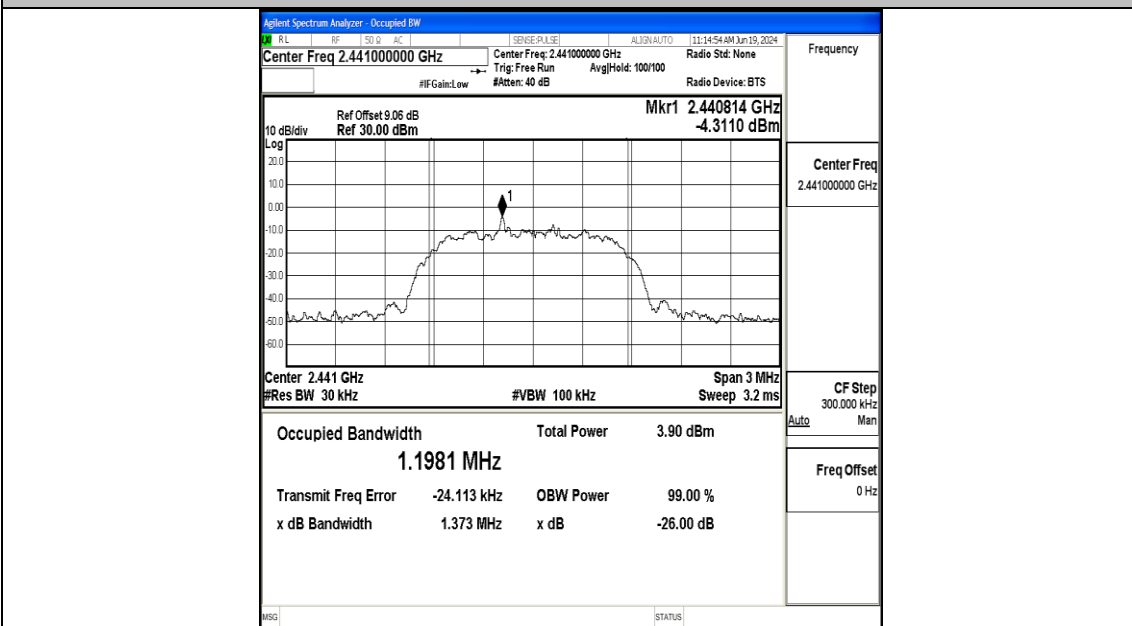
DH5-Ant1-2441



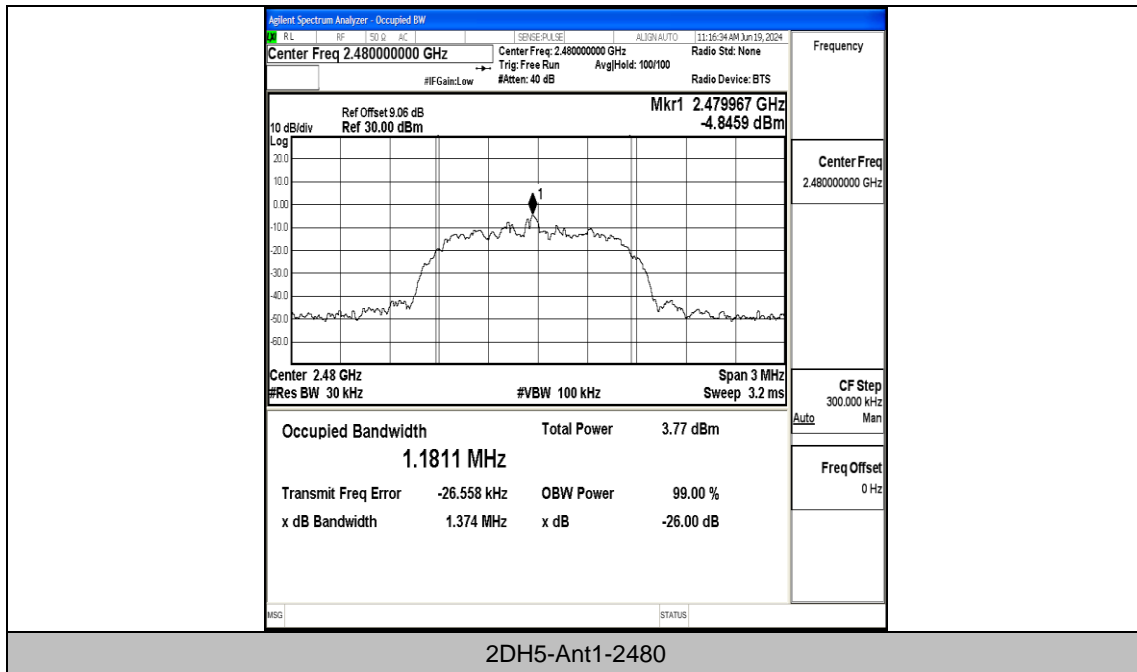
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



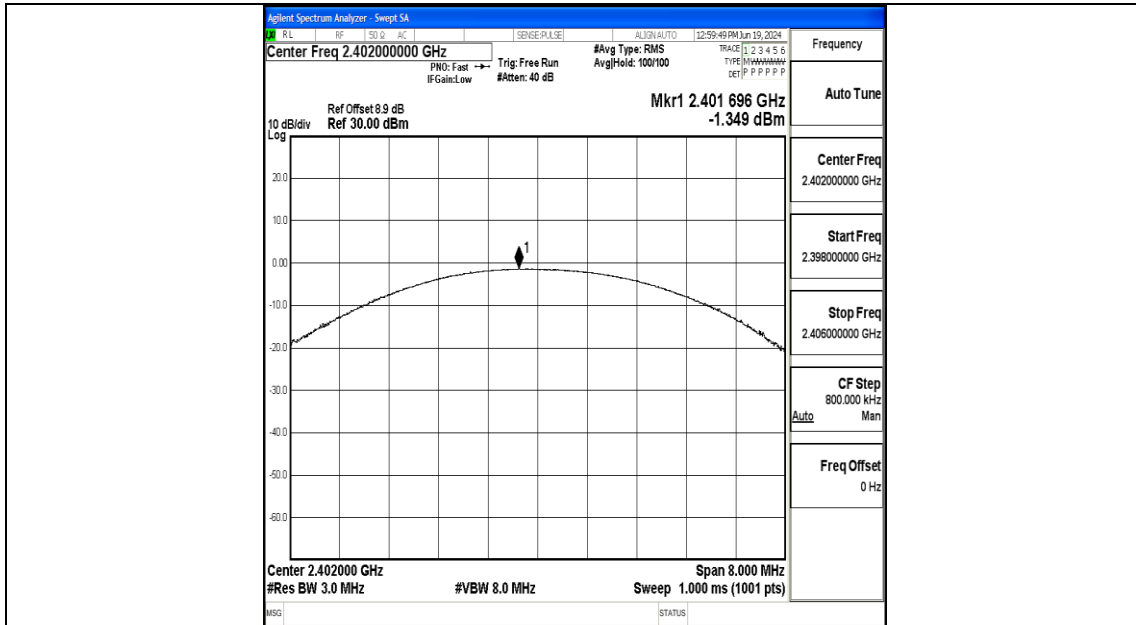
2DH5-Ant1-2480

Appendix C: Maximum peak conducted output power

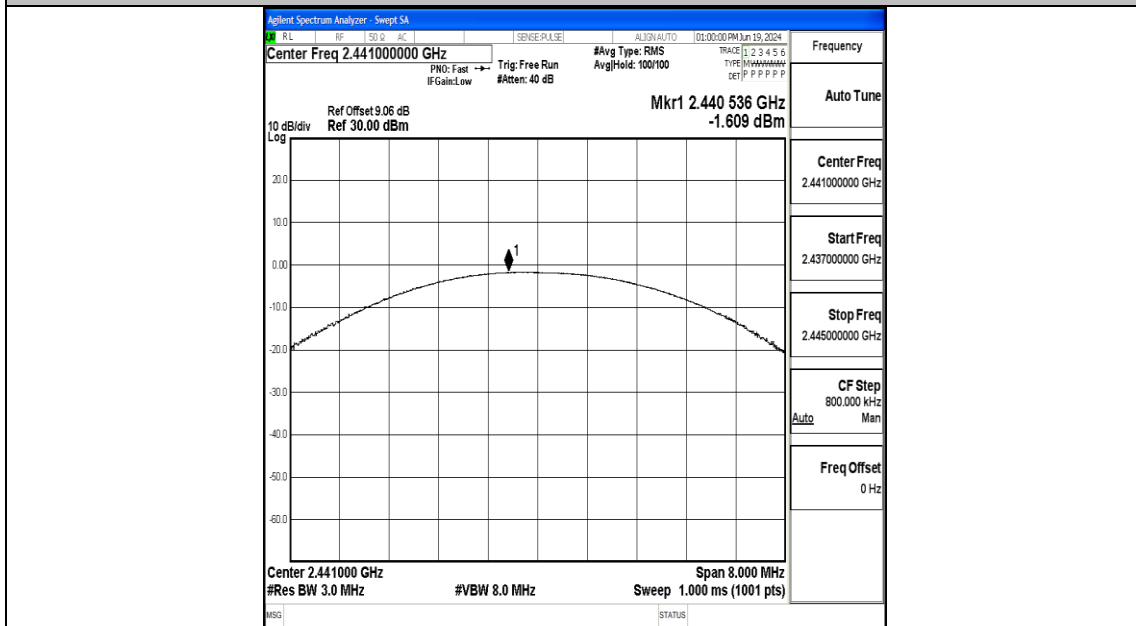
Test Result

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5 | Ant1 | 2402 | -1.35 | ≤30 | PASS |
| DH5 | Ant1 | 2441 | -1.61 | ≤30 | PASS |
| DH5 | Ant1 | 2480 | -2.25 | ≤30 | PASS |
| 2DH5 | Ant1 | 2402 | -0.67 | ≤20.97 | PASS |
| 2DH5 | Ant1 | 2441 | -0.79 | ≤20.97 | PASS |
| 2DH5 | Ant1 | 2480 | -1.55 | ≤20.97 | PASS |

