

Appendix Test Data

| | | | |
|------------------|-------------------|--------------------|--------------------|
| Report No.: | 18220WC40097101 | Test Sample No.: | 1-2-2 |
| Start Test Date: | 2024.5.17 | Finish Test Date: | 2024.6.13 |
| Test Engineer: | <i>Joker Wang</i> | Auditor: | <i>Justin Feng</i> |
| Temperature: | 25.7°C | Relative Humidity: | 47% |
| Pressure: | 101kPa | | |

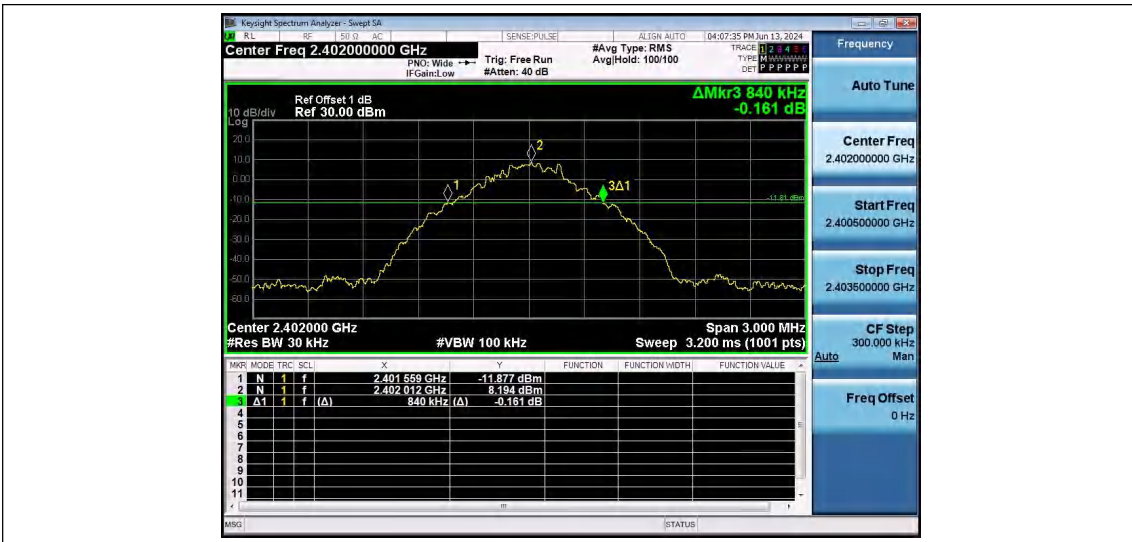
Appendix A: 20dB Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | 20db EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| DH5 | Ant1 | 2402 | 0.840 | 2401.559 | 2402.399 | --- | --- |
| DH5 | Ant1 | 2441 | 0.837 | 2440.562 | 2441.399 | --- | --- |
| DH5 | Ant1 | 2480 | 0.849 | 2479.556 | 2480.405 | --- | --- |
| 2DH5 | Ant1 | 2402 | 1.281 | 2401.355 | 2402.636 | --- | --- |
| 2DH5 | Ant1 | 2441 | 1.269 | 2440.364 | 2441.633 | --- | --- |
| 2DH5 | Ant1 | 2480 | 1.293 | 2479.352 | 2480.645 | --- | --- |
| 3DH5 | Ant1 | 2402 | 1.284 | 2401.355 | 2402.639 | --- | --- |
| 3DH5 | Ant1 | 2441 | 1.266 | 2440.355 | 2441.621 | --- | --- |
| 3DH5 | Ant1 | 2480 | 1.275 | 2479.349 | 2480.624 | --- | --- |



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



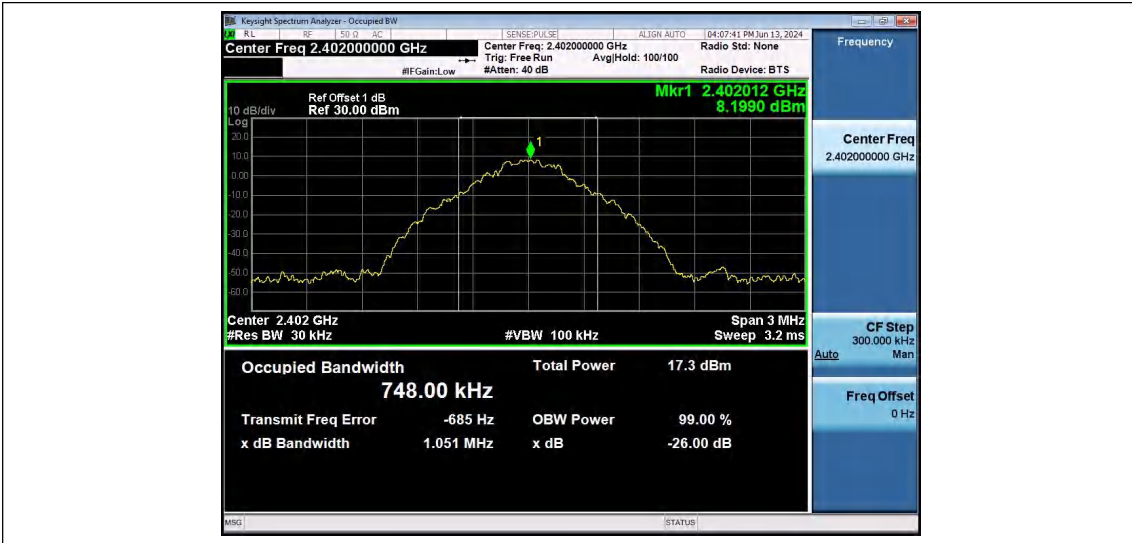
Appendix B: 99% Occupied Bandwidth

Test Result

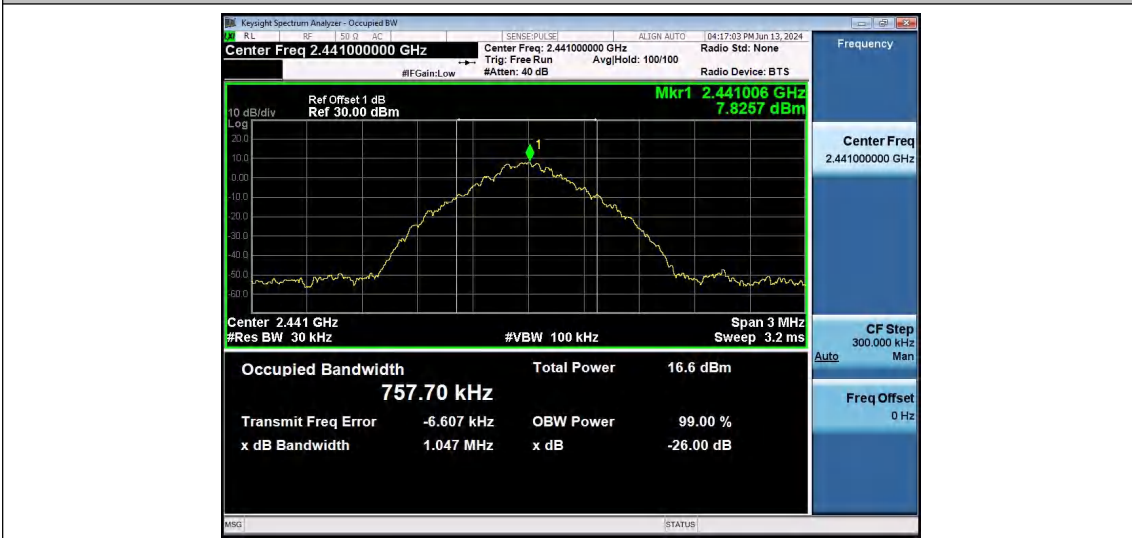
| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5 | Ant1 | 2402 | 0.74800 | 2401.6253 | 2402.3733 | --- | --- |
| DH5 | Ant1 | 2441 | 0.75770 | 2440.6145 | 2441.3722 | --- | --- |
| DH5 | Ant1 | 2480 | 0.75035 | 2479.6178 | 2480.3682 | --- | --- |
| 2DH5 | Ant1 | 2402 | 1.1630 | 2401.4071 | 2402.5701 | --- | --- |
| 2DH5 | Ant1 | 2441 | 1.1640 | 2440.4066 | 2441.5706 | --- | --- |
| 2DH5 | Ant1 | 2480 | 1.1654 | 2479.4079 | 2480.5733 | --- | --- |
| 3DH5 | Ant1 | 2402 | 1.1742 | 2401.4029 | 2402.5771 | --- | --- |
| 3DH5 | Ant1 | 2441 | 1.1680 | 2440.4077 | 2441.5757 | --- | --- |
| 3DH5 | Ant1 | 2480 | 1.1861 | 2479.3971 | 2480.5832 | --- | --- |



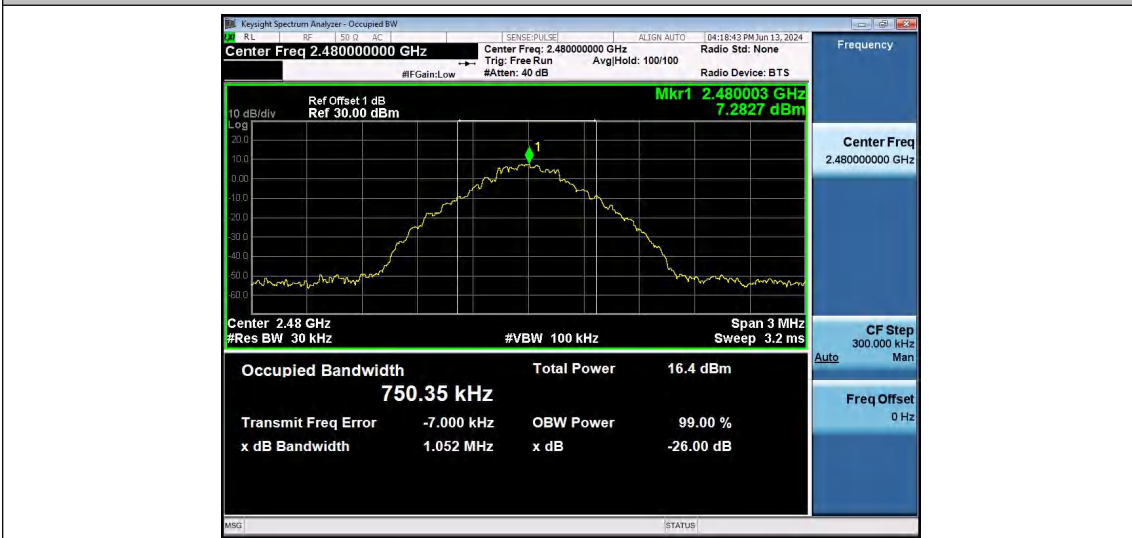
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



Appendix C: Maximum Output Power

Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5 | Ant1 | 2402 | 10.92 | ≤20.97 | PASS |
| DH5 | Ant1 | 2441 | 10.41 | ≤20.97 | PASS |
| DH5 | Ant1 | 2480 | 10.06 | ≤20.97 | PASS |
| 2DH5 | Ant1 | 2402 | 9.93 | ≤20.97 | PASS |
| 2DH5 | Ant1 | 2441 | 10.49 | ≤20.97 | PASS |
| 2DH5 | Ant1 | 2480 | 10.13 | ≤20.97 | PASS |
| 3DH5 | Ant1 | 2402 | 10.02 | ≤20.97 | PASS |
| 3DH5 | Ant1 | 2441 | 10.52 | ≤20.97 | PASS |
| 3DH5 | Ant1 | 2480 | 10.16 | ≤20.97 | PASS |



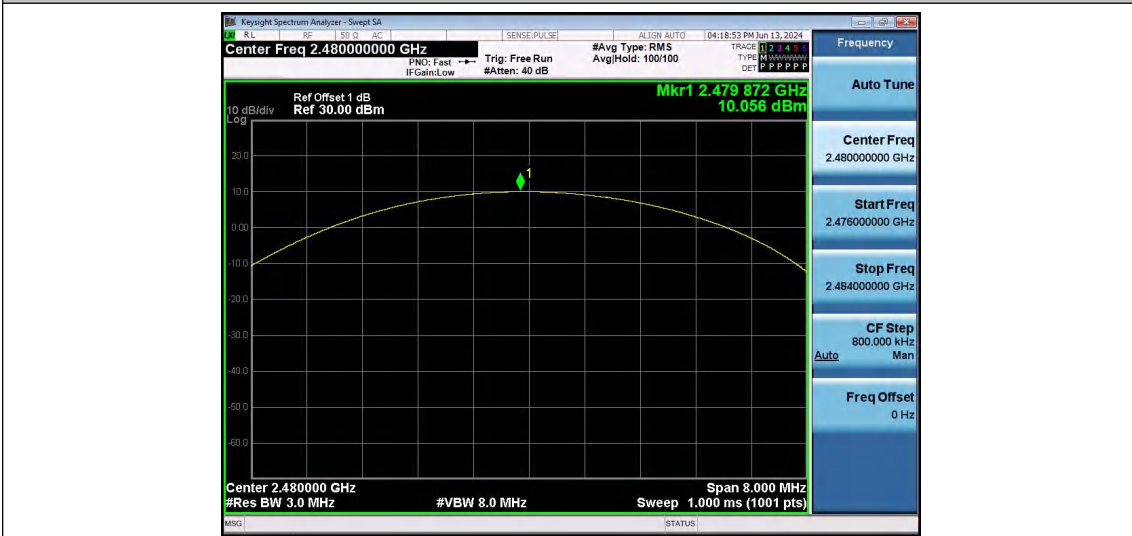
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

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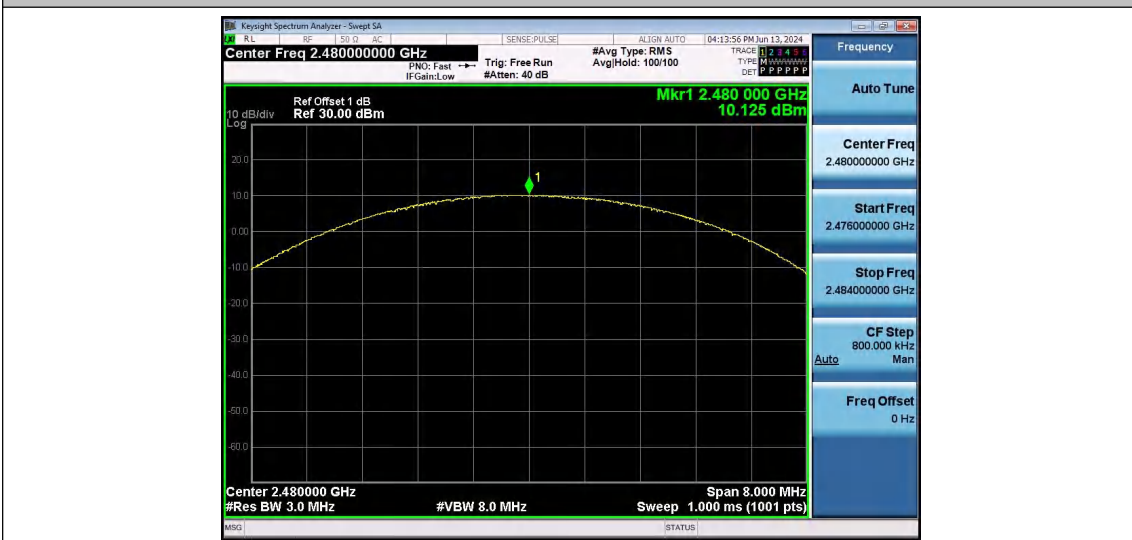




2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



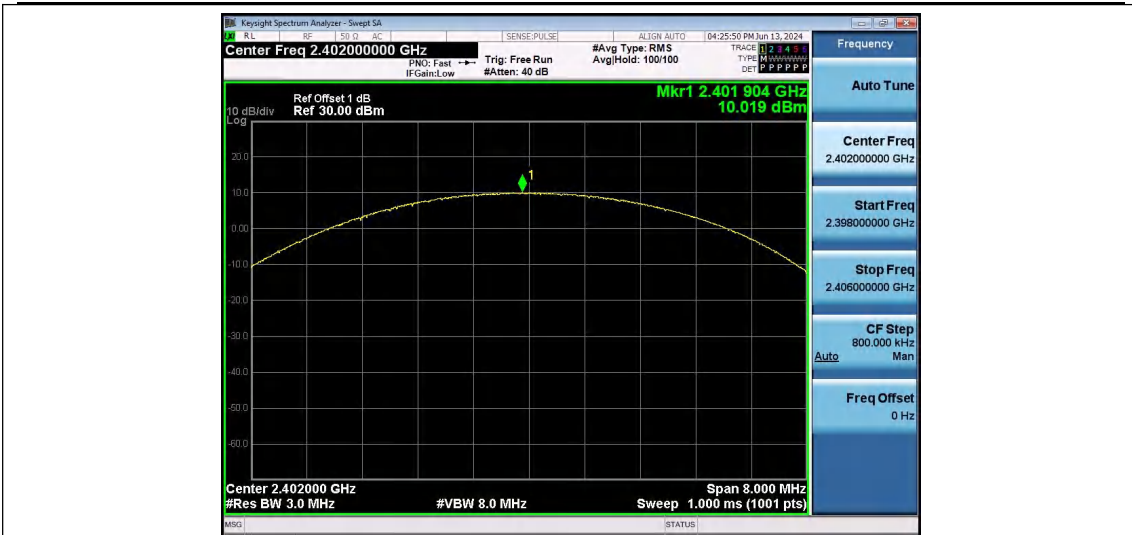
2DH5-Ant1-2480-PASS

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3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS