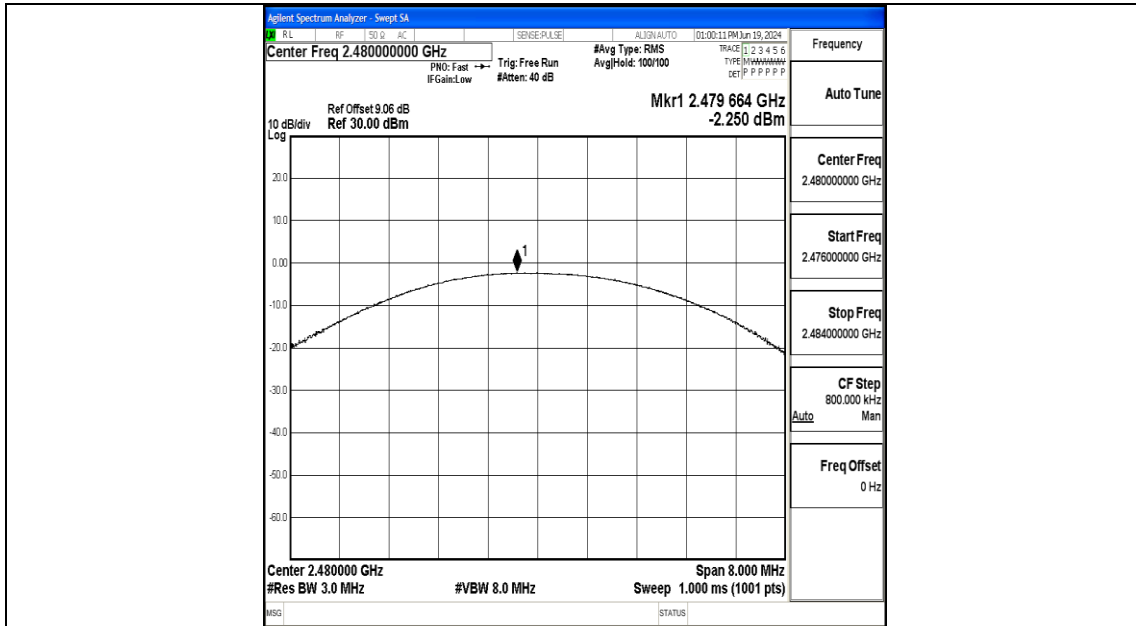
Test Graphs



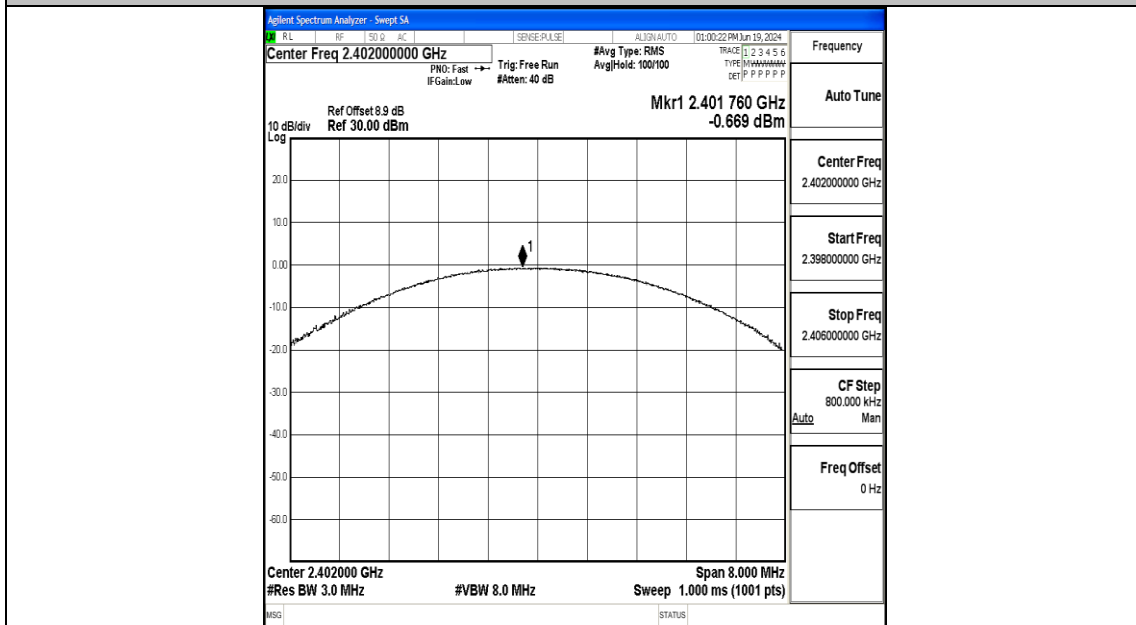
DH5-Ant1-2402-PASS



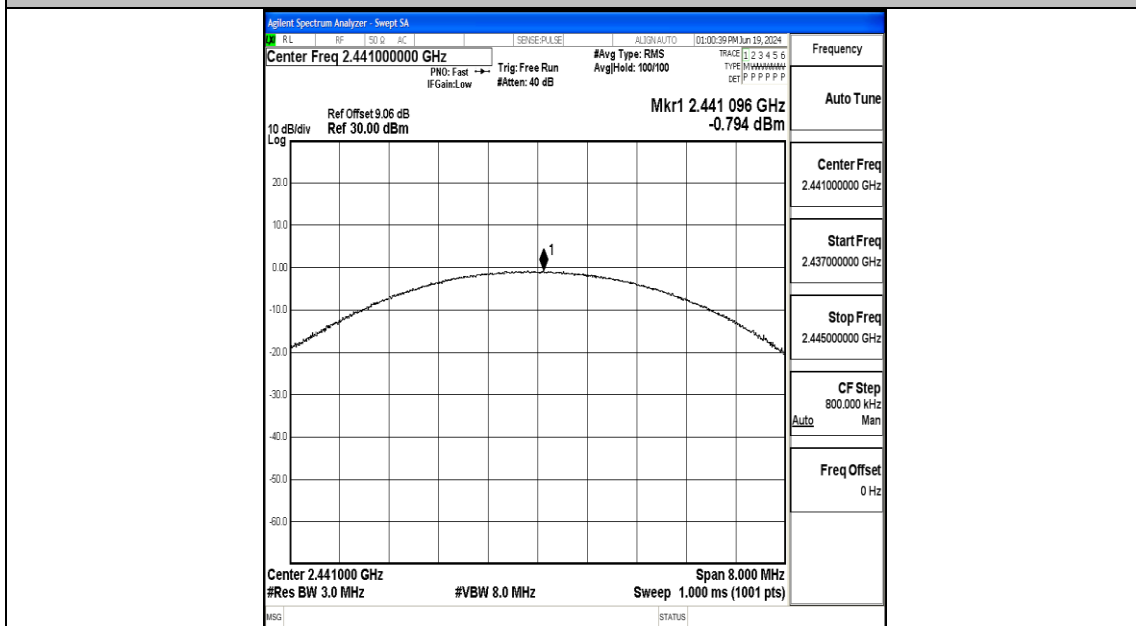
DH5-Ant1-2441-PASS



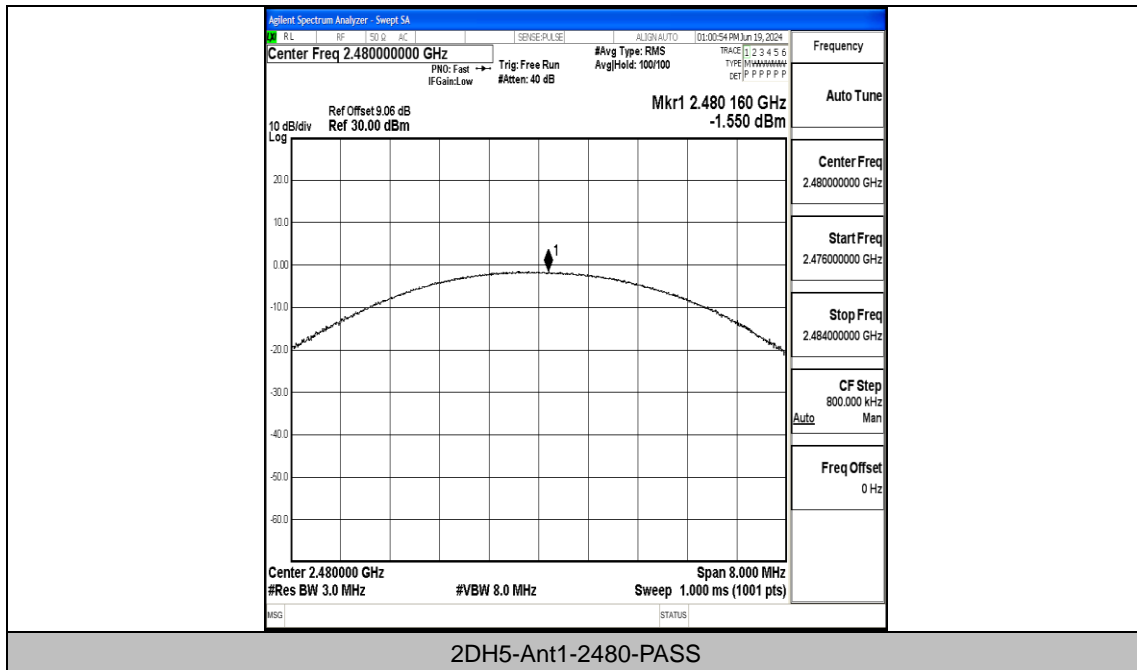
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

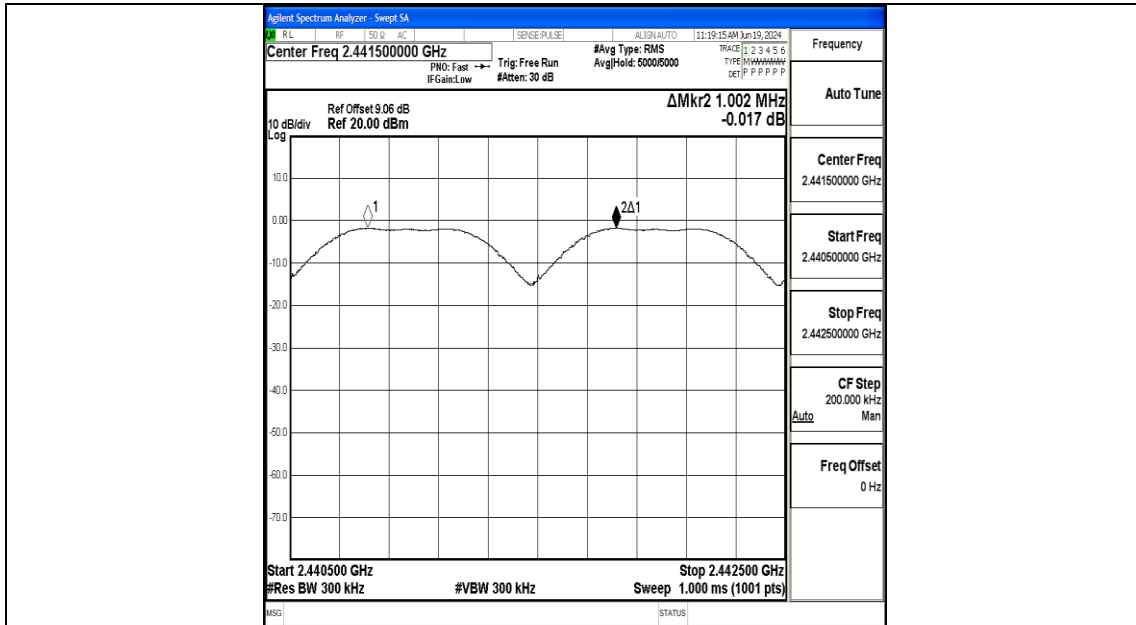


Appendix D: Carrier frequency separation

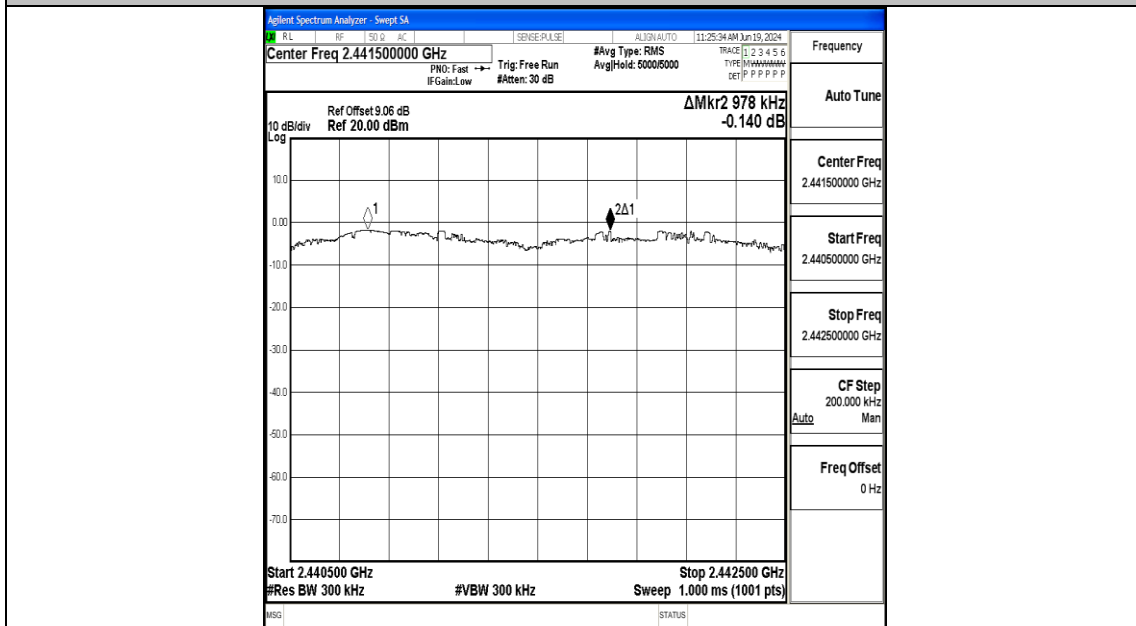
Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|--------------|---------|
| DH5 | Ant1 | Hop | 1.002 | ≥ 0.957 | PASS |
| 2DH5 | Ant1 | Hop | 0.978 | ≥ 0.898 | PASS |

Test Graphs



DH5-Ant1-Hop-PASS



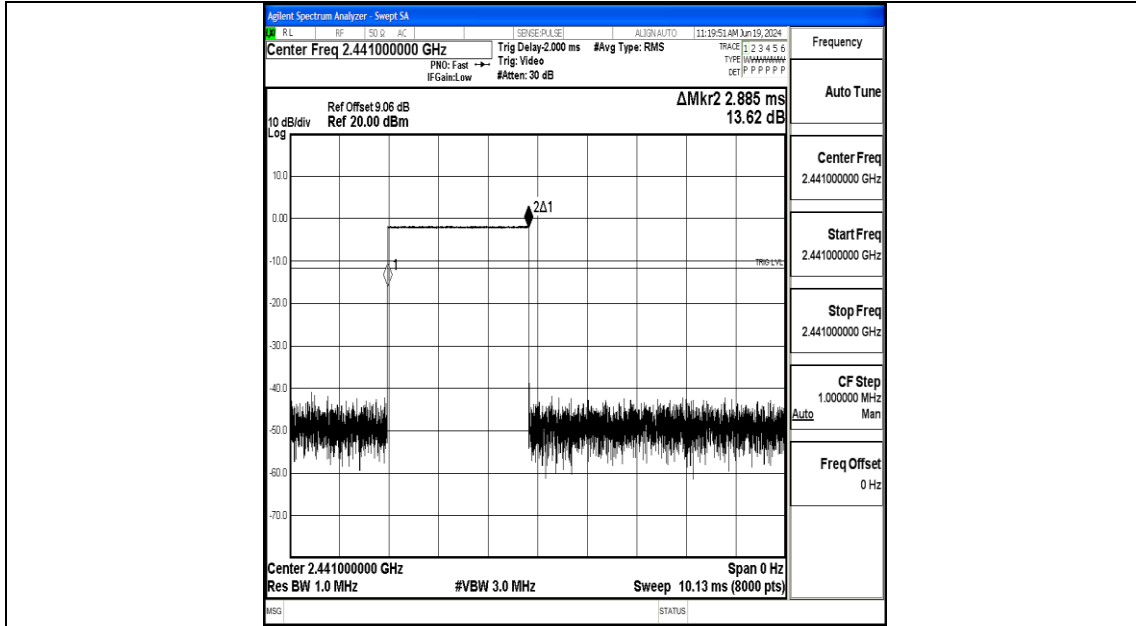
2DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