Appendix D: Carrier frequency separation

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5 | Ant1 | Hop | 1.002 | ≥0.849 | PASS |
| 2DH5 | Ant1 | Hop | 1.008 | ≥0.862 | PASS |
| 3DH5 | Ant1 | Hop | 1.006 | ≥0.856 | PASS |



Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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Appendix E: Dwell Time

Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|-----------------|-----------------|-----------|----------|---------|
| DH1 | Ant1 | Hop | 0.374 | 314 | 0.117 | ≤0.4 | PASS |
| DH3 | Ant1 | Hop | 1.629 | 157 | 0.256 | ≤0.4 | PASS |
| DH5 | Ant1 | Hop | 2.878 | 110 | 0.317 | ≤0.4 | PASS |
| 2DH1 | Ant1 | Hop | 0.383 | 312 | 0.119 | ≤0.4 | PASS |
| 2DH3 | Ant1 | Hop | 1.634 | 156 | 0.255 | ≤0.4 | PASS |
| 2DH5 | Ant1 | Hop | 2.882 | 113 | 0.326 | ≤0.4 | PASS |
| 3DH1 | Ant1 | Hop | 0.381 | 313 | 0.119 | ≤0.4 | PASS |
| 3DH3 | Ant1 | Hop | 1.634 | 158 | 0.258 | ≤0.4 | PASS |
| 3DH5 | Ant1 | Hop | 2.884 | 110 | 0.317 | ≤0.4 | PASS |

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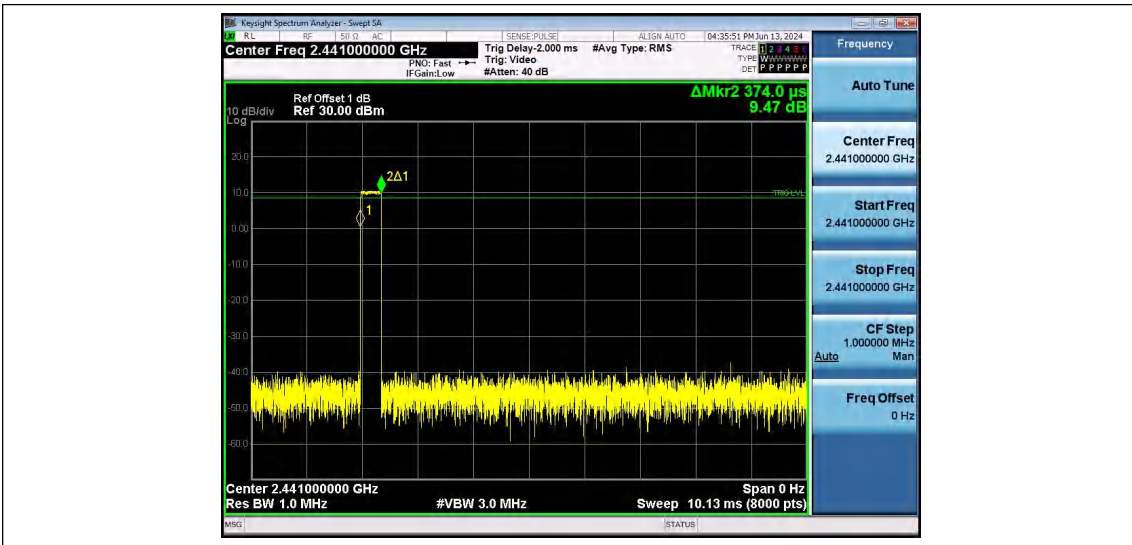
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com



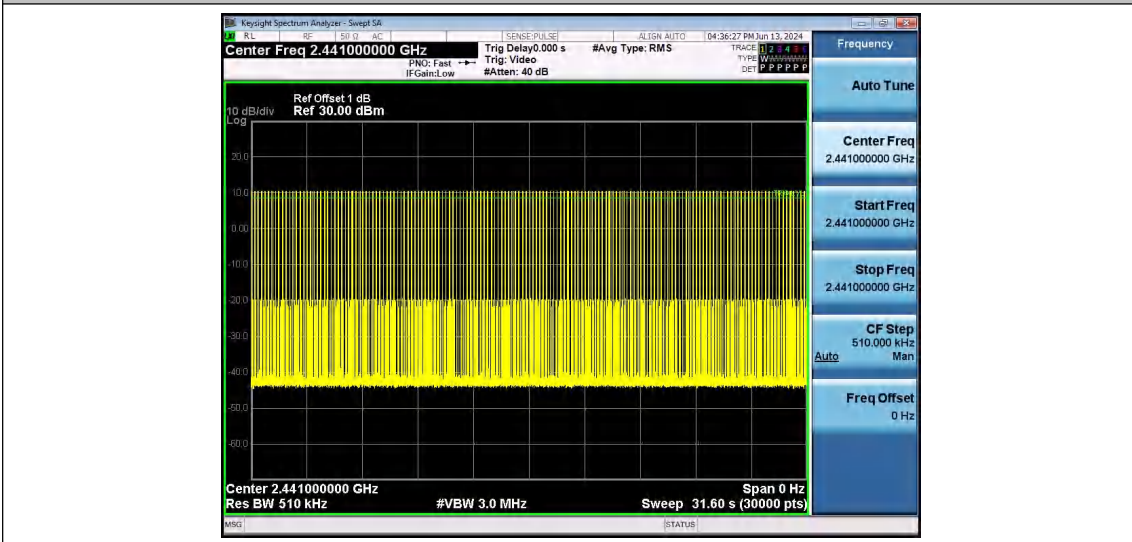
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Test Graphs



DH1-Ant1-Hop-PASS



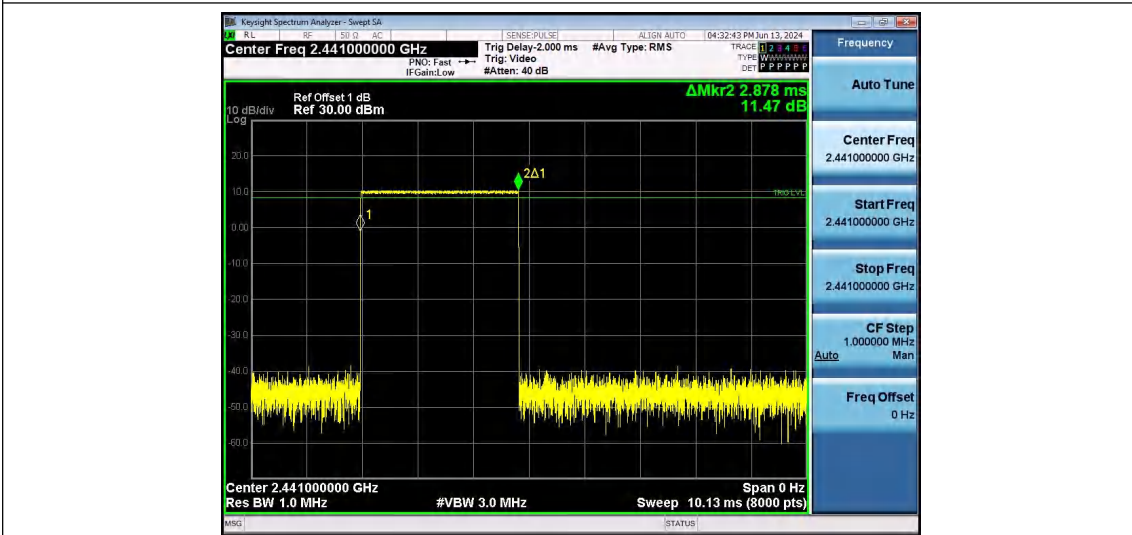
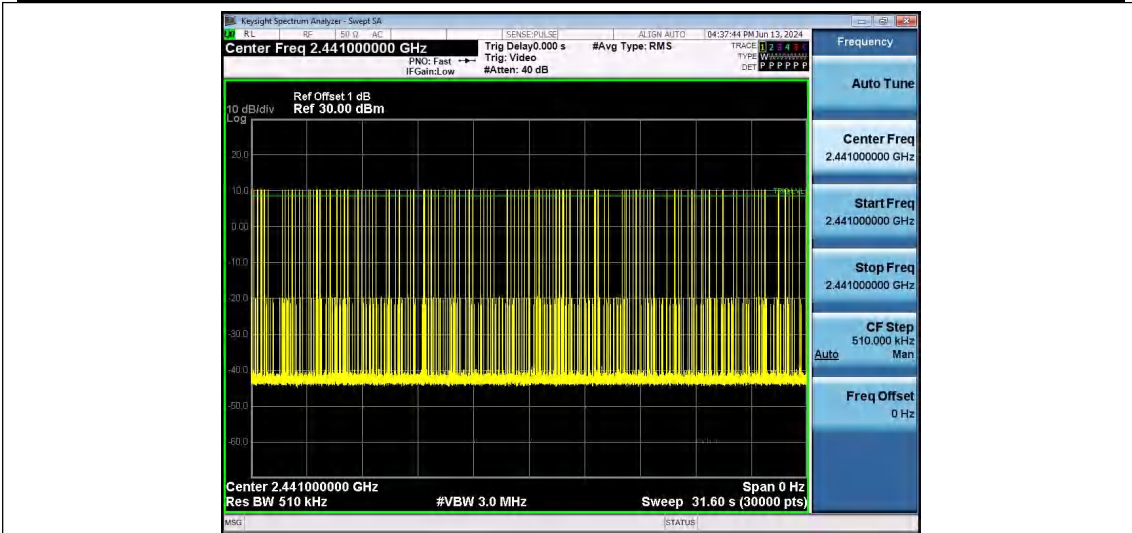
DH3-Ant1-Hop-PASS

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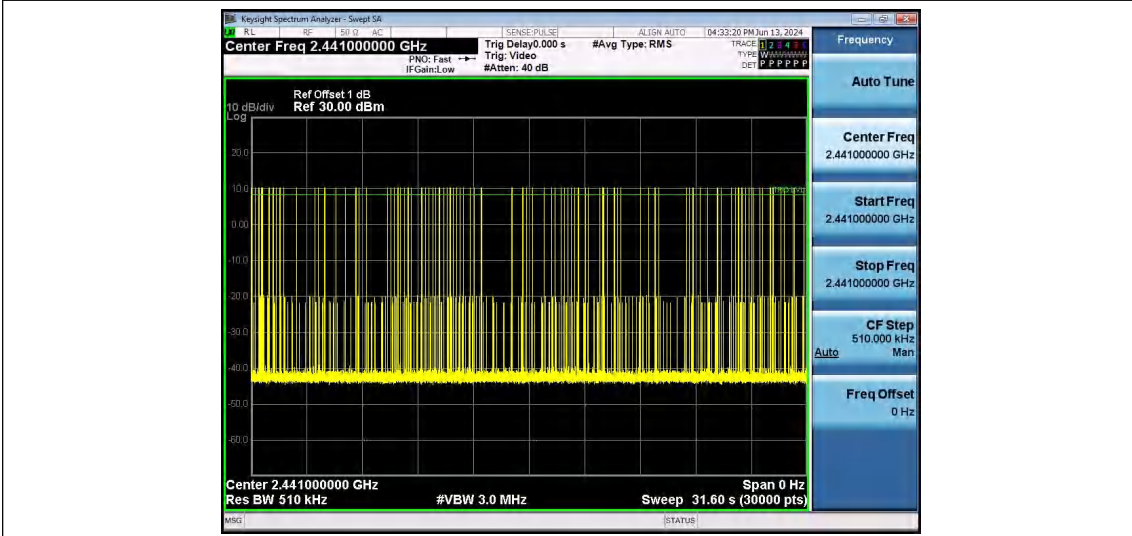
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
 Tel: (86)0755-26066440 Email: service@anbotek.com

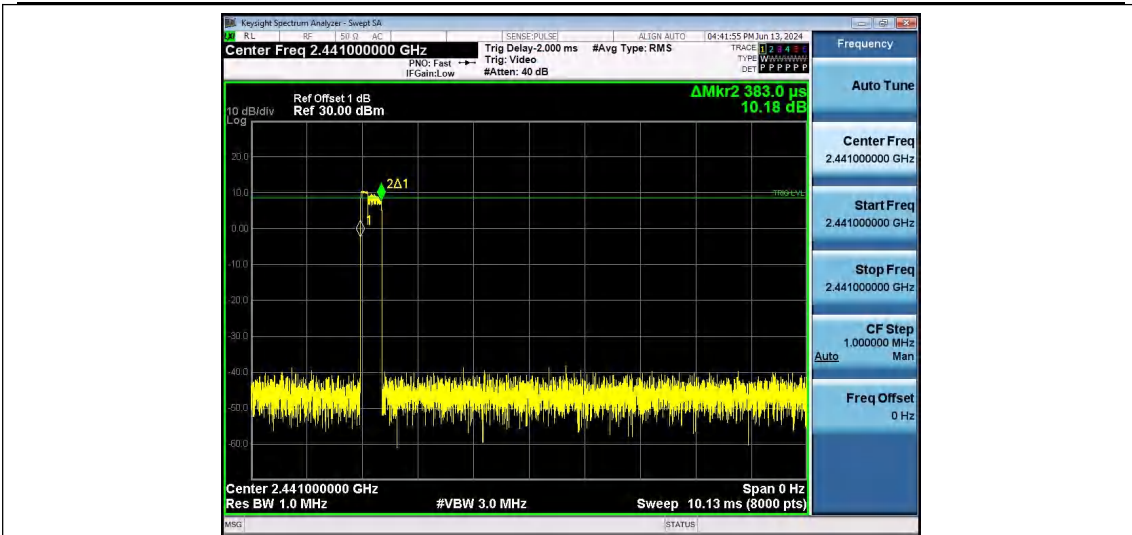
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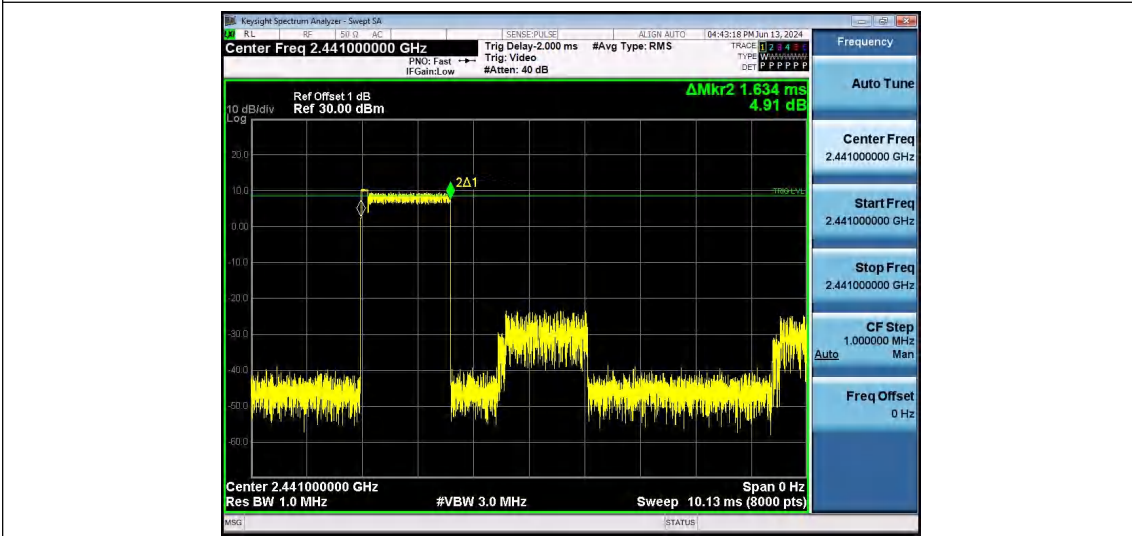
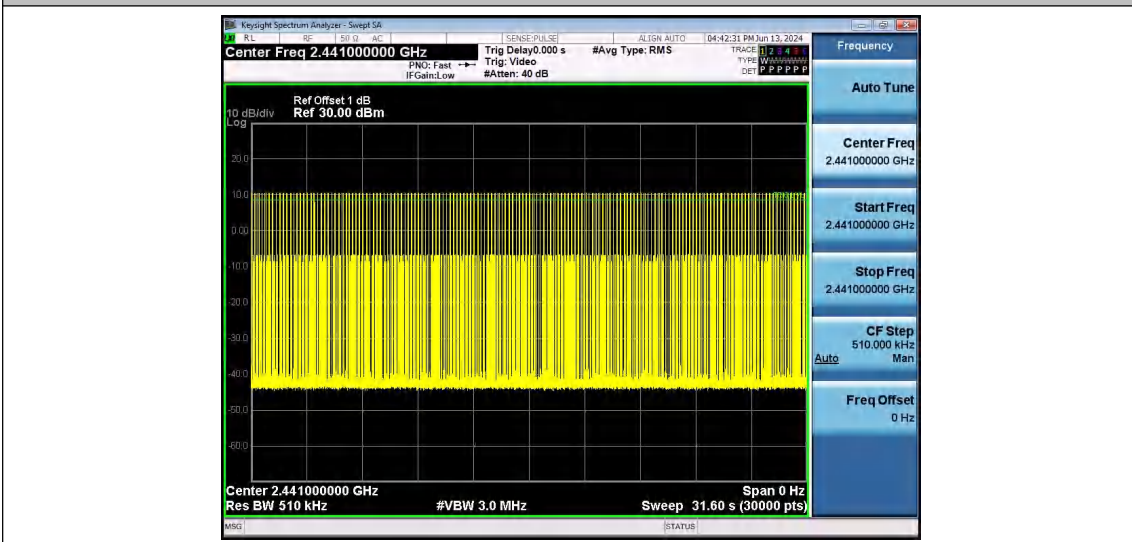