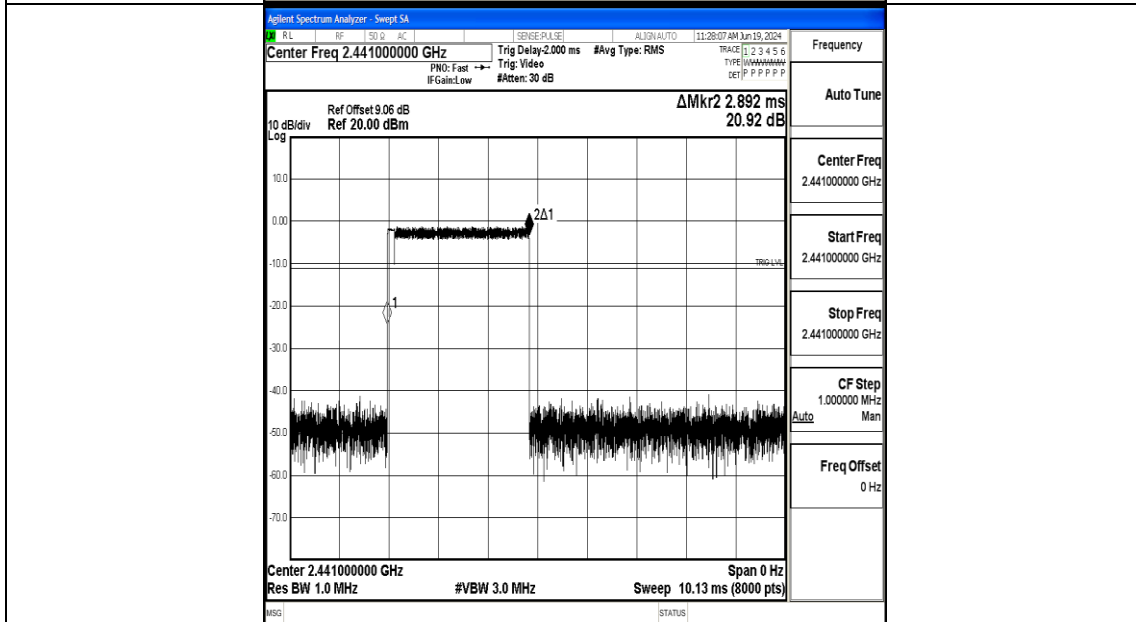
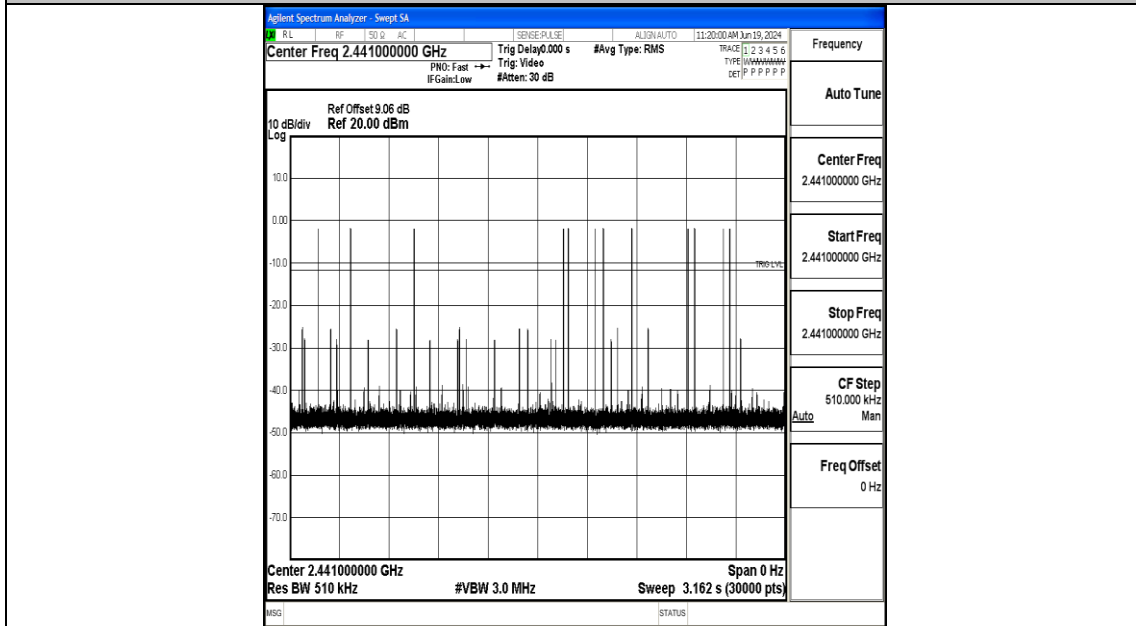
Test Result

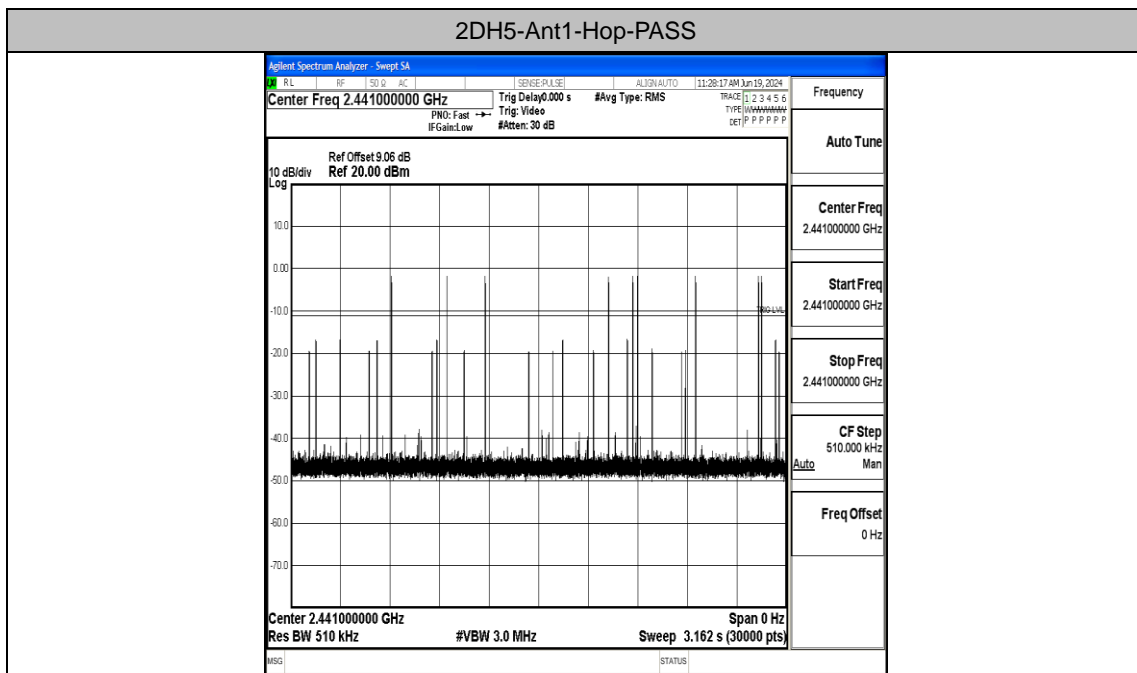
| TestMode | Antenna | Frequency[MHz] | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH5 | Ant1 | Hop | 2.885 | 130 | 0.375 | ≤0.4 | PASS |
| 2DH5 | Ant1 | Hop | 2.892 | 100 | 0.289 | ≤0.4 | PASS |