DH5-Ant1-Hop-PASS



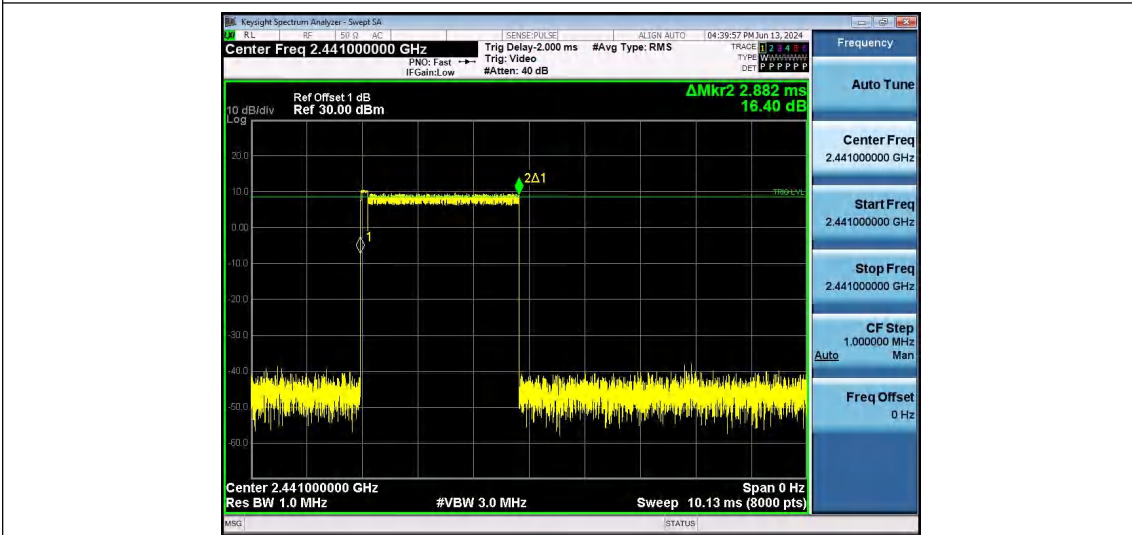
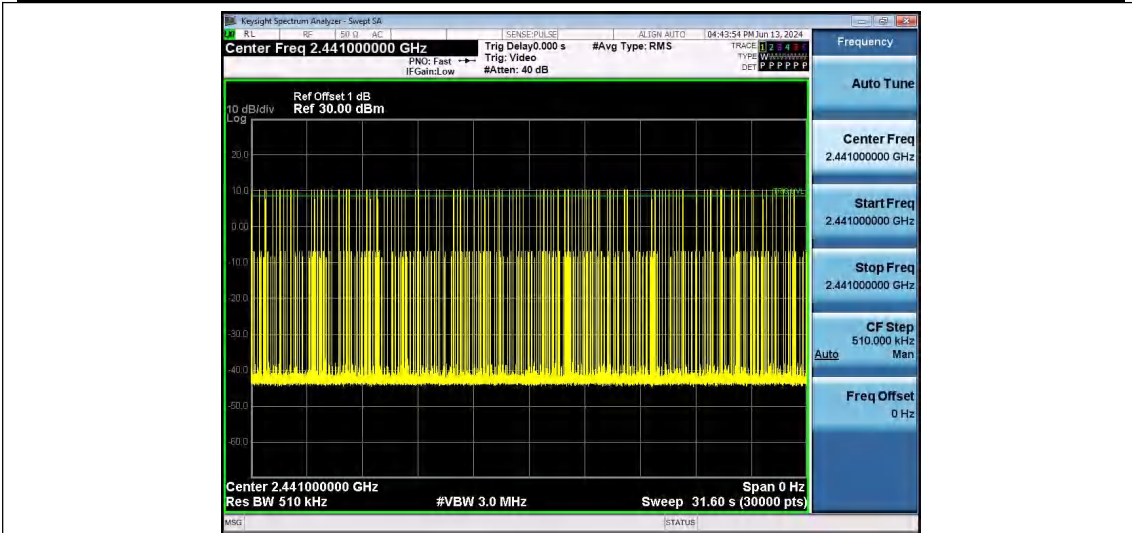


2DH1-Ant1-Hop-PASS

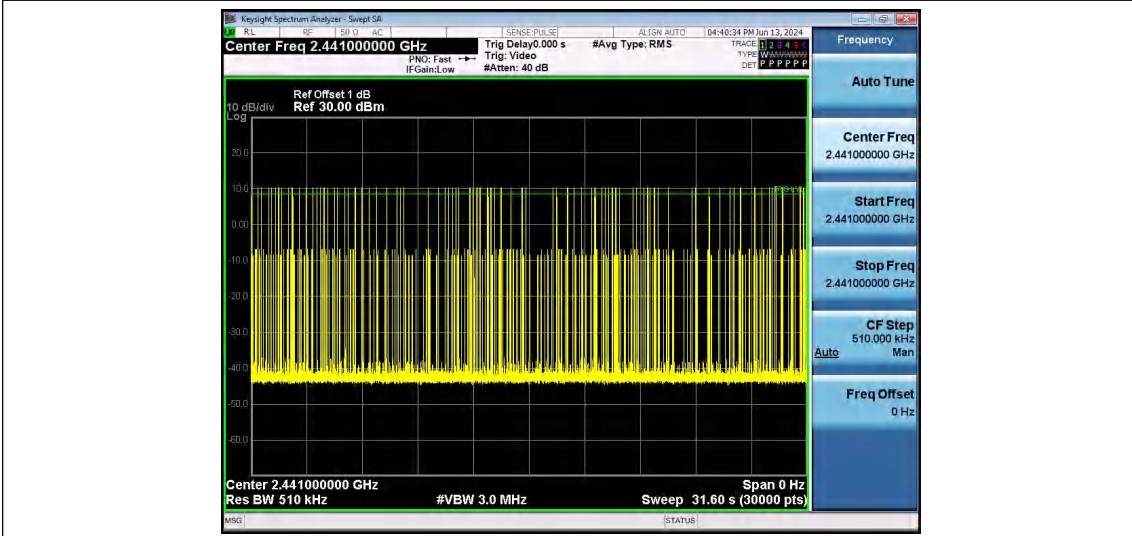


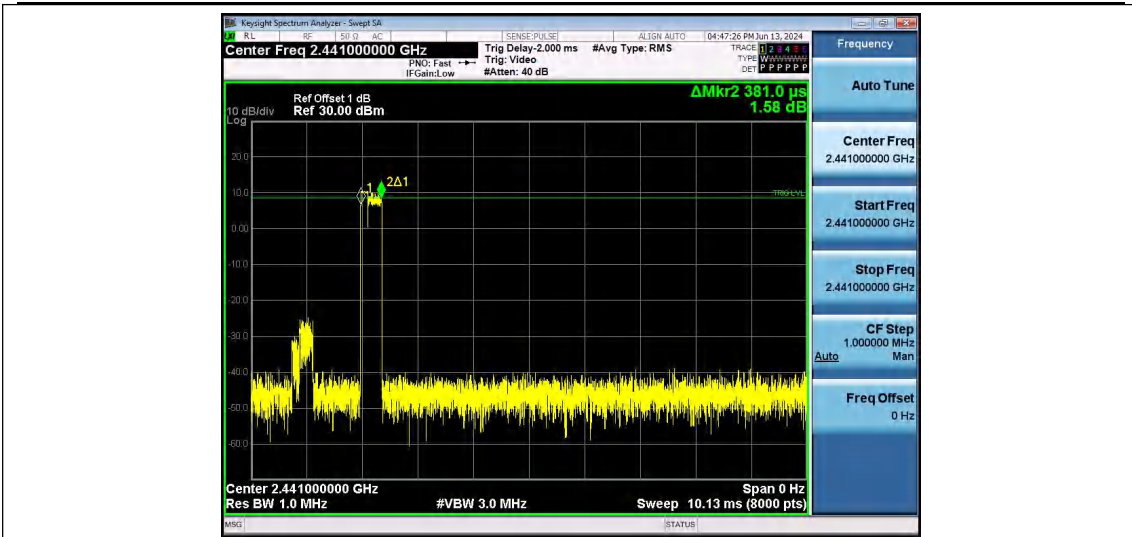
2DH3-Ant1-Hop-PASS



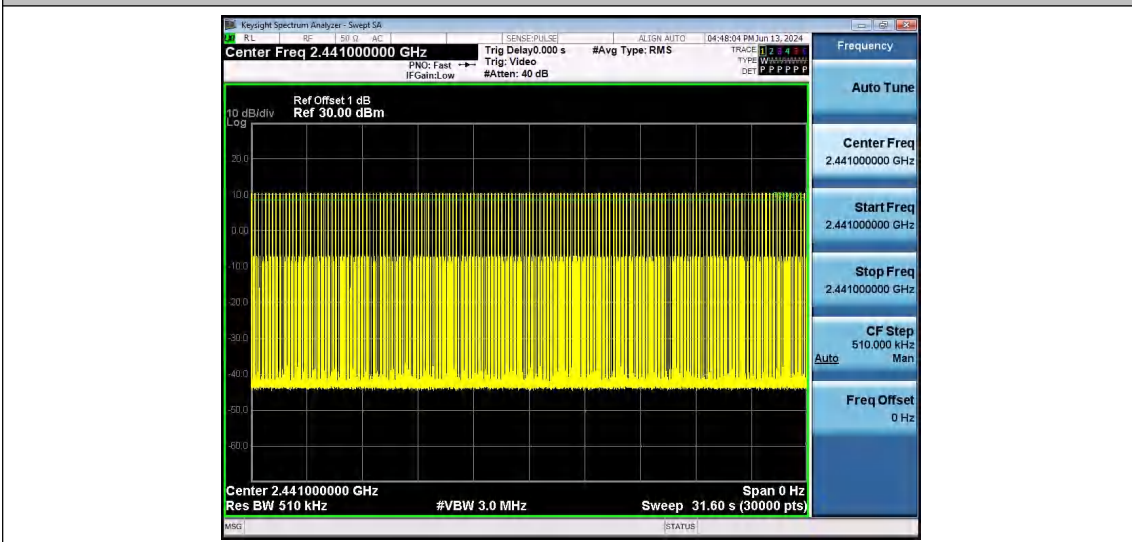


2DH5-Ant1-Hop-PASS





3DH1-Ant1-Hop-PASS



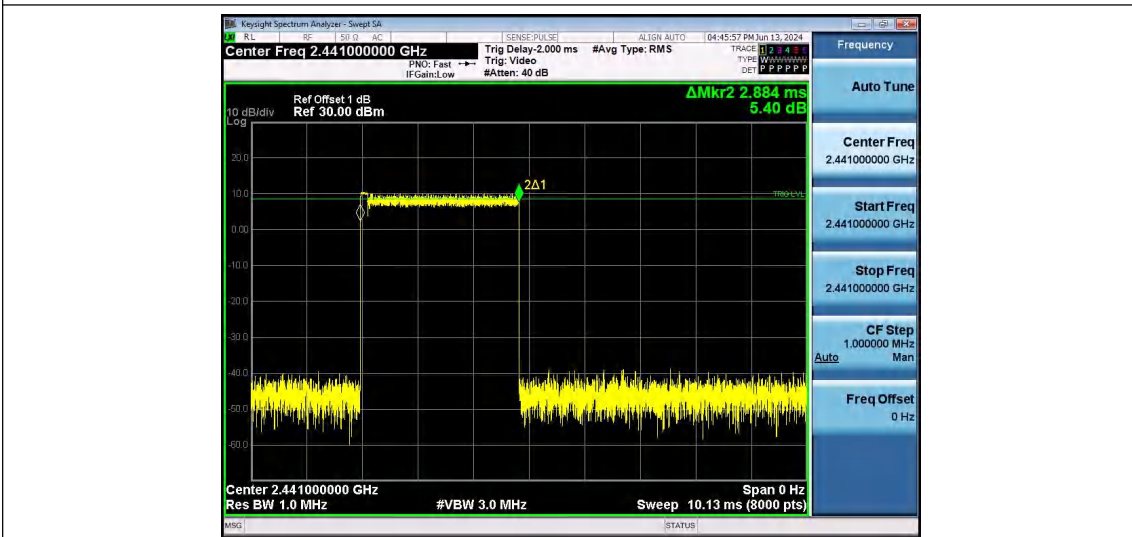
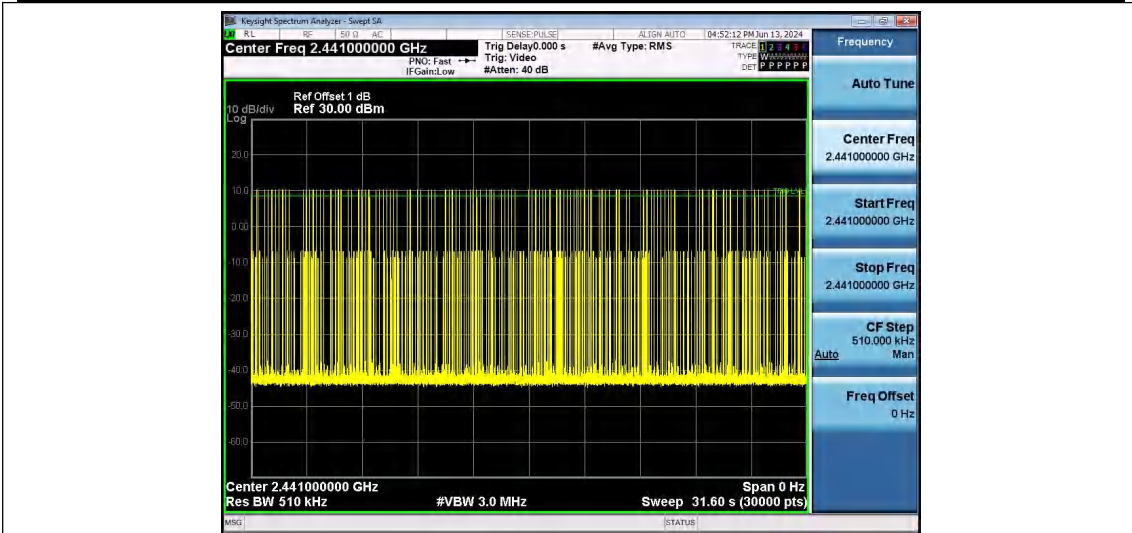
3DH3-Ant1-Hop-PASS

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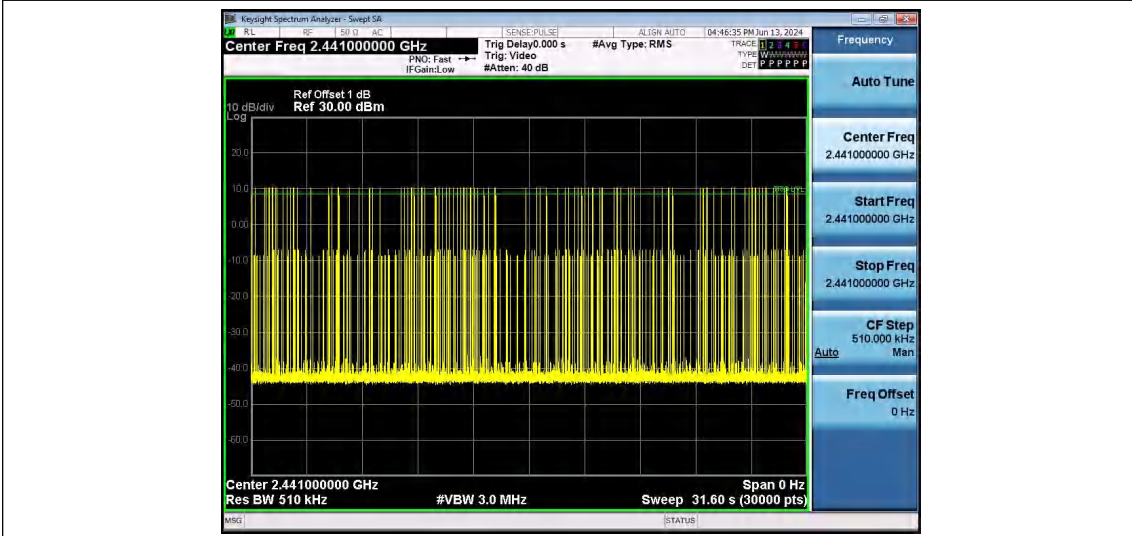
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3DH5-Ant1-Hop-PASS