Test Graphs



DH5-Ant1-Hop-PASS



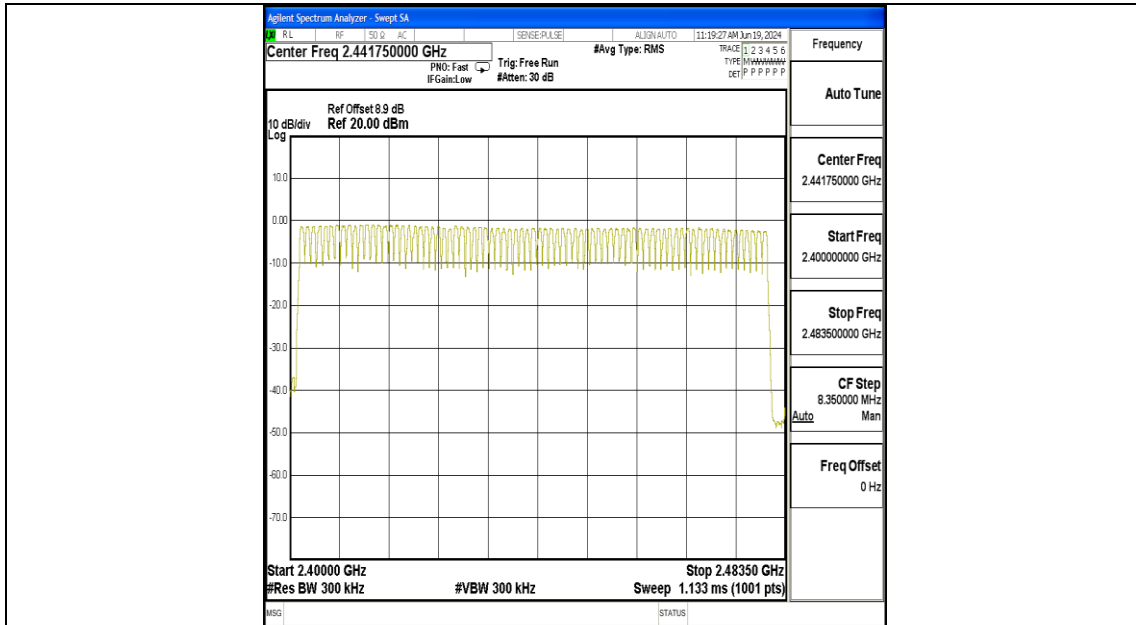


Appendix F: Number of hopping channels

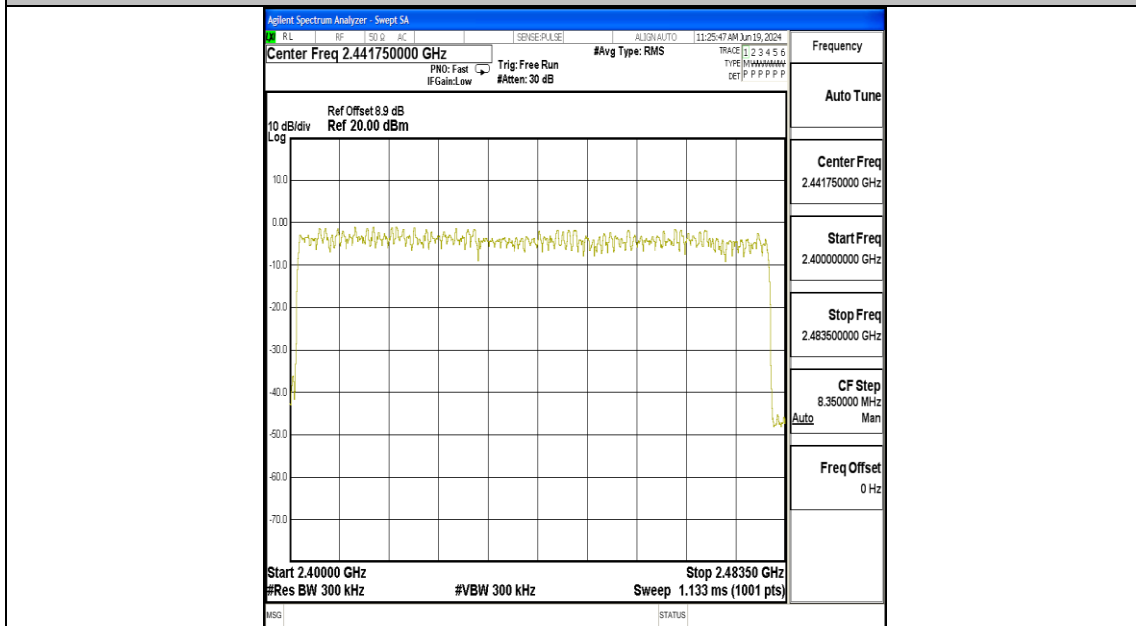
Test Result

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

Test Graphs



DH5-Ant1-Hop-PASS



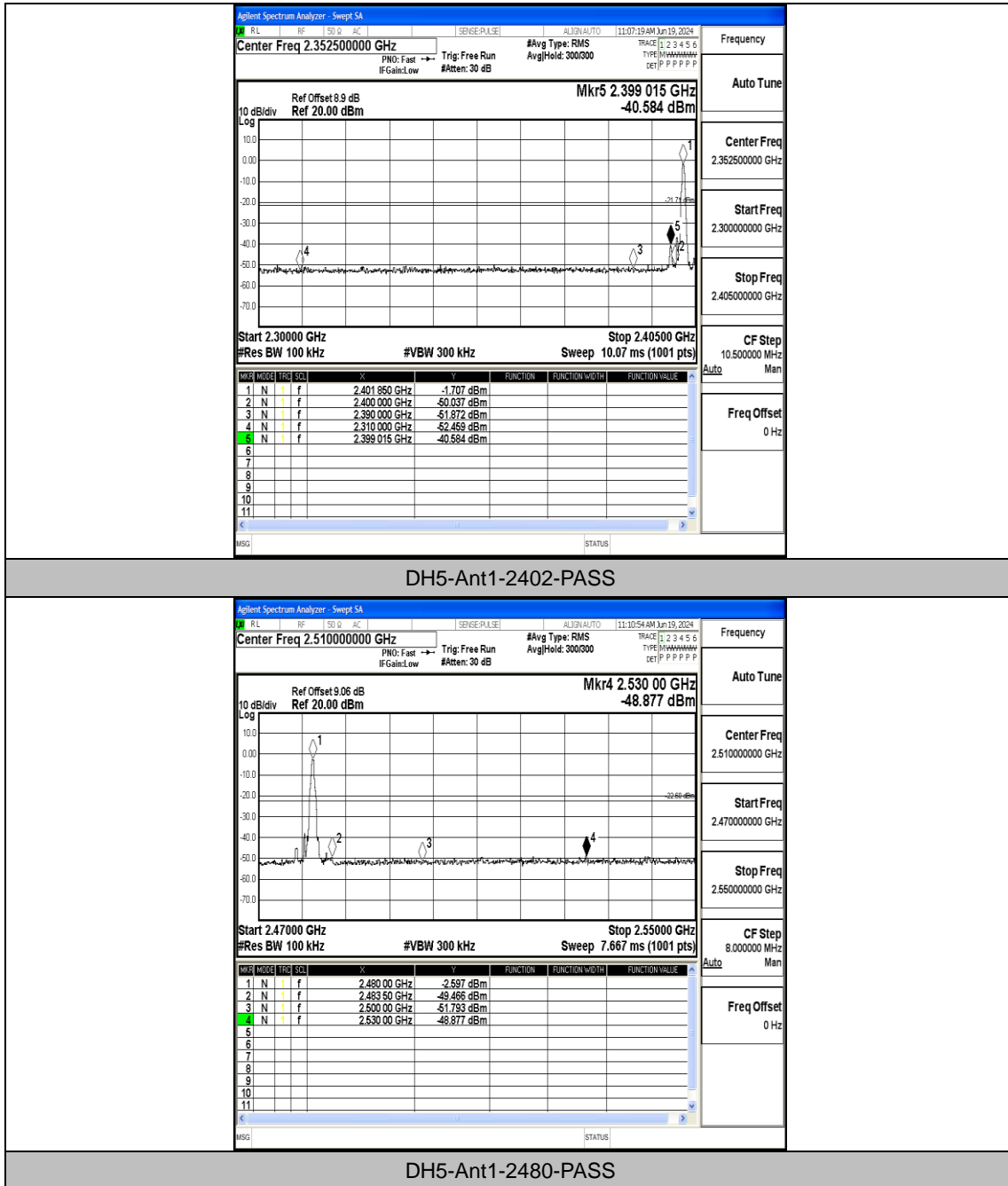
2DH5-Ant1-Hop-PASS

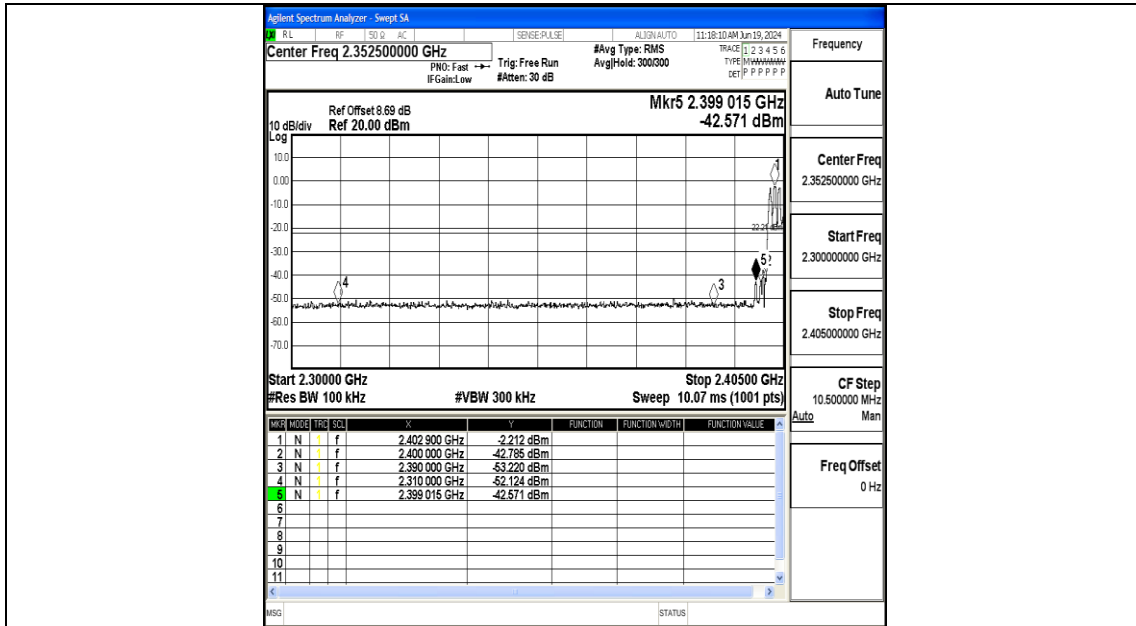
Appendix G: Band edge measurements

Test Result

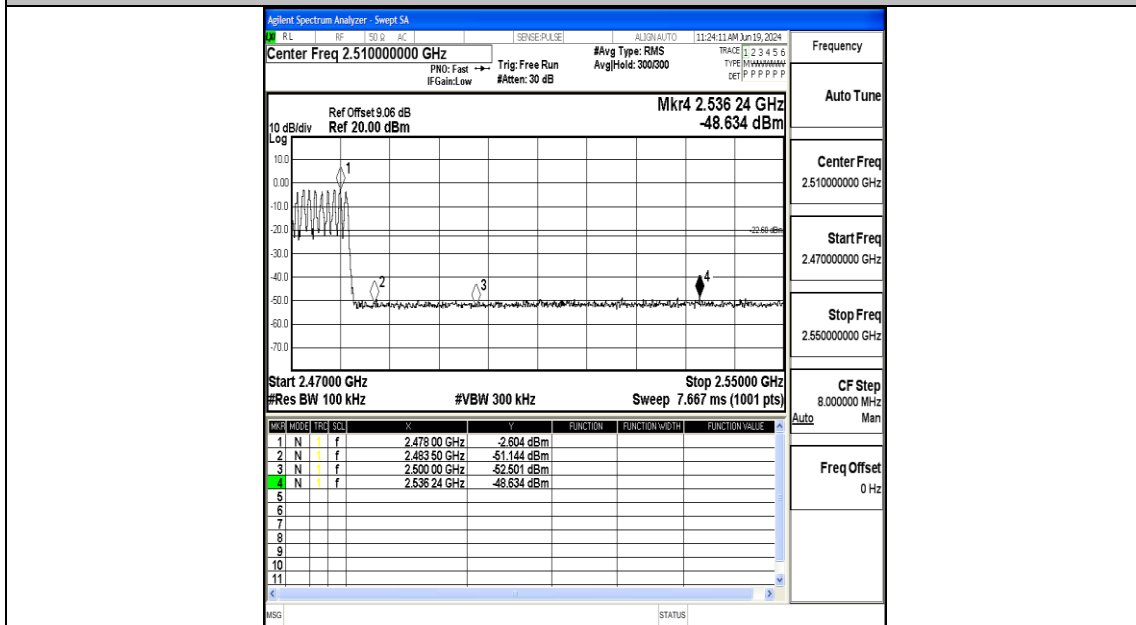
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5 | Ant1 | Low | 2402 | -1.71 | -40.58 | ≤-21.71 | PASS |
| DH5 | Ant1 | High | 2480 | -2.60 | -48.88 | ≤-22.6 | PASS |
| DH5 | Ant1 | Low | Hop_2402 | -2.21 | -42.57 | ≤-22.21 | PASS |
| DH5 | Ant1 | High | Hop_2480 | -2.60 | -48.63 | ≤-22.6 | PASS |
| 2DH5 | Ant1 | Low | 2402 | -1.79 | -43 | ≤-21.79 | PASS |
| 2DH5 | Ant1 | High | 2480 | -2.72 | -48.86 | ≤-22.72 | PASS |
| 2DH5 | Ant1 | Low | Hop_2402 | -6.55 | -43.59 | ≤-26.55 | PASS |
| 2DH5 | Ant1 | High | Hop_2480 | -6.60 | -49.11 | ≤-26.6 | PASS |

Test Graphs

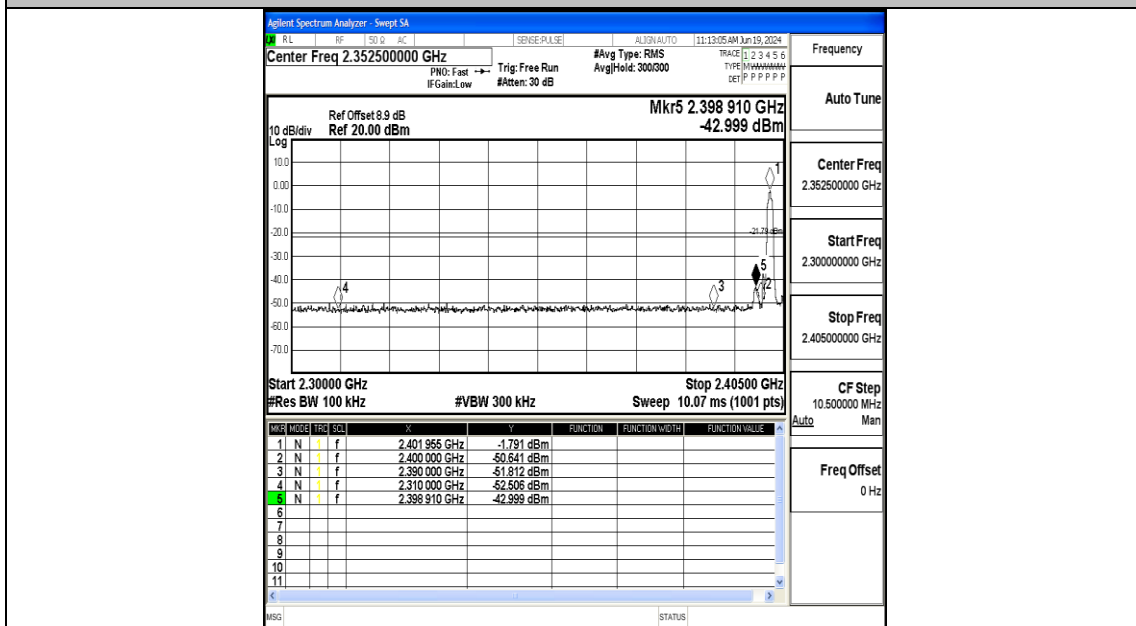




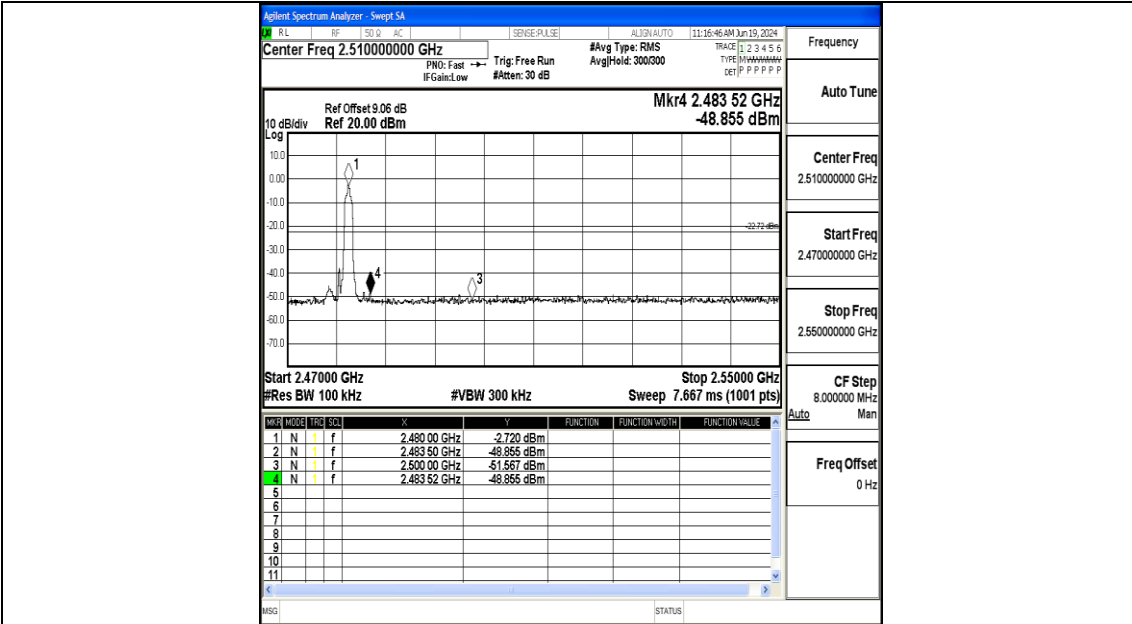
DH5-Ant1-Hop_2402-PASS



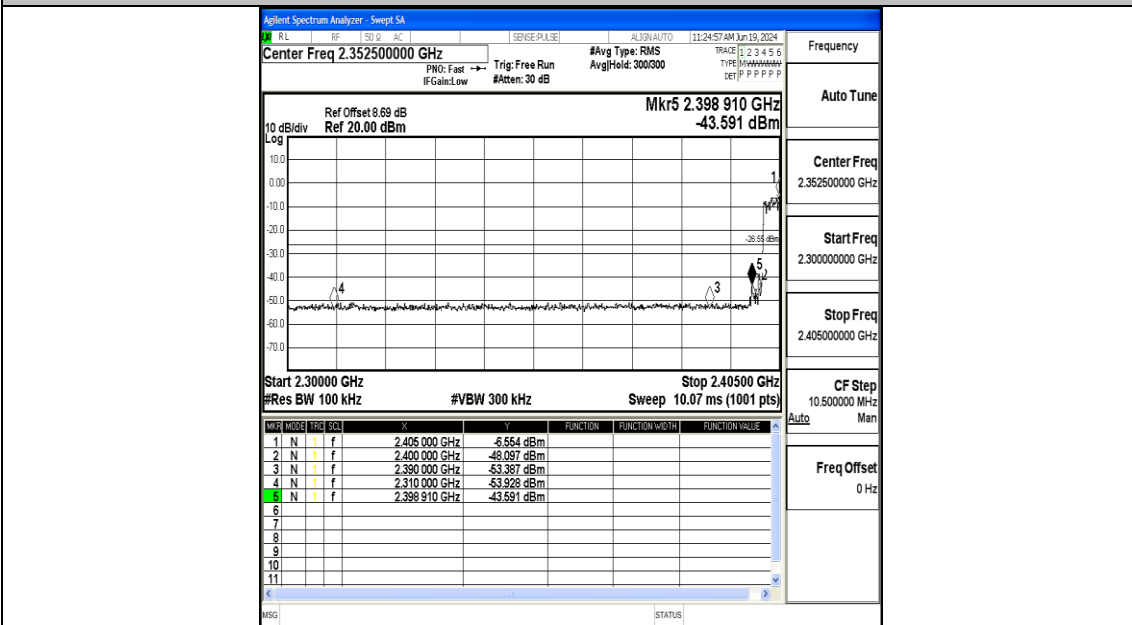
DH5-Ant1-Hop_2480-PASS



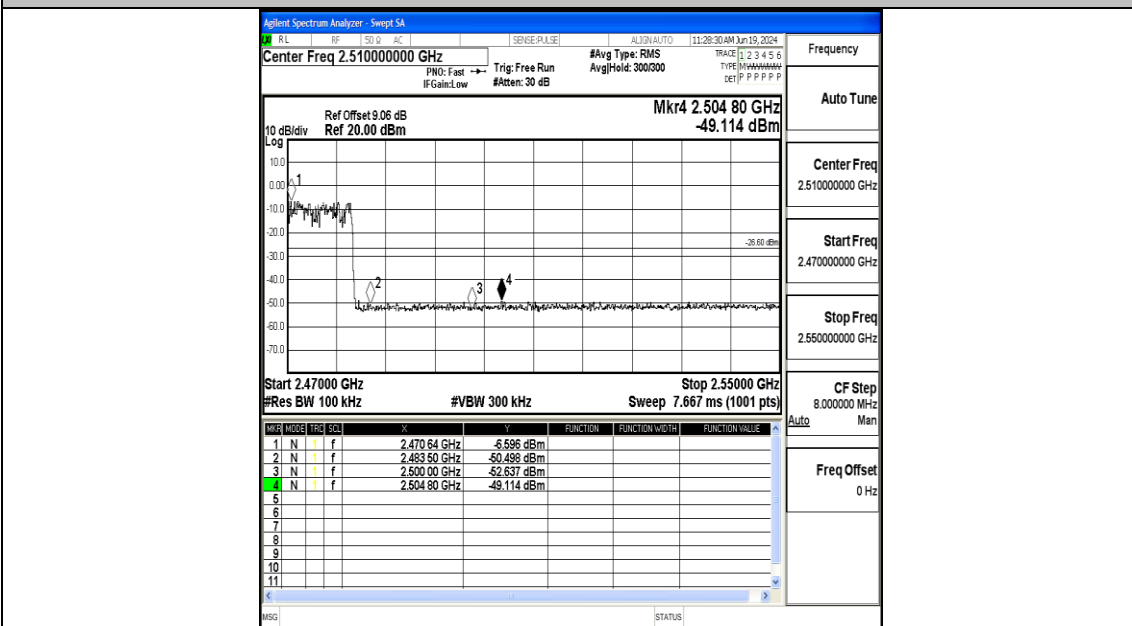
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