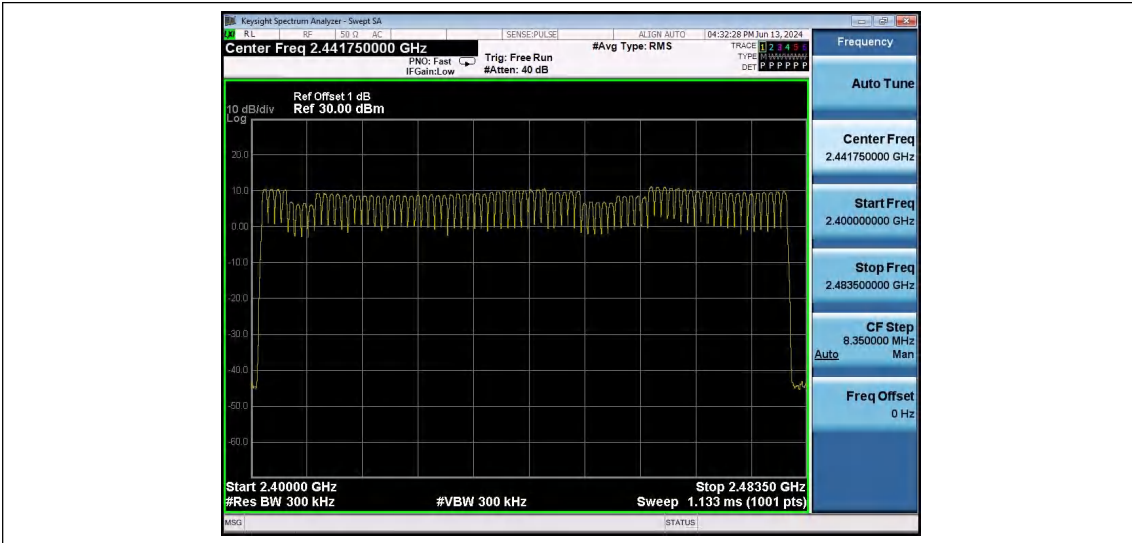
Appendix F: Number of Hopping Channel

Test Result

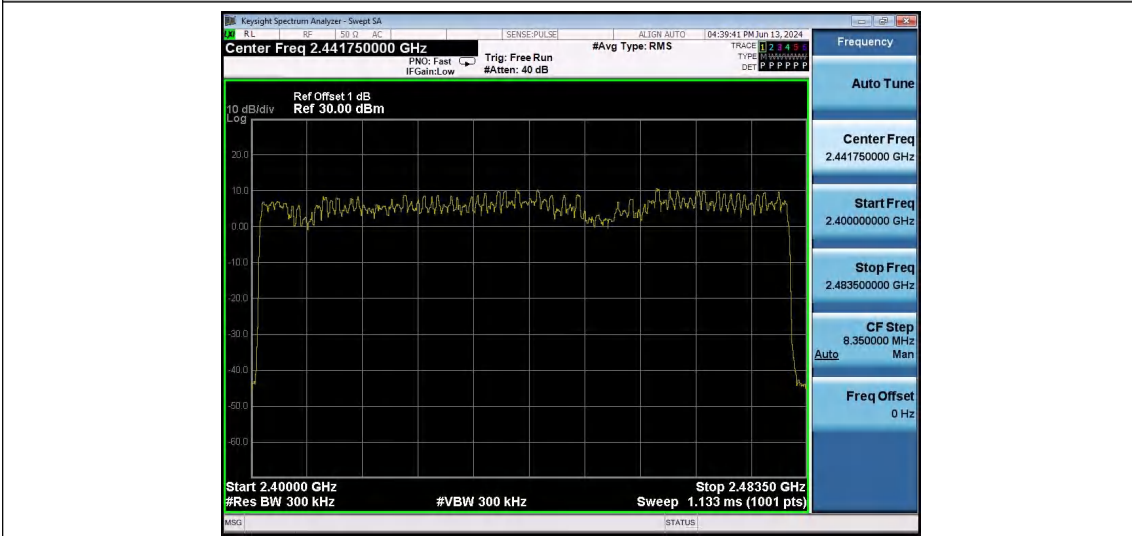
| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5 | Ant1 | Hop | 79 | ≥15 | PASS |
| 2DH5 | Ant1 | Hop | 79 | ≥15 | PASS |
| 3DH5 | Ant1 | Hop | 79 | ≥15 | PASS |



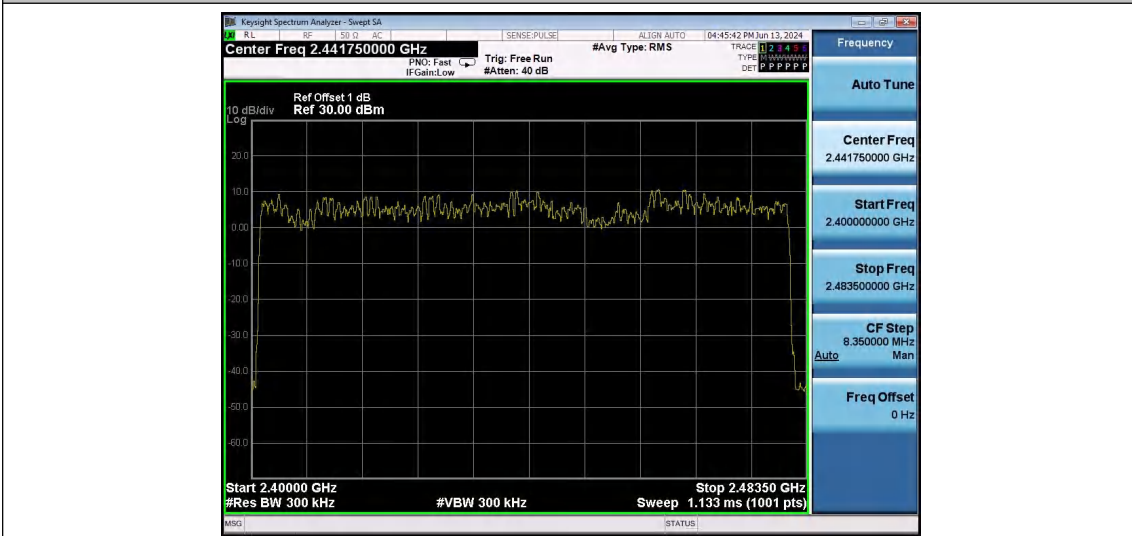
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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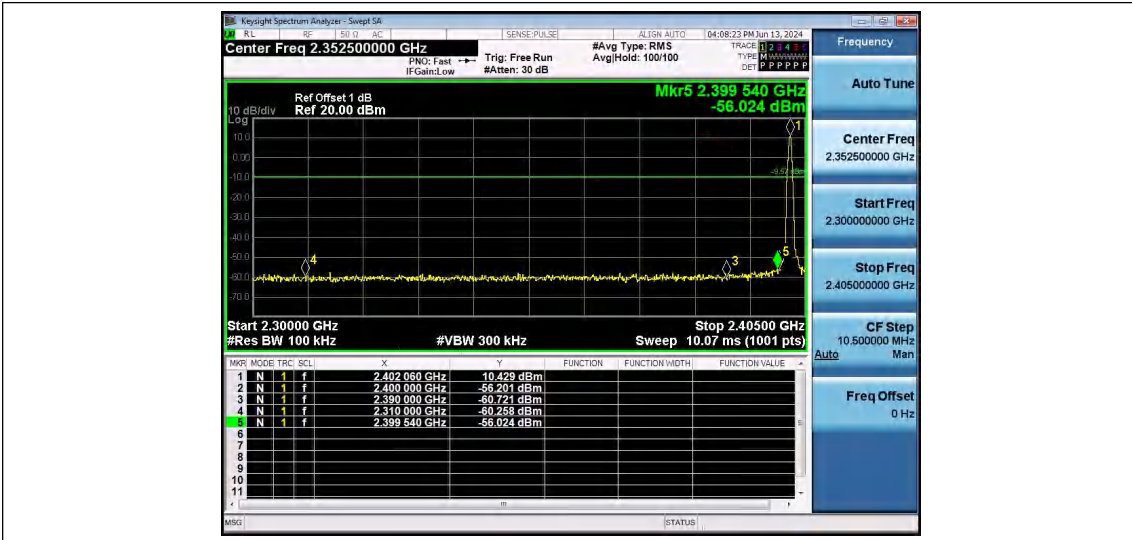
Appendix G: Conducted Band edge

Test Result

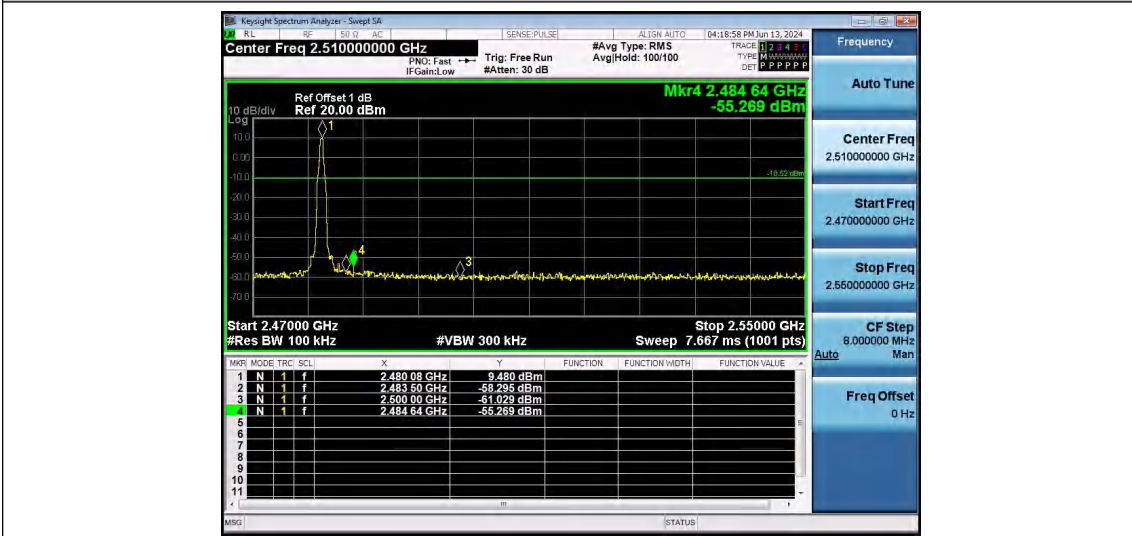
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5 | Ant1 | Low | 2402 | 10.43 | -56.02 | ≤-9.57 | PASS |
| DH5 | Ant1 | High | 2480 | 9.48 | -55.27 | ≤-10.52 | PASS |
| DH5 | Ant1 | Low | Hop_2402 | 10.19 | -56.87 | ≤-9.81 | PASS |
| DH5 | Ant1 | High | Hop_2480 | 9.06 | -56.20 | ≤-10.94 | PASS |
| 2DH5 | Ant1 | Low | 2402 | 9.27 | -51.91 | ≤-10.73 | PASS |
| 2DH5 | Ant1 | High | 2480 | 6.42 | -56.98 | ≤-13.58 | PASS |
| 2DH5 | Ant1 | Low | Hop_2402 | 6.71 | -55.53 | ≤-13.29 | PASS |
| 2DH5 | Ant1 | High | Hop_2480 | 8.67 | -56.11 | ≤-11.33 | PASS |
| 3DH5 | Ant1 | Low | 2402 | 8.57 | -50.56 | ≤-11.43 | PASS |
| 3DH5 | Ant1 | High | 2480 | 8.69 | -56.07 | ≤-11.31 | PASS |
| 3DH5 | Ant1 | Low | Hop_2402 | 8.36 | -53.02 | ≤-11.64 | PASS |
| 3DH5 | Ant1 | High | Hop_2480 | 9.28 | -56.49 | ≤-10.72 | PASS |



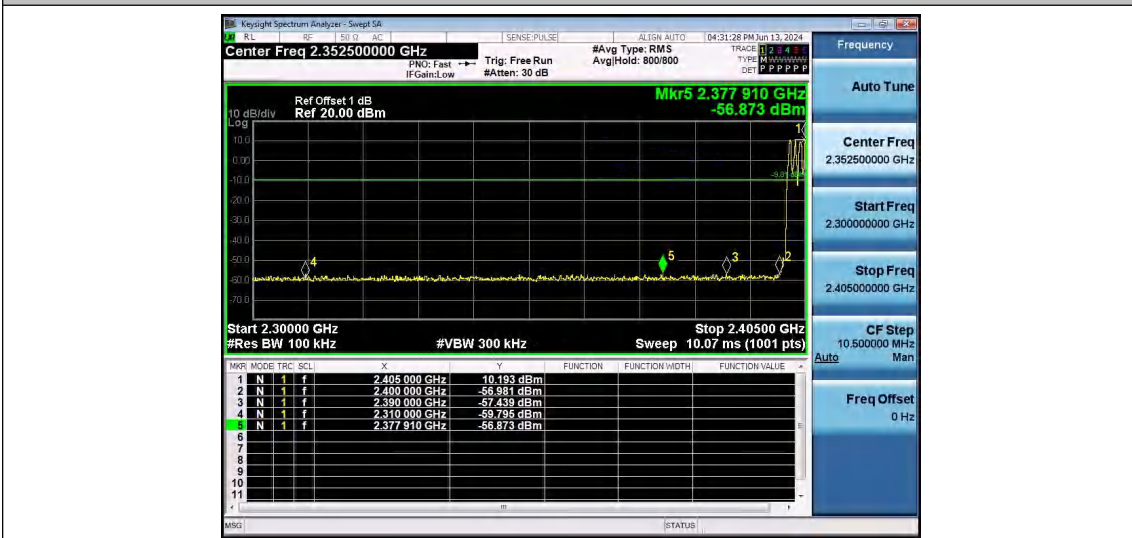
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



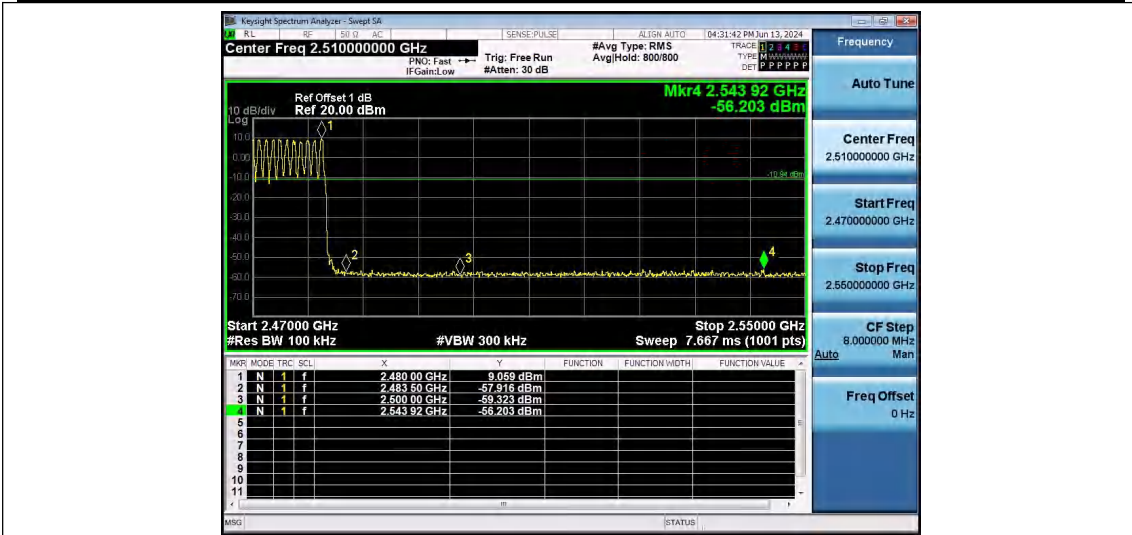
DH5-Ant1-Hop_2402-PASS

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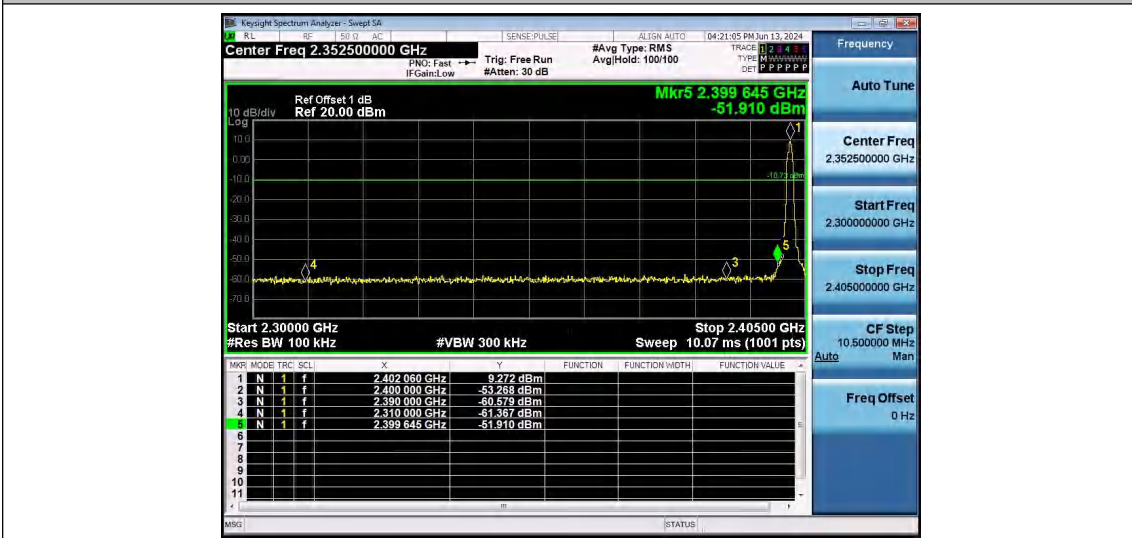
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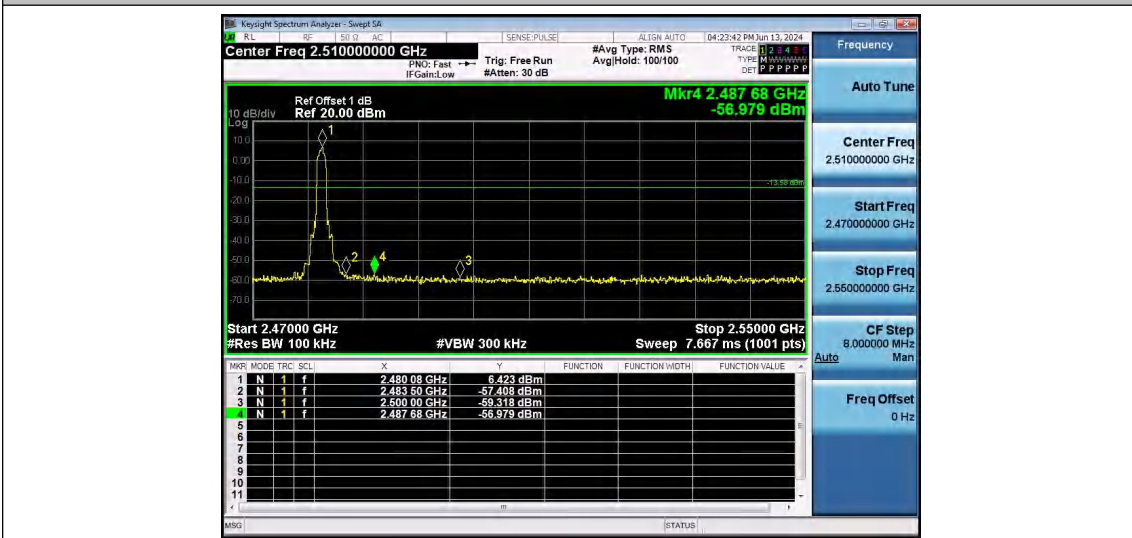




DH5-Ant1-Hop_2480-PASS

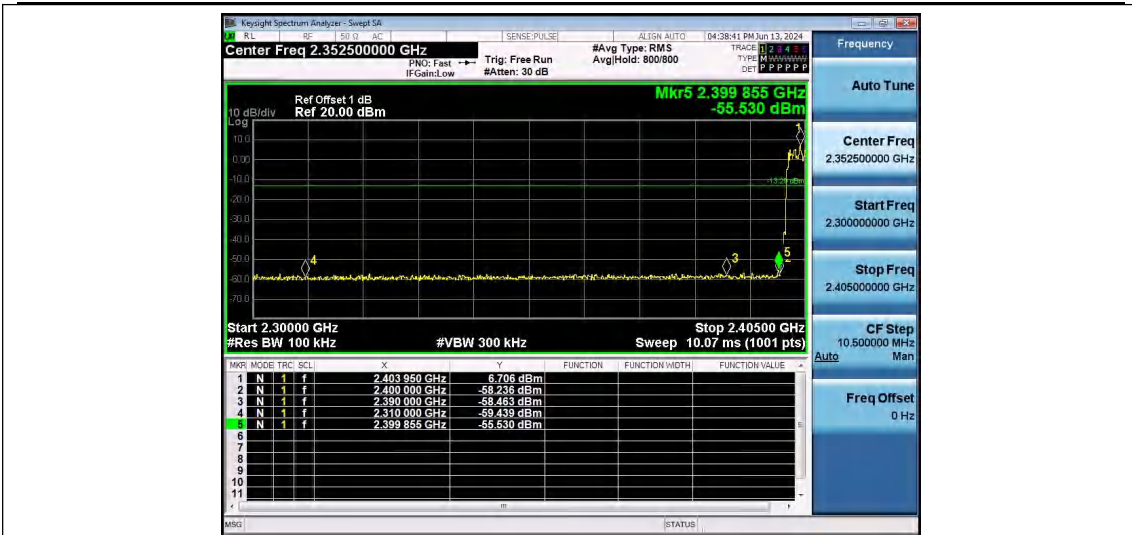


2DH5-Ant1-2402-PASS

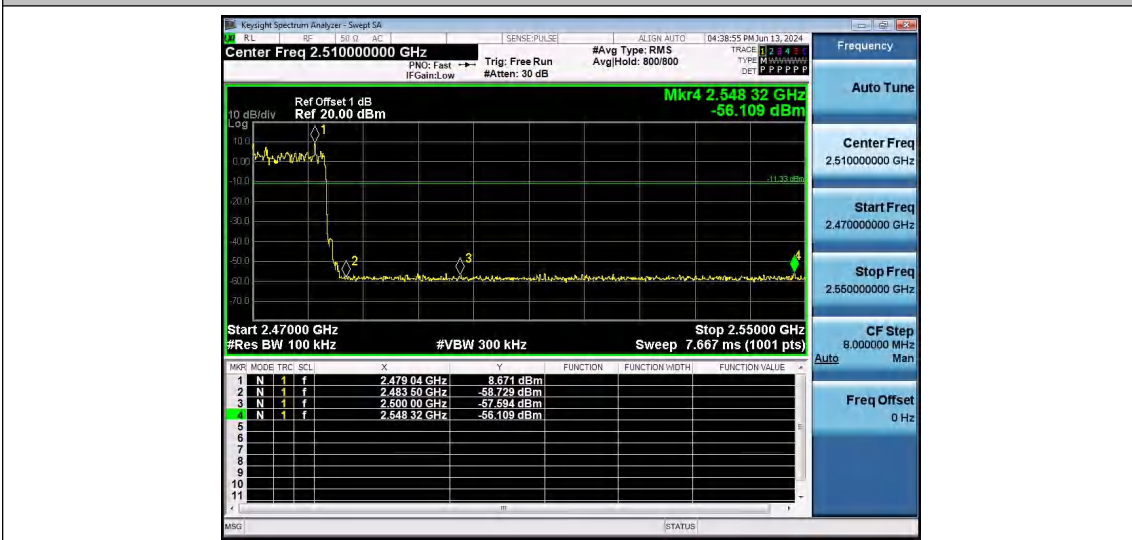


2DH5-Ant1-2480-PASS

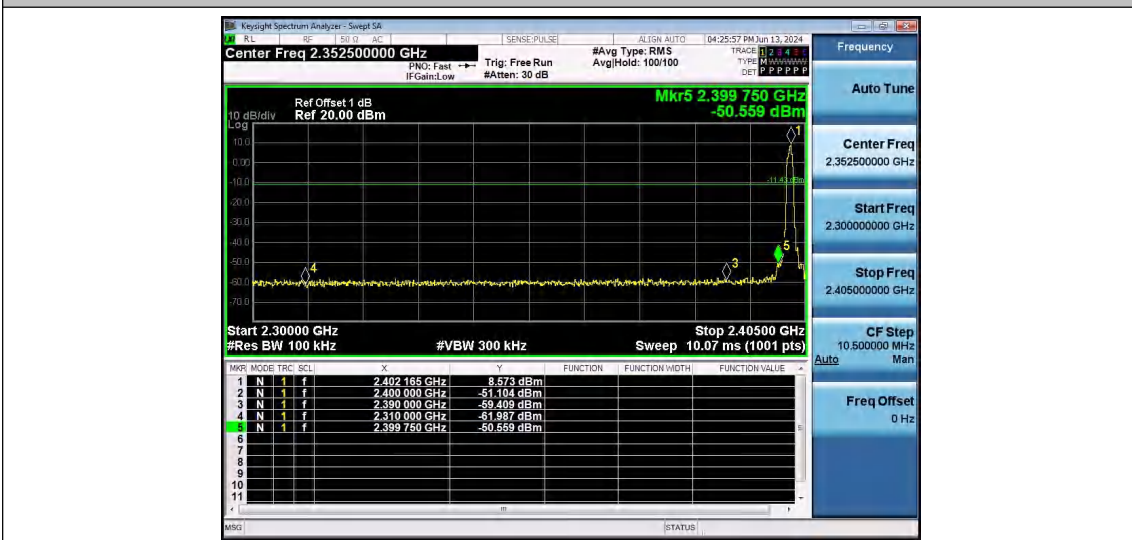




2DH5-Ant1-Hop_2402-PASS

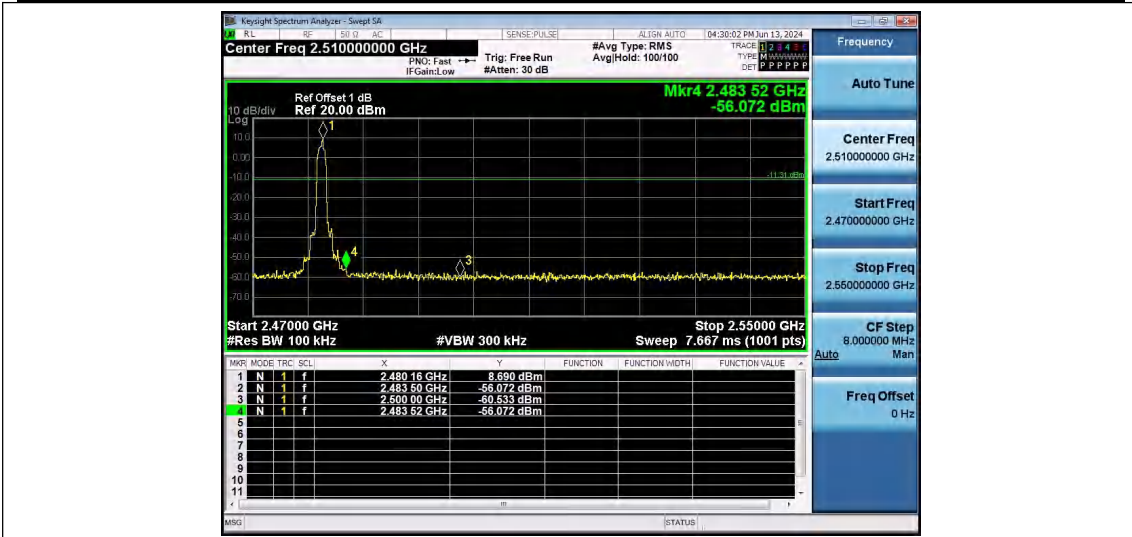


2DH5-Ant1-Hop_2480-PASS

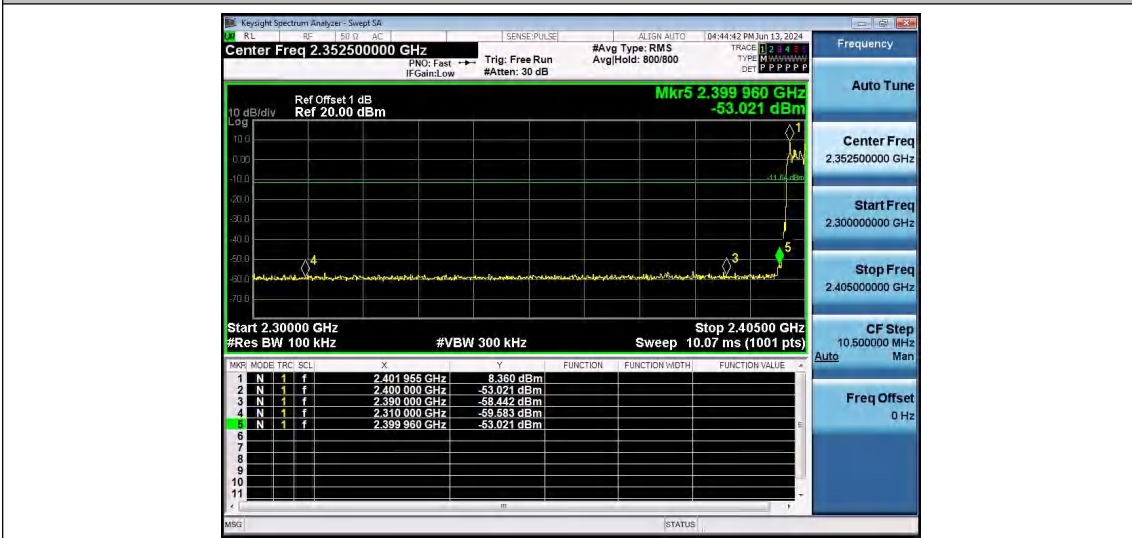


3DH5-Ant1-2402-PASS

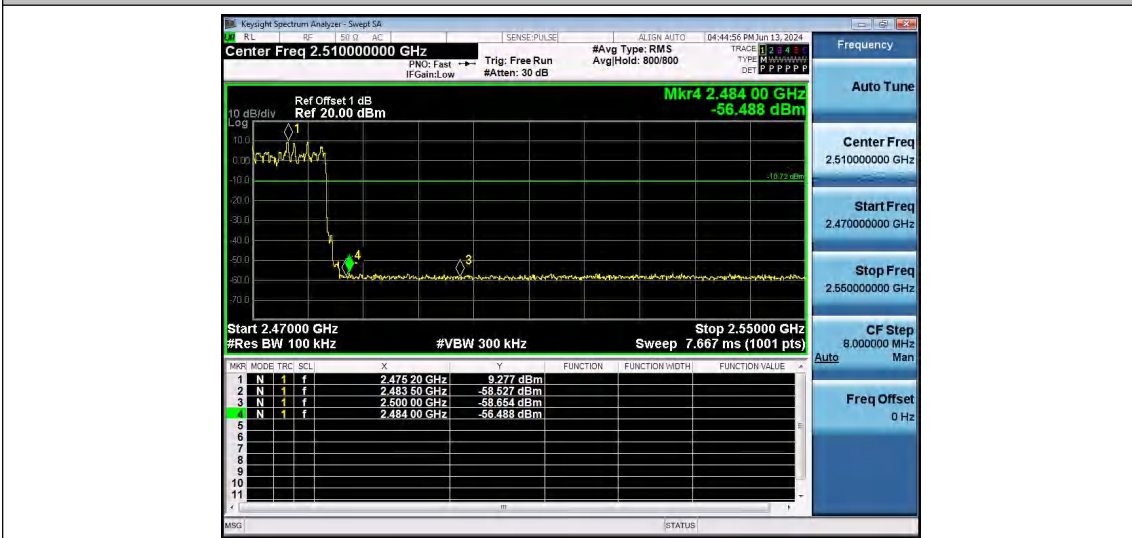




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



Appendix H: Conducted Spurious Emission

Test Result

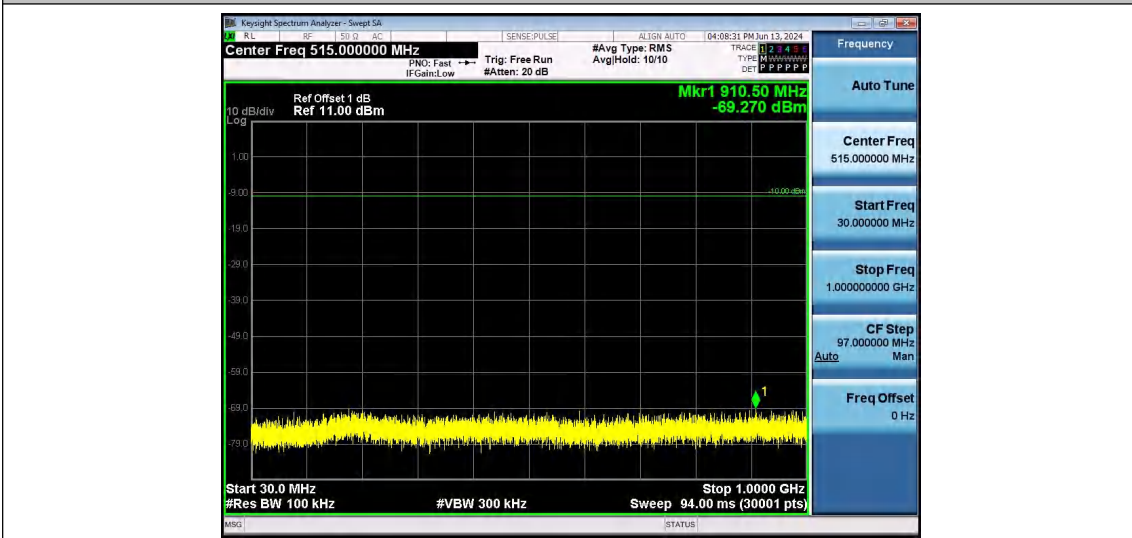
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5 | Ant1 | 2402 | 0~Reference | 10.00 | 10.00 | --- | PASS |
| DH5 | Ant1 | 2402 | 30~1000 | 10.00 | -69.27 | ≤-10 | PASS |
| DH5 | Ant1 | 2402 | 1000~26500 | 10.00 | -51.95 | ≤-10 | PASS |
| DH5 | Ant1 | 2441 | 0~Reference | 9.51 | 9.51 | --- | PASS |
| DH5 | Ant1 | 2441 | 30~1000 | 9.51 | -68.52 | ≤-10.49 | PASS |
| DH5 | Ant1 | 2441 | 1000~26500 | 9.51 | -50.60 | ≤-10.49 | PASS |
| DH5 | Ant1 | 2480 | 0~Reference | 9.18 | 9.18 | --- | PASS |
| DH5 | Ant1 | 2480 | 30~1000 | 9.18 | -68.78 | ≤-10.82 | PASS |
| DH5 | Ant1 | 2480 | 1000~26500 | 9.18 | -50.62 | ≤-10.82 | PASS |
| 2DH5 | Ant1 | 2402 | 0~Reference | 7.08 | 7.08 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 30~1000 | 7.08 | -68.80 | ≤-12.92 | PASS |
| 2DH5 | Ant1 | 2402 | 1000~26500 | 7.08 | -53.59 | ≤-12.92 | PASS |
| 2DH5 | Ant1 | 2441 | 0~Reference | 9.47 | 9.47 | --- | PASS |
| 2DH5 | Ant1 | 2441 | 30~1000 | 9.47 | -68.44 | ≤-10.53 | PASS |
| 2DH5 | Ant1 | 2441 | 1000~26500 | 9.47 | -53.15 | ≤-10.53 | PASS |
| 2DH5 | Ant1 | 2480 | 0~Reference | 9.06 | 9.06 | --- | PASS |
| 2DH5 | Ant1 | 2480 | 30~1000 | 9.06 | -68.92 | ≤-10.94 | PASS |
| 2DH5 | Ant1 | 2480 | 1000~26500 | 9.06 | -51.82 | ≤-10.94 | PASS |
| 3DH5 | Ant1 | 2402 | 0~Reference | 9.62 | 9.62 | --- | PASS |
| 3DH5 | Ant1 | 2402 | 30~1000 | 9.62 | -68.51 | ≤-10.38 | PASS |
| 3DH5 | Ant1 | 2402 | 1000~26500 | 9.62 | -54.06 | ≤-10.38 | PASS |
| 3DH5 | Ant1 | 2441 | 0~Reference | 9.38 | 9.38 | --- | PASS |
| 3DH5 | Ant1 | 2441 | 30~1000 | 9.38 | -69.07 | ≤-10.62 | PASS |
| 3DH5 | Ant1 | 2441 | 1000~26500 | 9.38 | -53.84 | ≤-10.62 | PASS |
| 3DH5 | Ant1 | 2480 | 0~Reference | 8.16 | 8.16 | --- | PASS |
| 3DH5 | Ant1 | 2480 | 30~1000 | 8.16 | -68.74 | ≤-11.84 | PASS |
| 3DH5 | Ant1 | 2480 | 1000~26500 | 8.16 | -52.04 | ≤-11.84 | PASS |