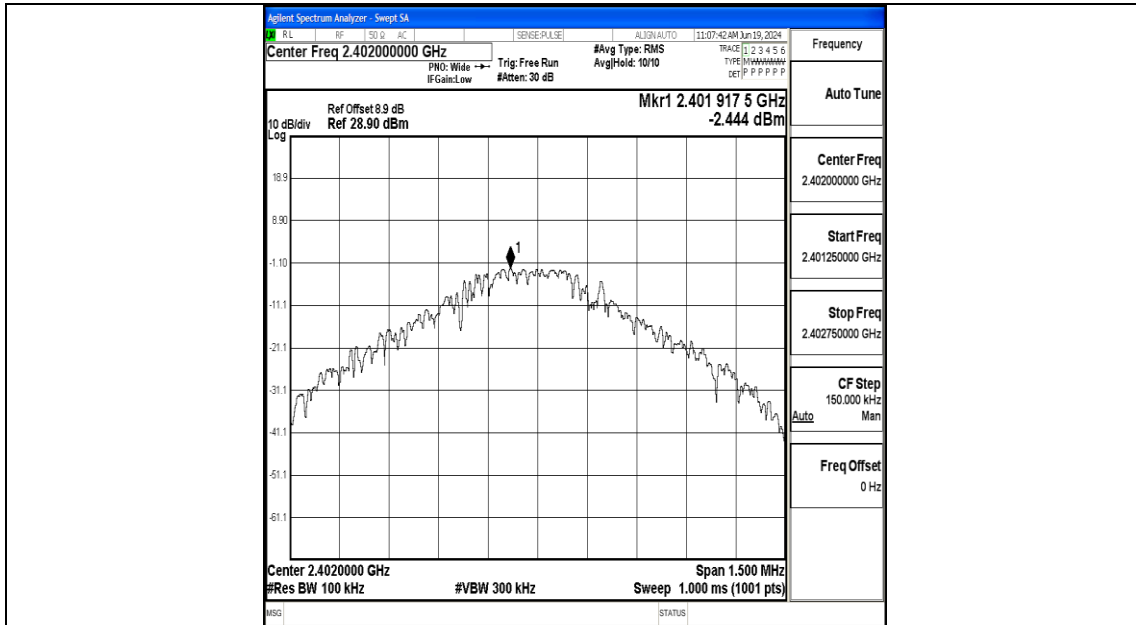
2DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

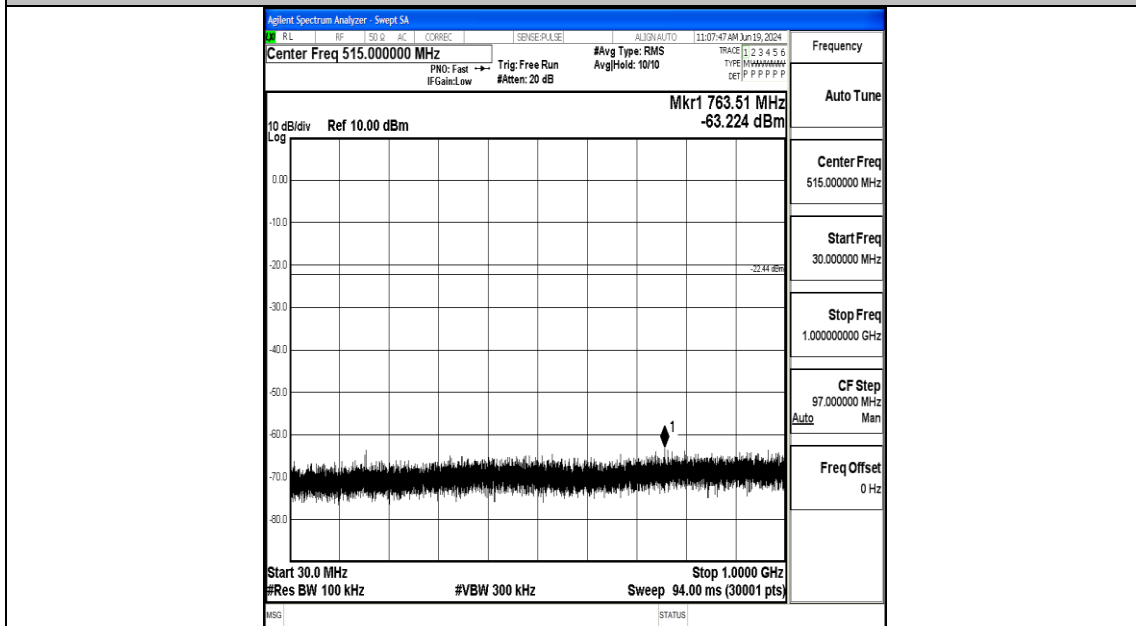
Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5 | Ant1 | 2402 | 0~Reference | -2.44 | -2.44 | --- | PASS |
| DH5 | Ant1 | 2402 | 30~1000 | -2.44 | -63.22 | ≤-22.44 | PASS |
| DH5 | Ant1 | 2402 | 1000~26500 | -2.44 | -39.5 | ≤-22.44 | PASS |
| DH5 | Ant1 | 2441 | 0~Reference | -2.56 | -2.56 | --- | PASS |
| DH5 | Ant1 | 2441 | 30~1000 | -2.56 | -63.04 | ≤-22.56 | PASS |
| DH5 | Ant1 | 2441 | 1000~26500 | -2.56 | -38.38 | ≤-22.56 | PASS |
| DH5 | Ant1 | 2480 | 0~Reference | -2.72 | -2.72 | --- | PASS |
| DH5 | Ant1 | 2480 | 30~1000 | -2.72 | -62.91 | ≤-22.72 | PASS |
| DH5 | Ant1 | 2480 | 1000~26500 | -2.72 | -38.19 | ≤-22.72 | PASS |
| 2DH5 | Ant1 | 2402 | 0~Reference | -5.20 | -5.20 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 30~1000 | -5.20 | -62.99 | ≤-25.2 | PASS |
| 2DH5 | Ant1 | 2402 | 1000~26500 | -5.20 | -39.17 | ≤-25.2 | PASS |
| 2DH5 | Ant1 | 2441 | 0~Reference | -3.94 | -3.94 | --- | PASS |
| 2DH5 | Ant1 | 2441 | 30~1000 | -3.94 | -62.98 | ≤-23.94 | PASS |
| 2DH5 | Ant1 | 2441 | 1000~26500 | -3.94 | -38.34 | ≤-23.94 | PASS |
| 2DH5 | Ant1 | 2480 | 0~Reference | -7.13 | -7.13 | --- | PASS |
| 2DH5 | Ant1 | 2480 | 30~1000 | -7.13 | -62.25 | ≤-27.13 | PASS |
| 2DH5 | Ant1 | 2480 | 1000~26500 | -7.13 | -38.18 | ≤-27.13 | PASS |

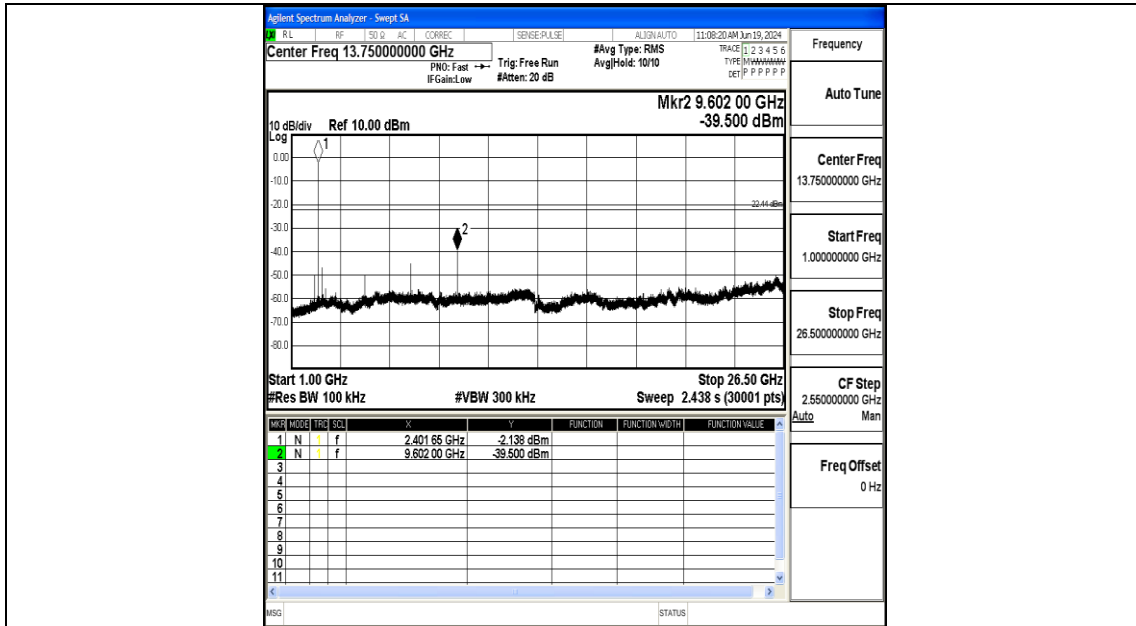
Test Graphs



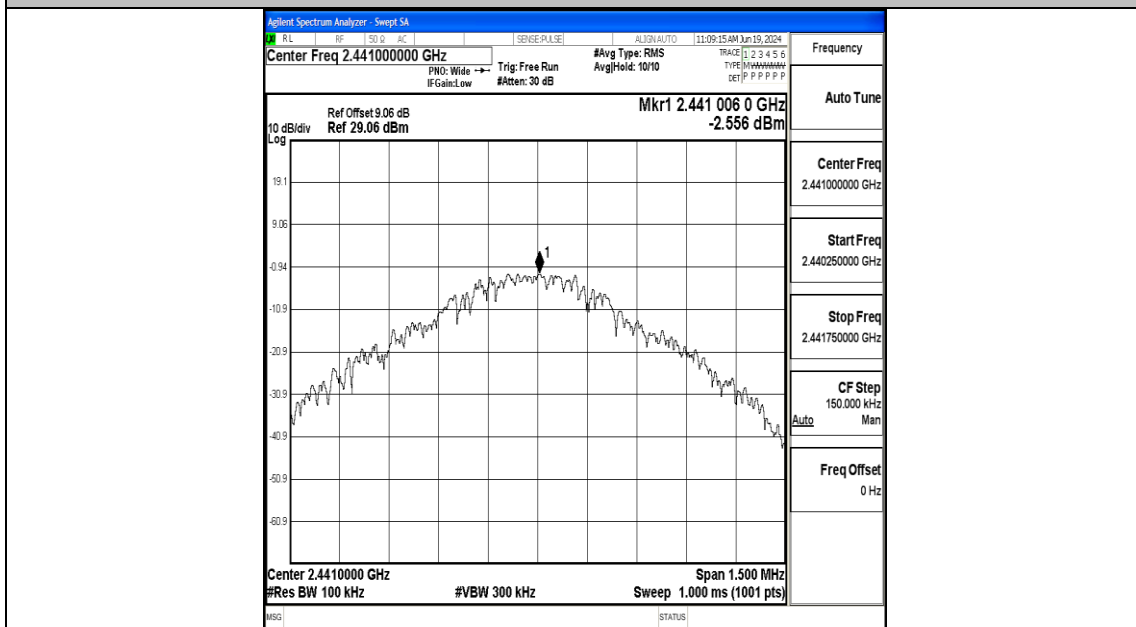
DH5-Ant1-2402-0~Reference-PASS



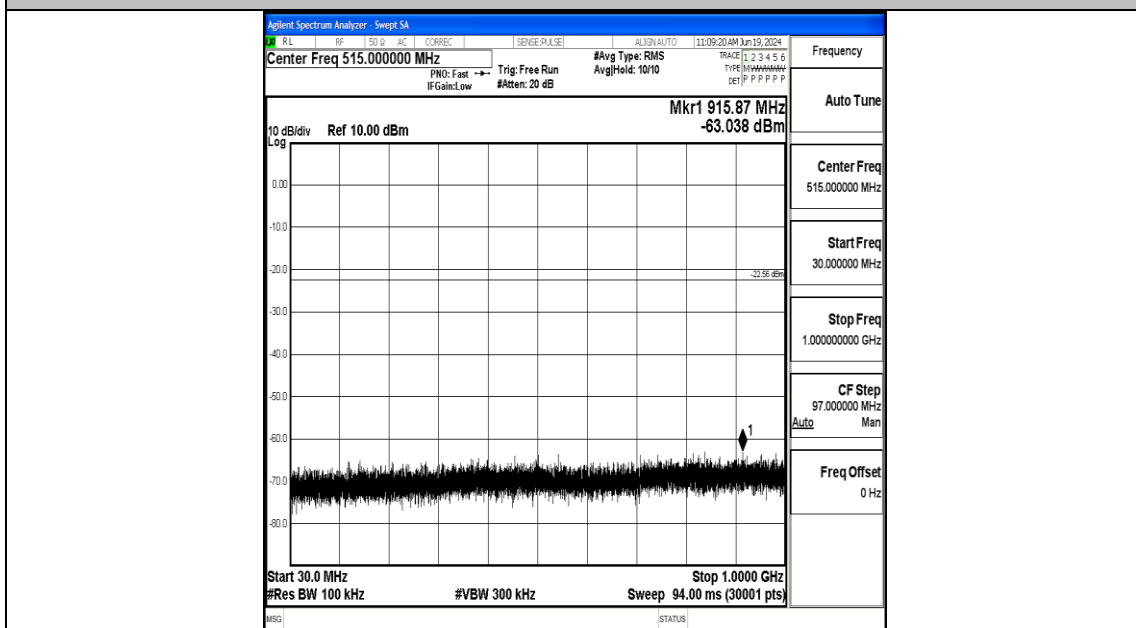
DH5-Ant1-2402-30~1000-PASS



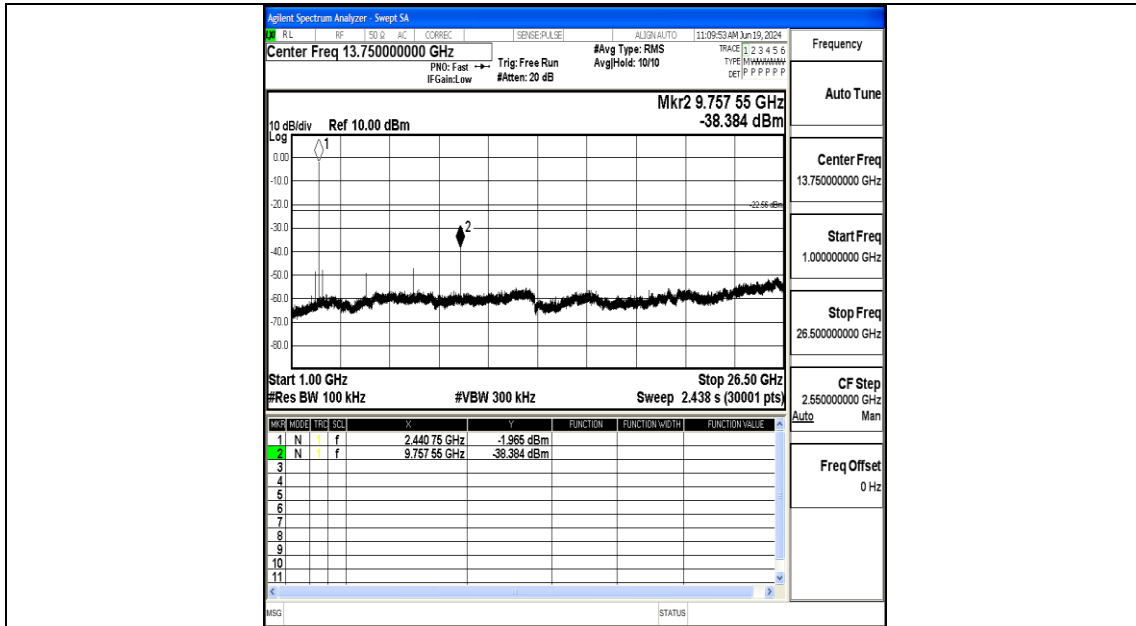
DH5-Ant1-2402-1000~26500-PASS



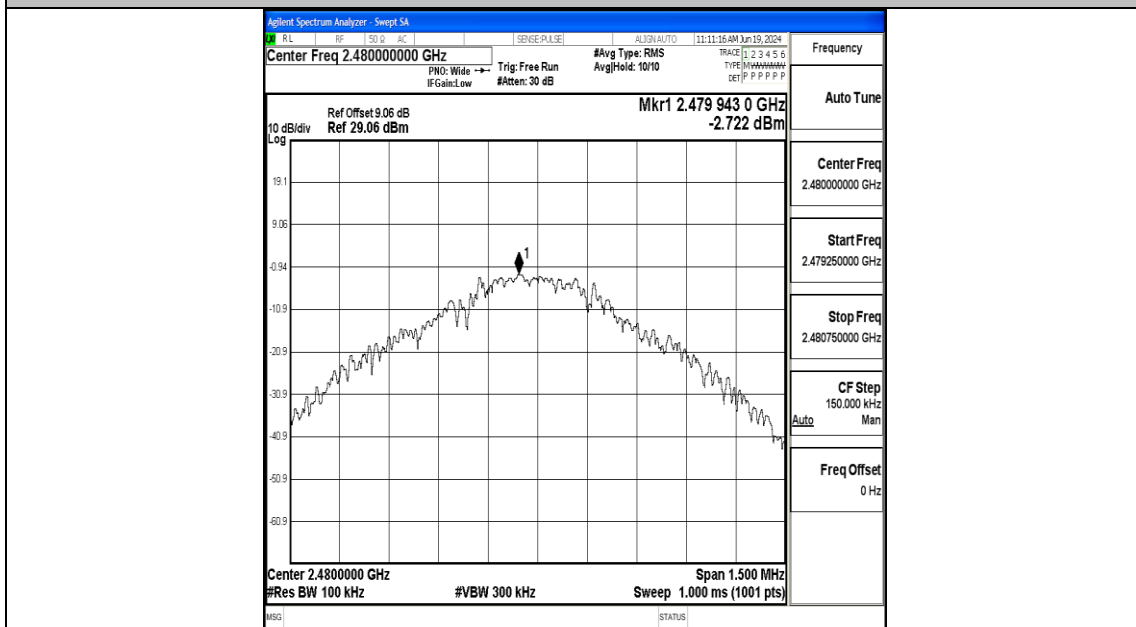
DH5-Ant1-2441-0~Reference-PASS



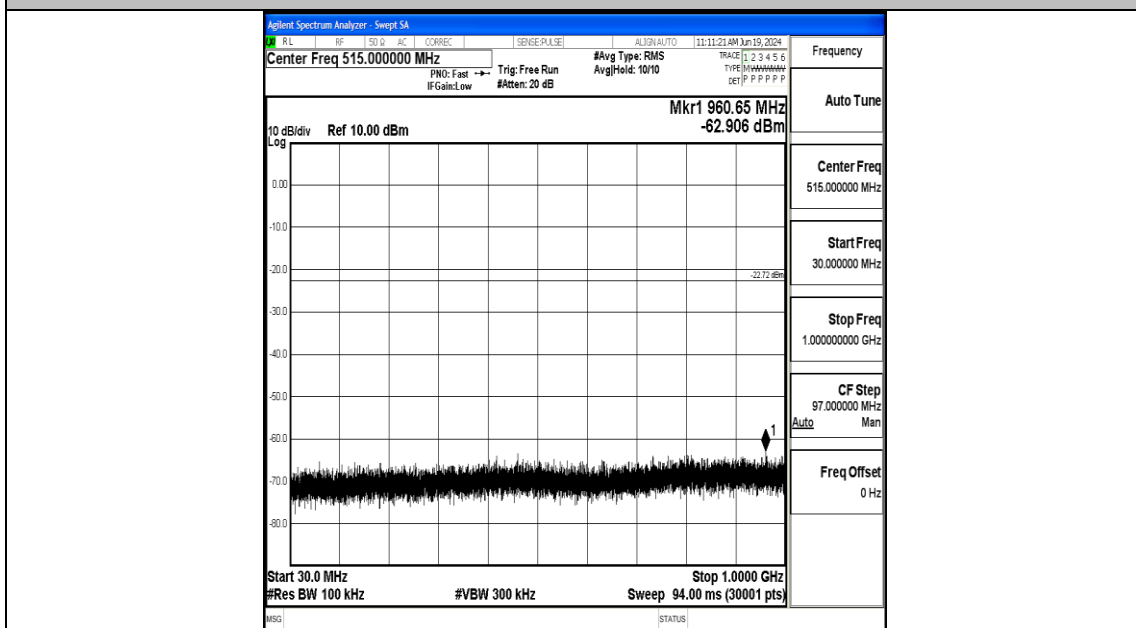
DH5-Ant1-2441-30~1000-PASS



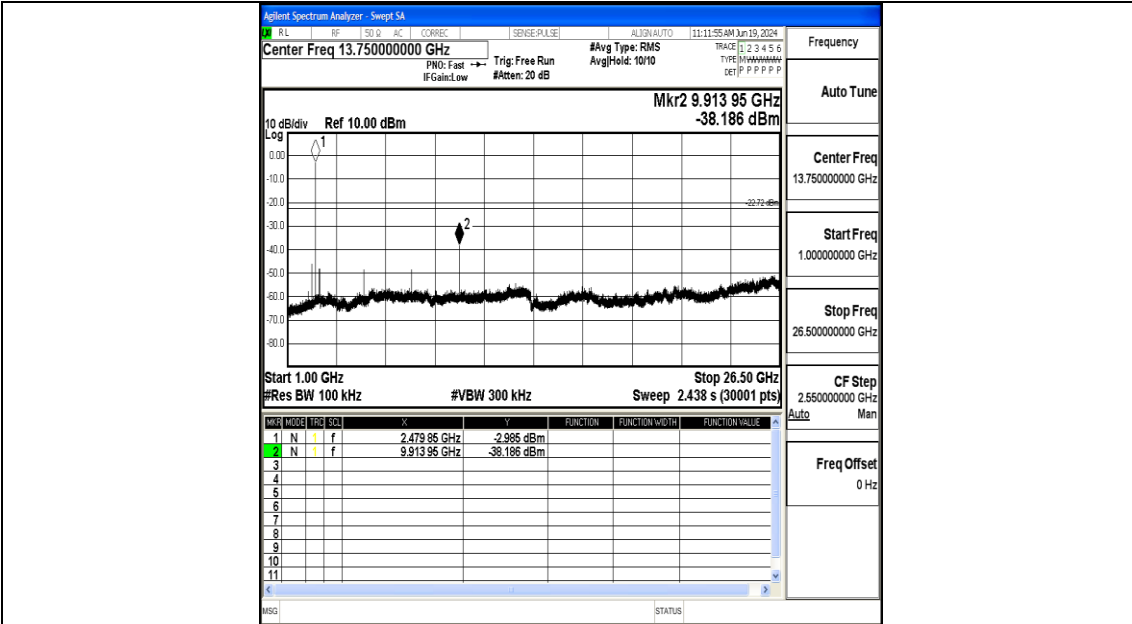
DH5-Ant1-2441-1000~26500-PASS



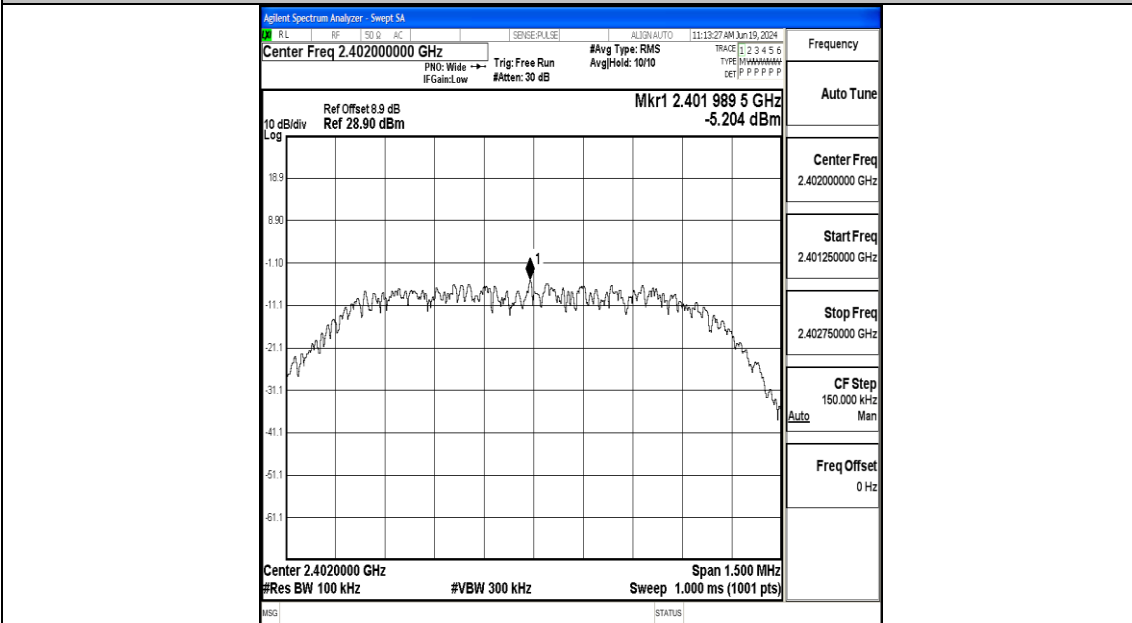
DH5-Ant1-2480-0~Reference-PASS



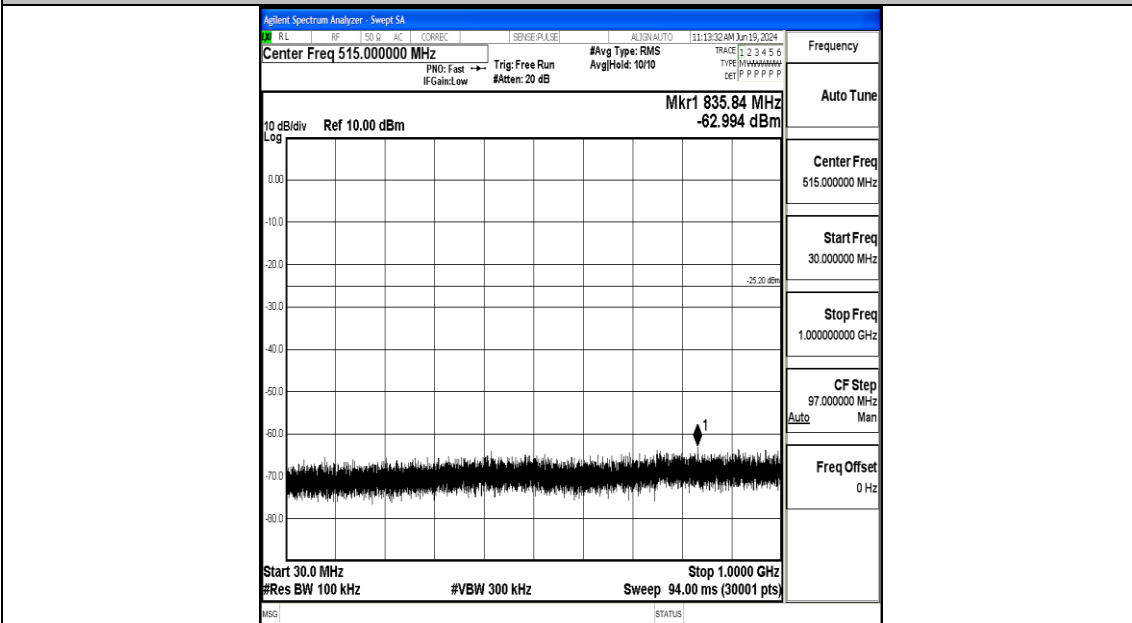
DH5-Ant1-2480-30~1000-PASS