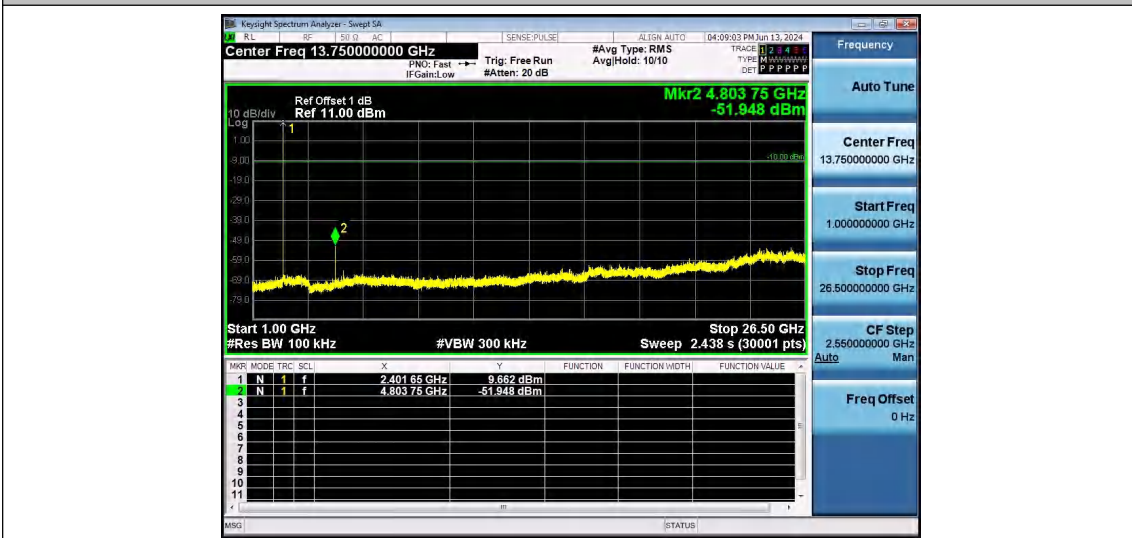
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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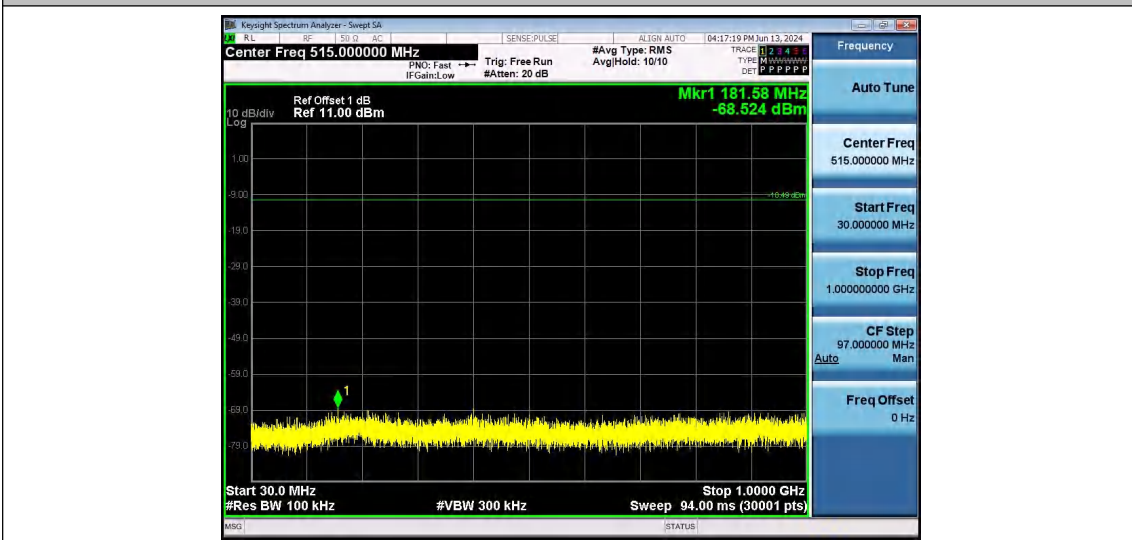
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com

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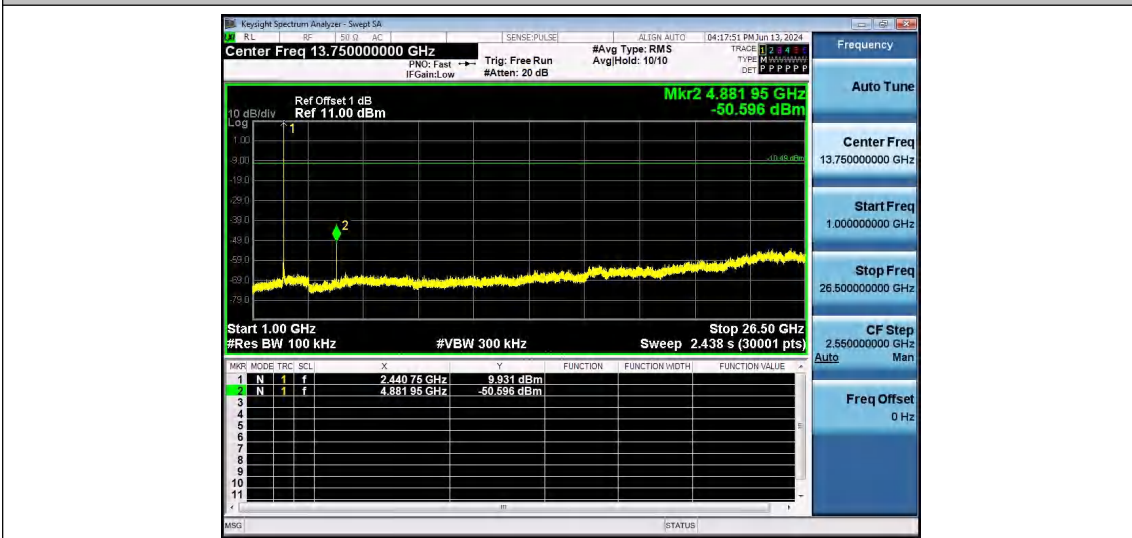




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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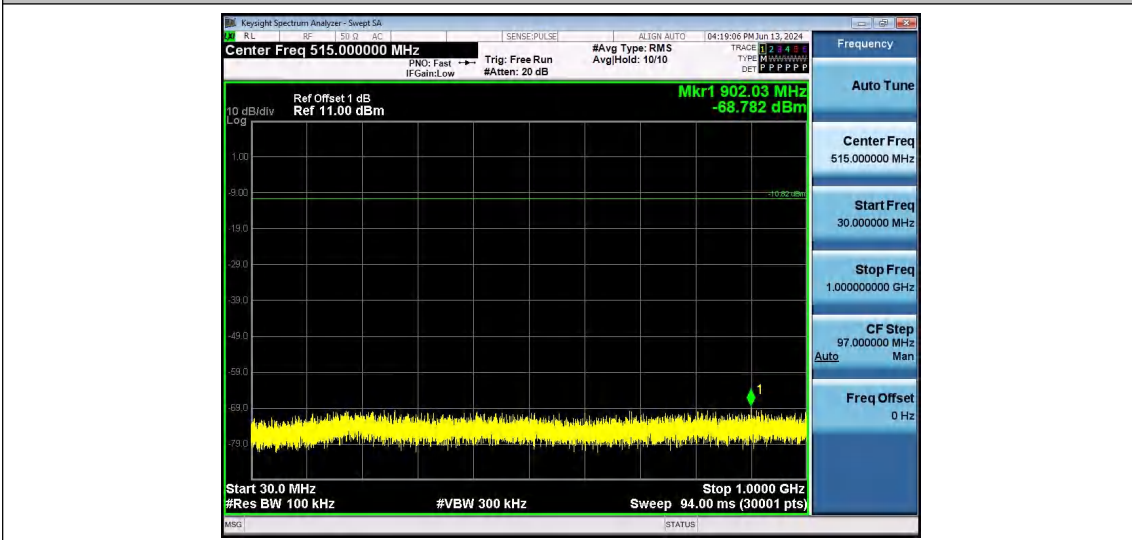
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com

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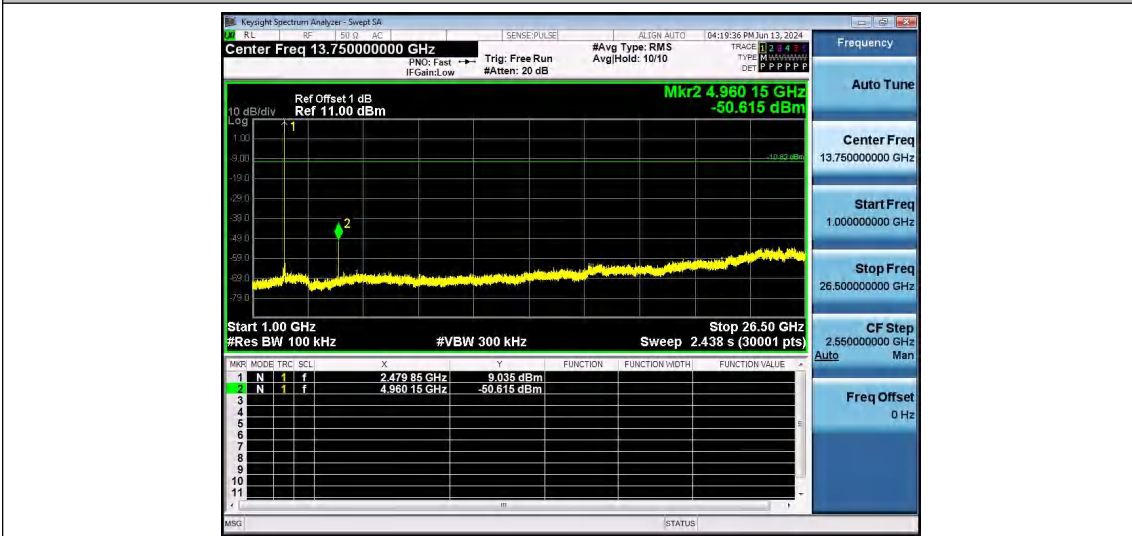




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

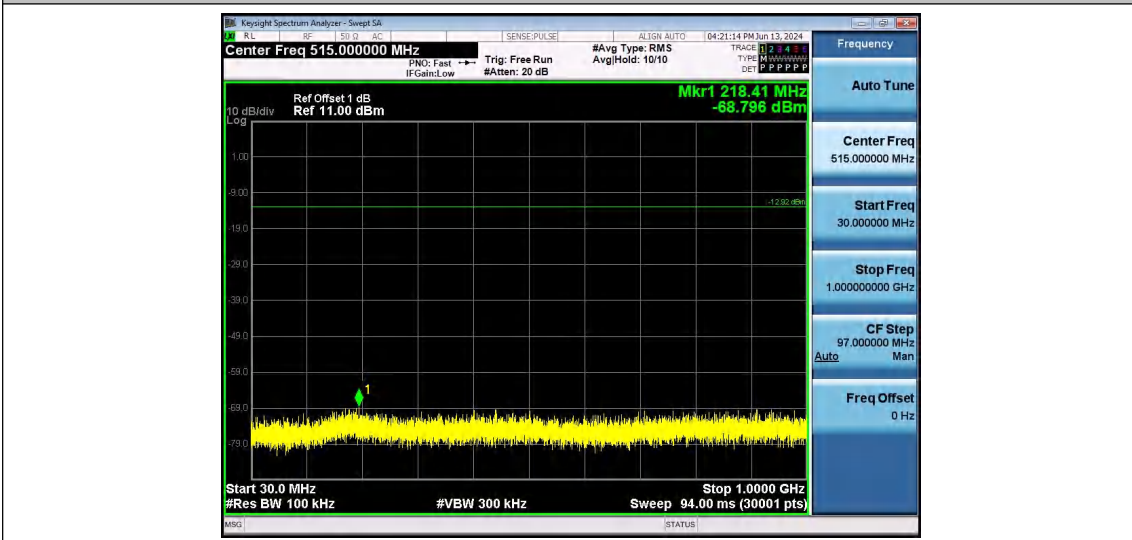


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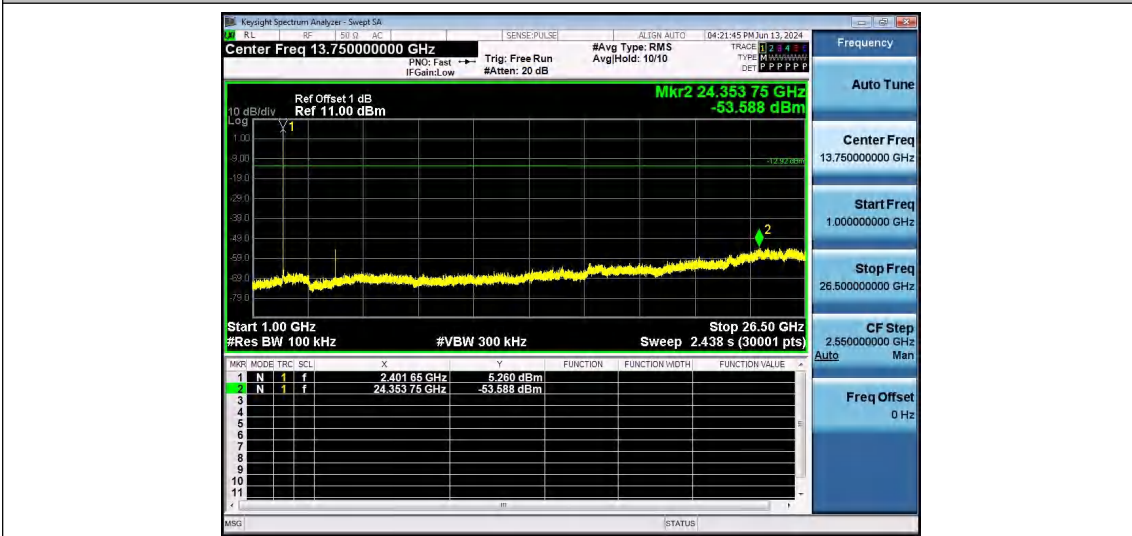