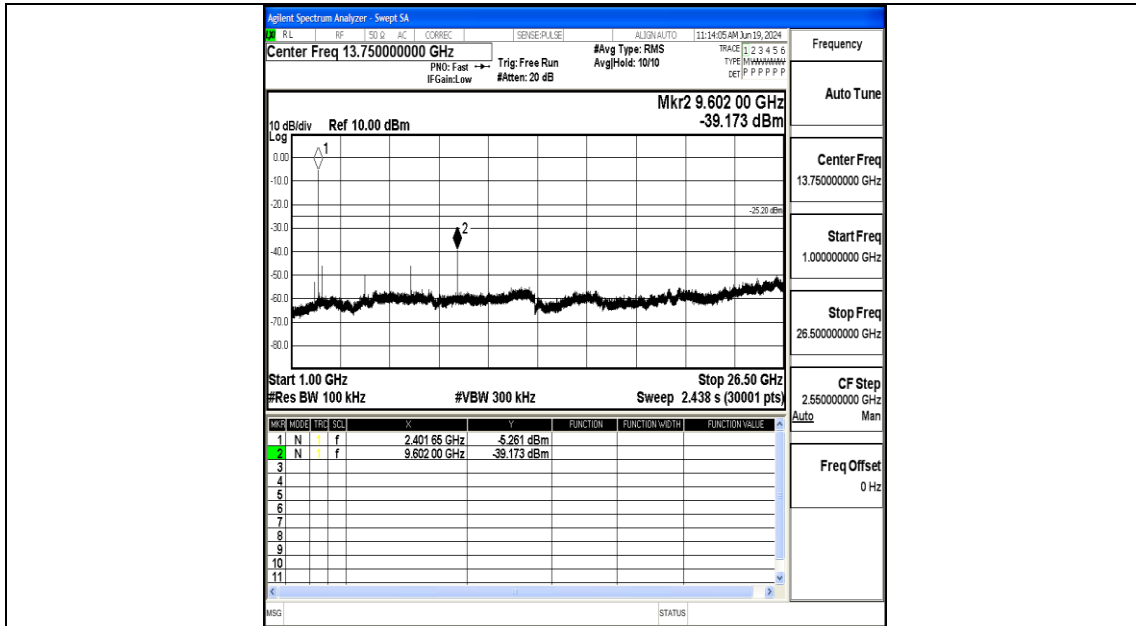
DH5-Ant1-2480-1000~26500-PASS



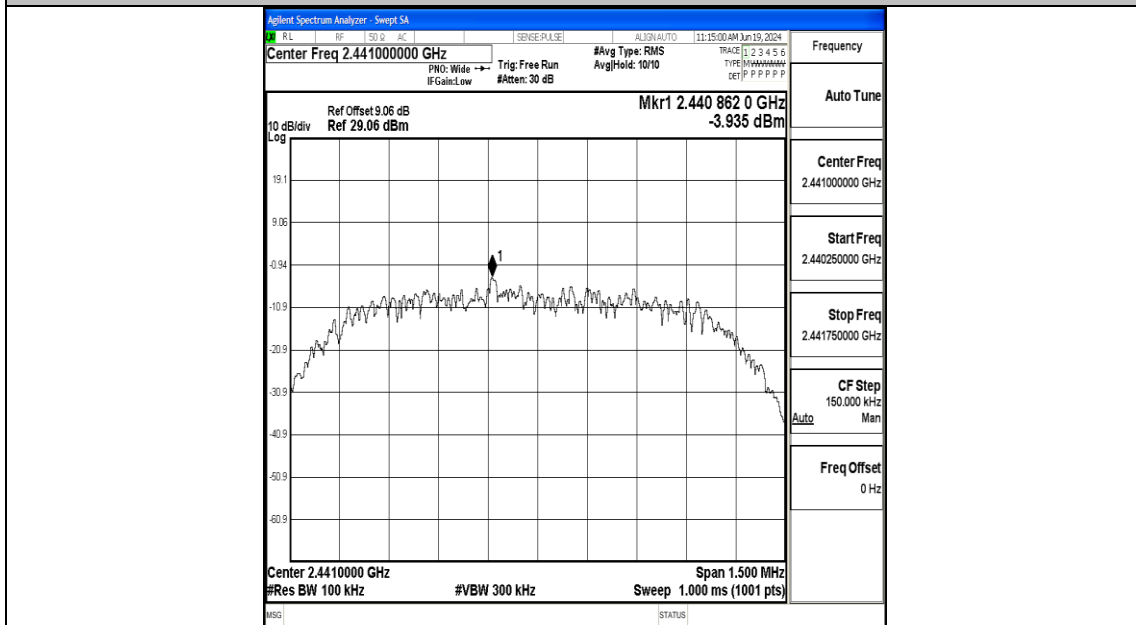
2DH5-Ant1-2402-0~Reference-PASS



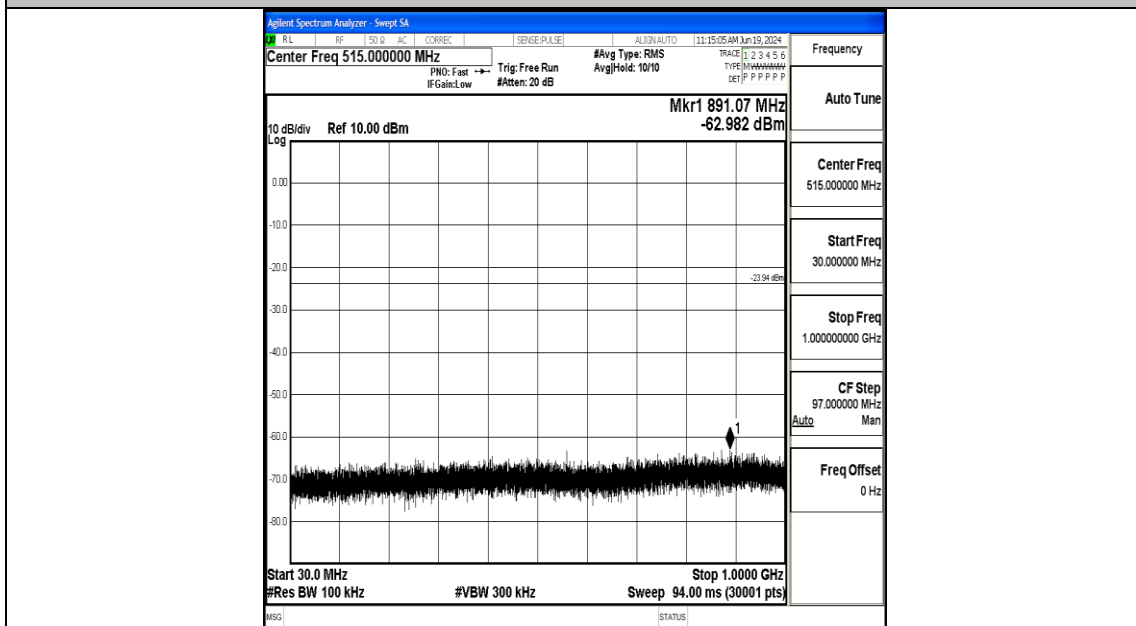
2DH5-Ant1-2402-30~1000-PASS



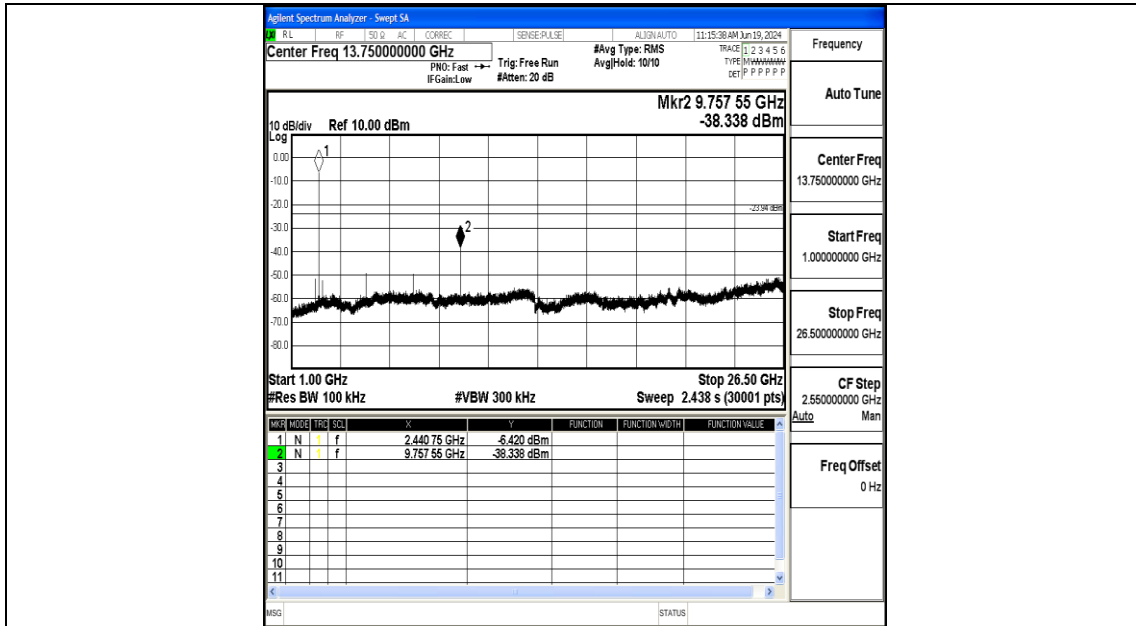
2DH5-Ant1-2402-1000~26500-PASS



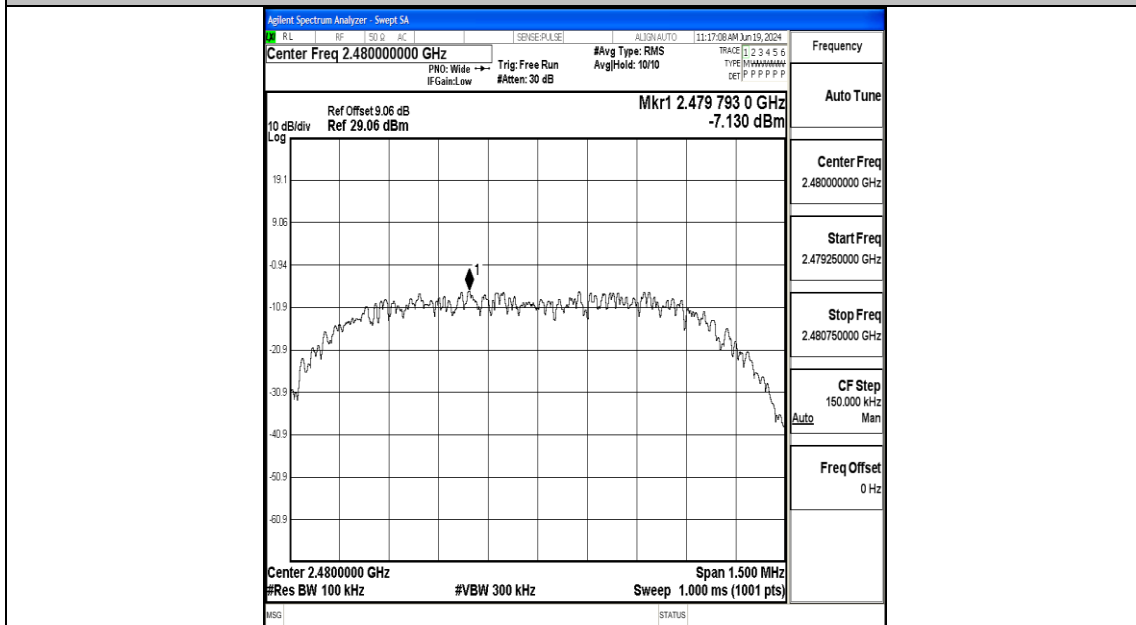
2DH5-Ant1-2441-0~Reference-PASS



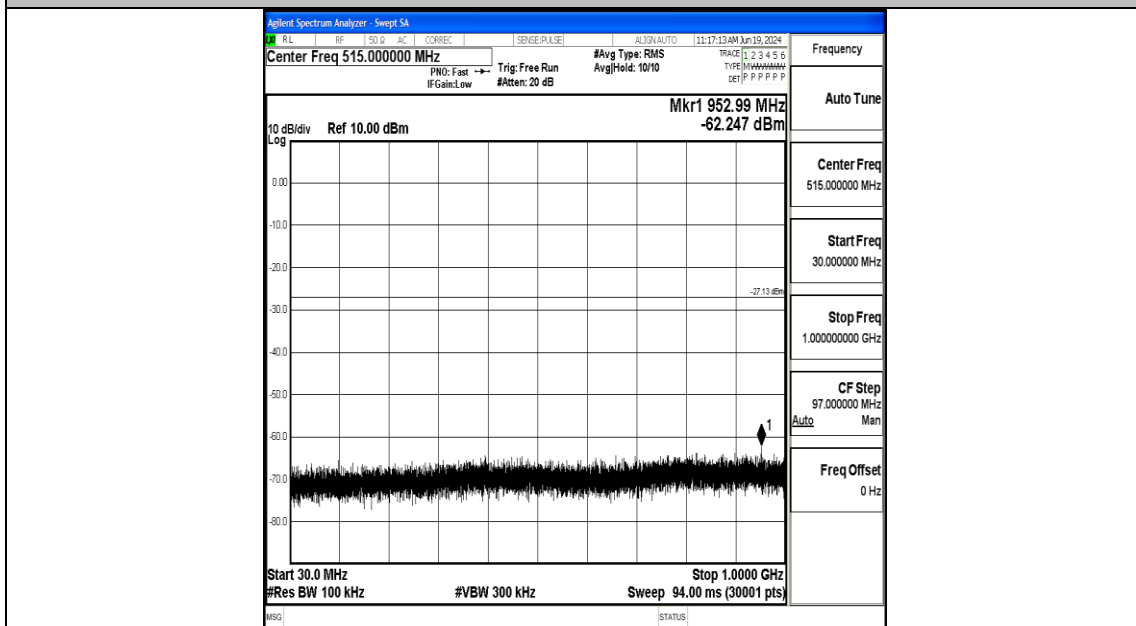
2DH5-Ant1-2441-30~1000-PASS



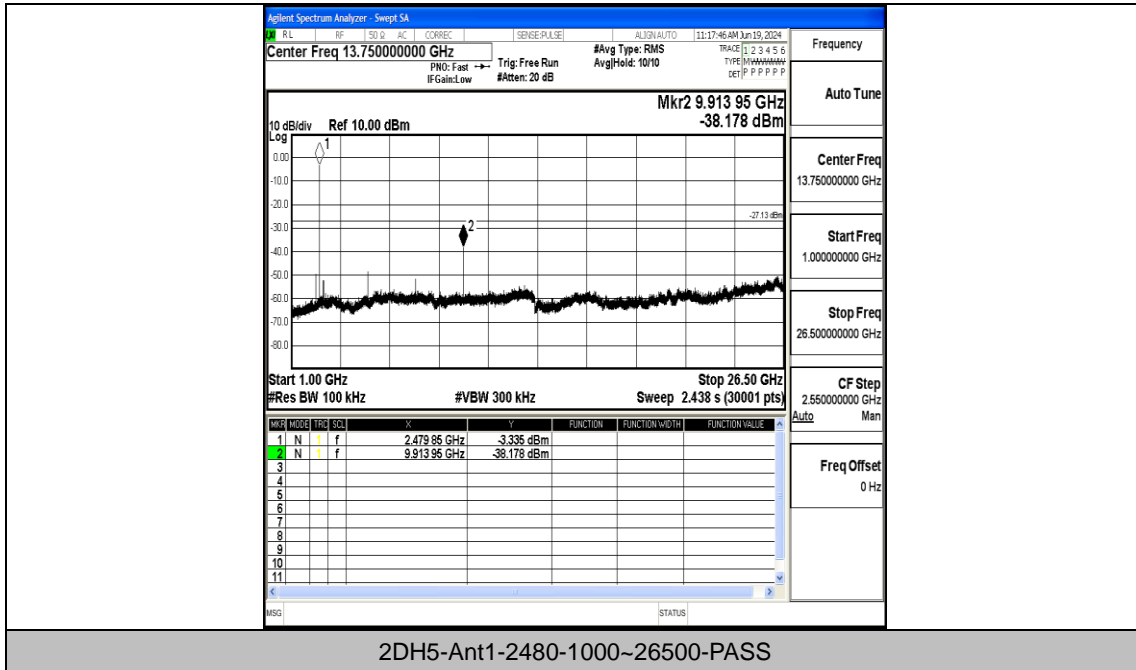
2DH5-Ant1-2441-1000~26500-PASS



2DH5-Ant1-2480-0~Reference-PASS



2DH5-Ant1-2480-30~1000-PASS

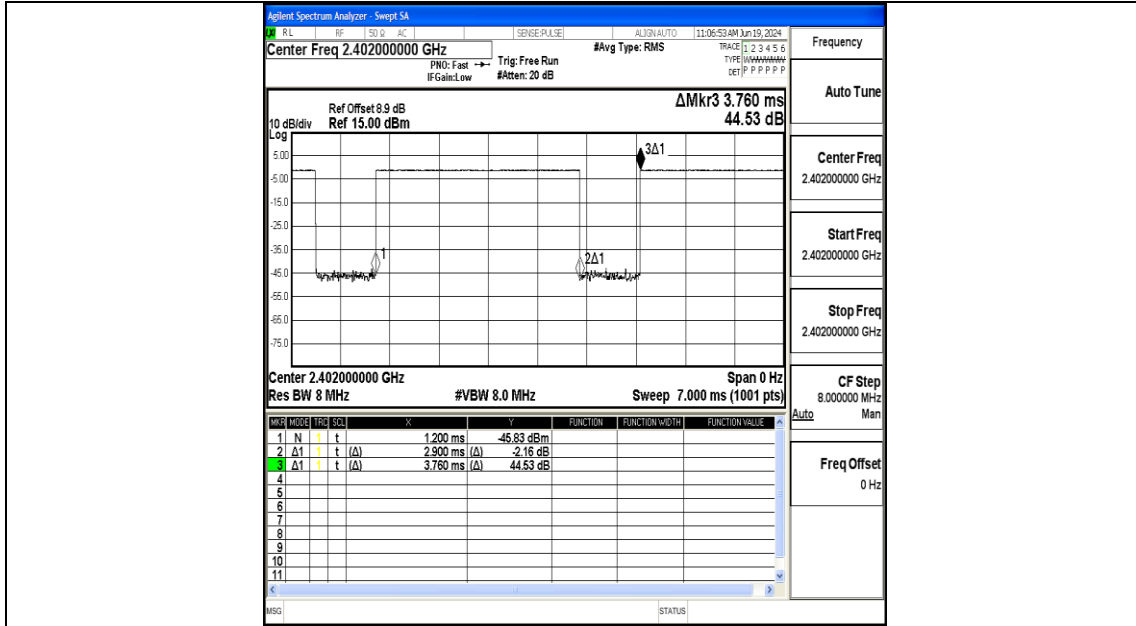


Appendix I: Duty Cycle

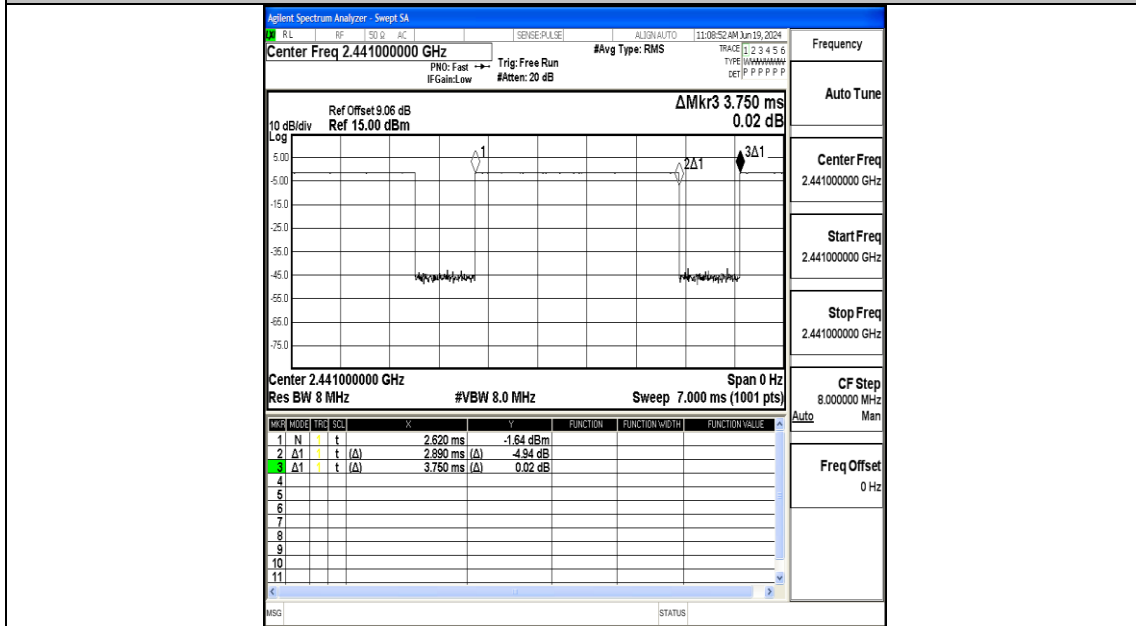
Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|--------------|-------------|----------------|-----------------------|
| DH5 | Ant1 | 2402 | 2.90 | 3.76 | 77.13 | 1.13 |
| DH5 | Ant1 | 2441 | 2.89 | 3.75 | 77.07 | 1.13 |
| DH5 | Ant1 | 2480 | 0.00 | 0.86 | 100 | ∞ |
| 2DH5 | Ant1 | 2402 | 0.00 | 0.85 | 100 | ∞ |
| 2DH5 | Ant1 | 2441 | 0.00 | 0.85 | 100 | ∞ |
| 2DH5 | Ant1 | 2480 | 2.90 | 3.74 | 77.54 | 1.10 |

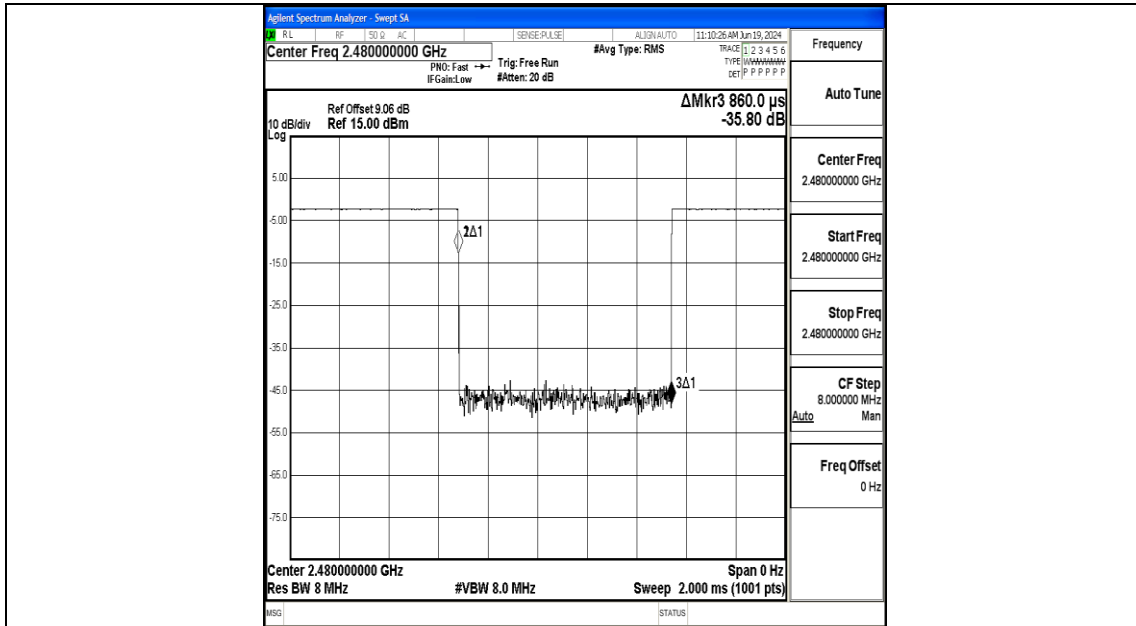
Test Graphs



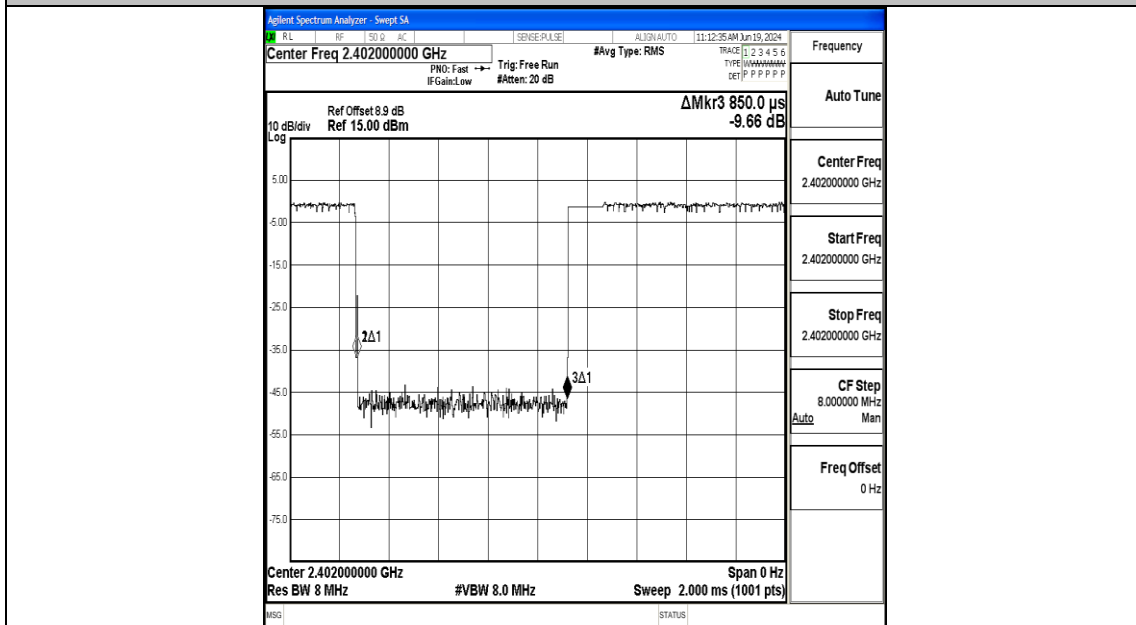
NTNV-DH5-Ant1-2402



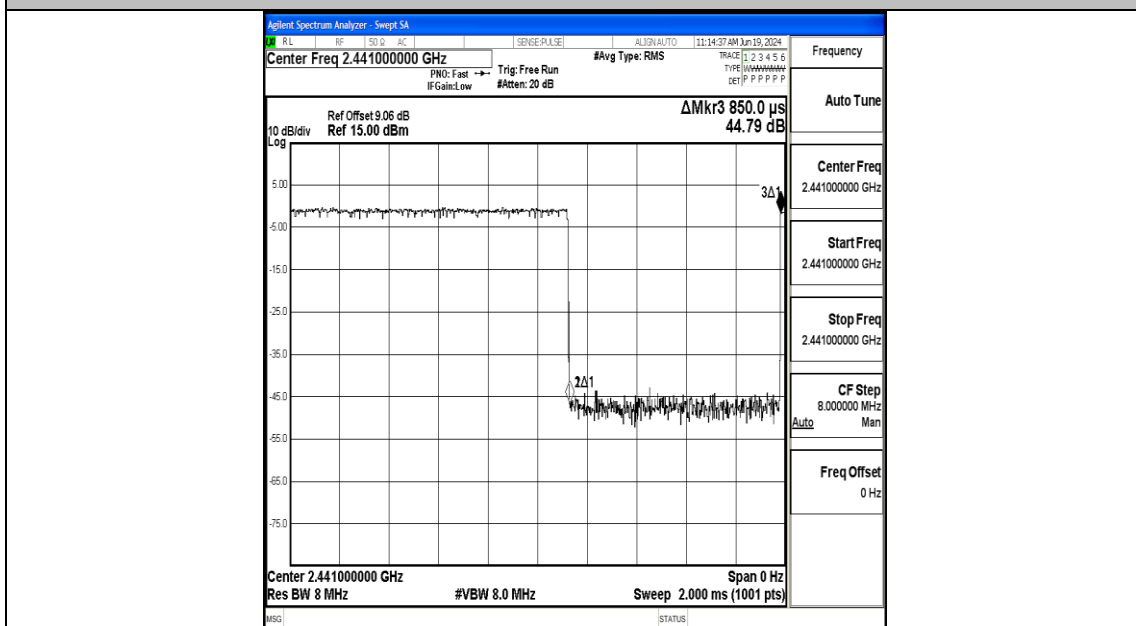
NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