2DH5-Ant1-2402-0~Reference-PASS



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

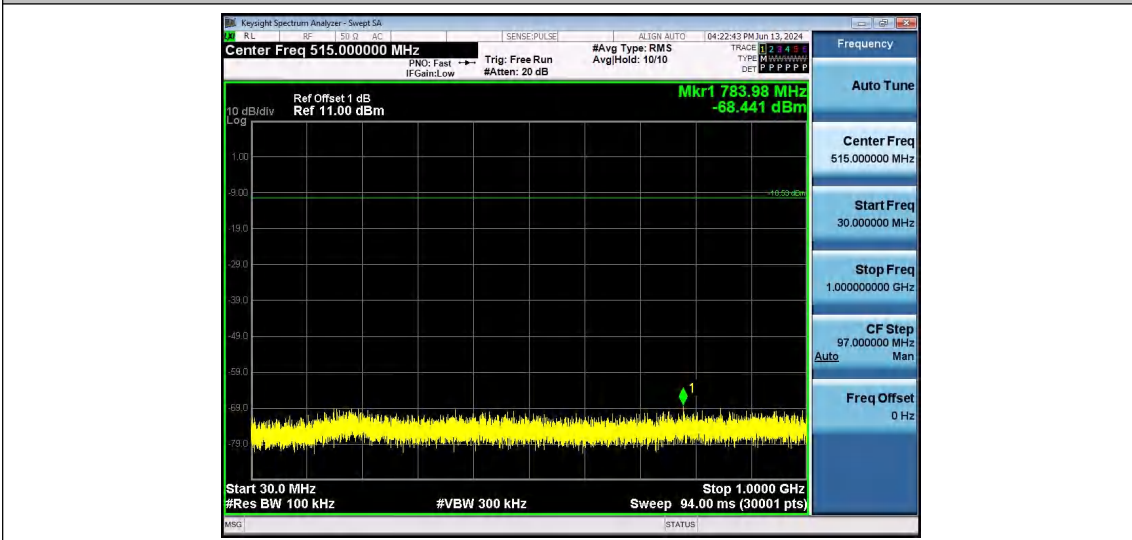


2DH5-Ant1-2402-1000~26500-PASS

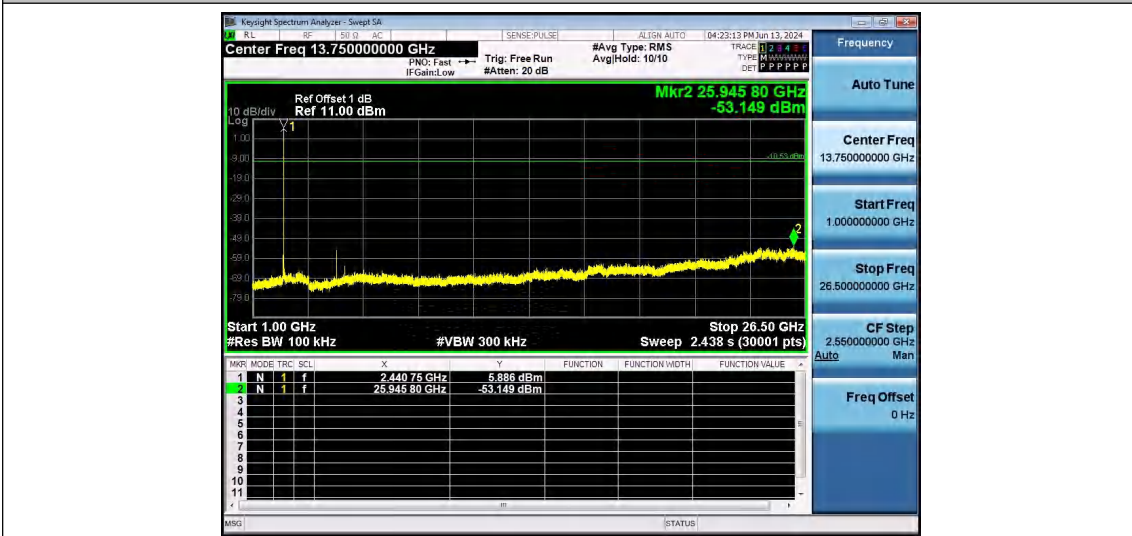




2DH5-Ant1-2441-0~Reference-PASS



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

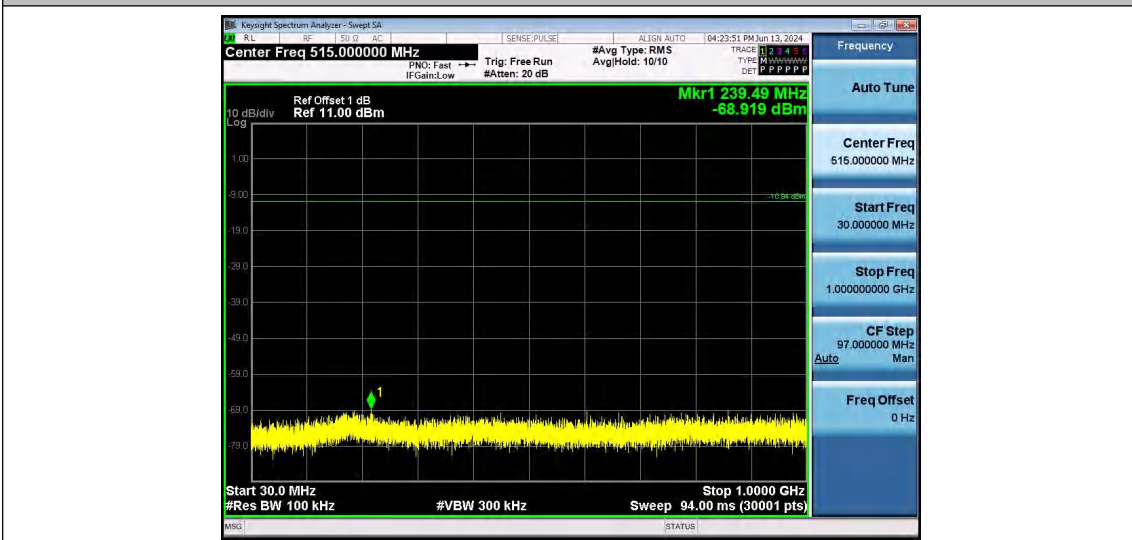


2DH5-Ant1-2441-1000~26500-PASS

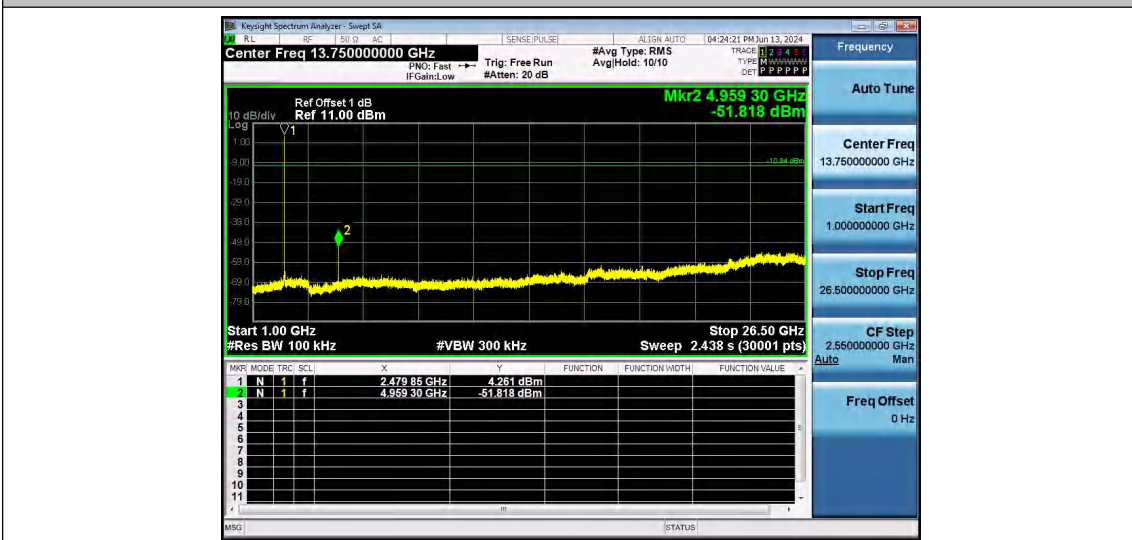




2DH5-Ant1-2480-0~Reference-PASS



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

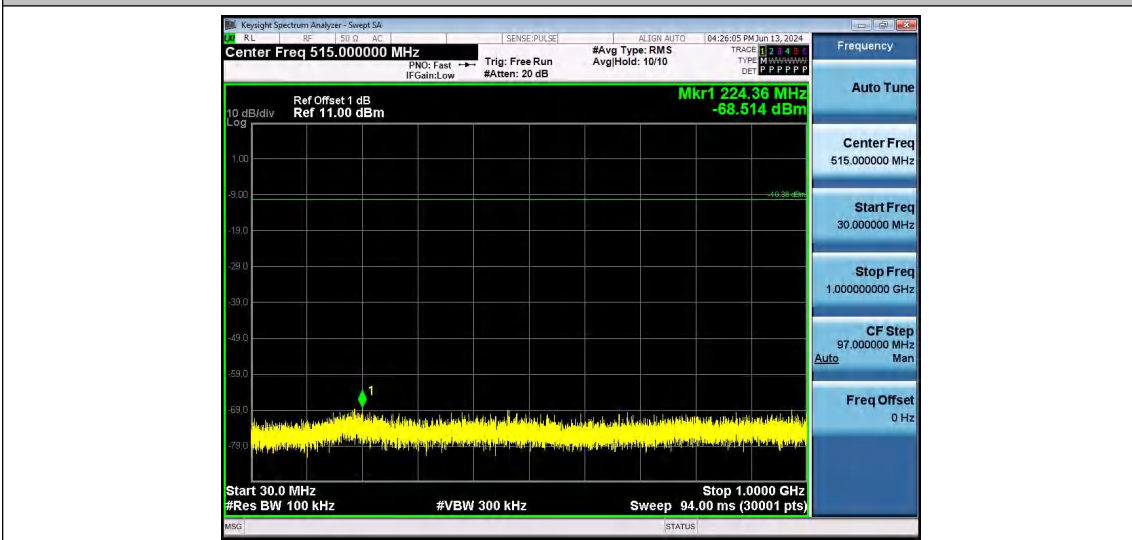


2DH5-Ant1-2480-1000~26500-PASS

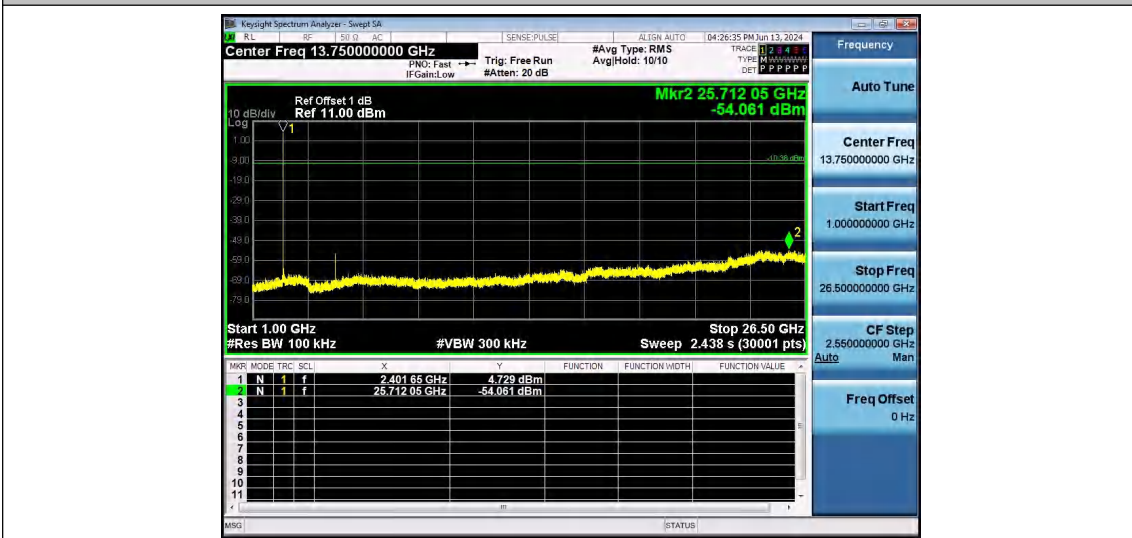




3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-PASS

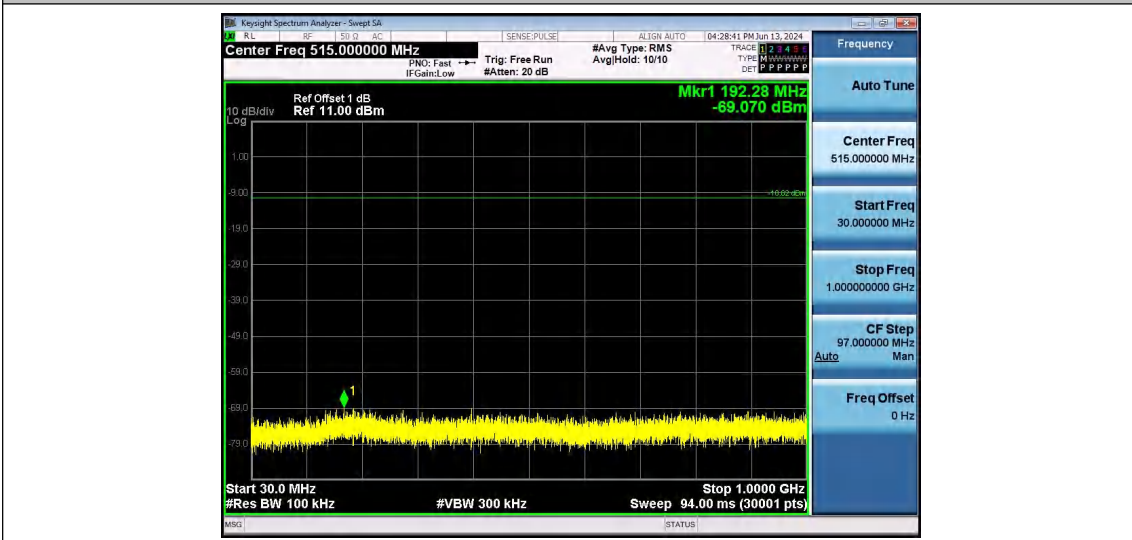


3DH5-Ant1-2402-1000~26500-PASS

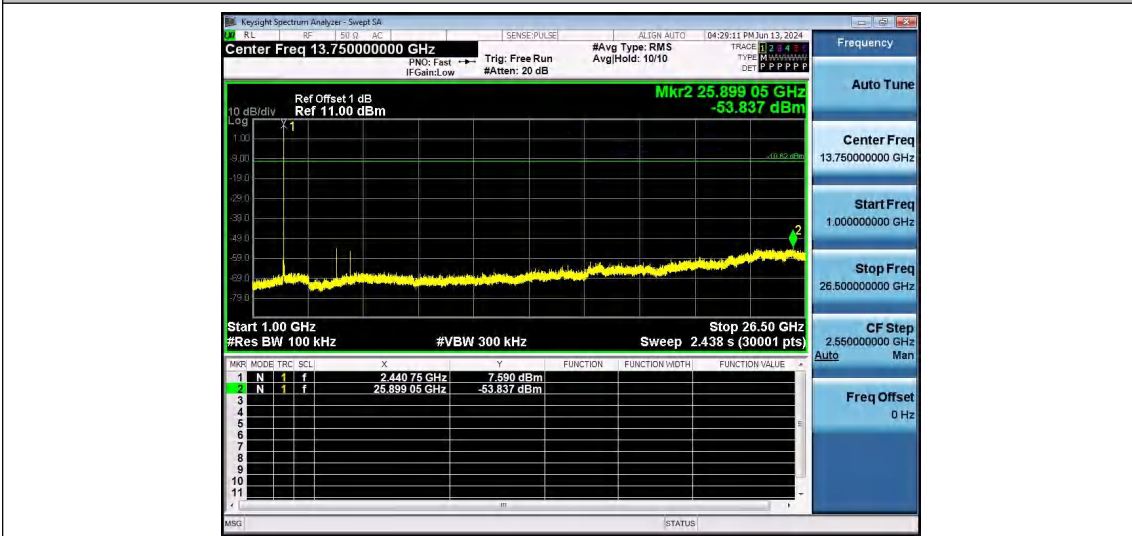




3DH5-Ant1-2441-0~Reference-PASS



3DH5-Ant1-2441-30~1000-PASS

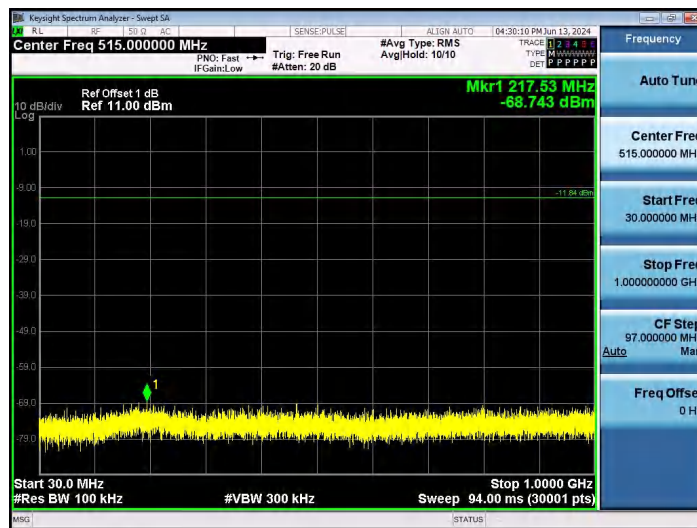


3DH5-Ant1-2441-1000~26500-PASS

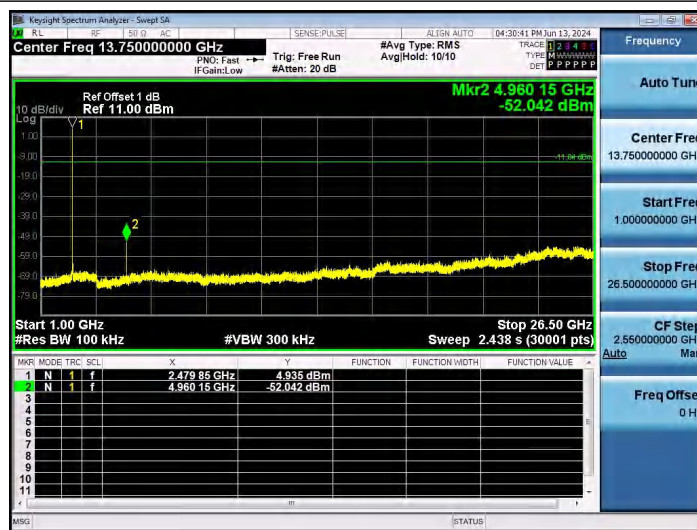




3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-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 | 2.88 | 3.75 | 76.80 | 1.15 |
| DH5 | Ant1 | 2441 | 2.89 | 3.75 | 77.07 | 1.13 |
| DH5 | Ant1 | 2480 | 2.88 | 3.75 | 76.80 | 1.15 |
| 2DH5 | Ant1 | 2402 | 2.88 | 3.75 | 76.80 | 1.15 |
| 2DH5 | Ant1 | 2441 | 2.88 | 3.75 | 76.80 | 1.15 |
| 2DH5 | Ant1 | 2480 | 2.89 | 3.75 | 77.07 | 1.13 |
| 3DH5 | Ant1 | 2402 | 2.88 | 3.75 | 76.80 | 1.15 |
| 3DH5 | Ant1 | 2441 | 2.88 | 3.75 | 76.80 | 1.15 |
| 3DH5 | Ant1 | 2480 | 2.89 | 3.75 | 77.07 | 1.13 |

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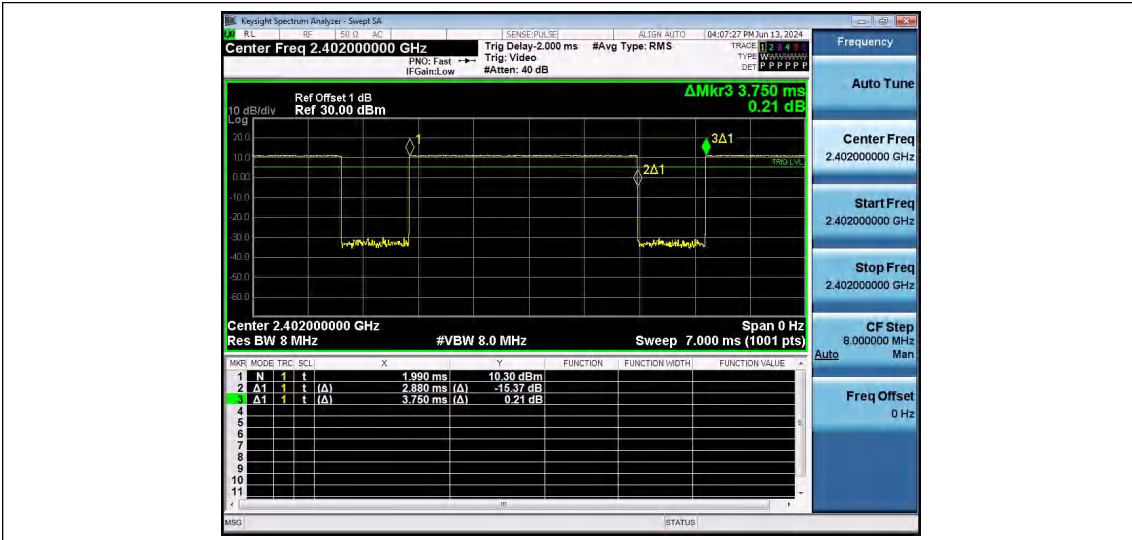
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com



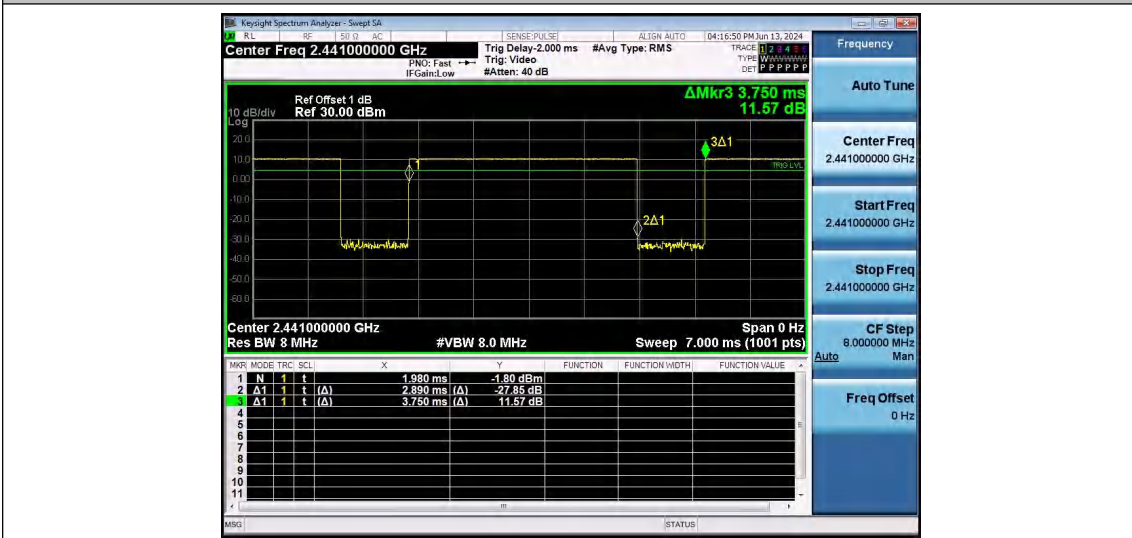
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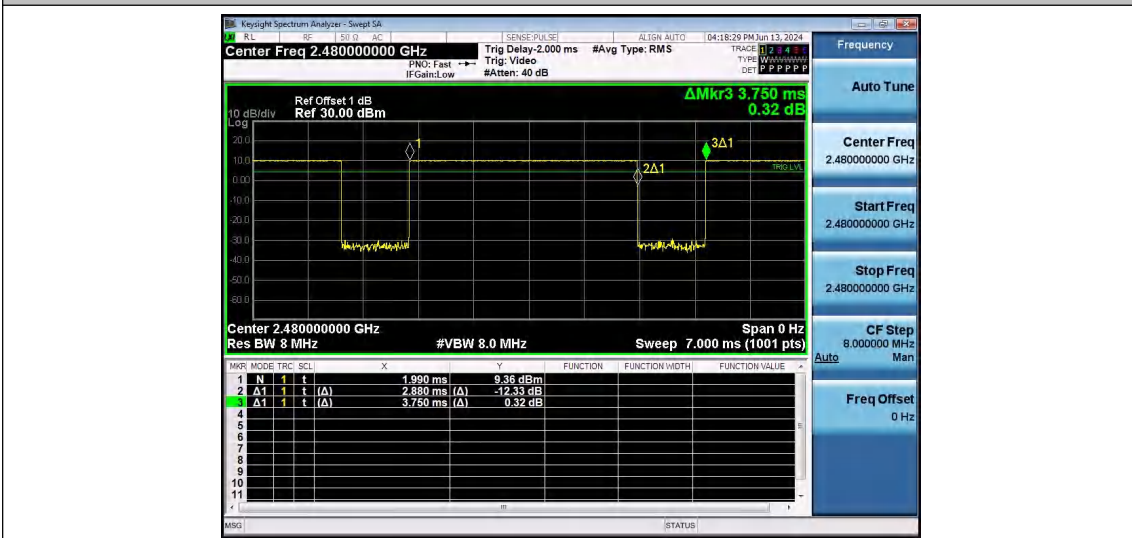
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



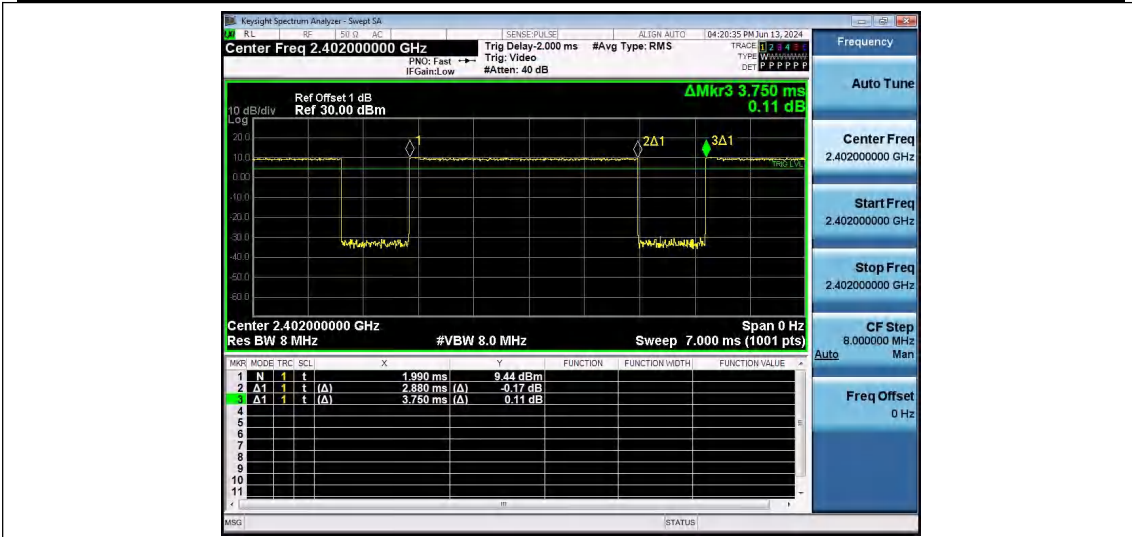
NTNV-DH5-Ant1-2480

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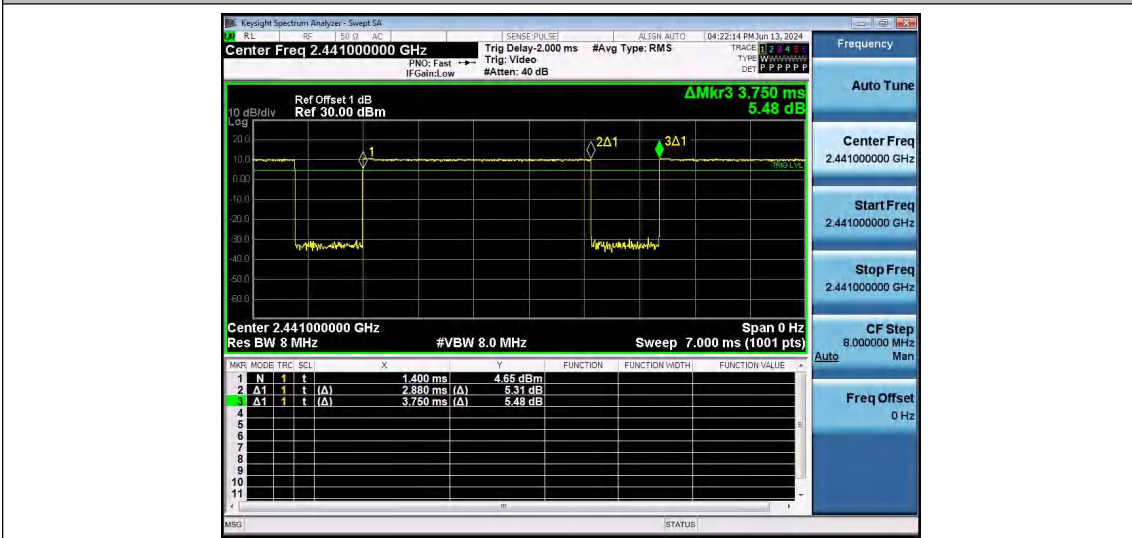
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com

Hotline 400-003-0500
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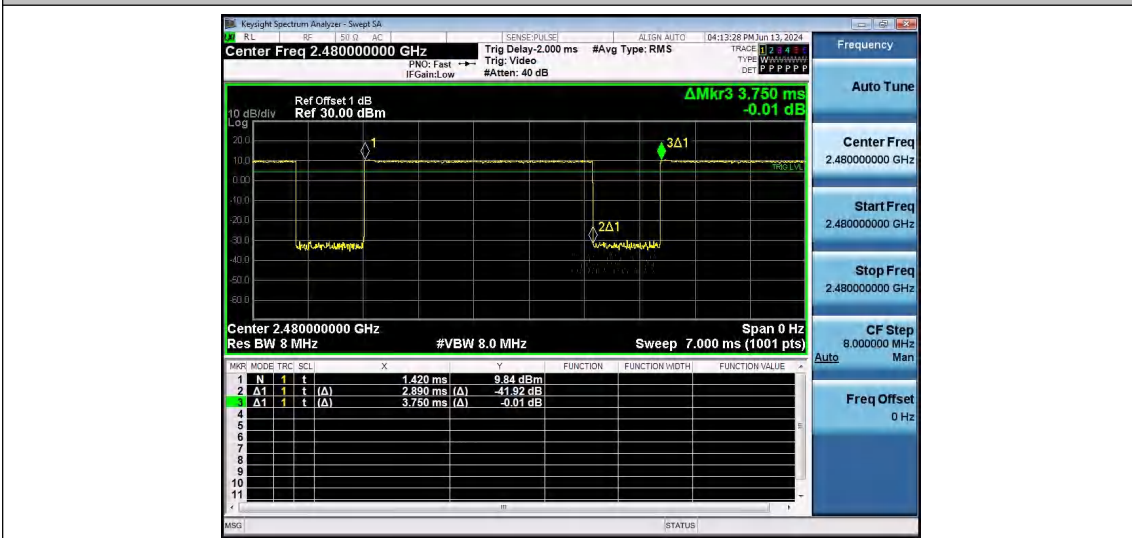




NTNV-2DH5-Ant1-2402

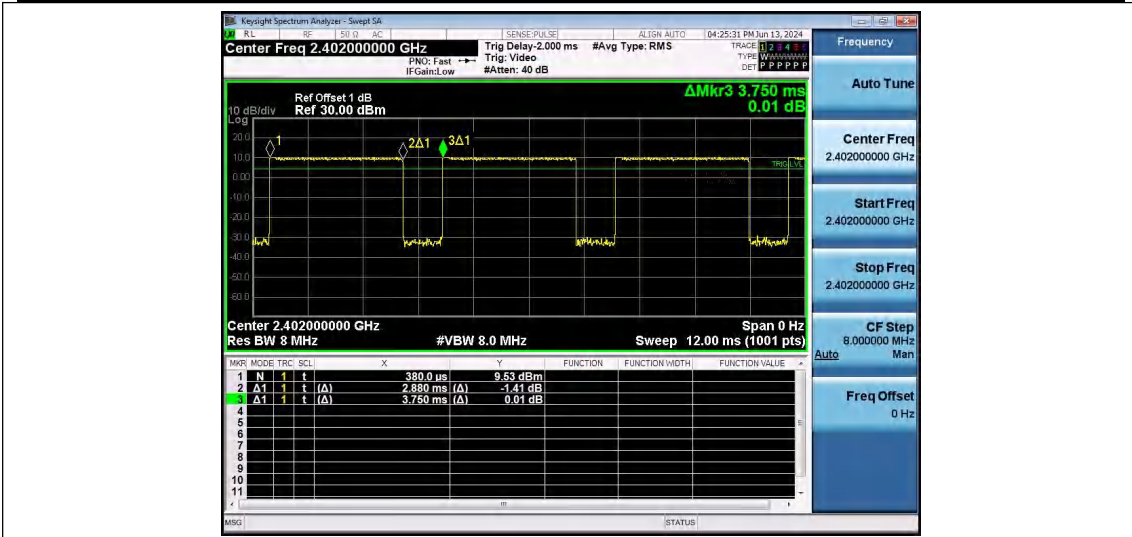


NTNV-2DH5-Ant1-2441

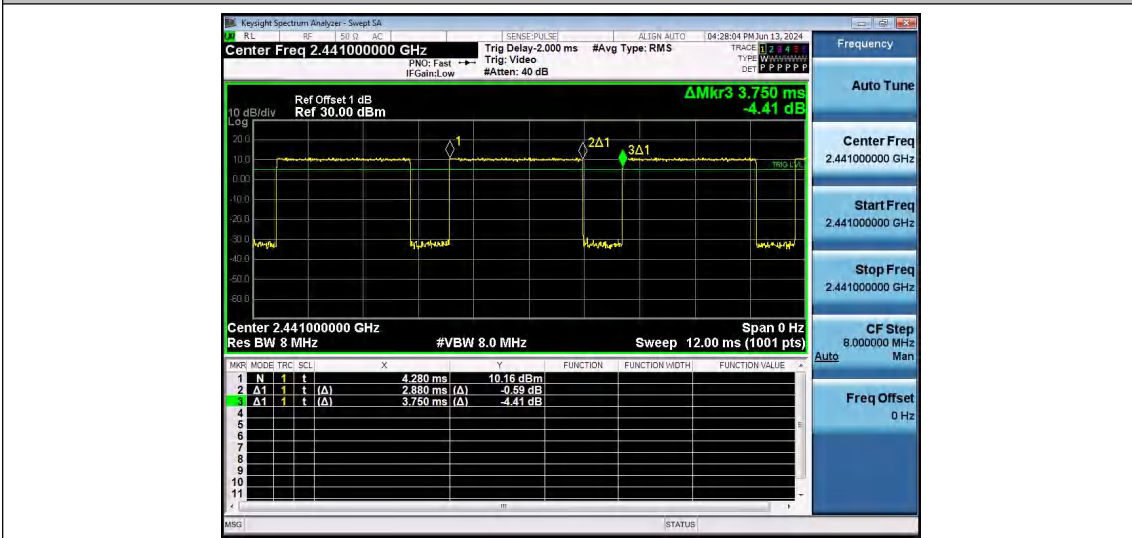


NTNV-2DH5-Ant1-2480

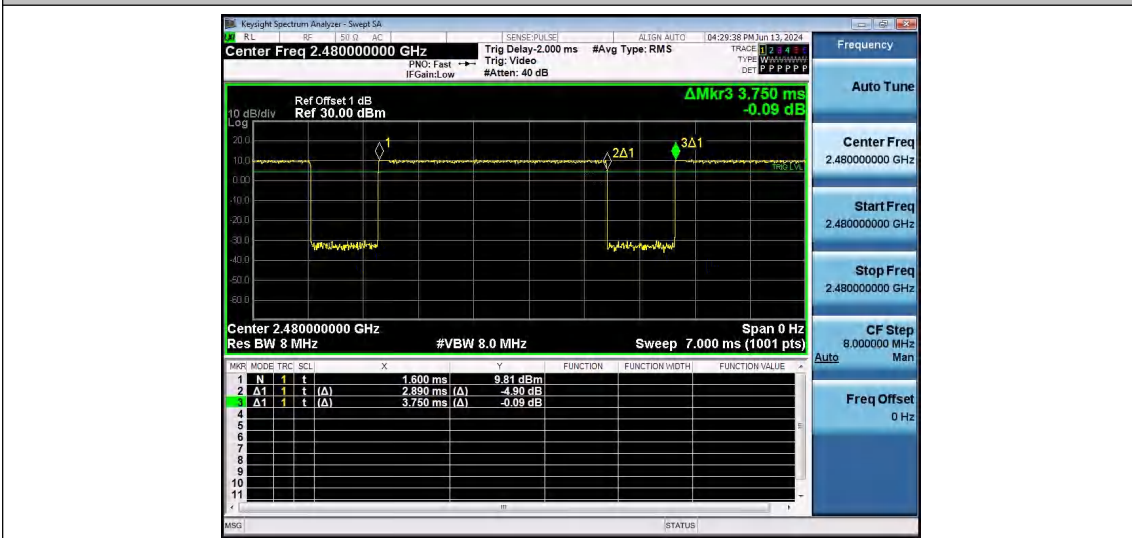




NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

---End---

